Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	9	301

REGISTERED CIVIL ENGINEER 5-27-11 DATE

6-4-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jay Kin-Kwok Fong No. 72112 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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

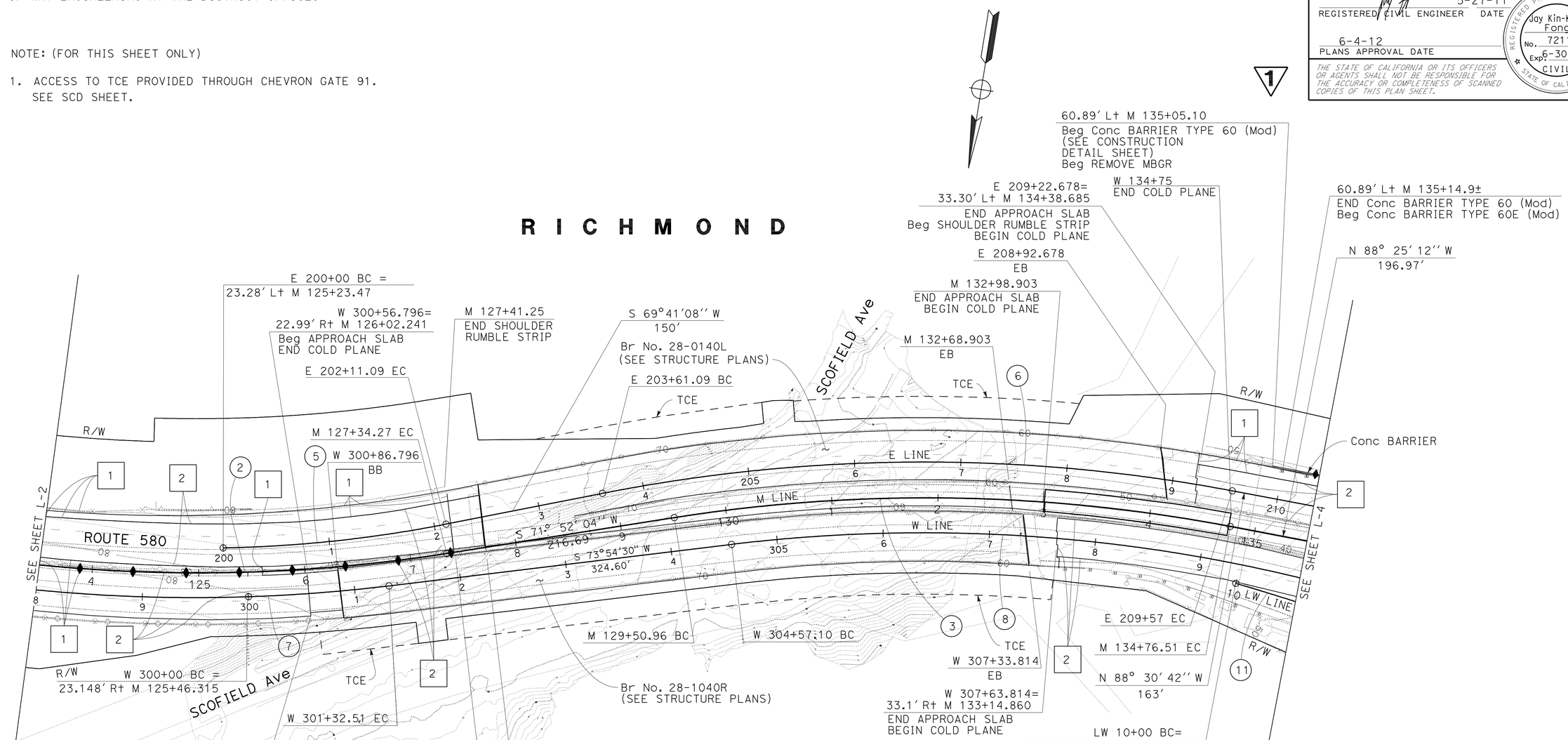
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

NOTE: (FOR THIS SHEET ONLY)

1. ACCESS TO TCE PROVIDED THROUGH CHEVRON GATE 91. SEE SCD SHEET.

R I C H M O N D



CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
2	1500'	49° 25' 49''	690.40'	1294.08'	2167747.457	6014997.982
3	1527.58'	19° 42' 44''	265.40'	525.55'	2167382.565	6013883.715
5	1200.01'	10° 04' 44''	105.82'	211.09'	2167542.208	6014446.081
6	1566.01'	21° 48' 09''	301.60'	595.91'	2167348.689	6013923.329
7	1523.01'	23° 47' 42''	320.88'	632.50'	2166108.006	6014812.683
8	1500.01'	30° 01' 43''	402.33'	786.15'	2167369.858	6013692.101
11	2959.43'	03° 50' 27''	99.23'	198.39'	2167454.456	6013506.322

1 REVISED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1'' = 50'

L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: VINCE BONNER
CALCULATED-DESIGNED BY: DAVID WILKERSON
CHECKED BY
REVISED BY: JF
DATE REVISED: 9/1/09

LAST REVISION 03-27-12
DATE PLOTTED => 27-SEP-2012
TIME PLOTTED => 11:12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	10	301

REGISTERED CIVIL ENGINEER 5-27-11 DATE

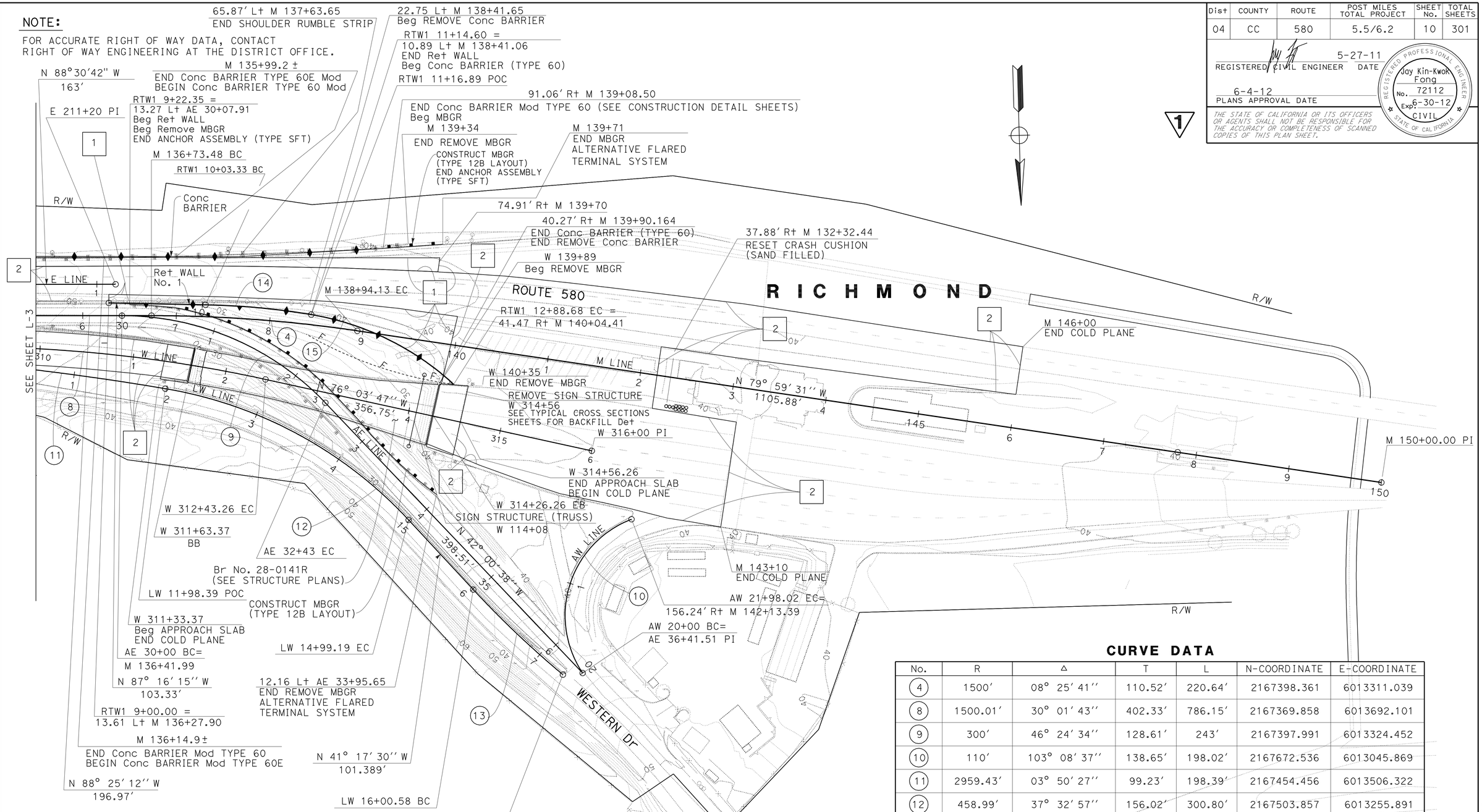
6-4-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jay Kin-Kwok Fong No. 72112 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
4	1500'	08° 25' 41''	110.52'	220.64'	2167398.361	6013311.039
8	1500.01'	30° 01' 43''	402.33'	786.15'	2167369.858	6013692.101
9	300'	46° 24' 34''	128.61'	243'	2167397.991	6013324.452
10	110'	103° 08' 37''	138.65'	198.02'	2167672.536	6013045.869
11	2959.43'	03° 50' 27''	99.23'	198.39'	2167454.456	6013506.322
12	458.99'	37° 32' 57''	156.02'	300.80'	2167503.857	6013255.891
13	1051.59'	07° 12' 08''	66.18'	132.19'	2167746.992	6013042.354
14	760.75'	08° 33' 09''	56.88'	113.56'	2167387.938	6013306.671
15	297.75'	33° 03' 25''	88.36'	171.79'	2167415.984	6013164.807

