

INDEX OF PLANS

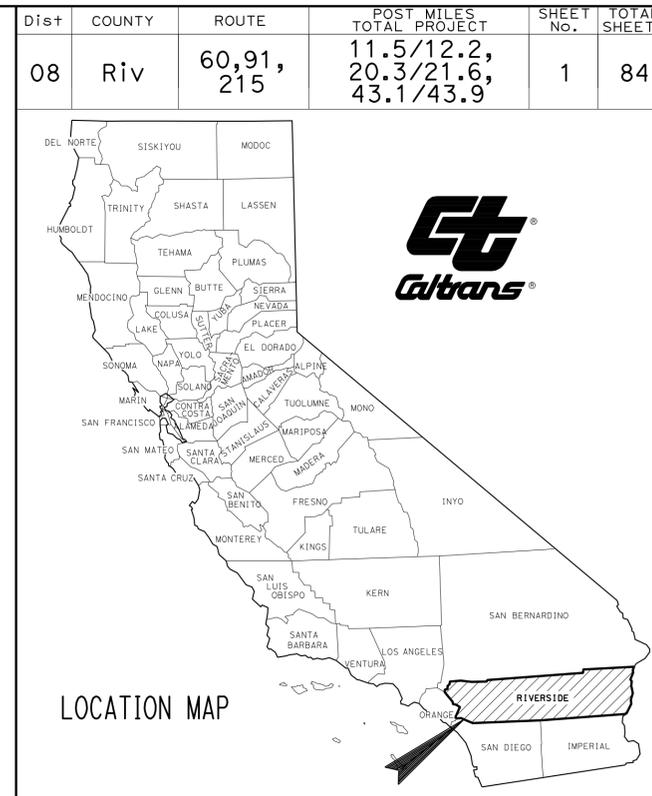
SHEET No.	DESCRIPTION
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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY
IN RIVERSIDE COUNTY
IN RIVERSIDE
ON ROUTE 215 FROM DOWN STREET OVERHEAD TO COLUMBIA AVENUE OVERCROSSING
ON ROUTE 60 FROM 0.2 MILE WEST OF MAIN STREET OVERCROSSING TO 215/60/91 SEPARATION
ON ROUTE 91 FROM 0.2 MILE SOUTH OF UNIVERSITY AVENUE UNDERCROSSING TO 215/60/91 SEPARATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



End Work (ROUTE 215)
Sta "1B" 47+70

END CONSTRUCTION
ROUTE 215 PM 43.9

Begin Work (ROUTE 60)
Sta "1C" 603+71

BEGIN CONSTRUCTION
ROUTE 215 PM 43.1

Begin Work (ROUTE 215)
Sta "2H1" 670+00

END WORK AND CONSTRUCTION
ROUTE 91
Sta "1A" 462+23 PM 21.6

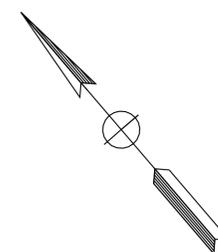
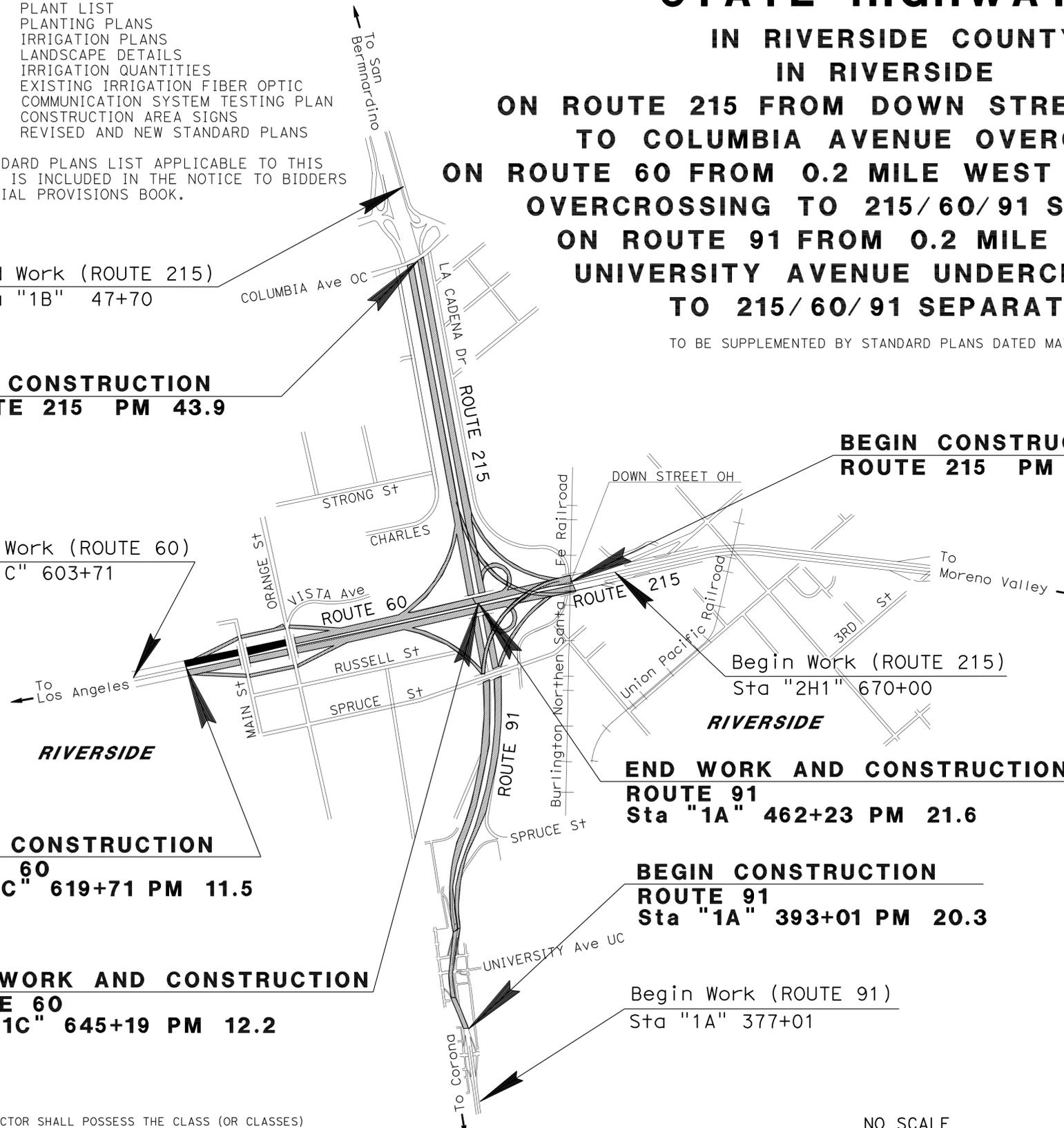
BEGIN CONSTRUCTION
ROUTE 60
Sta "1C" 619+71 PM 11.5

BEGIN CONSTRUCTION
ROUTE 91
Sta "1A" 393+01 PM 20.3

END WORK AND CONSTRUCTION
ROUTE 60
Sta "1C" 645+19 PM 12.2

Begin Work (ROUTE 91)
Sta "1A" 377+01

PROJECT MANAGER
JANE TIEN
SENIOR LANDSCAPE ARCHITECT
RAY DESSELLE



Ray Deselle
LICENSED LANDSCAPE ARCHITECT



May 10, 2010
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.	08-334864
PROJECT ID	0800000603

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

NO SCALE

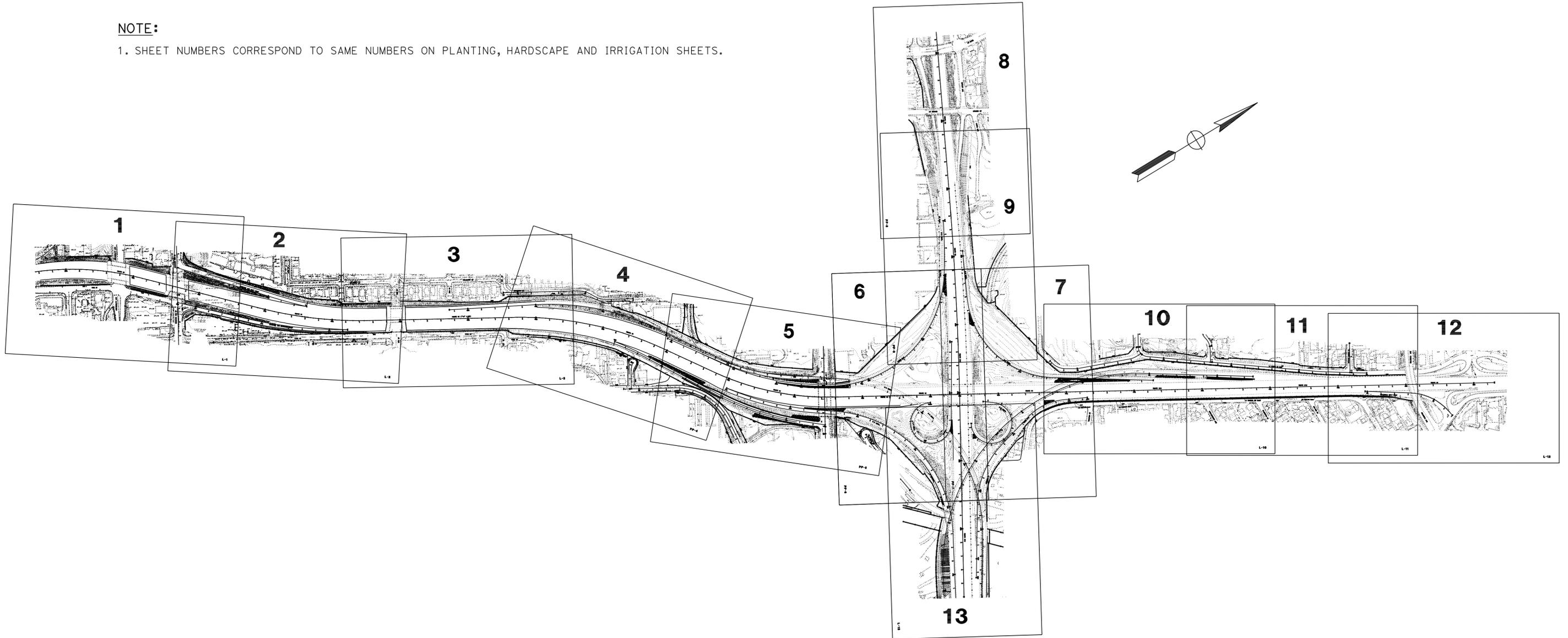
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	2	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

NOTE:

1. SHEET NUMBERS CORRESPOND TO SAME NUMBERS ON PLANTING, HARDSCAPE AND IRRIGATION SHEETS.

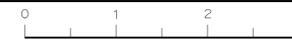


**KEY MAP
AND LINE INDEX**

NO SCALE

K-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	SYLVIA RIVAS	REVISED BY	
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	MICHAEL BABICH	DATE REVISED	



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE

CALCULATED/DESIGNED BY
 CHECKED BY

SYLVIA RIVAS
 MICHAEL BABICH

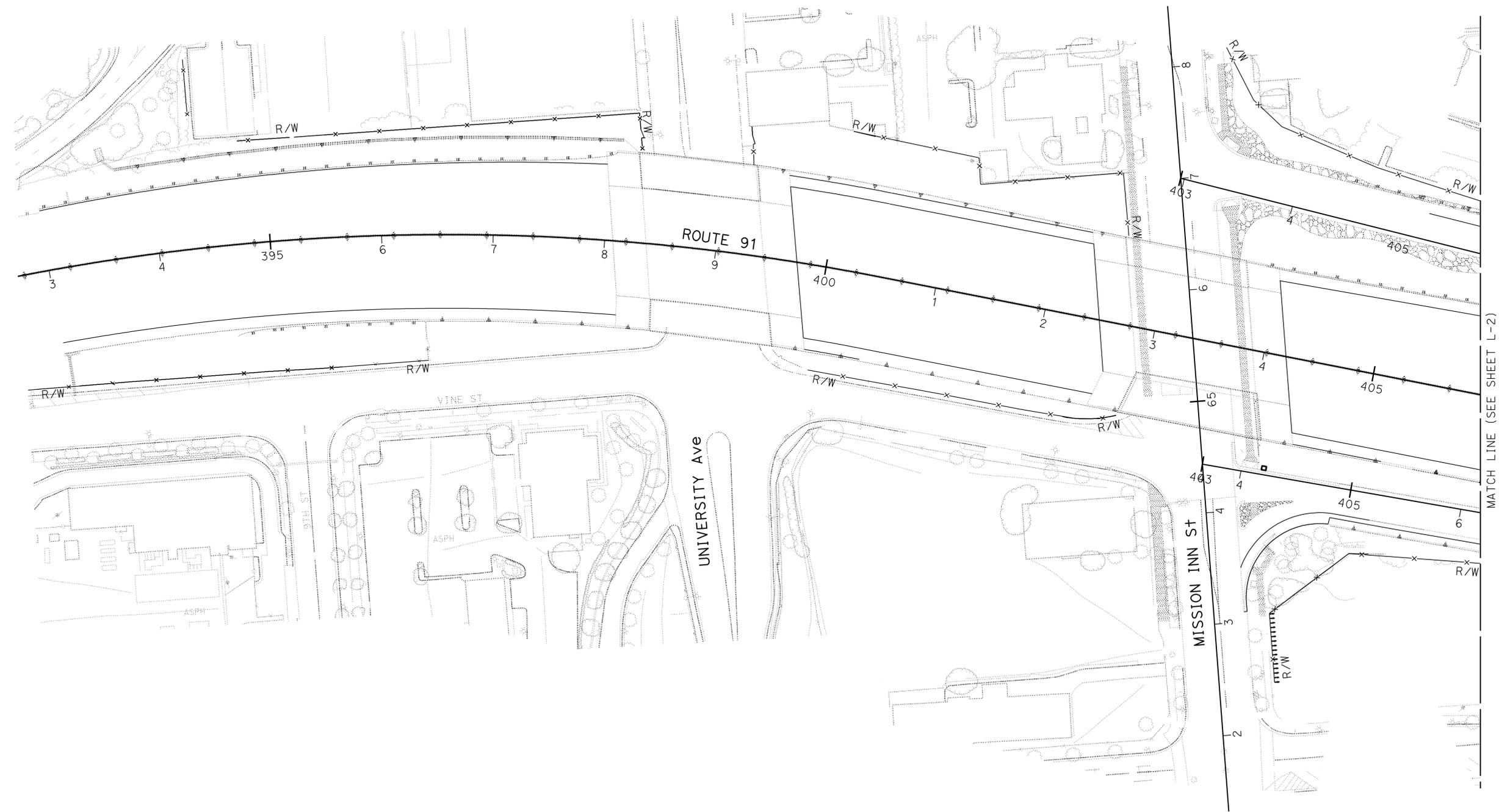
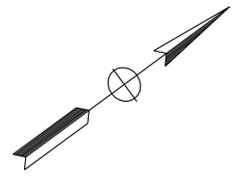
REVISED BY
 DATE REVISED

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

- LEGEND:**
- MINOR CONCRETE (CURB)
 - ▲▲ RETAINING WALL (TYPE 6B)
 - (G) GREY GREEN GRAVEL (MISCELLANEOUS AREAS)
 - (B) BURGUNDY GRAVEL (MISCELLANEOUS AREAS)
 - ROCK BLANKET
 - LIMIT LINE-GRAVEL (MISCELLANEOUS AREAS)
 - WITHIN THE FIRST 30' FROM THE EDGE OF PAVED SHOULDER SHALL BE 3/4" IN SIZE AT LOCATION SHOWN ON PLAN
 - EXISTING ROCK BLANKET

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	3	84

Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.
 Signature: *Ray I. Deselle*
 11/30/11
 Renewal Date: 04-08-10
 State of California



MATCH LINE (SEE SHEET L-2)

**LAYOUT
 HARDSCAPE PLAN**
 SCALE: 1" = 50' **L-1**

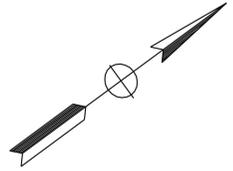
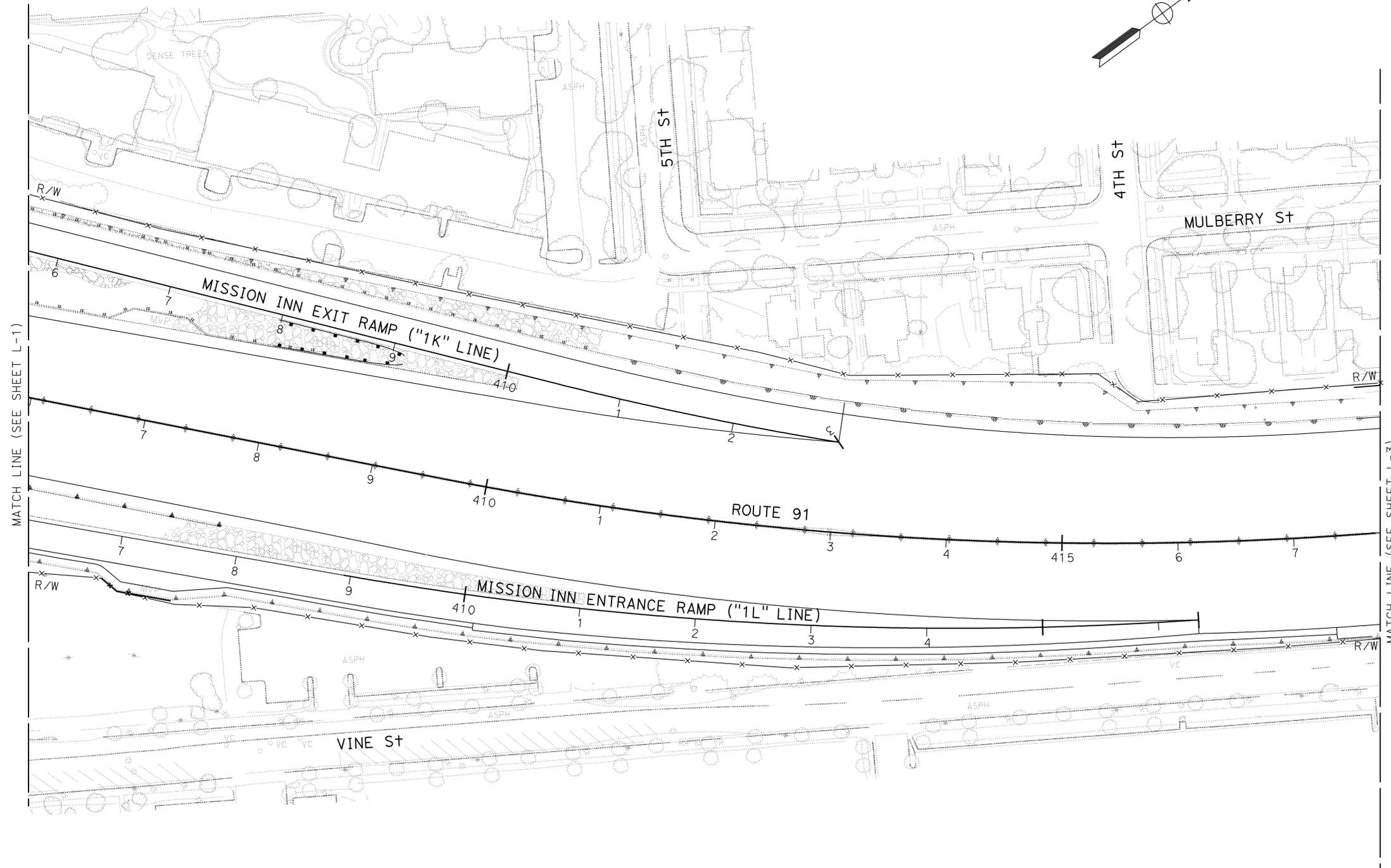
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	4	84

<i>Ray I. Deselle</i> LICENSED LANDSCAPE ARCHITECT	
5-10-10 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: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	SYLVIA RIVAS	
			MICHAEL BABICH	



**LAYOUT
HARDSCAPE PLAN**
SCALE: 1" = 50' **L-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE

CALCULATED/DESIGNED BY
 CHECKED BY

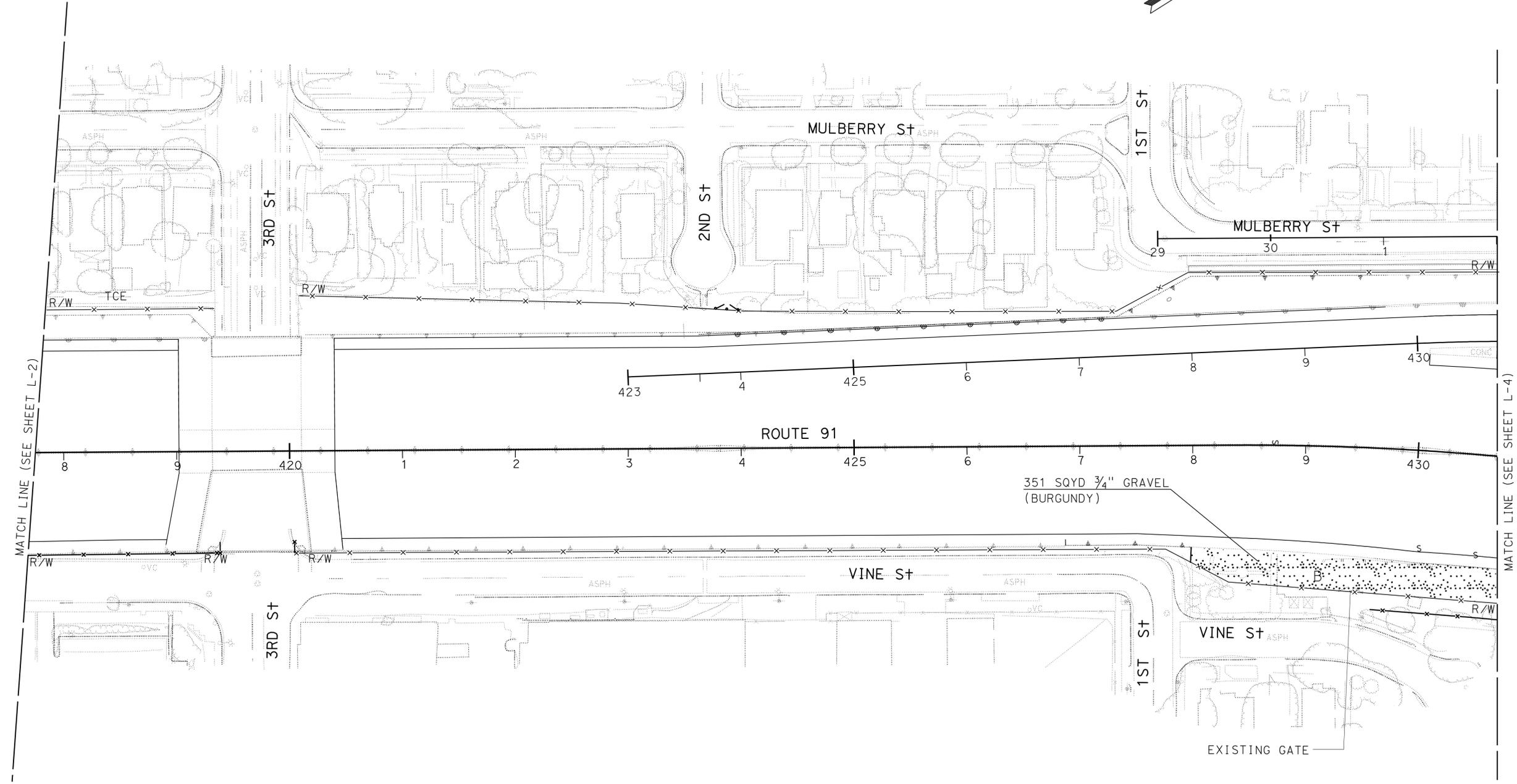
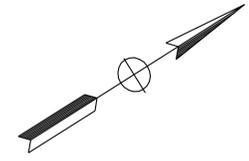
SYLVIA RIVAS
 MICHAEL BABICH

REVISED BY
 DATE REVISED

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	5	84

Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
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 LICENSED LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 Signature: *Ray I. Deselle*
 11/30/11
 Renewal Date: 04-08-10
 State of California

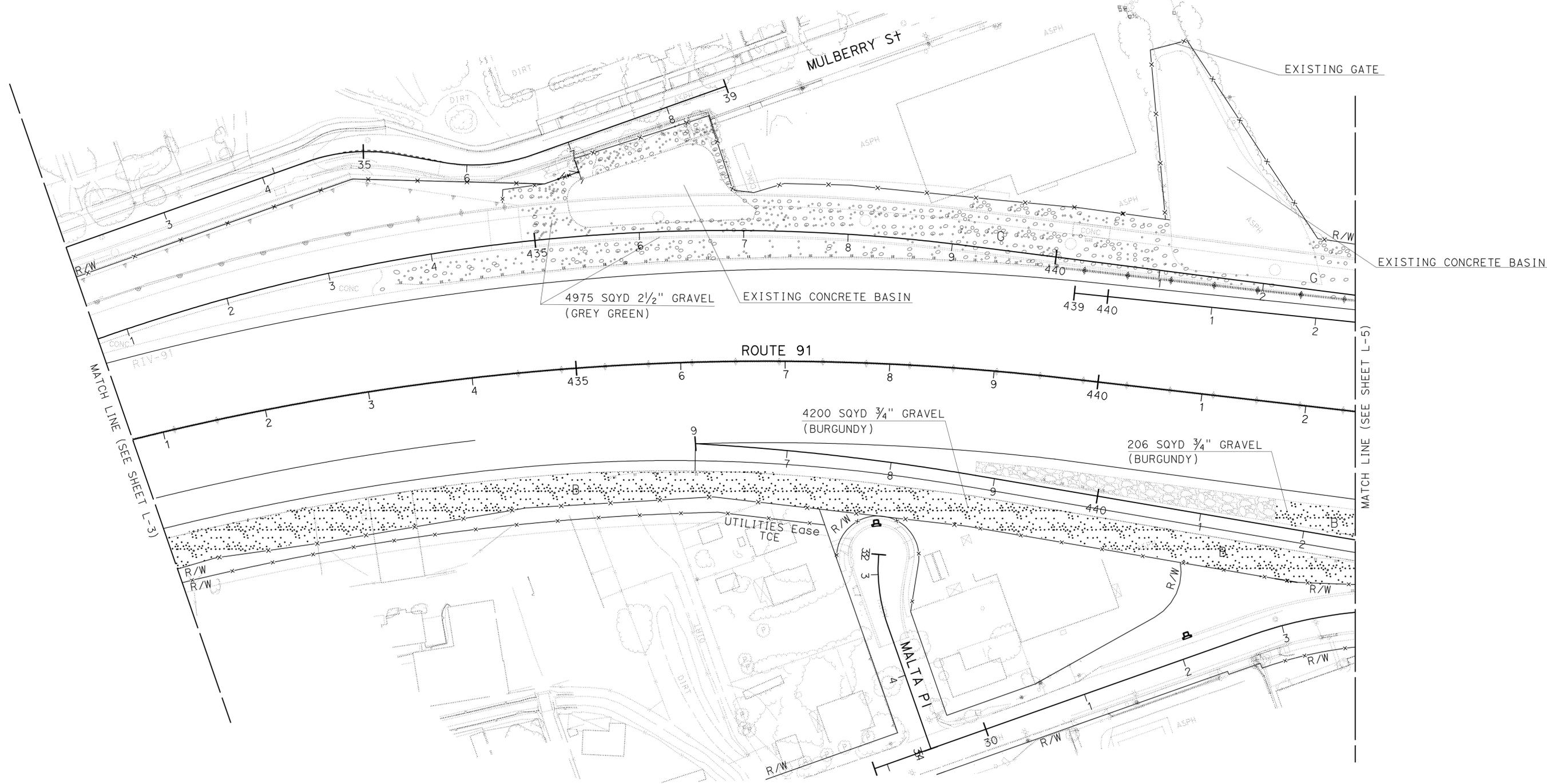
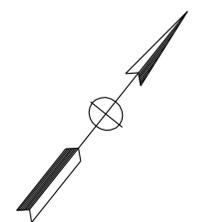


**LAYOUT
 HARDSCAPE PLAN**
 SCALE: 1" = 50' **L-3**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	6	84

LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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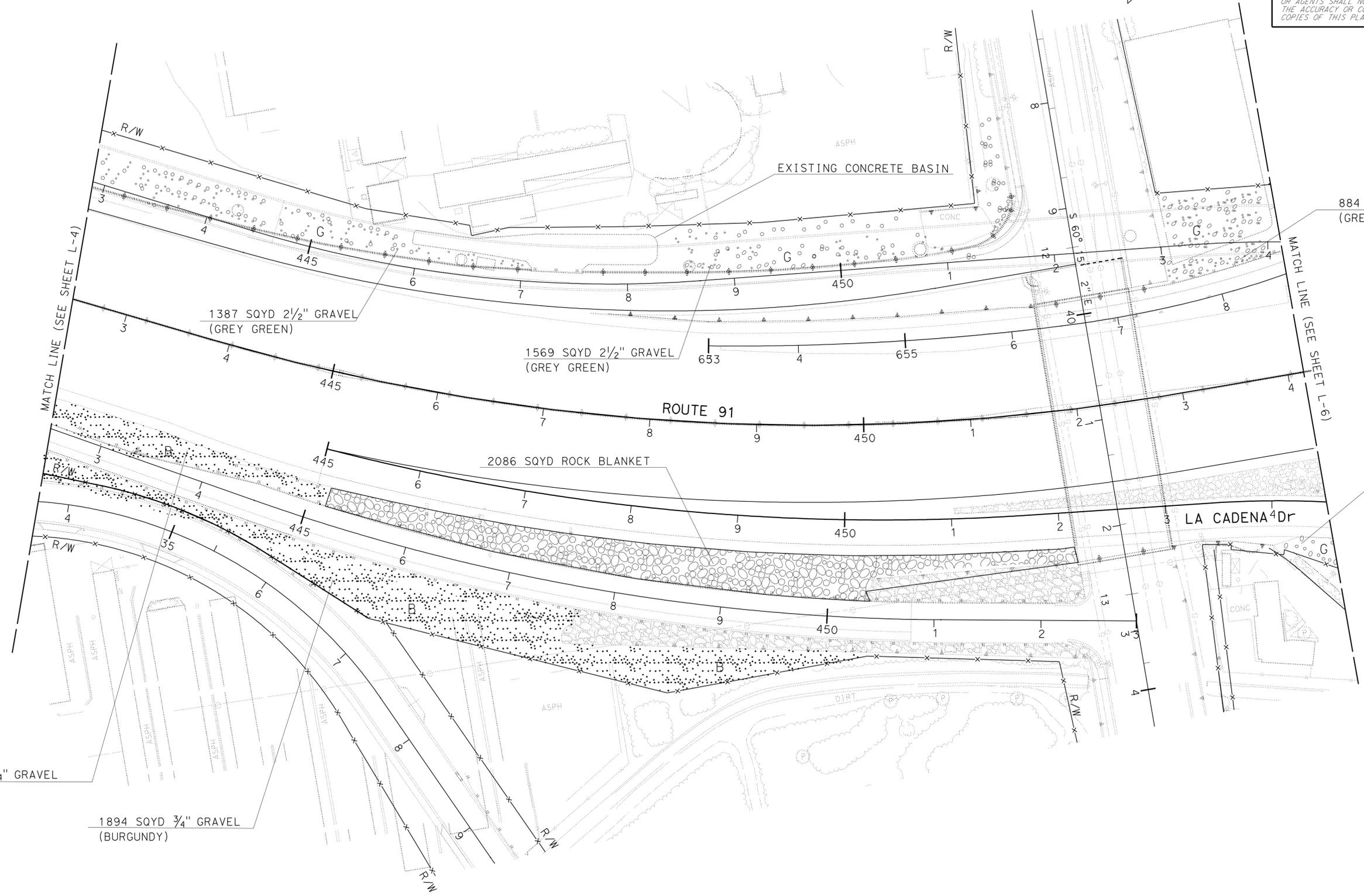
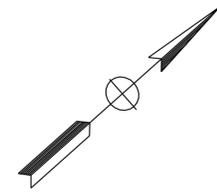
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT RAY I. DESSELLE
 CALCULATED/DESIGNED BY
 CHECKED BY
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY
 DATE REVISED

**LAYOUT
 HARDSCAPE PLAN**
 SCALE: 1" = 50' **L-4**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	7	84

Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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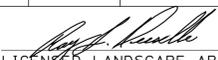


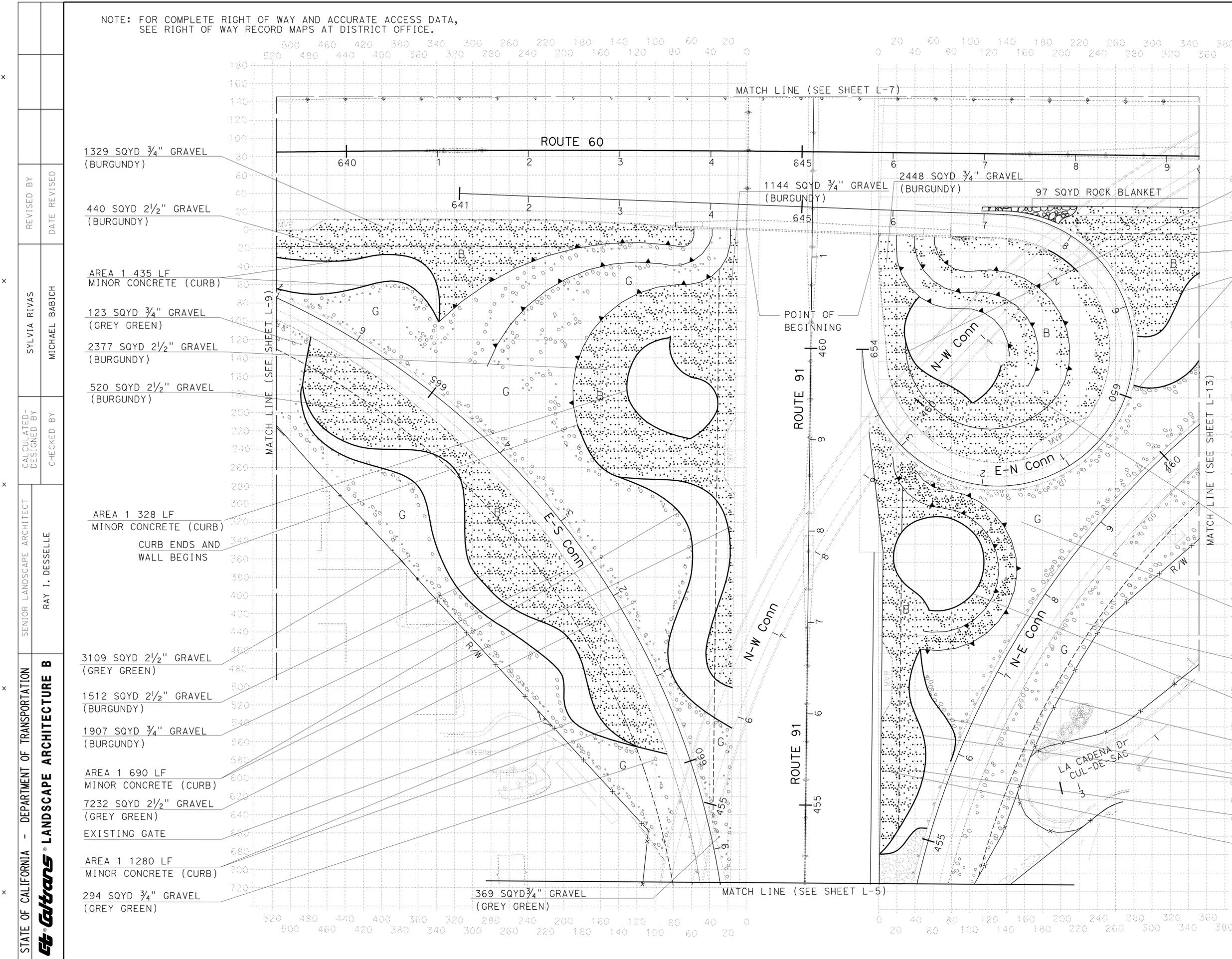
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT: RAY I. DESSELLE
 CALCULATED/DESIGNED BY: RAY I. DESSELLE
 CHECKED BY: MICHAEL BABITCH
 SYLVIA RIVAS
 MICHAEL BABITCH
 REVISED BY: DATE REVISED:

**LAYOUT
 HARDSCAPE PLAN**
 SCALE: 1" = 50' **L-5**

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	8	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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- 1329 SQYD 3/4" GRAVEL (BURGUNDY)
- 440 SQYD 2 1/2" GRAVEL (BURGUNDY)
- AREA 1 435 LF MINOR CONCRETE (CURB)
- 123 SQYD 3/4" GRAVEL (GREY GREEN)
- 2377 SQYD 2 1/2" GRAVEL (BURGUNDY)
- 520 SQYD 2 1/2" GRAVEL (BURGUNDY)
- AREA 1 328 LF MINOR CONCRETE (CURB)
- CURB ENDS AND WALL BEGINS
- 3109 SQYD 2 1/2" GRAVEL (GREY GREEN)
- 1512 SQYD 2 1/2" GRAVEL (BURGUNDY)
- 1907 SQYD 3/4" GRAVEL (BURGUNDY)
- AREA 1 690 LF MINOR CONCRETE (CURB)
- 7232 SQYD 2 1/2" GRAVEL (GREY GREEN)
- EXISTING GATE
- AREA 1 1280 LF MINOR CONCRETE (CURB)
- 294 SQYD 3/4" GRAVEL (GREY GREEN)

- AREA 2 210 LF MINOR CONCRETE (CURB)
- 351 SQYD 3/4" GRAVEL (BURGUNDY)
- 876 SQYD 2 1/2" GRAVEL (BURGUNDY)
- AREA 2 190 LF MINOR CONCRETE (CURB)

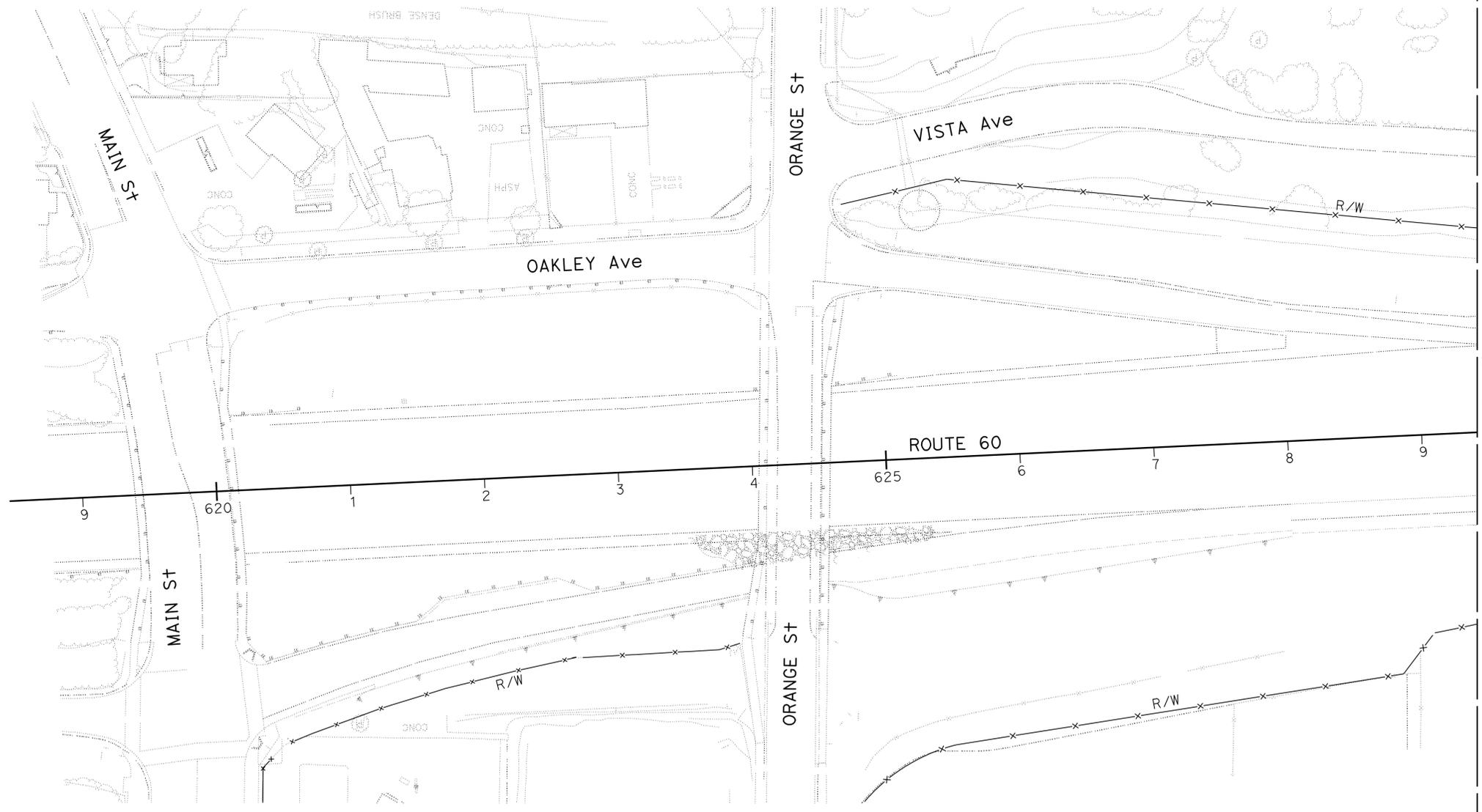
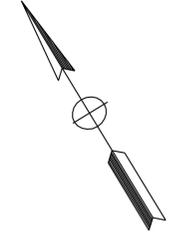
- 1699 SQYD 2 1/2" GRAVEL (BURGUNDY)
- 3315 SQYD 2 1/2" GRAVEL (GREY GREEN)
- 1631 SQYD 3/4" GRAVEL (GREY GREEN)
- AREA 2 316 LF MINOR CONCRETE (CURB)
- 920 SQYD 2 1/2" GRAVEL (GREY GREEN)
- AREA 2 440 LF MINOR CONCRETE (CURB)
- 921 SQYD 2 1/2" GRAVEL (BURGUNDY)
- 1173 SQYD 3/4" GRAVEL (BURGUNDY)

LAYOUT HARDSCAPE PLAN
 SCALE: 1" = 50' **L-6**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	10	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	SYLVIA RIVAS	REVISED BY	
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	MICHAEL BABICH	DATE REVISED	

