Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	401	2028

REGISTERED CIVIL ENGINEER 3-29-10 DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ALAN R. BISI No. C62808 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.

ALTERNATIVE PIPE ALLOWABLE PIPE MATERIAL AND PROTECTION

DESIGNATION	RCP	CSP (2-2/3"x½")			SSRP (3/4"x1" @ 11-1/2" PITCH)			PPC(C)	PPC(D,S)
	SIZE (INCH)	SIZE (INCH)	BITUM. COAT. THICKNESS	PA/PS THICKNESS	SIZE (INCH)	BITUM. COAT. THICKNESS	PA/PS THICKNESS	SIZE (INCH)	SIZE (INCH)
6" APC									6
12" APC TYPE A		12	0.064"	0.052"				12	
12" APC TYPE B					12	0.064"	0.052"		12
12" APC TYPE C	12				12	0.064"	0.052"		12
18" APC TYPE A	18	18	0.064"	0.052"	18	0.064"	0.052"		
18" APC TYPE B	18	18	0.064"	0.052"				18	
18" APC TYPE C		18	0.064"	0.052"				18	
18" APC TYPE D	18				18	0.064"	0.052"		
18" APC TYPE E	18	18	0.064"	0.052"				18	18
18" APC TYPE F	18								18
24" APC		24	0.079"	0.064"				24	
30" APC	30				30	0.079"	0.064"		30
30"x10" ARCH		30x10	0.079"	0.064"	30x10	0.079"	0.064"		
48" APC		48	0.079"	0.064"					

LEGENDS AND ABBREVIATIONS

S - STANDARD JOINT TYPE
P - POSITIVE JOINT TYPE
D - DOWNDRAIN JOINT TYPE
RCP - REINFORCED CONCRETE PIPE
PPC(C) - PLASTIC PIPE CULVERT, TYPE C (CORRUGATED INTERIOR WALL)
PPC(D,S) - PLASTIC PIPE CULVERT, TYPE D OR S (SMOOTH INTERIOR WALL)
CSP - CORRUGATED STEEL PIPE
CAP - CORRUGATED ALUMINUM PIPE
SSRP - STEEL SPIRAL RIBBED PIPE
GA. - GAUGE
BITUM. - BITUMINOUS
PA - POLYMERIZED ASPHALT
PS - POLYMERIC SHEET
w/ - WITH
Ω - SEE DRAINAGE DETAIL

Notes:

1. SUFFICIENT SPACE WAS NOT AVAILABLE TO LIST ALL DRAINAGE ITEMS WITHIN A SINGLE TABLE ON A SHEET BORDER, THEREFORE THE LISTING OF THE FIRST GROUPING OF DRAINAGE ITEMS ARE REPEATED ON THE ODD NUMBERED ID CODE SHEETS (DQ-1, DQ-3, ETC.) AND THE LISTINGS OF THE REMAINING GROUP OF DRAINAGE ITEMS ARE REPEATED ON THE EVEN NUMBERED ID CODE SHEETS (DQ-2, DQ-4, ETC.).
2. THE PRECISE DETERMINATION OF THE FOLLOWING ITEMS WILL BE MADE BY THE ENGINEER IN THE FIELD: STATION, SKEW, LENGTH, FL ELEVATION, AND DEPTH OF STRUCTURE.
3. (N) - NOT A SEPARATE PAY ITEM; FOR INFORMATION ONLY.
4. * - SEE ROADWAY QUANTITIES FOR DRAINAGE ITEM TOTAL

CSP 12" (14 GA.) LF	CSP 18" (14 GA.) LF	CSP 36" (10 GA.) LF	CSP 12" RISER (14 GA.) LF	CSP 48" RISER (10 GA.) LF	CSP 18" SLOTTED PIPE (14 GA.) LF	CSP 21" SLOTTED PIPE (14 GA.) LF	CSP 24" SLOTTED PIPE (14 GA.) LF	ALTERNATIVE PIPE 6" AP (TYPE __) LF	ALTERNATIVE PIPE 12" AP (TYPE __) LF	ALTERNATIVE PIPE 18" AP (TYPE __) LF	ALTERNATIVE PIPE 24" AP (TYPE __) LF	ALTERNATIVE PIPE 30" AP (TYPE __) LF	ALTERNATIVE PIPE 48" AP (TYPE __) LF	ALTERNATIVE PIPE 30" X 10" AP ARCH PIPE (TYPE __) LF	MAXIMUM COVER (N) FT	ELBOW (N) EA	PIPE JOINT CLASSIFICATION	8" GALVANIZED STEEL PIPE LF	8" GATE VALVE w/ SLEEVE & COVER EA	AFES 12" AFES EA	PIPE RISER 8" AP SLIPJOINT (N) EA	PIPE RISER 12" AP SLIPJOINT (N) EA	CABLE RAILING LF	ADJUST INLET EA	MODIFY INLET EA	REMOVAL/ABANDON PAY ITEMS REMOVE CONCRETE CY	REMOVE PIPE LF	REMOVE INLET EA	ABANDON INLET EA	ABANDON PIPE LF	SAND BACKFILL CY	CAP RISER EA	CAP INLET EA	DESCRIPTION	STATION	DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO. ⬡	DRAINAGE UNIT ◯
																																	Parkway Drain	30' RT LIME ST. 21+75	D-16	133	a
																																	Parkway Drain	53.3' RT. LIME ST. 26+35	D-17	134	a
																																	Parkway Drain	40.13' RT UNIVERSITY AVE 3+98.4	D-17	135	a
57.0															5.0		S																12" CSP		D-3	136	a
																			1														MAIN VALVE	167' Lt 201+73.00 "GE1"			b
				3.0																													CSP RISER	164' Lt. 202+02.00 "GE1"			c
																																	Conc SPILLWAY	210' Lt 202+00.00 "GE1"			d
																																	Junction Structure	202' Lt 191+75.74 "GE1"	D-2	137	a
																			1														MAIN VALVE				b
82.4															5.0		S																12" CSP	206' Lt 192+60.00 "GE1"			c
				3.0																													CSP RISER				d
																																	RSP	112' Lt 192+65.00 "GE1"			e
																																	Conc SPILLWAY	122' Lt 192+65.00 "GE1"			f
																												1					ABANDON INLET				g
133.4				6.0															2									1					SHEET TOTALS				
274.8	116.6	36.0	93.7	23.0	360.0	465.0	234	22.2	726.1	1743.6	167.5	758.7	67.1	56.0		17		460.00	4	3	2	10	697.0	1		455.45	1931.8	49	13	3827.0	371.94		8	GRAND TOTALS				

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

DRAINAGE QUANTITIES
DQ-72

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MOHAMMAD ABDRABOH
CHECKED BY: ALAN R. BISI
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 02-MAY-2011
TIME PLOTTED => 09:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	402	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 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:

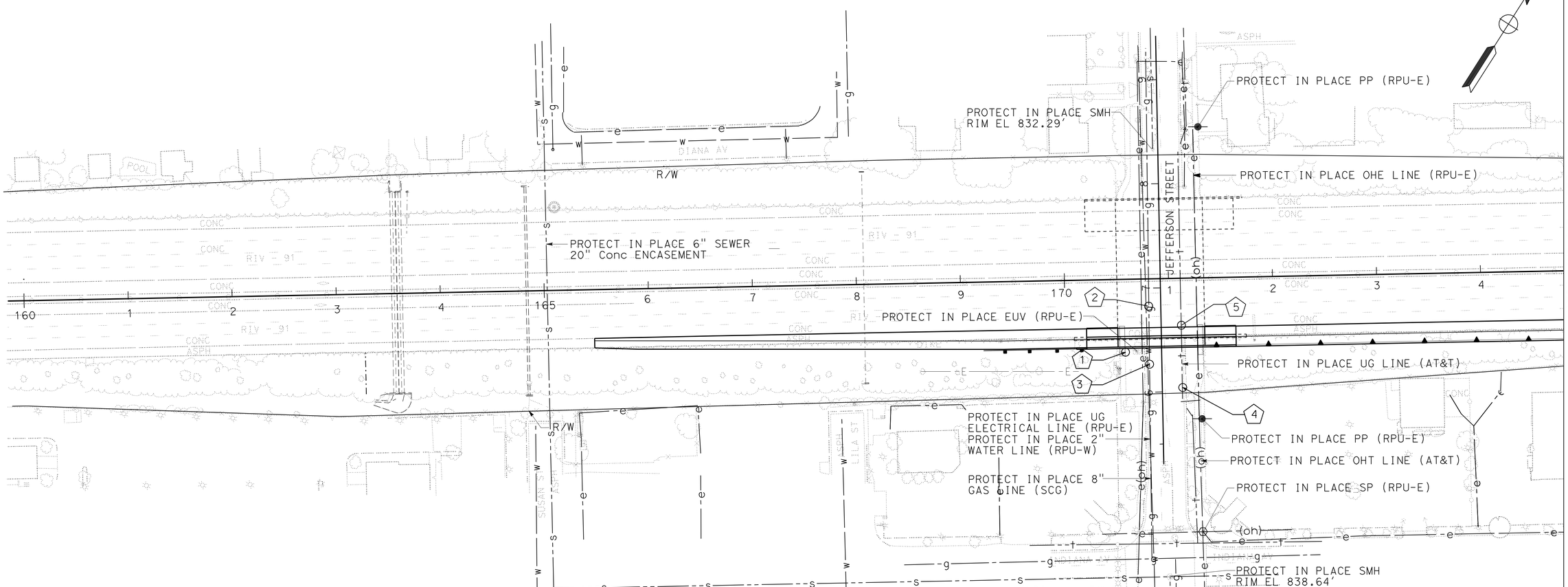
1. LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
2. ALL ELEVATIONS SHOWN REFER TO THE TOP OF PIPE ELEVATION UNLESS INDICATED OTHERWISE.
3. THIS PLAN ACCURATE FOR UTILITY WORK ONLY.
4. RELOCATION WILL BE PERFORMED BY OTHERS DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
5. (X) - SEE POTHOLE TABLE SHEETS.
6. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND UTILITY:

- INDICATES GUY ANCHOR FROM POLE
- INDICATES ELECTRIC PULL BOX
- INDICATES ELECTRIC VAULT
- INDICATES Light Pole
- INDICATES STEEL POWER POLE
- INDICATES POWER POLE
- INDICATES ELECTRICAL MANHOLE
- INDICATES TELEPHONE MANHOLE
- INDICATES WATER VALVE
- INDICATES FIRE HYDRANT
- INDICATES WATER METER
- INDICATES GAS VALVE
- INDICATES SEWER MANHOLE

ABBREVIATIONS:

ABAN	ABANDONED UTILITY	SMH	SEWER MANHOLE
CI	CAST IRON	SP	STEEL POWER POLE
CMP	CORRUGATED METAL PIPE	PP	POWER POLE
Conc ENC	CONCRETE ENCASEMENT	T	TELEPHONE
FH	FIRE HYDRANT	TCE	TEMPORARY CONSTRUCTION EASEMENT
EL	ELEVATION	UG	UNDERGROUND
ELEC	ELECTRICAL	VCP	VITRIFIED CLAY PIPE
EV	ELECTRICAL UNDERGROUND VAULT	W	WATER LINE
LP	LIGHT POLE	WM	WATER METER
OHE	OVERHEAD ELECTRICAL LINE	WV	WATER VALVE



UTILITY OWNERSHIP ON THIS PROJECT:

- CABLE TELEVISION - CHARTER COMMUNICATION COMPANY (CCC)
- ELECTRIC - CITY OF RIVERSIDE PUBLIC UTILITIES (RPU-E)
- GAS - SOUTHERN CALIFORNIA GAS COMPANY Sempra (SCG)
- FIBER OPTIC - US SPRINT (USS)
- FIBER OPTIC - RCTC COMMUNICATION (RCTC)
- FIBER OPTIC - SUNESYS (S)
- TELEPHONE- AT&T (AT&T)
- SEWER - CITY OF RIVERSIDE PUBLIC WORKS (COR)
- WATER - CITY OF RIVERSIDE PUBLIC UTILITIES (RPU-W)

LEGEND PROPOSED UTILITY PATTERNING: PROPOSED

- INDICATES OVERHEAD ELECTRIC
- INDICATES UNDERGROUND ELECTRIC
- INDICATES UNDERGROUND GAS LINE
- INDICATES UNDERGROUND SEWER LINES
- INDICATES OVERHEAD CABLE TELEVISION LINES
- INDICATES UNDERGROUND CABLE TELEVISION LINES
- INDICATES UNDERGROUND WATER LINES
- INDICATES OVERHEAD TELEPHONE LINE
- INDICATES UNDERGROUND TELEPHONE LINE
- INDICATES OVERHEAD FIBER OPTIC
- INDICATES UNDERGROUND FIBER OPTIC

LEGEND PROPOSED UTILITY PATTERNING: Exist

- INDICATES OVERHEAD ELECTRIC
- INDICATES UNDERGROUND ELECTRIC
- INDICATES UNDERGROUND GAS LINE
- INDICATES UNDERGROUND SEWER LINES
- INDICATES OVERHEAD CABLE TELEVISION LINES
- INDICATES UNDERGROUND CABLE TELEVISION LINES
- INDICATES UNDERGROUND WATER LINES
- INDICATES OVERHEAD TELEPHONE LINE
- INDICATES UNDERGROUND TELEPHONE LINE
- INDICATES OVERHEAD FIBER OPTIC
- INDICATES UNDERGROUND FIBER OPTIC

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY.

UTILITY PLAN

SCALE: 1" = 50'

U-1

REVISED BY | DATE REVISED
MAJID ALLYAS | MARK PERTILE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 20:26
12-01-10

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trlim | DGN FILE => 844840ka001.dgn | CU 08227 | EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	403	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
CIVIL
STATE OF CALIFORNIA

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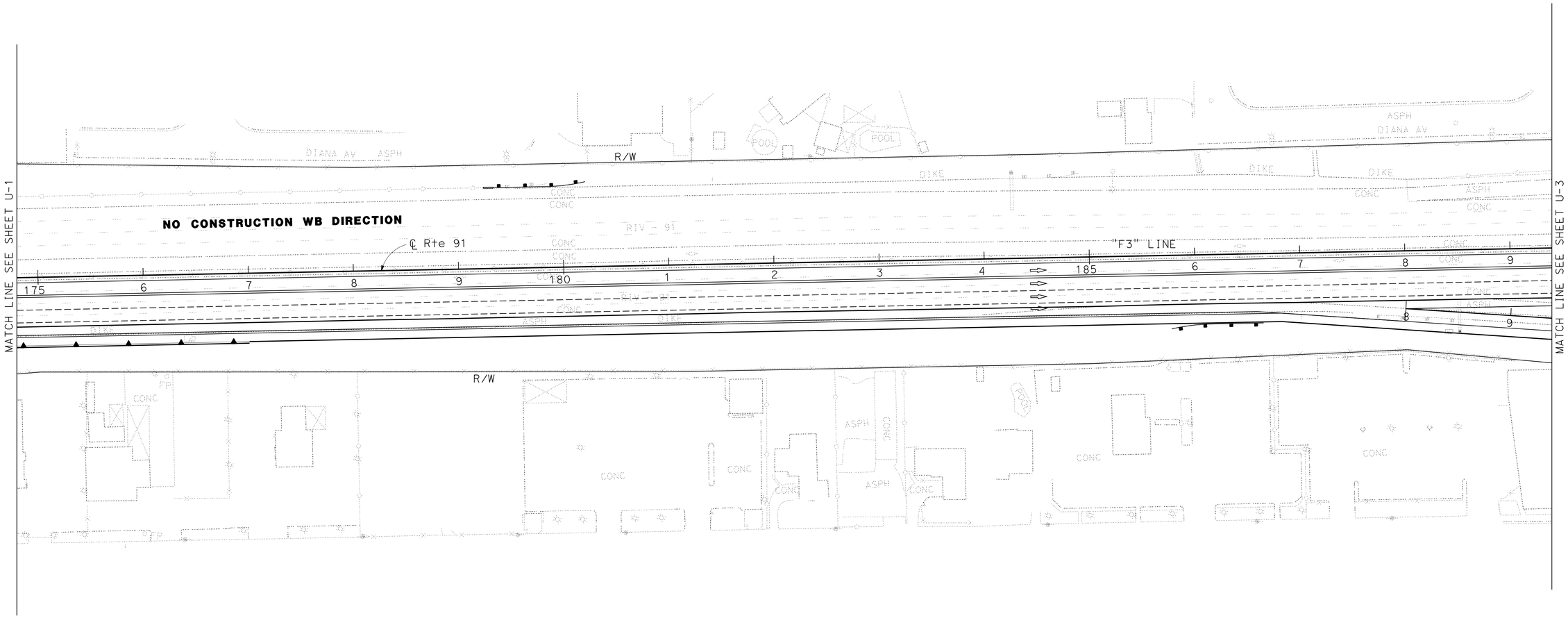
NOTE:

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



UTILITY PLAN

SCALE: 1" = 50'

U-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	404	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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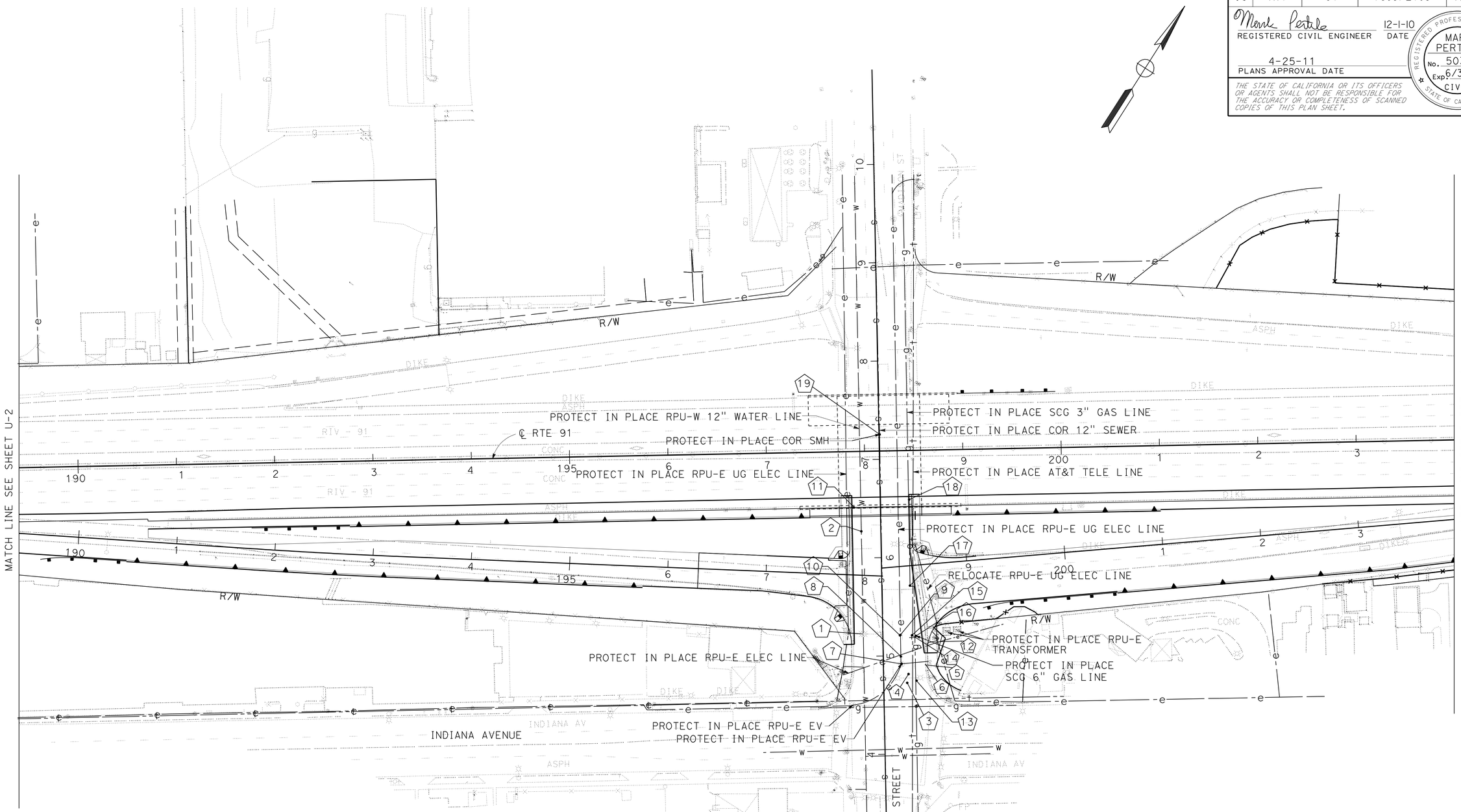

NOTE:

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

UTILITY PLAN

SCALE: 1" = 50'

U-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: MARK PERTILE
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LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	405	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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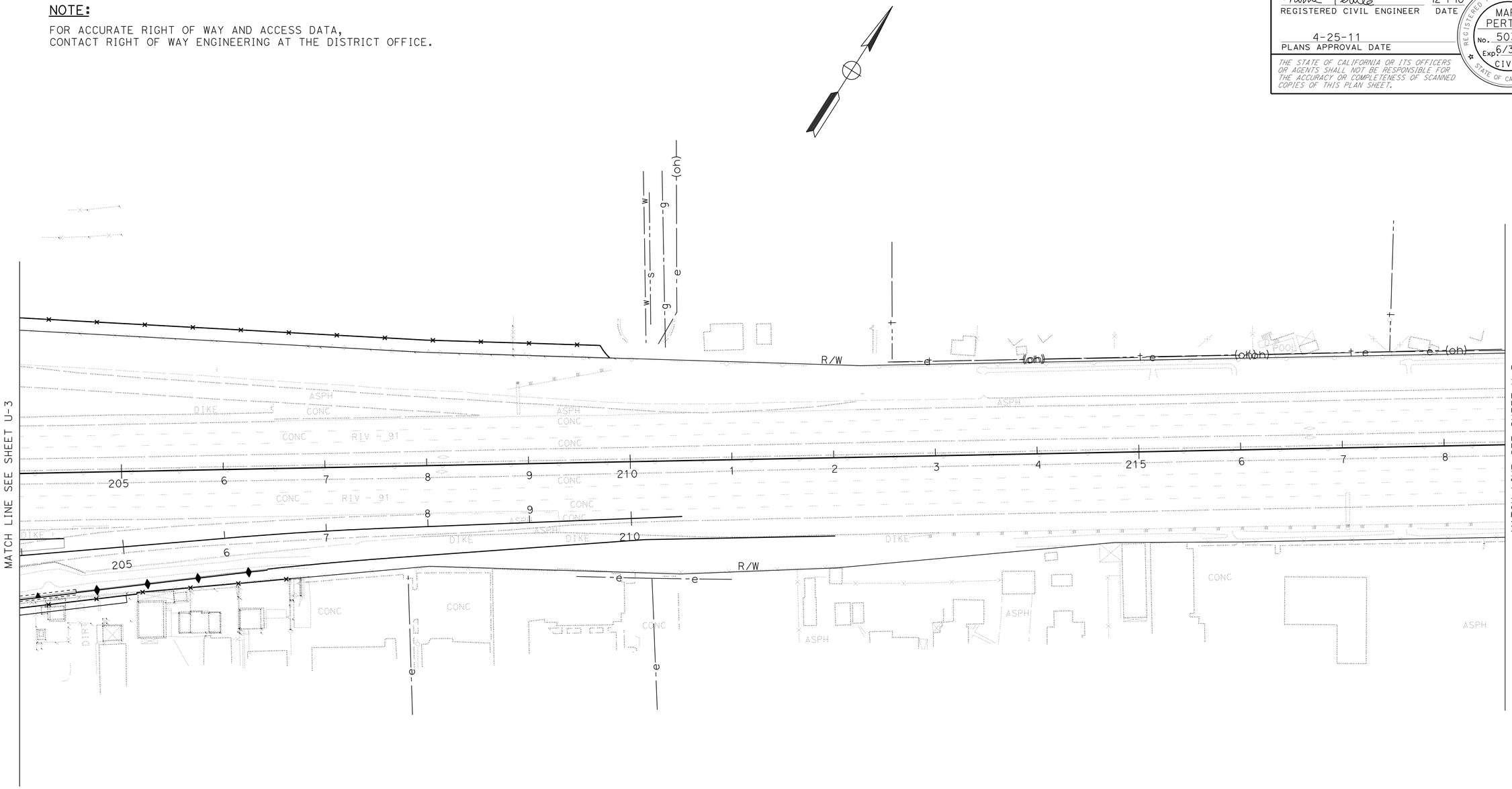

UTILITY PLAN

SCALE: 1" = 50'

U-4

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: MAJID ALLYAS
CHECKED BY: MARK PERTILE
FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 20:26

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	406	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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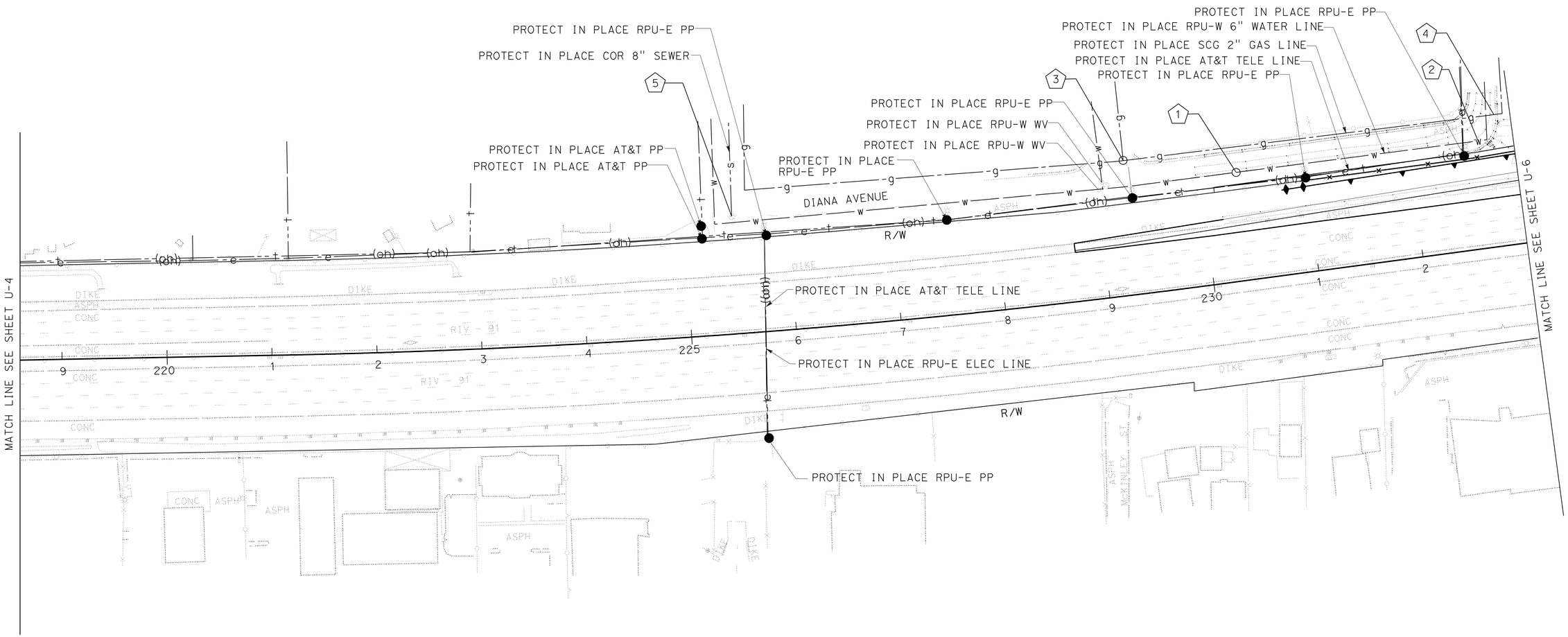