1 REVISED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT

SCALE: 1'' = 50'

L-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: VINCE BONNER
CALCULATED-DESIGNED BY: JAY FONG
CHECKED BY: DAVID WILKERSON
REVISED BY: JF
DATE REVISED: 9/1/09

LAST REVISION 03-20-12 | DATE PLOTTED => 27-SEP-2012 | TIME PLOTTED => 11:12

BORDER LAST REVISED 7/2/2010 | USERNAME => s121614 | DGN FILE => 0400000483ea004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0976 | PROJECT NUMBER & PHASE 04000004831

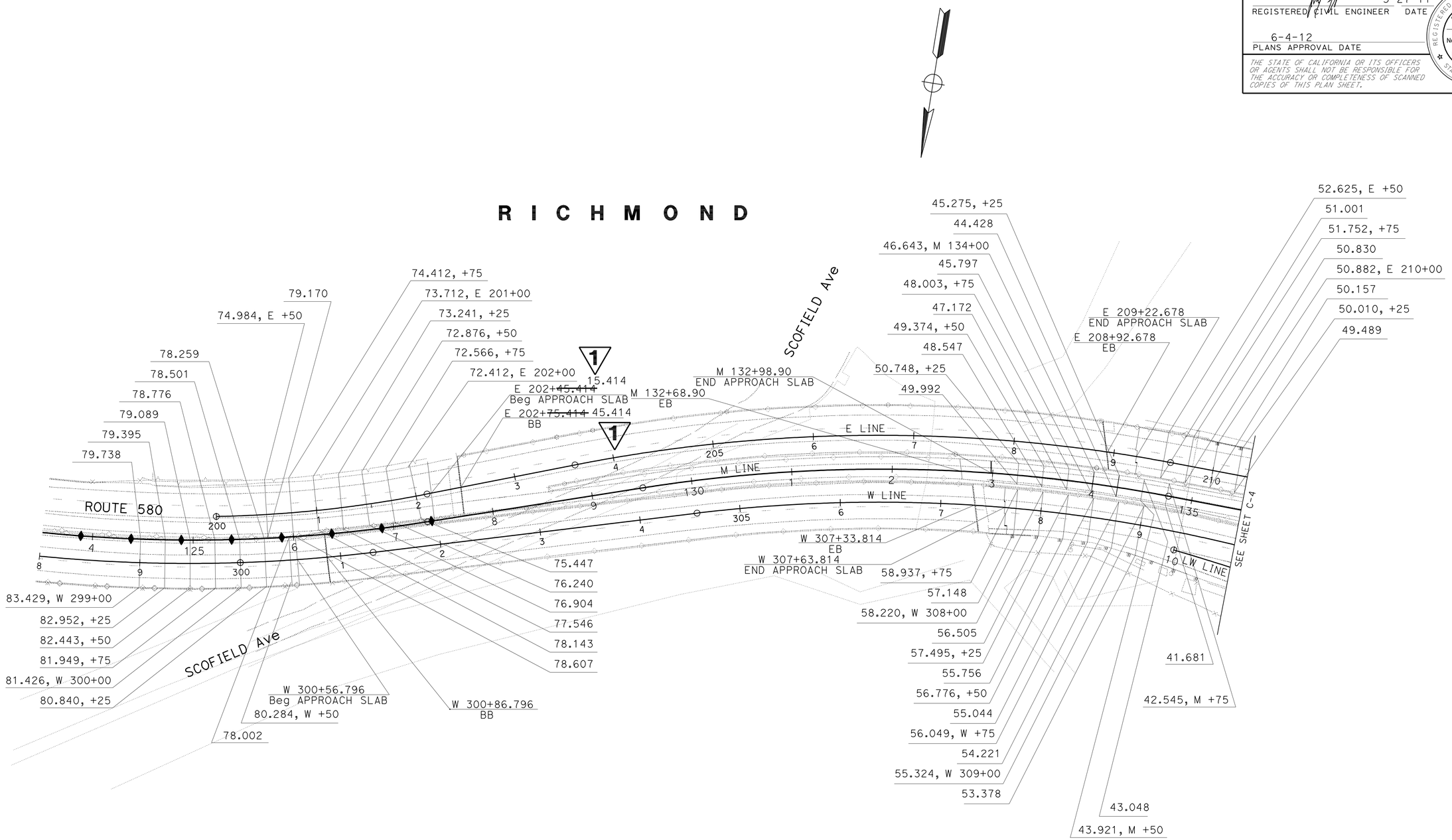
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	13	301

REGISTERED CIVIL ENGINEER 5-27-11 DATE

6-4-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jay Kin-Kwok Fong No. 72112 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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



CONSTRUCTION DETAILS
PAVEMENT ELEVATION PLAN

SCALE: 1" = 50'

1 REVISED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: VINCE BONNER
CALCULATED-DESIGNED BY: JAY FONG
CHECKED BY: DAVID WILKERSON
REVISED BY: JF
DATE REVISED: 9/1/09

LAST REVISION 03-30-12
DATE PLOTTED => 27-SEP-2012
TIME PLOTTED => 11:12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	21	301