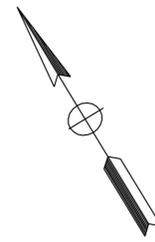
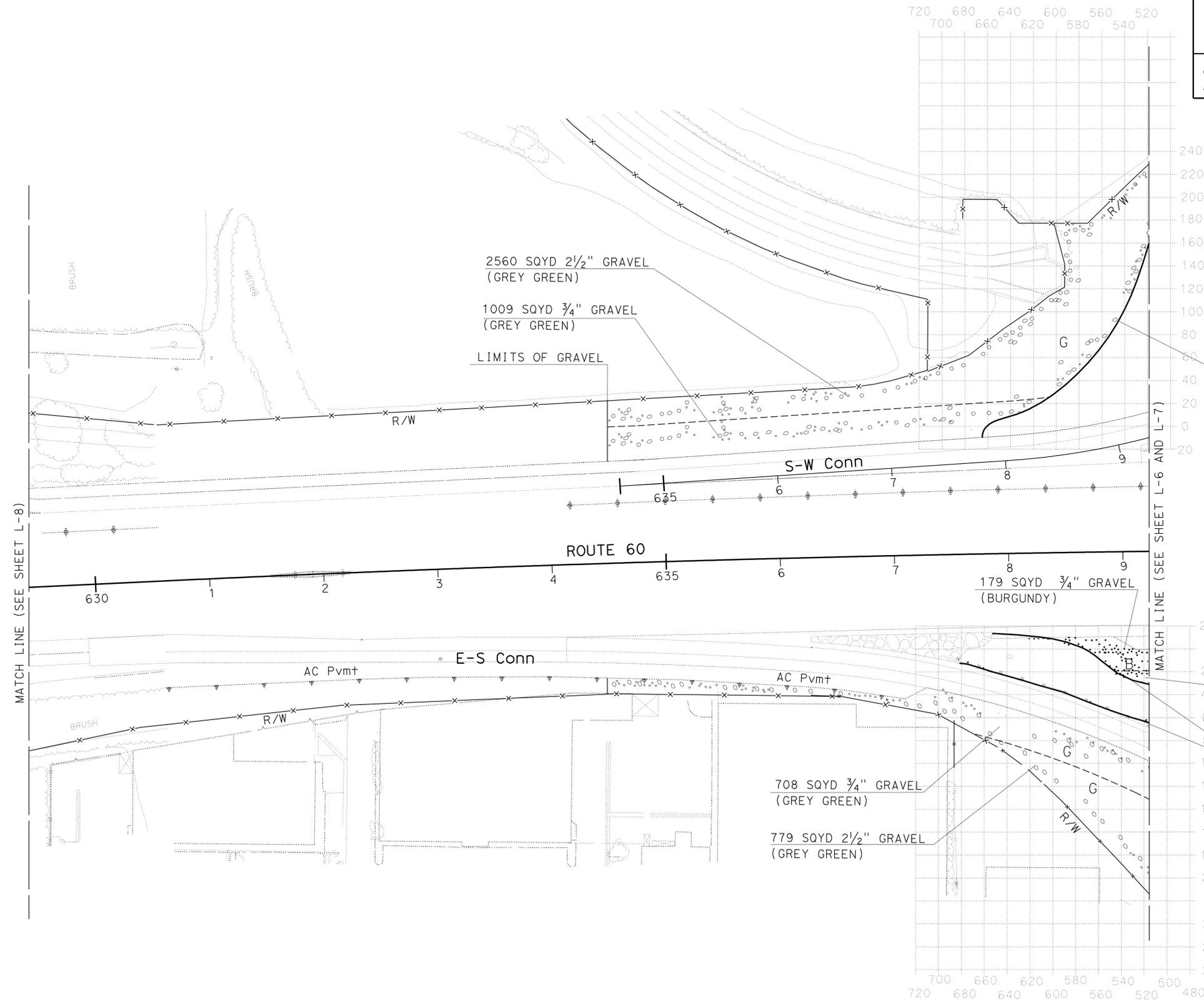
**LAYOUT
HARDSCAPE PLAN**
SCALE: 1" = 50' **L-8**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	11	84

<i>Ray I. Deselle</i>	
LICENSED LANDSCAPE ARCHITECT	
5-10-10	PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	DESIGNED BY	REVISOR
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	DATE



AREA 3 235 LF MINOR CONCRETE (CURB)

72 SQYD 2 1/2" GRAVEL (BURGUNDY)

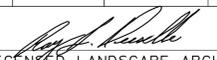
AREA 1 325 LF MINOR CONCRETE (CURB)

LAYOUT HARDSCAPE PLAN

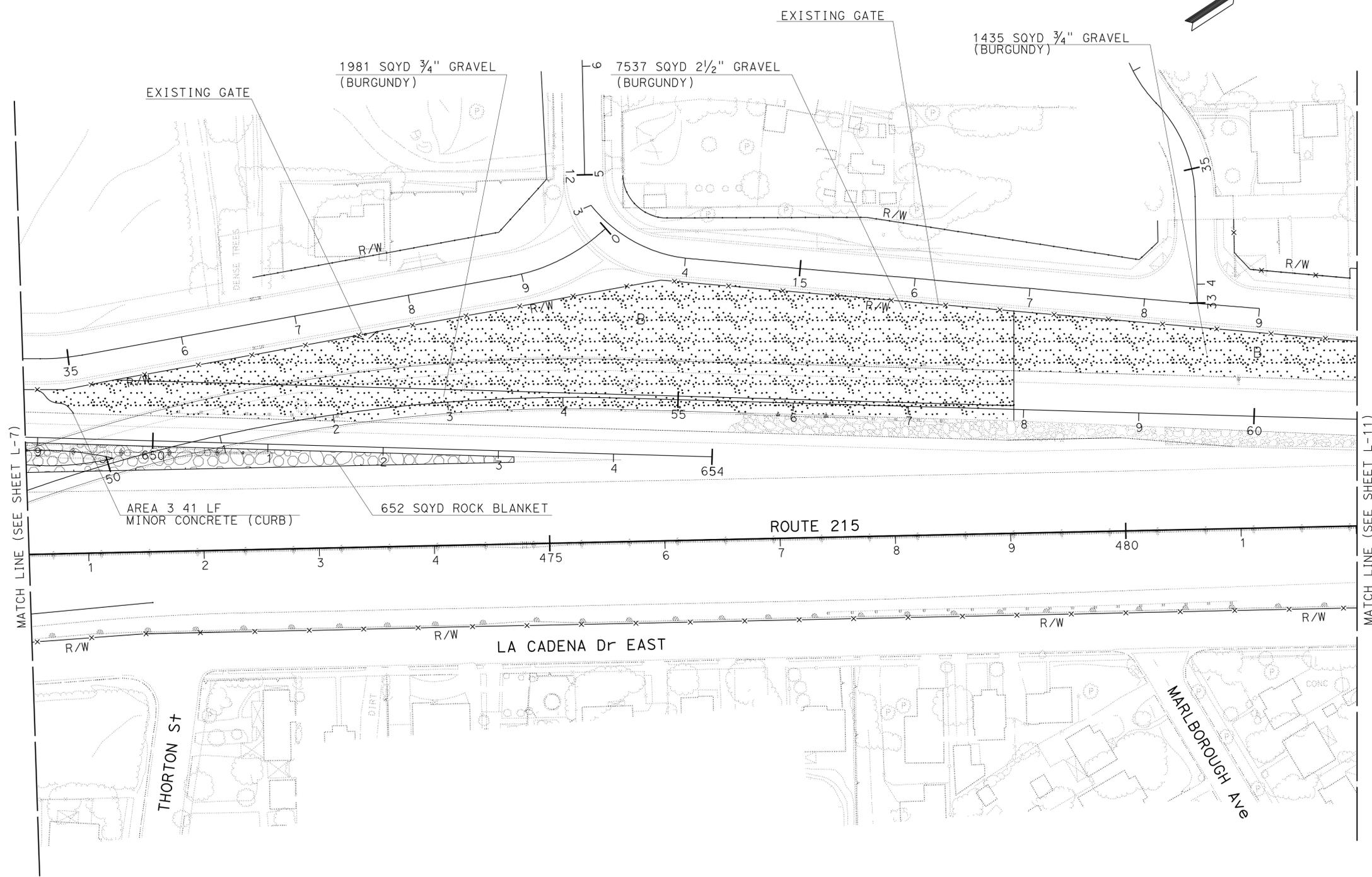
SCALE: 1" = 50' **L-9**

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 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE


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MATCH LINE (SEE SHEET L-7)

MATCH LINE (SEE SHEET L-11)

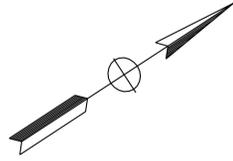
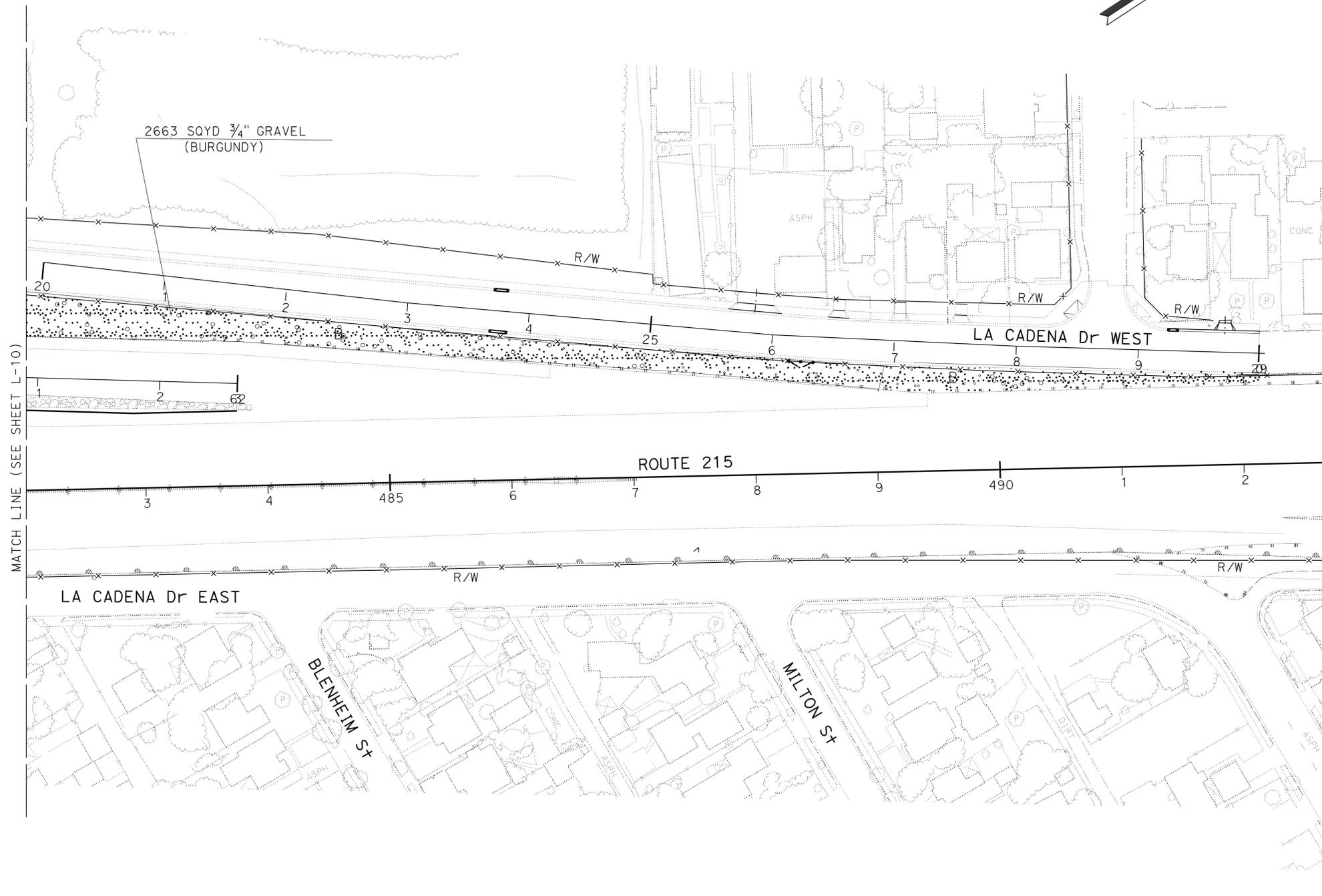
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 CALCULATED/DESIGNED BY
 CHECKED BY
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY
 DATE REVISED

**LAYOUT
HARDSCAPE PLAN**
 SCALE: 1" = 50' **L-10**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	13	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	SYLVIA RIVAS	
SENIOR LANDSCAPE ARCHITECT	MICHAEL BABICH	
DESIGNED BY	CHECKED BY	
RAY I. DESSELLE		



**LAYOUT
HARDSCAPE PLAN**
SCALE: 1" = 50' **L-11**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

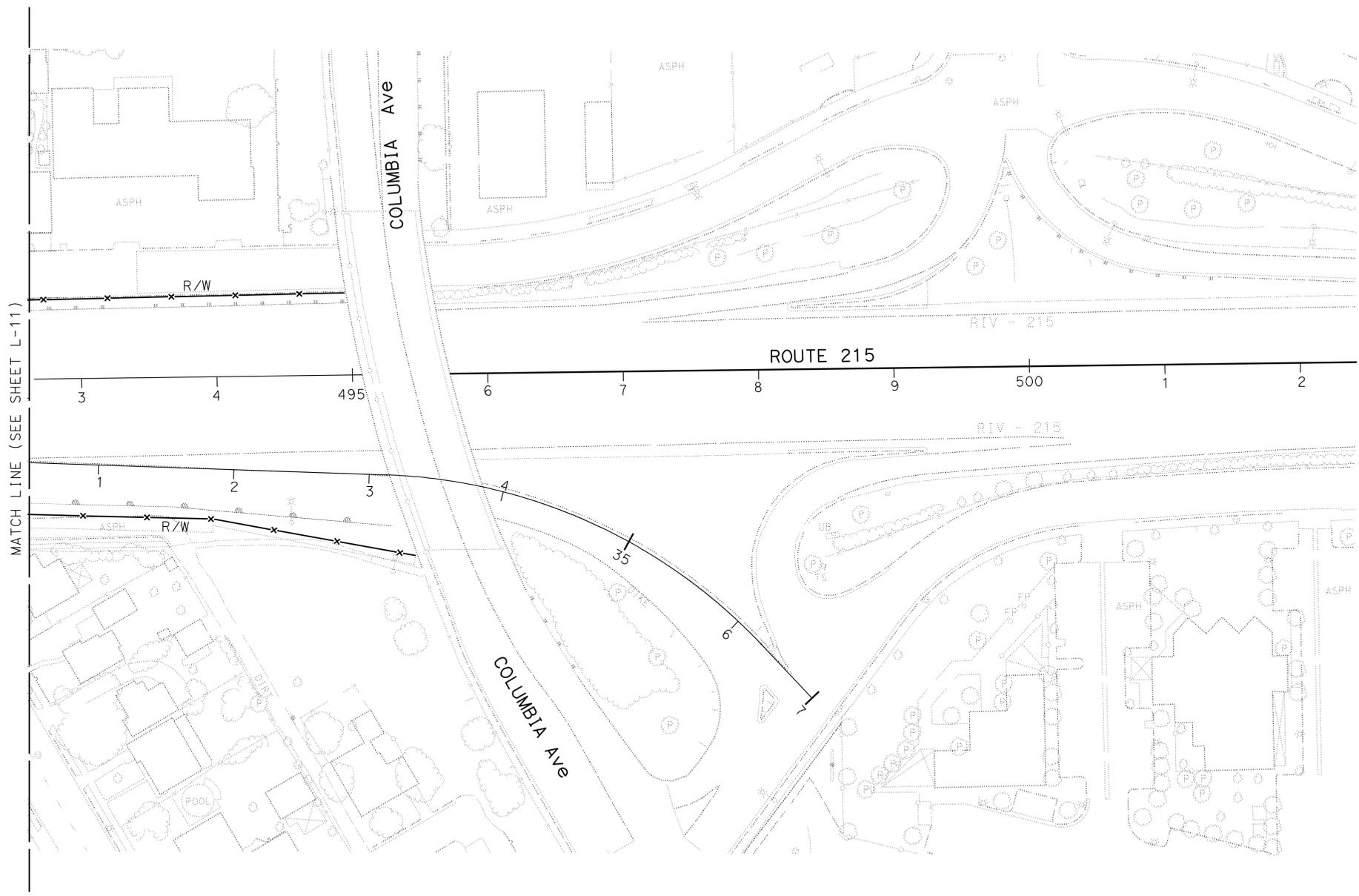
SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE

CALCULATED/DESIGNED BY
 CHECKED BY

SYLVIA RIVAS
 MICHAEL BABICH

REVISED BY
 DATE REVISED

NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
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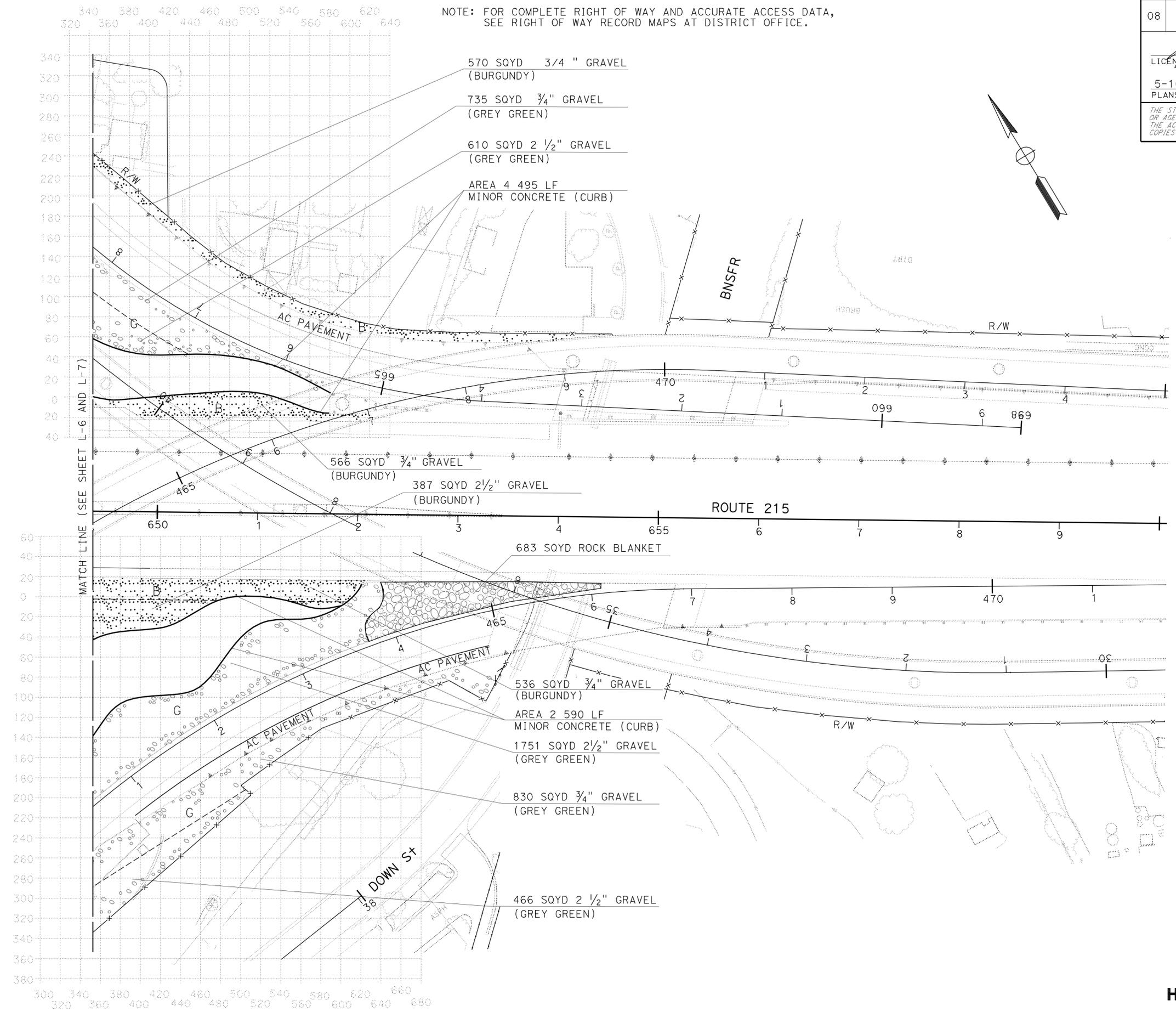
Signature: *Ray I. Deselle*
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 5-10-10
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**LAYOUT
 HARDSCAPE PLAN**
 SCALE: 1" = 50' **L-12**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT: RAY I. DESSELLE
 REVISIONS: (Grid of X's)
 REVISOR: SYLVIA RIVAS
 CHECKED BY: MICHAEL BABICH
 DESIGNED BY: (Blank)
 DATE REVISOR: (Blank)

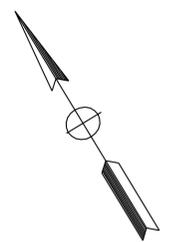


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Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
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 11/30/11
 Renewal Date: 04-08-10
 State of California

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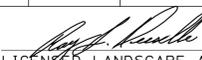


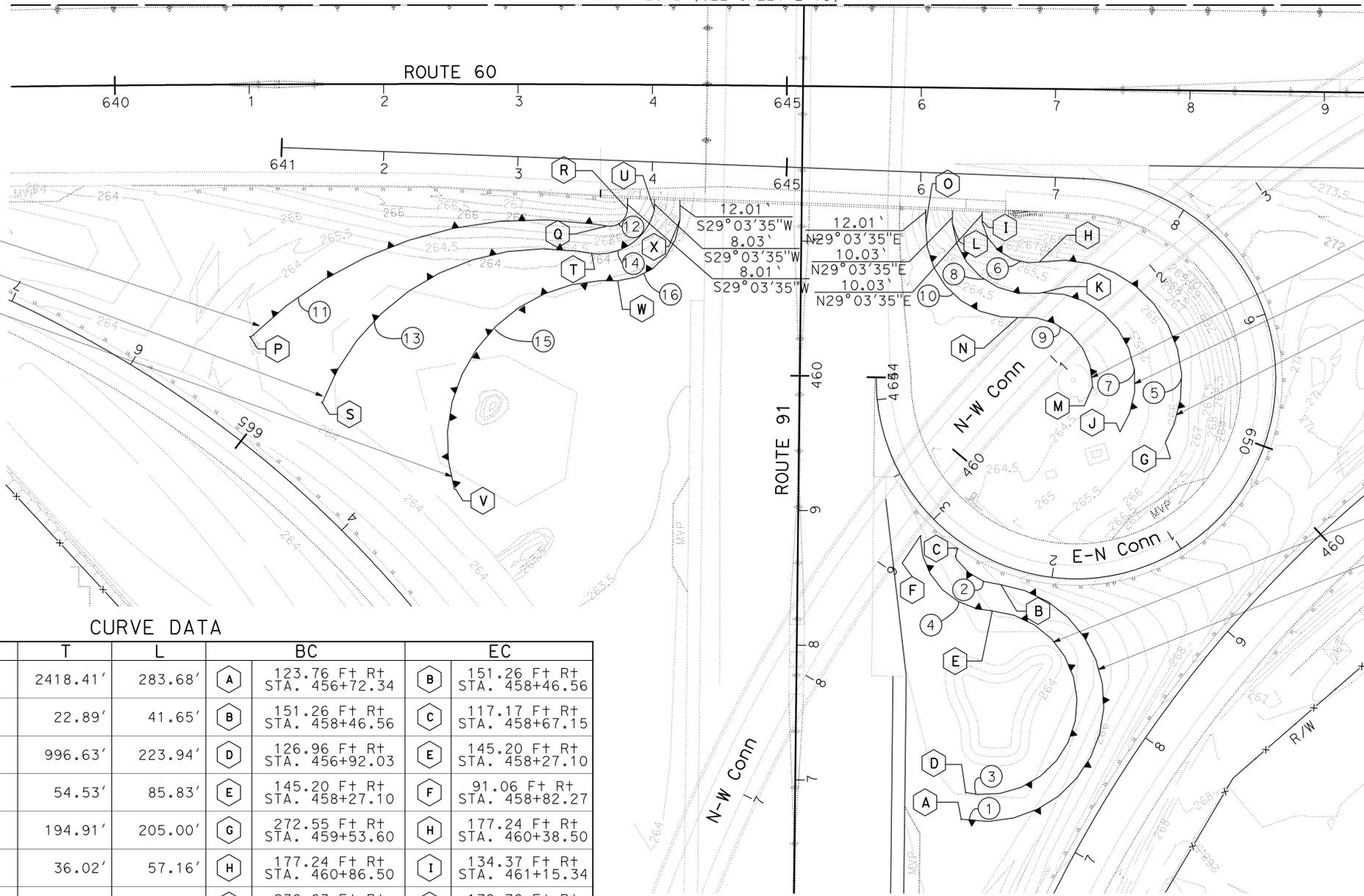
**LAYOUT
 HARDSCAPE PLAN**
 SCALE: 1" = 50'
L-13

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

MATCH LINE (SEE SHEET L-15)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	16	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

CURVE DATA

No.	R	Δ	T	L	BC	EC
①	88.25'	184°10'47"	2418.41'	283.68'	A 123.76 Ft Rt STA. 456+72.34	B 151.26 Ft Rt STA. 458+46.56
②	40.36'	59°7'33"	22.89'	41.65'	B 151.26 Ft Rt STA. 458+46.56	C 117.17 Ft Rt STA. 458+67.15
③	68.31'	187°50'30"	996.63'	223.94'	D 126.96 Ft Rt STA. 456+92.03	E 145.20 Ft Rt STA. 458+27.10
④	54.85'	89°40'11"	54.53'	85.83'	E 145.20 Ft Rt STA. 458+27.10	F 91.06 Ft Rt STA. 458+82.27
⑤	90.08'	130°23'31"	194.91'	205.00'	G 272.55 Ft Rt STA. 459+53.60	H 177.24 Ft Rt STA. 460+38.50
⑥	37.07'	88°21'19"	36.02'	57.16'	H 177.24 Ft Rt STA. 460+86.50	I 134.37 Ft Rt STA. 461+15.34
⑦	66.35'	126°25'56"	131.45'	146.42'	J 238.63 Ft Rt STA. 459+61.00	K 179.78 Ft Rt STA. 460+63.82
⑧	57.10'	94°58'48"	62.29'	94.65'	K 179.78 Ft Rt STA. 460+63.82	L 112.27 Ft Rt STA. 461+14.11
⑨	49.20'	100°55'56"	59.62'	86.68'	M 217.67 Ft Rt STA. 459+93.91	N 161.75 Ft Rt STA. 460+45.21
⑩	64.64'	96°49'47"	72.84'	109.24'	N 161.75 Ft Rt STA. 460+45.21	O 92.44 Ft Rt STA. 461+12.64
⑪	302.02'	54°45'03"	156.39'	288.61'	P 409.01 Ft Lt STA. 460+23.99	Q 144.79 Ft Lt STA. 461+09.64
⑫	13.17'	97°4'45"	14.90'	22.31'	Q 144.79 Ft Lt STA. 461+09.64	R 129.71 Ft Lt STA. 461+22.36
⑬	176.32'	80°58'53"	150.54'	249.21'	S 355.09 Ft Lt STA. 459+76.07	T 155.93 Ft Lt STA. 460+89.07
⑭	42.60'	83°23'26"	37.95'	62.00'	T 155.93 Ft Lt STA. 460+89.07	U 109.70 Ft Lt STA. 461+21.84
⑮	118.75'	110°35'30"	171.47'	229.21'	V 255.09 Ft Lt STA. 459+12.95	W 136.46 Ft Lt STA. 460+68.03
⑯	49.54'	86°31'00"	46.61'	74.80'	W 136.46 Ft Lt STA. 460+68.03	X 89.57 Ft Lt STA. 461+17.33

NOTE:
1. ALL BC AND EC DISTANCES AND STATIONS ARE REFERENCED TO ROUTE 91 CENTER LINE

**LAYOUT
RETAINING WALL**
SCALE: 1" = 50' **L-14**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE

CHECKED BY

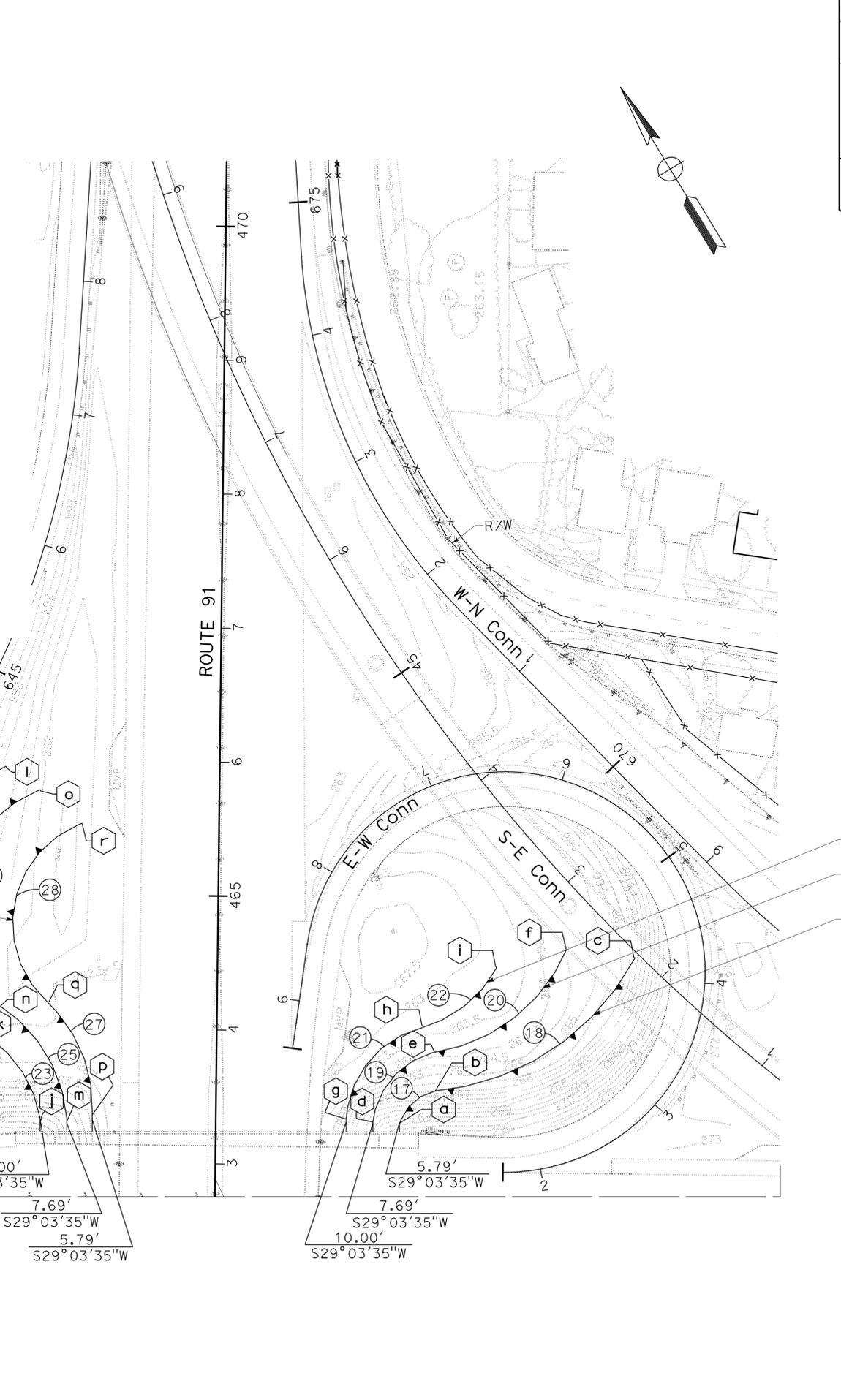
SYLVIA RIVAS
 MICHAEL BABICH

REVISOR BY
 DATE REVISED

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

CURVE DATA									
No.	R	Δ	T	L	BC		EC		
17	35.89'	63°59'14"	22.42'	40.08'	a	136.47 Ft Rt STA. 463+31.11	b	163.99 Ft Rt STA. 463+57.36	
18	186.46'	57°8'10"	101.53'	185.95'	b	163.99 Ft Rt STA. 463+57.36	c	311.30 Ft Rt STA. 464+57.86	
19	61.91'	67°44'01"	41.55'	73.19'	d	116.53 Ft Rt STA. 463+32.81	e	160.82 Ft Rt STA. 463+85.72	
20	127.48'	59°10'59"	72.39'	131.68'	e	160.82 Ft Rt STA. 463+85.72	f	260.04 Ft Rt STA. 464+63.42	
21	75.77'	72°49'05"	55.88'	96.29'	g	96.58 Ft Rt STA. 463+34.91	h	153.57 Ft Rt STA. 464+04.49	
22	91.42'	45°28'47"	38.31'	72.56'	h	153.57 Ft Rt STA. 464+04.49	i	208.10 Ft Rt STA. 464+49.39	
23	87.91'	45°30'08"	36.86'	69.81'	j	130.50 Ft Lt STA. 463+32.58	k	166.20 Ft Lt STA. 463+90.45	
24	114.92'	125°0'26"	220.80'	250.74'	k	166.20 Ft Lt STA. 463+90.45	l	159.52 Ft Lt STA. 465+94.23	
25	110.19'	52°48'20"	54.71'	101.56'	m	110.50 Ft Lt STA. 463+32.82	n	161.40 Ft Rt STA. 464+16.57	
26	95.14'	117°38'42"	157.23'	195.34'	n	161.40 Ft Rt STA. 464+16.57	o	133.87 Ft Lt STA. 465+77.01	
27	106.95'	49°27'20"	49.25'	92.32'	p	91.53 Ft Lt STA. 463+36.96	q	125.79 Ft Lt STA. 464+19.62	
28	78.62'	117°47'30"	130.31'	161.63'	q	125.79 Ft Lt STA. 464+19.62	r	102.27 Ft Lt STA. 465+52.18	

NOTE:
 1. ALL BC AND EC DISTANCES AND STATIONS ARE REFERENCED TO ROUTE 91 CENTER LINE



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	17	84

Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

**LAYOUT
 RETAINING WALL**
 SCALE: 1" = 50' **L-15**

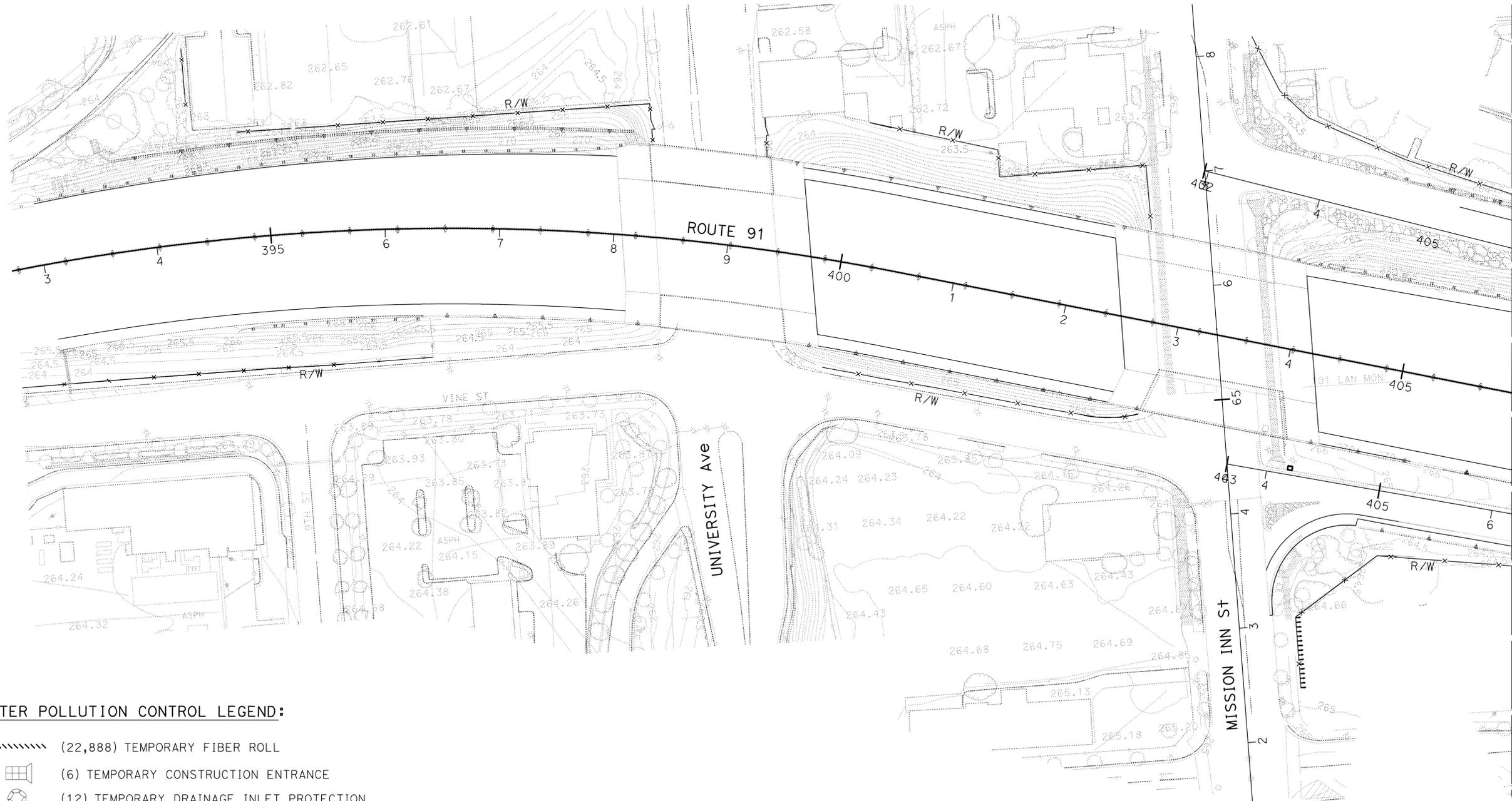
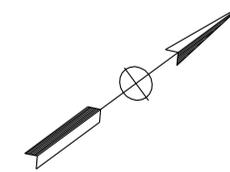
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	18	84

<i>Ray I. Deselle</i>	
LICENSED LANDSCAPE ARCHITECT	
5-10-10	PLANS APPROVAL DATE
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NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

WATER POLLUTION CONTROL NOTE:

1. PLACEMENT OF TEMPORARY CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT ARE APPROXIMATE. ORIENTATION WILL DEPEND ON FIELD CONDITIONS.