UTILITY PLAN

SCALE: 1" = 50'

U-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	407	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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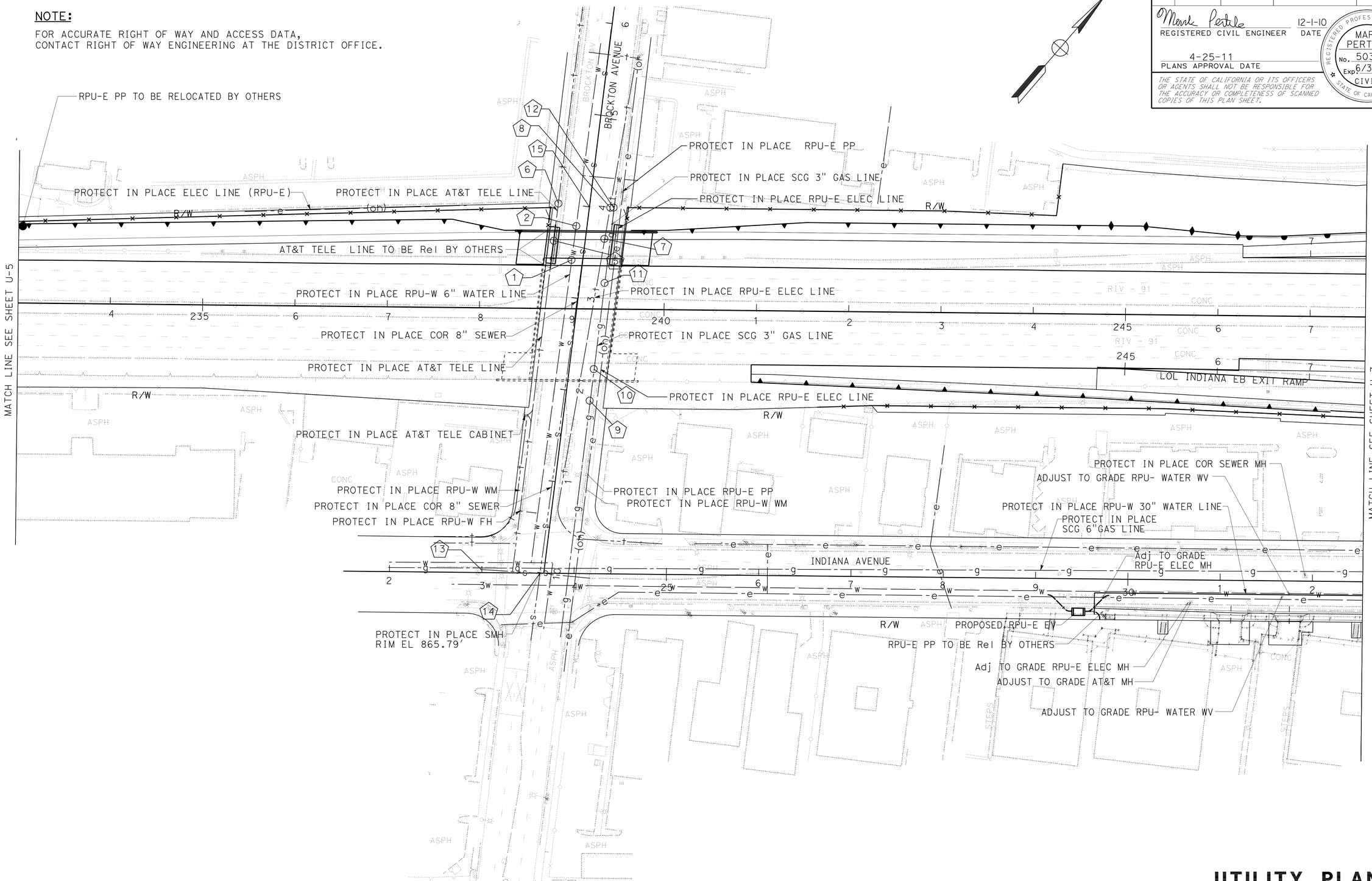

UTILITY PLAN

SCALE: 1" = 50'

U-6

REVISED BY	DATE REVISED
MAJID ALLYAS	MARK PERTILE
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 20:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	408	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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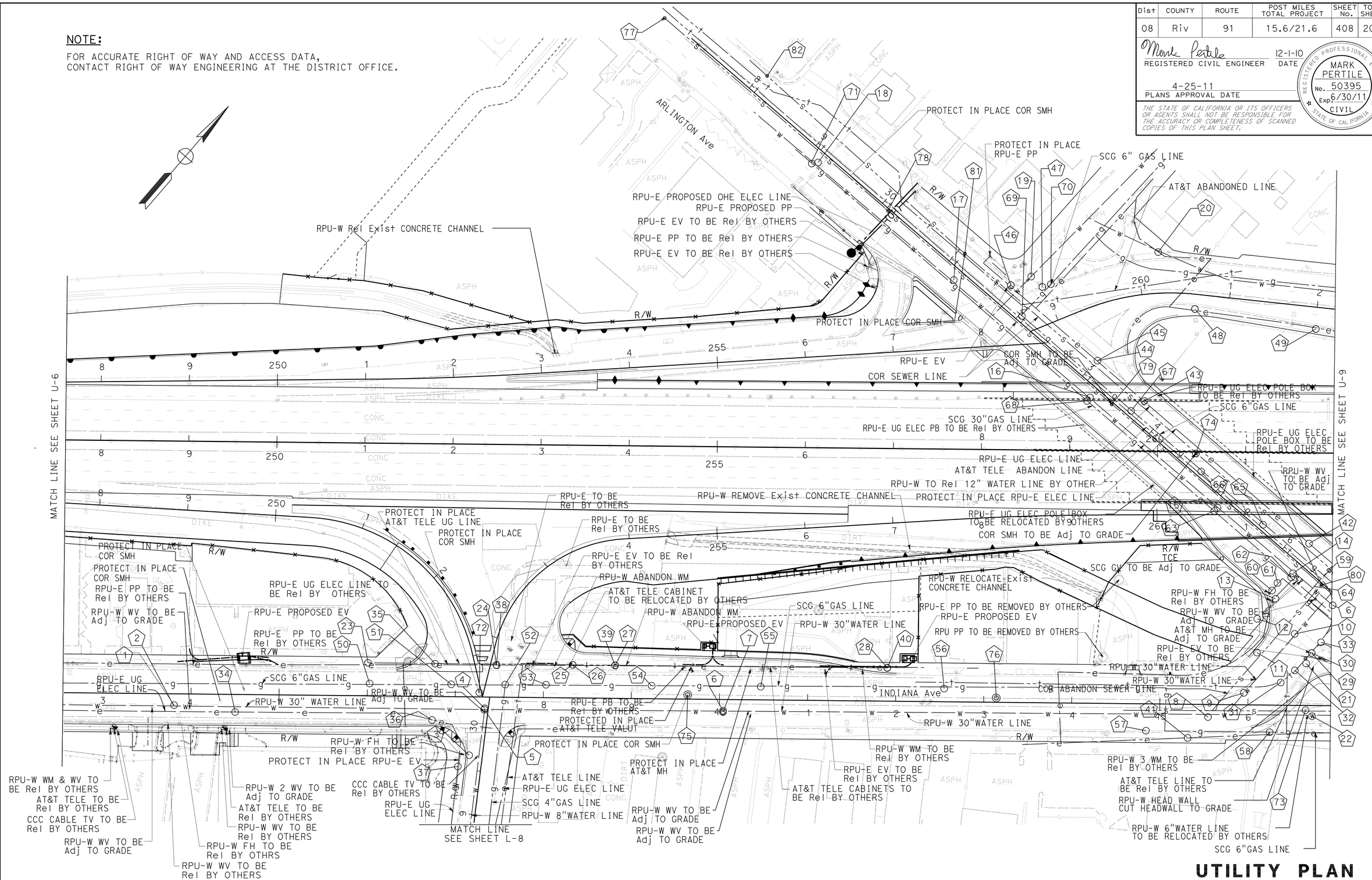

UTILITY PLAN

SCALE: 1" = 50'

U-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: MAJID ALLYAS

CHECKED BY: MARK PERTILE

REVISED BY / DATE REVISED

LAST REVISION 12-01-10

DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:27

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trlim
DGN FILE => 844840ka007.dgn

CU 08227

EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	409	2028

Mark Pertile 2-7-11
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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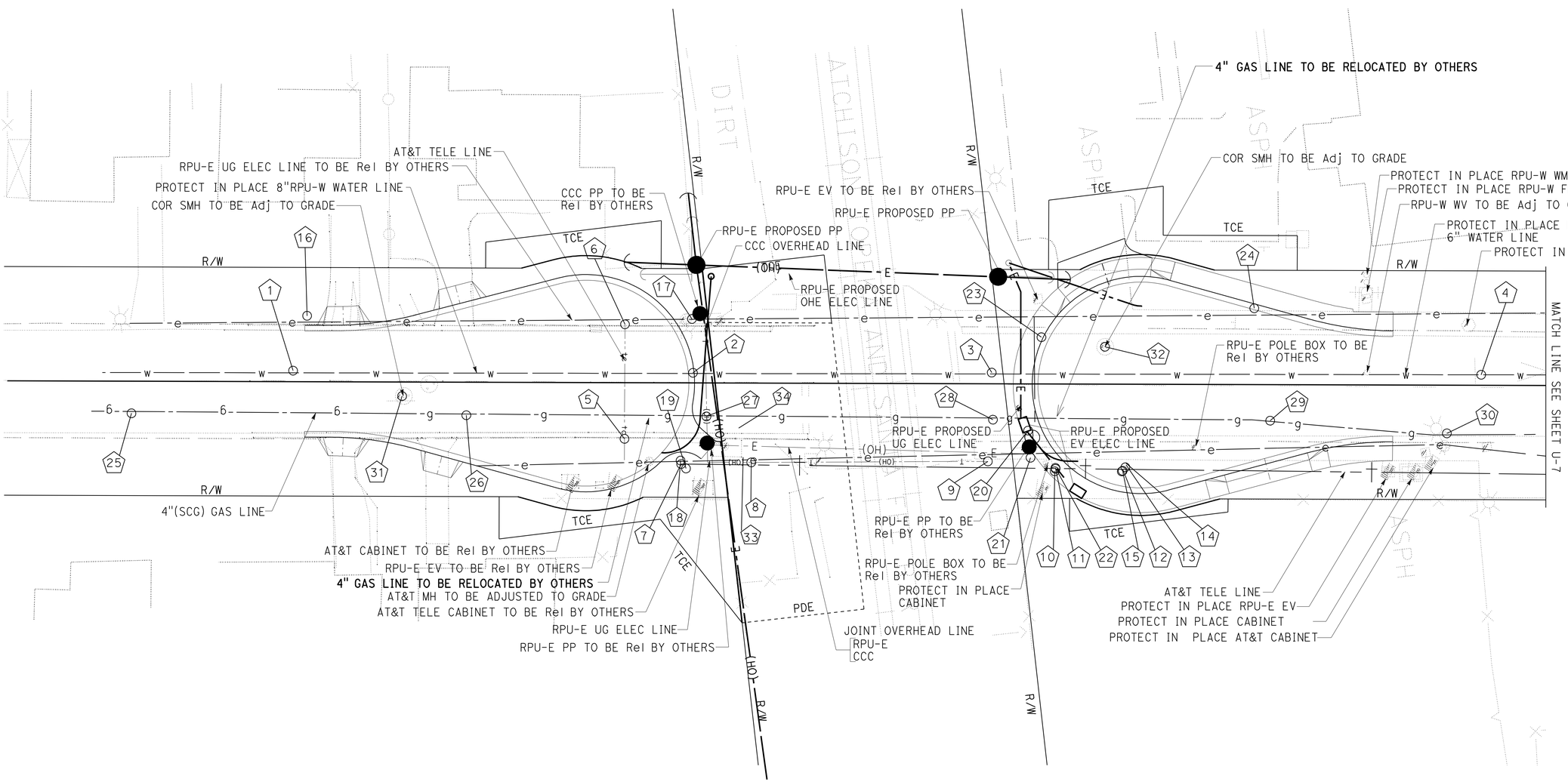

UTILITY PLAN

SCALE: 1" = 20'

U-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 02-07-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:27

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trlim
DGN FILE => 844840ka008.dgn
CU 08227
EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	410	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 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:

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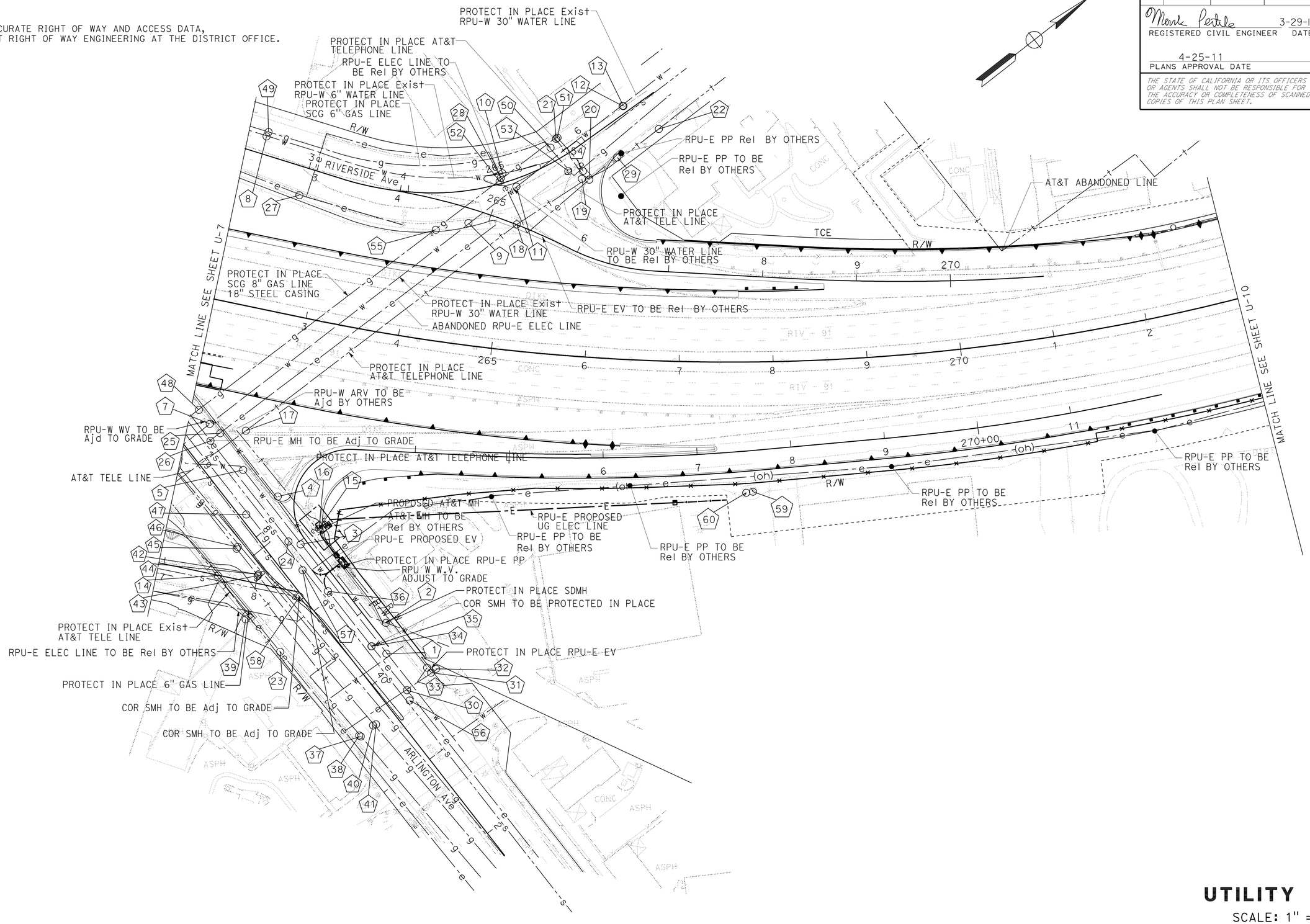

UTILITY PLAN

SCALE: 1" = 50'

U-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	411	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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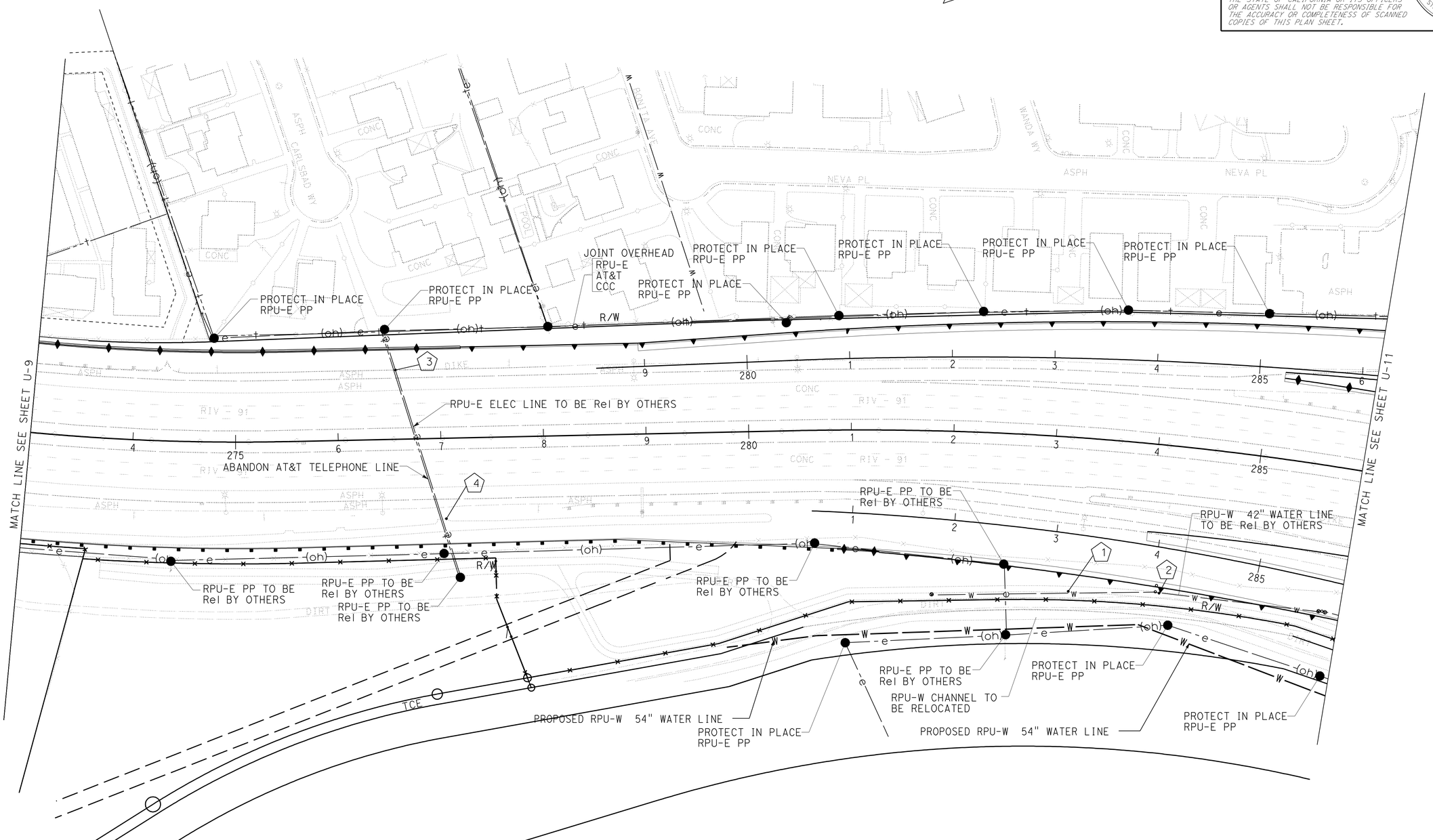

UTILITY PLAN

SCALE: 1" = 50'

U-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	412	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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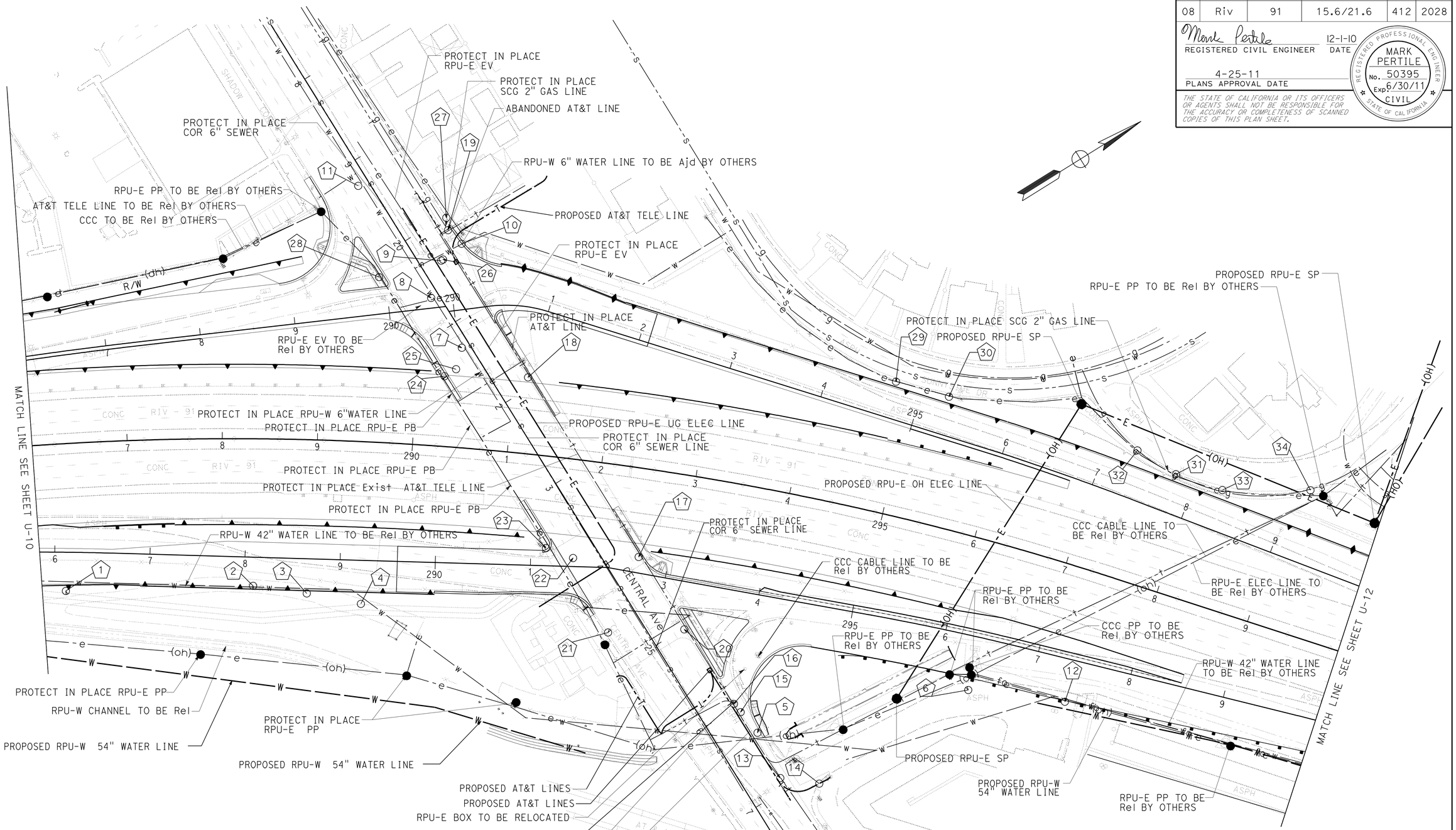

NOTE:

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

UTILITY PLAN

SCALE: 1" = 50'