REGISTERED CIVIL ENGINEER — DATE 5-26-11

6-4-12
PLANS APPROVAL DATE

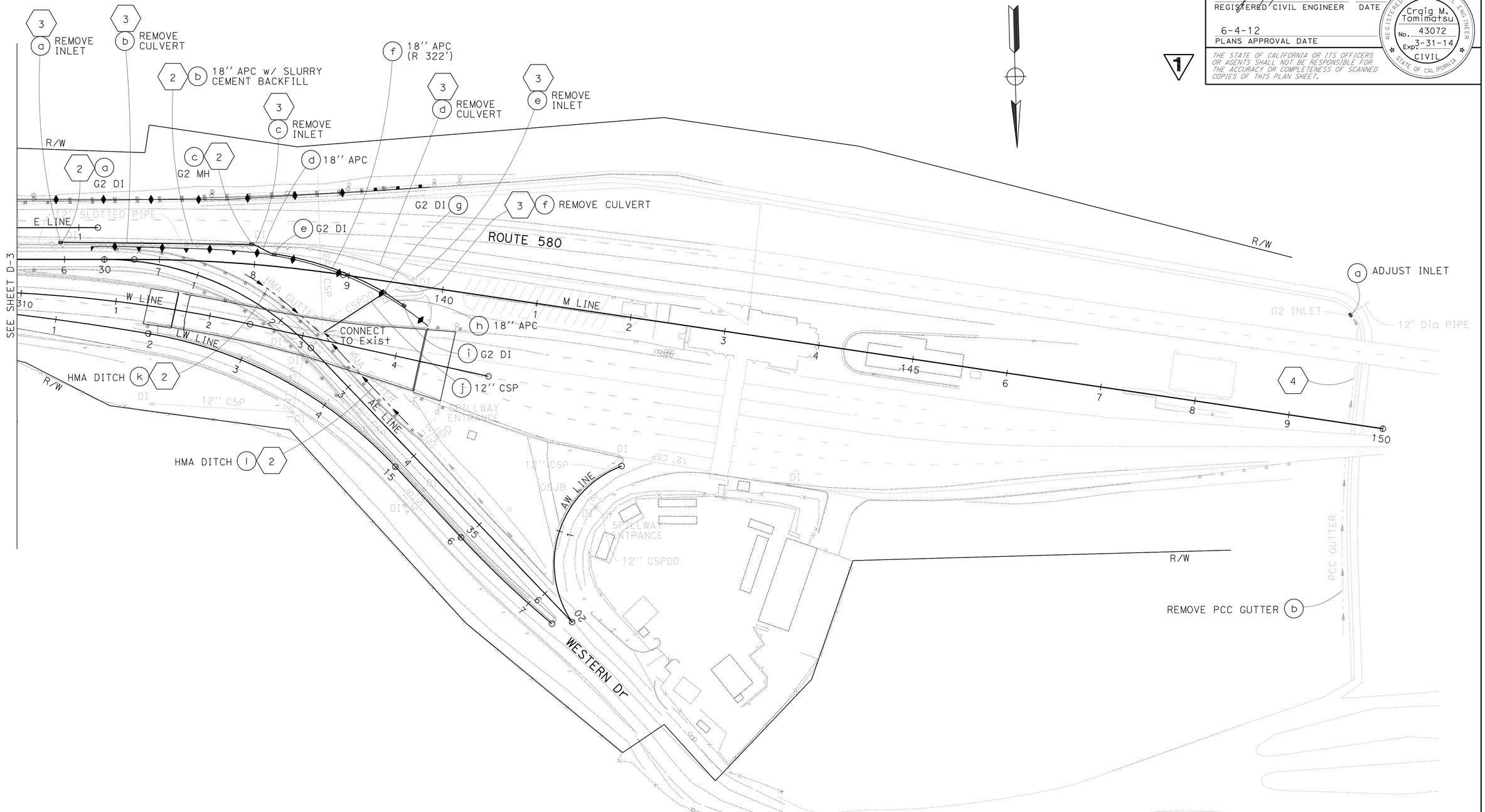
REGISTERED PROFESSIONAL ENGINEER — Craig M. Tomimatsu No. 43072 Exp. 3-31-14 CIVIL — STATE OF CALIFORNIA

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

1

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



1 **REVISED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012**

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET D-1

THIS PLAN FOR DRAINAGE WORK ONLY

DRAINAGE PLAN

SCALE: 1'' = 50'

D-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
HYDRAULICS

FUNCTIONAL SUPERVISOR: JOSEPH PETERSON
CALCULATED-DESIGNED BY: CRAIG TOMIMATSU
CHECKED BY: JOSEPH PETERSON
REVISED BY: CT
DATE REVISED: 10/18/10

LAST REVISION 05-04-11 | DATE PLOTTED => 27-SEP-2012 | TIME PLOTTED => 11:12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	25A	301

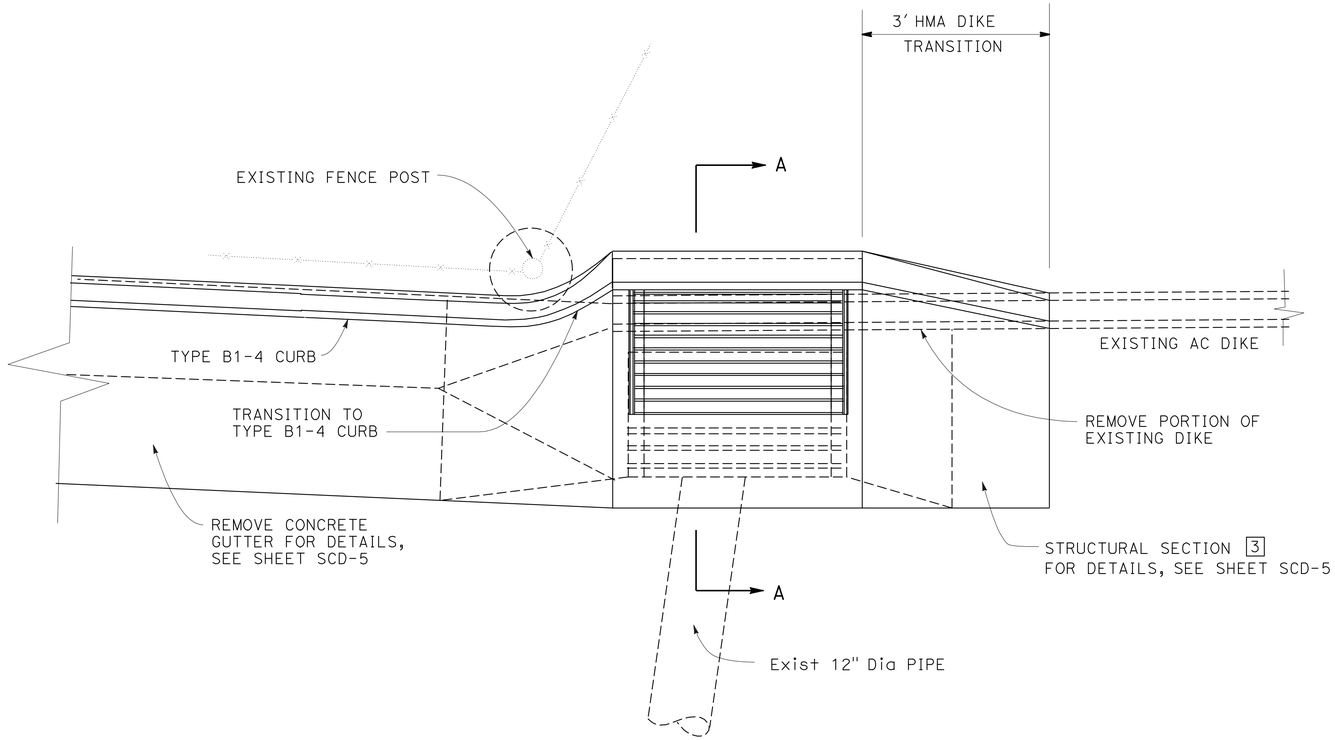
Craig M Tomimatsu 7-24-12
REGISTERED CIVIL ENGINEER DATE