WATER POLLUTION CONTROL LEGEND:

- (22,888) TEMPORARY FIBER ROLL
- [Grate Symbol] (6) TEMPORARY CONSTRUCTION ENTRANCE
- [Circle with Cross Symbol] (12) TEMPORARY DRAINAGE INLET PROTECTION
- [Dashed Rectangle Symbol] (5) TEMPORARY CONCRETE WASHOUT (PORTABLE)

TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

WPC-1

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

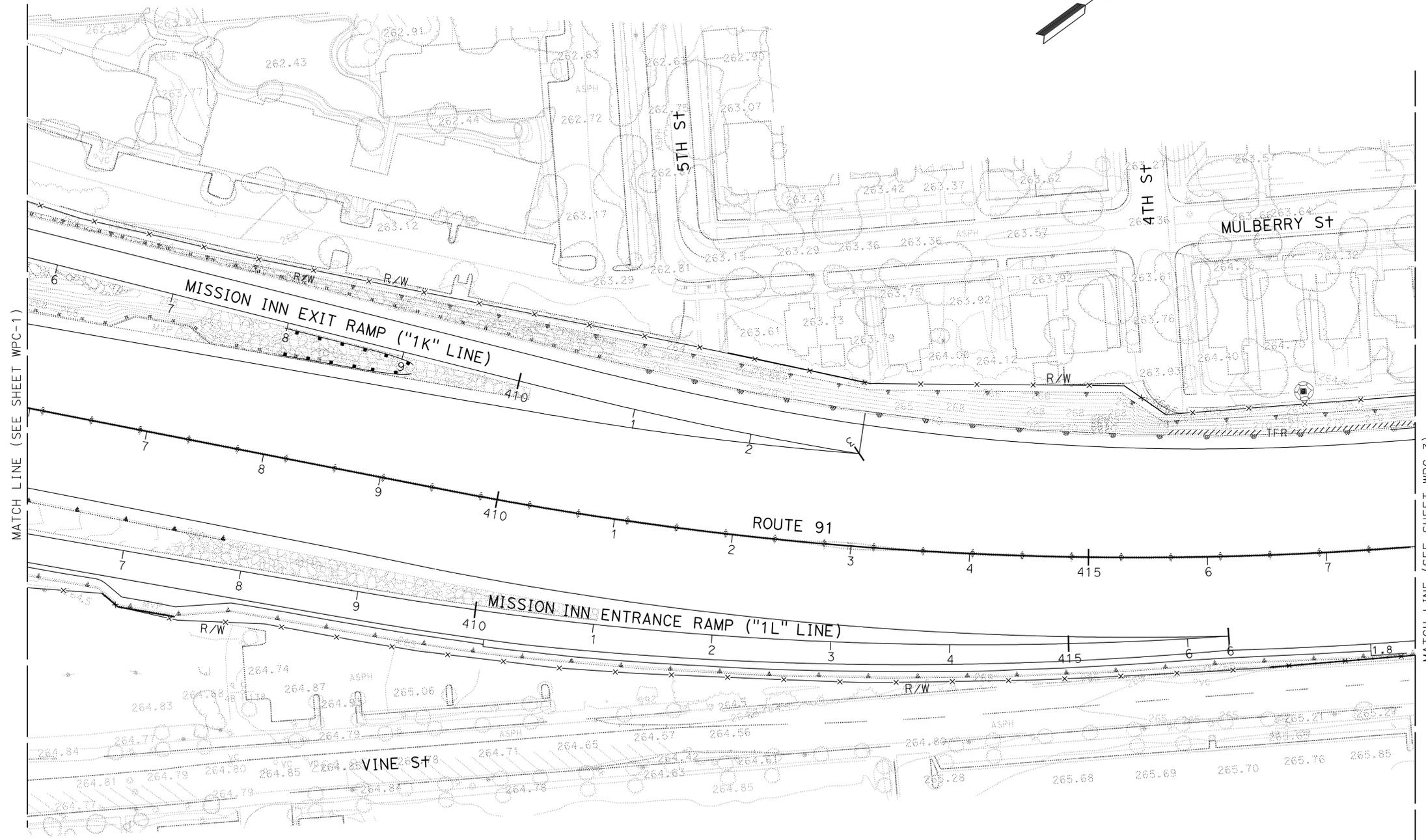


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 CALCULATED/DESIGNED BY
 CHECKED BY
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	19	84

<i>Ray I. Deselle</i>	
LICENSED LANDSCAPE ARCHITECT	
5-10-10	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: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT: RAY I. DESSELLE
 CALCULATED/DESIGNED BY: RAY I. DESSELLE
 CHECKED BY: MICHAEL BABICH
 SYLVIA RIVAS
 REVISOR: MICHAEL BABICH
 DATE REVISOR: [blank]

TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

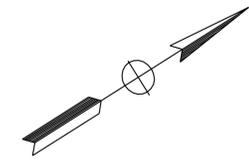
WPC-2

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

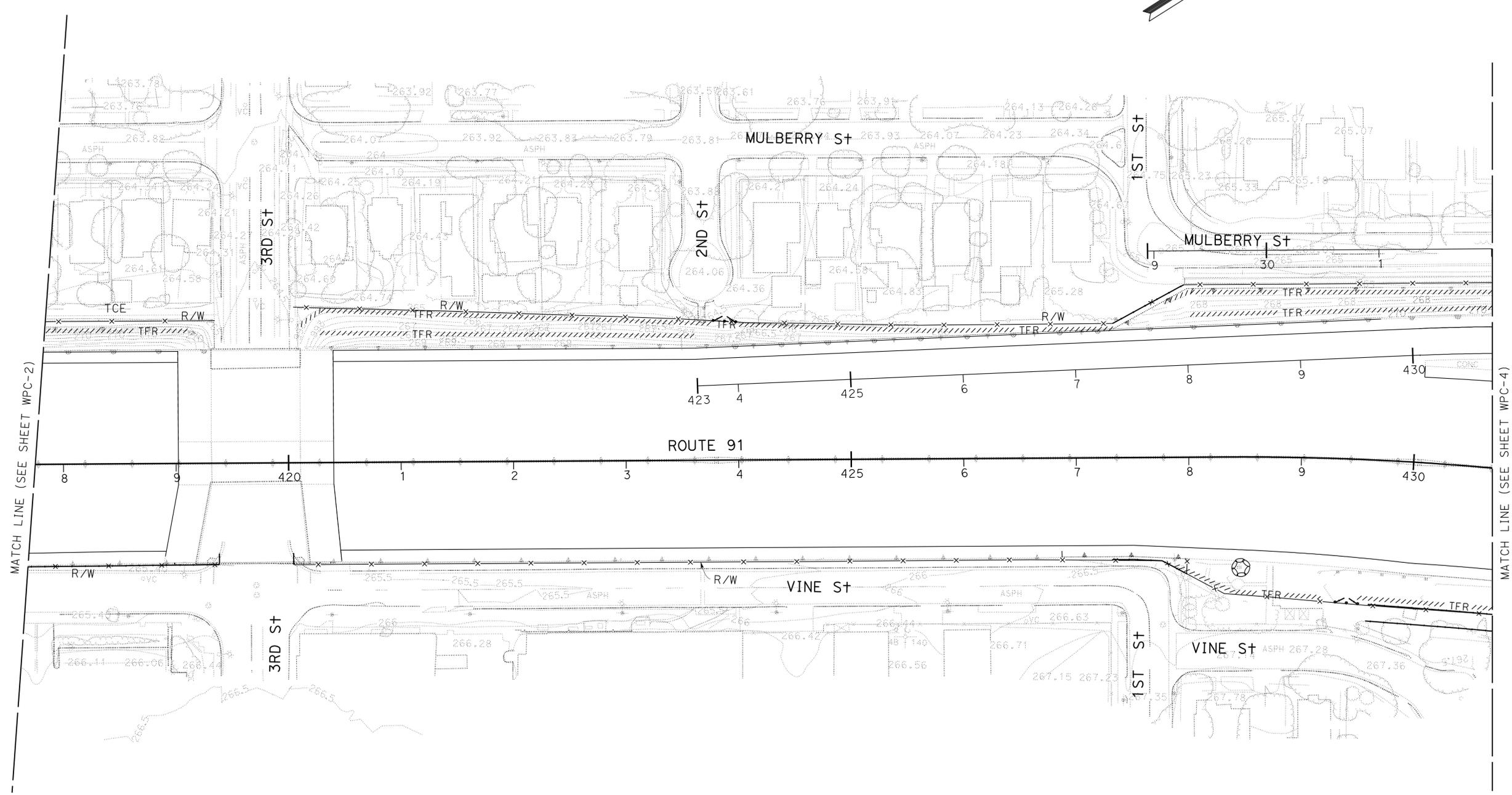
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	20	84

<i>Ray I. Deselle</i>	
LICENSED LANDSCAPE ARCHITECT	
5-10-10	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.	
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NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



MATCH LINE (SEE SHEET WPC-2)

MATCH LINE (SEE SHEET WPC-4)

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 CALCULATED/DESIGNED BY
 CHECKED BY
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY
 DATE REVISED

TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

WPC-3

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE
 IS IN INCHES



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CU 08341

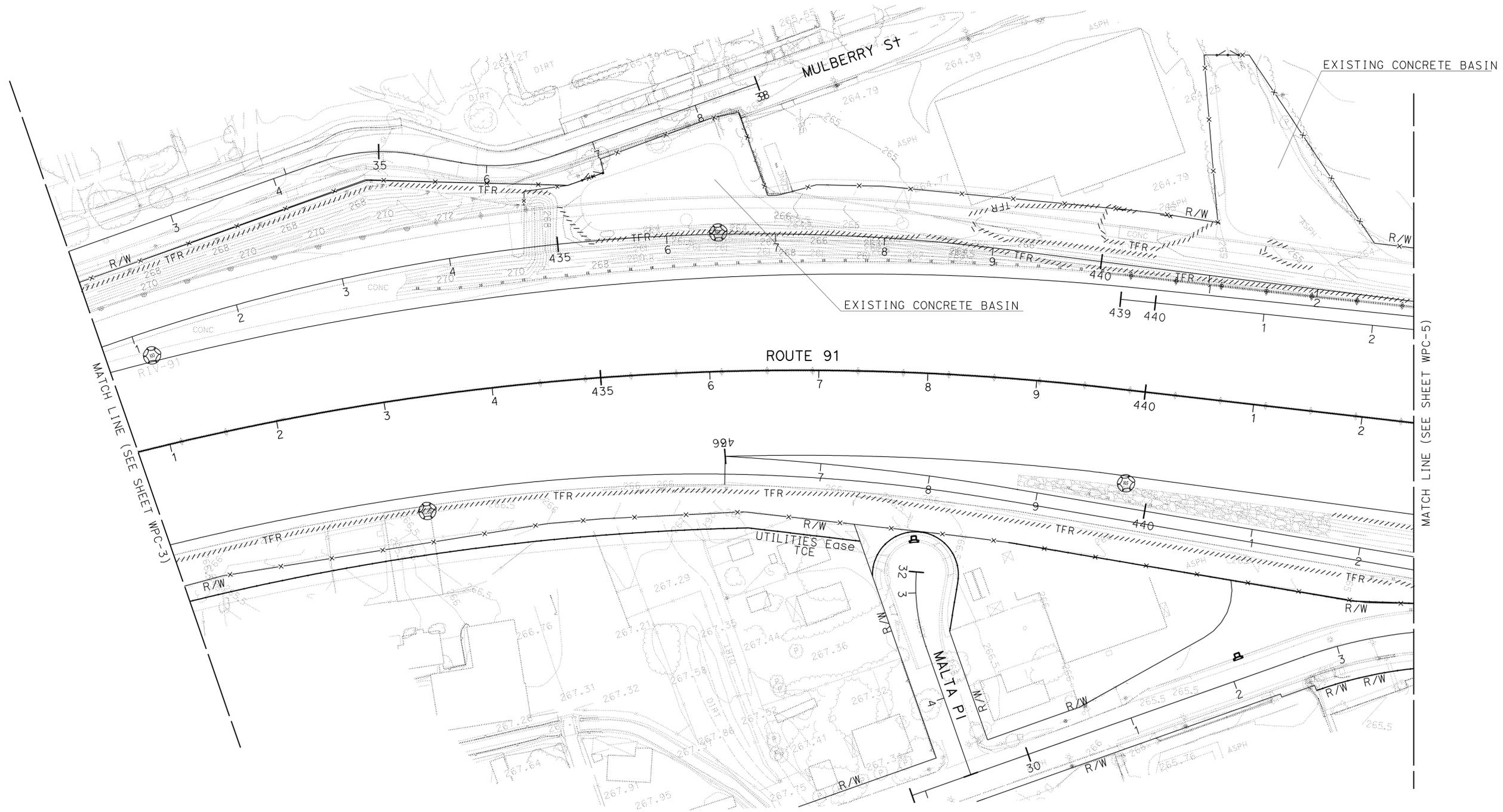
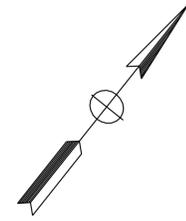
EA 334861

LAST REVISION DATE PLOTTED => 12-MAY-2010
 04-08-10 TIME PLOTTED => 12:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	21	84

Signature: *Ray I. Dessel*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT: RAY I. DESSELLE
 CALCULATED/DESIGNED BY: RAY I. DESSELLE
 CHECKED BY: MICHAEL BABICH
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY: _____ DATE REVISED: _____

TEMPORARY WATER POLLUTION CONTROL PLAN

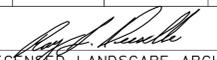
SCALE: 1" = 50'

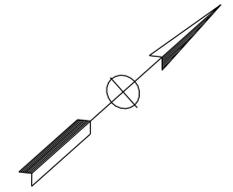
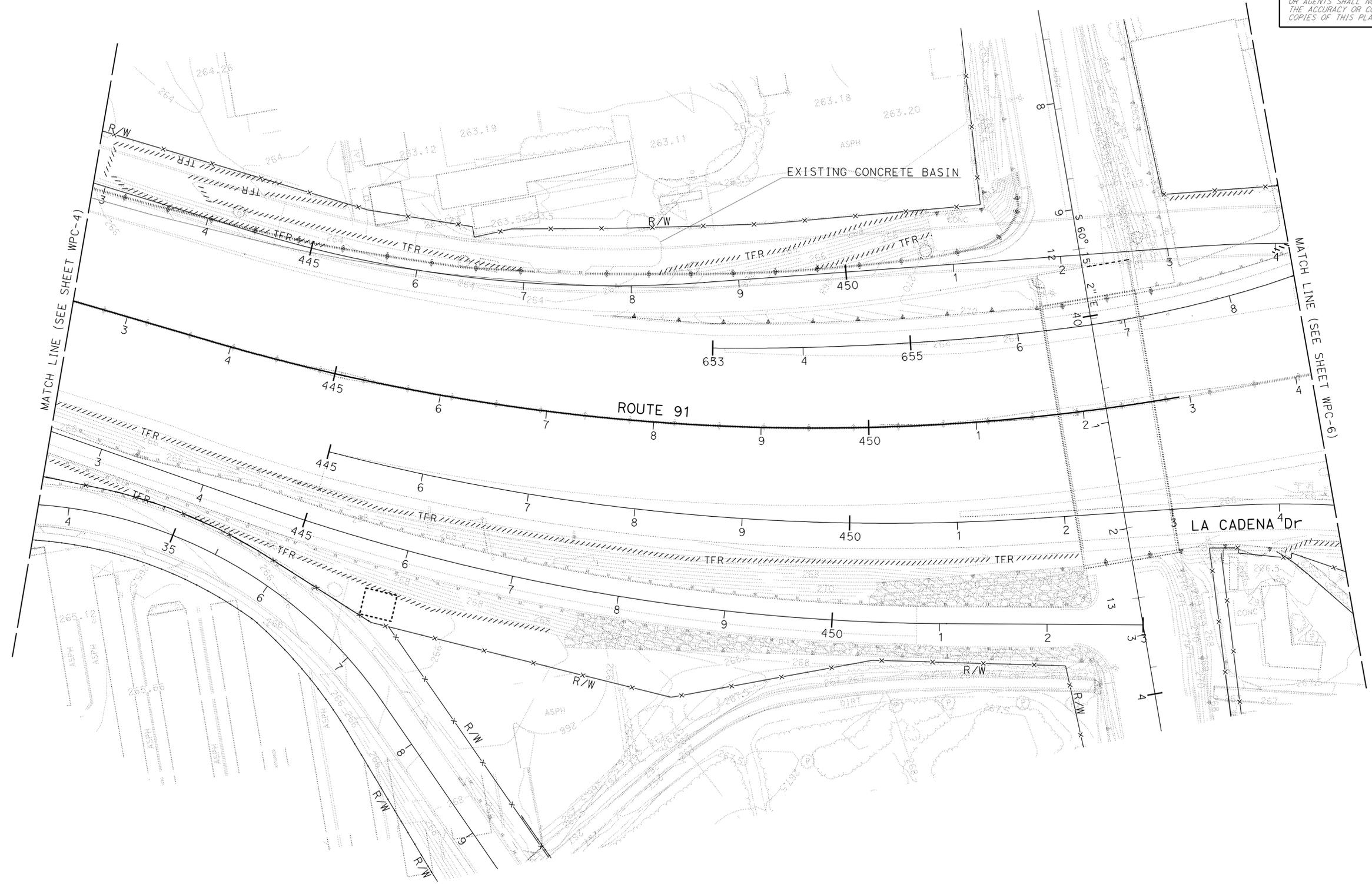
WPC-4

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	22	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT	RAY I. DESSELLE
CALCULATED/DESIGNED BY	CHECKED BY
SYLVIA RIVAS	MICHAEL BABICH
REVISED BY	DATE REVISED

TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

WPC-5

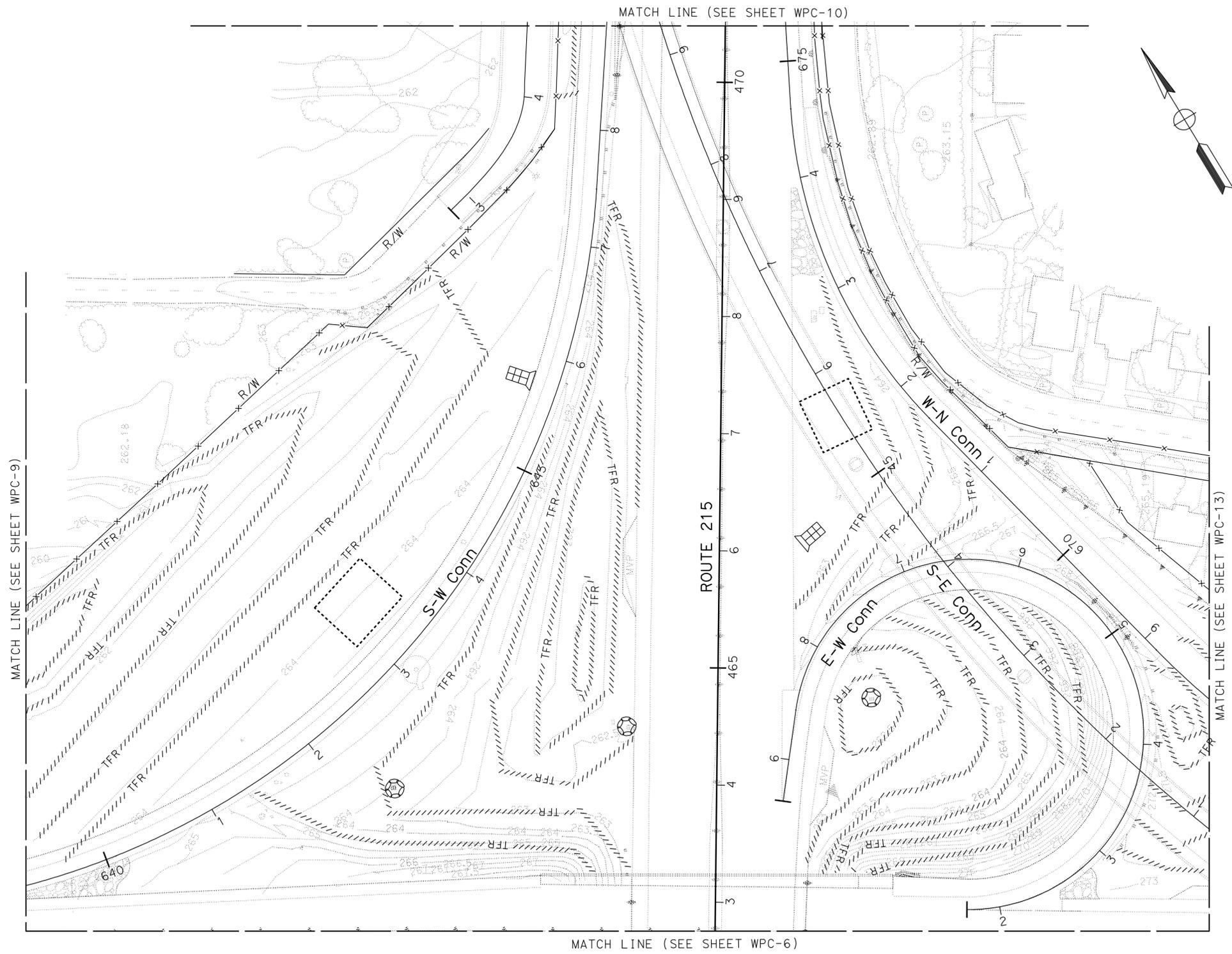
THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	24	84

<i>Ray I. Deselle</i>	
LICENSED LANDSCAPE ARCHITECT	
5-10-10	
PLANS APPROVAL DATE	

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	REVISOR BY
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	DATE REVISED

TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

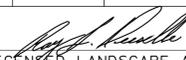
WPC-7

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY



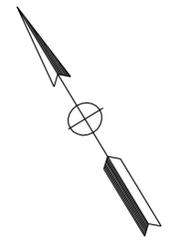
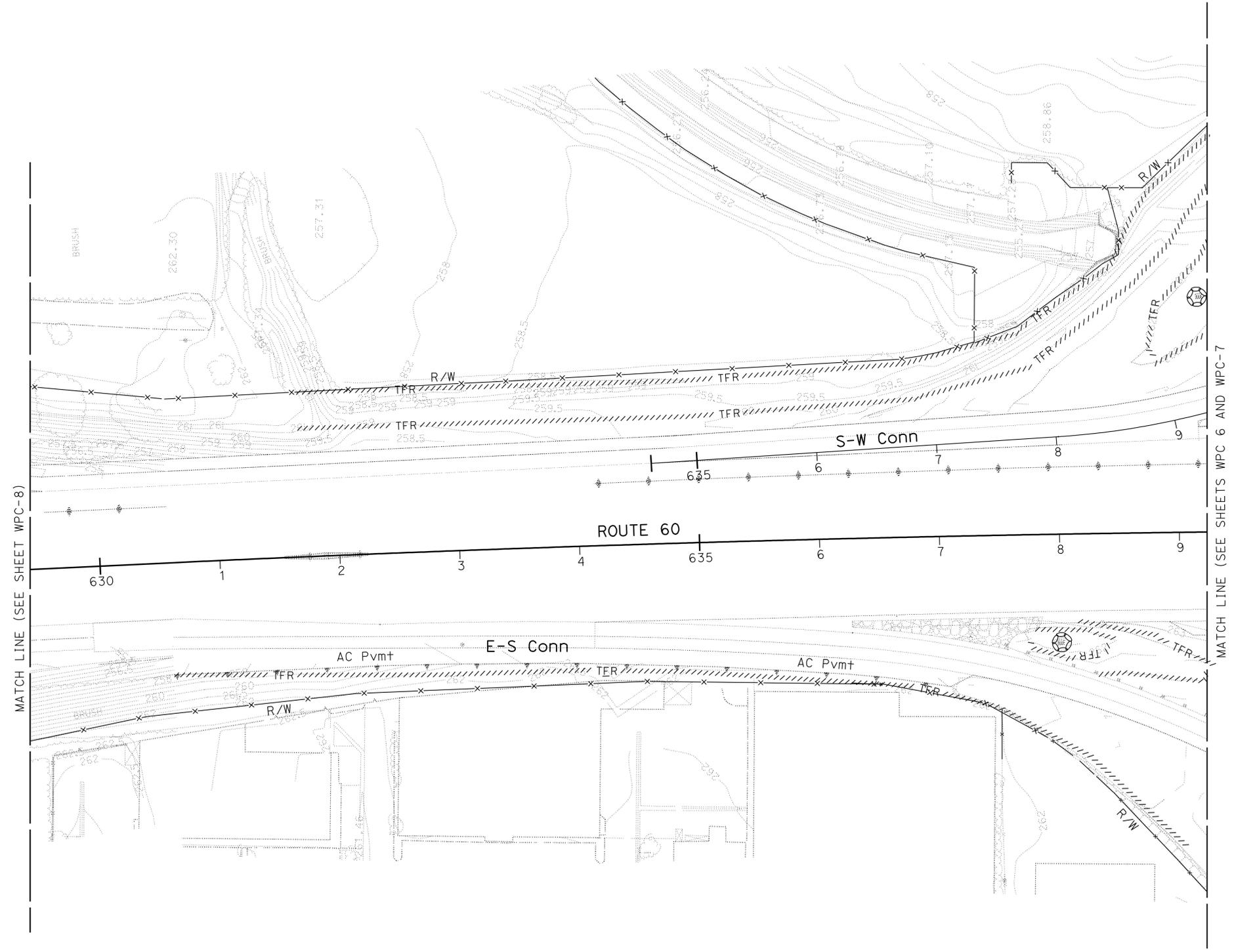
NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	26	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE



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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 CALCULATED/DESIGNED BY
 CHECKED BY
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY
 DATE REVISED

TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

WPC-9

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

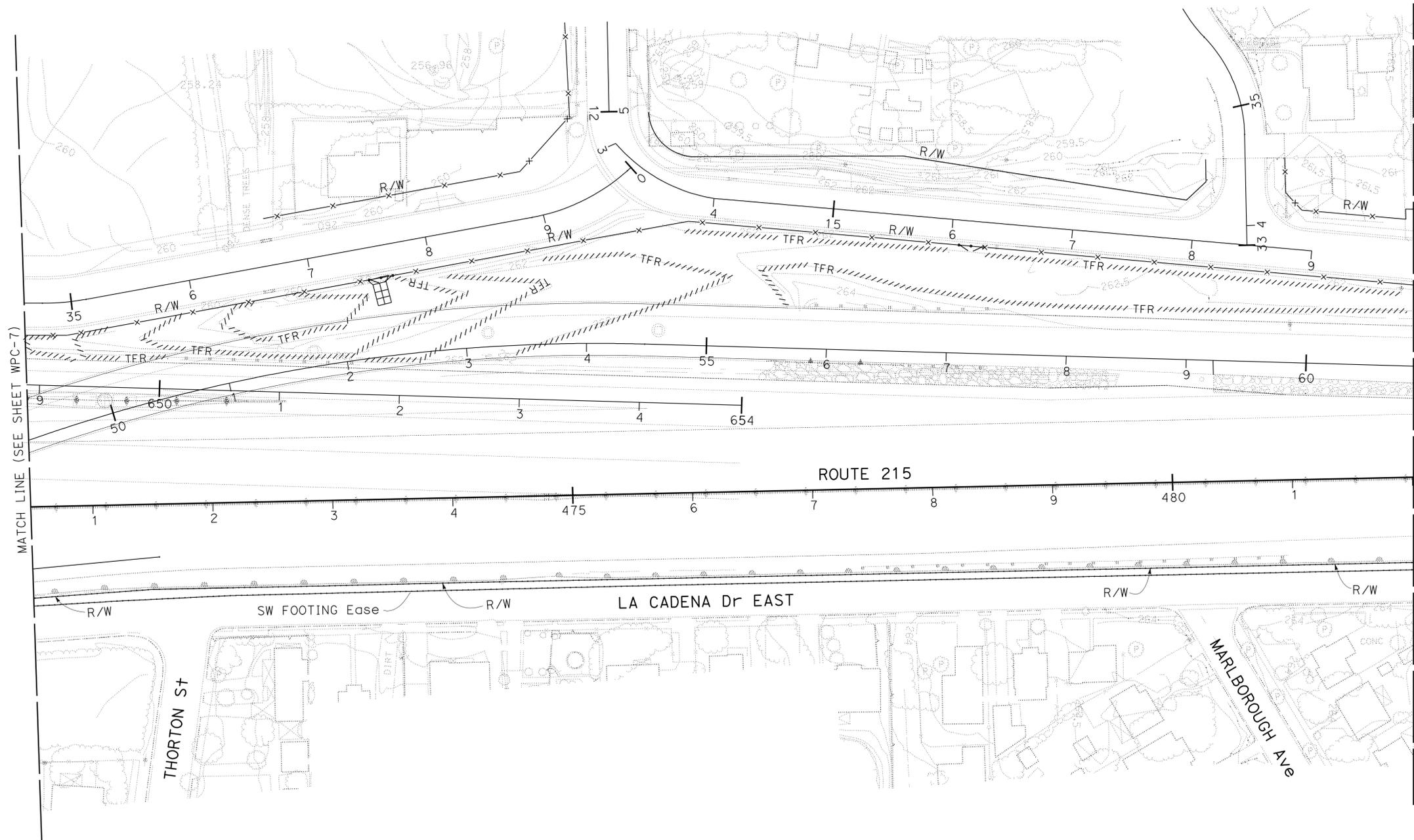
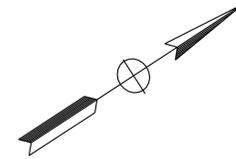


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	27	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE

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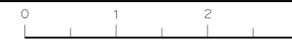
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	SYLVIA RIVAS	
SENIOR LANDSCAPE ARCHITECT	MICHAEL BABICH	
RAY I. DESSELLE		
CALCULATED/DESIGNED BY	CHECKED BY	

TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

WPC-10

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	28	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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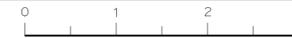
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	SYLVIA RIVAS	
		MICHAEL BABICH	
		CHECKED BY	DESIGNED BY

TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

WPC-11

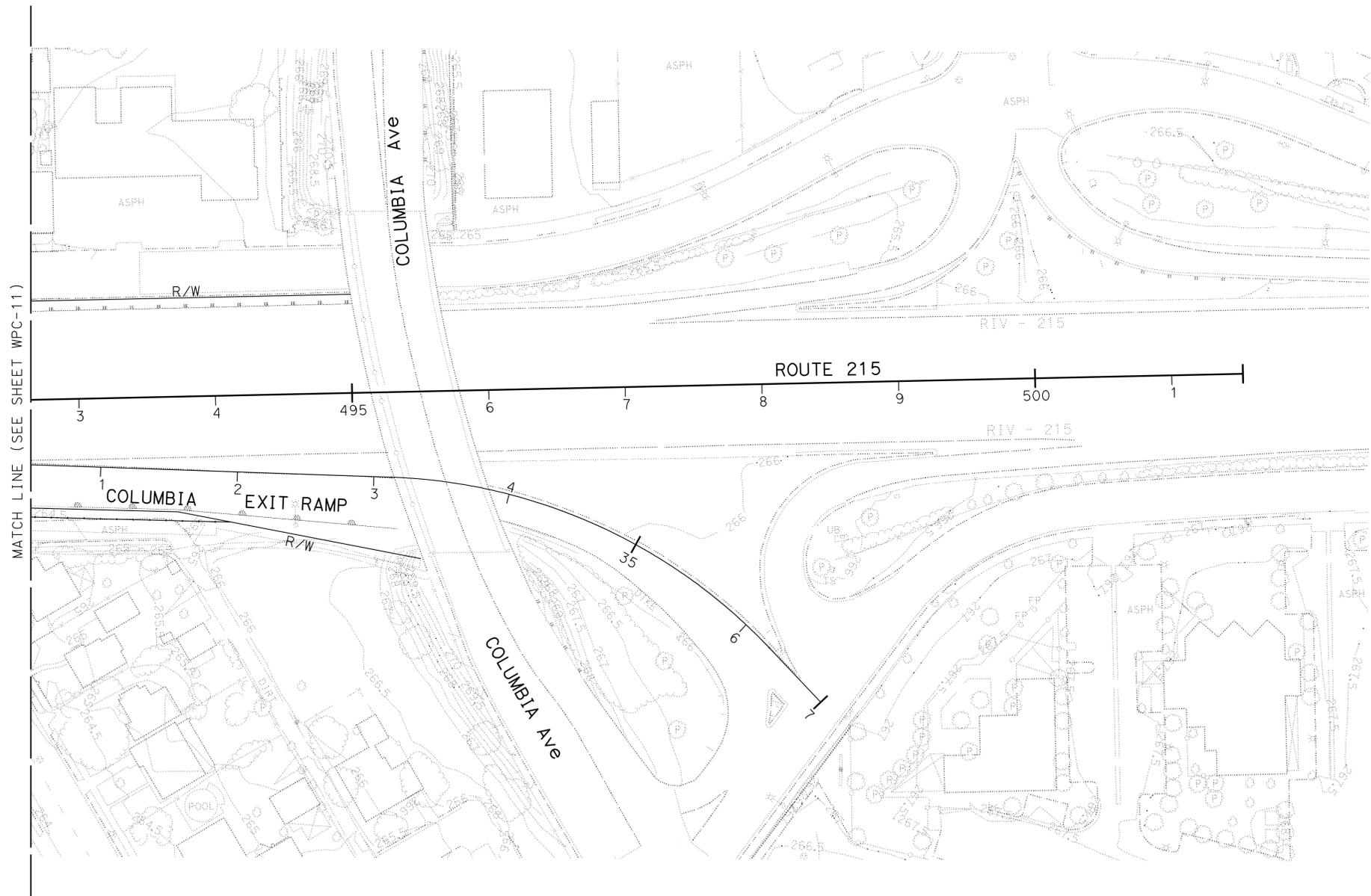
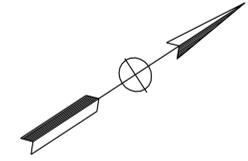
THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	29	84

<i>Ray I. Deselle</i> LICENSED LANDSCAPE ARCHITECT	
5-10-10 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: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	DESIGNED BY	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	SYLVIA RIVAS	5-10-10
			MICHAEL BABICH	

TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

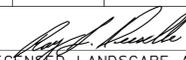
WPC-12

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

LAST REVISION | DATE PLOTTED => 12-MAY-2010
 04-08-10 | TIME PLOTTED => 11:01

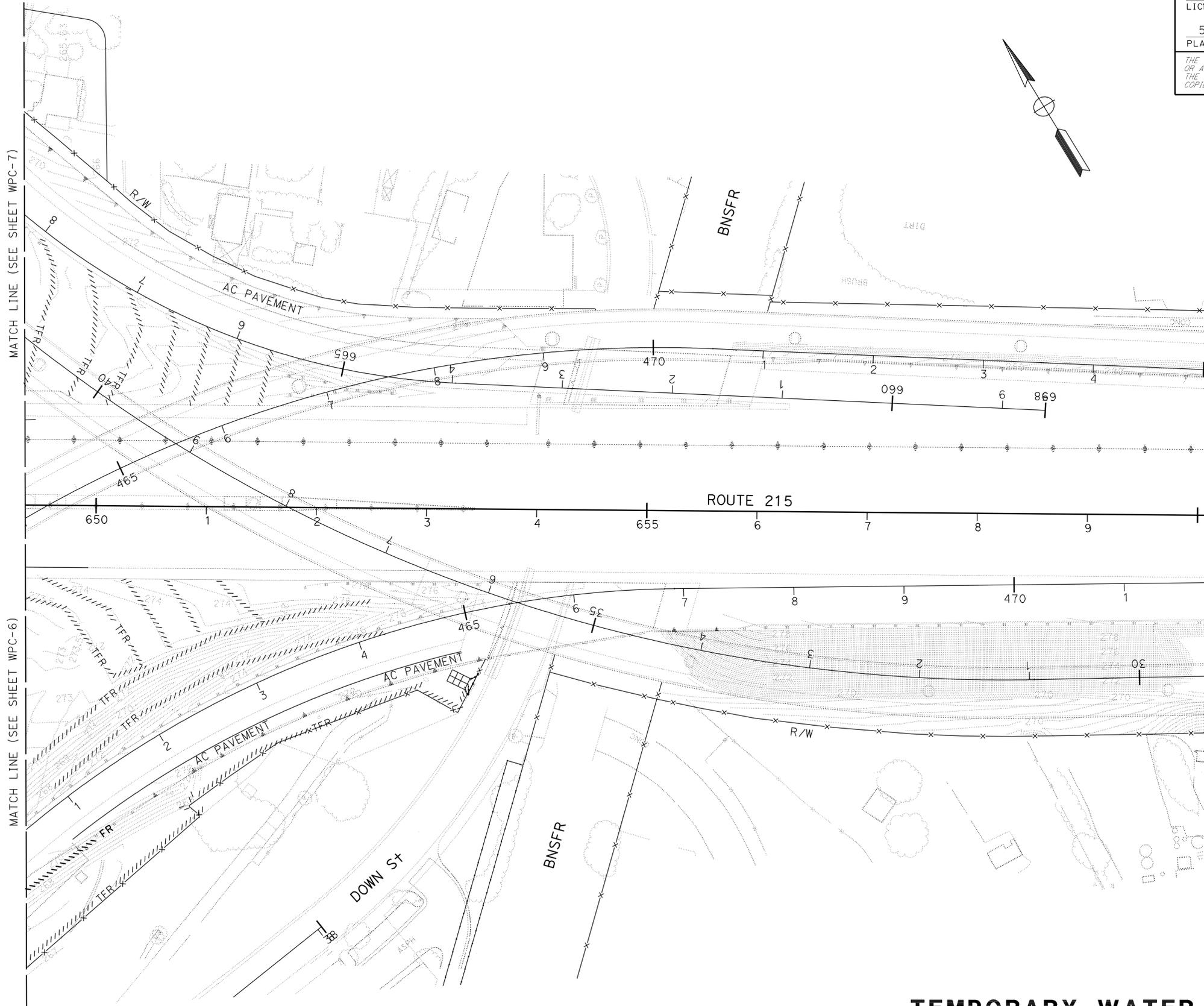
NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	30	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE



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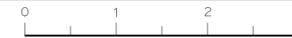
TEMPORARY WATER POLLUTION CONTROL PLAN

SCALE: 1" = 50'

WPC-13

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

RELATIVE BORDER SCALE
IS IN INCHES



USERNAME => trstrk
DGN FILE => 833486tc013.dgn

CU 08341

EA 334861

BORDER LAST REVISED 4/11/2008

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT
RAY I. DESSELLE

CALCULATED/DESIGNED BY
CHECKED BY

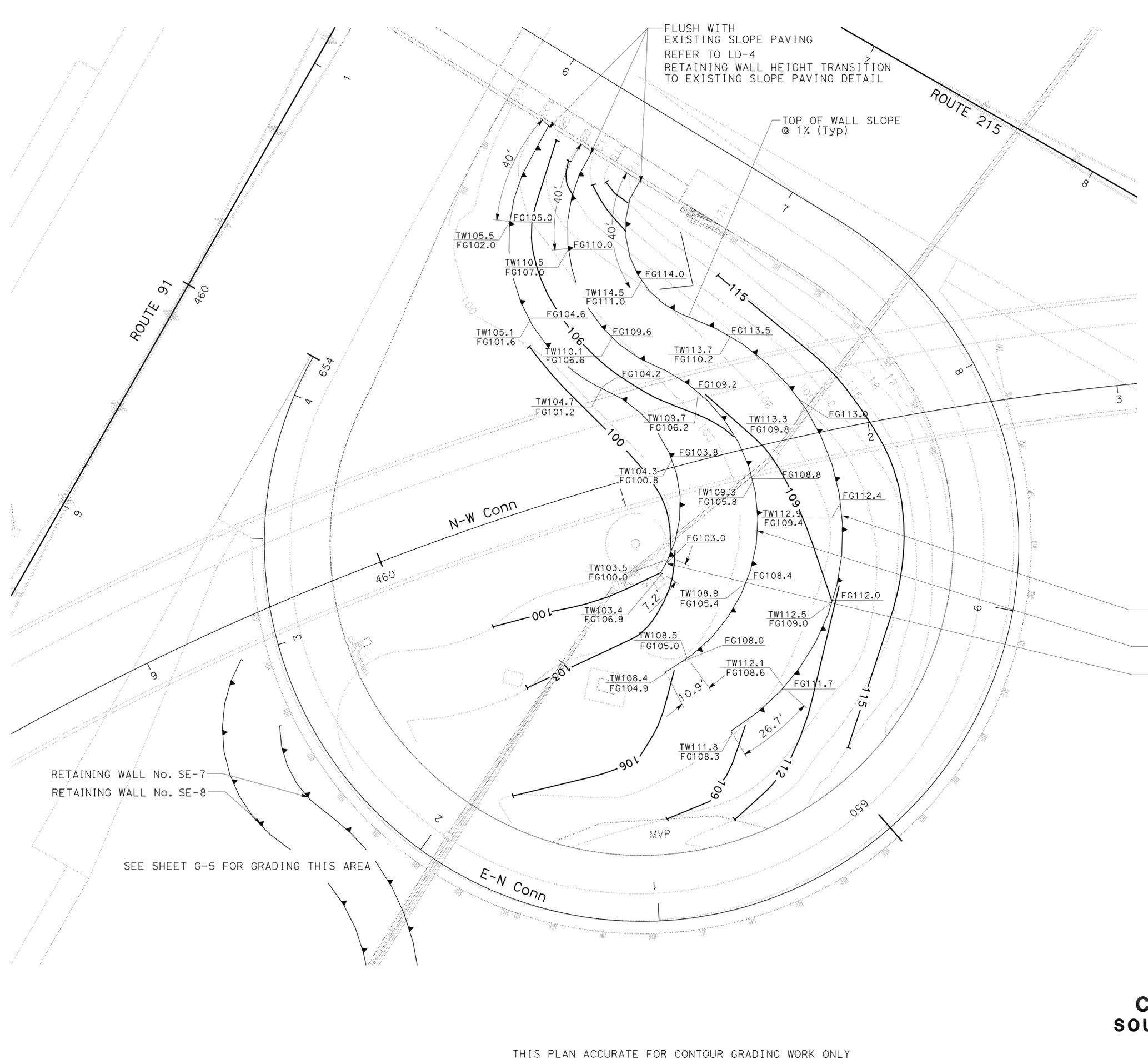
SYLVIA RIVAS
MICHAEL BABICH

REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 12-MAY-2010
04-08-10 | TIME PLOTTED => 11:02

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT	RAY I. DESSELLE
CALCULATED/DESIGNED BY	CHECKED BY
MIRIAM BISHOP	SYLVIA RIVAS
REVISED BY	DATE REVISED



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	31	84

Signature: *Ray I. Dessel*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.