U-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

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CALCULATED-DESIGNED BY: MAJID ALLYAS
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LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	413	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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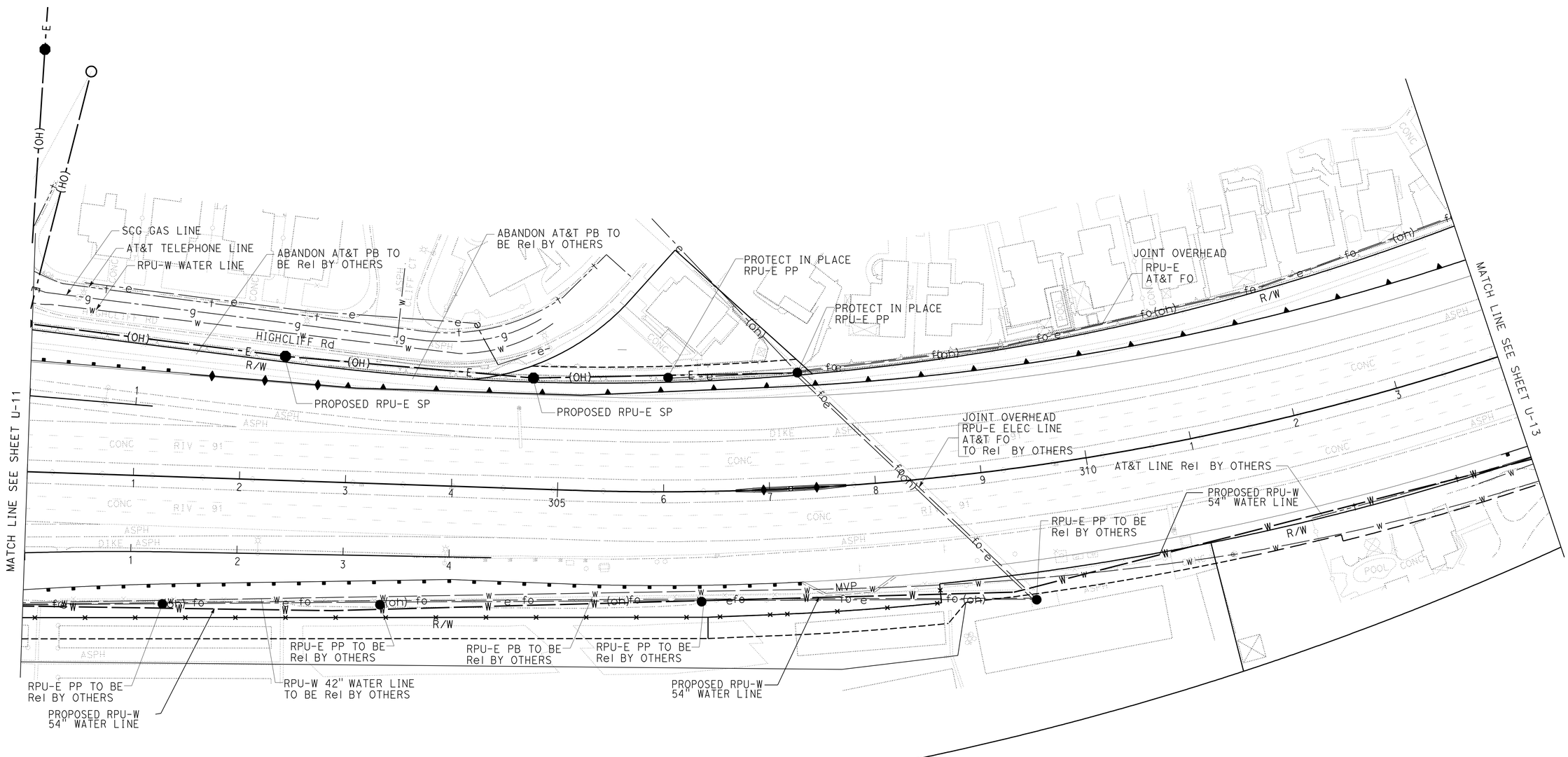

UTILITY PLAN

SCALE: 1" = 50'

U-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	414	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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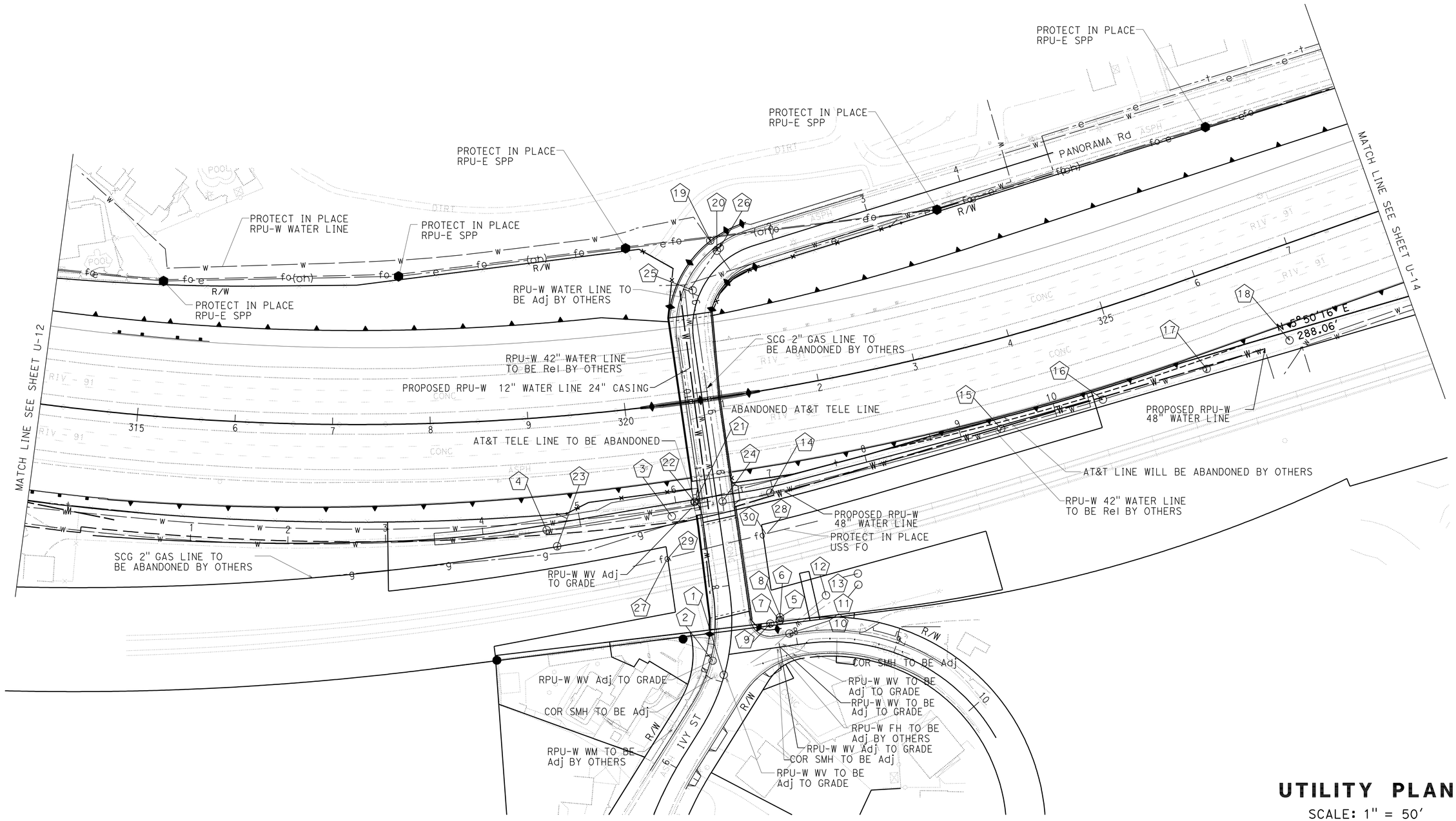

UTILITY PLAN

SCALE: 1" = 50'

U-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
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REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:27

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trlim
DGN FILE => 844840ka013.dgn
CU 08227
EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	415	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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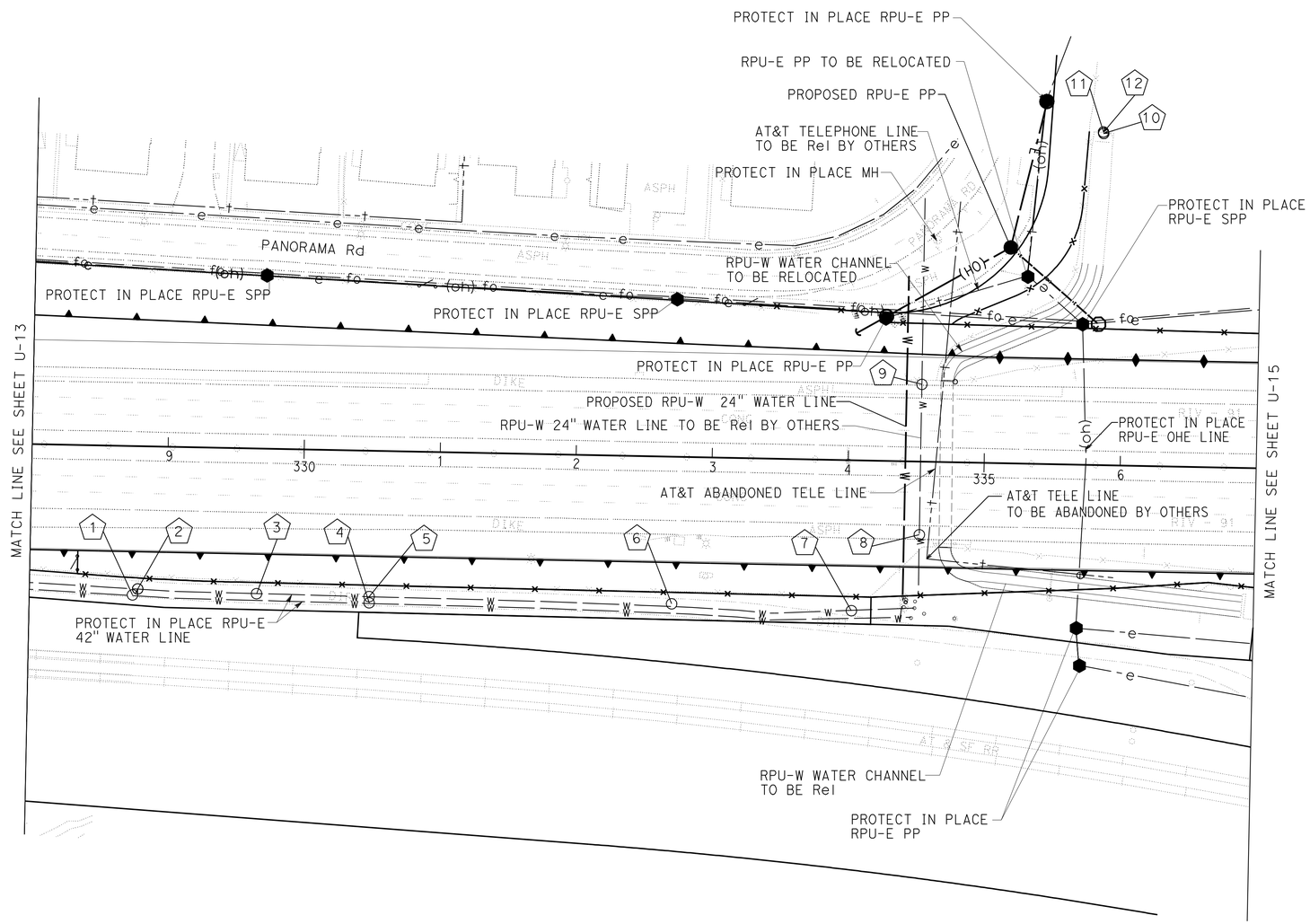

UTILITY PLAN

SCALE: 1" = 50'

U-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
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REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:28

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trlim
DGN FILE => 844840ka014.dgn
CU 08227
EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	416	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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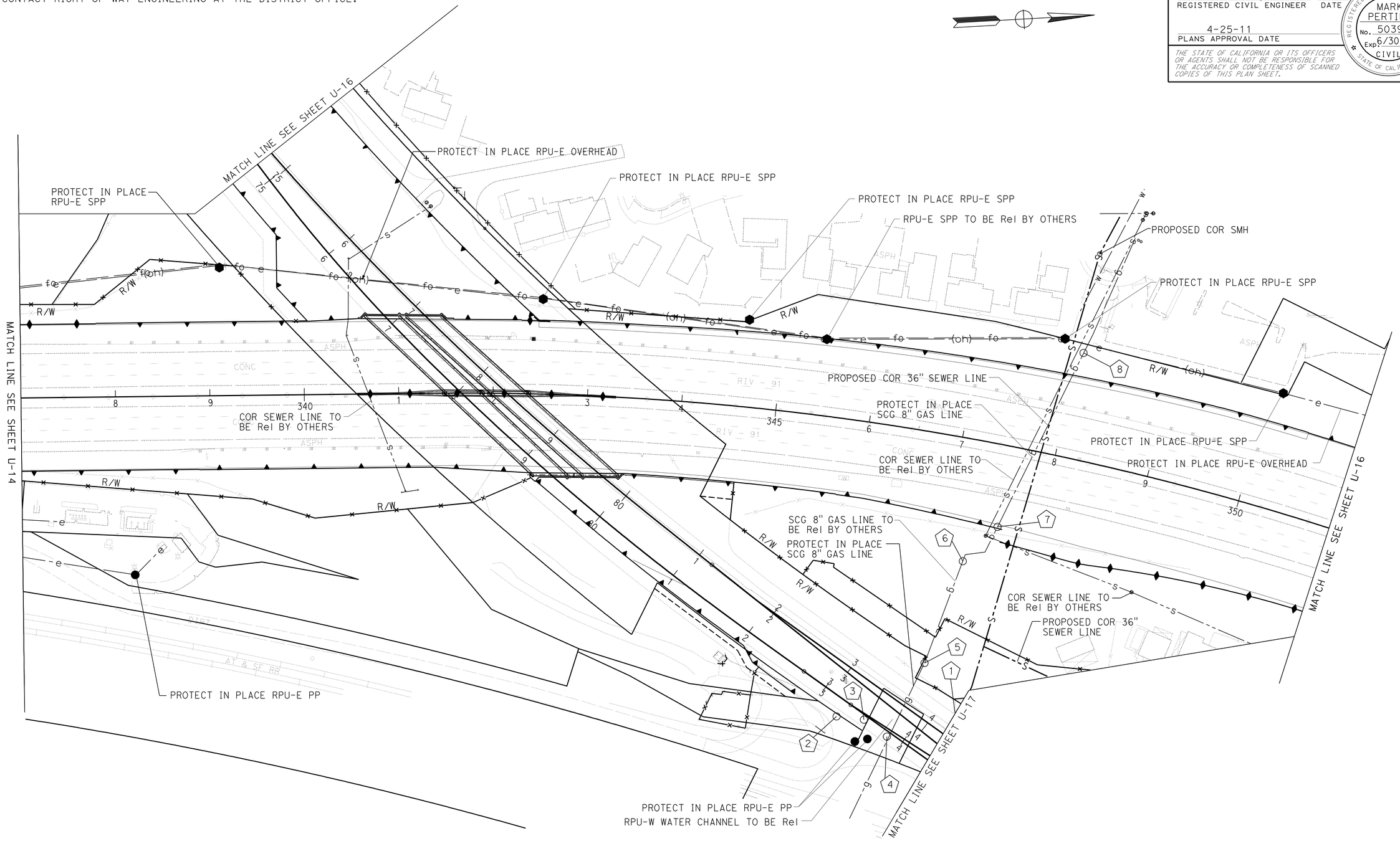

UTILITY PLAN

SCALE: 1" = 50'

U-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	417	2028

Mark Pertile 1-26-11
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 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 AND ACCESS DATA,
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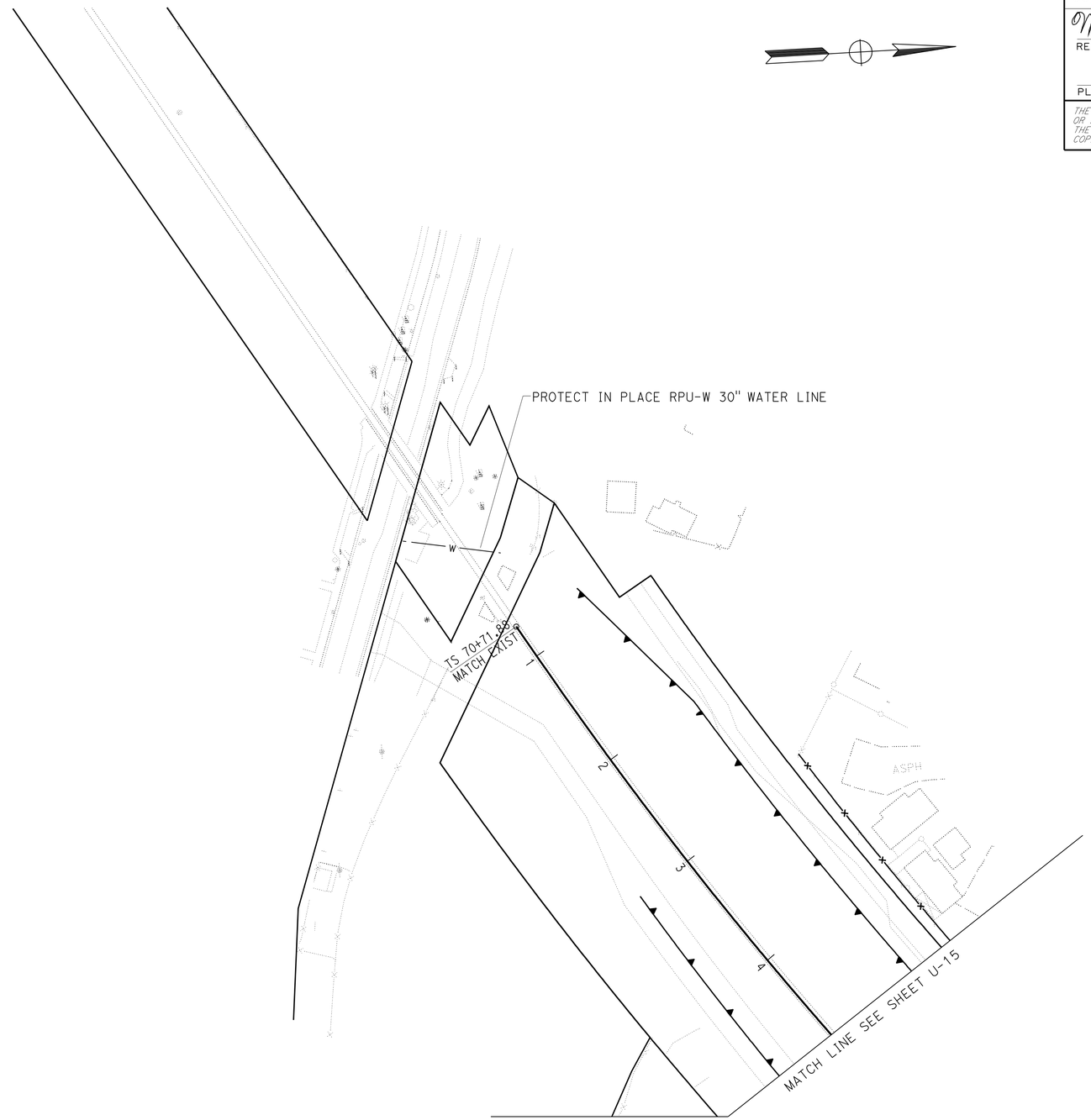

UTILITY PLAN

SCALE: 1" = 50'

U-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
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REVISED BY
DATE REVISED

LAST REVISION 01-26-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	418	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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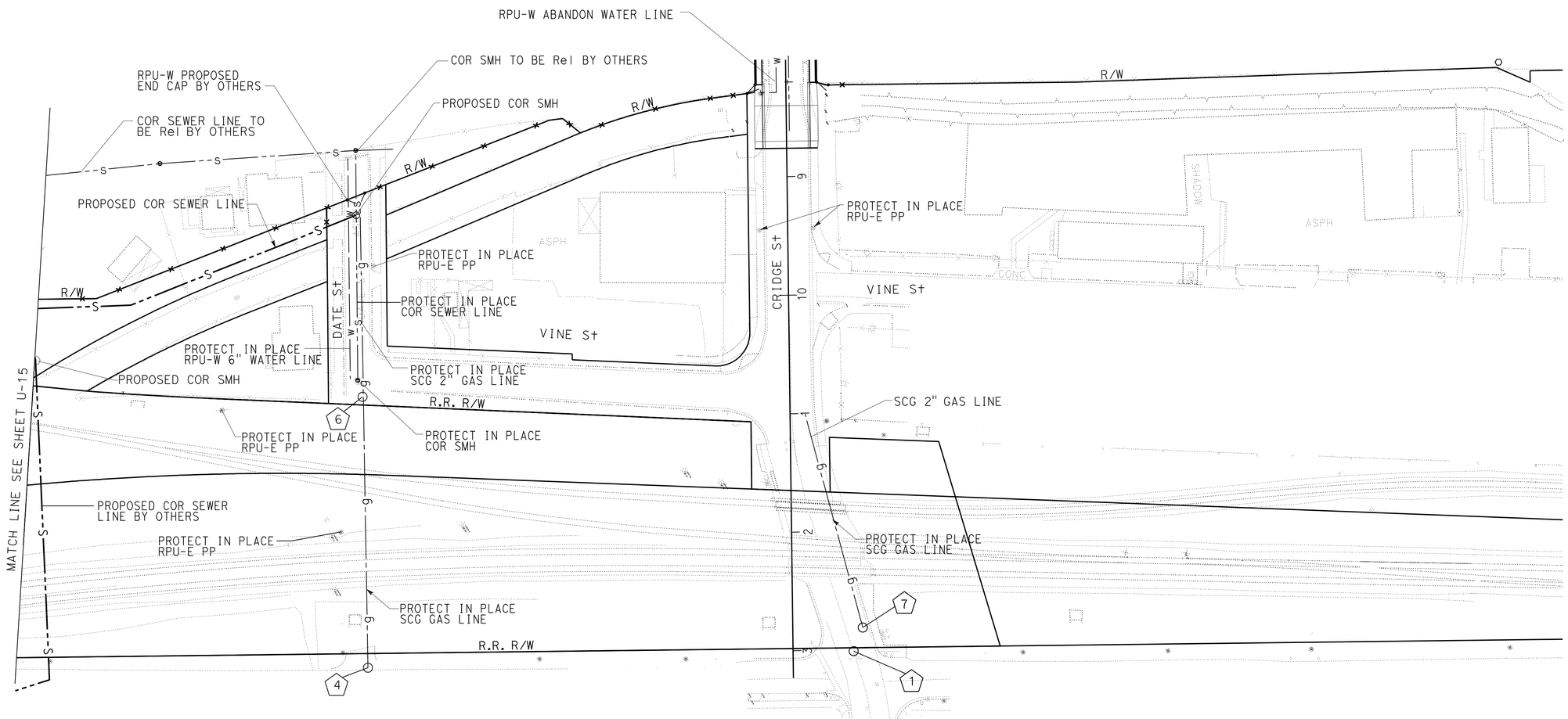

UTILITY PLAN

SCALE: 1" = 50'

U-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 20:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	419	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:

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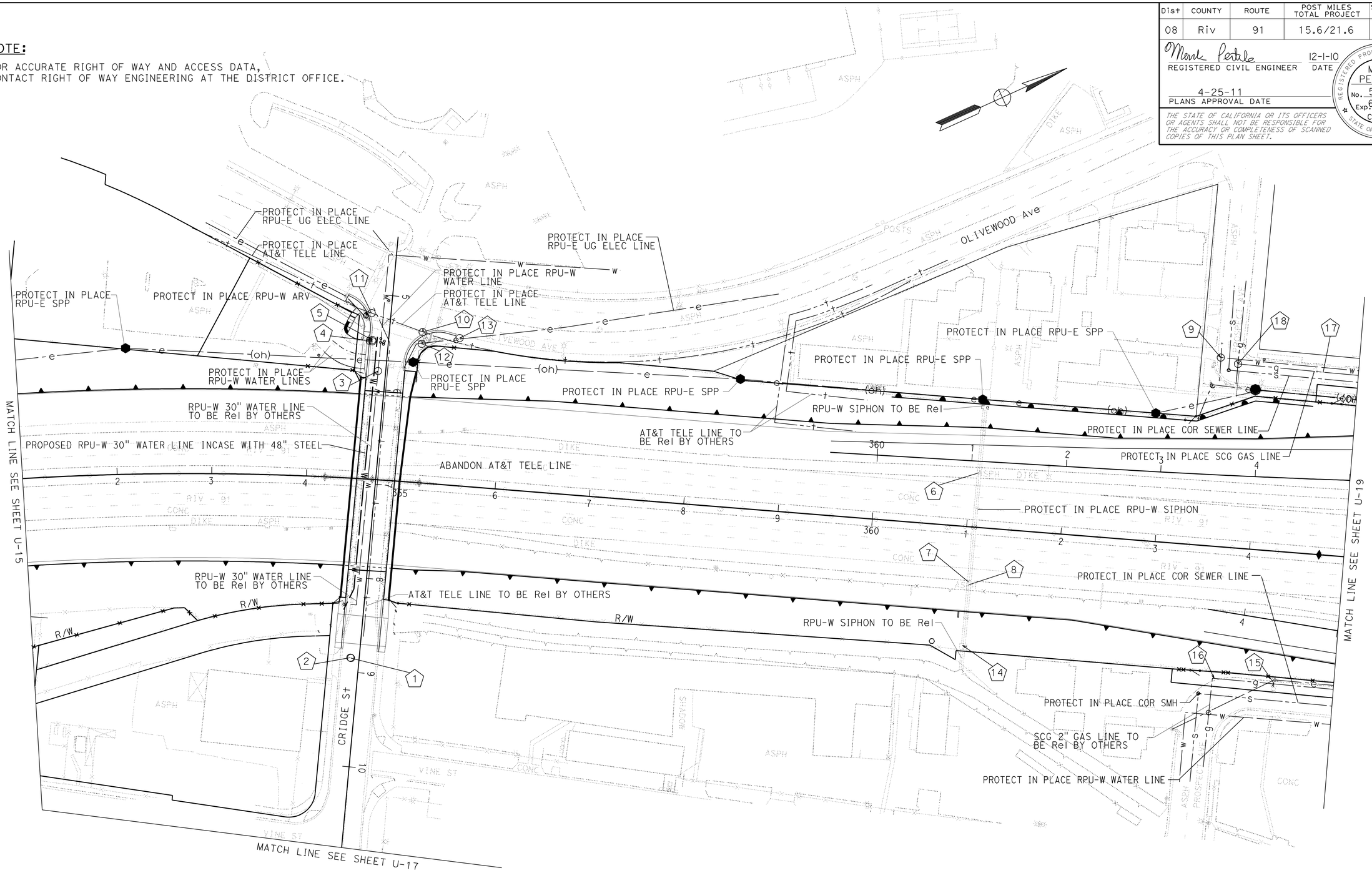

UTILITY PLAN

SCALE: 1" = 50'

U-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 20:28

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trlim | DGN FILE => 844840ka018.dgn | CU 08227 | EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	420	2028