6-4-12
PLANS APPROVAL DATE

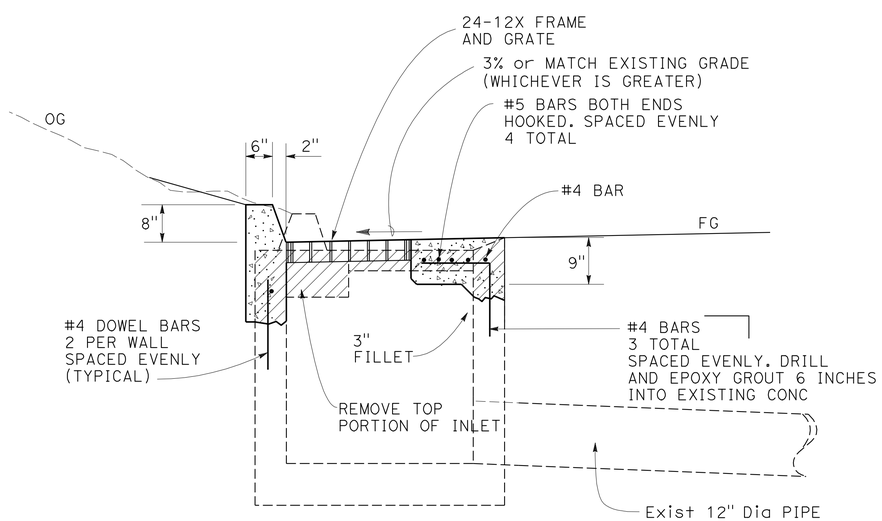
REGISTERED PROFESSIONAL ENGINEER Craig M. Tomimatsu No. 43072 Exp. 3-31-14 CIVIL STATE OF CALIFORNIA

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

1



PLAN



SECTION A-A

ADJUST INLET

4 a

1 **ADDED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012**

DRAINAGE DETAILS

NO SCALE

DD-3

REVISED BY	DATE REVISED
CT	11/24/10

CRAIG TOMIMATSU — CALCULATED-DESIGNED BY
JOSEPH PETERSON — CHECKED BY
FUNCTIONAL SUPERVISOR: JOSEPH PETERSON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
HYDRAULICS

LAST REVISION 05-26-11
DATE PLOTTED => 27-SEP-2012
TIME PLOTTED => 11:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	26	301

REGISTERED CIVIL ENGINEER Craig M. Tomimatsu DATE 5-26-11

PLANS APPROVAL DATE 6-4-12

REGISTERED PROFESSIONAL ENGINEER Craig M. Tomimatsu No. 43072 Exp. 3-31-14 CIVIL STATE OF CALIFORNIA

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

1

NOTE:

ALLOWABLE APC PIPE MATERIALS ARE RCP AND SMOOTH INTERIOR WALLED PLASTIC PIPE

ABBREVIATIONS:

D DOWNDRAIN JOINT TYPE
[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
S STANDARD JOINT TYPE
W WATERTIGHT JOINT TYPE
w/ WITH

DRAINAGE QUANTITIES

DRAINAGE SYSTEM No.	DRAINAGE UNIT	REMOVE CULVERT	REMOVE INLET	ADJUST INLET	18" APC	12" CORRUGATED STEEL PIPE (0.079" THICKNESS, Bit Ctd)	CONCRETE BACKFILL (RAPID STRENGTH CONCRETE)	MINOR CONCRETE (MINOR STRUCTURE)	STRUCTURE BACKFILL (SLURRY CEMENT)	FRAMES, GRATES & COVERS [N] 24-12	24-12X	U45	MISCELLANEOUS IRON & STEEL	HEIGHT OF INLET [N]	MAXIMUM COVER [N]	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	HOT MIX ASPHALT (TYPE A)	CLASS 2 AB	DITCH EXCAVATION	PIPE JOINT CLASSIFICATION	REMOVE CONCRETE (Misc)	DESCRIPTION	STATION	DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT
		LF	EA		LF		CY			EA			LB	FT		SQYD	TON	CY			CY					
1	a							0.9		1			326	3.0								G1 DI	1.3' Rt M 126+00	D-1	1	a
	b				59		7.1								2.1		9.7			S,W		18" APC w/ Conc Bkf (RAPID STRENGTH)	1.3' Rt M 126+00 TO 58.3' Lt M 126+00			b
	c							0.84			1		239	2.5								G1 DI IN HMA GUTTER	58.3' Lt M 126+00			c
	d				97				11.7						1.0					S,W		18" APC w/ SLURRY CEMENT Bkf	58.3' Lt M 126+00 TO 59.5' Lt M 127+00			d
	e										1		239	2.6								G1 DI IN HMA GUTTER	59.5' Lt M 127+00			e
	f				54				6.5						1.5					S,W		18" APC w/ SLURRY CEMENT Bkf	59.5' Lt M 127+00 TO 61.4' Lt M 127+70			f
	g															49	10.9					HMA LINED GUTTER	56.8' Lt M 124+60 TO 61.4' Lt M 127+75			g
	h			1							1		239									ADJUST G2 INLET IN HMA GUTTER	61.4' Lt M 127+68			h
2	a							1.74		1			326	4.7								G2 DI	17'± Lt M 135+96	D-2	2	a
	b				196				64.4						3.3		62.8	7.0		S,W		18" APC w/ SLURRY CEMENT Bkf	17' Lt M 135+96 TO 21' Lt M 137+95			b
	c							1.77				1	435	4.8								G2 MH	21'± Lt M 137+95			c
	d				24										3.3					S,W		18" APC	21' Lt M 137+95 TO 12.04' Lt M 138+20			d
	e							1.75			1		239	4.74								G2 DI	12.04' Lt M 138+20			e
	f				118										3.8					S,W		18" APC (R=332')	11.34' Lt M 138+30 TO 13.07' Rt M 139+40			f
	g							1.94			1		239	5.47								G2 DI	13.07' Rt 139+40			g
	h				19										3.8					S,W		18" APC	13.07' Rt M 139+40 TO 23.52' Rt M 139+62			h
	i							1.56			1		239	4.0								G2 DI	23.52' Rt M 139+62			i
	j					82									4.3					D		12" CSP	13.07' Rt M 139+40 TO 21' Lt AE 32+41			j
	k															39	8.7		10.6			HMA LINED V-DITCH	19' Lt AE 31+43 TO 19' Lt AE 32+41			k
	l															51	11.4		14			HMA LINED V-DITCH	19' Lt AE 32+41 TO 19' Lt AE 33+72			l
3	a		1																			REMOVE INLET	17'± Lt M 135+96	D-2	3	a
	b	190																				REMOVE 12" CSP CULVERT	17' Lt M 135+96 TO 21' Lt M 137+86			b
	c		1																			REMOVE INLET	21' Lt M 137+86			c
	d	180																				REMOVE 12" CSP CULVERT	21' Lt M 137+86 TO 8' Lt M 139+63			d
	e		1																			REMOVE INLET	8' Lt M 139+63			e
	f	90																				REMOVE 12" CSP CULVERT	8' Lt M 139+63 TO 21' Lt AE 32+41			f
4	a			1							1		239									ADJUST INLET	SEE SHEET DD-3	D-4	4	a
4	b																				8.1	REMOVE GUTTER	SEE SHEET SCD-5	D-4	4	b
SHEET TOTAL		460	3	2	567	82	7.1	10.5	82.6	2	7	1	2760			139	103.5	7.0	24.6		8.1		SHEET TOTAL			

1 **REVISED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012**

DRAINAGE QUANTITIES DQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans HYDRAULICS

CRAIG TOMIMATSU — REVISED BY — CT
JOSEPH PETERSON — DATE REVISED — 12/9/10
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR — JOSEPH PETERSON

LAST REVISION 05-26-11
DATE PLOTTED => 27-SEP-2012
TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	43	301