NOTES:

ALL WALL ELEVATIONS ARE 40 FEET APART UNLESS OTHERWISE SHOWN

CONTOURS ARE AT 3 FEET INTERVALS FROM AS BUILT GRADING (EA 33484):

- 264=100
- 265=103
- 266=106
- 267=109
- 268=112
- 269=115
- 270=118
- 271=121

RETAINING WALL No. SE-6
 RETAINING WALL No. SE-5
 RETAINING WALL No. SE-4

RETAINING WALL No. SE-7
 RETAINING WALL No. SE-8

SEE SHEET G-5 FOR GRADING THIS AREA

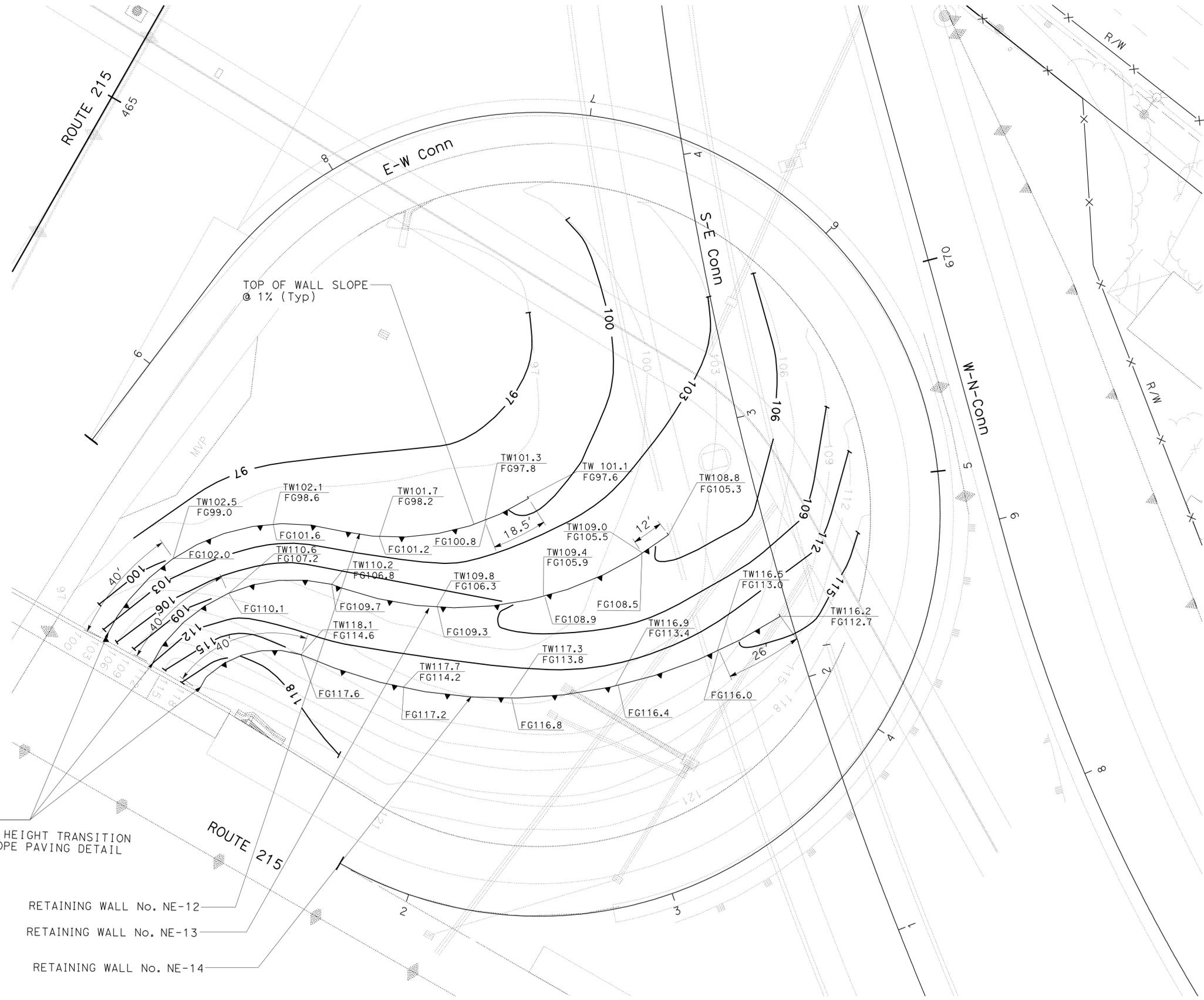
CONTOUR GRADING
SOUTH EAST QUADRANT-A
 SCALE: 1" = 20'
G-1

THIS PLAN ACCURATE FOR CONTOUR GRADING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT RAY I. DESSELLE
 CALCULATED/DESIGNED BY CHECKED BY
 MIRIAM BISHOP SYLVIA RIVAS
 REVISED BY DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	32	84

Signature: *Ray I. Dessel*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
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 LICENSED LANDSCAPE ARCHITECT
 RAY I. DESSELLE No. 2127
 Signature: *Ray I. Dessel*
 11/30/11
 Renewal Date: 04-08-10
 State of California



REFER TO LD-4
 RETAINING WALL HEIGHT TRANSITION
 TO EXISTING SLOPE PAVING DETAIL

RETAINING WALL No. NE-12
 RETAINING WALL No. NE-13
 RETAINING WALL No. NE-14



NOTES:
 ALL WALL ELEVATIONS ARE
 40 FEET APART UNLESS OTHERWISE SHOWN
 CONTOURS ARE AT 3 FEET INTERVALS
 FROM AS BUILT GRADING (EA 33484):
 263=97
 264=100
 265=103
 266=106
 267=109
 268=112
 269=115
 270=118
 271=121

THIS PLAN ACCURATE FOR CONTOUR GRADING WORK ONLY

**CONTOUR GRADING
 NORTH EAST QUADRANT**
 SCALE: 1" = 20'

G-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	33	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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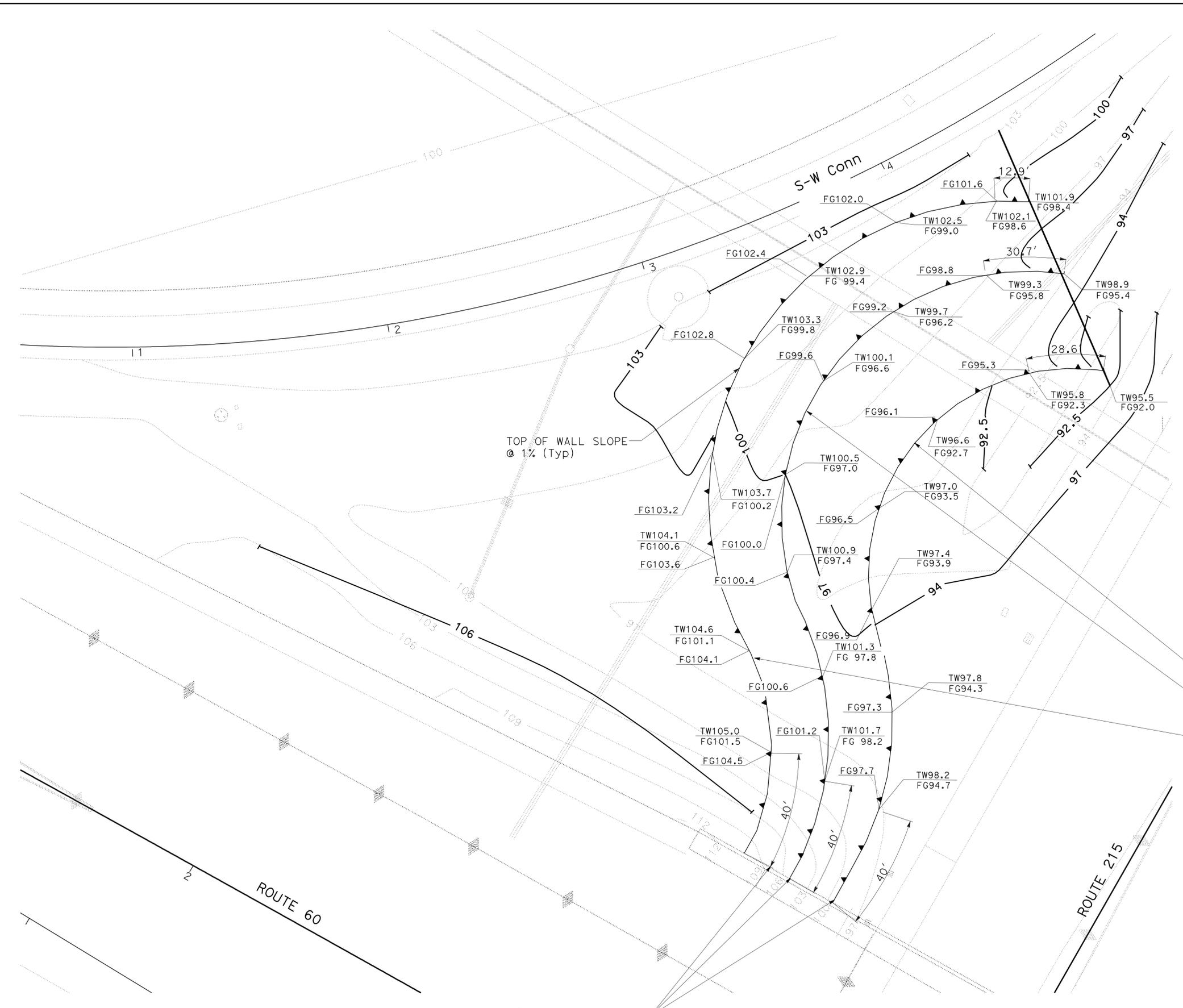



NOTES:

ALL WALL ELEVATIONS ARE 40 FEET APART UNLESS OTHERWISE SHOWN

CONTOURS ARE AT 3 FEET INTERVALS FROM AS BUILT GRADING (EA 33484):

- 261.5=92.5
- 262= 94
- 263= 97
- 264=100
- 265=103
- 266=106
- 267=109
- 268=112
- 269=115
- 270=118
- 271=121



RETAINING WALL No. NW-9

RETAINING WALL No. NW-10

RETAINING WALL No. NW-11

REFER TO LD-4
 RETAINING WALL HEIGHT TRANSITION
 TO EXISTING SLOPE PAVING DETAIL

**CONTOUR GRADING
 NORTH WEST QUADRANT**
 SCALE: 1" = 20' **G-3**

THIS PLAN ACCURATE FOR CONTOUR GRADING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	DESIGNED BY	REVISOR
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	MIRIAM BISHOP
			SYLVIA RIVAS
			DATE REVISION

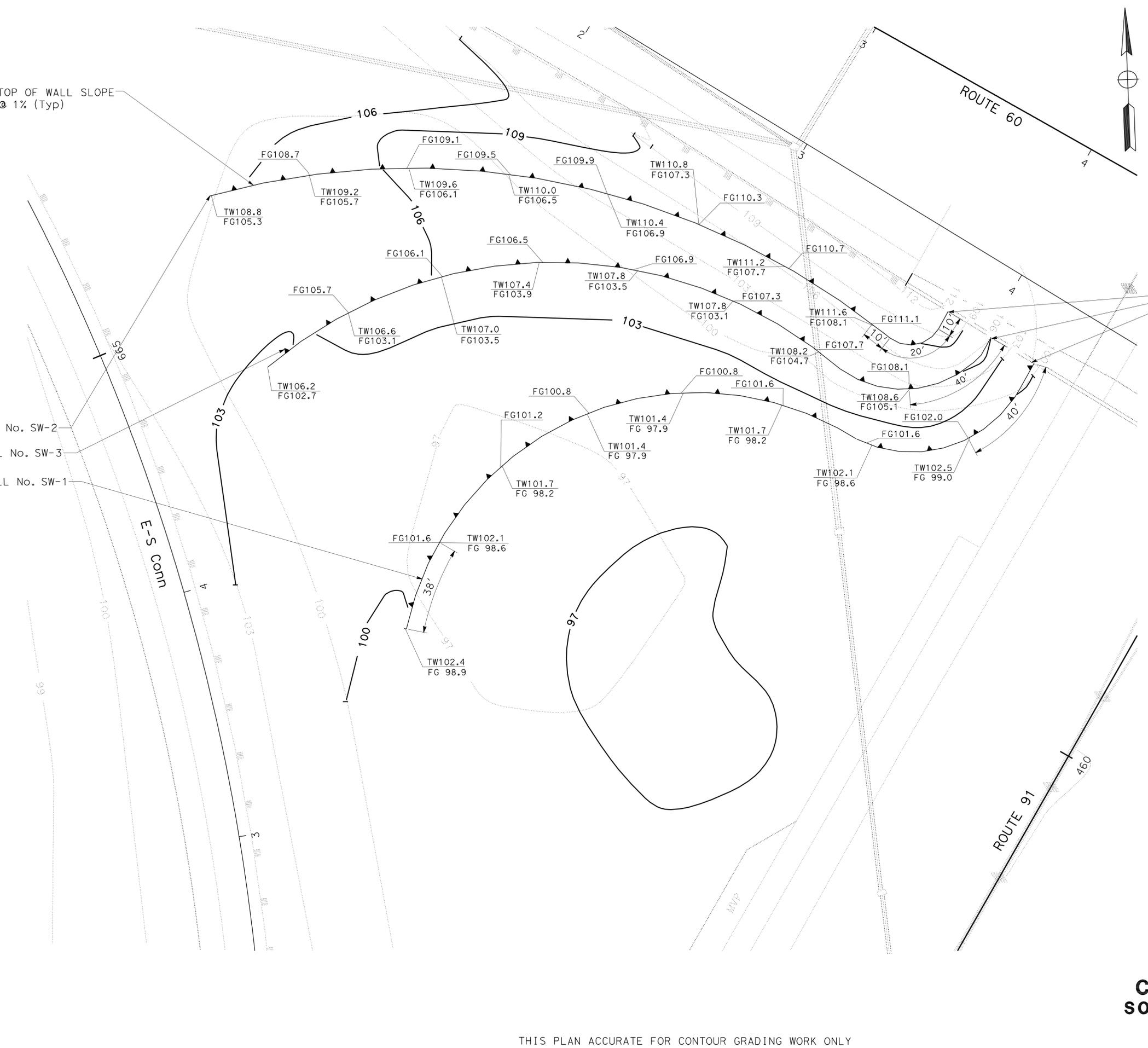
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE

CALCULATED/DESIGNED BY
 CHECKED BY

MIRIAM BISHOP
 SYLVIA RIVAS

REVISED BY
 DATE REVISED



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	34	84

Signature: *Ray I. Desselles*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

REFER TO LD-4
 RETAINING WALL HEIGHT TRANSITION
 TO EXISTING SLOPE PAVING DETAIL

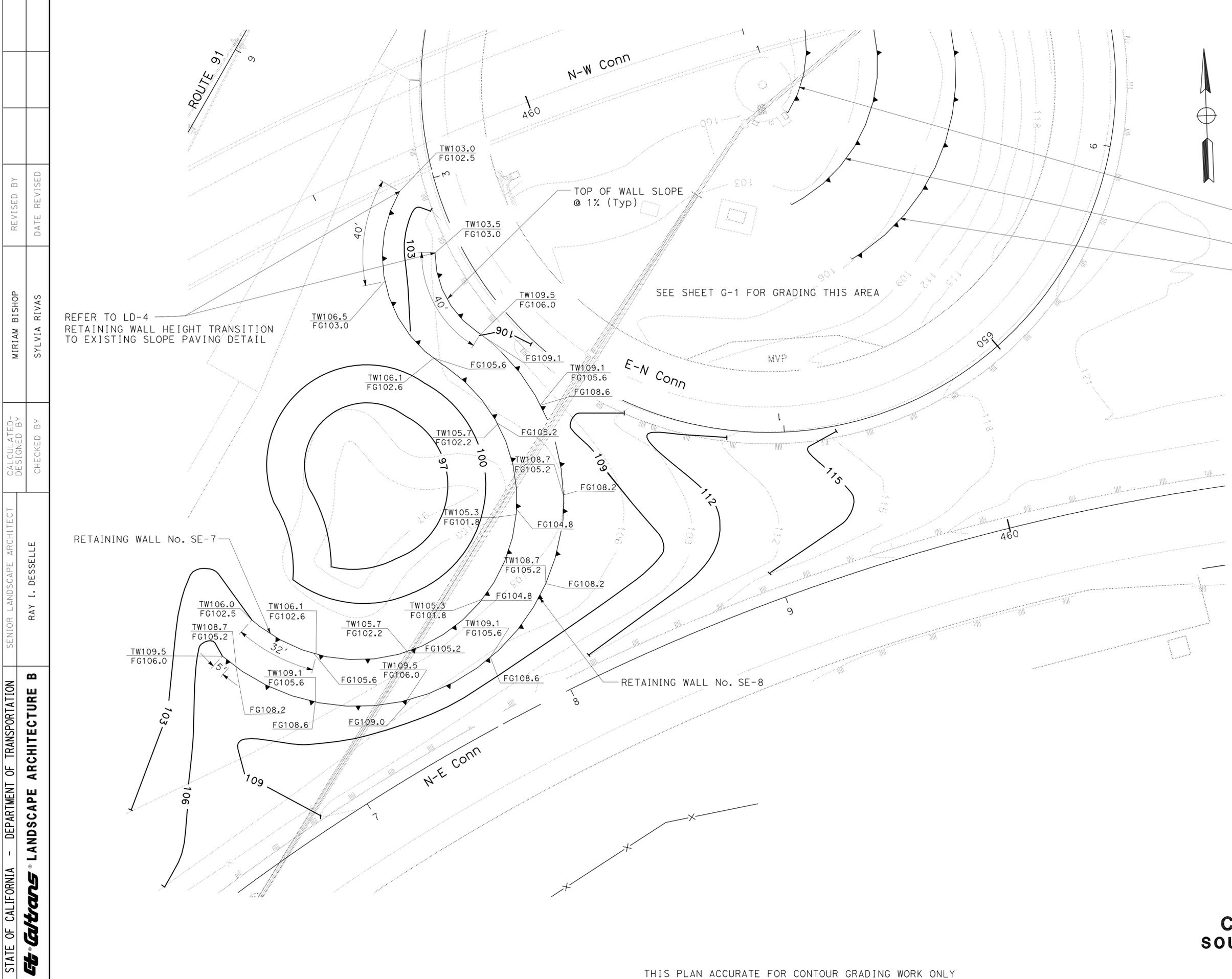
NOTES:
 ALL WALL ELEVATIONS ARE
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CONTOURS ARE AT 3 FEET INTERVALS
 FROM AS BUILT GRADING (EA 33484):
 262= 97
 264=100
 265=103
 266=106
 267=109
 268=112
 269=115
 270=118
 271=121

**CONTOUR GRADING
 SOUTH WEST QUADRANT**
 SCALE: 1" = 20'
G-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	35	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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- RETAINING WALL No. SE-6
- RETAINING WALL No. SE-5
- RETAINING WALL No. SE-4

NOTES:
 ALL WALL ELEVATIONS ARE 40 FEET APART UNLESS OTHERWISE SHOWN
 CONTOURS ARE AT 3 FEET INTERVALS FROM AS BUILT GRADING (EA 33484):
 263= 97
 264=100
 265=103
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 267=109
 268=112
 269=115
 270=118
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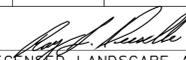
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT RAY I. DESSELLE
 MIRROR BISHOP SYLVIA RIVAS
 REVISIONS BY DATE
 CALCULATED/DESIGNED BY CHECKED BY

CONTOUR GRADING
SOUTH EAST QUADRANT-B
 SCALE: 1" = 20'
G-5

LAST REVISION DATE PLOTTED => 13-MAY-2010
 04-08-10 TIME PLOTTED => 07:31

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 CALCULATED, DESIGNED BY
 CHECKED BY
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	36	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE

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EARTH WORK QUANTITIES

SHEET No.	AREAS	IMPORTED BORROW	STRUCTURE EXCAVATION	ROADWAY EXCAVATION
		CY	CY	CY
G-1	SOUTH EAST QUADRANT- A	593	3091	1980
G-2	NORTH EAST QUADRANT	652	3400	2178
G-3	NORTH WEST QUADRANT	1126	5873	3762
G-4	SOUTH WEST QUADRANT	356	1855	1188
G-5	SOUTH EAST QUADRANT- B	237	1237	792
TOTAL		2964	15,456	9900

MINOR CONCRETE (CURB)

AREA	LF
AREA 1	3058
AREA 2	1746
AREA 3	3261
AREA 4	925
TOTAL	8990

RETAINING WALLS

RETAINING WALL No.	LINEAR FEET (LF)
SW-1	318.15
SW-2	319.00
SW-3	316.44
SE-4	207.93
SE-5	251.10
SE-6	270.40
SE-7	309.78
SE-8	325.33
NW-9	267.92
NW-10	306.94
NW-11	330.55
NE-12	178.85
NE-13	212.56
NE-14	231.81
TOTAL	3846.76

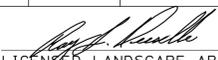
TEMPORARY WATER POLLUTION CONTROL

ITEM	UNIT	QUANTITY
TEMPORARY FIBER ROLL	LF	22,900
TEMPORARY CONSTRUCTION ENTRANCE	EA	6
TEMPORARY COVER	SQYD	30
TEMPORARY DRAINAGE INLET PROTECTION	EA	12

SUMMARY OF QUANTITIES

Q-1

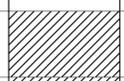
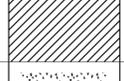
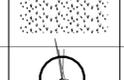
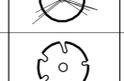
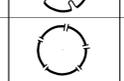
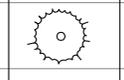
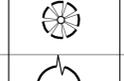
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	37	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE



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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	COMMERCIAL FERTILIZER 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				
B	1	⊕	<u>BOUGAINVILLEA</u> <u>MONETH</u>	PURPLE QUEEN BOUGAINVILLEA	No. 5	1081	②	②	I	—	1CF	¼ LB	¼ LB	—	—	④	10	④	④	④	④	④	6.5	⑫ SHRUB		
H	3		<u>CARPOBROTUS</u> <u>EDULIS</u>	HOTTENTOT FIG	CUTTING	34,356	—	—	—	—	—	15 LB/1000 SQFT	15 LB/1000 SQFT	—	—	④	④	④	④	④	④	④	1.5	GROUNDCOVER		
F	4		<u>OSTEOSPERMUM</u> <u>FRUTICOSUM</u>	TRAILING AFRICAN DAISY	IN FLATS	34,356	—	—	—	—	—	15 LB/1000 SQFT	15 LB/1000 SQFT	—	—	④	④	④	④	④	④	④	1.5	GROUNDCOVER		
I	5		<u>NASSELLA</u> <u>TENUISSIMA</u>	MEXICAN FEATHER GRASS	2" POT	12,387	②	②	I	—	—	—	—	—	—	④	④	④	④	④	④	④	1.5	GROUNDCOVER		
U	6		<u>KOELREUTERIA</u> <u>BIPINNATA</u>	CHINESE FLAME TREE	No. 15	15	②	②	I	—	2CF	½ LB	½ LB	—	⑥ ⑦	30⑨	—	④	④	④	④	④	④	④	④	TREE STANDARD
	7		<u>LIQUIDAMBAR</u> <u>STYRACIFLUA</u>	AMERICAN SWEET GUM	No. 15	13	②	②	I	—	2CF	½ LB	½ LB	—	⑥ ⑦	30⑨	—	④	④	④	④	④	④	④	④	TREE STANDARD
	8		<u>PLATANUS</u> <u>ACERIFOLIA</u>	LONDON PLANE TREE	No. 15	43	②	②	I	—	2CF	½ LB	½ LB	—	⑥ ⑦	30⑨	—	④	④	④	④	④	④	④	④	TREE STANDARD
	9		<u>LAGERSTROEMIA</u> <u>INDICA</u>	CRAPE MYRTLE	No. 15	69	②	②	I	—	2CF	½ LB	½ LB	—	⑥ ⑦	20⑨	—	④	④	④	④	④	④	④	④	⑪ TREE STANDARD
Z-1	10		<u>PHOENIX</u> <u>CANARIENSIS</u>	CANARY ISLAND PALM	6 FT ⑩	47	⑥	⑥	I	—	2CF	½ LB	½ LB	—	—	30⑨	—	④	④	④	④	④	④	④	⑧ PALM	
Z-2	11		<u>WASHINGTONIA</u> <u>ROBUSTA</u>	MEXICAN FAN PALM	8 FT ⑩	179	⑥	⑥	I	—	2CF	½ LB	½ LB	—	—	30⑨	—	④	④	④	④	④	④	④	⑧ PALM	

- 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 - SKINNED
 - ⑨ - UNLESS LOCATED BEHIND RETAINING WALL OR METAL BEAM GUARD RAIL
 - ⑩ - TRUNK HEIGHT FROM FINISHED GRADE
 - ⑪ - TRUNK SHALL BE 2" THICK
 - ⑫ - SHALL BE OF THE PURPLE IN COLOR

- LEGEND:**
-  EXISTING PHOENIX CANARIENSIS TO BE TRANSPLANTED
 -  TRANSPLANTED PHOENIX CANARIENSIS LOCATION
 -  MULCH (4" THICK) (SEE PLAN)
 -  RETAINING WALL (TYPE 6B) (SEE PLAN)
 -  MINOR CONCRETE (CURB) (SEE PLAN)

NOTE:
 UNDERLINED PORTIONS OF BOTANICAL NAME INDICATE ABBREVIATIONS USED ON PLANTING PLANS.

PLANT LIST PL-1

LAST REVISION | DATE PLOTTED => 12-MAY-2010 | TIME PLOTTED => 12:47

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

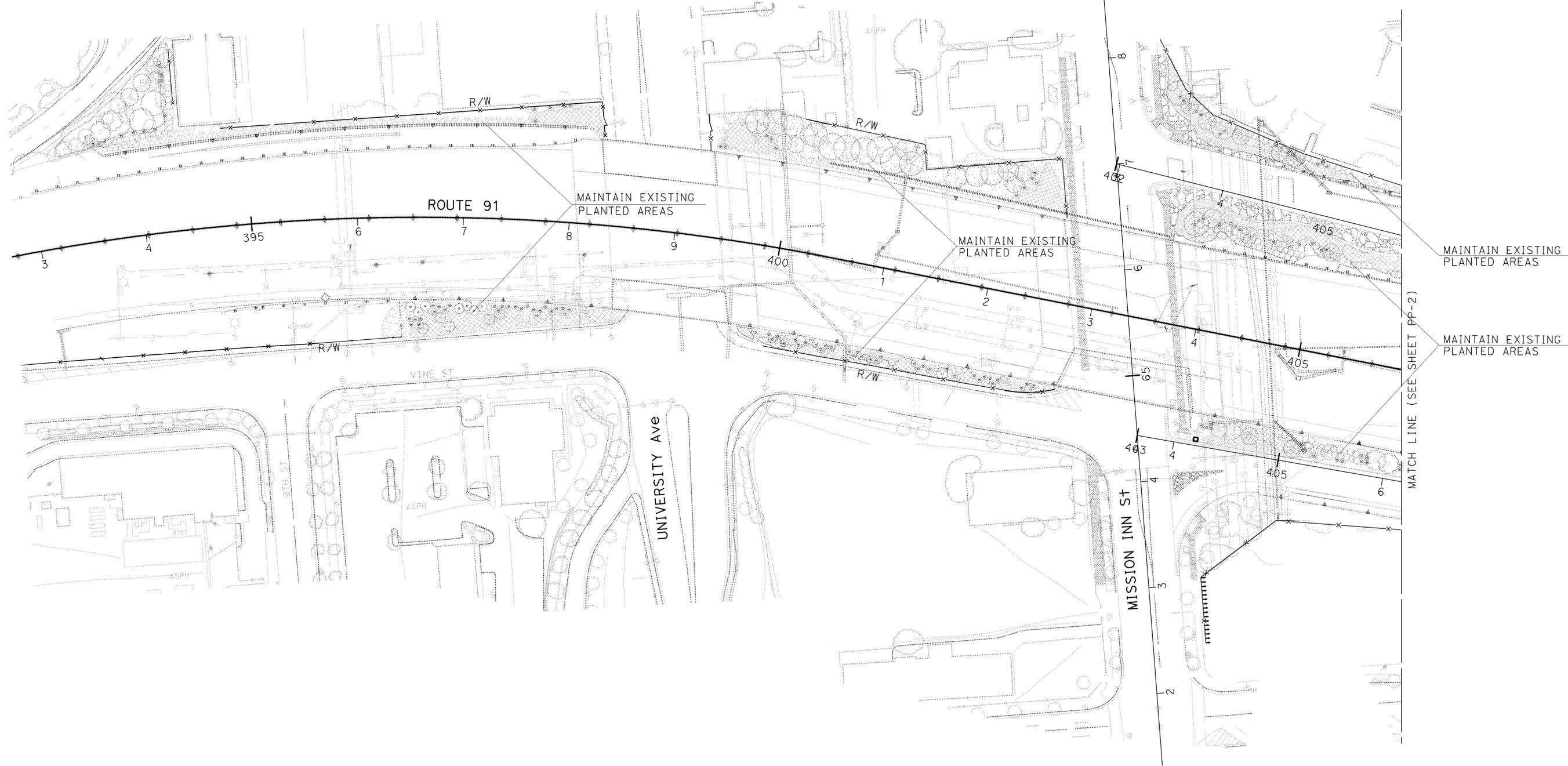
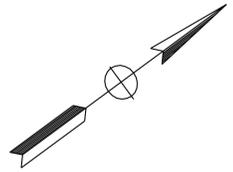
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	38	84

Ray I. Deselle
LICENSED LANDSCAPE ARCHITECT

5-10-10
PLANS APPROVAL DATE

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

LICENSED LANDSCAPE ARCHITECT
RAY I. DESSELLE No. 21572
Signature: 11/30/11
Renewal Date: 04-08-10
Date



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT
RAY I. DESSELLE

CALCULATED/DESIGNED BY
CHECKED BY

SYLVIA RIVAS
MICHAEL BABICH

REVISED BY
DATE REVISED

**PLANTING PLAN AND
EXISTING UTILITIES**
SCALE: 1" = 50'
PP-1

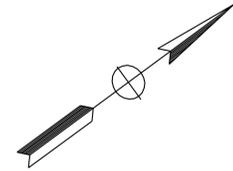
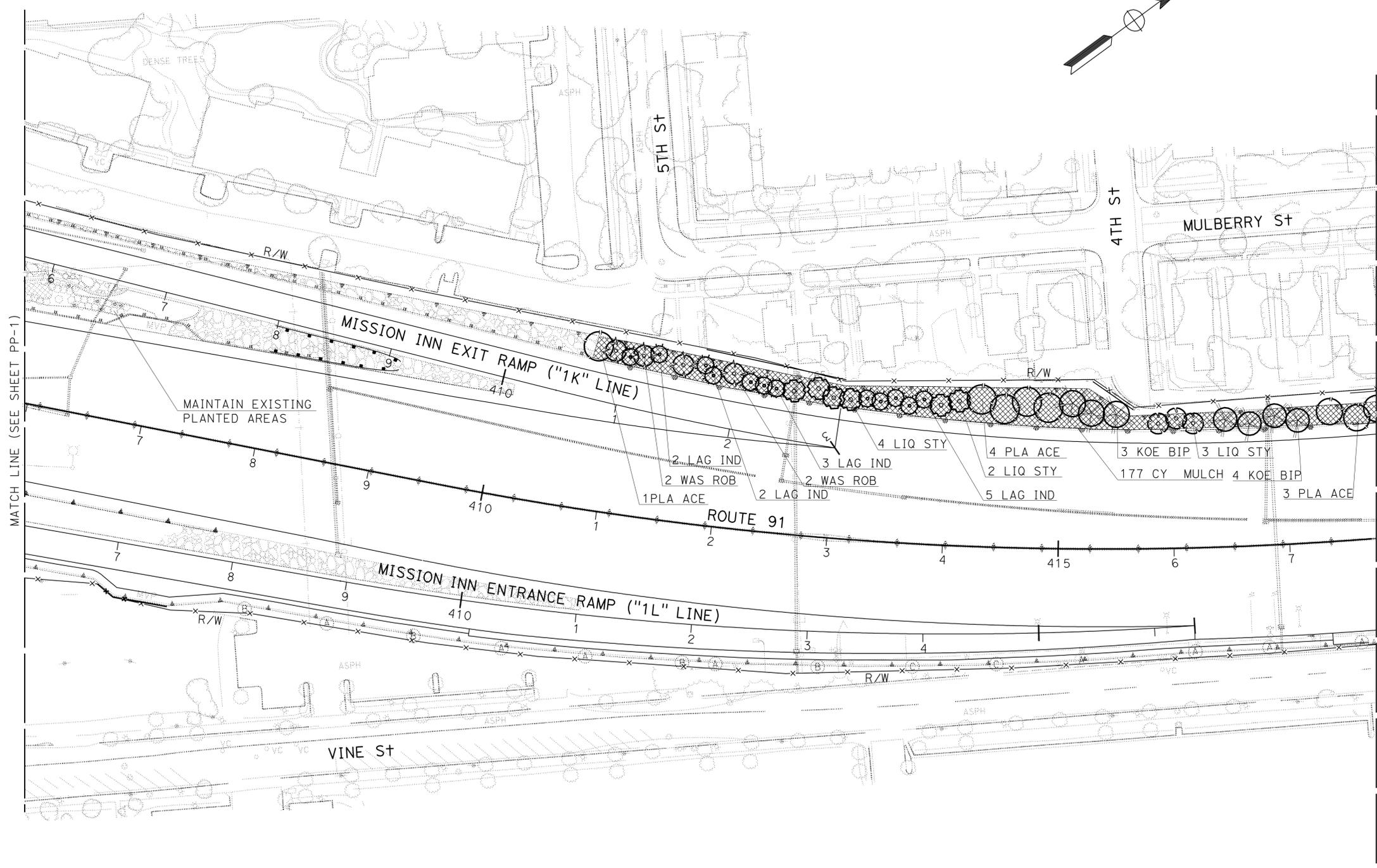
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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Ray I. Deselle
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE

CALCULATED/DESIGNED BY
 CHECKED BY

SYLVIA RIVAS
 MICHAEL BABICH

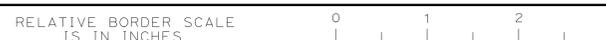
REVISED BY
 DATE REVISED

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PLANTING PLAN AND EXISTING UTILITIES

SCALE: 1" = 50'

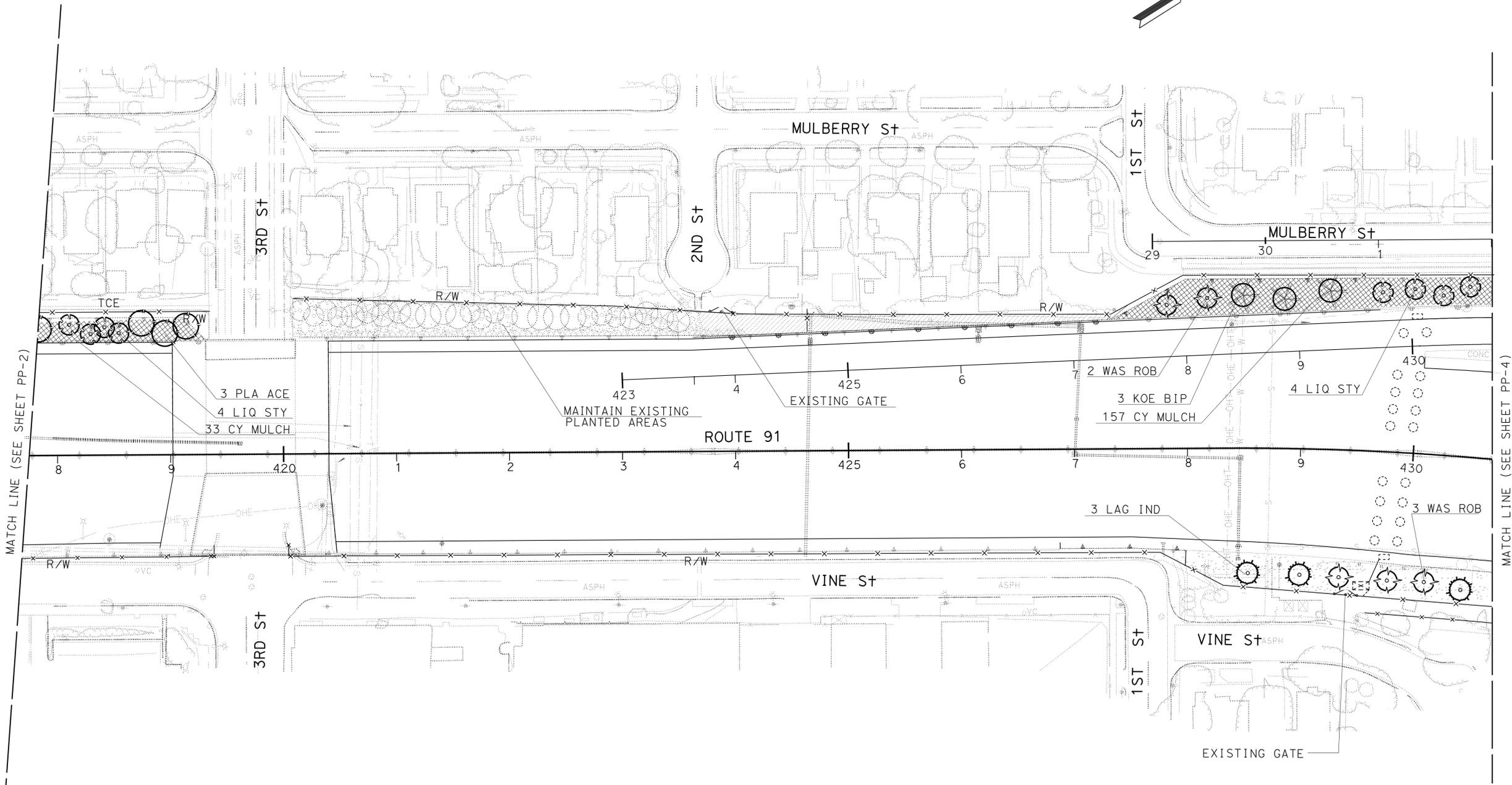
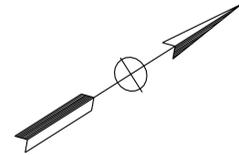
PP-2



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	40	84

<i>Ray I. Deselle</i> LICENSED LANDSCAPE ARCHITECT	
5-10-10	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: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



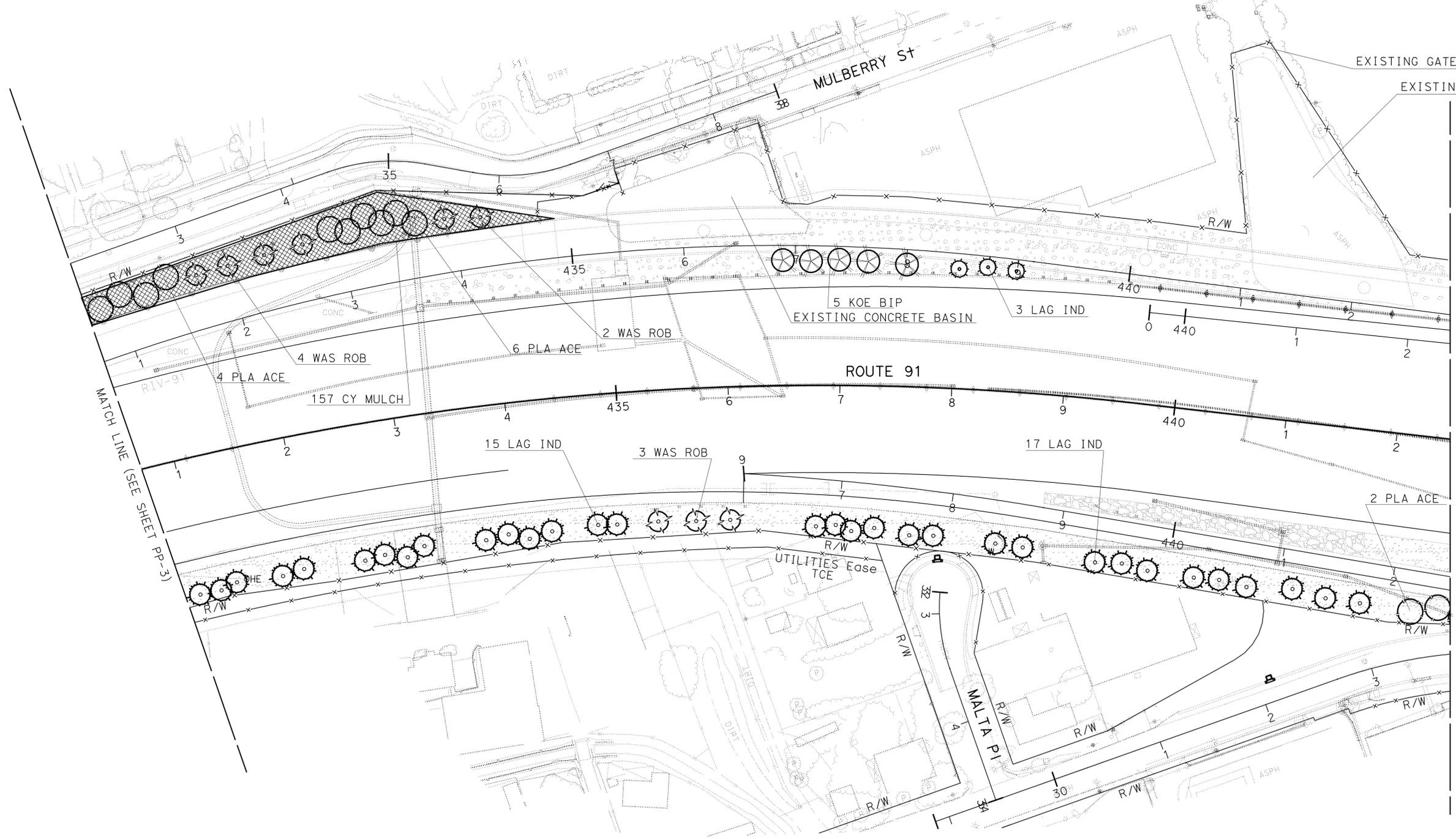
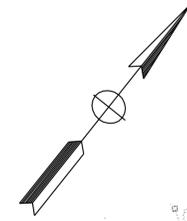
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT RAY I. DESSELLE
 CALCULATED/DESIGNED BY
 CHECKED BY
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY
 DATE REVISED

PLANTING PLAN AND EXISTING UTILITIES
 SCALE: 1" = 50'
PP-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	41	84

<i>Ray I. Deselle</i> LICENSED LANDSCAPE ARCHITECT	
5-10-10	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: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT: RAY I. DESSELLE
 CALCULATED/DESIGNED BY: RAY I. DESSELLE
 CHECKED BY: MICHAEL BABICH
 SYLVIA RIVAS
 REVISOR: MICHAEL BABICH
 DATE REVISOR: [blank]

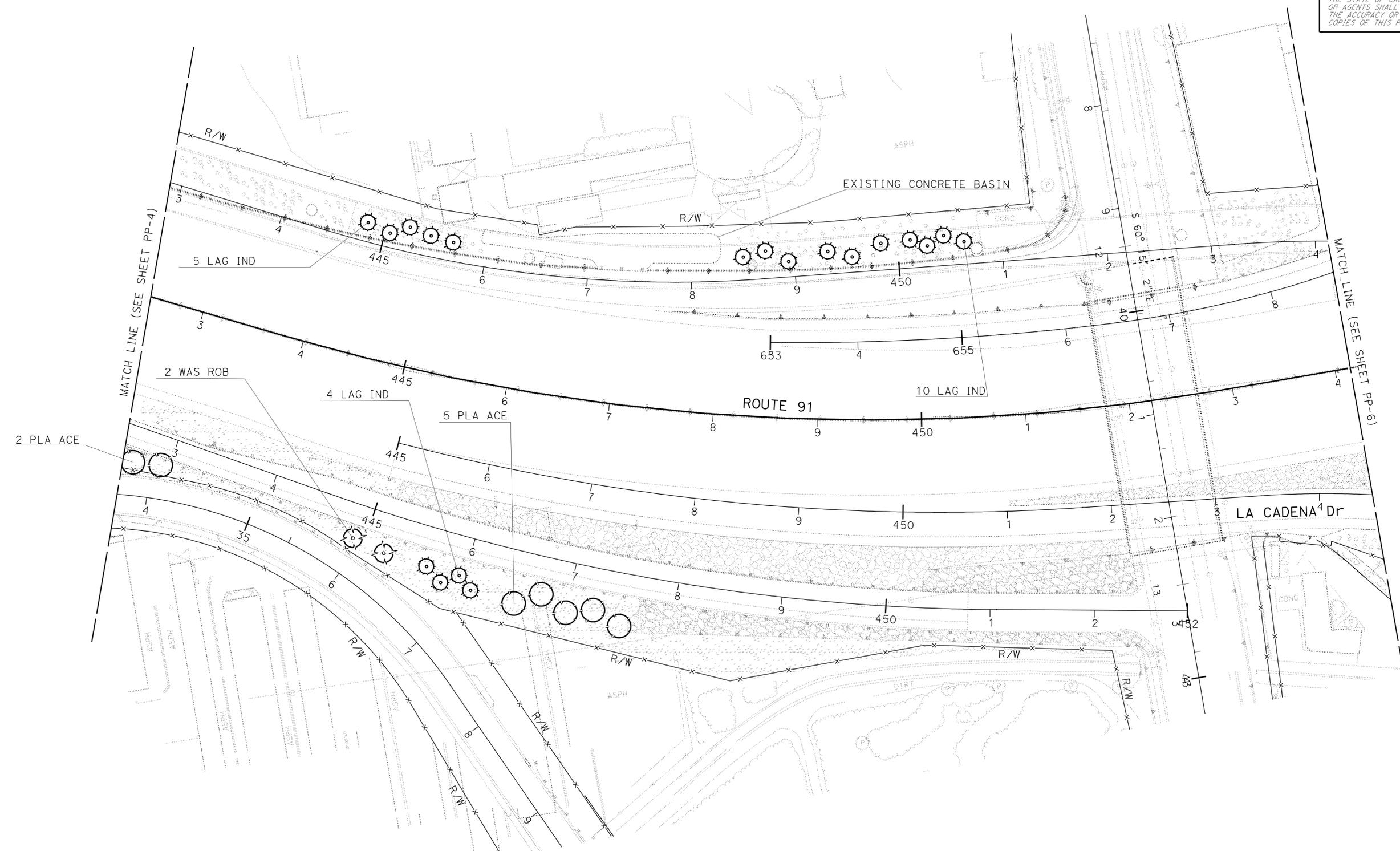
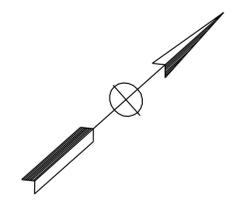
PLANTING PLAN AND EXISTING UTILITIES
 SCALE: 1" = 50'
PP-4

THIS PLAN ACCURATE FOR PLANTING WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	42	84

Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

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



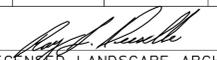
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT: RAY I. DESSELLE
 CALCULATED/DESIGNED BY: CHECKED BY:
 SYLVIA RIVAS MICHAEL BABICH
 REVISED BY: DATE REVISED:

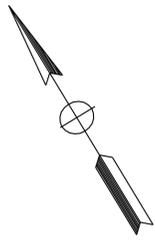
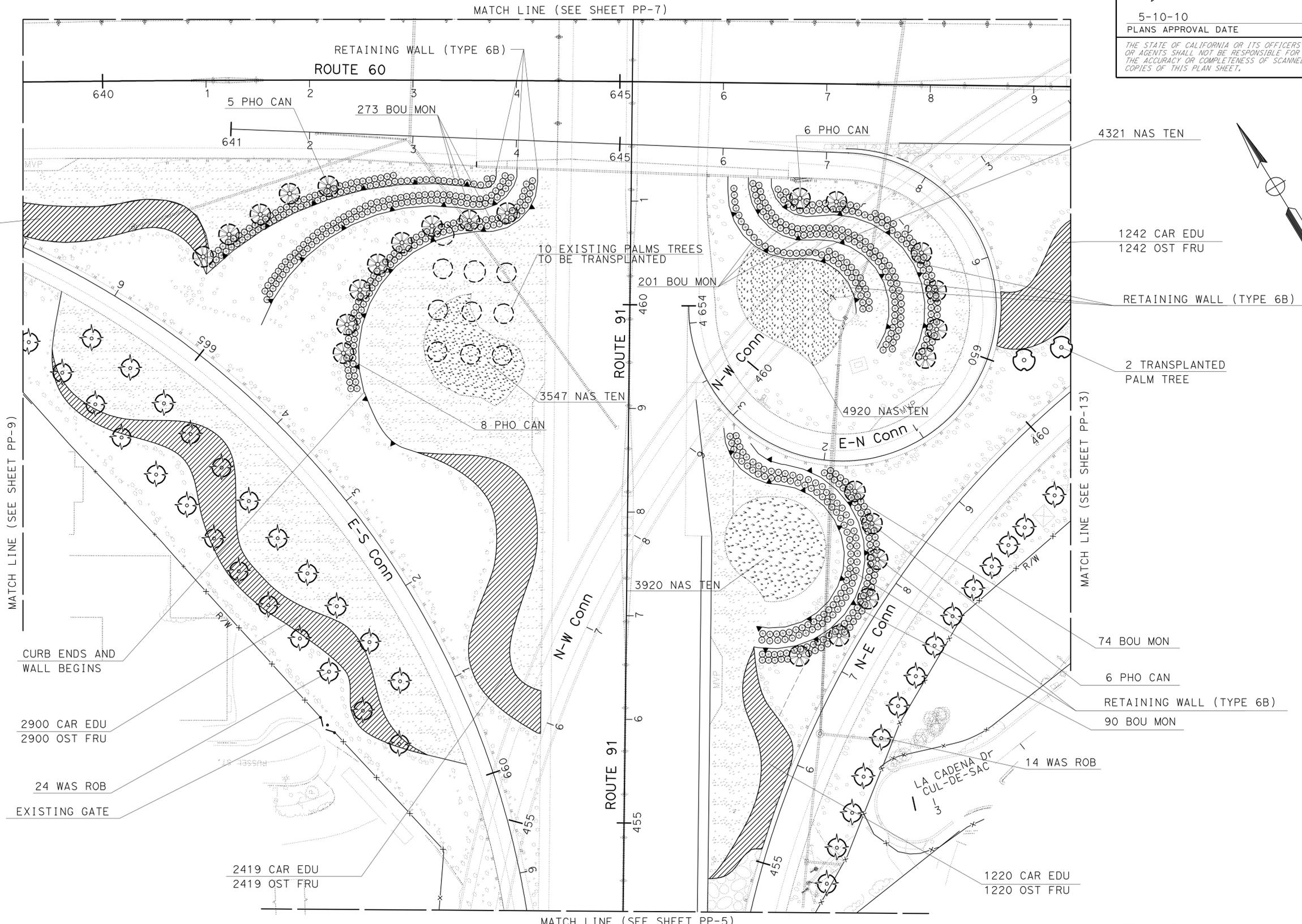
PLANTING PLAN AND EXISTING UTILITIES
 SCALE: 1" = 50'
PP-5