Mark Pertile 2-7-11
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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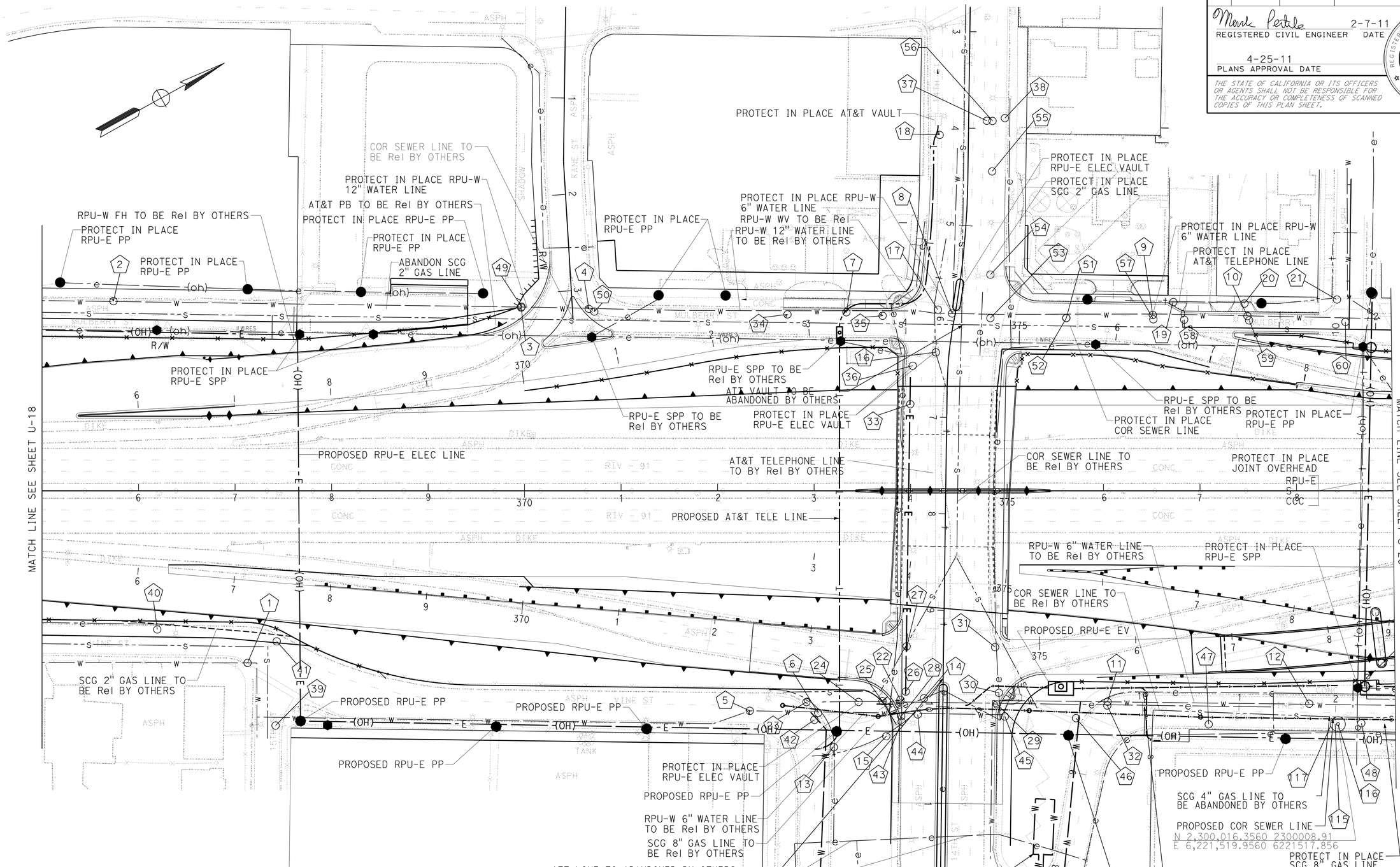

NOTE:

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UTILITY PLAN

SCALE: 1" = 50'

U-19

REVISED BY | DATE REVISED

MAJID ALLYAS | MARK PERTILE

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR | MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trlim | DGN FILE => 844840ka019.dgn | CU 08227 | EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	421	2028

Mark Pertile 2-7-11
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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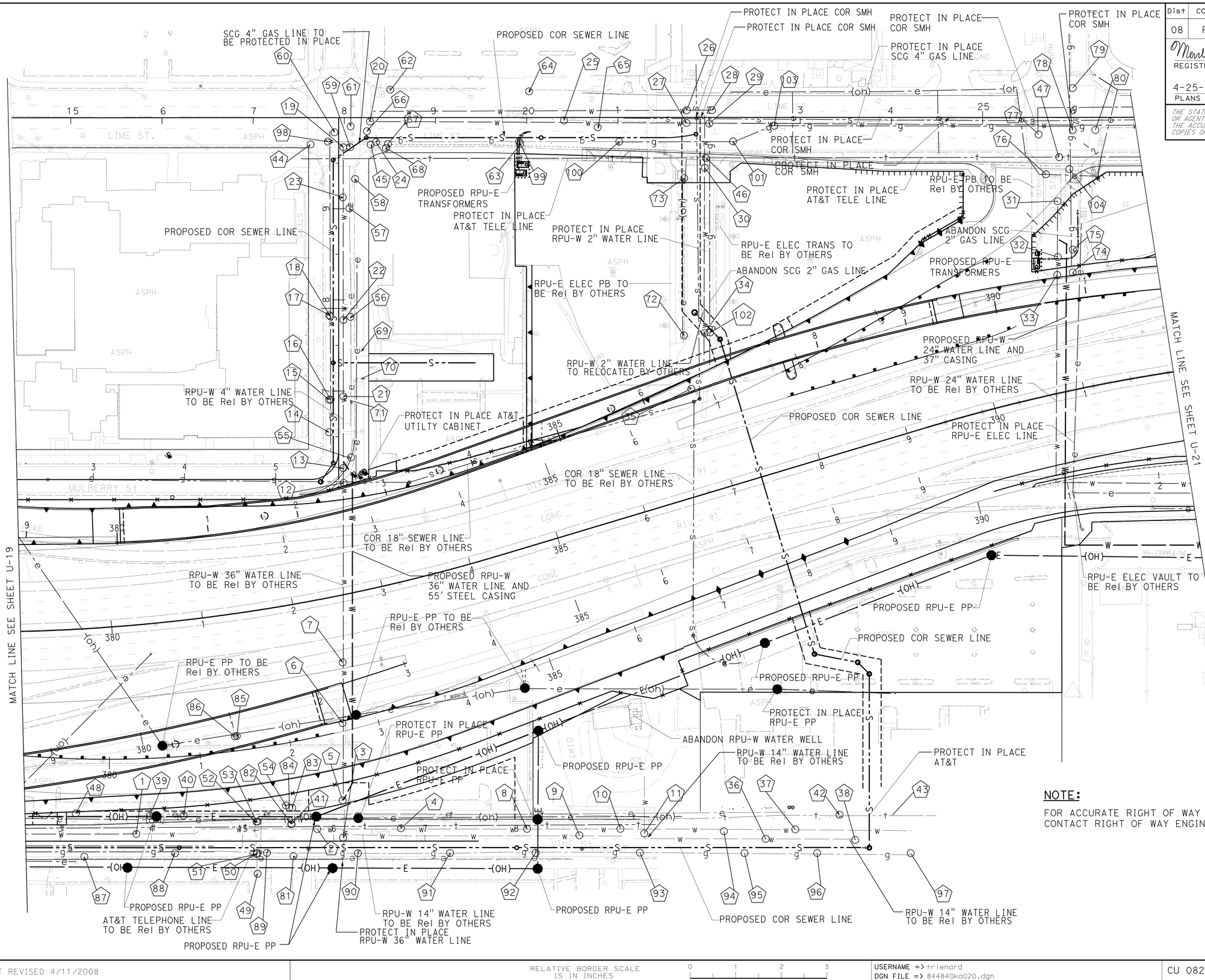

NOTE:

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

UTILITY PLAN

SCALE 1"=50'

U-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	422	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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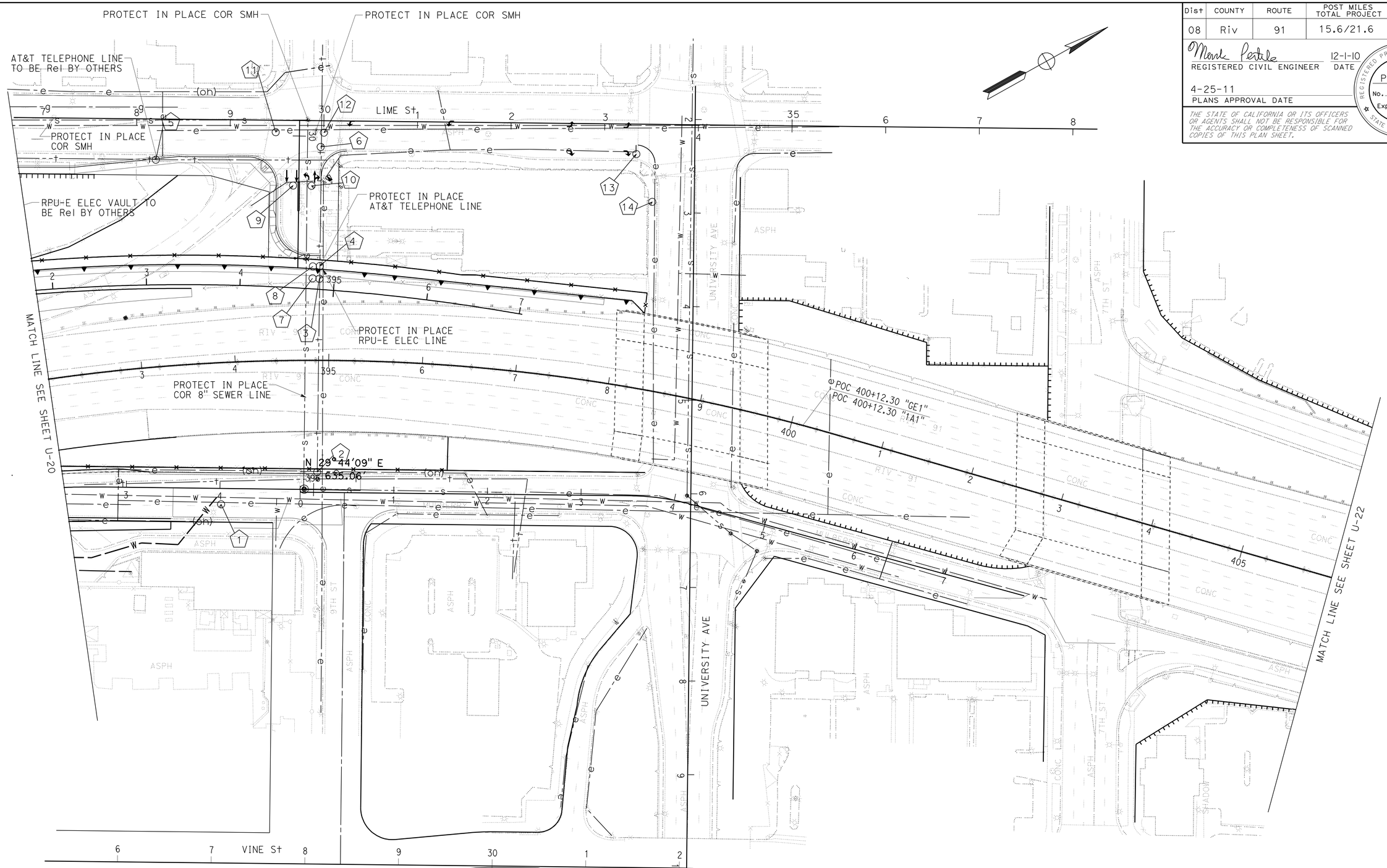

NOTE:

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UTILITY PLAN

SCALE 1"=50'

U-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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CALCULATED-DESIGNED BY: MAJID ALLYAS
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LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	423	2028

Mark Pertile 1-26-11
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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NOTE:
1. ID NO. AND LOCATION NO. ARE FOR SURVEY FIELD NOTE REFERENCE ONLY.
2. UTILITY ELEVATION AND DEPTH SHOWN REFER TO THE SURFACE ELEVATION UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL FIELD VERIFY UTILITY LOCATION AND ELEVATION PRIOR TO CONSTRUCTION.

U-1 POTHOLE LOCATION TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	21W	12" AC WATER LINE	2284513.117	6209106.516	835.674	-2.61	RELOCATE WATER VAULT
2	ATT	61T	UNDERGROUND TELEPHONE LINE	2284514.107	6209171.130	835.731	-5.42	
3	ATT	62T	UNDERGROUND TELEPHONE LINE	2284563.820	6209137.873	834.800	-5.49	
4	GAS	71G	3" MP GAS LINE	2284562.239	6209101.474	834.690	-3.32	
5	GAS	72G	3" MP GAS LINE	2284515.796	6209132.182	835.441	-3.40	
6	SEWER		SEWER M.H.	2284463.391	6208473.370	825.45	-7.40	
7	SEWER		6' VCP SEWER LINE IN - 20' CONC. CASING (COR)	2284259.111	6208608.927			
8	SEWER		SEWER M.H.	2284151.338	6208681.332	828.26	-7.13	
9	SEWER		SEWER M.H.	2284026.207	6208765.090	830.40	-6.62	
10	SEWER		SEWER M.H.	2284354.034	6209257.937	838.64	-8.50	
11	SEWER		SEWER M.H.	2284691.562	6209023.517	832.29	-9.25	

U-3 POTHOLE LOCATION TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	23W	12" AC WATER LINE (COR)	2285932.964	6211449.824	835.674	-4.43	
2	COR	23W	12" AC WATER LINE (COR)	2286020.012	6211392.234	848.823	-3.90	
3	ATT	664T	24" CONCRETE ENCASED TELEPHONE LINES	2285915.203	6211514.406	850.163	-3.25	
4	ATT	77664T	9" CONCRETE ENCASED TELEPHONE LINES	2285923.485	6211510.751	850.005	-4.52	
5	RPU	49E	4" PVC ELECTRIC LINES	2285940.285	6211519.830	849.601	-5.05	
6	RPU	449E	8" VENT PIPE	2285941.154	6211519.541	849.572	-2.89	
7	RPU	4420E	24" CONCRETE ENCASEMENT	2285928.382	6211499.134	849.856	-	
8	RPU	411E	24" CONCRETE ENCASEMENT	2285934.341	6211494.506	849.832	-4.78	
9	RPU	410E	24" CONCRETE ENCASEMENT	2285952.576	6211482.378	849.715	-4.74	
10	RPU	4410E	2" STEEL PIPE	2285951.967	6211482.208	849.731	-4.36	
11	RPU	42E	3-5" PVC	2286036.479	6211372.716	848.138	-4.99	
12	RPU	48E	2" STEEL PIPE	2285968.638	6211520.297	850.642	-2.70	
13	GAS	76G	4" GAS PIPE	2285922.204	6211521.158	850.090	-4.40	
14	GAS	777775G	TOP VALVE CAN	2285958.634	6211492.541	849.538	-0.17	
15	GAS	7775G	3" GAS LINE	2285958.643	6211492.553	849.545	-3.08	
16	GAS	75G	4" TO 3" TRANSITION	2285960.260	6211496.221	849.460	-2.98	
17	GAS	74G	3" GAS LINE	2286000.110	6211463.585	849.139	-3.71	
18	GAS	73G	3" GAS LINE	2286073.394	6211415.851	848.015	-3.52	
19	SEWER		SEWER M.H.	2,286,113.13	6,211,354.85	848.25	-15.40	

POTHOLE LOCATION TABLES
UTILITY PLAN
U-22

REVISED BY | DATE REVISED
MAJID ALLYAS | MARK PERTILE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 01-26-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	424	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 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.

U-5 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	24W	8" STEEL WATER LINE	2288004.733	6213946.555	867.300	-2.90	
2	COR	25W	4" ANGLE POINT	2288153.893	6214124.588	866.619	-2.10	
3	GAS	77G	2" STEEL GAS TEE	2287956.927	6213849.258	866.264	-3.70	
4	GAS	78G	2" STEEL ANGLE POINT	2288183.095	6214123.793	866.062	-1.88	
5	SEWER		SEWER M.H.	2287711.277	6213563.931	864.07	-6.36	

U-6 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	27W	6" C.I.P. WATER LINE	2288523.805	6214640.091	863.371	-3.50	
2	COR	26W	6" C.I.P. WATER LINE	2288555.086	6214620.033	863.154	-3.77	
3	COR	28a	30" A.C.P. WATER LINE	2288568.546	6215241.446	866.660	-3.80	
4	COR	28	4" A.C.P. WATER LINE	2288569.093	6215240.992	866.667	-2.71	
5	ATT	65T	UNDERGROUND TELEPHONE LINES	2288527.064	6214611.923	863.119	-3.32	
6	ATT	66T	UNDERGROUND TELEPHONE LINES	2288560.887	6214589.505	862.582	-4.90	
7	ATT	67T	UNDERGROUND TELEPHONE LINES	2288564.368	6214652.110	862.983	-4.57	
8	ATT	68T	UNDERGROUND TELEPHONE LINES	2288594.130	6214634.941	862.596	-4.07	
9	WPCTemp	412a	4" PVC ELECTRIC LINE	2288522.053	6215193.637	866.362	-4.35	
10	WPCTemp	412	4" PVC ELECTRIC LINE	2288523.086	6215192.759	866.409	-4.58	
11	WPCTemp	413	18w ENCASED	2288723.114	6215432.853	867.246	-3.21	
12	GAS	712G	3" STEEL PIPE	2288421.162	6214754.415	863.854	-4.20	
13	GAS	711G	3" STEEL PIPE	2288449.951	6214735.498	863.641	-4.20	
14	GAS	710G	3" STEEL PIPE	2288528.217	6214683.489	863.026	-4.52	
15	GAS	79G	3" STEEL PIPE	2288596.501	6214637.579	862.410	-4.76	
16	SEWER		SSMH	2288205.825	6214784.253	866.290	FL EL.	
17	SEWER		SEWER M.H.	2288244.488	6214835.743	865.790	-8.11	
18	SEWER		SEWER M.H.	2288579.868	6214617.746	863.180	-7.81	

U-7 POTHOLE LOCATION TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	29aW	30" WATER LINE (COR)	2288890.068	6215622.598	866.553	-3.50	
2	COR	29W	30" WATER LINE (COR)	2288890.960	6215621.925	866.517	-2.69	
3	COR	211W	6" WATER LINE (COR)	2289066.556	6215912.875	866.847	-4.89	RELOCATE FIRE HYDRANT BEHIND CURB SP(2), COORDINATE RE WITH CITY
4	COR	210W	4" WATER LINE (COR)	2289118.472	6215891.470	865.315	-1.95	
5	COR	210aW	30" RCP WATER LINE (COR)	2289116.965	6215891.952	865.272	-3.94	
6	COR	212W	4" RCP WATER LINE (COR)	2289293.018	6216098.366	863.519	-2.60	
7	COR	212aW	30" RCP WATER LINE (COR)	2289291.811	6216099.236	863.489	-3.74	
8	COR	217W	30" WATER LINE (COR)	2289646.943	6216520.142	860.875	-6.87	
9	COR	#18W	30" WATER LINE (COR)	2289694.256	6216532.998	861.268	-5.45	
10	COR	219W	30" WATER LINE (COR)	2289782.708	6216533.064	860.332	-6.00	
11	COR	216W	TOP CONCRETE CANAL	2289765.829	6216564.822	860.844	-0.15	RELOCATE DURING - CANAL WILL BE RELOCATED BY CALTRANS CONTRACTOR
12	COR	2235W		2289767.870	6216489.713	860.336		
13	COR	214W	8" WATER LINE (COR)	2289798.730	6216490.604	858.130	-3.67	RELOCATE FIRE HYDRANT BEHIND CURB SP(2), COORDINATE RE WITH RPUEEEEEEEE
14	COR	215W	12" WATER LINE (COR)	2289833.593	6216486.806	858.144	-5.25	RELOCATE BEFORE - CITY WILL RELOCATE PORTION OF THE LINE UP TO 250'
15	COR	213W	12" WATER LINE (COR)	2289833.994	6216373.191	856.326	-4.36	RELOCATE BEFORE - CITY WILL RELOCATE PORTION OF THE LINE UP TO 250'
16	COR	221W	12" WATER LINE (COR)	2289834.342	6216181.872	855.269	-4.16	RELOCATE BEFORE - CITY WILL RELOCATE PORTION OF THE LINE UP TO 250'

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-23

REVISED BY | DATE REVISED
MAJID ALLYAS | MARK PERTILE
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FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	425	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-7 POTHOLE LOCATION TABLE CONT'

⊗	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
17	COR	222W	12" WATER LINE (COR)	2289834.351	6215977.695	853.844	-4.10	
18	COR	-	10" WATER LINE (COR)	2289834.753	6215773.880	851.718	-3.35	
19	COR	224W	6" WATER LINE (COR)	2289894.668	6216041.655	853.898	-4.92	
20	COR	225W	6" WATER LINE (COR)	2290009.812	6216132.869	852.624	-5.17	
21	COR	220W	TOP CONCR CANAL	2289765.829	6216564.822	860.844	-0.15	RELOCATE DURING - CANAL WILL BE RELOCATED BY CALTRANS CONTRACTOR
22	COR	2217W	6" WATER LINE (COR)	2289724.838	6216609.072	860.215	-2.84	PROTECT IN PLACE - STORM DRAIN # 35 ABOVE WATER LINE SEE CROSS SECTION
23	ATT	69T	24W CONCRETE ENCLOSURE	2289071.032	6215757.410	865.444	-3.52	RELOCATE DURING CONSTRUCTION
24	ATT	618T	4" CONDUIT	2289164.308	6215869.748	865.123	-2.08	RELOCATE DURING CONSTRUCTION
25	ATT	610T	4" CONDUIT	2289220.969	6215935.087	865.018	-3.08	RELOCATE DURING CONSTRUCTION
26	ATT	610aT	24" ENCASED CONDUIT	2289220.969	6215935.087	865.017	-3.39	RELOCATE DURING CONSTRUCTION
27	ATT	619T	4" PVC CONDUIT	2289252.061	6215971.773	864.663	-3.21	RELOCATE DURING CONSTRUCTION
28	ATT	611T	2" CONDUIT	2289451.723	6216207.760	861.797	-2.70	RELOCATE DURING CONSTRUCTION
29	ATT	690T		2289778.928	6216561.862	860.640		ADJUST TO GRADE
30	ATT		BELL SYSTEM MH INSIDE TOP OF VAULT	2289778.946	6216561.874	860.653	-2.43	ADJUST TO GRADE
31	ATT	612T	10" CONCRETE ENCLOSURE	2289730.644	6216557.098	861.100	-7.60	ADJUST TO GRADE
32	ATT	613T	2" PIPE	2289751.466	6216560.297	861.070	-7.90	ADJUST TO GRADE
33	ATT	614T	2" PIPE	2289794.979	6216561.965	860.313	-6.08	ADJUST TO GRADE
83	ATT	PH1311	TELC60005	2289716.813	6216578.317	858.420	-2.20	
34	RPU	428E	22W CONCRETE ENCLOSURE	2288930.226	6215679.544	866.227	-2.85	
35	RPU	415E	24"W CONCRETE ENCLOSURE	2289119.991	6215815.752	864.985	-3.40	
36	RPU	416E	24"W CONCRETE ENCLOSURE	2289069.371	6215854.875	865.194	-3.00	
37	RPU	417E	36" CONCRETE ENCLOSURE	2289048.483	6215911.437	868.089	-3.52	
38	RPU	418E	24"W CONCRETE ENCLOSURE	2289164.454	6215869.556	865.143	-2.92	
39	RPU	419E	24"W CONCRETE ENCLOSURE	2289251.857	6215971.968	864.664	-3.59	
40	RPU	420E	4" CONDUIT	2289451.487	6216207.967	861.791	-3.15	
41	RPU	427E	3" PVC ELECTRICAL PIPE	2289613.909	6216518.034	860.909	-3.80	
42	RPU	426E	2" PVC ELECTRICAL PIPE	2289871.068	6216478.511	857.606	-4.15	
43	RPU	424E	24" CONCRETE ENCLOSURE	2289871.602	6216231.408	855.144	-6.14	
44	RPU	4422E	2" STEEL CONDUIT	2289871.546	6216161.064	854.750	-2.83	
45	RPU	422E	22" CONCRETE ENCLOSURE	2289871.105	6216161.019	854.749	-6.20	
46	RPU	4121E		2289872.154	6216030.620	853.540		
47	RPU	421E	24" CONCRETE ENCLOSURE	2289893.976	6216058.999	853.847	-4.69	
48	RPU	423E	1" ELECTRICAL LINE	2289988.062	6216206.594	852.488	-1.68	
49	RPU	425E	1" ELECTRICAL LINE	2290060.539	6216325.359	851.941	-1.76	

POTHOLE LOCATION TABLES UTILITY PLAN

NO SCALE

U-24

REVISED BY | DATE REVISED
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FUNCTIONAL SUPERVISOR: MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	426	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-7 POTHOLE LOCATION TABLE CONT'

X	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
50	GAS	713G	6" STEEL GAS PIPE	2289054.483	6215774.093	865.533	-3.51	
51	GAS	714G	6" STEEL GAS PIPE	2289114.207	6215844.905	865.153	-3.74	PROTECT IN PLACE
52	GAS	715G	6" STEEL GAS PIPE	2289154.040	6215891.522	865.062	-4.15	PROTECT IN PLACE
53	GAS	716G	6" STEEL GAS PIPE	2289184.101	6215926.763	864.856	-4.34	
54	GAS	717G	6" STEEL GAS PIPE	2289261.543	6216018.404	864.065	-4.35	
55	GAS	718G	6" STEEL GAS PIPE	2289341.546	6216112.932	862.848	-4.35	
56	GAS	7719G	6" STEEL GAS PIPE	2289475.906	6216272.079	861.239	-4.30	
57	GAS	724G	6" STEEL GAS PIPE	2289589.283	6216476.897	860.306	-4.05	
58	GAS	725G	6" STEEL GAS PIPE	2289679.643	6216584.428	860.799	-4.28	PROTECT IN PLACE
59	GAS	103G	TOP GAS PIPE	2289853.370	6216515.422	858.714	-6.6	PROTECT IN PLACE
60	GAS	722G	TOP 1/4" PIPE	2289803.300	6216481.484	857.851	-1.59	
61	GAS	721G	TOP CL 2-1" PIPES	2289813.775	6216480.579	857.834	-3.64	
62	GAS	723G	TOP 30" GAS LINE	2289828.743	6216488.120	858.135	-8.90	RELOCATE GAS VALVE DURING CONSTRUCTION BY SEMPRA
63	GAS	720G	TOP 30" GAS LINE	2289828.827	6216372.871	856.262	-3.70	PROTECT IN PLACE
64	GAS	796G	TOP 8" GAS LINE	2289837.885	6216514.510	858.782	-5.08	
65	GAS	102G	TOP GAS PIPE	2289853.113	6216425.048	857.004	-5.0	PROTECT IN PLACE
66	GAS	101G	TOP GAS PIPE	2289852.953	6216332.410	856.078	-4.5	PROTECT IN PLACE
67	GAS	100G	TOP GAS PIPE	2289853.301	6216227.156	855.545	-4.3	PROTECT IN PLACE
68	GAS	729G	TOP 30" GAS PIPE	2289829.134	6216181.895	855.164	-4.46	PROTECT IN PLACE
69	GAS	727G	TOP 6" GAS LINE	2289853.796	6216063.135	854.463	-4.20	PROTECT IN PLACE
70	GAS	728G	TOP 4" GAS LINE	2289902.645	6216064.265	853.718	-4.68	PROTECT IN PLACE
71	GAS	726G	TOP 30" GAS PIPE	2289829.475	6215768.292	851.583	-3.18	
72	SEWER	93S	INTERIOR CL FLOWLINE OF 6" SANITARY SEWER	2289128.001	6215875.126	865.280	-7.60	
73	SEWER	-	P MAN HOLE, SEWER	2289725.185	6216598.961	860.615	-6.63	
74	SEWER	-	SMH-CTR OF COVER P MAN HOLE, SEWER	2289864.735	6216314.468	855.73	-6.63	RIM ELEV: 855.73'/INV ELEV: 843.63'/INV ELEV: 843.58'
75	SEWER		INDSMH3 CL M.H. RIM	2289280.572	6216056.018	863.90	-7.08 FL	
76	SEWER		INDSMH1 CL M.H. RIM	2289506.505	6216323.858	861.32	-5.90 FL	
77	SEWER		SEWER M.H.	2289845.258	6215534.903	849.34	-8.68	
78	SEWER		SEWER M.H.	2289845.060	6215869.680	852.36	-8.68	
79	SEWER		SEWER M.H.	2289844.485	6216205.676	855.46	-8.90	
80	SEWER		SEWER M.H.	2289844.634	6216519.933	858.85	-9.45	
81	SEWER		SEWER M.H.	2289865.290	6215967.668	853.13	-11.45	
82	SEWER		SEWER M.H.	2289871.503	6215665.942	849.91	-9.90	

POTHOLE LOCATION TABLES UTILITY PLAN

NO SCALE

U-25

REVISED BY | DATE REVISED

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	427	2028

Mark Pertile 2-7-11
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 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.