REGISTERED CIVIL ENGINEER 5-27-11 DATE

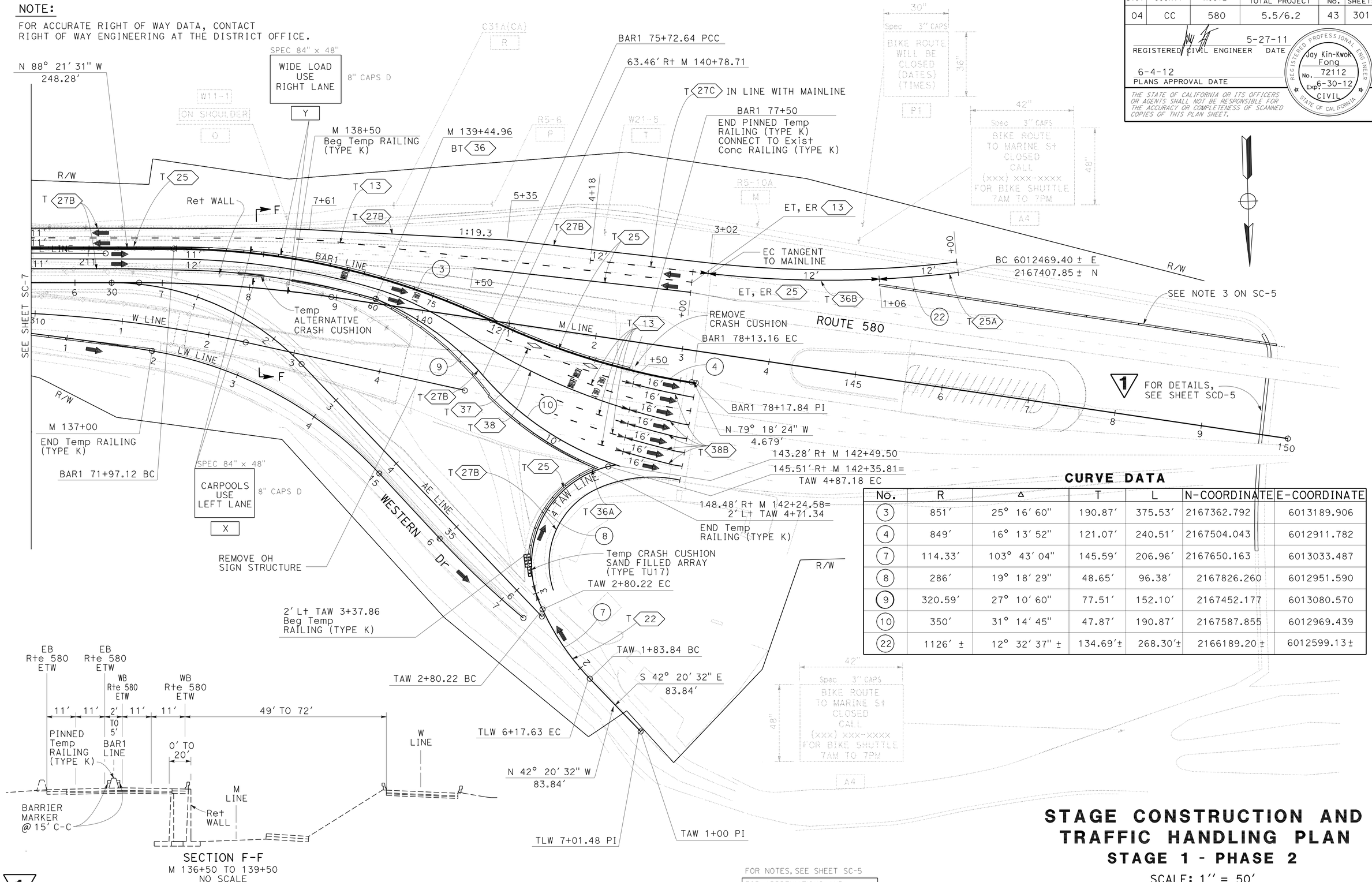
6-4-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jay Kin-Kwok Fong No. 72112 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
3	851'	25° 16' 60"	190.87'	375.53'	2167362.792	6013189.906
4	849'	16° 13' 52"	121.07'	240.51'	2167504.043	6012911.782
7	114.33'	103° 43' 04"	145.59'	206.96'	2167650.163	6013033.487
8	286'	19° 18' 29"	48.65'	96.38'	2167826.260	6012951.590
9	320.59'	27° 10' 60"	77.51'	152.10'	2167452.177	6013080.570
10	350'	31° 14' 45"	47.87'	190.87'	2167587.855	6012969.439
22	1126' ±	12° 32' 37" ±	134.69'±	268.30'±	2166189.20 ±	6012599.13±

STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

STAGE 1 - PHASE 2

SCALE: 1'' = 50'

1 REVISED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012

FOR NOTES, SEE SHEET SC-5

FOR ABBREVIATIONS AND LEGENDS, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

SC-8

JF	9/2/09
REVISED BY	DATE REVISED
JAY FONG	DAVID WILKERSON
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	VINCE BONNER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DESIGN

Caltrans

LAST REVISION 03-30-12 | DATE PLOTTED => 27-SEP-2012 TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	59	301

REGISTERED CIVIL ENGINEER DATE 5-27-11

PLANS APPROVAL DATE 6-4-12

REGISTERED PROFESSIONAL ENGINEER Jay Kin-Kwok Fong No. 72112 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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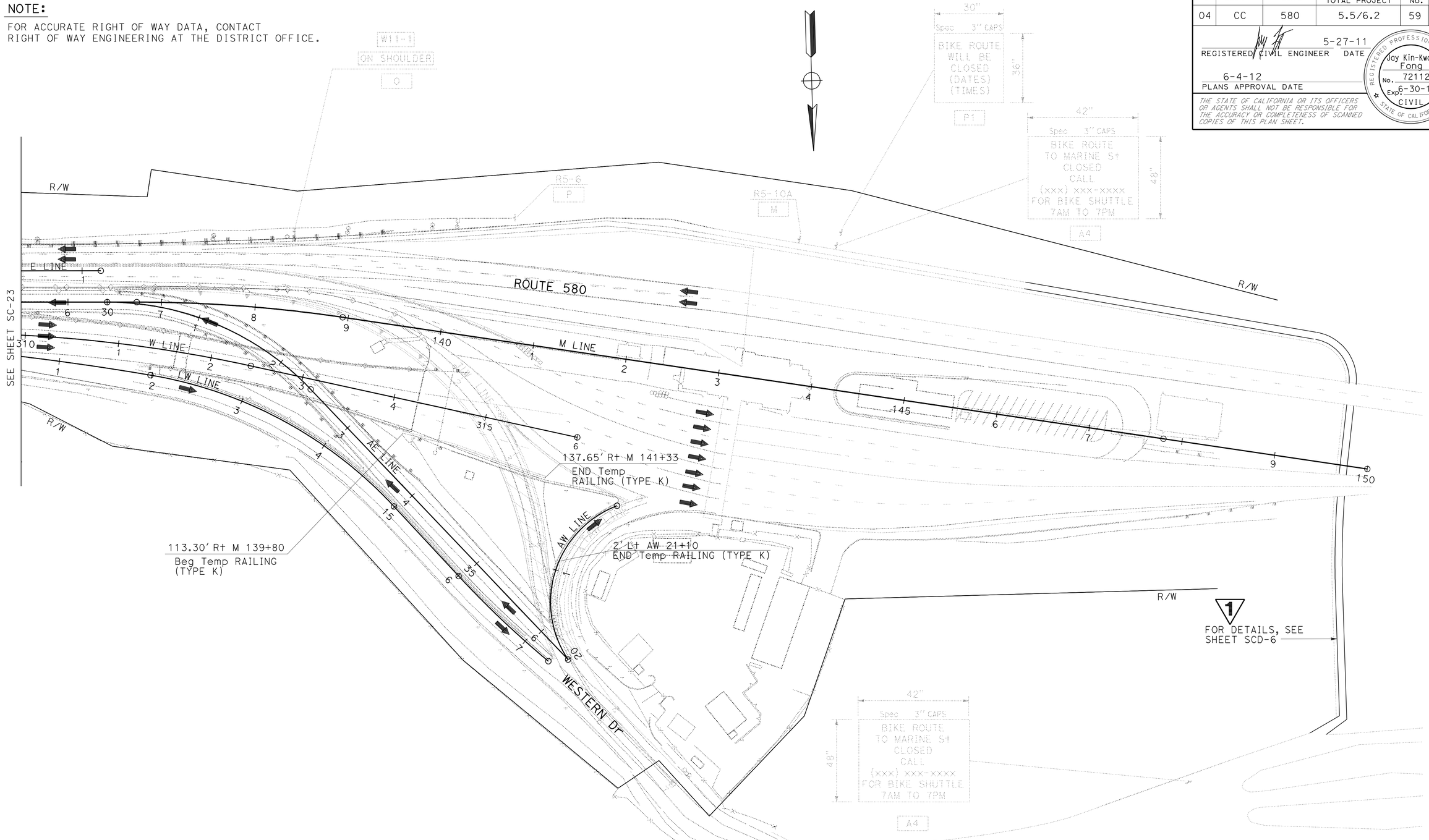
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