THIS PLAN ACCURATE FOR PLANTING WORK ONLY

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	43	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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 B

DESIGNED BY	RAY I. DESSELLE
CHECKED BY	
DESIGNED BY	RAY I. DESSELLE
CHECKED BY	
DESIGNED BY	SYLVIA RIVAS
CHECKED BY	MICHAEL BABICH
DESIGNED BY	
CHECKED BY	

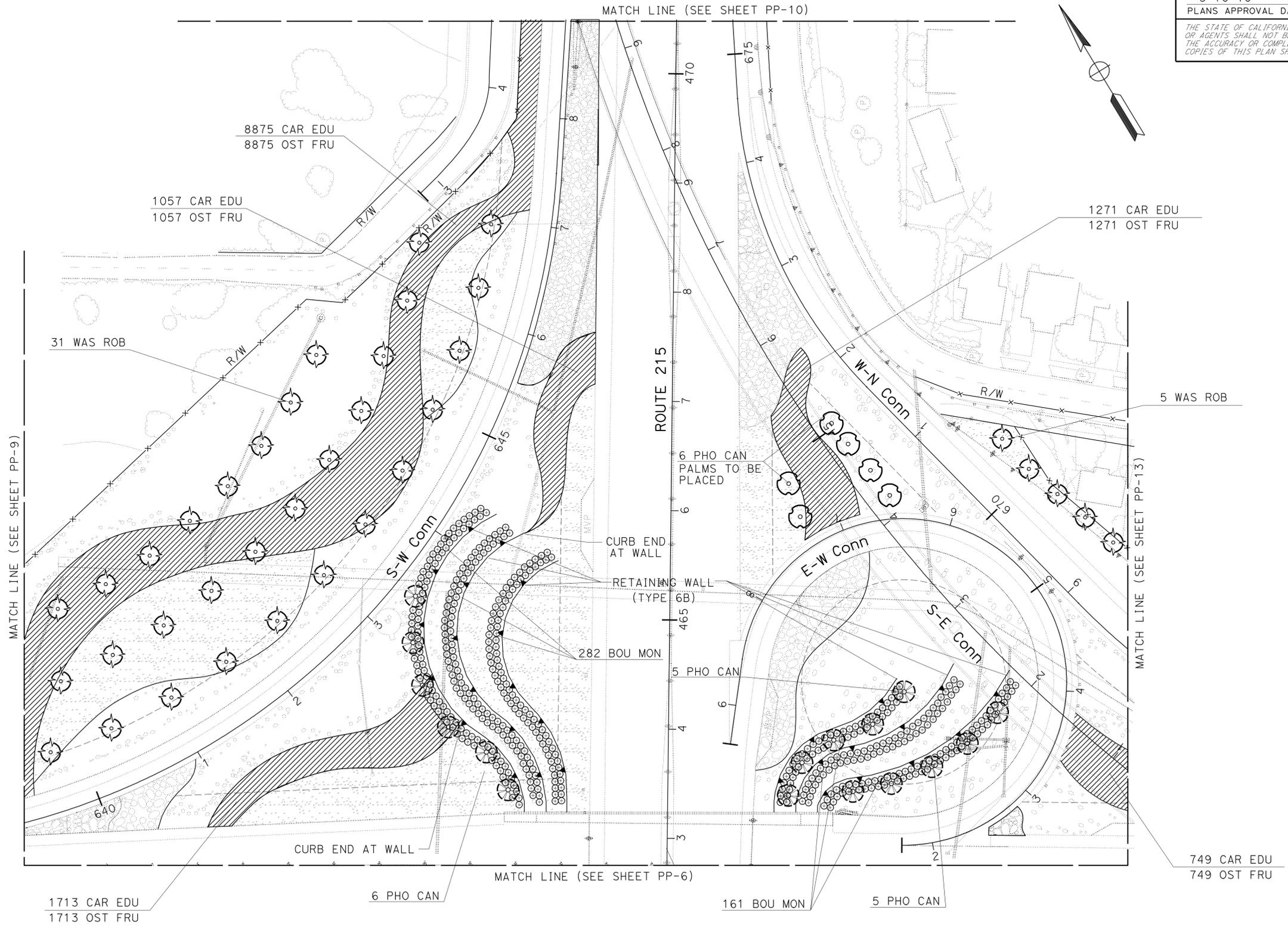
THIS PLAN ACCURATE FOR PLANTING WORK ONLY

**PLANTING PLAN AND
EXISTING UTILITIES**
SCALE: 1" = 50'
PP-6

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	44	84

<i>Ray I. Deselle</i> LICENSED LANDSCAPE ARCHITECT	
5-10-10 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: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	REVISOR
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	DATE REVISOR

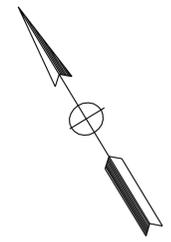
PLANTING PLAN AND EXISTING UTILITIES
SCALE: 1" = 50'
PP-7

THIS PLAN ACCURATE FOR PLANTING WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	45	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	SYLVIA RIVAS	
			MICHAEL BABICH	

PLANTING PLAN AND EXISTING UTILITIES
 SCALE: 1" = 50' **PP-8**

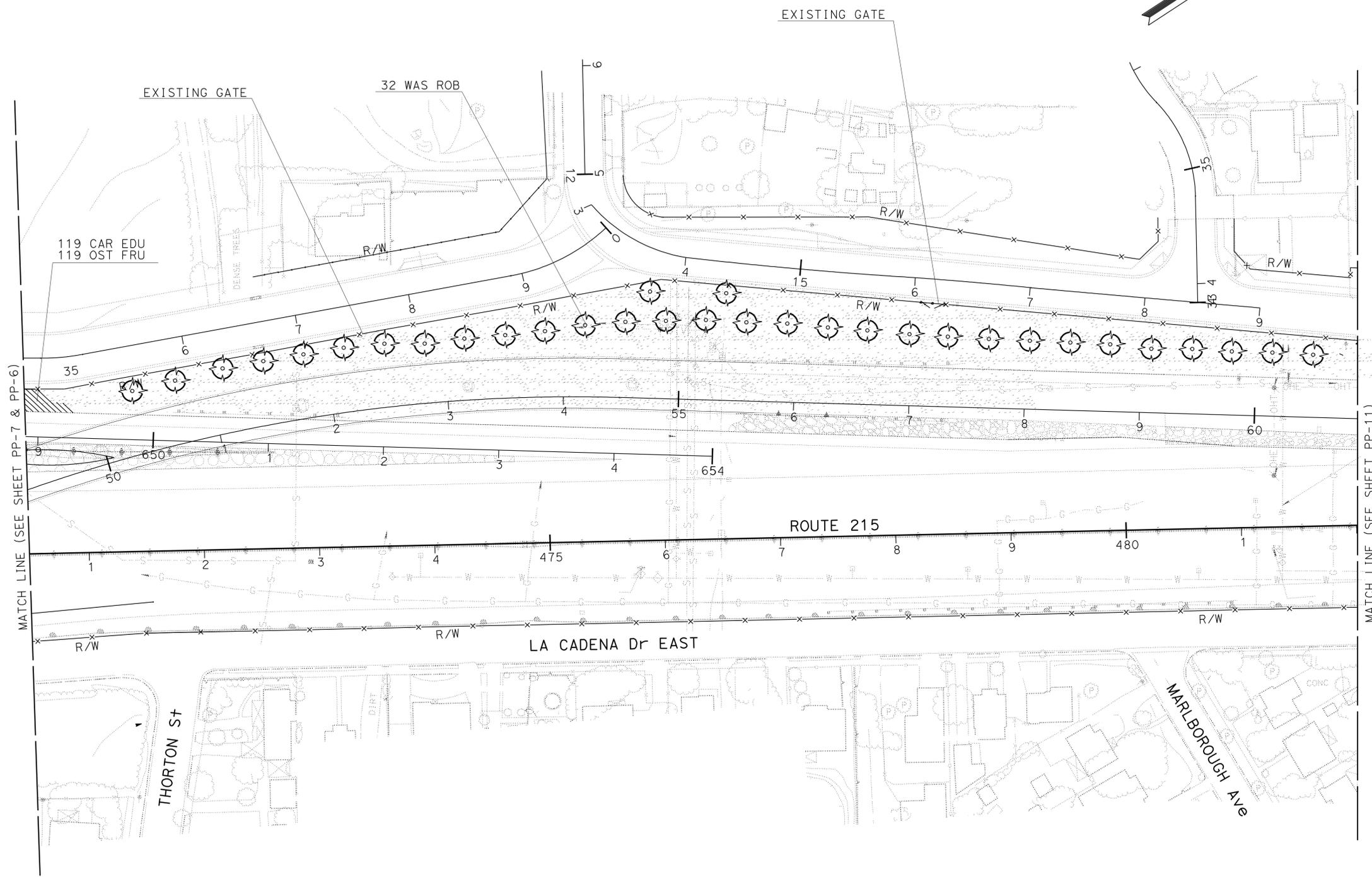
THIS PLAN ACCURATE FOR PLANTING WORK ONLY

LAST REVISION: 04-08-10 DATE PLOTTED => 12-MAY-2010 TIME PLOTTED => 14:09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	47	84

Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT	RAY I. DESSELLE
CALCULATED/DESIGNED BY	CHECKED BY
SYLVIA RIVAS	MICHAEL BABICH
REVISED BY	DATE REVISED

THIS PLAN ACCURATE FOR PLANTING WORK ONLY

PLANTING PLAN AND EXISTING UTILITIES
 SCALE: 1" = 50' **PP-10**



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	48	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	DESIGNED BY	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	SYLVIA RIVAS	
			MICHAEL BABICH	

PLANTING PLAN AND EXISTING UTILITIES

SCALE: 1" = 50'

PP-11

THIS PLAN ACCURATE FOR PLANTING WORK ONLY



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DGN FILE => 83348611011.dgn

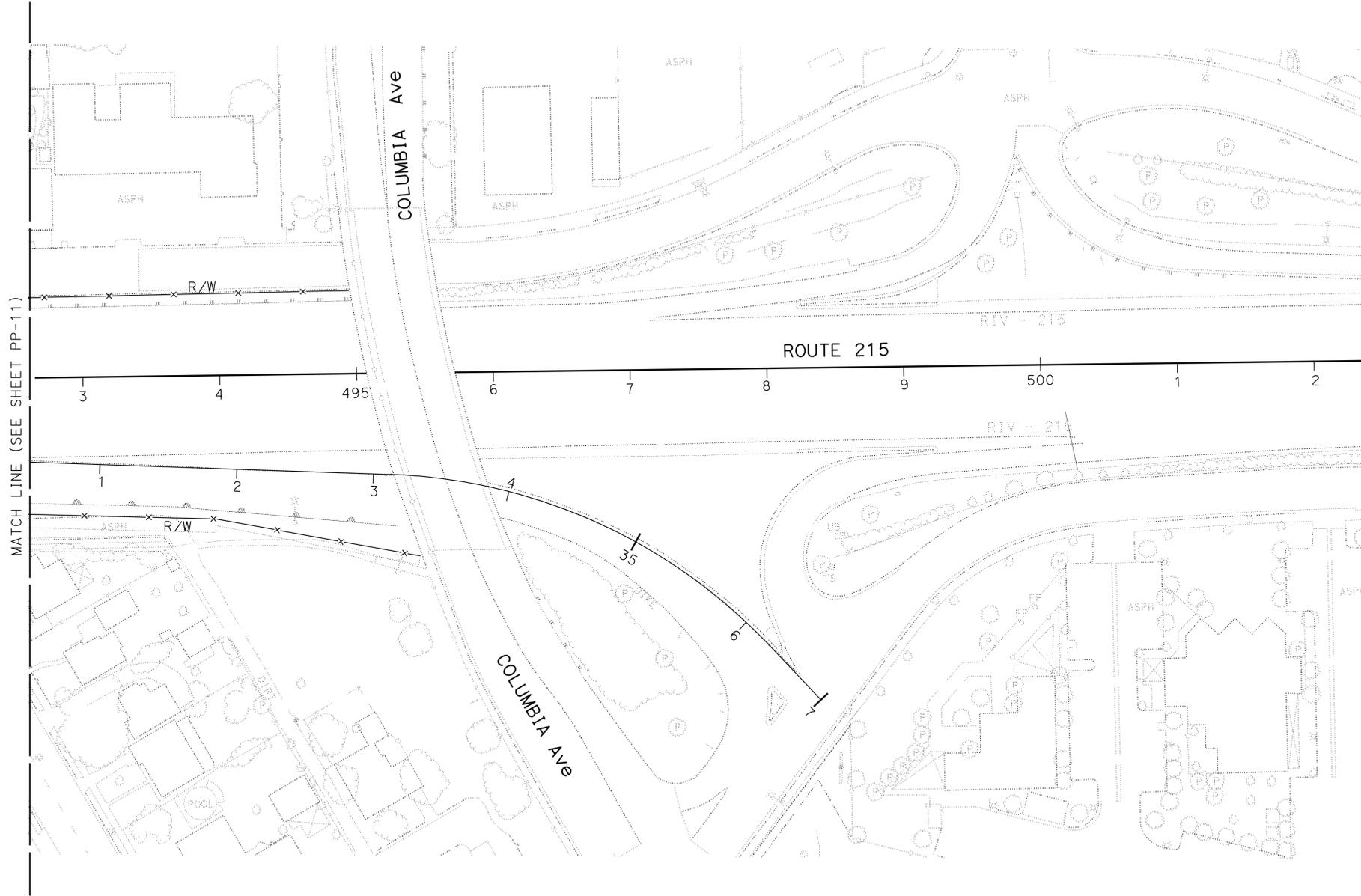
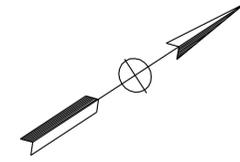
CU 08341

EA 334861

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	49	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

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



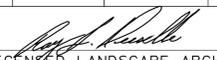
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	DESIGNED BY	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	SYLVIA RIVAS	5-10-10
			MICHAEL BABICH	

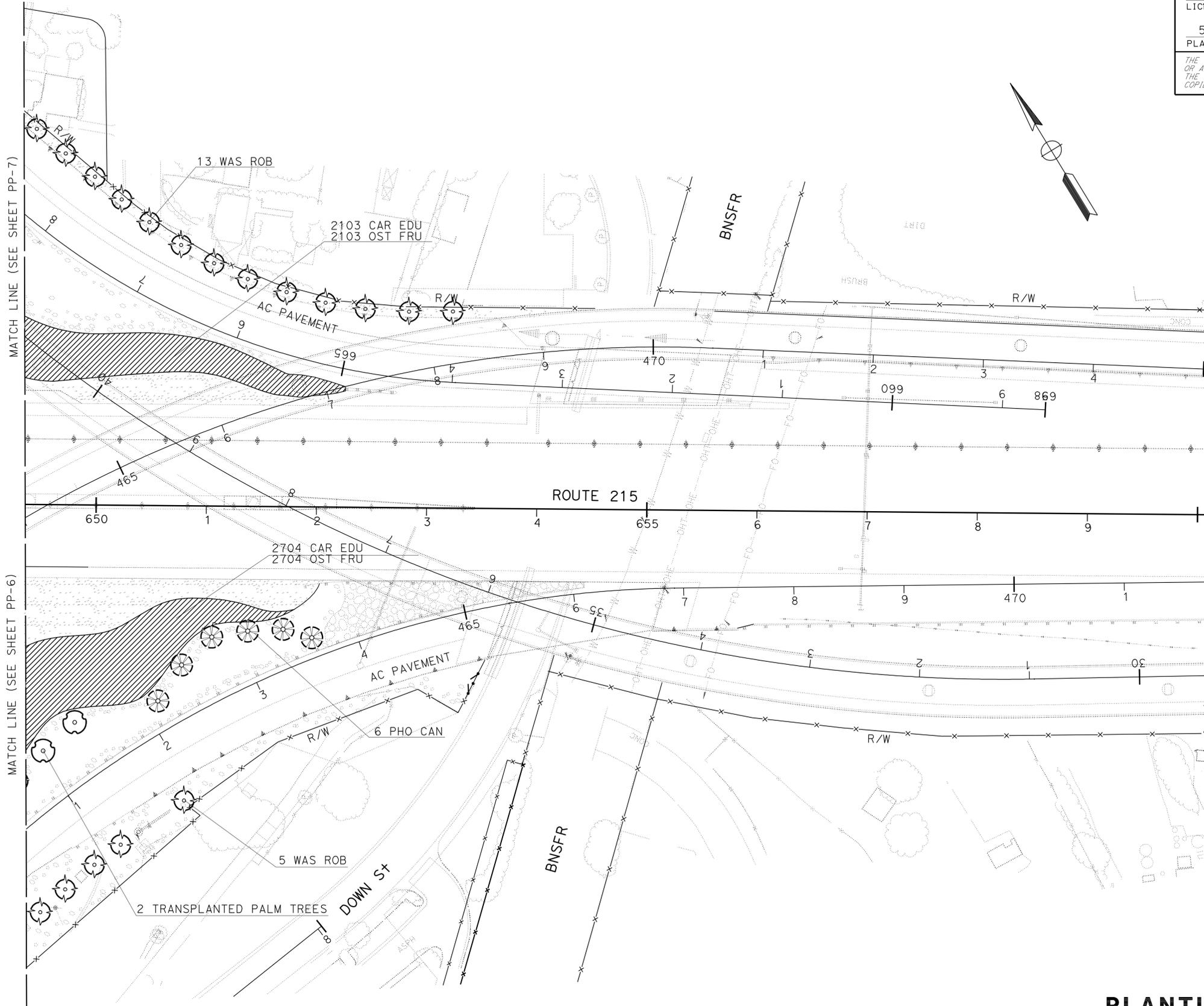
PLANTING PLAN AND EXISTING UTILITIES
 SCALE: 1" = 50' **PP-12**

LAST REVISION | DATE PLOTTED => 12-MAY-2010 | 04-08-10 | TIME PLOTTED => 11:35

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	50	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

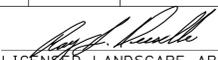



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT RAY I. DESSELLE
 CALCULATED/DESIGNED BY CHECKED BY
 SYLVIA RIVAS MICHAEL BABICH
 REVISED BY DATE REVISED
 x
 x
 x
 x
 x

**PLANTING PLAN AND
EXISTING UTILITIES**
 SCALE: 1" = 50'
PP-13

THIS PLAN ACCURATE FOR PLANTING WORK ONLY

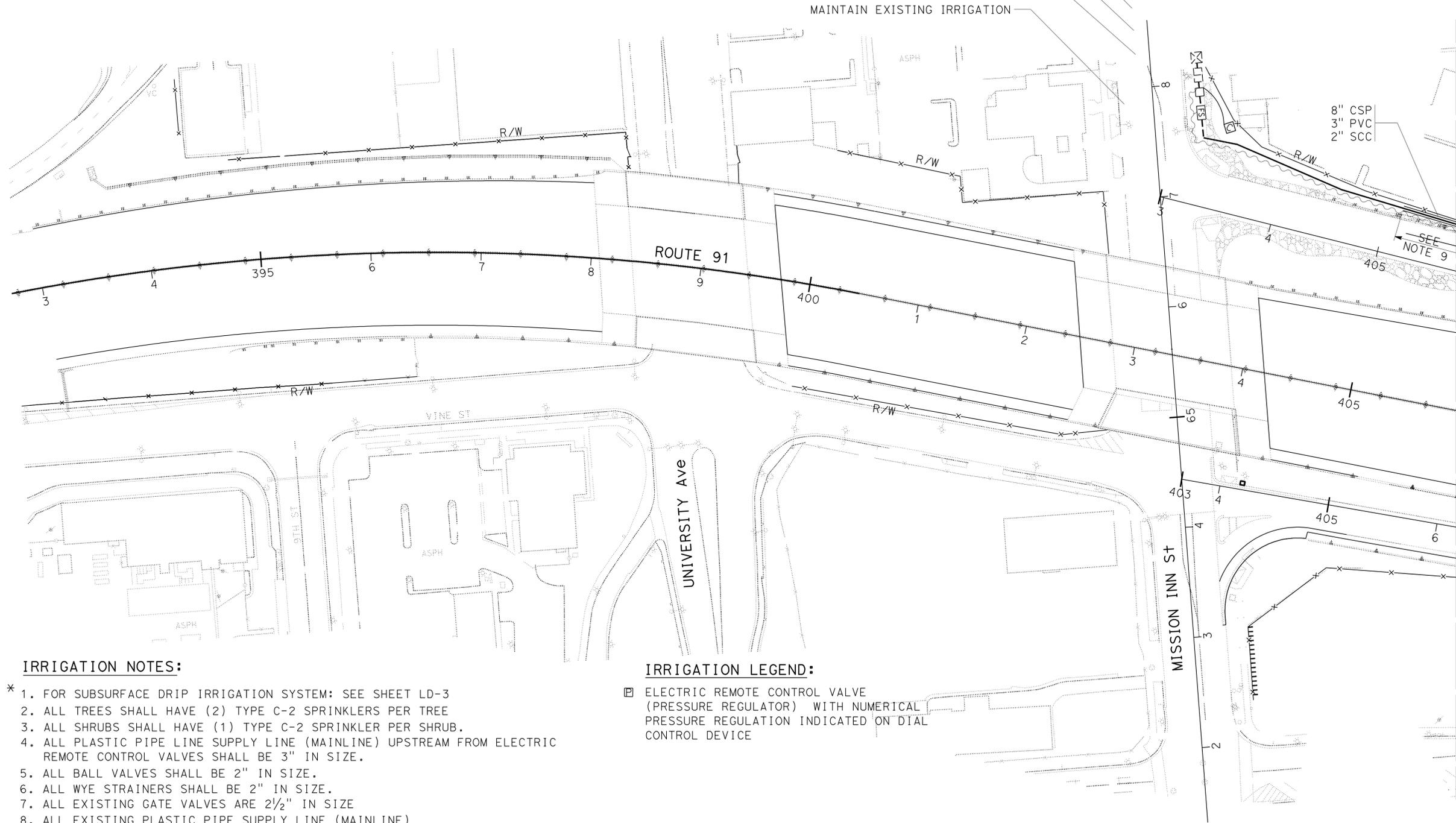
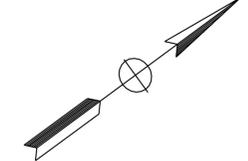
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	51	84

 LICENSED LANDSCAPE ARCHITECT		
5-10-10 PLANS APPROVAL DATE		

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

- 1" WATER METER (EXISTING)
- 1" BPAE (EXISTING)
- 1 1/2" RCVM
- 1 1/2" FLOW SENSOR



IRRIGATION NOTES:

- * 1. FOR SUBSURFACE DRIP IRRIGATION SYSTEM: SEE SHEET LD-3
- 2. ALL TREES SHALL HAVE (2) TYPE C-2 SPRINKLERS PER TREE
- 3. ALL SHRUBS SHALL HAVE (1) TYPE C-2 SPRINKLER PER SHRUB.
- 4. ALL PLASTIC PIPE LINE SUPPLY LINE (MAINLINE) UPSTREAM FROM ELECTRIC REMOTE CONTROL VALVES SHALL BE 3" IN SIZE.
- 5. ALL BALL VALVES SHALL BE 2" IN SIZE.
- 6. ALL WYE STRAINERS SHALL BE 2" IN SIZE.
- 7. ALL EXISTING GATE VALVES ARE 2 1/2" IN SIZE
- 8. ALL EXISTING PLASTIC PIPE SUPPLY LINE (MAINLINE) UPSTREAM FROM ELECTRIC REMOTE CONTROL VALVES ARE 3" IN SIZE.
- 9. REMOVE EXISTING ROCK BLANKET TO A DISTANCE OF 20" FROM THE FACE OF WALL.

IRRIGATION LEGEND:

-  ELECTRIC REMOTE CONTROL VALVE (PRESSURE REGULATOR) WITH NUMERICAL PRESSURE REGULATION INDICATED ON DIAL CONTROL DEVICE

IRRIGATION PLAN
SCALE: 1" = 50' **IP-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 CHECKED BY
 MICHAEL BABICH
 SYLVIA RIVAS
 REVISOR BY
 DATE REVISOR

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

RELATIVE BORDER SCALE
IS IN INCHES



USERNAME => trmikesl
DGN FILE => 833486+1001.dgn

CU 08341

EA 334861

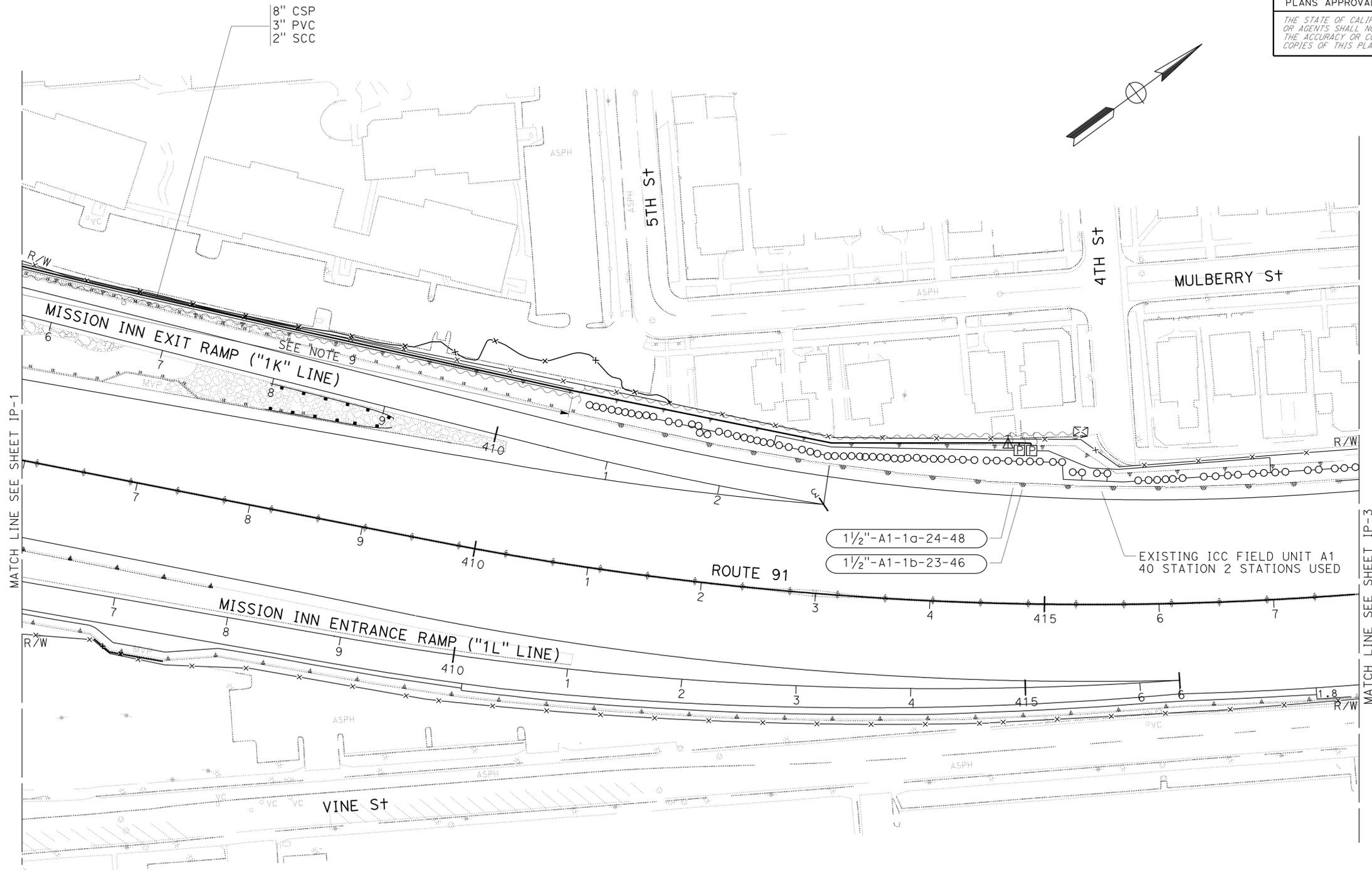
BORDER LAST REVISED 4/11/2008

LAST REVISION: DATE PLOTTED => 13-MAY-2010
 04-30-10 TIME PLOTTED => 10:44

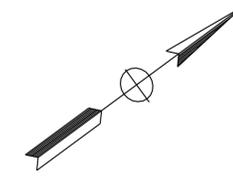
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	52	84

<i>Ray I. Deselle</i> LICENSED LANDSCAPE ARCHITECT	
5-10-10 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: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



8" CSP
3" PVC
2" SCC



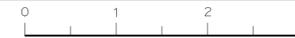
MATCH LINE SEE SHEET IP-1

MATCH LINE SEE SHEET IP-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	SYLVIA RIVAS	
	MICHAEL BABICH	
	RAY I. DESSELLE	
	CHECKED BY	
	DESIGNED BY	
	REVISOR	
	DATE	

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

RELATIVE BORDER SCALE
IS IN INCHES



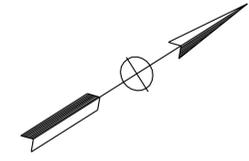
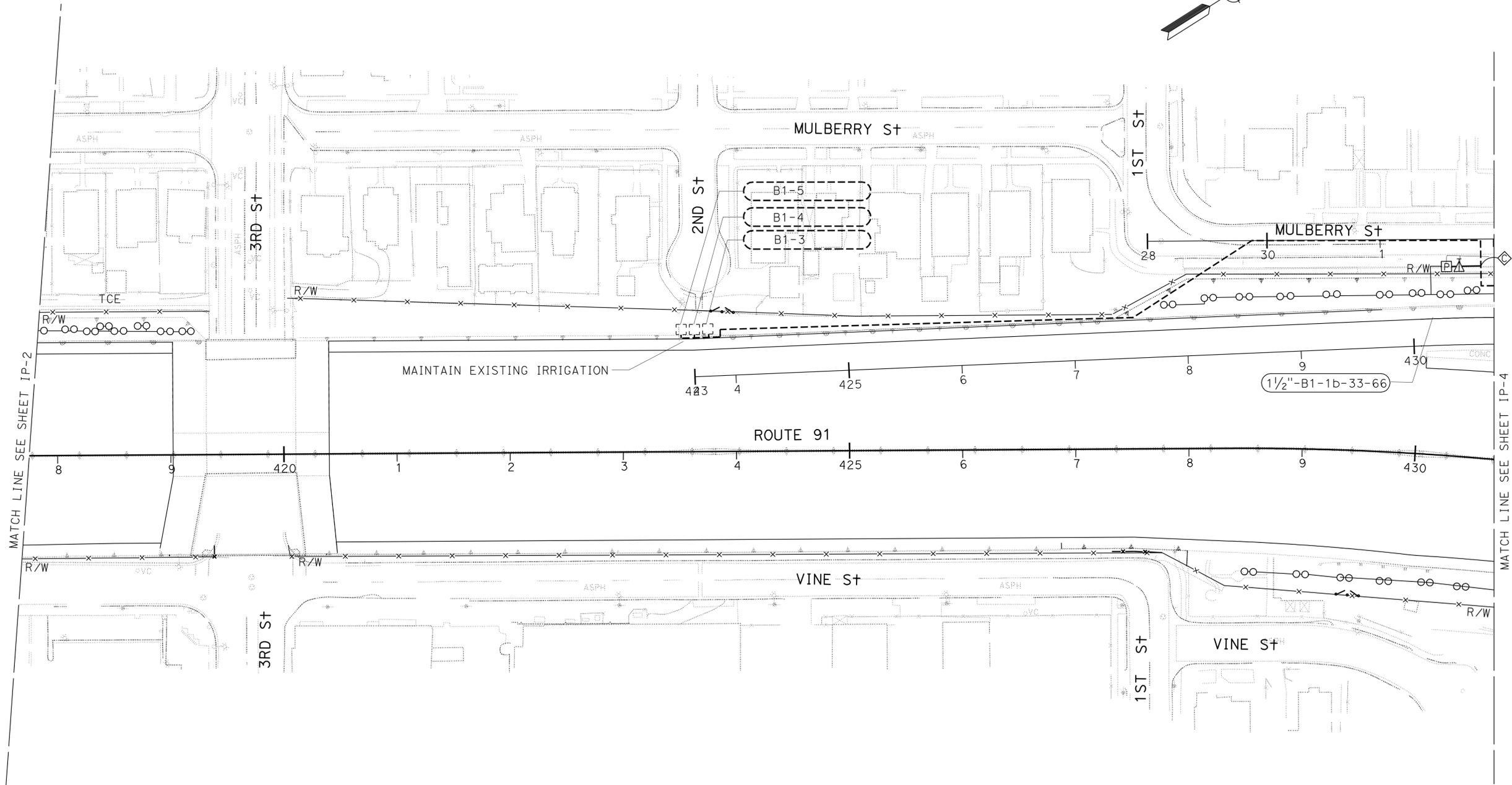
USERNAME => trmikes1
DGN FILE => 833486+1002.dgn

IRRIGATION PLAN
SCALE: 1" = 50'
IP-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	53	84

LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B

SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE

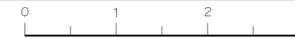
CALCULATED, DESIGNED BY
 CHECKED BY

SYLVIA RIVAS
 MICHAEL BABICH

REVISED BY
 DATE REVISED

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

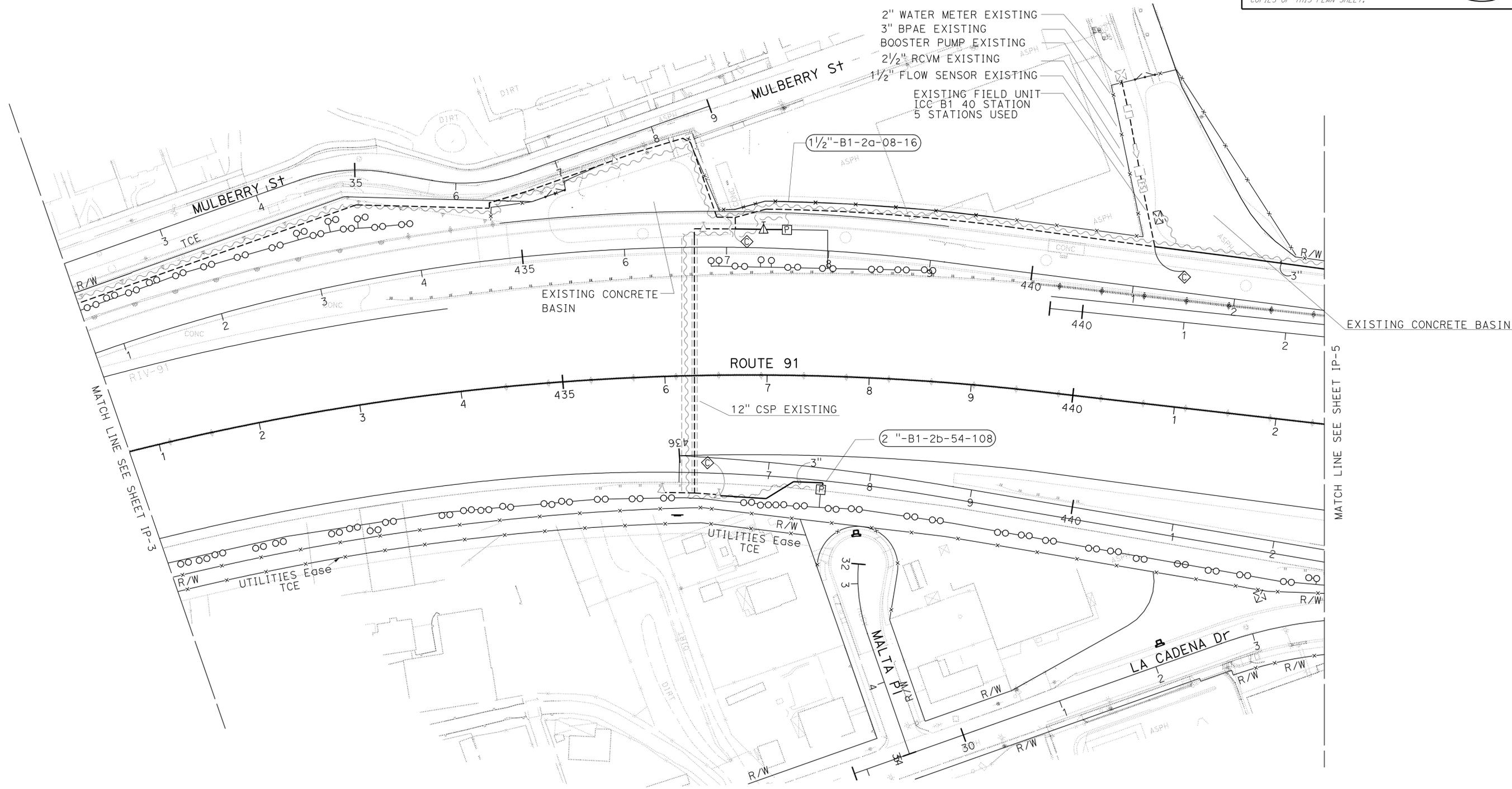
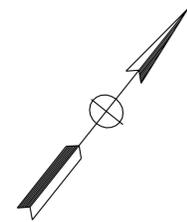
IRRIGATION PLAN
 SCALE: 1" = 50'
IP-3



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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	54	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT RAY I. DESSELLE
 CALCULATED, DESIGNED BY CHECKED BY
 SYLVIA RIVAS MICHAEL BABICH
 REVISED BY DATE REVISED

IRRIGATION PLAN
SCALE: 1" = 50' **IP-4**

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

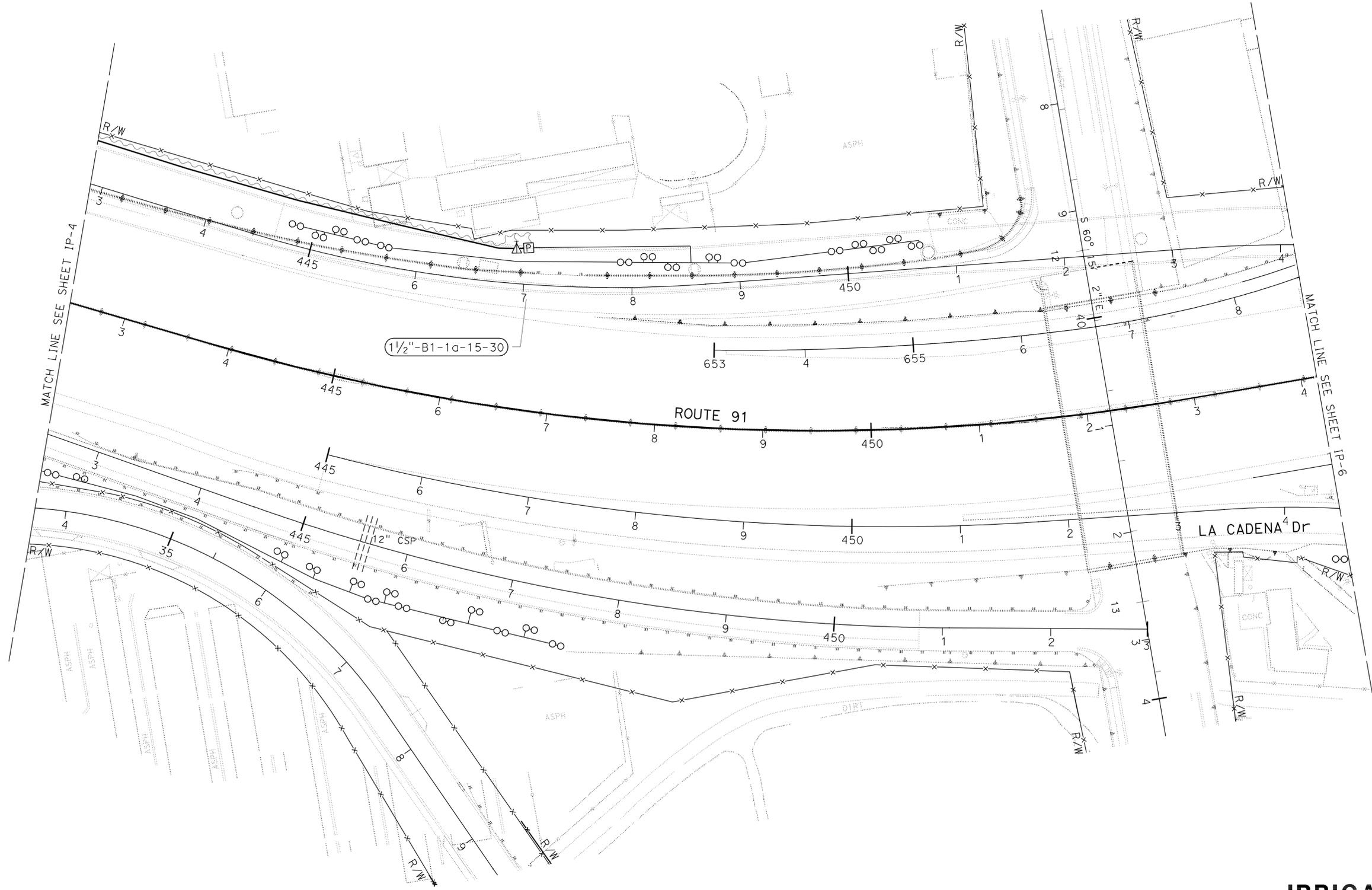
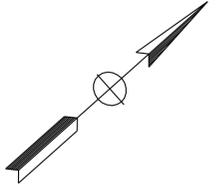
LAST REVISION: 04-08-10 DATE PLOTTED => 13-MAY-2010 TIME PLOTTED => 07:31

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	55	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE


THE STATE OF CALIFORNIA OR ITS OFFICERS
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COPIES OF THIS PLAN SHEET.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT: RAY I. DESSELLE
 CALCULATED/DESIGNED BY: RAY I. DESSELLE
 CHECKED BY: MICHAEL BABICH
 SYLVIA RIVAS
 REVISOR: MICHAEL BABICH
 DATE REVISOR:

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
SCALE: 1" = 50' **IP-5**

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	56	84

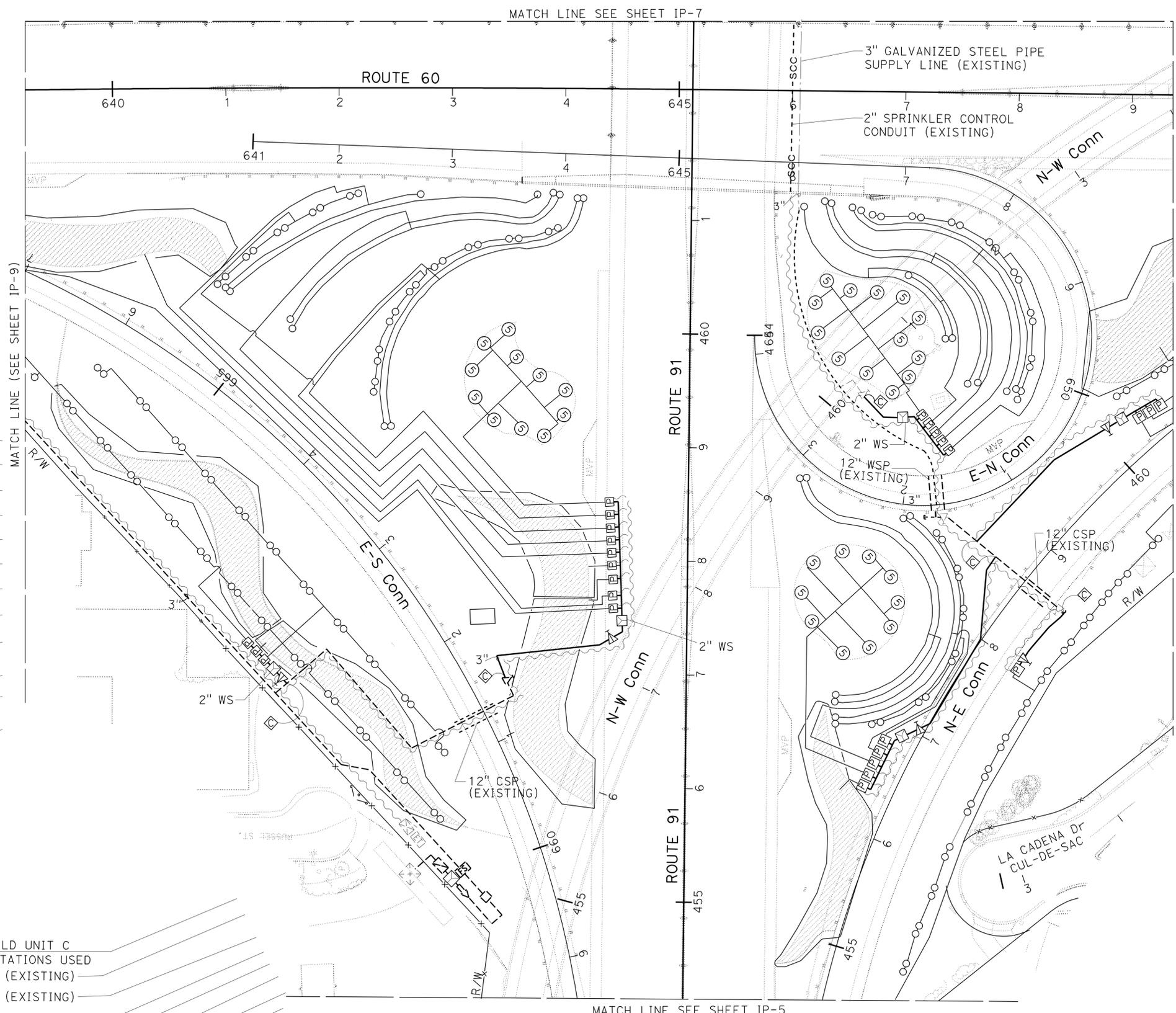

 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



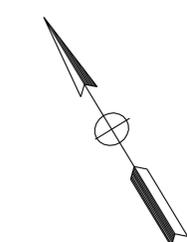
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 CHECKED BY
 MICHAEL BABICH
 SYLVIA RIVAS
 REVISOR BY
 DATE REVISOR

- 1/2"-C1-12-41-11
- 1"-C1-11a-13-26
- 1/2"-C1-10-46-91
- 1/2"-C1-9-49-97
- 1/2"-C1-8-43-85
- * 1/2"-C1-7-40
- * 1/2"-C1-6-65
- * 1/2"-C1-5-59
- * 1/2"-C1-4-50
- * 1/2"-C1-3-67
- * 1/2"-C1-2-68
- 1/2"-C1-1-26-52

- EXISTING ICC FIELD UNIT C
- 40 STATION 14 STATIONS USED
- ET GAUGE (EXISTING)
- 2" WATER METER (EXISTING)
- 3" BPAE (EXISTING)
- 2" WS
- 1/2" FS (EXISTING)
- BOOSTER PUMP (EXISTING)
- 2/2" RCVM (EXISTING)



- 1/2"-D1-8-49-13
- 1/2"-D1-5b-22-43
- 1/2"-D1-9-41-82
- 1/2"-D1-10-38-75
- 1"-D1-1d-8-16



- 2"-D1-11-75 *
- 1"-D1-12-73 *
- 1"-D1-13a-11-20
- 2" WS
- 1"-D1-13b-19-38
- 1/2"-D1-14-35-69
- 1"-D1-13c-6-12
- 1/2"-D1-15-47-93
- 1/2"-D1-16-37-10
- 1"-D1-17-44 *
- 2" WS

MATCH LINE SEE SHEET IP-7

MATCH LINE (SEE SHEET IP-9)

MATCH LINE SEE SHEET IP-13

MATCH LINE SEE SHEET IP-5

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

IRRIGATION PLAN

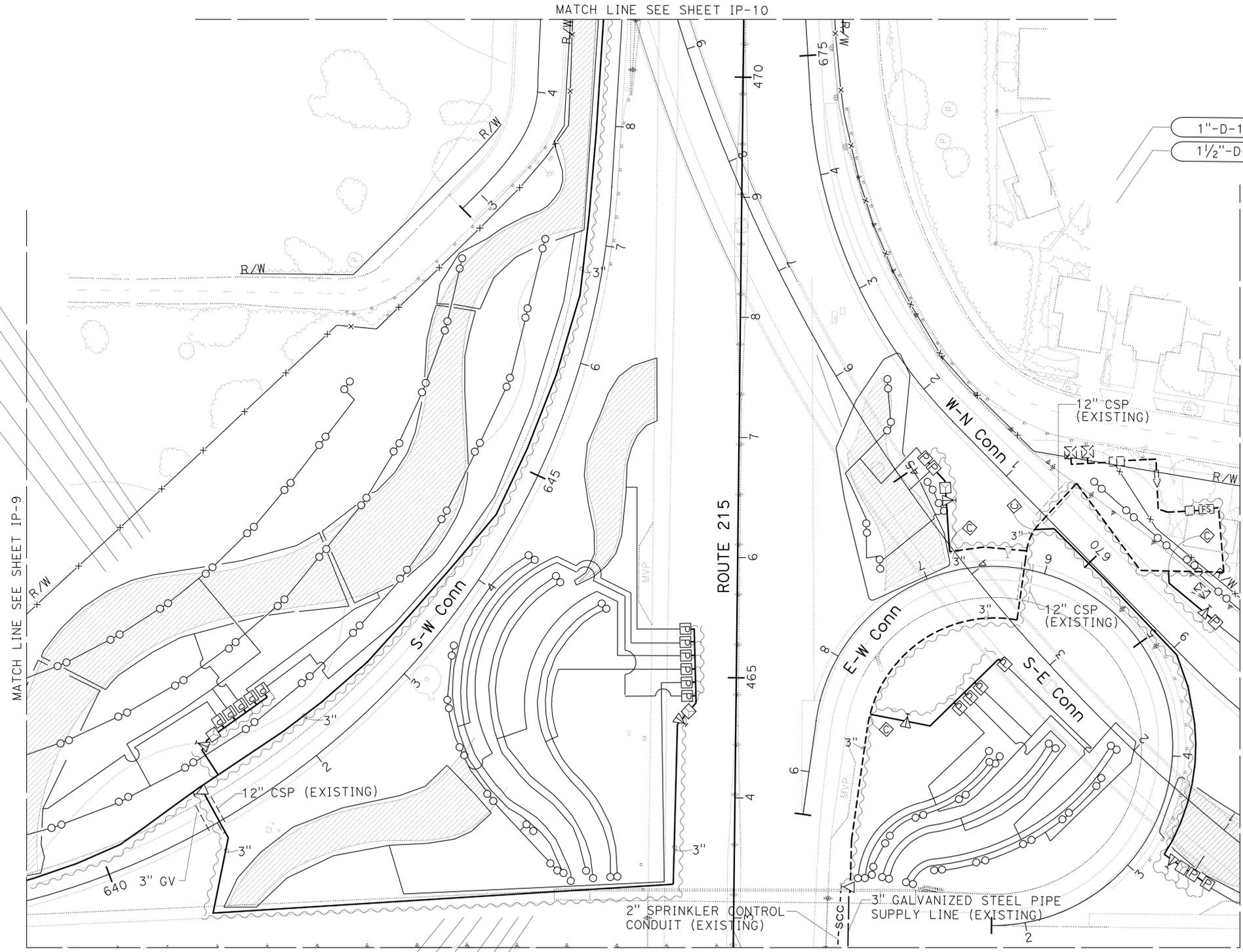
SCALE: 1" = 50' **IP-6**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	57	84

 LICENSED LANDSCAPE ARCHITECT		
5-10-10 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: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	SYLVIA RIVAS	
		MICHAEL BABICH	
		CALCULATED/DESIGNED BY	CHECKED BY



- * 1/2"-E1-20-47
- * 2"-E1-19-95
- * 2"-E1-18-95
- 2"-E1-17a-44-88
- * 2"-E1-16-94

- 1"-D-1a-5-10
- 1/2"-D-2-53 *

- 2-EXISTING 2" WM
- 3" EXISTING BPAE
- EXISTING BOOSTER PUMP
- 2 1/2" EXISTING RCM
- 1 1/2" EXISTING FS
- EXISTING ICC FIELD UNIT D1
- 40 STATION 17 STATIONS USED

1"-D1-1b-18-36

1/2"-D1-3-34-68

1"-D1-1c-10-20

1/2"-D1-4-30-59

1"-D1-5a-23-45

1/2"-D1-6-55 *

1/2"-D1-7-57 *

1/2"-E1-22-36

* 2"-E1-23-55-109

2"-E1-24-49-97

2"-E1-25-44-88

* 2"-E1-26a-59

2"-E1-17b-56-12

MATCH LINE SEE SHEET IP-6

MATCH LINE SEE SHEET IP-10

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

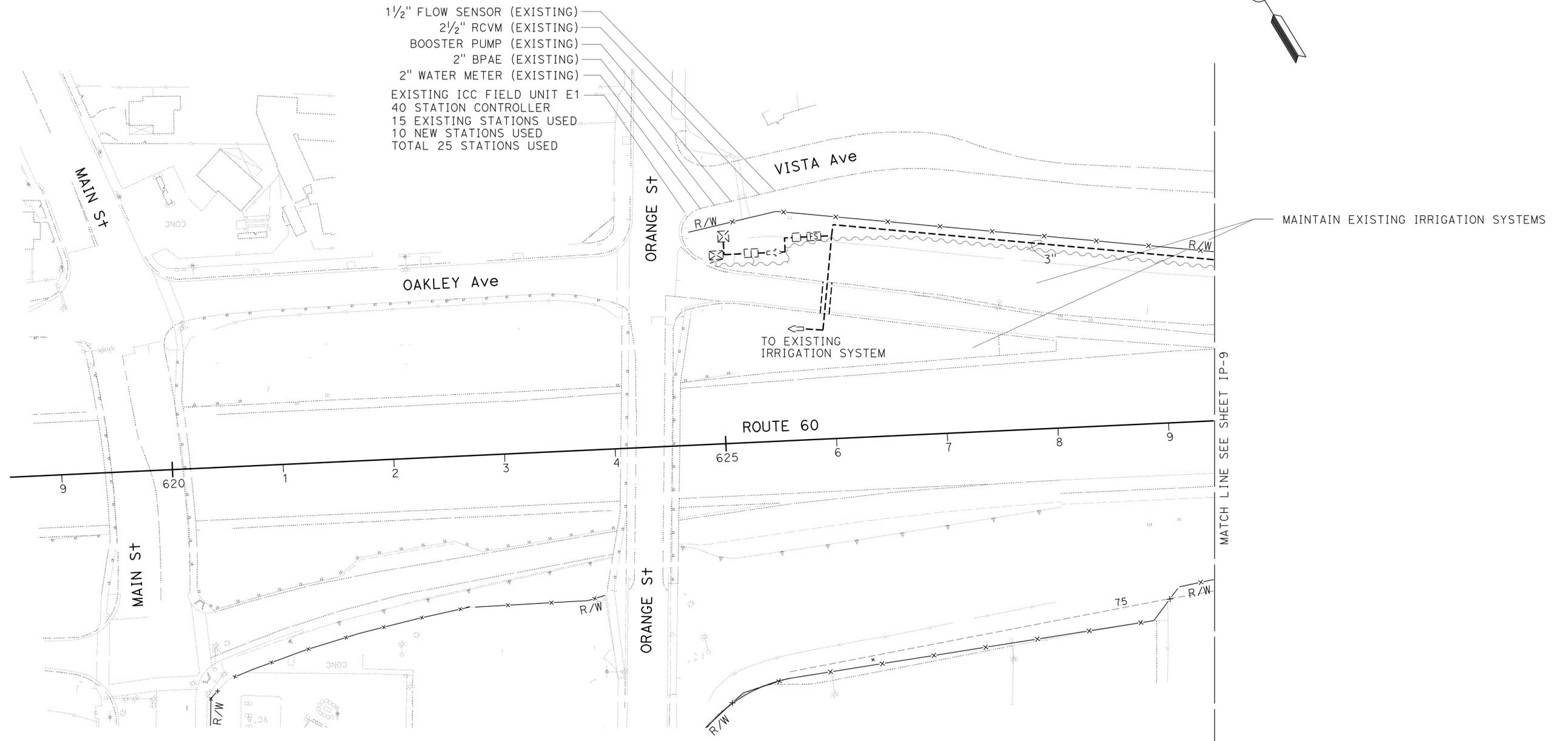
IRRIGATION PLAN

SCALE: 1" = 50' **IP-7**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	58	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 CALCULATED/DESIGNED BY
 CHECKED BY
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY
 DATE REVISED

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

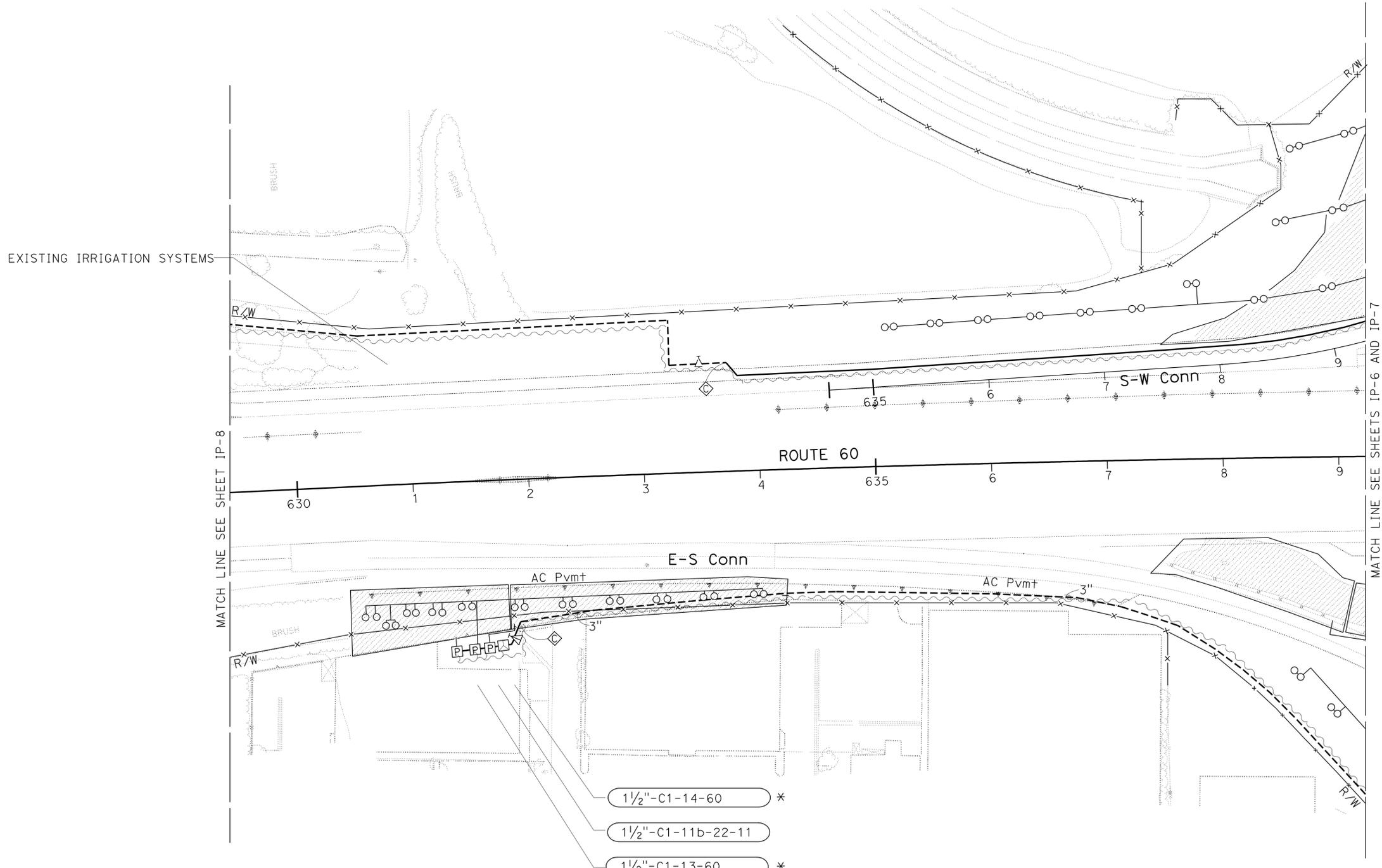
IRRIGATION PLAN
 SCALE: 1" = 50'
IP-8

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	59	84

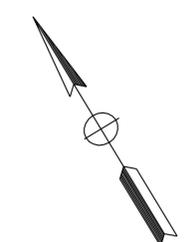
Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	SYLVIA RIVAS	
			MICHAEL BABICH	



- 1 1/2" - C1-14-60 *
- 1 1/2" - C1-11b-22-11
- 1 1/2" - C1-13-60 *



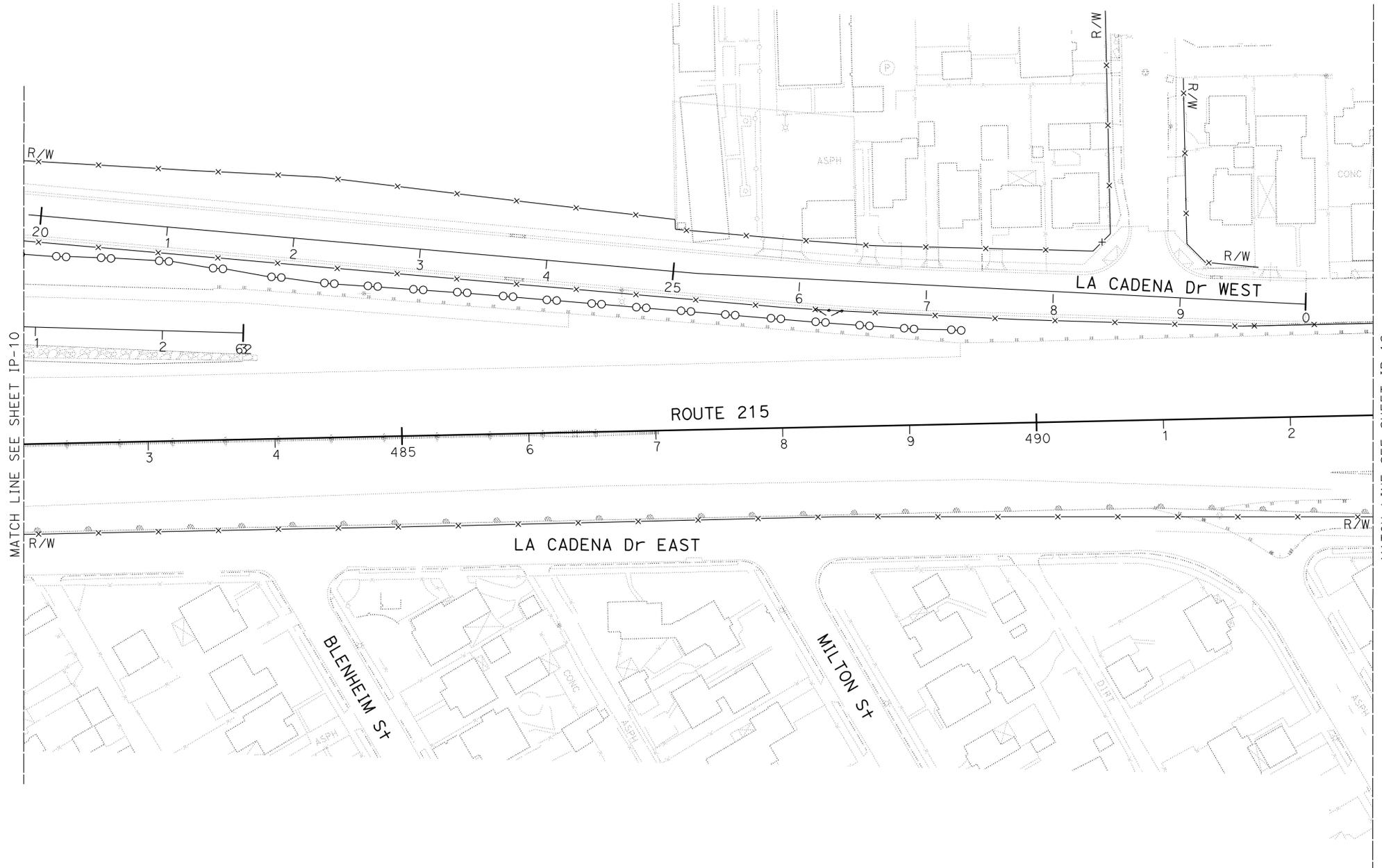
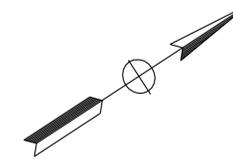
IRRIGATION PLAN
SCALE: 1" = 50' **IP-9**

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	61	84

LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED/DESIGNED BY	SYLVIA RIVAS	REVISED BY	
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	MICHAEL BABICH	DATE REVISED	

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

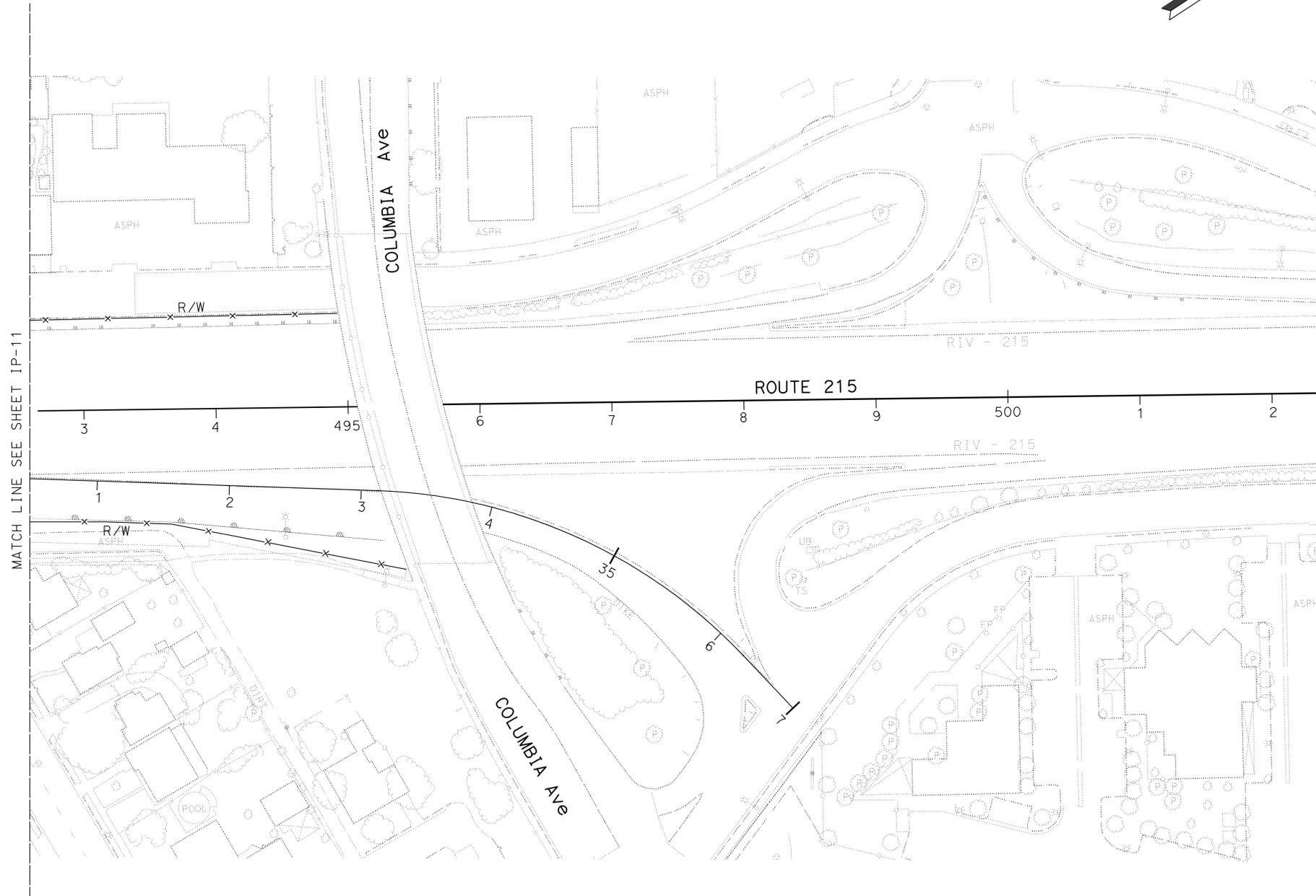
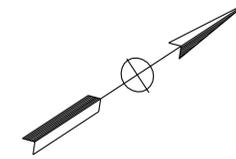
IRRIGATION PLAN
SCALE: 1" = 50' **IP-11**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	62	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	DESIGNED BY	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	CHECKED BY	SYLVIA RIVAS	5-10-10
			MICHAEL BABICH	

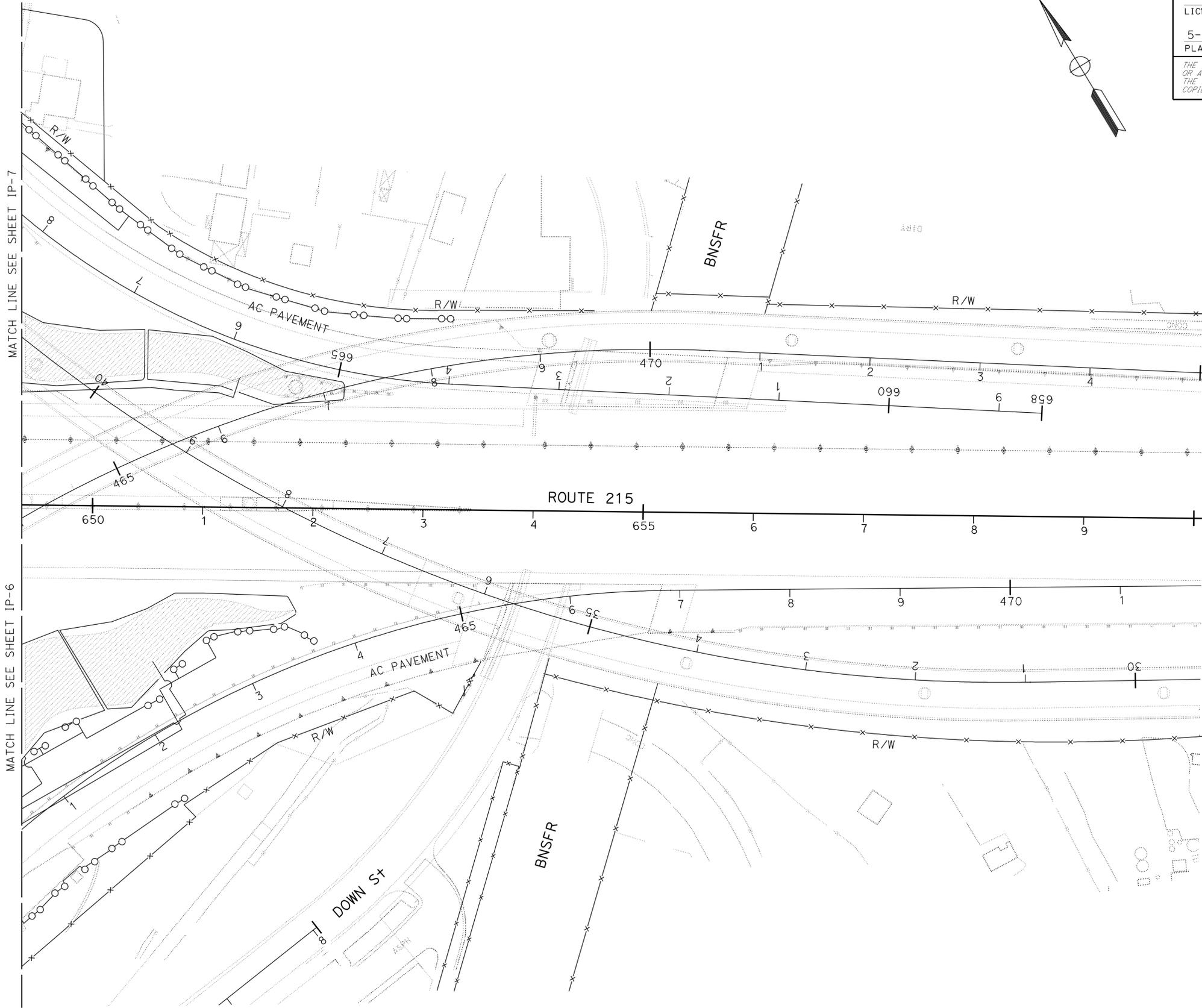
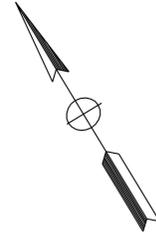
THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
SCALE: 1" = 50' **IP-12**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	63	84

Ray I. Deselle
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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NOTE: FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	REVISOR	DATE
Caltrans LANDSCAPE ARCHITECTURE B	RAY I. DESSELLE	SYLVIA RIVAS	5-10-10
		MICHAEL BABICH	
		CALCULATED/DESIGNED BY	CHECKED BY

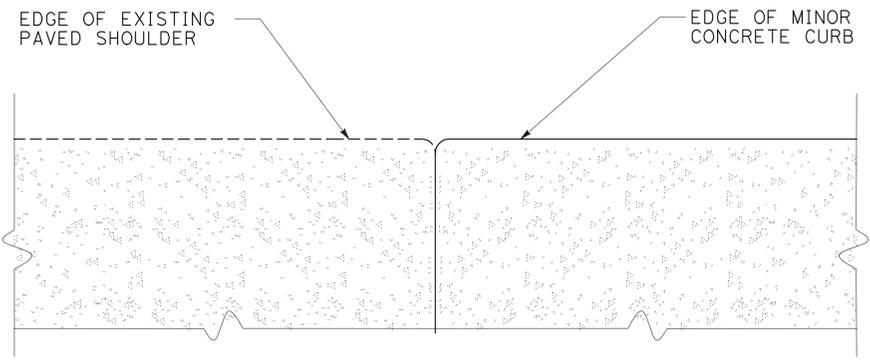
THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY

IRRIGATION PLAN
 SCALE: 1" = 50'
IP-13



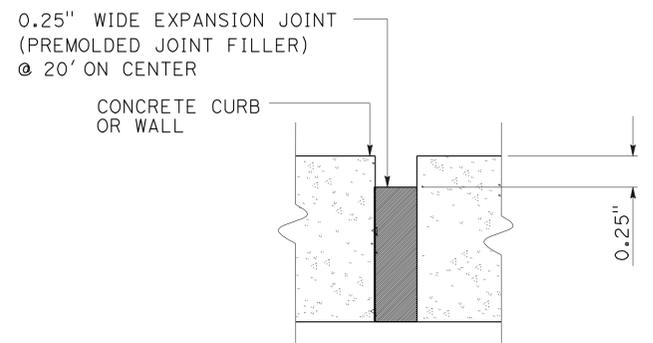
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	64	84

LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.



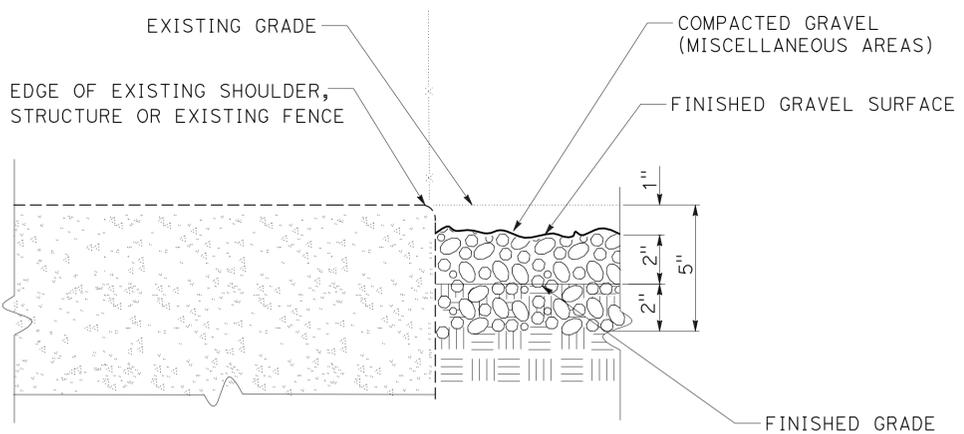
EDGE OF EXISTING SHOULDER AND EDGE OF MINOR CONCRETE (CURB)

SECTION



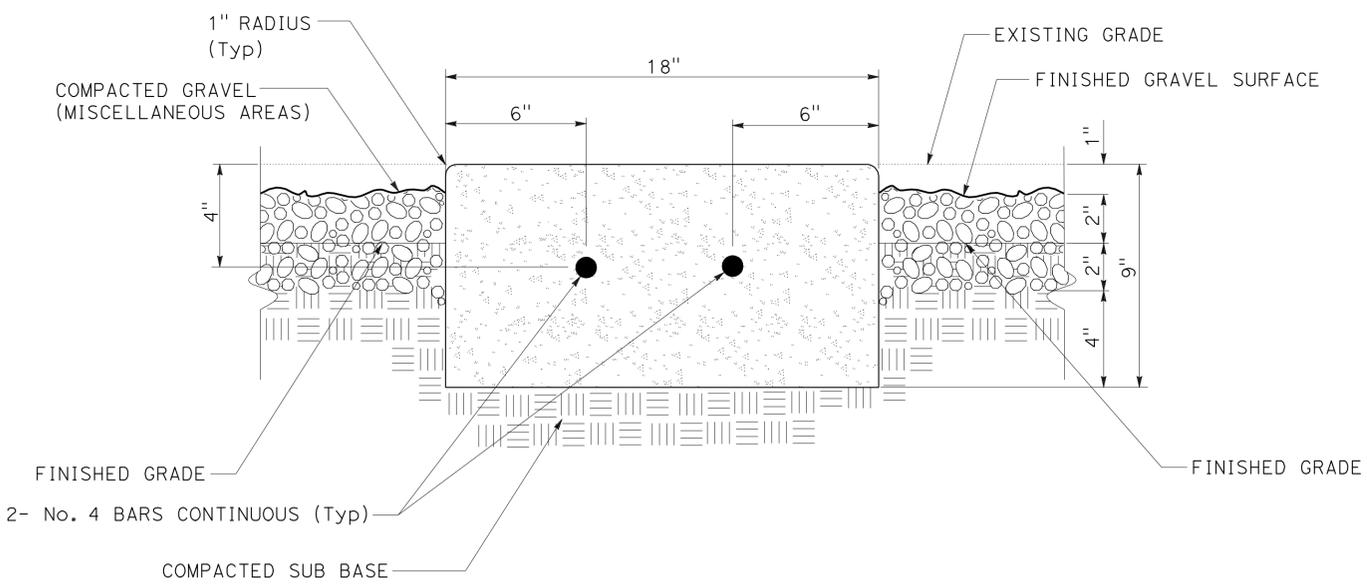
EXPANSION JOINT FOR MINOR CONCRETE (CURB) AND RETAINING WALL (TYPE 6B)

SECTION



EDGE OF EXISTING SHOULDER, EXISTING STRUCTURE OR EXISTING FENCE

SECTION



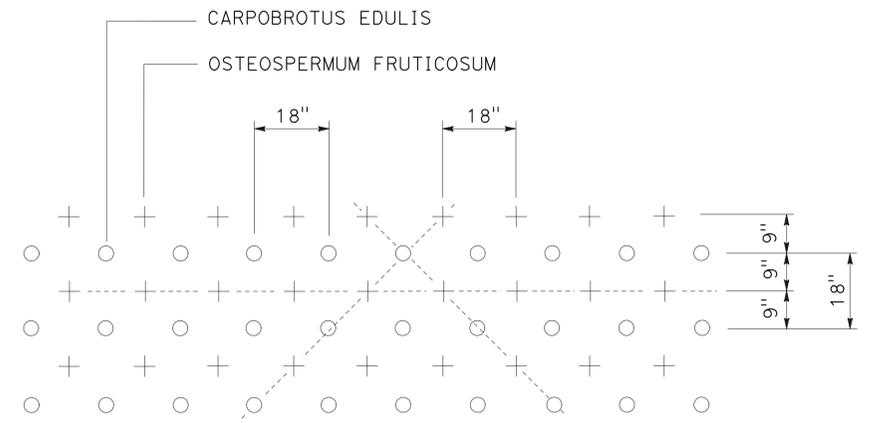
MINOR CONCRETE (CURB)

SECTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Miriam Bishop
 Sylvia Rivas
 Ray I. Deselle
 Landscape Architecture B

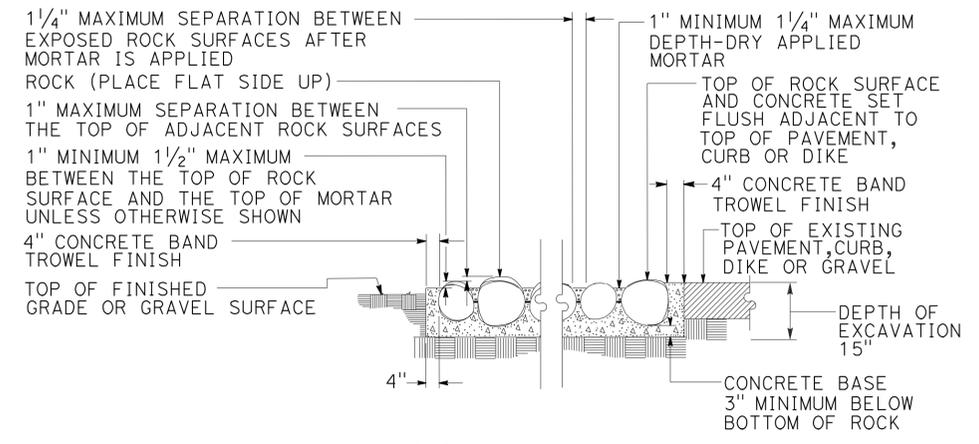
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	65	84

Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 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.