U-8 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	229	8" ACP WATER LINE	2288647.561	6216204.650	878.557	-3.57	
2	COR	228	8" ACP WATER LINE	2288764.153	6216127.553	874.131	-3.75	
3	COR	227	8" ACP WATER LINE	2288850.919	6216069.407	873.838	-5.83	
4	COR	226	8" ACP WATER LINE	2288993.549	6215974.902	870.882	-5.66	
5	ATT	681	3" CABLE	2288757.094	6216160.048	874.195	-3.00	
6	ATT	682	3" CABLE	2288734.982	6216126.663	874.195	-3.00	
7	ATT	6200	4" FIBGIS	2288778.478	6216156.365	875.950	-4.27	
8	ATT	677	12" CONC ENC	2288798.508	6216142.269	873.904	-4.90	
9	ATT	678	4" PVC 4 PIP	2288867.063	6216095.963	873.995	-4.60	
10	ATT	666680	4" PVC 2 PIP	2288888.422	6216085.828	873.677	-3.38	
11	ATT	66680	4" PVC	2288888.194	6216084.993	873.691	-3.81	
12	ATT	680	S'LY 4" PVC	2288907.693	6216072.000	873.417	-3.05	
13	ATT	6679	½" PVC	2288907.925	6216070.108	873.446	-4.20	
14	ATT	679	9" V.C.P	2288907.588	6216069.651	873.525	-4.62	
15	ATT	6680	N'LY 4" PVC	2288908.060	6216072.504	873.691	-2.75	
16	RPU	433	1.5" ELECTRICAL CONDUIT	2288640.958	6216185.978	878.327	-1.98	
17	RPU	431	1.5" ELECTRICAL CONDUIT	2288753.378	6216112.116	875.586	-2.52	
18	RPU	432	4" CONCRETE PIPE	2288777.624	6216155.466	875.681	-5.95	
19	RPU	4200	4" PVC STACK	2288780.737	6216156.709	876.151	-4.55	
20	RPU	430	18"X18" ENCLOSURE	2288872.766	6216079.200	873.529	-2.58	
21	RPU	4435	3" PVC	2288878.754	6216086.629	873.868	-4.25	
22	RPU	435	3" PVC	2288887.953	6216084.721	873.711	-4.98	
23	RPU	429	24"X24" ENCLOSURE	2288858.475	6216049.437	873.198	-3.02	
24	RPU	436	18" CONCRETE ENCLOSURE	2288914.682	6215999.669	872.968	-3.93	
25	GAS	735	4" STEEL GAS LINE	2288608.891	6216248.460	880.157	-2.87	
26	GAS	734	4" STEEL GAS LINE	2288706.555	6216183.931	876.109	-2.87	
27	GAS	733	4" STEEL GAS LINE	2288776.550	6216137.609	873.502	-3.71	
28	GAS	732	4" STEEL GAS LINE	2288860.435	6216082.861	873.758	-3.63	
29	GAS	731	4" STEEL GAS LINE	2288941.171	6216029.251	872.500	-2.46	
30	GAS	7730	4" STEEL GAS LINE	2288994.549	6215999.381	870.743	-3.78	
31	SEWER	910	INTERIOR CENTERLINE 6" SEWER LINE	2288684.174	6216190.834	877.290	-5.45	
32	SEWER	98	FLOWLINE OUT 6" SEWER LINE	2288878.792	6216039.899	873.376	-6.28	
33	SPRINT	PH2	SPRINT FIBER OPTIC LINE (911 COMMUNICATION)	2288795.143	6216142.3660	873.651	-4.49	
34	SPRINT	PH1	SPRINT FIBER OPTIC LINE (911 COMMUNICATION)	2,88788.1790	6216134.726	873.113	-3.98	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-26

REVISED BY | DATE REVISED

MAJID ALLYAS | MARK PERTILE

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	428	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-9 POTHOLE DATA TABLE

X	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	236	2" WATER LINE	2289878.993	6216842.911	861.587	-3.70	
2	COR	-	L WATER LINE CWD MH IN S/W	2289898.714	6216816.680	861.912	-	
3	COR	231	12" CIP	2289878.779	6216695.100	860.668	-9.60	
4	COR	235	30" ACP WATER LINE	2289891.030	6216640.087	860.034	-10.52	
5	COR	232	12" WATER PIPE	2289879.444	6216595.119	859.673	-5.74	
6	COR	234	WATER PIPE	2289835.488	6216544.511	859.413	-6.2	
7	COR	234	30" CIP	2289881.639	6216534.592	858.178	-5.4	
8	COR	230	6" ACP WATER LINE	2290117.670	6216330.891	851.425	-3.16	
9	COR	238	42" CONCRETE ENCLOSURE	2290229.987	6216535.849	851.880	-2.37	
10	COR	2231	6" WATER LINE	2290291.064	6216516.397	850.871	-2.70	
11	COR	239	42" CONCRETE ENCLOSURE	2290294.077	6216536.756	851.300	-2.49	
12	COR	22232	30" ACP WATER LINE	2290435.933	6216538.755	850.038	-3.66	
13	COR	2232	6" ACP WATER LINE	2290436.511	6216539.432	850.036	-2.62	
14	ATT	630	15" CONCRETE ENCLOSURE	2289788.990	6216666.870	860.624	-2.20	
15	ATT	-	P MAN HOLE, TELEPHONE	2289904.373	6216693.892	860.721	-	
16	ATT	691	-	2289904.409	6216693.981	860.706	-	
17	ATT	6619	9" VCP ENCASEMENT	2289907.476	6216564.038	858.977	-6.33	
18	ATT	622	12" VCP	2290269.655	6216568.680	852.343	-3.80	
19	ATT	625	12" CONCRETE ENCLOSURE	2290354.000	6216573.193	850.079	-2.34	
20	ATT	624	12" CONCRETE ENCLOSURE	2290359.627	6216578.758	850.513	-2.68	
21	ATT	623	4" PVC	2290358.550	6216522.616	850.153	-2.45	
22	ATT	626	12" VCP	2290451.217	6216581.971	849.393	-3.28	
23	RPU	440	3 PVC LINES	2289791.286	6216771.709	861.138	-2.07	
24	RPU	439	2" PIPE	2289870.517	6216684.685	860.808	-4.75	
25	RPU	438	24" CONCRETE ENCASEMENT	2289884.369	6216549.337	858.438	-6.52	
26	RPU	EMH-3E	MAN HOLE, ELECTRICAL	2289871.174	6216549.196	858.918	-4.92	
27	RPU	437	1" CIP	2290106.575	6216401.757	851.697	-1.60	
28	RPU	448	2" CIP	2290286.696	6216519.257	851.044	-2.25	
29	RPU	450	2" PVC	2290397.574	6216578.339	849.972	-2.67	
30	RPU	4118	MH VAULT	2289872.419	6216887.052	861.029	-2.60	
31	RPU	-	COR TRANSFORM PAD CABLE, ELECTRICAL	2289903.897	6216888.089	861.818	-	
32	RPU	-	COR TRANSFORM PAD CABLE, ELECTRICAL	2289910.743	6216888.059	861.811	-	
33	RPU	-	COR TRANSFORM PAD CABLE, ELECTRICAL	2289903.929	6216881.241	861.767	-	
34	RPU	4119	VAULT RIM TO GROUT LINE	2289871.415	6216826.885	861.624	-1.33	
35	RPU	-	MAN HOLE, ELECTRICAL	2289871.417	6216826.902	861.668	-2.06	
36	RPU	443	2" PIPE	2289870.958	6216752.153	861.304	-7.55	
37	GAS	7100	8" STEEL ELBOW	2289803.267	6216895.478	860.816	-4.10	
38	GAS	752	6" STEEL GAS LINE	2289802.667	6216893.607	860.813	-3.52	
39	GAS	1601	6" STEEL GAS LINE	2,289,783.57	6,216,721.83	861.02	-6.75	
40	GAS	751	6" STEEL GAS LINE	2289820.773	6216894.325	861.046	-3.56	
41	GAS	750	8" STEEL GAS LINE	2289823.995	6216895.351	861.130	-3.89	
42	GAS	7746	8" STEEL GAS LINE	2289823.744	6216692.554	861.183	-8.72	
43	GAS	7747	6" STEEL GAS LINE	2289822.239	6216693.161	861.170	-6.46	
44	GAS	7746	8" STEEL GAS LINE	2289823.744	6216692.554	861.183	-8.72	
45	GAS	747	6" STEEL GAS LINE	2289822.390	6216656.909	861.034	-7.08	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-27

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	429	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-9 POTHOLE DATA TABLE CONT'

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
46	GAS	046	18" STEEL GAS LINE	2289824.434	6216655.999	861.068	-8.31	
47	GAS	104	GAS LINE	2289852.851	6216634.431	860.929	-6.0	
48	GAS	748	18" ENCASED GAS LINE	2289881.728	6216515.738	857.911	-5.20	
49	GAS	730	6" GAS LINE	2290122.149	6216328.609	851.397	-3.66	
50	GAS	739	4" GAS LINE	2290348.169	6216526.522	850.668	-3.54	
51	GAS	741	8" GAS LINE	2290360.52	6216522.73	850.126	-4.10	
52	GAS	738	8" GAS LINE	2290283.46	6216521.47	851.135	-3.79	
53	GAS	740	4" GAS LINE	2290347.71	6216557.80	850.952	-3.86	
54	GAS	742	8" GAS LINE	2290360.00	6216567.38	850.283	-3.83	
55	GAS	739	15" GAS LINE	2290198.21	6216520.16	852.314	-3.38	
56	SEWER	912	RIM TO FLOWLINE	2289867.818	6216897.358	860.945	-7.96	
57	SEWER	-	SSMH	2289863.52	6216717.97	861.17	-15.05	
58	SEWER	-	SSMH	2289843.65	6216738.21	861.58	-9.73	
59	SEWER	-	SSMH	2290292.27	6216947.41	855.94	-	
60	SEWER	-	SSMH	2290285.96	6216943.95	855.94	-	

U-10 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	-	PH #40, 42" WATER LINE	-	-	-	-3.70	
2	COR	-	PH #41, 42" WATER LINE	-	-	-	-6.90	
3	ATT	634	4" CASING	2291181.482	6217158.543	852.868	-8.35	
4	ATT	631	4" CONDUIT	2291182.614	6217311.699	851:753	-4.96	
5	COR	-	PH #41, 42" WATER LINE	2,291,401.93	6,217,517.27	862.48	-	

U-11 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	247	42" R.C.P.	2291993.016	6217699.085	856.622	-7.95	
2	COR	-	PH #48, 42" WATER LINE	-	-	854.19	-5.15	
3	COR	-	PH #49, 42" WATER LINE	-	-	855.04	-5.42	
4	COR	250	42" WATER LINE	2292249.059	6217874.405	855.868	-6.43	
5	COR	-	WATER PH #51, 42" WATER LINE	-	-	854.12	-7.0	
6	COR	252	42" R.C.P	2292743.102	6218288.494	866.550	-6.90	
7	COR	-	PH #46, 6" R.C.P	-	-	849.75	-3.86	
8	COR	-	PH #44, 6" R.C.P	-	-	848.34	-3.65	
9	COR	2261	20" A.C.P	2292511.260	6217612.872	847.505	-2.15	
10	COR	-	PH #45, WATER LINE	-	-	846.98	-3.37	
11	COR	-	PH #43, 4" STEEL WATER LINE	-	-	845.57	-4.0	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-28

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	430	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-11 POTHOLE DATA TABLE CON'T

⊗	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
12	COR	254	42" R.C.P.	2292822.791	6218352.630	867.054	-6.00	
13	ATT	-	PH #38, 5" PVC	-	-	854.84	-2.32	
14	ATT	-	PH #39, 5" PVC	-	-	853.40	+2.68	
15	ATT	-	PH #37, 5" PVC	-	-	853.83	-2.49	
16	ATT	-	TELEPHONE MANHOLE	2292526.365	6218170.753	853.716	-2.06	
17	ATT	-	PH #36, ENCASEMENT VCP	-	-	853.01	-3.00	
18	ATT	-	PH #35, ENCASEMENT VCP	-	-	850.56	-4.25	
19	ATT	-	PH #41, FIBER OPTIC	-	-	846.56	-1.72	
20	RPU	-	ELEC PH #58, 2" GALVANIZE PIPE	-	-	853.52	-2.60	
21	RPU	-	ELEC PH #57, 2" GALVANIZE PIPE	-	-	853.26	-2.71	
22	RPU	-	ELEC PH #59, 24" WIDE CONCRETE ENCLOSURE	-	-	853.02	-2.83	
23	RPU	-	ELEC PH #56, 2" GALVANIZE PIPE	-	-	853.68	-3.21	
24	RPU	-	ELEC PH #55, 2" GALVANIZE PIPE	-	-	850.13	-2.52	
25	RPU	-	ELEC PH #60, 4" WIDE CONCRETE ENCLOSURE	-	-	849.89	-3.13	
26	RPU	461	22" CONCRETE ENCLOSURE	2292513.480	6217612.888	847.480	-3.37	
27	RPU	-	ELEC PH #62, 1&2" GALVANIZED PIPE	-	-	846.59	-1.75	
28	RPU	-	ELEC PH #63, 2" GALVANIZED PIPE	-	-	847.02	-2.7	
29	RPU	464	1" GALVANIZED PIPE	2292888.733	6218016.269	855.540	-1.65	
30	RPU	465	1" GALVANIZED PIPE	2292888.733	6218016.269	855.540	-1.38	
31	RPU	466	1" GALVANIZED PIPE	2293048.225	6218211.380	860.966	-1.98	
32	GAS	753	2" STEEL GAS LINE	2293027.090	6218168.772	857.987	-2.76	
33	GAS	754	2" STEEL GAS LINE	2293080.808	6218251.298	864.171	-2.90	
34	GAS	755	2" STEEL GAS LINE	2293159.289	6218300.419	866.176	-2.85	
35	SEWER	-	SSMH	2292487.65	6218077.58	854.62	-5.21	
36	SEWER	-	SSMH	2292490.20	6217747.12	850.86	-6.94	
37	SEWER	-	SSMH	2292490.37	6217534.29	846.47	-7.65	
38	SEWER	-	SSMH	2292796.18	6217851.40	852.44	-6.30	
39	SEWER	-	SSMH	2293008.83	6218075.59	856.27	-7.0	

U-13 POTHOLE DATA TABLE

⊗	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	268	24" STEEL WATER LINE	2294646.765	6219936.482	922.518	-3.98	
2	COR	267	18" STEEL WATER LINE	2294641.619	6219918.738	921.751	-6.25	
3	COR	264	42" R.C.P.	2294658.694	6219766.172	923.446	-7.96	
4	COR	262	42" R.C.P.	2294534.804	6219730.719	914.753	-4.15	
5	COR	WV1	WATER VALVE	-	-	920.63	-	
6	COR	WV3	WATER VALVE	-	-	920.40	-	
7	COR	BOV1	WATER VALVE	-	-	922.08	-	
8	COR	BOV2	WATER VALVE	-	-	922.09	-	
9	COR	269	24" STEEL WATER LINE	2294710.629	6219905.739	920.551	-4.30	
10	COR	2269	24" STEEL WATER LINE	2294724.932	6219922.584	920.397	-7.75	
11	COR	-	24" STEEL WATER LINE	2294809.18	6219902.917	908.852	-4.39	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-29

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: MAJID ALLYAS
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 18:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	431	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-13 POTHOLE DATA TABLE CON'T

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
12	COR	PH #140	TOP 12" CONCRETE ENCLOSURE	-	-	911.88	-4.05	
13	COR	NEW PH#140	TOP 4" WATER LINE	-	-	897.28	-2.0	
14	COR	266	TOP 42" R.C.P.	2294761.170	6219781.544	922.899	-5.88	
15	COR	270	TOP 42" R.C.P.	2295004.870	6219810.005	909.405	-4.28	
16	COR	271	TOP 42" R.C.P.	2295112.522	6219821.597	906.257	-4.80	
17	COR	272	TOP 42" R.C.P.	2295222.873	6219832.585	903.905	-12.10	
18	COR	273	TOP 42" R.C.P.	2295312.372	6219837.498	902.883	-4.20	
19	COR	260	8" D.I.P.	2294801.618	6219519.320	932.843	-2.85	
20	COR	261	8" D.I.P.	2294803.997	6219531.425	931.888	-2.76	
21	ATT	6649	4" PVC	2294686.289	6219761.183	924.915	-2.20	
22	ATT	649	2.5" PVC	2294685.901	6219761.106	924.657	-1.60	
23	GAS	759	2" GAS LINE	2294538.494	6219750.142	914.882	-3.43	
24	GAS	760	2" STEEL GAS LINE	2294712.614	6219771.409	924.277	-3.45	
25	GAS	757	2" STEEL GAS LINE	2294765.807	6219559.552	930.682	-4.13	
26	GAS	756	2" STEEL GAS LINE	2294807.940	6219529.614	931.997	-3.61	
27	SPRINT	SPRINT2	TOP OF ENCASEMENT FOR FIBEROPTIC	-	-	891.82	-	
28	SPRINT	SPRINT1	TOP OF ENCASEMENT FOR FIBEROPTIC	-	-	891.82	-	
29	SPRINT	OG2	-	-	-	897.23	-	
30	SPRINT	OG1	-	-	-	895.90	-	

U-14 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	274a	TOP 24" RCP	2295517.516	6219862.005	898.711	-4.38	
2	COR	274	TOP 24" RCP	2295521.431	6219857.683	898.509	-4.00	
3	COR	275	TOP 24" RCP	2295608.678	6219863.412	895.423	-3.50	
4	COR	277	TOP 24" RCP	2295691.292	6219872.252	892.430	-3.90	
5	COR	276	TOP 24" RCP	2295691.382	6219867.642	892.524	-3.98	
6	COR	278	TOP 24" RCP	2295913.567	6219878.631	885.389	-4.45	
7	COR	279	TOP 24" RCP	2296045.549	6219887.024	882.309	-3.74	
8	COR	280	-	2296096.899	6219832.467	870.423	-	
9	COR	284	-	2296101.602	6219722.004	870.943	-	
10	COR	-	CULVERT, TOP ELEVATION, 66.5" OD TOP HDWL	2296239.946	6219541.052	871.367	-1.24	
11	COR	-	DIRT SHOT AT HDWL	2296239.757	6219540.010	869.986	-	
12	COR	-	DIRT SHOT AT HDWL	2296239.757	6219540.010	869.986	-	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-30

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FUNCTIONAL SUPERVISOR: MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	432	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-15 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	274a	CULVERT TOP, 8.8 WIDE CONC BOX	2297314.342	6220179.181	874.847	-0.00	
2	COR	-	CULVERT, TOP CONC BOX	2297188.882	6220175.607	874.467	-3.0	
3	COR	-	CULVERT, TOP CONC BOX	2297217.570	6220180.674	874.735	-1.70	
4	GAS	VENT9015	3" DIA. GAS PIPE	-	-	876.58	-	
5	GAS	GLN6000	8" DIA. GAS PIPE	2,297,285.09	6,220,124.35	875.01	-12	
6	GAS	GLN6009	8" DIA. GAS PIPE	2,297,331.67	6,220,018.98	841.56	-11.2	
7	GAS	GLN6004	8" DIA. TOP CONC CASE	2,297,370.47	6,219,984.70	834.71	-9.84	
8	GAS	761	8" DIA. GAS LINE	2297471.796	6219805.903	814.994	-6.30	
9	GAS	GLN4008	8" DIA. GAS LINE	2297170.44	6220331.23	881.08	-3.40	
10	SEWER		SEWER MANHOLE	2296790.458	6219611.601	825.84	-8.72	
11	SEWER		SEWER MANHOLE	2296786.312	6219607.381	625.96		LOCKED WITH BOLTS
12	SEWER		SEWER MANHOLE	2297355.585	6219993.410	831.85	-12.52	
13	SEWER		SEWER MANHOLE	2297508.196	6220061.898	857.89	-17.70	
14	SEWER		SEWER MANHOLE	2297553.999	6219662.410	812.00	-7.94	
15	SEWER		SEWER MANHOLE	2297547.064	6219662.054	812.13	-8.15	
16	SEWER		SEWER MANHOLE	2297542.534	6219668.648	812.13	-7.06	

U-16 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	-	CULVER, TOP ELEVATION @ 66.5 OD"/54" ID RCP	2296359.169	6219228.715	870.889	-1.5	
2	COR	-	CULVER, TOP ELEVATION @ 66.5 OD"/54" ID RCP	2296402.545	6219144.152	871.257	-1.24	
3	COR	PH #91	TOP 24" STEEL PIPE	-	-	871.340	-8.69	
4	COR	PH #87	TOP 24" STEEL PIPE	-	-	873.120	-5.32	

U-17 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	2135	30" M.L.C	2297804.571	6220712.776	880.688	-7.33	
2	COR	2134	30" M.L.C	2297850.191	6220521.807	881.236	-8.22	
4	GAS	1612	2" DIA. GAS PIPE (GLN2094)	2,297,444.24	6,220,517.52	882.00	-2.20	
5	GAS	7102	2" DIA. GAS PIPE	2,297,870.411	6,220,519.339	880.355	-6.62	
6	GAS	1611	2" DIA. GAS PIPE (GLN2092)	2,297,555.97	6,220,318.10	876.64	-2.75	
7	GAS	7101	2" DIA. GAS PIPE	2,297,821.258	6,220,699.467	880.441	-3.20	
8	SEWER		SEWER MANHOLE	2,297,559.529	6,220,304.004	876.17	-20.77	
9	SEWER		SEWER MANHOLE	2,297,656.195	6,220,135.905	872.80	-17.85	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-31

REVISED BY | DATE REVISED
MAJID ALLYAS | MARK PERTILE
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FUNCTIONAL SUPERVISOR: MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	433	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-18 POTHOLE DATA TABLE

X	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	293	30" A.C.P.	2297958.486	6220322.062	873.654	-6.46	
2	COR	2293	4" STEEL PIPE	2297958.093	6220321.409	873.573	-2.90	
3	COR	295	30" A.C.P.	2298109.809	6220057.535	863.189	-3.56	
4	COR	294	¾" COPPER WATER LINE	2298117.472	6220026.439	861.911	-1.37	
5	COR	2294	¾" A.C.P. WATER LINE	2298117.993	6220025.228	861.849	-1.45	
6	COR	1225	48" DIA. RCP (WL7004)	-	-	839.81	-1.75	
7	COR	PCC7006	TOP CONC DEPTH 6", TOP SLURRY 48" RCP	-	-	840.54	-	
8	COR	PCC7007	TOP CONC DEPTH 6", TOP SLURRY 48" RCP	-	-	840.66	-	
9	COR	289	12 " A.C.P. WATER LINE	2298926.958	6220412.598	864.659	-4.57	
10	ATT	658	4" PVC	2298170.153	6220039.607	862.602	-3.04	
11	ATT	660	4" PVC	2298128.794	6219998.831	860.303	-2.35	
12	RPU	469	1" GALVANIZED PIPE	2298163.864	6220050.525	862.944	-1.36	
13	RPU	470	1" GALVANIZED PIPE	2298202.815	6220061.495	864.191	-1.60	
14	RPU	VLT5007	SLUICE BOX TOP, ELEV ON TOP PLY WOOD LID.	2,298,552.77	6,220,576.98	-	-6.14	
15	GAS	767	2" DIA. STEEL GAS PIPE	2298835.763	6220749.077	869.650	-3.27	
16	GAS	766	2" DIA. STEEL GAS PIPE	2298780.466	6220718.728	870.390	-3.35	
17	GAS	765	2" DIA. STEEL GAS PIPE	2299018.941	6220471.829	864.132	-2.65	
18	GAS	764	2" DIA. GAS TEE	2298940.780	6220426.236	864.737	-2.85	
19	SEWER		SEWER MANHOLE	2298759.481	6220725.894	869.94	-8.72	
20	SEWER		SEWER MANHOLE	2298929.171	6220428.240	864.85	-4.19	

U-19 POTHOLE DATA TABLE

X	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	COR	107	6" WATER LINE (WATER PH #107)	-	-	868.27	-3.18	
2	COR	299	12" A.C.P. WATER LINE	2299118.322	6220521.940	862.288	-3.18	
3	COR	100	12" STEEL WATER LINE (WATER PH #100)	2,299,484.82	6,220,732.38	860.88	-4.68	
4	COR	101	12" STEEL WATER LINE (WATER PH #101)	2,299,545.52	6,220,767.49	860.62	-3.20	
5	COR	108	8" WATER LINE (WATER PH #108)	2,299,489.69	6,221,212.71	867.75	-2.95	
6	COR	109	8" WATER LINE (WATER PH #109)	2,299,550.70	6,221,248.83	868.49	-4.10	
7	COR	102	12" WATER LINE (WATER PH #102)	2,299,777.27	6,220,899.87	860.88	-2.60	
8	COR	103	A.C.P. WATER LINE (WATER PH #103)	2,299,872.51	6,220,953.95	862.25	-4.70	
9	COR	105	6" C.I.P. WATER LINE (WATER PH #105)	2,300,053.78	6,221,056.02	861.39	-3.48	
10	COR	106	6" C.I.P. WATER LINE (WATER PH #106)	2,300,139.04	6,221,104.54	860.64	-2.77	
11	COR	112	6" C.I.P. WATER LINE (WATER PH #112)	2,299,818.70	6,221,384.05	867.54	-4.34	
12	COR	113	6" C.I.P. WATER LINE (WATER PH #113)	2,300,000.42	6,221,486.93	866.37	-4.25	
13	ATT	64	TOP CONDUIT (PHONE PH #64)	2,299,547.38	6,221,287.54	866.29	-5.40	
14	ATT	65	36" CONC ENCLOSURE (PHONE PH #65)	2,299,653.68	6,221,288.47	864.32	-1.15	
15	ATT	1308	26" CONC ENCLOSURE (TELC7001)	2,299,601.06	6,221,304.35	858.34	-5.58	
16	ATT	-	MAN HOLE, TELEPHONE (4TMH)	2299838.019	6220980.846	862.202	-	
17	ATT	63	8" VCP CONDUIT (PHONE PH #63)	2,299,861.38	6,220,943.21	861.85	-2.50	
18	ATT	66	TOP 1.8W CONC ENCLOSURE (PHONE PH #66)	2,299,950.55	6,220,785.64	859.61	-4.11	
19	ATT	68	TOP ¾ ATT CABLE (PHONE PH #68)	2,300,078.62	6,221,054.47	861.39	-2.6	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-32