1 REVISED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012

FOR NOTES, SEE SHEET SC-21

FOR ABBREVIATIONS AND LEGENDS, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

STAGE 2 - PHASE 2

SCALE: 1'' = 50'

SC-24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

FUNCTIONAL SUPERVISOR: VINCE BONNER

CALCULATED-DESIGNED BY: JAY FONG

CHECKED BY: DAVID WILKERSON

REVISED BY: JF

DATE REVISED: 9/2/09

LAST REVISION 03-27-12

DATE PLOTTED => 27-SEP-2012

TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	67A	301

REGISTERED CIVIL ENGINEER 5-27-12 DATE

6-4-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER David S. Wilkerson No. 53769 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA

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

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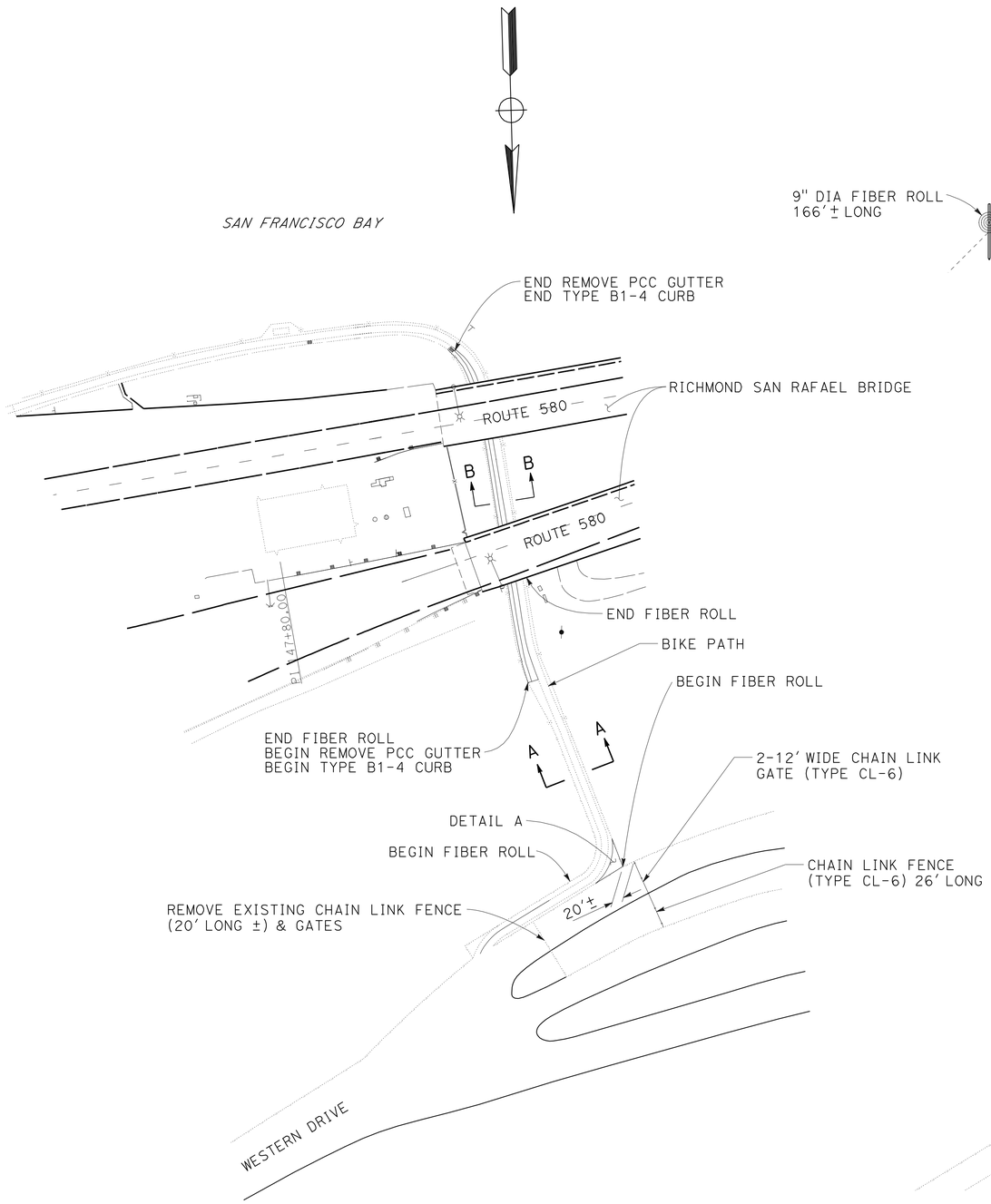
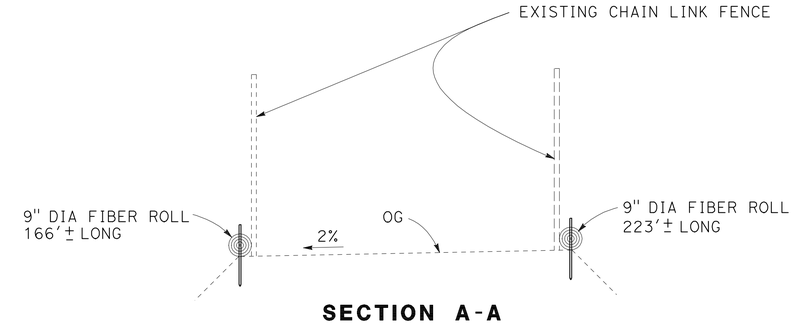
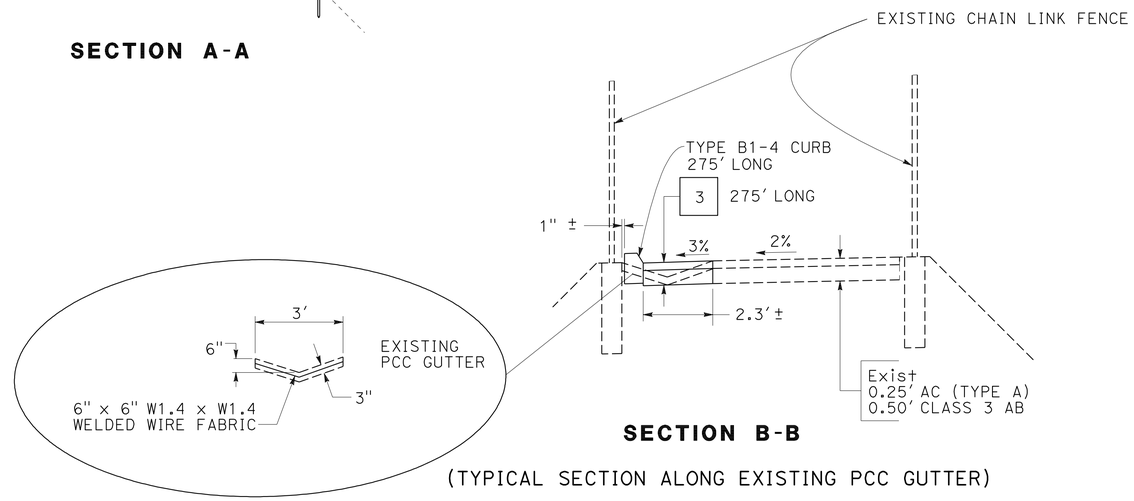