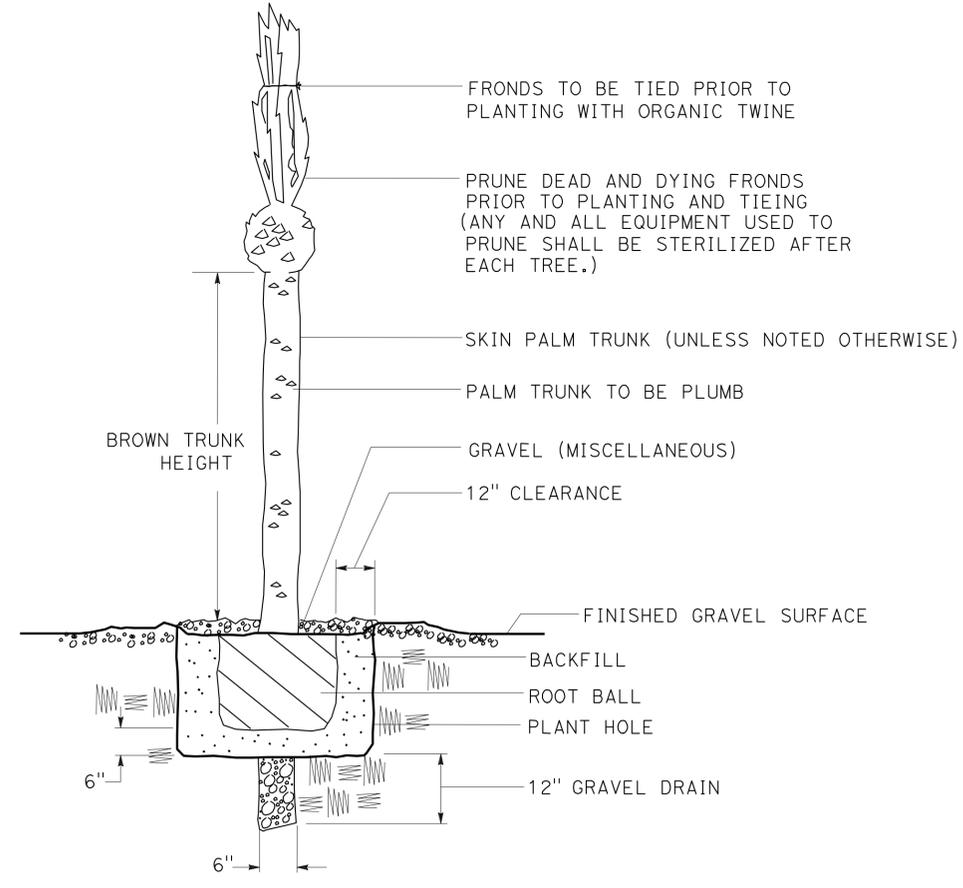
MIXED GROUNDCOVER PLANTING

PLAN



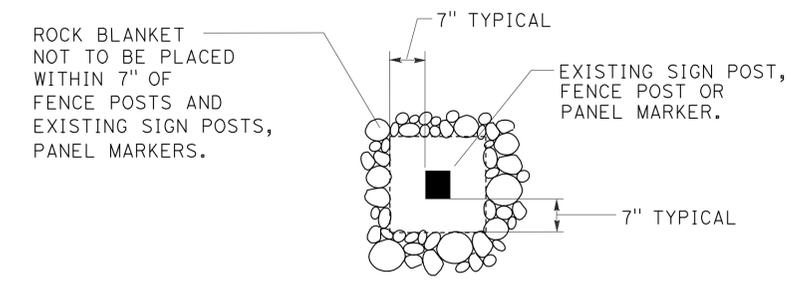
ROCK BLANKET

SECTION



PALM TREE PLANTING/TRANSPLANTING DETAIL

SECTION



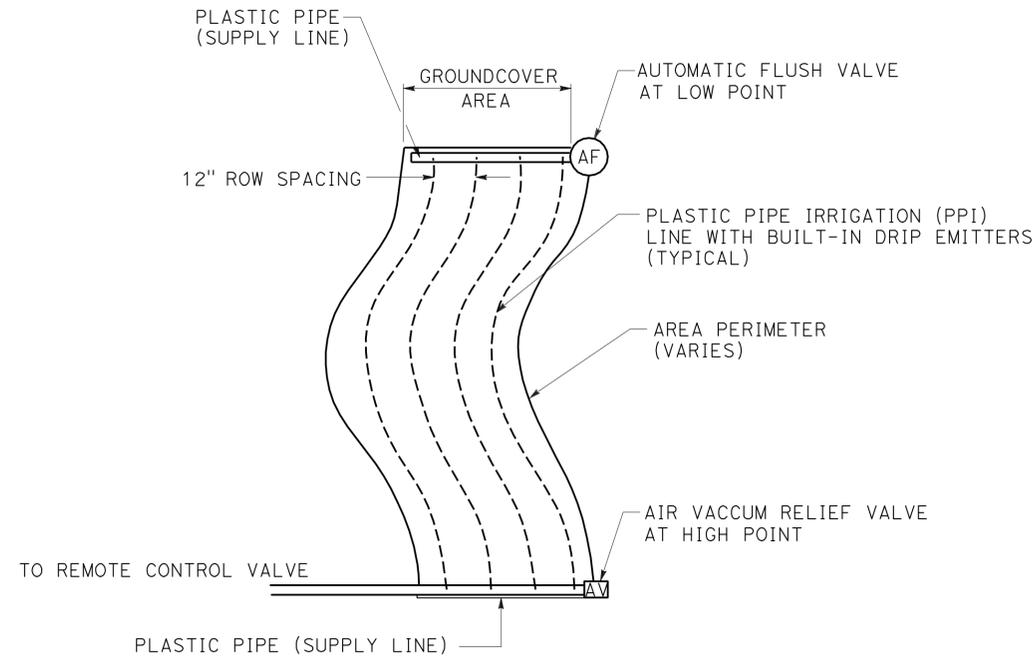
ROCK BLANKET APPLICATION AT POST

PLAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT
 RAY I. DESSELLE
 CALCULATED/DESIGNED BY
 CHECKED BY
 SYLVIA RIVAS
 MICHAEL BABICH
 REVISED BY
 DATE
 REVISOR
 DATE

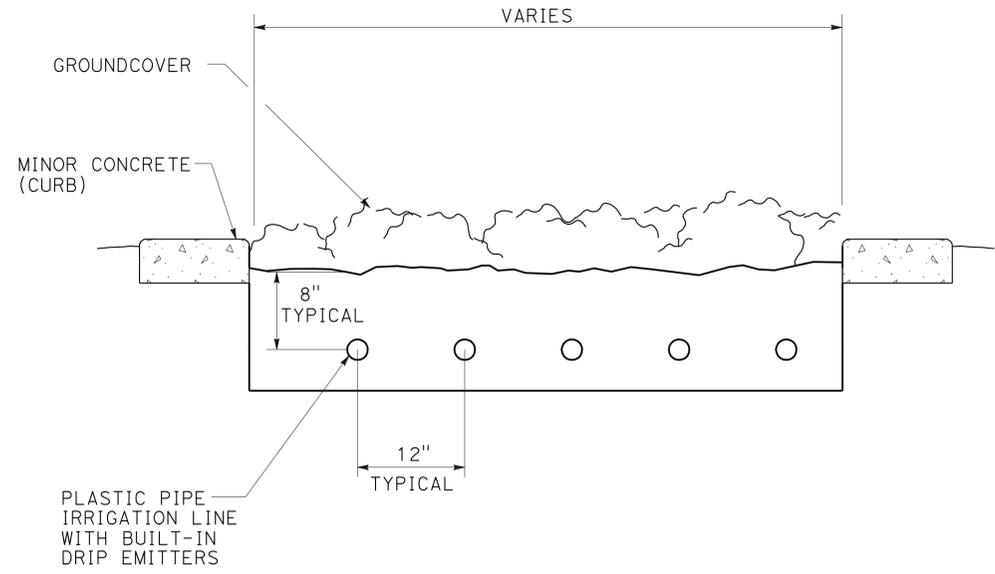
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	66	84

Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
 Signature: *Ray I. Deselle*
 11/30/11
 Renewal Date: 04-08-10
 STATE OF CALIFORNIA
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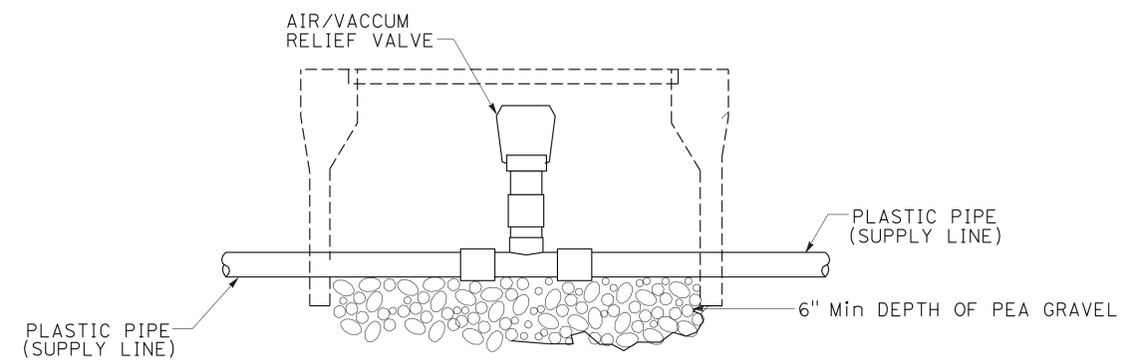


- NOTES:**
1. LOCATE AIR VACCUM RELIEF VALVE AT HIGHEST POINT.
 2. LOCATE STEEL SOIL STAPLES ALONG PLASTIC PIPE IRRIGATION (PPI) AT 3' O/C.
 3. SECURE ALL FITTINGS WITH (2) STEEL SOIL STAPLES

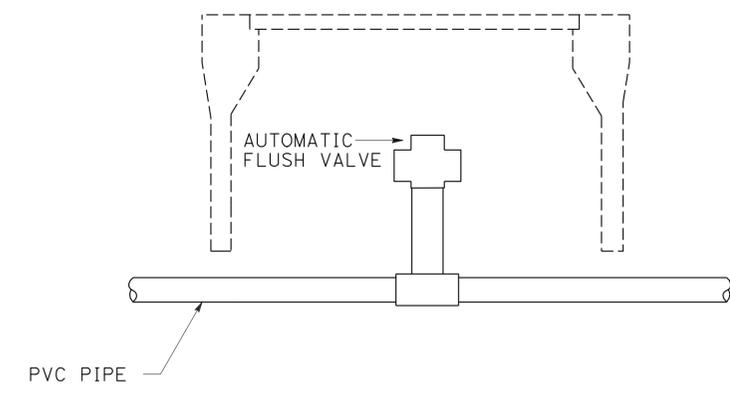
**IRRIGATION PLAN FOR
SUBSURFACE DRIP IRRIGATION SYSTEM (TYPICAL)
PLAN VIEW**



**IRRIGATION SECTION FOR
SUBSURFACE DRIP IRRIGATION SYSTEM (TYPICAL)
SECTION**



**AIR/VACCUM RELIEF VALVE
FOR SUBSURFACE DRIP IRRIGATION SYSTEM
SECTION**



**AUTOMATIC FLUSH VALVE
SECTION**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT RAY I. DESSELLE
 SYLVIA RIVAS MICHAEL BABICH
 REVISED BY DATE
 CALCULATED/DESIGNED BY CHECKED BY
 BORDER LAST REVISED 4/11/2008



USERNAME => rlenard
DGN FILE => 833486tn003.dgn

CU 08341 EA 334861

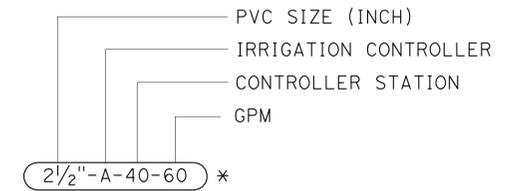
LAST REVISION DATE PLOTTED => 12-MAY-2010
 04-08-10 TIME PLOTTED => 13:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	68	84

Signature: *Ray I. Deselle*
 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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SPRINKLER SCHEDULE

SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (PSI)	PRESSURE COMPENSATING	PLUS/MINUS 5% ②		RADIUS (Ft)	WIDTH x LENGTH (Ft)	MATERIAL	INLET CONNECTION (NPT INCH)	POSITIVE-LOCKING ADJ ARC STOP	BACKSLASH PREVENTER	DIFFUSER PIN	DISTANCE CONTROL FLAP	ADJ DISCHARGE	RISER			SWING JOINT (TYPE) ⑤	RISER SUPPORT	SPRINKLER PROTECTOR (TYPE)	REMARKS	
						GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)										TYPE	MATERIAL	SIZE (IPS INCH)					HEIGHT (INCH)
⑤	A-5	GEAR DRIVEN	—	40	X	3.7	—	39	—	PL	1/2"	—	—	—	—	—	II	X	—	1/2"	—	—	—	
○	C-2	BUBBLER	—	20-90	X	.50	—	—	—	PL	1/2"	—	—	—	—	—	V	X	—	—	—	—	—	
---	D-1	EMITTER	—	25	X	—	.53	—	—	PL	5/8"	—	—	—	—	—	—	—	—	—	—	—	①	



FOR SUBSURFACE DRIP IRRIGATION SYSTEM

NOTES:

- ALL TREES SHALL HAVE (2) C-2 SPRINKLERS PER TREE.
- ALL SHRUBS SHALL HAVE (1) C-2 SPRINKLERS PER SHRUB.

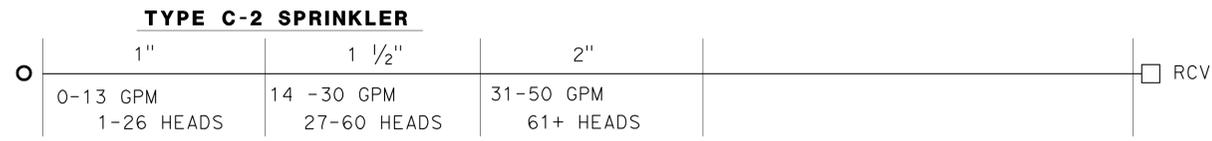
APPLICABLE WHEN CIRCLED BELOW:

- See Special Provisions.
- If a pressure compensating device is specified, the discharge and radii shown reflect its use.
- Arc Stop shall be fitted with a nut and bolt.
- Vinyl-coated cast iron housing.
- Swing Joints required adjacent to shoulders, curbs, sidewalks, and dikes.
- Unless otherwise shown on plans.

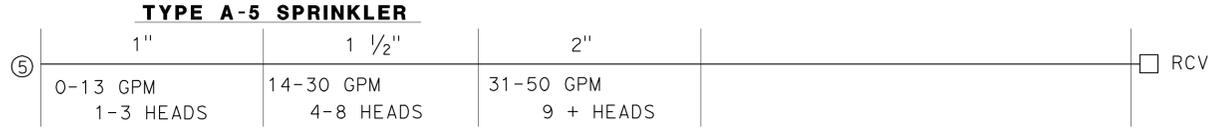
ABBREVIATIONS

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

PIPE SIZING CHART (LATERAL LINE)



PIPE SIZING CHART (LATERAL LINE)



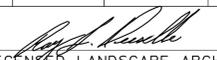
SPRINKLER SCHEDULE LD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE B
 SENIOR LANDSCAPE ARCHITECT RAY I. DESSELLE
 CALCULATED/DESIGNED BY CHECKED BY
 SYLVIA RIVAS MICHAEL BABICH
 REVISED BY DATE REVISED

ABBREVIATIONS

- EA — each
- DIP — ductile iron pipe
- GSP — galvanized steel pipe
- F+ — foot/feet
- PR — pressure rated

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	69	84


 LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE
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SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION	UNIT	VALVE OR ASSEMBLY NUMBER				SUBTOTALS	UNIT	DESCRIPTION
		A1-1a	A1-1b					
PLASTIC PIPE SUPPLY LINE	1"	LF	-	-		-	LF	1"
	1 1/2"	LF	560	560		1120	LF	1 1/2"
	2"	LF	-	-		-	LF	2"
SPRINKLER TYPE	A-5	EA	-	-		-	EA	A-5
	C-2	EA	48	46		94	EA	C-2

DESCRIPTION	UNIT	VALVE OR ASSEMBLY NUMBER				SUBTOTALS	UNIT	DESCRIPTION
		B1-1a	B1-1b	B1-2a	B1-2b			
PLASTIC PIPE SUPPLY LINE	1"	LF	620	860	390	1350	LF	1"
	1 1/2"	LF	160	220	-	610	LF	1 1/2"
	2"	LF	-	-	-	-	LF	2"
SPRINKLER TYPE	A-5	EA	-	-	-	-	EA	A-5
	C-2	EA	30	66	16	108	EA	C-2

IRRIGATION QUANTITIES IQ-1

ABBREVIATIONS

- EA — each
- DIP — ductile iron pipe
- GSP — galvanized steel pipe
- F+ — foot/feet
- PR — pressure rated

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	70	84

LICENSED LANDSCAPE ARCHITECT
 5-10-10
 PLANS APPROVAL DATE

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SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION	UNIT	VALVE OR ASSEMBLY NUMBER																SUBTOTALS	UNIT	DESCRIPTION
		C1-1	C1-2	C1-3	C1-4	C1-5	C1-6	C1-7	C1-8	C1-9	C1-10	C1-11a	C1-11b	C1-12	C1-13	C1-14				
PLASTIC PIPE SUPPLY LINE	1"	1060	-	25	-	-	-	-	495	570	610	1140	405	205	-	-	4510	LF	1"	
	1 1/2"	120	10	65	700	580	35	15	5	5	-	40	180	15	35	1820	LF	1 1/2"		
	2"	-	-	-	-	-	-	-	700	630	530	-	-	-	-	1860	LF	2"		
SPRINKLER TYPE	A-5	-	-	-	-	-	-	-	-	-	-	-	11	-	-	11	EA	A-5		
	C-2	52	-	-	-	-	-	85	97	91	26	22	-	-	-	373	EA	C-2		

DESCRIPTION	UNIT	VALVE OR ASSEMBLY NUMBER																				SUBTOTALS	UNIT	DESCRIPTION			
		D1-1a	D1-1b	D1-1c	D1-1d	D1-2	D1-3	D1-4	D1-5a	D1-5b	D1-6	D1-7	D1-8	D1-9	D1-10	D1-11	D1-12	D1-13a	D1-13b	D1-13c	D1-14				D1-15	D1-16	D1-17
PLASTIC PIPE SUPPLY LINE	1"	255	605	685	500	25	435	435	425	270	-	-	265	490	520	-	-	685	680	360	525	620	-	-	7780	LF	1"
	1 1/2"	-	150	-	-	-	5	5	-	210	15	235	90	5	15	85	250	-	20	-	5	5	235	20	1350	LF	1 1/2"
	2"	-	-	-	-	-	195	225	-	-	-	-	-	205	190	-	-	-	-	-	130	225	190	-	1360	LF	2"
SPRINKLER TYPE	A-5	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	10	-	23	EA	A-5	
	C-2	12	36	20	16	-	68	59	45	43	-	-	-	82	75	-	-	20	38	12	69	93	-	688	EA	C-2	

IRRIGATION QUANTITIES
IQ-2

SUBTOTALS PER PLAN SHEET ON MAIN SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION	UNIT	SHEET NUMBER													SUBTOTALS		
		IP-1	IP-2	IP-3	IP-4	IP-5	IP-6	IP-7	IP-8	IP-9	IP-10	IP-11	IP-12	IP-13			
BPA																	
ENCLOSURE																	
BOOSTER PUMP																	
STATION																	
STATION																	
STATION																	
SINGLE																	
DOUBLE																	
1 1/2"	EA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
1"	EA	-	-	-	-	-	7	4	-	-	-	-	-	-	-	-	11
1 1/2"	EA	1	2	1	2	1	18	7	-	3	-	-	-	-	-	-	35
2"	EA	-	-	-	-	-	1	9	-	-	1	-	-	-	-	-	11
3"	EA	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
2"	EA	-	-	-	-	-	5	4	-	1	-	-	-	-	-	-	10
2"	EA	-	1	1	1	1	5	6	-	1	1	-	-	-	-	-	17
1"	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18,300
1 1/2"	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,610
2"	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,300
3"	LF	200	910	30	370	410	915	2420	-	625	830	-	-	-	-	-	6,710
8"	LF	60	490														550

TOTAL QUANTITIES

TOTALS	UNIT	DESCRIPTION
1	EA	1 1/2"
11	EA	1"
35	EA	1 1/2"
11	EA	2"
1	EA	3"
10	EA	2"
17	EA	2"
18,300	LF	1"
9,610	LF	1 1/2"
5,300	LF	2"
6,710	LF	3"
550	LF	8"
34	EA	A-5
1,805	EA	C-2

ABBREVIATIONS

- BPA—backflow preventer assembly
- BV—ball valve
- CV—check valve
- CEC—controller enclosure cabinet
- CSP—corrugated steel pipe
- DIP—ductile iron pipe
- EA—each
- FAU—filter assembly unit
- FCV—flow control valve
- FS—flow sensor
- FV—flush valve
- GSP—galvanized steel pipe
- GV—gate valve
- MCV—manual control valve
- Ft—foot/feet
- PR—pressure rated
- PRV—pressure reducing valve
- PRLV—pressure relief valve
- QCV—quick coupling valve
- RCV—remote control valve
- RCVM—remote control valve (master)
- VAU—valve assembly unit
- WSP—welded steel pipe
- WS—wye strainer

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	72	84

5-10-10
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.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	73	84

REGISTERED ELECTRICAL ENGINEER DATE 4-8-10
 5-10-10
 PLANS APPROVAL DATE

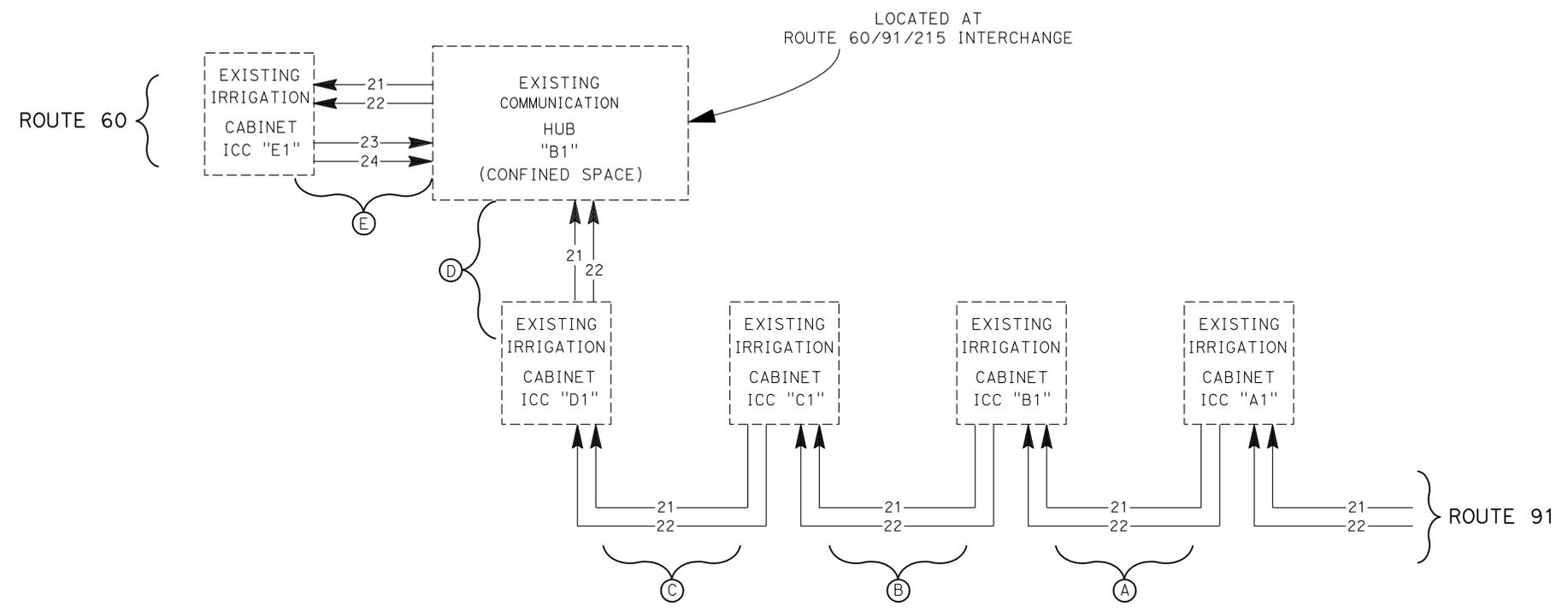
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PROJECT NOTES:

- ALL FIBER OPTIC COMMUNICATION LINKS SHALL BE TESTED USING:
 - OPTICAL DOMAIN TIME REFLECTOMETER (OTDR)
 - POWER METER AND LIGHT SOURCE
- ALL FIBERS SHOWN ARE EXISTING

LEGEND:

- XX FIBER NUMBER
- (X) FIBER OPTIC COMMUNICATION LINK
- XX→ OUTGOING FIBER



EXISTING FIBER OPTIC COMMUNICATION SCHEMATIC

FIBER OPTIC COMMUNICATION LINK

LINK	COMMUNICATION LINK	FIBERS TO BE TESTED	QUANTITY OF FIBERS TO BE TESTED
(A)	ICC 'A1' TO ICC 'B1'	#21, 22	2
(B)	ICC 'B1' TO ICC 'C1'	#21, 22	2
(C)	ICC 'C1' TO ICC 'D1'	#21, 22	2
(D)	ICC 'D1' TO HUB 'B1'	#21, 22	2
(E)	ICC 'E1' TO HUB 'B1'	#21, 22, 23, 24	4
TOTAL			12

PROJECT LOCATIONS

ICC #	ROUTE	SHEET NUMBER
A1	91	IP-2
B1	91	IP-4
C1	91	IP-6
D1	91	IP-7
E1	60	IP-8

EXISTING IRRIGATION FIBER OPTIC COMMUNICATION SYSTEM TESTING

NO SCALE

E-1

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY



USERNAME => frlenard
DGN FILE => 833486ua001.dgn

CU 08396

EA 334861

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	74	84

Thanh Trinh 4-8-10
REGISTERED CIVIL ENGINEER DATE

5-10-10
PLANS APPROVAL DATE

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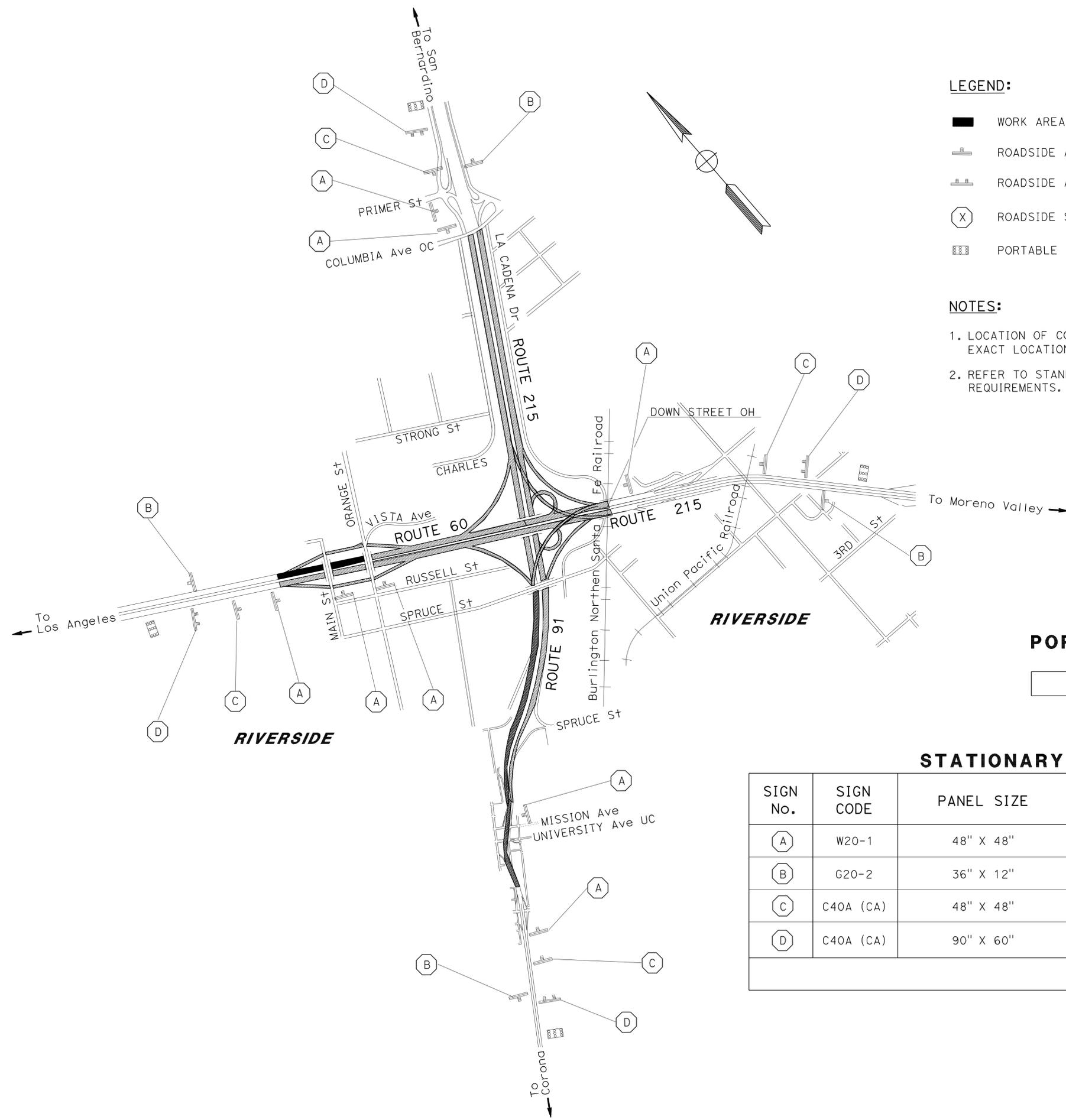
REGISTERED PROFESSIONAL ENGINEER
THANH TRINH
No. 41189
Exp. 3-31-10
CIVIL
STATE OF CALIFORNIA

LEGEND:

- WORK AREA
- ▬ ROADSIDE AREA SIGN (ONE POST)
- ▬▬ ROADSIDE AREA SIGN (TWO POSTS)
- ⊗ ROADSIDE SIGN No.
- ▬▬▬ PORTABLE CHANGEABLE MESSAGE SIGN

NOTES:

1. LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.
2. REFER TO STANDARD PLANS T10 FOR TRAFFIC CONTROL REQUIREMENTS.



PORTABLE CHANGEABLE MESSAGE SIGN

QUANTITY	4 EACH
----------	--------

STATIONARY CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	POST NUMBER AND SIZE	SIGN MESSAGE	No. OF SIGNS
⊗ A	W20-1	48" X 48"	1-6" X 6"	ROAD WORK AHEAD	8
⊗ B	G20-2	36" X 12"	1-4" X 4"	END ROAD WORK	4
⊗ C	C40A (CA)	48" X 48"	1-6" X 6"	TRAFFIC FINES DOUBLED IN WORK ZONES	4
⊗ D	C40A (CA)	90" X 60"	2-6" X 6"	PROJECT FUNDING IDENTIFICATION SIGN TYPE 1 - T7 OF THE STANDARD PLANS	4
TOTAL					20

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

RELATIVE BORDER SCALE IS IN INCHES



USERNAME => trlenard
DGN FILE => 8334861a001.dgn

CU 08380

EA 334861

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN A
FUNCTIONAL SUPERVISOR: BILL WASSER
CALCULATED/DESIGNED BY: SHEILAH NEFT
CHECKED BY: THANH TRINH
REVISOR: SHEILAH NEFT
DATE: 4/11/2008

LAST REVISION: 04-08-10
DATE PLOTTED => 12-MAY-2010
TIME PLOTTED => 13:24

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	75	84

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 5-10-10

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 C+D 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
 M+I 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
 PK+ 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
 Pvm+ 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
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	76	84

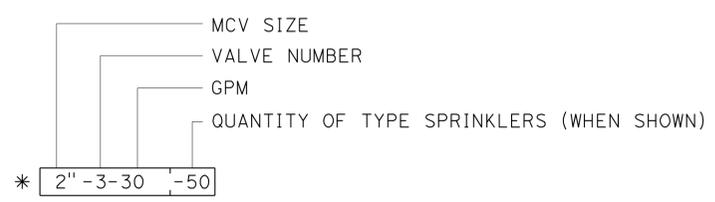
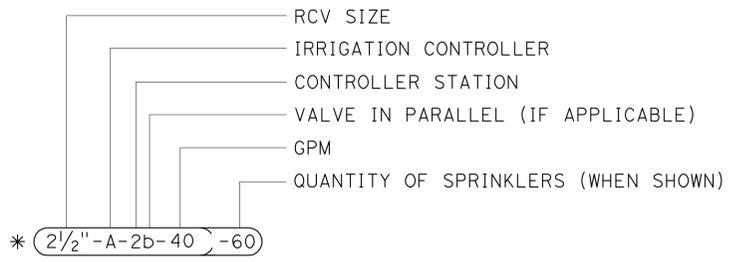
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 5-10-10

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

NO SCALE

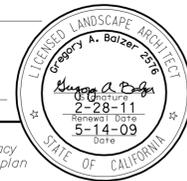
RSP H2 DATED JUNE 5, 2009 SUPERSEDES RSP H2 DATED MARCH 7, 2008 AND STANDARD PLAN H2 DATED MAY 1, 2006 - PAGE 202 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP H2

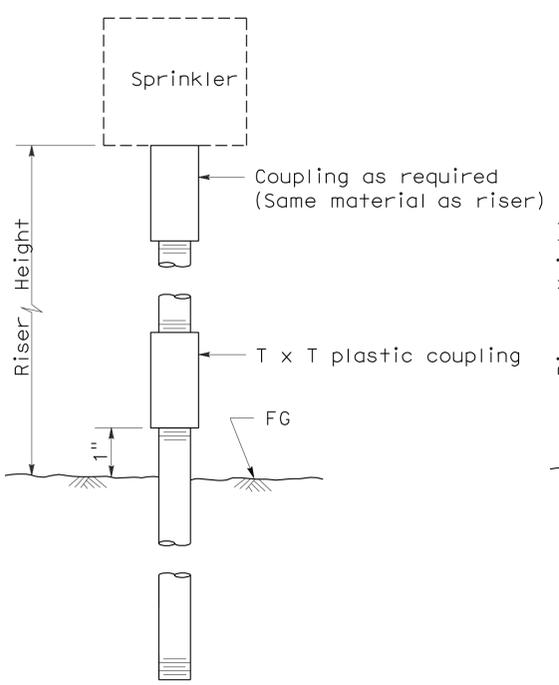
2006 REVISED STANDARD PLAN RSP H2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	77	84

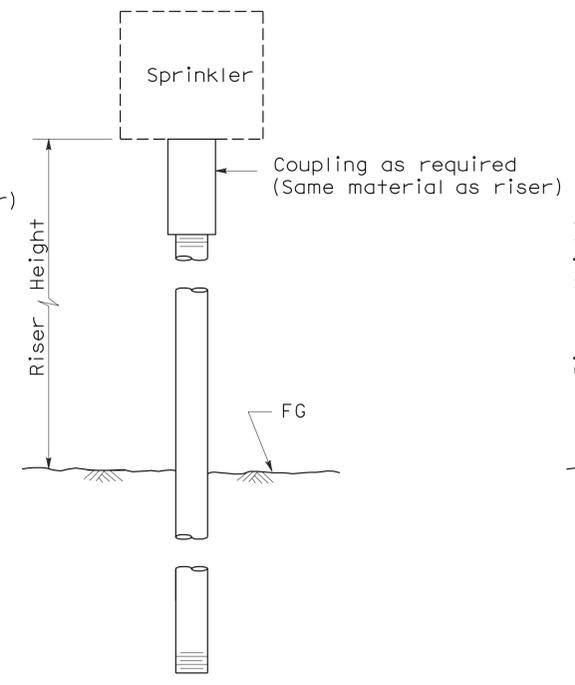
Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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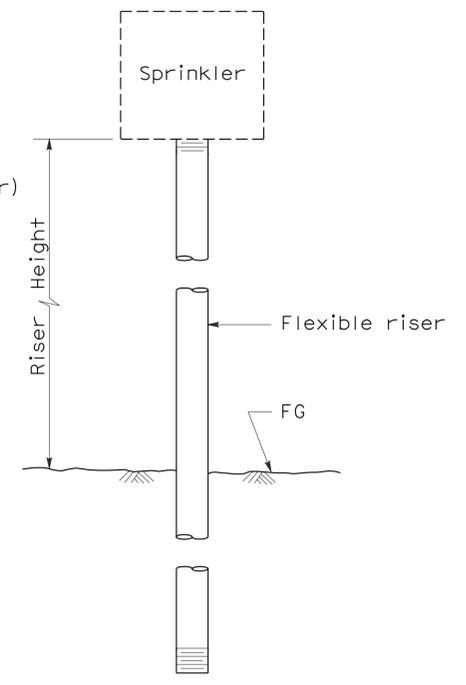
To accompany plans dated 5-10-10



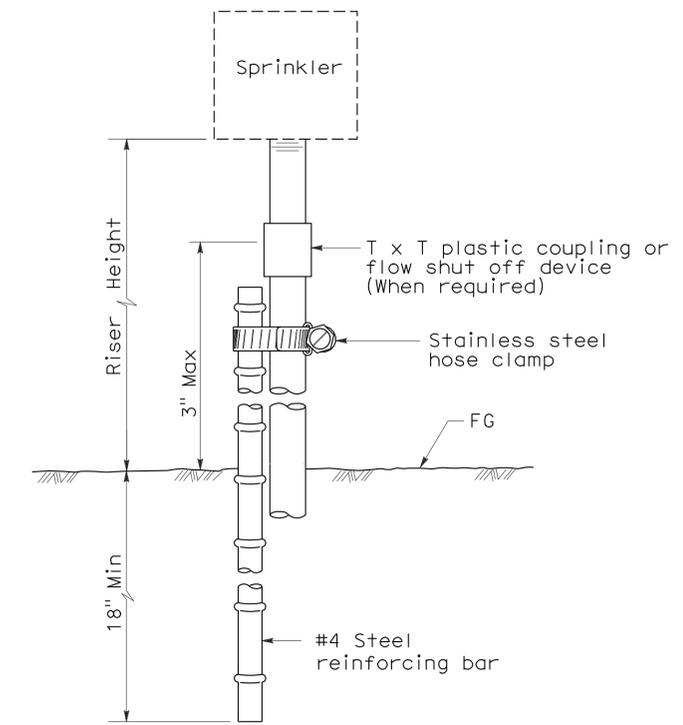
ELEVATION
RISER TYPE I



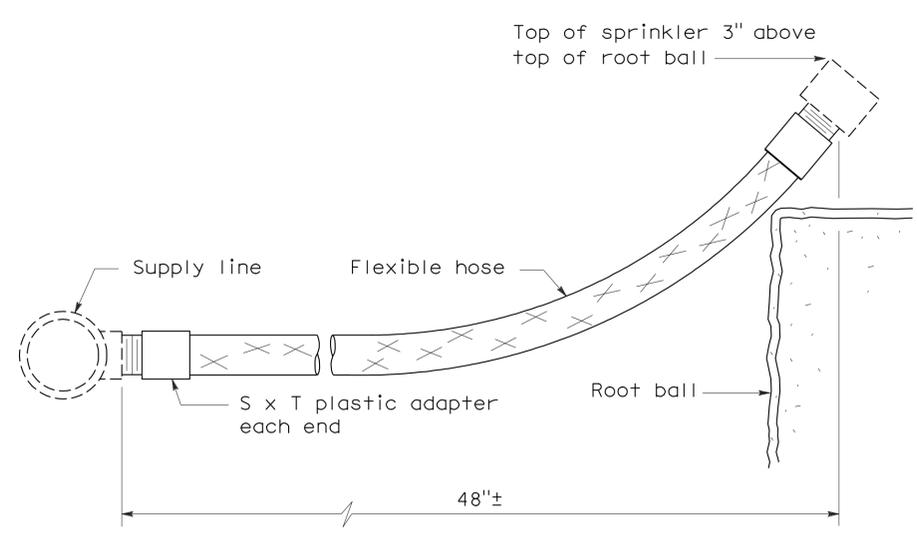
ELEVATION
RISER TYPE II



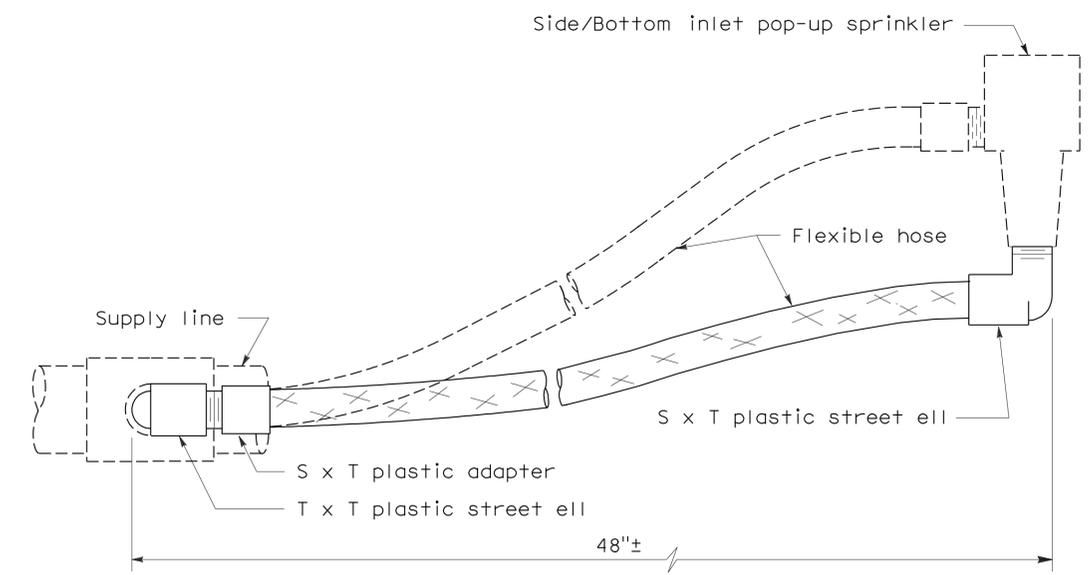
ELEVATION
RISER TYPE III



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.