REVISED BY | DATE REVISED
MAJID ALLYAS | MARK PERTILE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	434	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-19 POTHOLE DATA TABLE Cont

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
20	ATT	62	TOP ¾ ATT CABLE (PHONE PH #62)	2,300,142.34	6,221,091.50	861.18	-2.3	
21	ATT	67	TOP ¾ ATT CABLE (PHONE PH #67)	2,300,228.19	6,221,134.27	860.13	-3.08	
22	RPU	76	24" W ENCASEMENT (ELEC PH #76)	2,299,631.76	6,221,278.39	863.79	-3.70	
23	RPU	73	TOP SLURRY ENCASEMENT (ELEC PH #73)	2,299,545.52	6,221,233.17	868.63	-5.61	
24	RPU	4774	TOP OF VAULT COVER	2299592.746	6221259.243	867.396	-	
25	RPU	74	24" W ENCASEMENT (ELEC PH #74)	2,299,614.93	6,221,270.54	865.19	-4.50	
26	RPU	75	TOP CONC ENCASEMENT (ELEC PH #75)	2,299,640.84	6,221,273.51	864.22	-3.55	
27	RPU	71	TOP CONC ENCASEMENT (ELEC PH #71)	2,299,664.34	6,221,232.97	865.11	-1.60	
28	RPU	4476	TOP 3" STEEL CONDUIT	2299624.293	6221293.573	863.340	-1.65	
29	RPU	78	TOP CONC ENCASEMENT (ELEC PH #78)	2,299,717.05	6,221,330.87	863.39	-2.32	
30	RPU	490	TOP 2" STEEL CONDUIT	2299724.67	6221321.421	863.748	-2.70	
31	RPU	477	TOP 2" STEEL CONDUIT	2299744.111	6221278.059	864.490	-2.58	
32	RPU	82	TOP 24" CONC ENCASEMENT (ELEC PH #82)	2,299,816.47	6,221,387.35	867.50	-3.06	
33	RPU	91	TOP 24" CONC ENCASEMENT (ELEC PH #91)	2,299,789.18	6,221,015.26	862.57	-3.06	
34	RPU	92	TOP 22" W ENCASEMENT (ELEC PH #92)	2,299,722.82	6,220,872.21	860.60	-2.35	
35	RPU	84	TOP 16" W ENCASEMENT (ELEC PH #84)	2,299,808.40	6,220,921.20	861.13	-2.77	
36	RPU	-	CLMH, P MAN HOLE, ELECTRICAL (EMH-5E)	2299810.642	6220981.617	862.100	-	
37	RPU	86	TOP 18" W ENCASEMENT (ELEC PH #86)	2,300,000.75	6,220,796.71	859.57	-3.50	
38	RPU	87	TOP 18" W ENCASEMENT (ELEC PH #87)	2,300,018.50	6,220,803.36	859.45	-2.98	
39	GAS	83	TOP 3" DIA. GAS PIPE (GAS PH #83)	-	-	868.77	-2.85	
40	GAS	82	TOP 2" DIA. GAS PIPE (GAS PH #82)	-	-	869.25	-3.58	
41	GAS	84	TOP 3" DIA. GAS PIPE (GAS PH #84)	-	-	868.94	-3.90	
42	GAS	785	TOP 8" DIA. STEEL GAS PIPE	2299543.779	6221253.257	867.703	-7.37	
43	GAS	86	TOP 8" DIA. GAS PIPE (GAS PH #86)	2,299,622.07	6,221,298.64	863.14	-3.21	
44	GAS	87	TOP 8" DIA. GAS PIPE (GAS PH #87)	2,299,640.18	6,221,300.30	863.82	-3.81	
45	GAS	88	TOP 8" DIA. STEEL GAS PIPE (GAS PH #88)	2,299,718.17	6,221,345.76	863.91	-3.0	
46	GAS	89	TOP 8" DIA. GAS PIPE (GAS PH #89)	2,299,781.83	6,221,383.05	867.75	-7.25	
47	GAS	90	TOP 8" DIA. GAS PIPE (GAS PH #90)	2,299,899.09	6,221,455.22	866.65	-3.52	
48	GAS	91	TOP 8" DIA. GAS PIPE (GAS PH #91)	2,300,037.99	6,221,530.81	866.47	-3.20	
49	GAS	70	TOP 2" PLASTIC GAS PIPE (GAS PH #70)	2,299,485.62	6,220,731.83	860.95	-4.72	
50	GAS	72	TOP 2" GAS PIPE (GAS PH #72)	2,299,549.09	6,220,772.70	860.58	-2.93	
51	GAS	77A	TOP 2" STEEL GAS PIPE (GAS PH #77A)	2,299,973.82	6,221,015.45	861.79	-3.10	
52	GAS	77B	TOP 2" STEEL GAS PIPE (GAS PH #77B)	2,299,973.89	6,221,015.43	861.78	-2.19	
53	GAS	75	TOP 6" STEEL GAS PIPE (GAS PH #75)	2,299,904.98	6,220,977.38	862.10	-2.45	
54	GAS	74	TOP 6" C.I.P. GAS PIPE (GAS PH #74)	2,299,926.84	6,220,937.98	861.62	-2.98	
55	GAS	73	TOP 6" C.I.P. GAS PIPE (GAS PH #73)	2,299,980.21	6,220,845.31	860.28	-2.75	
56	GAS	76	TOP 6" C.I.P. GAS PIPE (GAS PH #76)	2,300,005.89	6,220,799.74	859.60	-3.04	
57	GAS	78	TOP 2" STEEL GAS PIPE (GAS PH #78)	2,300,052.18	6,221,060.29	861.46	-3.21	
58	GAS	779	TOP 2" GAS PIPE	2300079.917	6221076.100	861.187	-3.45	
59	GAS	80	TOP 2" STEEL GAS PIPE (GAS PH #80)	2,300,138.37	6,221,109.25	860.96	-2.88	
60	GAS	81	TOP 2" STEEL GAS PIPE (GAS PH #81)	2,300,224.90	6,221,158.99	860.67	-2.65	
61	SEWER	SS1079	8" DIA. SEWER TOP	2,299,855.46	6,221,413.57	863.93	-3.26	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-33

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY / CHECKED BY
MAJID ALLYAS / MARK PERTILE
REVISED BY / DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	435	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-19 POTHOLE DATA TABLE Cont

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
62	SEWER	9201	TOP JCT STRUCTURE	2299589.191	6221237.402	866.645	-7.10	
63	SEWER		SEWER MANHOLE	2,299,098.34	6,220,524.90	863.08	-4.40	
64	SEWER		SEWER MANHOLE	2,299,255.13	6,220,614.69	861.85	-4.06	
65	SEWER		SEWER MANHOLE	2,299,085.06	6,220,912.97	868.87	-4.25	
66	SEWER		SEWER MANHOLE	2,299,529.10	6,221,212.17	868.33	-5.52	
67	SEWER		SEWER MANHOLE	2,299,618.10	6,221,260.46	864.96	-2.48	
68	SEWER		SEWER MANHOLE	2,299,751.65	6,221,354.78	865.68	-2.80	
69	SEWER		SEWER MANHOLE	2,300,026.36	6,221,517.35	866.49	-7.42	
70	SEWER		SEWER MANHOLE	2,299,754.66	6,221,177.03	864.82	-3.00	
71	SEWER		SEWER MANHOLE	2,299,823.30	6,221,057.30	863.21	-3.15	
72	SEWER		SEWER MANHOLE	2,299,874.98	6,220,969.72	862.39	-8.40	
73	SEWER		SEWER MANHOLE	2,300,039.98	6,220,680.63	858.25	-8.90	

U-20 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	RPU	2117	TOP 12" A.C.P.	2300183.346	6221591.864	867.877	-3.80	
2	RPU	2119	TOP 12" A.C.P.	2300358.293	6221685.550	868.321	-7.40	
3	RPU	1201	36" DIA. WATER LINE (WL1034)	2300378.21	6221707.79	868.3	-4.41	
4	RPU	-	12" DIA. WATER LINE (WL1027)	-	-	867.87	-7.6	
5	RPU	2118	TOP 36" R.C.P.	2300398.086	6221672.001	868.704	-4.95	
6	RPU	2121	TOP VALVE HANDLE	2300440.002	6221598.363	866.966	-3.70	
7	RPU	2120	TOP 36" R.C.P	2300473.179	6221540.623	858.130	-4.10	
8	RPU	-	12" DIA. WATER LINE (WL1023)	2,300,558.09	6,221,799.59	867.12	-5.58	
9	RPU	-	14" DIA. WATER LINE (WL1020)	2,300,604.34	6,221,834.26	866.93	-5.25	
10	RPU	-	12" DIA. WATER LINE (WL1016)	2,300,646.99	6,221,850.37	866.53	-5.38	
11	RPU	1207	0.14' DIA. WATER LINE (WL1042)	2,300,667.20	6,221,867.67	866.41	-4.43	
12	RPU	-	36" DIA. A.C.P. WATER LINE (PH #116)	2,300,571.84	6,221,370.22	862.74	-4.95	
13	RPU	-	36" DIA. A.C.P. WATER LINE (PH #115)	2,300,579.35	6,221,355.91	861.74	-4.02	
14	RPU	-	2" DIA. C.I.P. WATER LINE (PH #114)	2,300,585.57	6,221,314.10	861.41	-1.27	
15	RPU	1221	4" DIA. WATER LINE (WL1064)	2,300,603.19	6,221,283.01	860.89	-1.46	
16	RPU	1221	4" DIA. WATER LINE (WL4003)	2,300,604.74	6,221,283.85	860.99	-2.76'	
17	RPU	1219	2" DIA. ABANDON WATER LINE (WL1062)	2,300,649.46	6,221,202.64	859.59	-0.88'	
18	RPU	1219	4" DIA. WATER LINE (WL4002)	2,300,649.82	6,221,204.35	859.66	-2.70'	
19	RPU	-	36" DIA. WATER LINE (WL2048)	2,300,754.19	6,221,050.24	857.17	-4.82'	
20	RPU	1215	24" DIA. WATER LINE (WL1512)	2,300,793.70	6,221,040.25	856.35	-5.00'	
21	RPU	1222	36" DIA. WATER LINE (WL1055)	2,300,618.53	6,221,287.62	860.94	-3.46'	
22	RPU	1220	36" DIA. WATER LINE (WL1058)	2,300,660.11	6,221,214.83	859.76	-3.20'	
23	RPU	PH1218	36" DIA. WATER LINE (WL2050)	2,300,726.48	6,221,097.76	857.86	-3.80'	
24	RPU	-	4" DIA. WATER LINE (WL2053)	2,300,788.14	6,221,063.07	856.02	-2.35'	
25	RPU	1214	24" DIA. WATER LINE (WL1515)	2,300,979.04	6,221,144.84	846.97	-6.74'	
26	RPU	1223	8" DIA. WATER LINE (WL3068)	2,301,101.43	6,221,201.92	844.64	-3.87'	
27	RPU	1213	24" DIA. WATER LINE (WL1524)	2,301,094.23	6,221,214.01	845.59	-7.95'	
28	RPU	1224	8" DIA. WATER LINE (WL3070)	2,301,125.41	6,221,215.50	845.06	-3.17'	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-34

REVISED BY | DATE REVISED
MAJID ALLYAS | MARK PERTILE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	436	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 CIVIL STATE OF CALIFORNIA

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U-20 POTHOLE DATA TABLE Cont

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
29	RPU	1212	24" DIA. WATER LINE (WL1529)	2,301,115.57	6,221,226.76	845.24	-7.68′	
30	RPU	PH #123	TOP D.I.P. WATER LINE	2,301,087.26	6,221,266.53	844.75	-2.64′	
31	RPU	PH #126	24" A.C.P. WATER LINE	2,301,405.05	6,221,490.30	859.14	-8.14′	
32	RPU	PH #127	24" A.C.P. WATER LINE	2,301,374.75	6,221,543.61	859.72	-7.42′	
33	RPU	PH #128	24" A.C.P. WATER LINE	2,301,364.47	6,221,560.40	859.59	-6.95′	
34	RPU	PH #124	TOP 4" WATER LINE	2,300,997.30	6,221,423.69	848.10	-3.40′	
35	RPU	PH #125	2" GALV WATER LINE	2,300,954.03	6,221,469.73	850.05	-1.78′	
36	RPU	WL1025	14" DIA. WATER LINE	2,300,779.87	6,221,939.01	865.76	-7.2′	
37	RPU	WL1018	12" WATER LINE	2,300,813.19	6,221,946.05	865.35	-5.38′	
38	RPU	WL1040	14" WATER LINE	2,300,864.55	6,221,988.64	865.38	-4.71′	
39	ATT	683	TOP C/L 5 PVC PIP	2300206.332	6221581.979	868.615	-3.73	
40	ATT	684	TOP 4" PVC CL6 P	2300238.775	6221600.132	868.632	-3.85	
41	ATT	239	FIBER OPTIC (COND2088)	2,300,336.44	6,221,666.99	868.36	-	
42	ATT	1301	2" CONDUIT (TELC1500)	2,300,862.99	6,221,956.00	865.46	-4.17	
43	ATT	1302	2 IN CONDS 8	2,300,913.24	6,221,985.30	865.89	-2.53′	
44	ATT	1305	4-LINES (TELC2045)	2,300,724.29	6,221,029.57	857.73	-2.77	
45	ATT	1304	4-LINES (TELC2051)	2,300,782.12	6,221,062.70	856.11	-2.76	
46	ATT	-	¾" ATT (PH #70)	2,301,094.07	6,221,257.96	844.56	-3.65	
47	ATT	-	1" O.D. IP ATT (PH #69)	2,301,430.16	6,221,449.05	857.91	-2.50	
48	RPU	4105	TOP 18" CONC ENCASEMENT	2300136.772	6221539.300	868.020	-4.16	
49	RPU	-	ELECTRICAL (VLT2108)	2,300,277.09	6,221,695.70	869.49	-3.70	
50	RPU	1406a	UNKNOWN CONC. CASE (ELC1048)	2,300,287.88	6,221,675.71	868.49	-1.59	
51	RPU	1406	2" ELECTRICAL (ELC1050)	2,300,287.02	6,221,676.68	868.47	-1.72	
52	RPU	1405a	ELECTRICAL (ELC1046)	2,300,303.59	6,221,646.38	868.29	-2.00	
53	RPU	1405	TWO 2 IN PIPE STACKED ELECTRICAL (ELC1044)	2,300,304.55	6,221,646.87	868.26	-1.90	
54	RPU	-	3.5′ WIDE ELECTRICAL (PB2123)	2,300,341.19	6,221,647.27	868.78	-2.5	
55	RPU	-	TOP CONC ENCLOSURE (PH #104)	2,300,591.98	6,221,350.84	861.19	-3.27	
56	RPU	-	2IN COND CASE BELOW (ELC1060)	2,300,667.88	6,221,216.76	859.11	-1.69	
57	RPU	1423	2IN DIA. ELECTRICAL (ELC1072)	2,300,726.79	6,221,111.74	857.53	-2.13	
58	RPU	-	1.5′ WIDTH ELECTRICAL (PB2051)	2,300,748.16	6,221,086.92	857.06	-1.00	
59	RPU	1421	ELECTRICAL (ELC1076)	2,300,760.84	6,221,054.00	856.96	-3.45	
60	RPU	1419	UNKNOWN CONC SIZE (ELC1077)	2,300,753.97	6,221,031.25	856.56	-3.72	
61	RPU	1420	18IN W COND (ELC1506)	2,300,772.65	6,221,034.47	856.94	-2.89	
62	RPU	1416	ST LITE 1IN (ELC4006)	2,300,829.44	6,221,021.89	854.52	-2.12	
63	RPU	1415	ST LITE (ELC2086)	2,300,923.81	6,221,144.09	849.05	-2.20	
64	RPU	1414	ST LITE (ELC2083)	2,300,960.71	6,221,099.08	847.55	-1.95	
65	RPU	1413	18IN CONC (ELC1520)	2,301,007.23	6,221,170.95	845.77	-3.64	
66	RPU	1480	18IN CONC (ELC1511)	2,300,785.41	6,221,047.83	856.63	-3.85	
67	RPU		ST LITE (ELC4004)	2,300,798.63	6,221,071.33	855.50	-1.40	
68	RPU	PB2044	ELECTRICAL, 1.5′ WIDTH	2,300,794.30	6,221,074.32	855.94	-2.00	
69	RPU		4" PVC (ELC2081)	2,300,660.42	6,221,254.34	860.12	-3.08	
70	RPU		4" PVC (ELC2072)	2,300,645.23	6,221,280.56	860.34	-2.54	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-35

REVISED BY | DATE REVISED
MAJID ALLYAS | MARK PERTILE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	437	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 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.

U-20 POTHOLE DATA TABLE Cont

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
71	RPU	1430	2" COND (ELC7002)	2,300,623.05	6,221,295.44	860.38	-2.65	
72	RPU		TOP 3/4" GAL ELEC (ELEC PH #96)	2,300,976.09	6,221,414.93	847.82	-0.71	
73	RPU		TOP 1" GAL ELEC (ELEC PH #94)	2,301,061.95	6,221,265.18	844.42	-0.65	
74	RPU	4101	20" CONC ENC	2,301,380.67	6,221,566.39	859.66	-1.95	
75	RPU		18" CONC ENC (ELEC PH #100)	2,301,393.07	6,221,544.74	859.77	-2.61	
76	RPU	499	1" IP ELEC	2,301,408.57	6,221,458.45	857.95	-1.51	
77	RPU		20" CONC ENC (ELEC PH #98)	2,301,423.24	6,221,416.47	857.64	-3.55	
78	RPU	4124	VAULT COVER	2,301,458.11	6,221,430.87	858.37		
79	RPU		19" CONC ENC (ELEC PH #103)	2,301,480.96	6,221,390.76	857.66	-2.79	
80	RPU		20" CONC ENC (ELEC PH #97)	2,301,479.66	6,221,443.03	858.56	-4.54	
81	RCTC		FIBER OPTIC (COND2090)	2,300,320.90	6,221,698.33		-230.00	8668.26′
82	RCTC		FIBER OPTIC (COND2088)	2,300,336.44	6,221,666.99		-2.39	8668.36′
83	RCTC	VLT1503	METROLINK, FIBER OPTIC, ELY EDGE	2,300,346.08	6,221,651.70	868.68		
84	RCTC	VLT1502	METROLINK, FIBER OPTIC, ELY EDGE	2,300,343.34	6,221,650.06	868.48		
85	RCTC	VLT1505	METROLINK, FIBER OPTIC, ELY EDGE	2,300,332.52	6,221,553.18	867.47		
86	RCTC	VLT1504	METROLINK, FIBER OPTIC, ELY EDGE	2,300,330.22	6,221,552.43	867.45		
87	GAS	GLN1001	8" DIA	2,300,121.43	6,221,585.22	867.30	-2.95	
88	GAS	GLN1005	8" DIA	2,300,209.69	6,221,631.24	868.12	-3.30	
89	GAS	GLN1002	8" DIA	2,300,297.35	6,221,680.87	868.34	-3.30	
90	GAS	GLN1006	8" DIA	2,300,383.78	6,221,730.78	868.03	-3.93	
91	GAS	GLN1009	8" DIA	2,300,471.65	6,221,780.70	867.49	-3.64	
92	GAS	GLN1010	8" DIA	2,300,553.21	6,221,826.99	867.01	-3.77	
93	GAS	GLN1013	8" DIA	2,300,652.61	6,221,883.64	866.35	-4.96	
94	GAS	GLN1028	6′ DIA, UNKNOWN OWNER	2,300,744.24	6,221,908.92	865.84	-6.33	
95	GAS	GLN1037	8" DIA	2,300,751.96	6,221,941.05	865.63	-6.46	
96	GAS	GLN1036	8" DIA	2,300,821.21	6,221,980.38	865.41	-6.36	
97	GAS	GLN1014	8" DIA	2,300,910.22	6,222,031.50	865.51	-4.04	
98	GAS	GLN2043	4" DIA	2,300,742.60	6,221,036.58	857.40	-5.35	
99	GAS	GLN1066	4" DIA	2,300,924.61	6,221,140.68	849.02	-6.79	
100	GAS	GLN1068	4" DIA	2,301,019.99	6,221,195.11	845.00	-5.59	
101	GAS	GLN1069	4" DIA	2,301,128.54	6,221,256.79	845.53	-5.81	
102	GAS	PH #93	TOP 2" GAS	2,301,002.72	6,221,426.41	847.87	-3.18	
103	GAS	PH #94	TOP 4" GAS	2,301,176.31	6,221,264.24	847.15	-2.74	
104	GAS	PH #92	TOP 0.5 STL GAS	2,301,433.73	6,221,466.15	858.49	-2.82	
105	SEWER		SEWER MANHOLE	2,300,291.90	6,221,205.95	861.14	-4.83	
106	SEWER		SEWER MANHOLE	2,300,634.62	6,221,405.48	860.42	-8.50	
107	SEWER		SEWER MANHOLE	2,300,707.54	6,221,421.53	858.86	-7.45	
108	SEWER		SEWER MANHOLE	2,300,949.63	6,221,483.48	851.42	-10.75	
109	SEWER		SEWER MANHOLE	2,300,956.58	6,221,483.74	850.92	-9.85	
110	SEWER		SEWER MANHOLE	2,301,106.20	6,221,215.30	845.23	-7.52	
111	SEWER		SEWER MANHOLE	2,301,108.90	6,221,215.60	845.25	-6.97	

POTHOLE LOCATION TABLES
UTILITY PLAN

NO SCALE

U-36

REVISED BY | DATE REVISED
MAJID ALLYAS | MARK PERTILE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	438	2028

Mark Pertile 2-7-11
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp 6/30/11 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.

U-20 POTHOLE DATA TABLE Cont

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
112	SEWER		SEWER MANHOLE	2,300,821.55	6,221,705.65	858.53	-15.77	
113	SEWER		SEWER MANHOLE	2,300,836.01	6,221,749.02	859.25	-15.23	
114	SEWER	9200	-0.8′ AC TO LID	2,301,193.66	6,221,799.34	862.80	-5.20	
115	GAS		8" GAS LINE	2300013.973	6221518.301	866.432	3.00	
116	GAS		8" GAS LINE	2300,016.356	6221,519.956	866.545	-1.9	
117	GAS		8" GAS LINE	2,300,008.91	6221,519.956	866.445	-5.25	

U-21 POTHOLE DATA TABLE

(X)	UTILITY	LOCATION NO.	DESCRIPTION	POTHOLE COORDINATE NORTHING	POTHOLE COORDINATE EASTING	FS ELEV	DEPTH (FT)	REMARKS
1	RPU	2116	18" CONC ENC	2,301,518.14	6,221,922.30	865.39	-2.92	
2	RPU	676	9" CONC ENC	2,301,624.61	6,221,942.05	865.52	-3.00	
3	AT&T	71	PHONE ENCASEMENT (PH #71)	2,301,727.14	6,221,762.78	864.37	-3.89	
4	AT&T	674	0.9 W CONC ENC	2,301,734.17	6,221,751.10	862.46	-1.94	
5	AT&T	72	PHONE 1" FIB OPT (PH #72)	2,301,636.38	6,221,566.73	860.70	-1.63	
6	AT&T	75	PHONE 3" PVC (PH #75)	2,301,796.82	6,221,640.45	861.01	-1.85	
7	ELEC	115	72 RCP (PH #115)	2,301,720.97	6,221,758.80	863.77	-5.03	
8	ELEC	110	72" RCP-RIVEL (PH #110)	2,301,727.45	6,221,747.87	862.50	-3.89	
9	ELEC	107	1" IP-RIV ELEC (PH #107)	2,301,750.97	6,221,662.14	861.69	-1.50	
10	ELEC	109	1" IP-RIV ELEC (PH #109)	2,301,768.07	6,221,671.93	861.20	-1.10	
11	ELEC	114	24" CONC ENC (PH #114)	2,301,762.55	6,221,603.31	861.27	-4.05	
12	ELEC	108	24" CONC ENC (PH #108)	2,301,807.30	6,221,628.74	861.17	-4.02	
13	ELEC	111	3" GAL PIPE (PH #111)	2,302,087.61	6,221,811.12	860.24	-1.67	
14	ELEC	112	1" IP RIV ELC (PH #112)	2,302,077.63	6,221,863.99	860.76	-1.31	
15	MULSMHI		MANHOLE	2,301,602.37	6,221,950.81	865.87	-6.78	UNABLE TO OPEN COVER & IDENTIFY TYPE
16	SEWER		SEWER MANHOLE	2,301,799.13	6,221,608.68	861.10	-7.23	
17	SEWER		SEWER MANHOLE	2,301,957.37	6,222,156.36	863.67	-5.21	
18	SEWER		SEWER MANHOLE	2,301,965.68	6,222,265.68	865.73	-5.63	
19	SEWER		SEWER MANHOLE (TOP OF PUMP OR VALVE)	2,301,978.41	6,222,214.26			
20	SEWER		SEWER MANHOLE	2,301,993.68	6,222,244.17	862.85	-3.65	