PLAN VIEW OF BIKE PATH

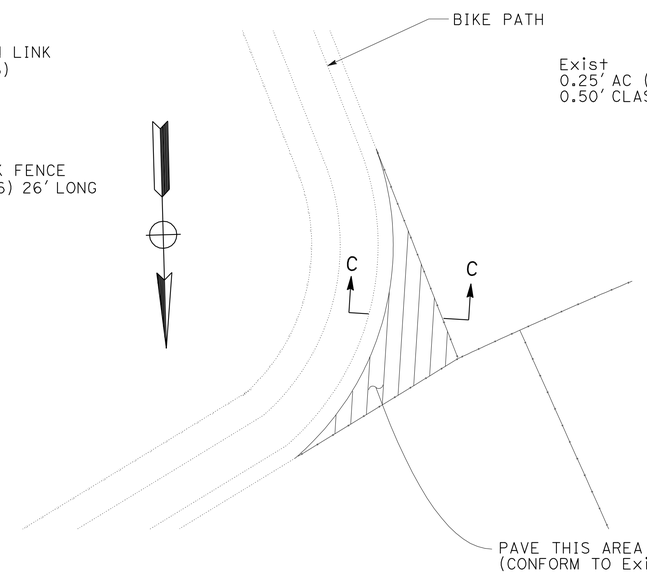


SECTION A-A

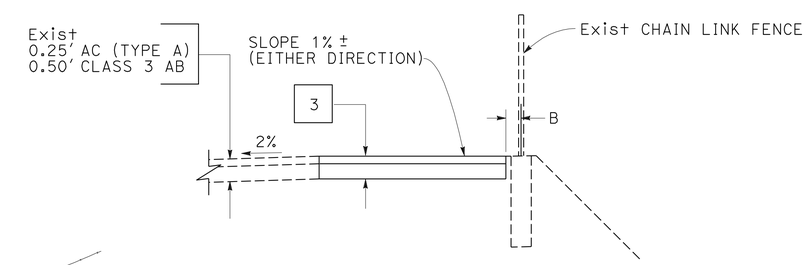


SECTION B-B

(TYPICAL SECTION ALONG EXISTING PCC GUTTER)



DETAIL A



SECTION C-C

NOTE:
FOR QUANTITIES, SEE Q SHEETS

TYPICAL PAVEMENT STRUCTURAL SECTION

3	0.25' HMA (TYPE A) 0.50' CLASS 2 AB

1 **ADDED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012**

STAGE CONSTRUCTION DETAILS

NO SCALE

SCD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: VINCE BONNER
CALCULATED-DESIGNED BY: DAVID WILKERSON
CHECKED BY: JAY FONG
REVISED BY: DW
DATE REVISED: 7/12/12

LAST REVISION 07-16-12
DATE PLOTTED => 27-SEP-2012
TIME PLOTTED => 13:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	67B	301

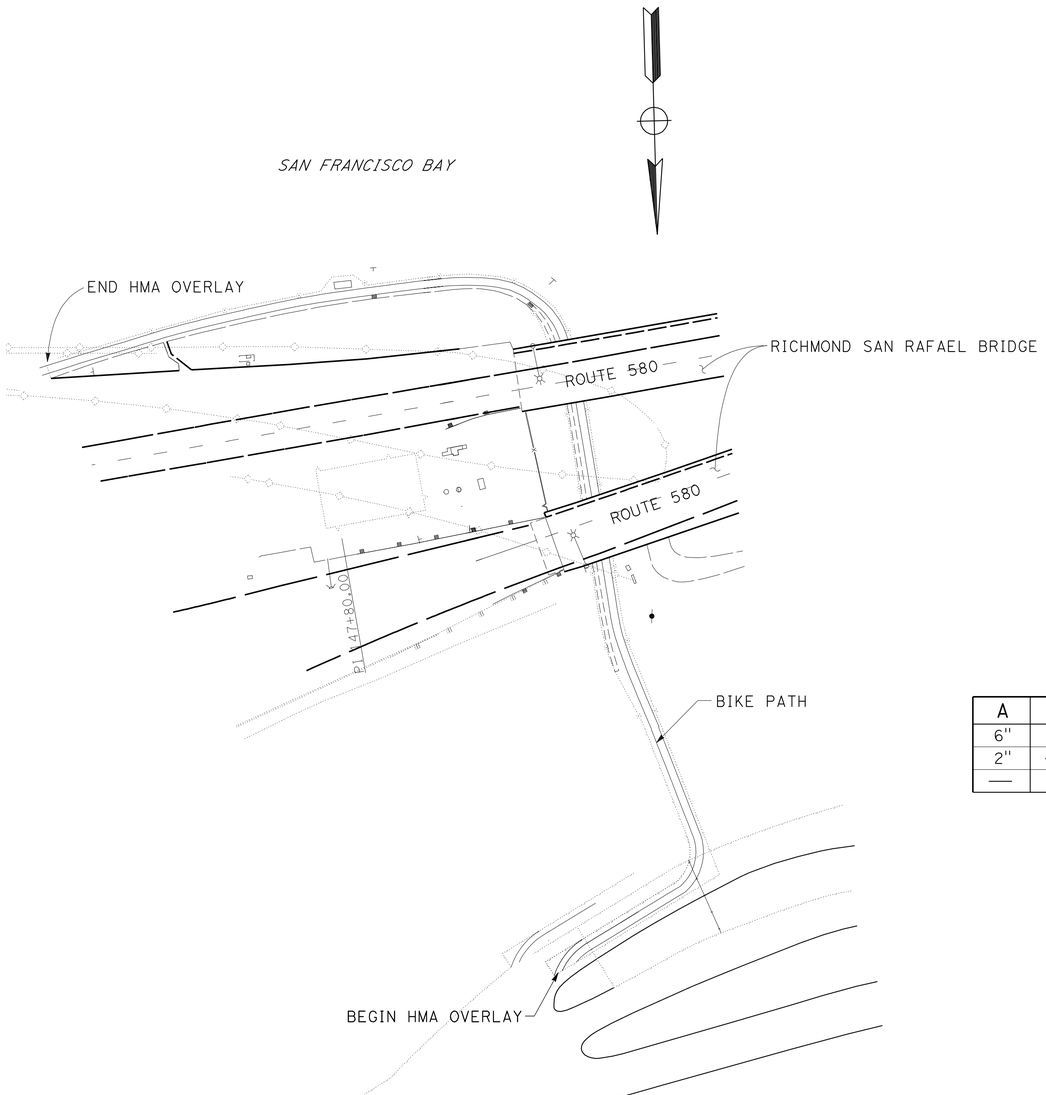
1

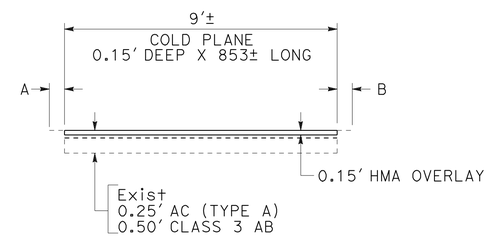
REGISTERED CIVIL ENGINEER 5-27-11 DATE

6-4-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER David S. Wilkerson No. 53769 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA

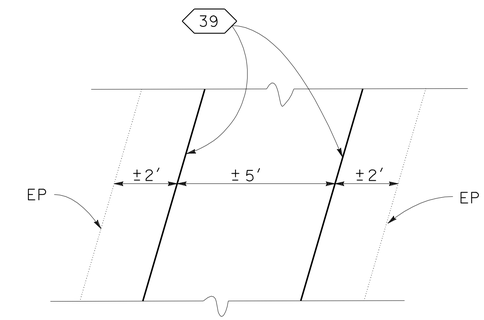
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.