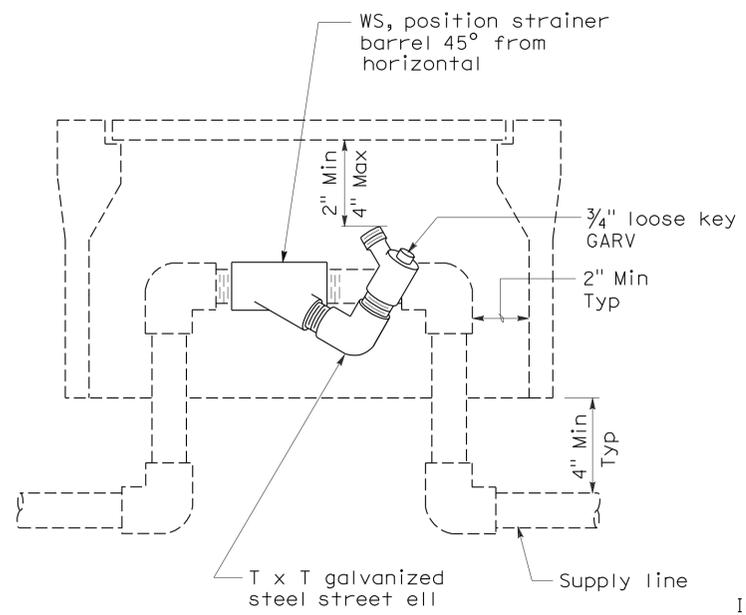
REVISED STANDARD PLAN RSP H5

2006 REVISED STANDARD PLAN RSP H5

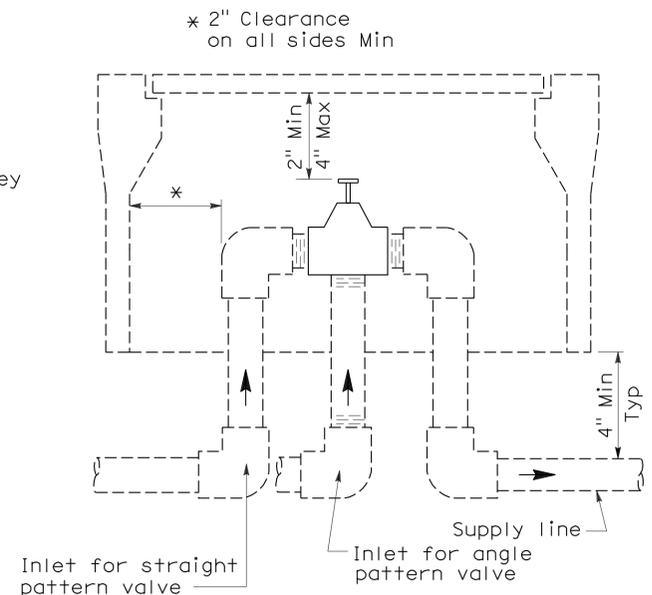
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	78	84

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 License No. 226
 Signature Date: 2-28-11
 Renewal Date: 5-14-09
 State of California

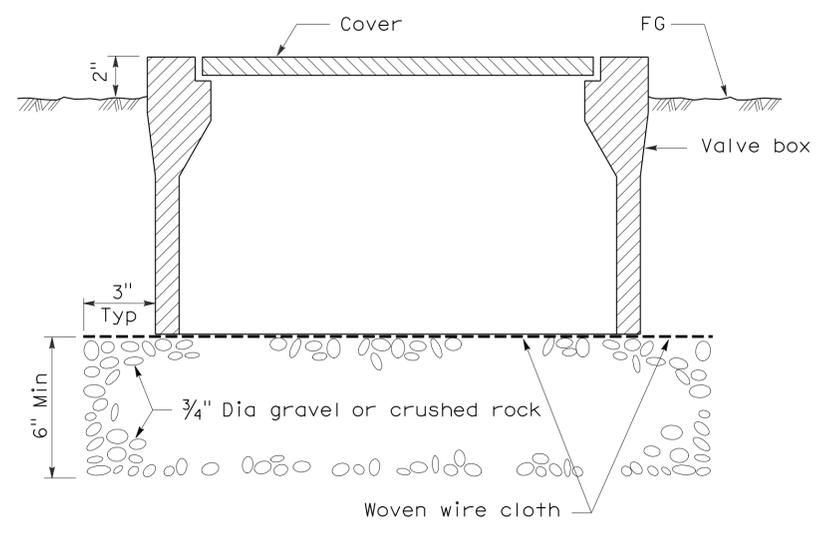
June 5, 2009
 PLANS APPROVAL DATE
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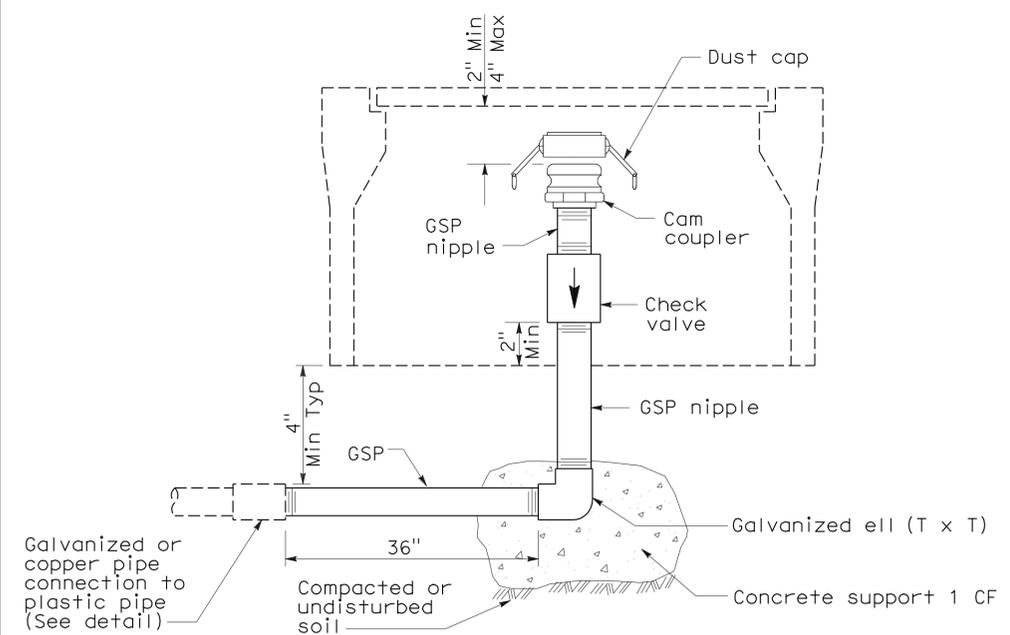
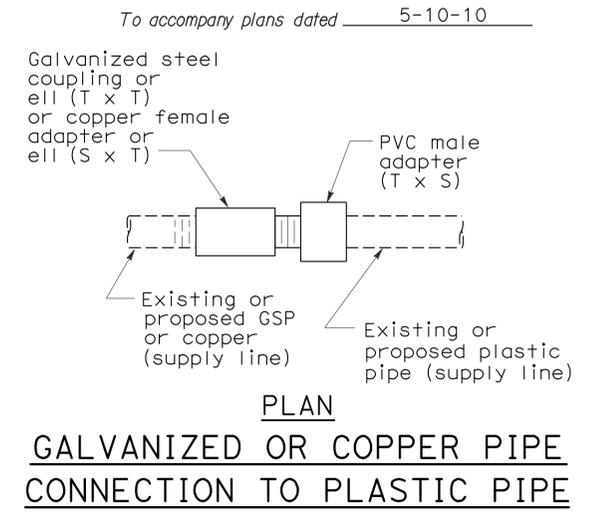
**ELEVATION
WYE STRAINER**



**ELEVATION
VALVE**

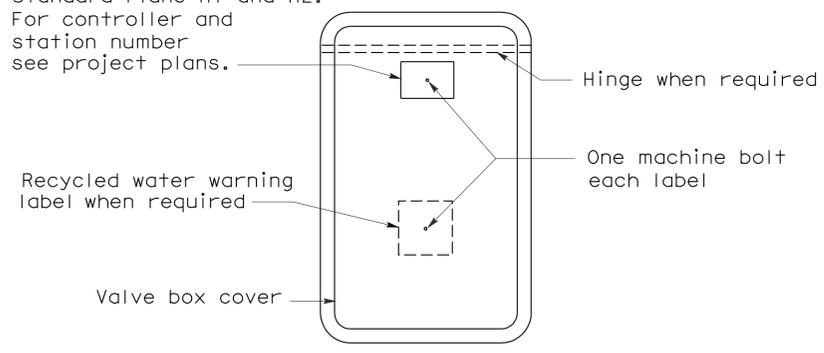


**SECTION
VALVE BOX**

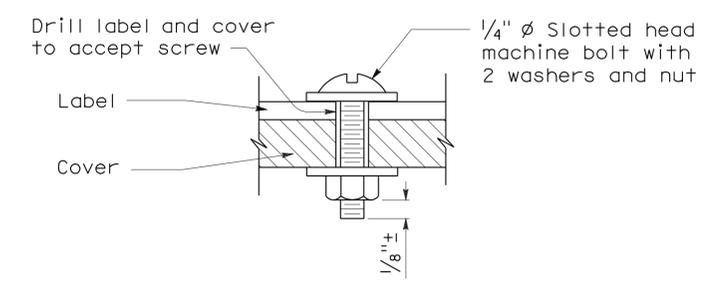


**ELEVATION
CAM COUPLER ASSEMBLY**

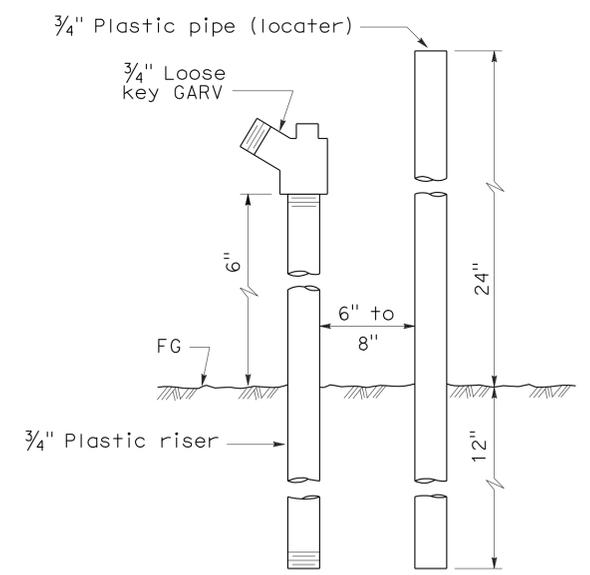
Identification label:
 For abbreviations see Revised Standard Plans H1 and H2.
 For controller and station number see project plans.



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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	79	84

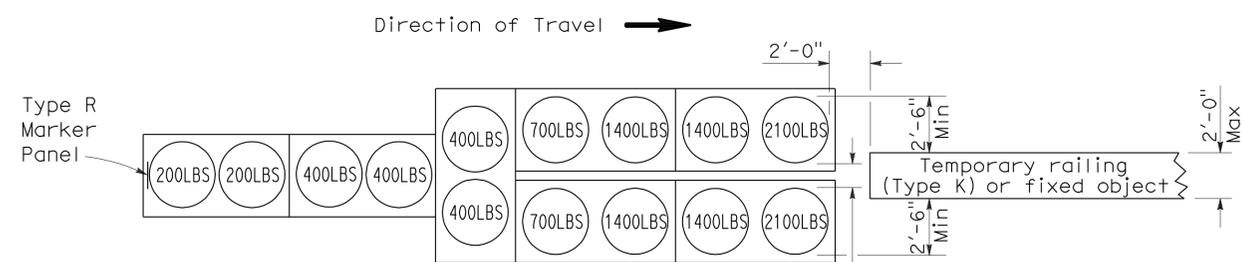
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

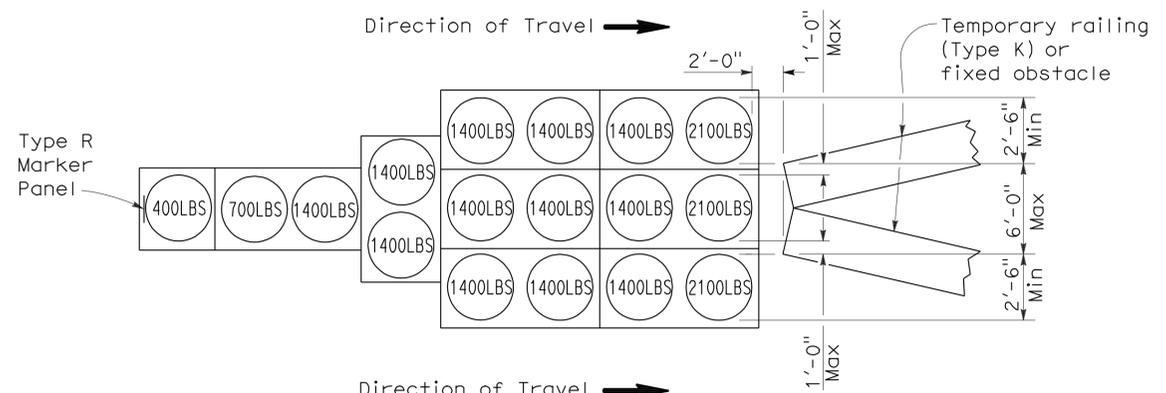
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To accompany plans dated 5-10-10



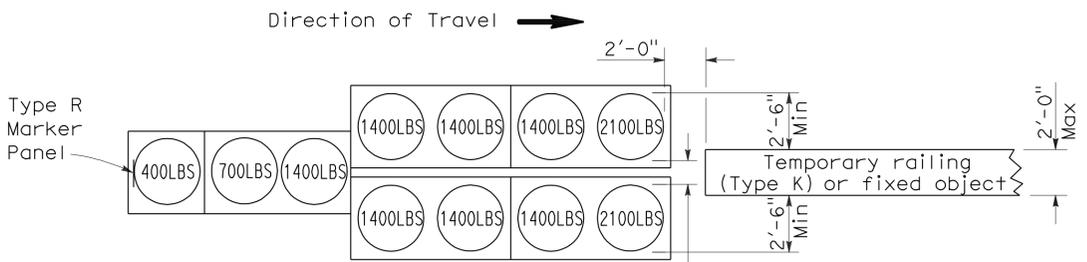
ARRAY 'TU14'

Approach speed 45 mph or more



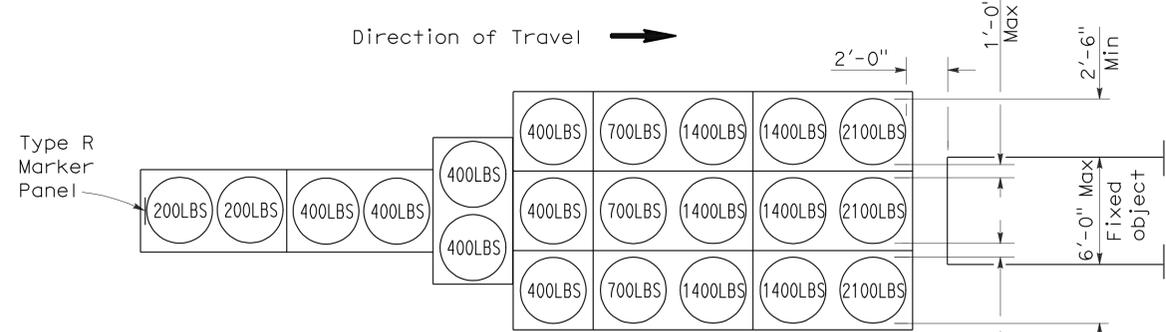
ARRAY 'TU17'

Approach speed less than 45 mph



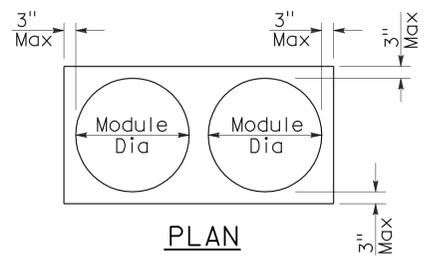
ARRAY 'TU11'

Approach speed less than 45 mph

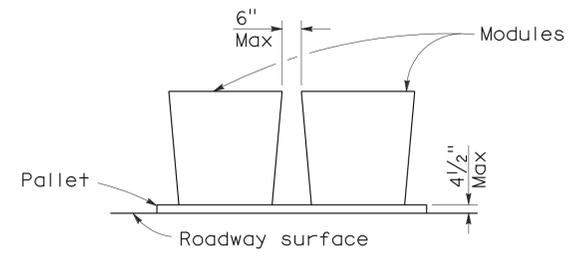


ARRAY 'TU21'

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

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	80	84

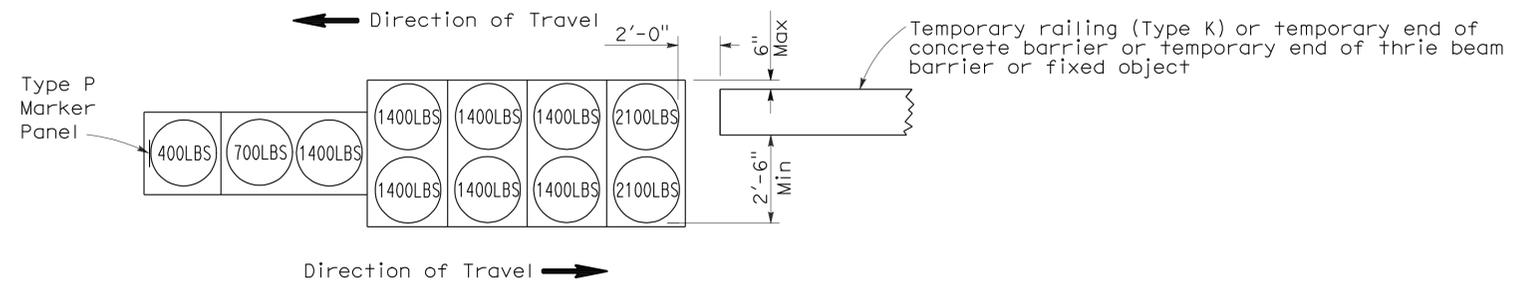
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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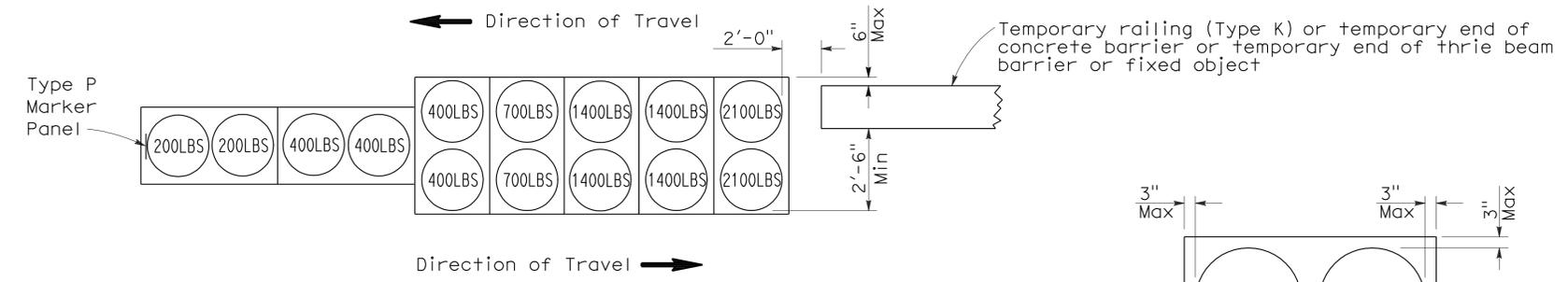
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 5-10-10



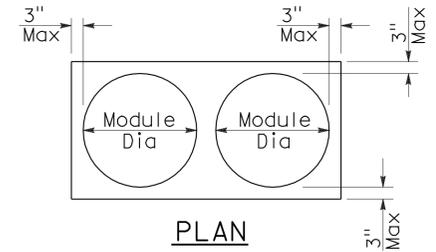
ARRAY 'TB11'

Approach speed less than 45 mph

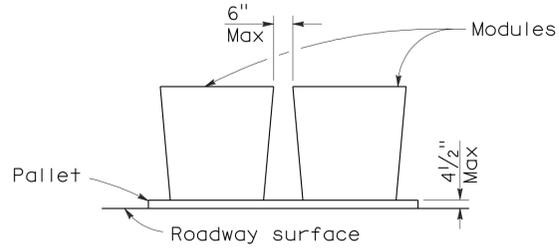


ARRAY 'TB14'

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
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	81	84

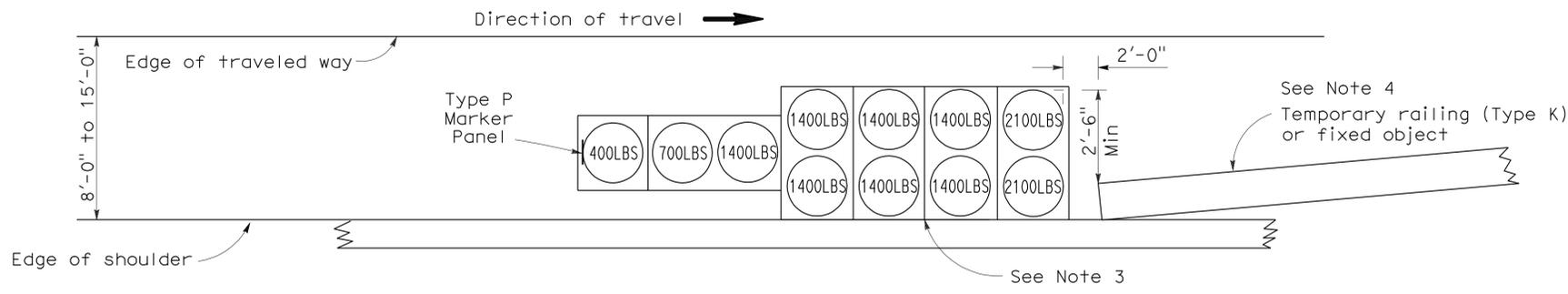
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

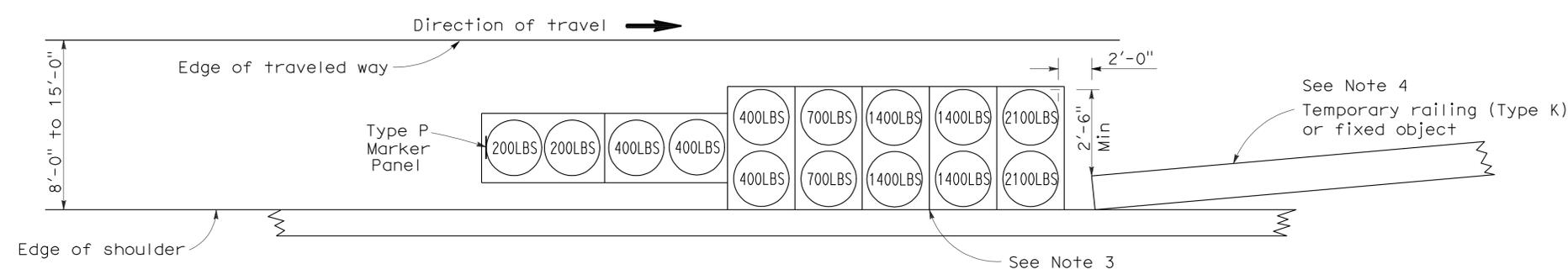
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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To accompany plans dated 5-10-10



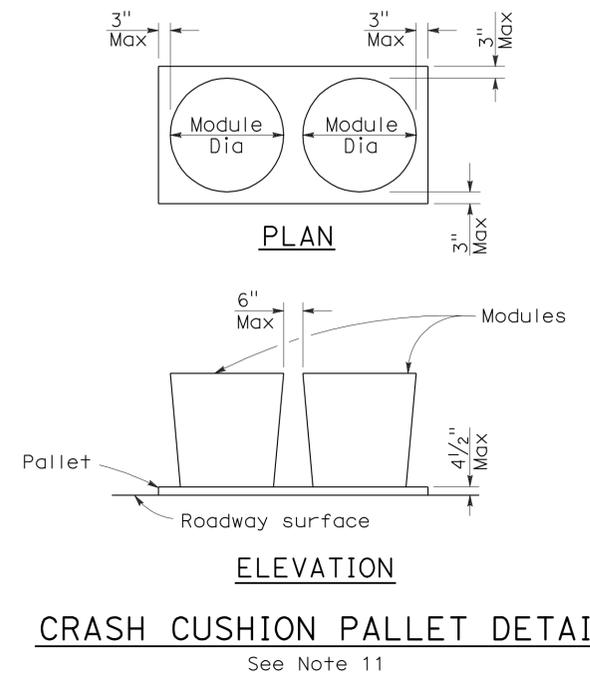
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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

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.



CRASH CUSHION PALLET DETAIL
See Note 11

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**
NO SCALE

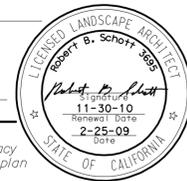
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

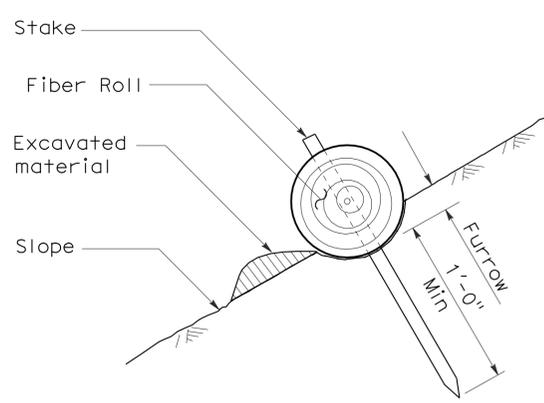
2006 REVISED STANDARD PLAN RSP T2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	83	84

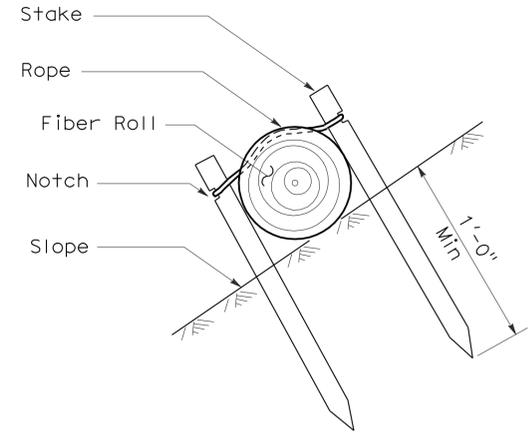
Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 April 3, 2009
 PLANS APPROVAL DATE
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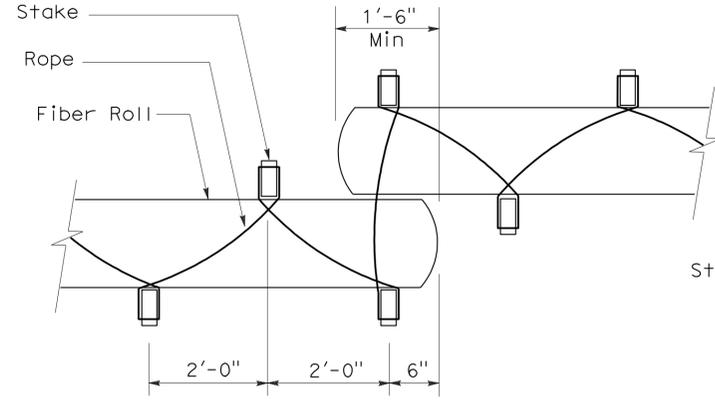
To accompany plans dated 5-10-10



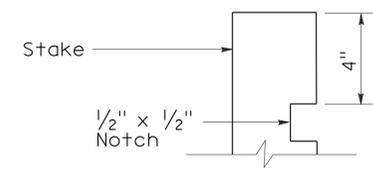
SECTION
TEMPORARY FIBER ROLL (TYPE 1)



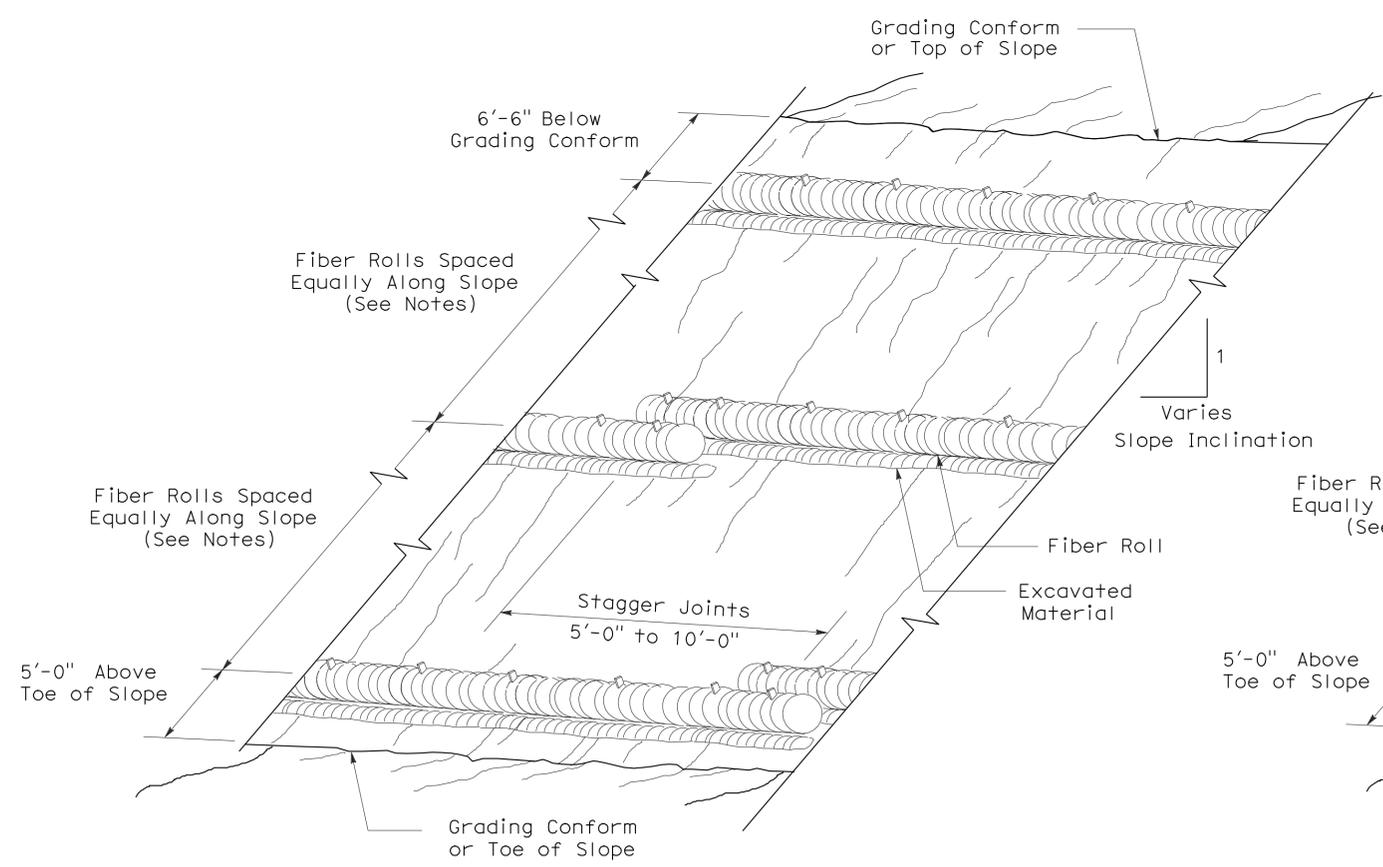
SECTION
TEMPORARY FIBER ROLL (TYPE 2)



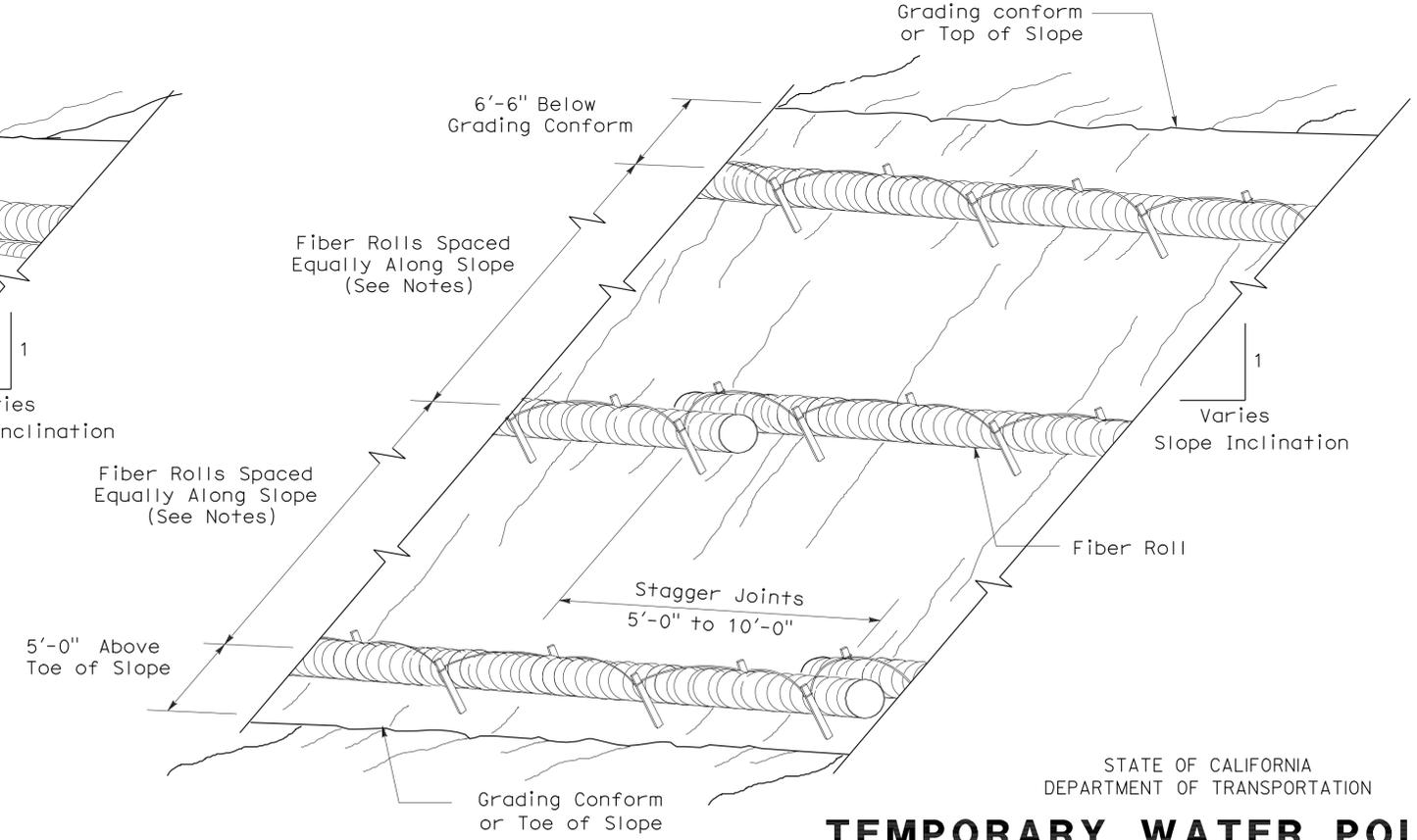
PLAN
ELEVATION
STAKE NOTCH DETAIL



- 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

FLEXIBLE SEDIMENT BARRIER SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	0 to 0.9	1 to 1.9	2 to 2.9	3 to 4	5+
INTERVAL BETWEEN BARRIERS	50'	35'	30'	25'	20'
ANGLE FROM FACE OF CURB	70°	70°	70°	45°	45°
SUGGESTED BARRIER LENGTH	6'	6'	6'	6'	6'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	60,91, 215	11.5/12.2, 20.3/21.6, 43.1/43.9	84	84

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT

August 15, 2008
 PLANS APPROVAL DATE

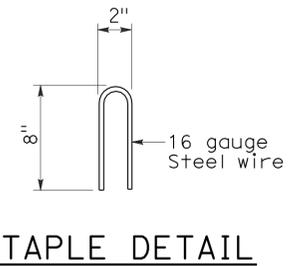
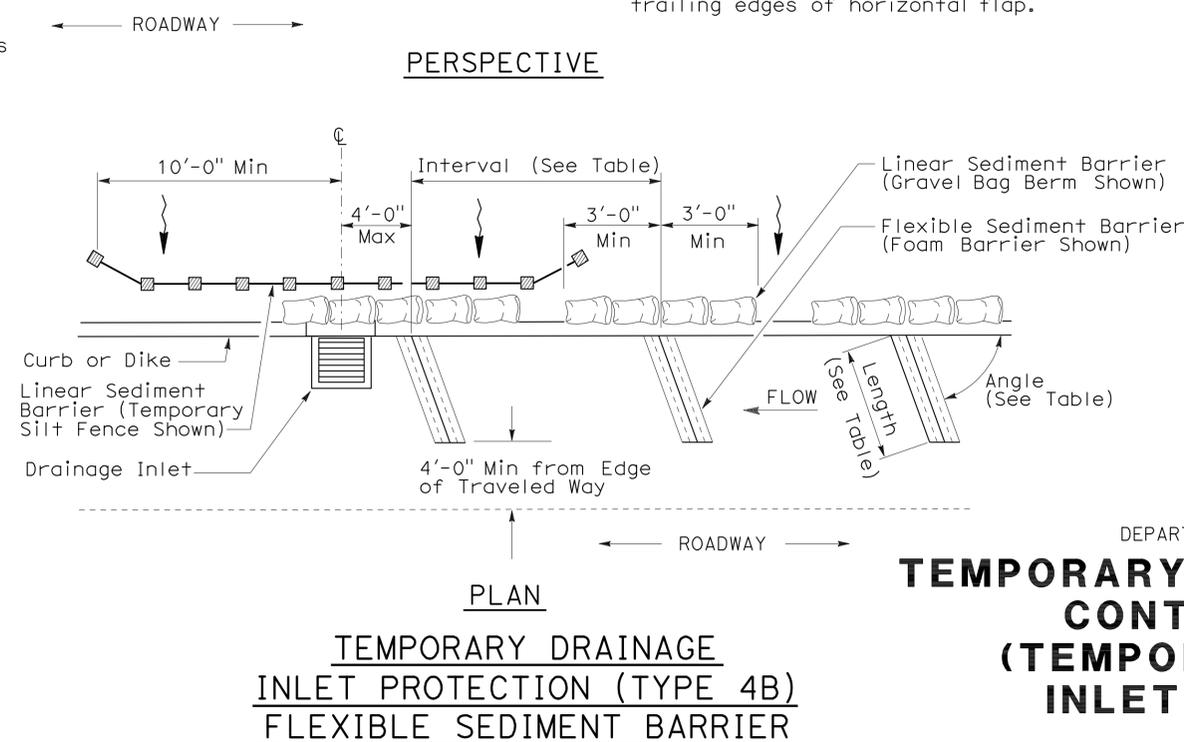
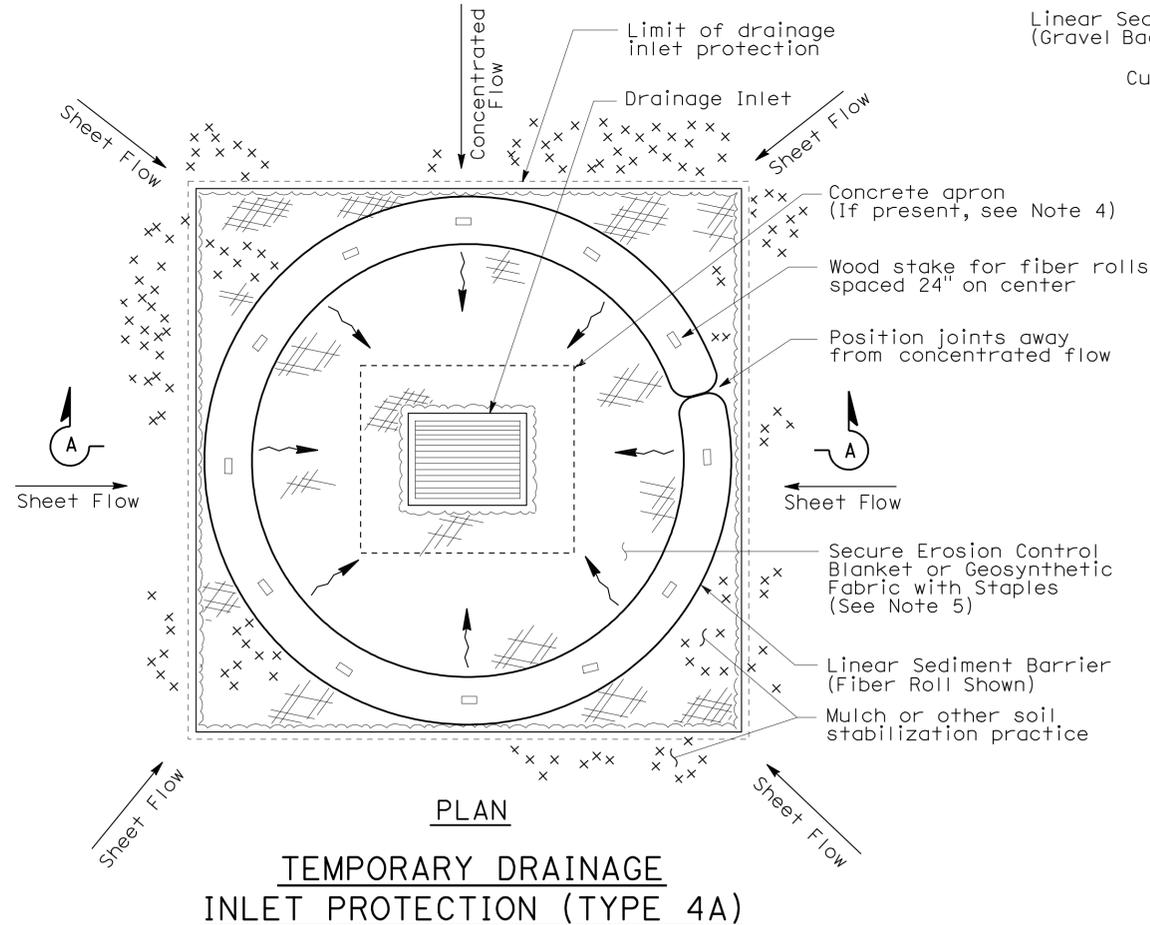
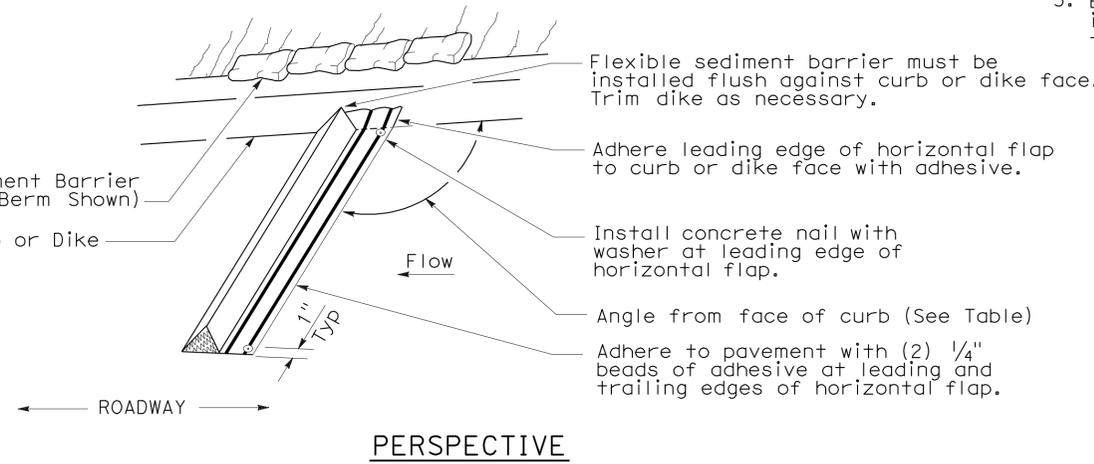
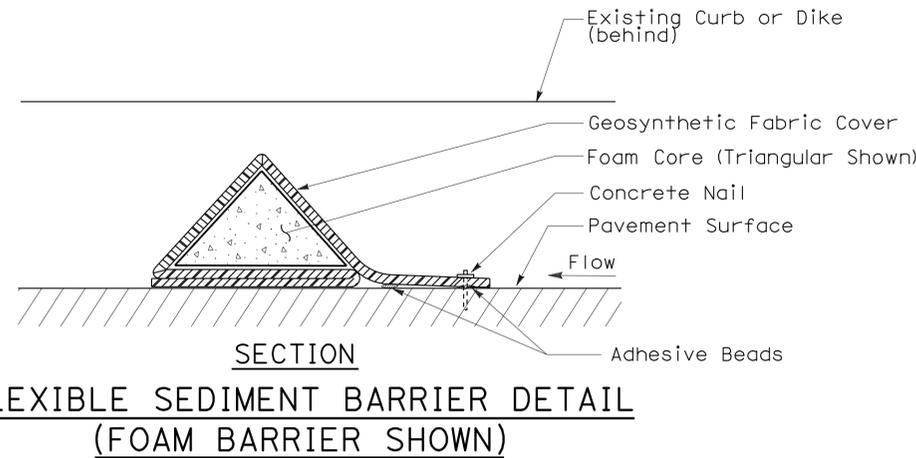
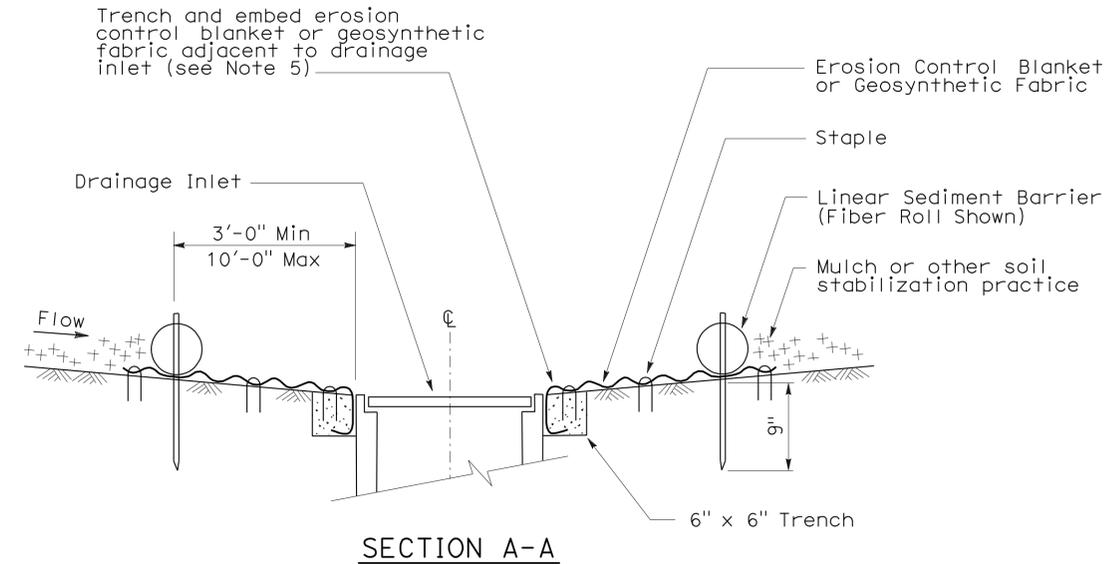
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STATE OF CALIFORNIA
 LICENSED LANDSCAPE ARCHITECT
 Robert B. Schott
 11-04-08
 08-11-08
 date

To accompany plans dated 5-10-10

NOTES:

- See Standard Plan T51 for Temporary Silt Fence.
- Dimensions may vary to fit field conditions.
- Install a minimum of 3 flexible sediment barriers upstream of each drainage inlet to be protected.
- Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
- Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated.



STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE
 NSP T63 DATED AUGUST 15, 2008 SUPPLEMENTS
 THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T63