POTHOLE LOCATION TABLES UTILITY PLAN

NO SCALE

U-37

REVISED BY | DATE REVISED
MAJID ALLYAS | MARK PERTILE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION 02-07-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	439	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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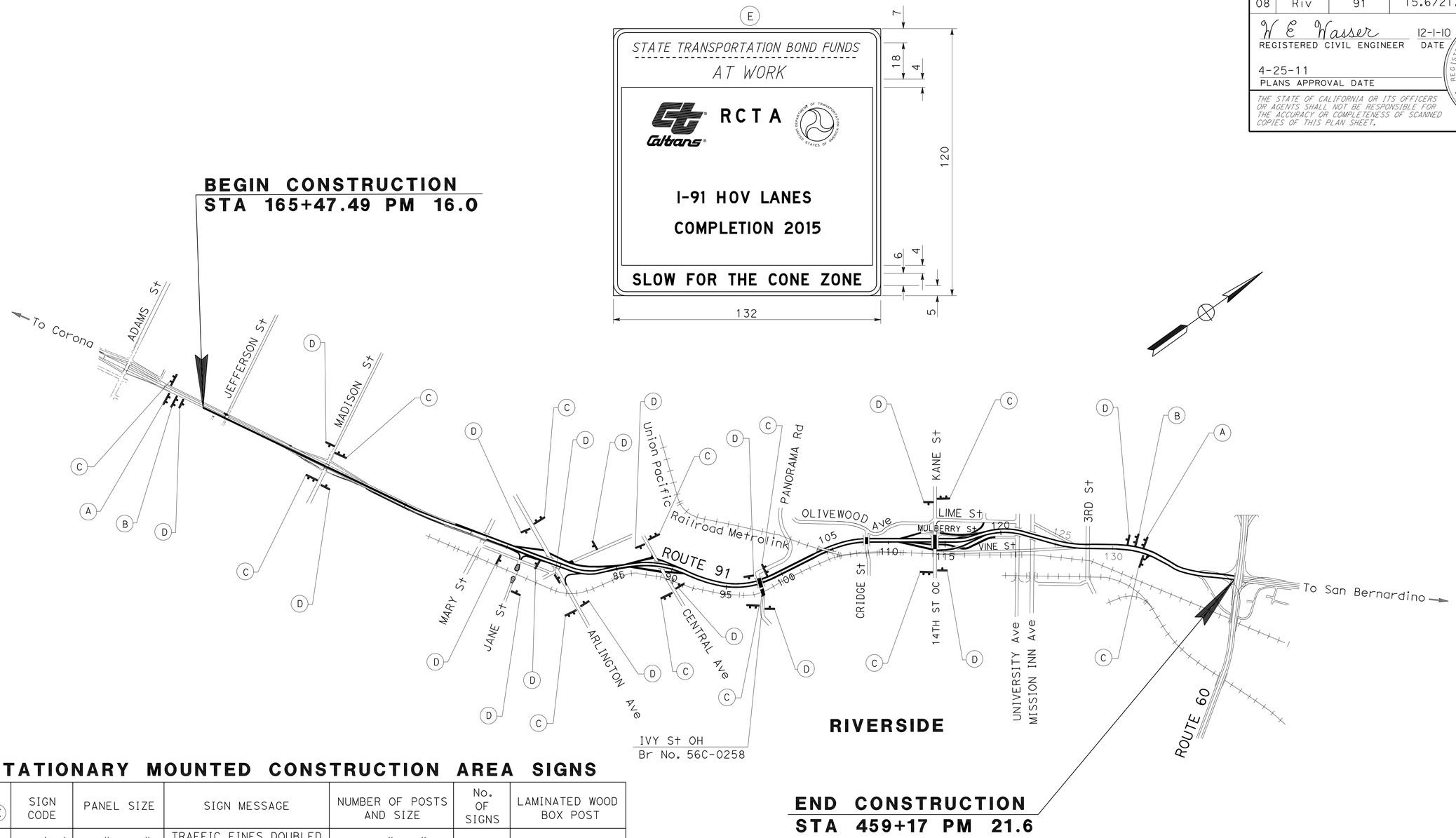

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	No. OF SIGNS	LAMINATED WOOD BOX POST
A	C40(CA)	144" x 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONE	2- 6" x 8"	2	
B	G20-1	90" x 48"	ROAD CONSTRUCTION NEXT 6 MILES	2- 6" x 6"	2	
C	G20-2	48" x 24"	END ROAD WORK	2- 4" x 4"	12	
D	W20-1	48" x 48"	ROAD WORK AHEAD	1- 6" x 6"	17	
E	1-B	132" x 120"			2	4-25' LONG

NOTE:

1. LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ON THE PLAN ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: PATTI BARTOLI
REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 18:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	440	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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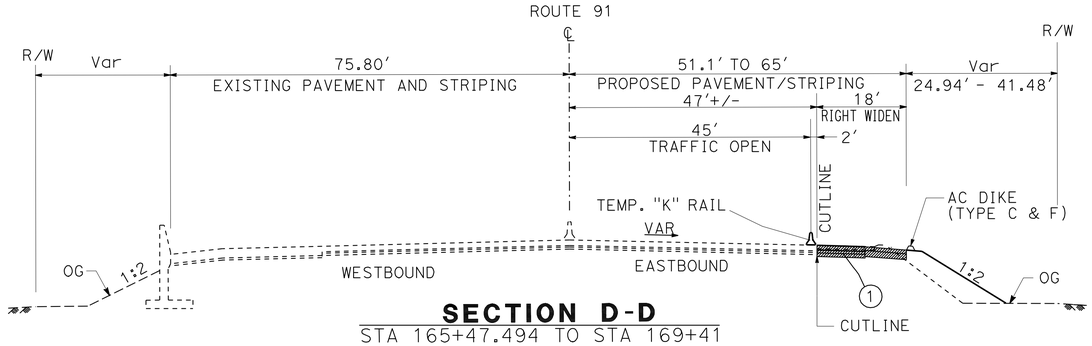
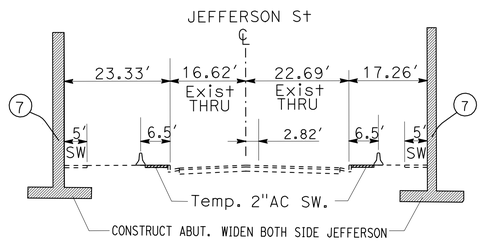
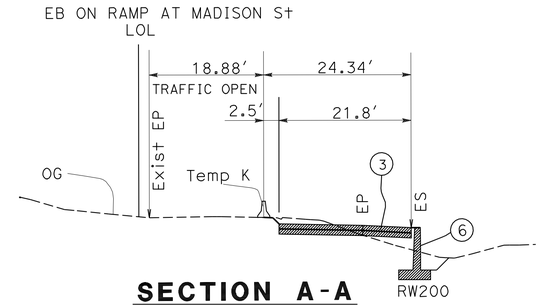
LEGEND:
- ROAD WORK & TEMPORARY PAVEMENT
- STRUCTURE WORK
- ROAD CLOSE
- DIRECTION OF TRAFFIC



SECTION D-D
STA 165+47.494 TO STA 169+41



SECTION C-C



SECTION A-A

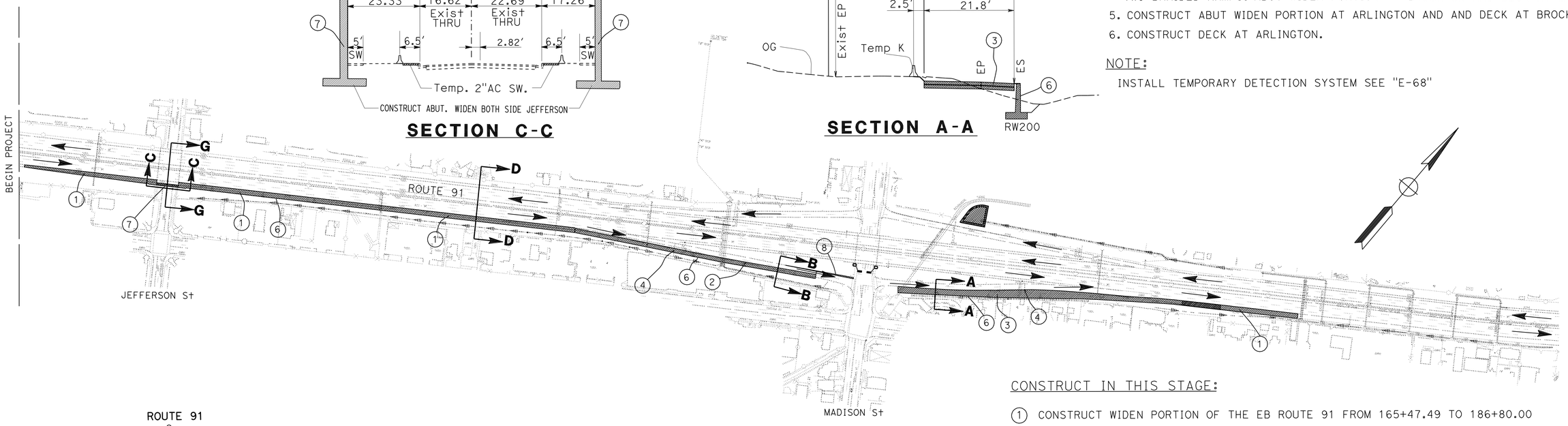
GENERAL NOTE FOR BRIDGE SEQUENCE CONSTRUCTION:

STAGE 1 CONSTRUCTION:

1. CONSTRUCT ABUT. WIDEN PORTION AT CENTRAL Ave
2. CONSTRUCT ABUT. WIDEN PORTION AT JEFFERSON, CONSTRUCT DECK AT CENTRAL AND SHOOFLY R.R. AT PACHAPPA.
3. CONSTRUCT ABUT. WIDEN PORTION AT MADISON AND CONSTRUCT DECK AT JEFFERSON
4. REMOVE EASTSIDE HALF OF 14 St AND RECONSTRUCT. CONSTRUCT TWO BRAIDED RAMPS. ABUT WIDEN PORTION AT BROCKTON AND DECK AT MADISON.
5. CONSTRUCT ABUT WIDEN PORTION AT ARLINGTON AND AND DECK AT BROCKTON.
6. CONSTRUCT DECK AT ARLINGTON.

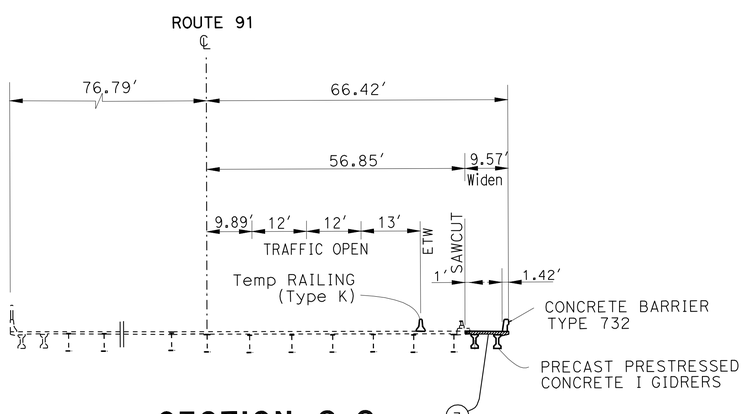
NOTE:

INSTALL TEMPORARY DETECTION SYSTEM SEE "E-68"

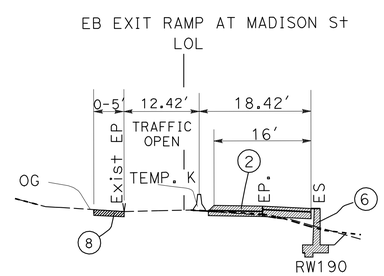


CONSTRUCT IN THIS STAGE:

1. CONSTRUCT WIDEN PORTION OF THE EB ROUTE 91 FROM 165+47.49 TO 186+80.00 AND FROM 210+30.00 TO 215+00.00
2. RECONSTRUCT WIDEN PORTION OF THE EB MADISON OFF RAMP
3. RECONSTRUCT WIDEN PORTION OF THE EB MADISON ON RAMP
4. CONSTRUCT PORTION OF DRAINAGE SYSTEM 5 10
6. CONSTRUCT RETAINING WALL NUMBER 172, 190 and 200
7. CONSTRUCT THE WIDEN PORTION OF THE BRIDGE AT JEFFERSON.
8. CONSTRUCT TEMPORARY PAVEMENT WITH 4" AC.



SECTION G-G



SECTION B-B

STAGE 1 PHASE 1
STAGE CONSTRUCTION

NO SCALE

SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
MARK PERTILE	KENT NGUYEN	MARK PERTILE		

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:02

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	441	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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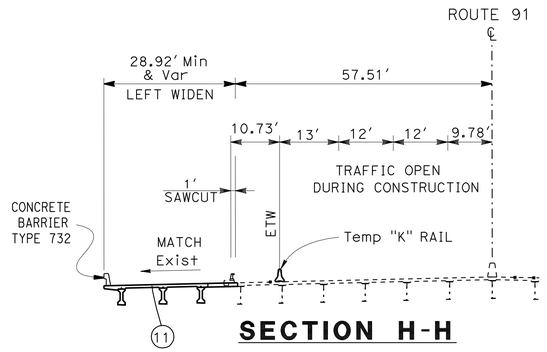
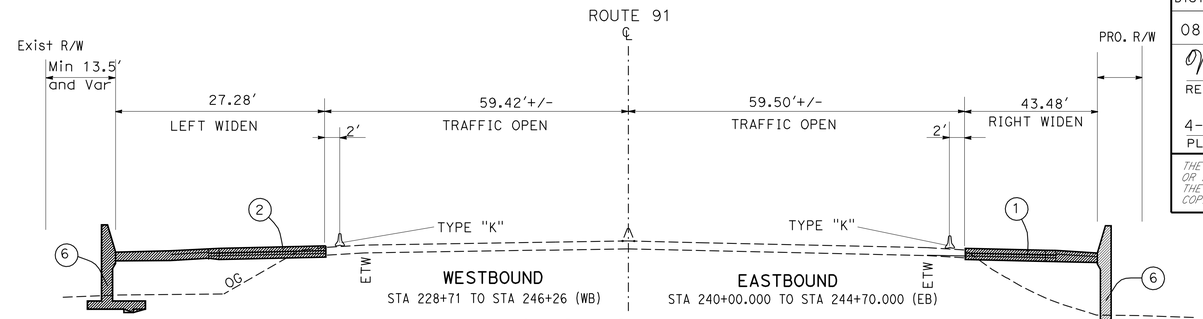
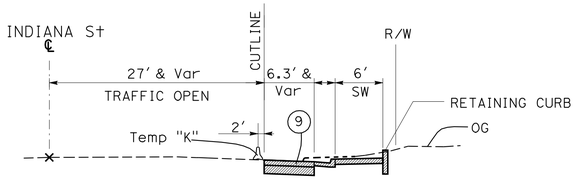


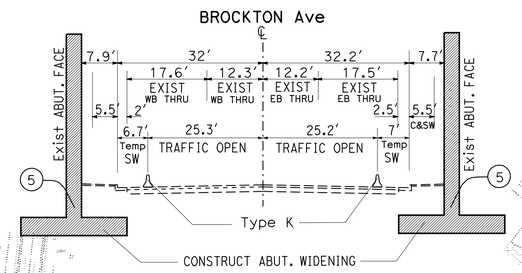
SECTION H-H



SECTION E-E
(TYPICAL)



SECTION D-D



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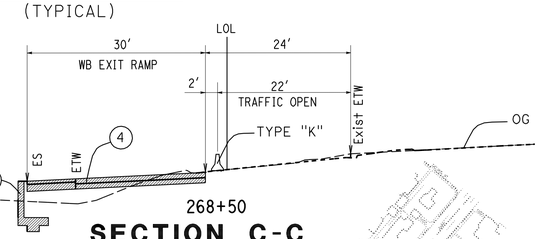
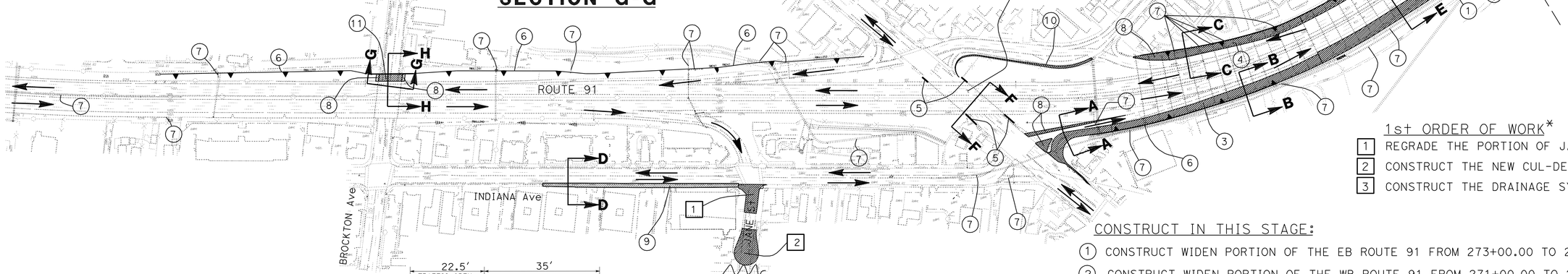
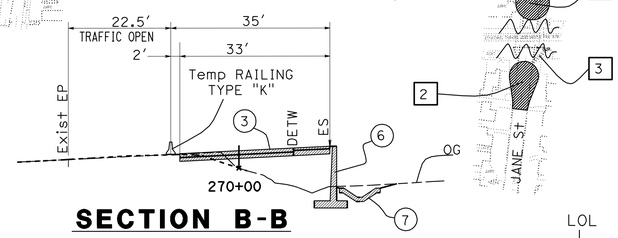


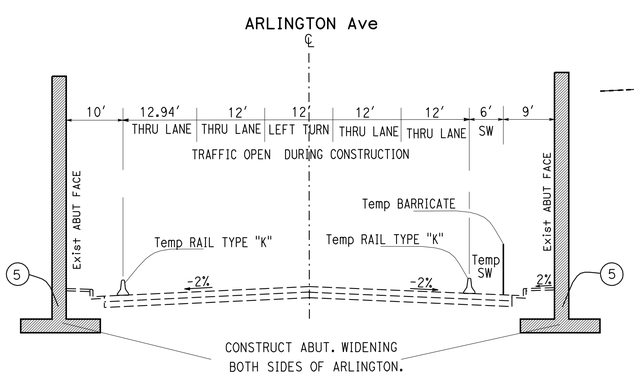
SECTION C-C

SEE SHEET "SC-19" FOR MORE DETAIL

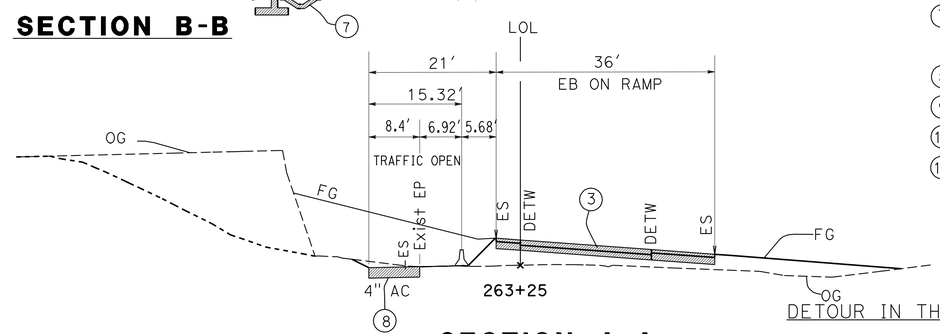




SECTION B-B



SECTION F-F



SECTION A-A

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

1st ORDER OF WORK*

1. REGRADE THE PORTION OF JANE St.
2. CONSTRUCT THE NEW CUL-DE-SAC
3. CONSTRUCT THE DRAINAGE SYSTEM (50)

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT WIDEN PORTION OF THE EB ROUTE 91 FROM 273+00.00 TO 280+60.00
2. CONSTRUCT WIDEN PORTION OF THE WB ROUTE 91 FROM 271+00.00 TO 278+60.00
3. RECONSTRUCT THE EB ARLINGTON ON RAMP PORTION.
4. RECONSTRUCT THE WB ARLINGTON OFF RAMP PORTION.
5. CONSTRUCT WIDEN PORTION ABUT. OF THE ARLINGTON BRIDGE.
6. CONSTRUCT RETAINING WALL NUMBER : 231, 240, 241, 247, 253, 254, 261, 266, 267 AND 280.
7. CONSTRUCT DRAINAGE SYSTEM NUMBER: (18) (20) (22) (25) (28) (33) (34) (42) (46) (53)
8. REMOVE AND CONSTRUCT TEMPORARY PAVEMENT 4" AC. SEE SHEET SCD-1
9. CONSTRUCT WIDEN PORTION INDIANA Ave
10. CONSTRUCT WIDEN PORTION OF RIVERSIDE Ave
11. CONSTRUCT WIDEN PORTION OF THE BROCKTON BRIDGE.

DETOUR IN THIS STAGE:

JANE St WILL BE CLOSE AT (RAIL CROSSING)

STAGE 1 PHASE 1
STAGE CONSTRUCTION
NO SCALE

SC-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	442	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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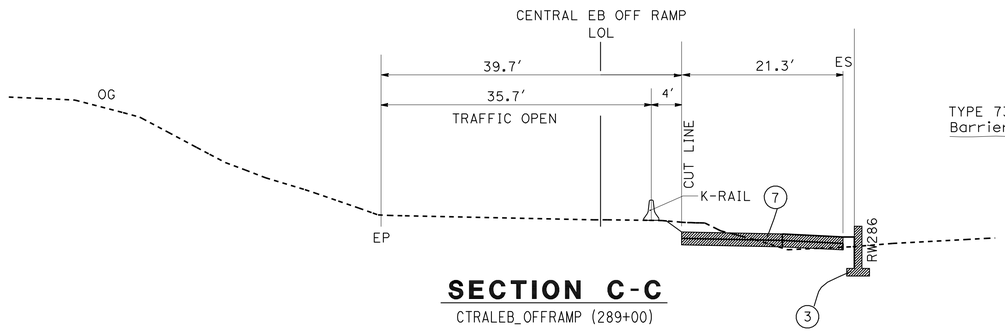
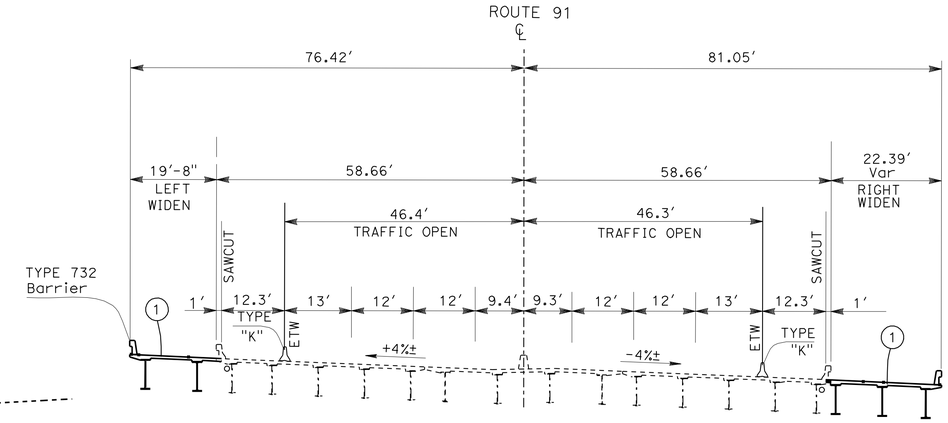
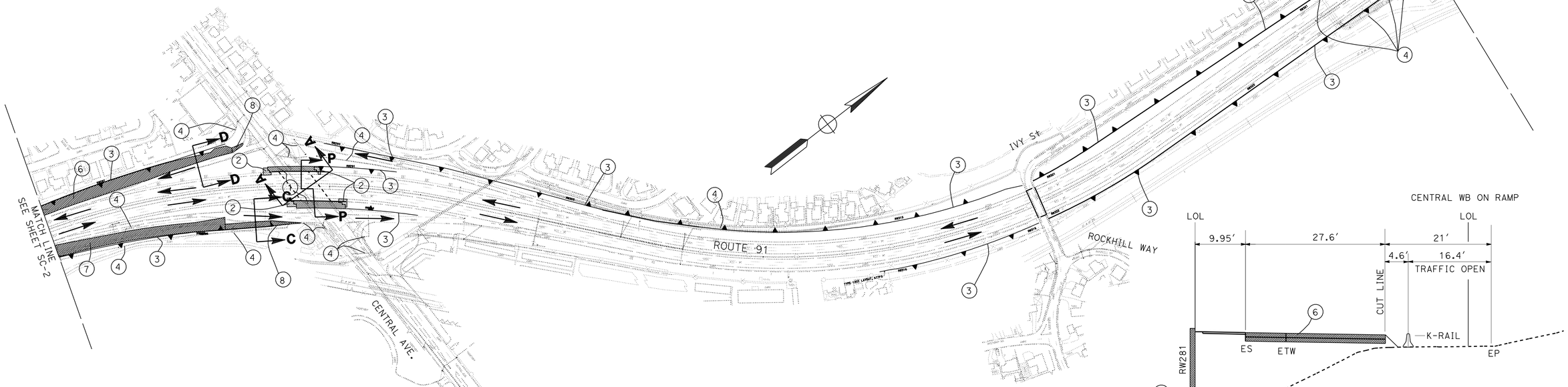
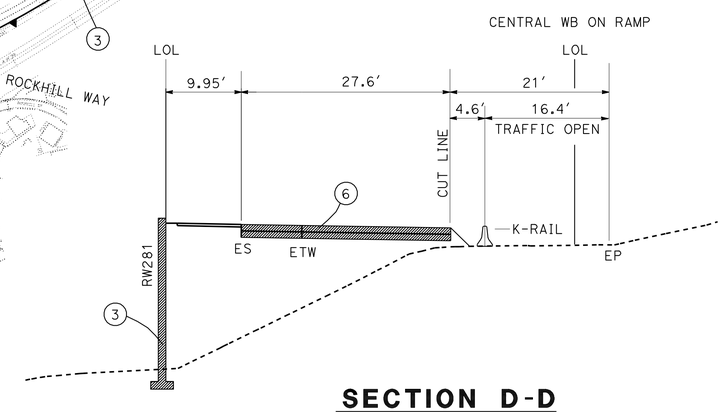


SECTION C-C
CTRALEB_OFFRAMP (289+00)

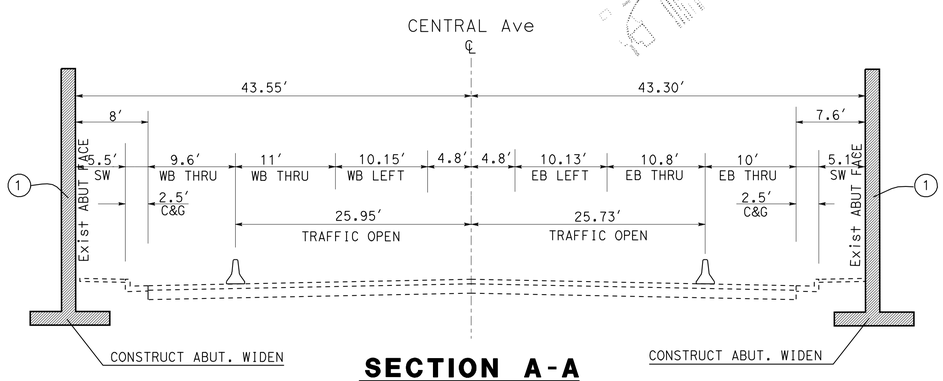


SECTION P-P





SECTION D-D
CTRALWB_ONRAMP (287+50)