TYPICAL BIKE PATH SECTION

A	B	MEASURED FROM
6"	6"	CENTERLINE OF EXISTING FENCE & HAND RAILING POSTS
2"	—	FACE OF EXISTING RETAINING WALL
—	2"	TOE OF EXISTING AC DIKE



TYPICAL STRIPING DETAIL

NOTE:
FOR QUANTITIES, SEE Q SHEETS

1 ADDED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012

STAGE CONSTRUCTION DETAILS

NO SCALE

SCD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: VINCE BONNER
CALCULATED-DESIGNED BY: JAY FONG
CHECKED BY: DAVID WILKERSON
REVISED BY: JF
DATE REVISED: 9/1/09

LAST REVISION 03-28-12
DATE PLOTTED => 27-SEP-2012
TIME PLOTTED => 11:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	580	5.5/6.2	94	301

1

REGISTERED CIVIL ENGINEER 5-27-11 DATE

6-4-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER David S. Wilkerson No. 53769 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA

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METAL BEAM GUARD RAILING

STATION	LOCATION	LAYOUT (N)	MBGR (STEEL POST)	ALTERNATIVE FLARED TERMINAL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)	TRANSITION RAILING (TYPE WB)	REMOVE MBGR
			LF	EA			LF
M 108+35 TO 108+97.50	L†	12B		1	1	1	62.5
M 116+25 TO 118+50	R†	MATCH Exist	200		1	1	225.0
M 135+05.10 TO 139+71	L†	12B		1		1	428.9
AE 30+06.79 TO 33+95.65	L†	12B	326	1	1	1	388.9
TOTAL			526	3	3	4	1105.3

SHOULDER RUMBLE STRIP

STATION	LOCATION	STA*
M 115+15.80 TO 126+02.70	R†	10.87
M 117+74.35 TO 127+41.25	L†	9.67
M 134+37.88 TO 137+63.65	L†	3.26
TOTAL		23.80

* HMA, ROLLED-IN INDENTATIONS

ROADWAY ITEMS

STATION	ROADWAY EXCAVATION	ROADWAY EXCAVATION (TYPE Z-2) ADL	DITCH EXCAVATION	EMBANKMENT (N)	IMPORTED BORROW	CLASS 2 AGGREGATE BASE	CONCRETE BACKFILL (RAPID STRENGTH)	MINOR CONCRETE (MINOR STRUCTURE)	STRUCTURE BACKFILL (SLURRY CEMENT)	PLACE HMA (Misc AREA)	HMA (TYPE A)	TACK COAT	LIQUID ASPHALT (PRIME COAT)
	CY									SQYD	TON		
M 109+00 TO 113+50											282.00	1.0	
M 113+50 TO 115+15.80											174.00	0.7	
M 115+15.80 TO 117+74.35	159					30					547.00	1.1	0.21
M 117+74.35 TO 125+60	990					183					2568.00	3.2	1.31
M 125+60 TO 126+02.70	31					6					93.00	0.2	0.04
M 126+02.70 TO 127+41.25	98					18					244.00	0.4	0.13
M 133+14.53 TO 134+37.88											54.00	0.3	
M 134+37.88 TO 136+27.90	161					30					399.00	0.7	0.18
M 136+27.90 TO 137+20	111					21					216.00	0.4	0.11
M 137+20 TO 138+15.04	326				500	60					282.00	0.4	0.15
M 138+15.04 TO 139+89											1133.00	0.4	0.79
M 139+89 TO 146+00											1423.00		
FOR SIGN FOUNDATION BACKFILL							1.0				0.01		
RTW1 9+88 TO 11+88		352											
FROM STAGE CONSTRUCTION SHEETS	1046			149		31					1845.00	4.1	0.02
FROM DRAINAGE SHEETS			24.6			7	7.1	10.5	82.6	139	103.50		
FROM TEMPORARY DRAINAGE SHEETS						2	7.6				32.90		
FROM PAVEMENT Elev SHEETS											404.00	3.0	
FROM BIKE PATH (SHEET SCD-6)						22.9					110.4	0.5	
TOTAL	2922	352	24.6	149	500	410.9	15.7	10.5	82.6	139	9910.81	16.4	2.94

(N) NOT A SEPARATE PAY ITEM. FOR INFORMATION ONLY

COLD PLANE ASPHALT CONCRETE PAVEMENT (Max DEPTH, 0.15')

STATION	SQYD
M 109+00 TO 113+50	2619
M 113+50 TO 115+15.80	1612
M 115+15.80 TO 117+74.35	2489
M 117+74.35 TO 125+60	7847
M 125+60 TO 126+02.70	366
M 126+02.70 TO 127+41.25	843
M 133+14.53 TO 134+37.88	681
M 134+37.88 TO 136+27.90	1687
M 136+27.9 TO 137+20	861
M 137+20 TO 138+15.04	761
M 138+15.04 TO 139+89	793
M 139+89 TO 146+00	13504
FROM BIKE PATH (SHEET SCD-6)	1010
TOTAL	35073

REMOVE CONCRETE BARRIER

STATION	LOCATION	LF
M 115+15.80 TO 127+41.25	MEDIAN	1225
M 138+41.65 TO 139+90.164	L†/R†	163
TOTAL		1388

RESET CRASH CUSHION (SAND FILLED)

STATION	LOCATION	EA
M 132+32.44	R†	1

MINOR CONCRETE (CURB)

LOCATION	CY
SHEET SCD-5	6.0

CONCRETE BARRIER

STATION	LOCATION	TYPE 60	TYPE 60C	TYPE 60 (Mod)	TYPE 60E (Mod)
		LF			
M 115+15.80 TO 127+41.25	MEDIAN		1225.45		
M 135+05.10 TO 135+14.9±	L†			9.80	
M 135+14.9± TO 135+99.2±	L†				84.30
M 135+99.2± TO 139+08.50	L†			309.30	
M 138+41.65 TO 140+04.40	L†/R†	163			
TOTAL		163	1225.45	319.10	84.30

CHAIN LINK FENCE

LOCATION	REMOVE CHAIN LINK FENCE	REMOVE GATE	CHAIN LINK FENCE (TYPE CL-6)	12' CHAIN LINK GATE (TYPE CL-6)
	LF	EA	LF	EA
SEE SHEET SCD-5	20	2		
SEE SHEET SCD-5			26	
SEE SHEET SCD-5				2

1 REVISED PER ADDENDUM No. 1 DATED SEPTEMBER 28, 2012

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: VINCE BONNER
CALCULATED-DESIGNED BY: DAVID WILKERSON — DW
CHECKED BY: JAY FONG
REVISED BY — DATE REVISED: 1/11/11

LAST REVISION 03-16-12 | DATE PLOTTED => 27-SEP-2012 | TIME PLOTTED => 11:13