SECTION A-A

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT WIDEN PORTION OF THE BRIDGE AT CENTRAL Ave
2. CONSTRUCT THE WIDEN PORTION OF THE APPROACH SLAB
3. CONSTRUCT THE RETAINING WALL NUMBERS: 286, 291, 293, 294, 303, 315, 316, 321, and 322
4. CONSTRUCT PORTION OF DRAINAGE SYSTEM 57 58 59 61 63 79 80 81 82
6. CONTRUCT PORTION OF WB ON RAMP AT CENTRAL
7. CONTRUCT PORTION OF EB OFF RAMP AT CENTRAL
8. CONTRUCT TEMPORARY PAVEMENT 4" AC. SEE SHEET SCD-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 1 PHASE 1
STAGE CONSTRUCTION
NO SCALE

SC-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	443	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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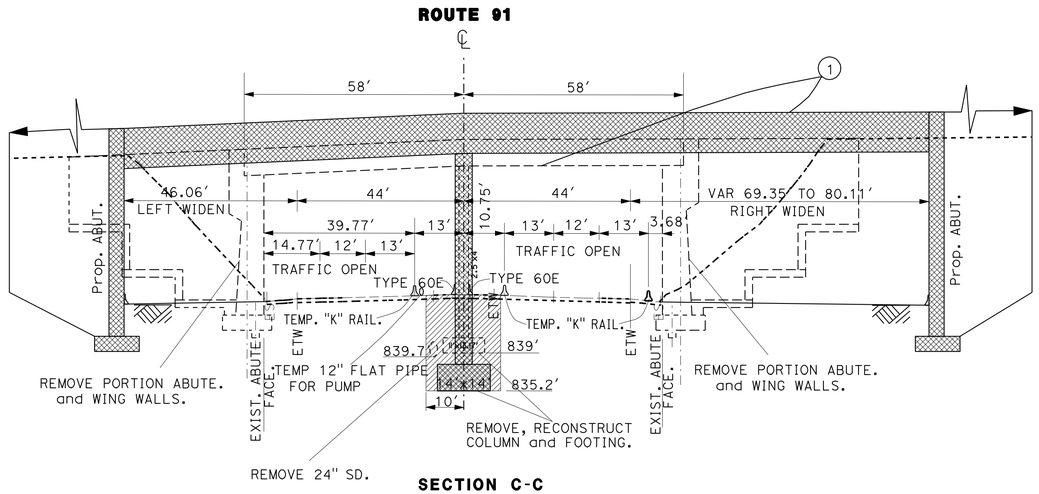
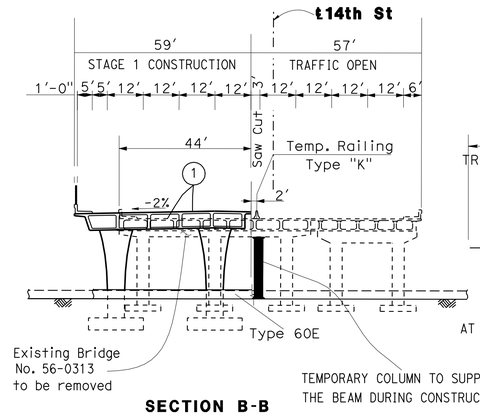
NOTE:

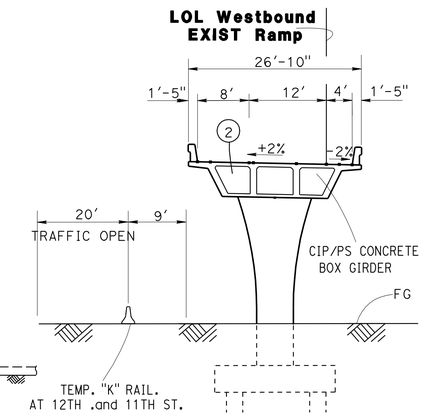
INSTALL TEMPORARY FIBER OPTIC CONNECTION FOR METROLINK CABINET SEE "E-69"



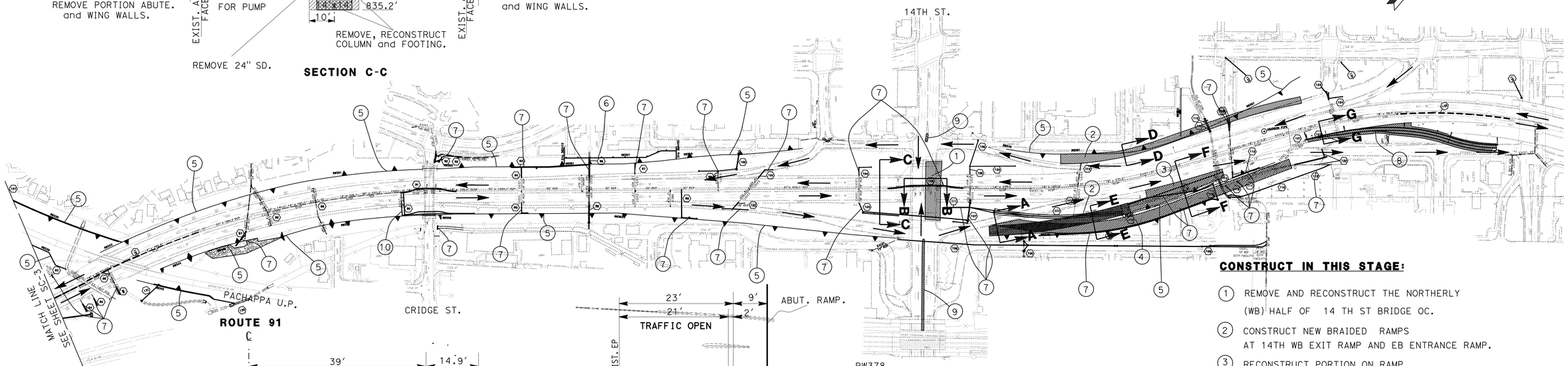
SECTION C-C

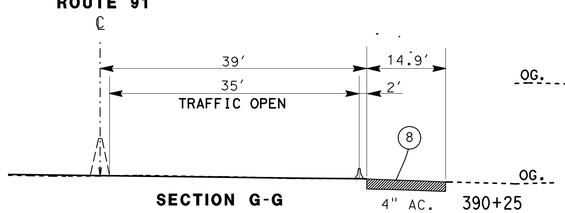


SECTION B-B

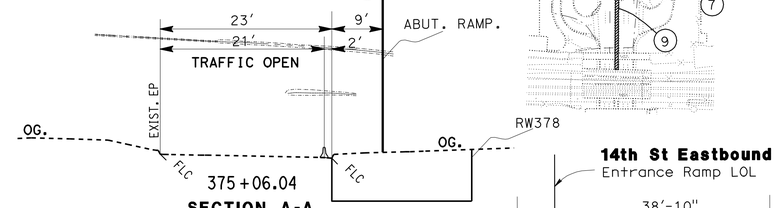


SECTION D-D

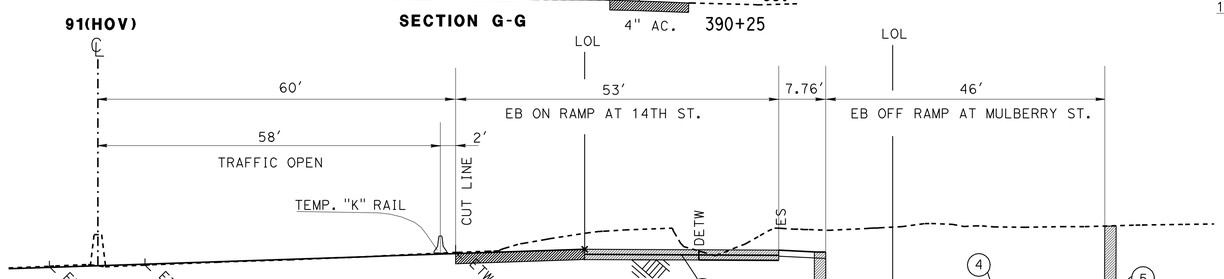




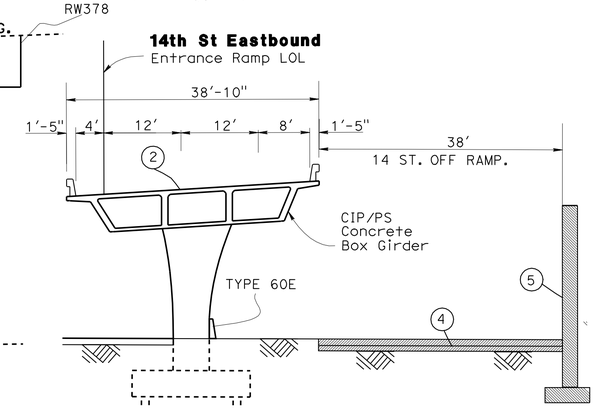
SECTION G-G



SECTION A-A



SECTION F-F



SECTION E-E

CONSTRUCT IN THIS STAGE:

1. REMOVE AND RECONSTRUCT THE NORTHERLY (WB) HALF OF 14 TH ST BRIDGE OC.
2. CONSTRUCT NEW BRAIDED RAMPS AT 14TH WB EXIT RAMP AND EB ENTRANCE RAMP.
3. RECONSTRUCT PORTION ON RAMP.
4. RECONSTRUCT PORTION OFF RAMP.
5. CONSTRUCT RETAINING WALL NUMBER: 335,339, 342, 343, 344, 346, 348,351, 355, 356, 362, 365, 378, 379, 381, 382, AND 387.
6. CONSTRUCT SOUND WALL NUMBER: 357
7. CONSTRUCT PORTION OF THE DRAINAGE SYSTEM 87 93 94 95 96 97 99 100 103 104 105 106 107 111 114 119 123 124
8. CONSTRUCT TEMPORARY PAVEMENT FOR EB OFF RAMP WITH 4" AC. SEE SHEET SCD-2
9. REMOVE MEDIAN CURB ISLAND AND OVERLAY TEMPORARY PAVEMENT WITH 4" AC.
10. CONSTRUCT PORTION OF THE DRAINAGE SYSTEM 90 USE RAPID SET CONCRETE.
11. INSTALL TEMPORARY FIBER OPTIC CONNECTION FOR METROLINK. SEE E-69 and E-70

STAGE 1 PHASE 1
STAGE CONSTRUCTION
NO SCALE

SC-4

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

REVISED BY | DATE REVISED
KENT NGUYEN | MARK PERTILE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	444	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
CIVIL
STATE OF CALIFORNIA

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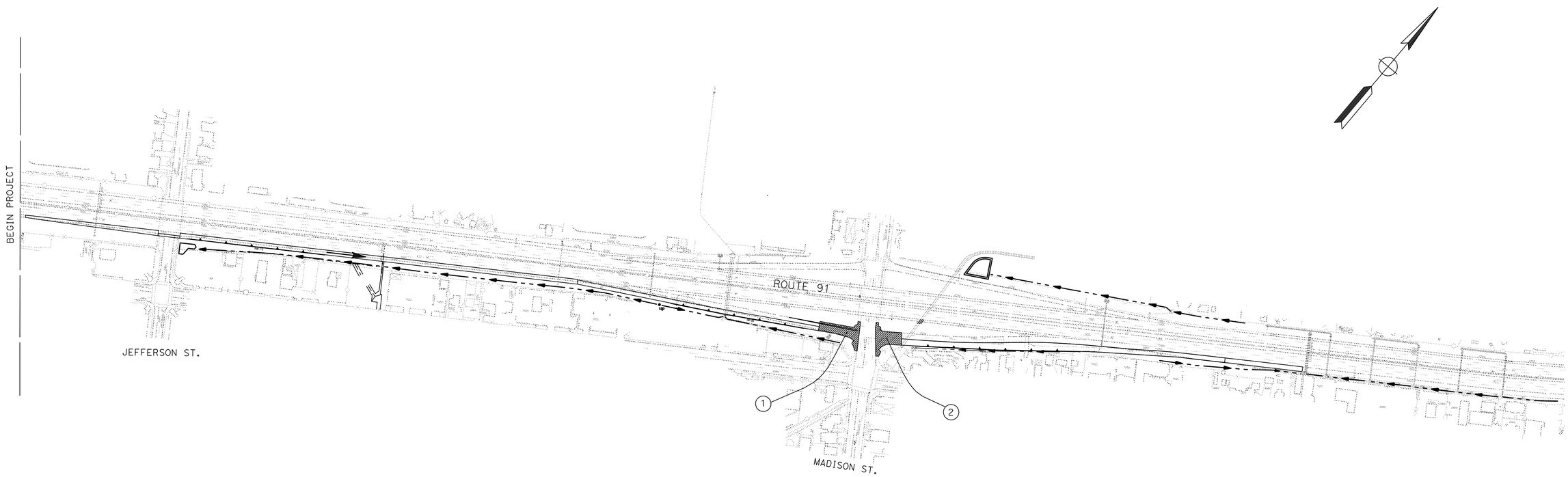

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE REMAIN PORTIONS OF THE OFF RAMP USING RAPID SET CONCRETE BY TEN DAY CLOSURE.
2. CONSTRUCT THE REMAIN PORTIONS OF THE ON RAMP BY TEN DAY CLOSURE.

STAGE 1 PHASE 1
STAGE CONSTRUCTION
NO SCALE

SC-5

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	445	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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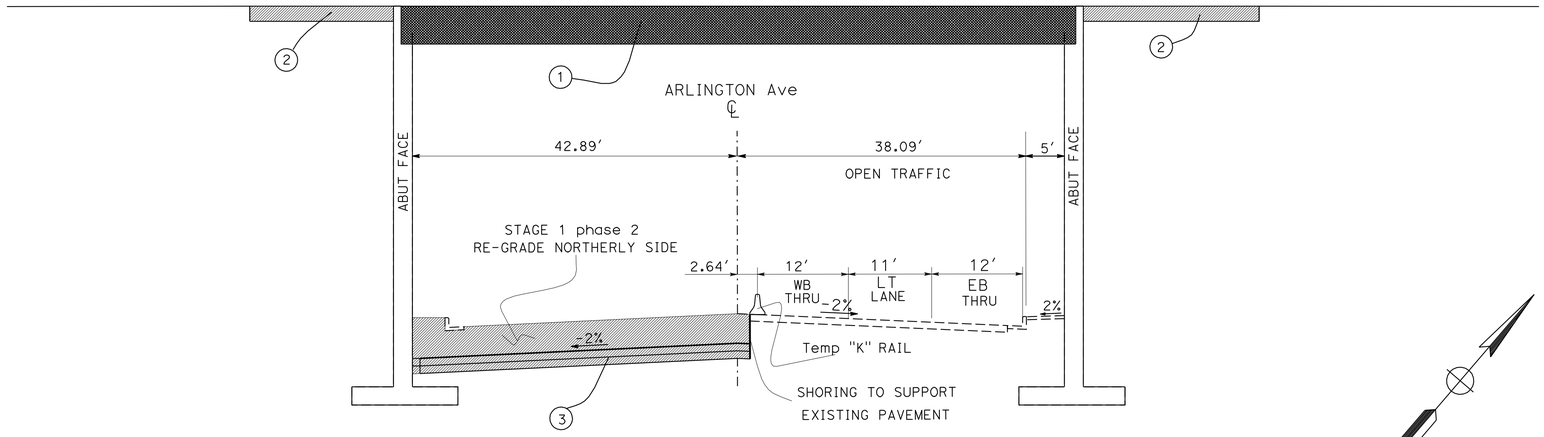
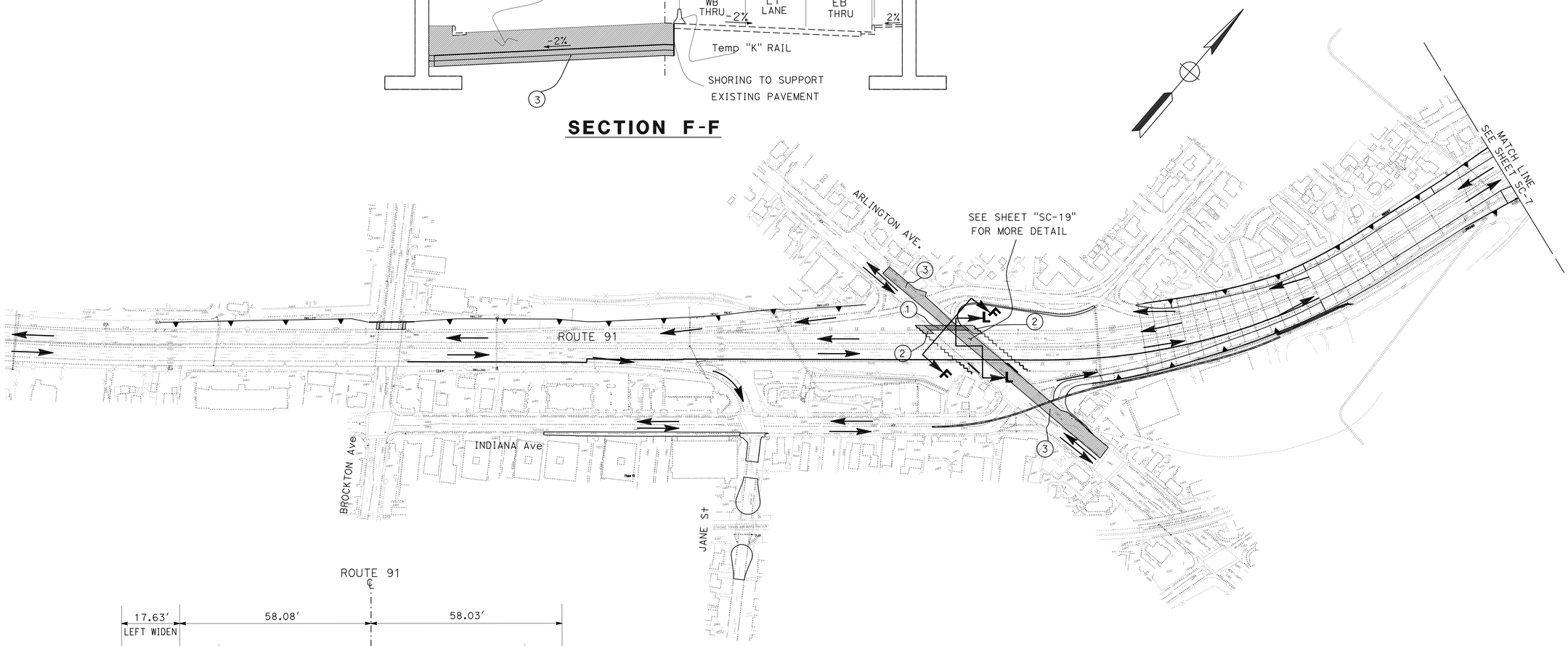
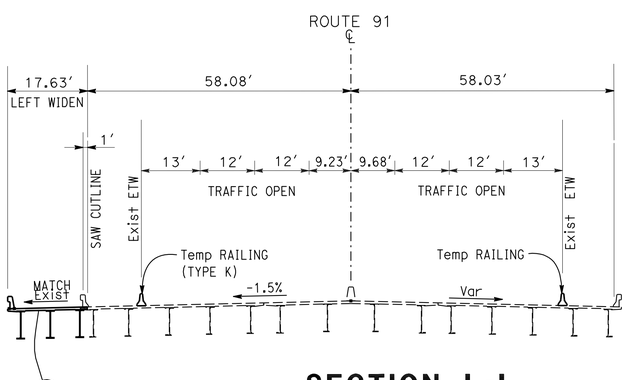


SECTION F-F





SECTION L-L

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT WIDEN PORTION OF THE ARLINGTON BRIDGE.
2. CONSTRUCT WIDEN PORTION OF THE APPROACH SLAB TYPE N (9S)
3. REGRADE THE NORTHERLY HALF OF ARLINGTON Ave FROM STA. 30+10.00 TO STA. 40+60.00

STAGE 1 PHASE 2
STAGE CONSTRUCTION
NO SCALE

SC-6

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

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CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	446	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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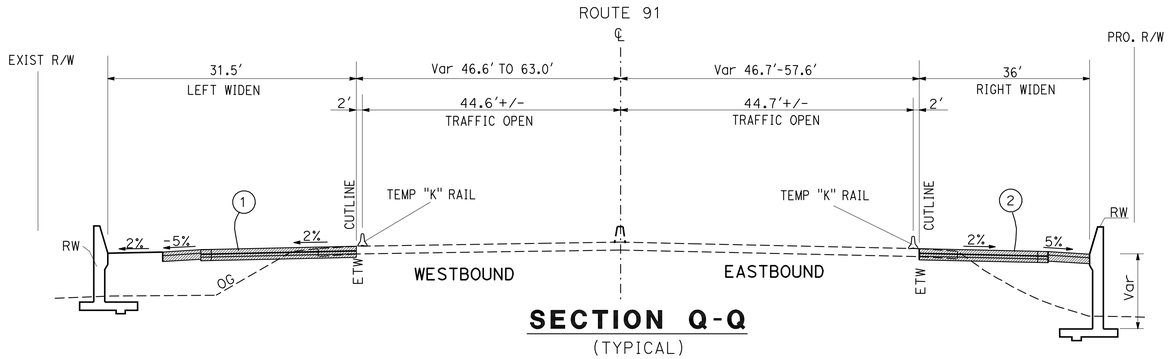
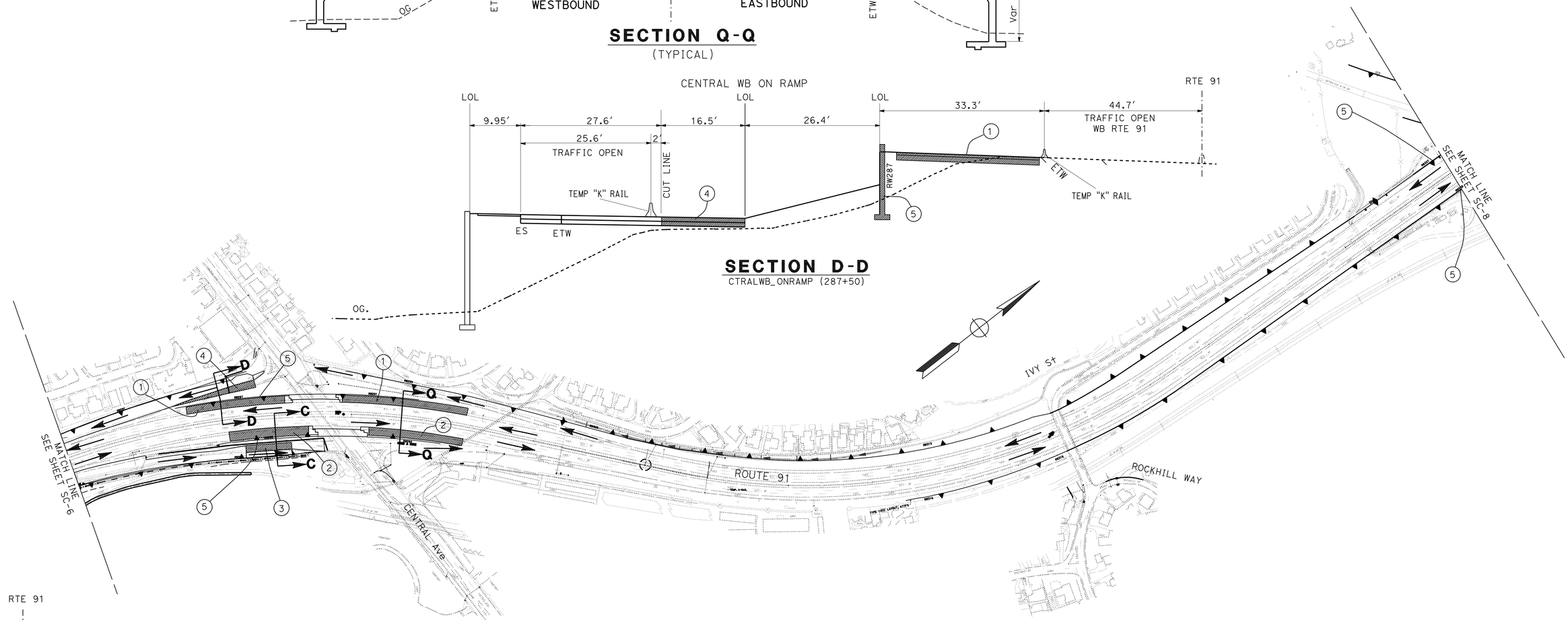
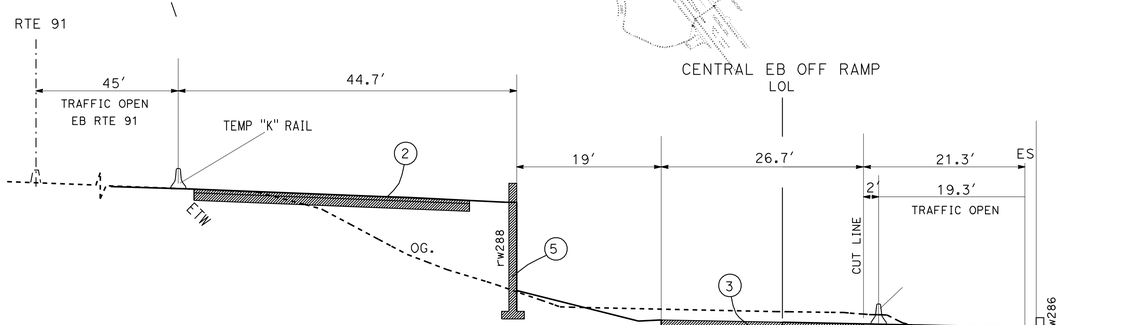


SECTION Q-Q
(TYPICAL)

SECTION D-D
CTRALWB_ONRAMP (287+50)





SECTION C-C
CTRALEB_OFFRAMP (289+00)

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE WIDENING PORTIONS OF THE WB ROUTE 91 FROM STA.285+90.00 TO STA.289+90.00 AND FROM STA. 292+00.00 TO STA.296+85.00
2. CONSTRUCT THE WIDENING PORTIONS OF THE EB ROUTE 91 FROM STA. 287+40.00 TO STA.290+50.00 AND FROM STA.293+00.00 TO STA. 296+85.00
3. CONSTRUCT REMAIN PORTION OF EB OFF RAMP AT CENTRAL
4. CONSTRUCT REMAIN PORTION OF WB ON RAMP AT CENTRAL
5. CONTRUCT THE RETAINING WALL NUMBER, 288, 337, and 338.

STAGE 1 PHASE 2
STAGE CONSTRUCTION
NO SCALE

SC-7

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	447	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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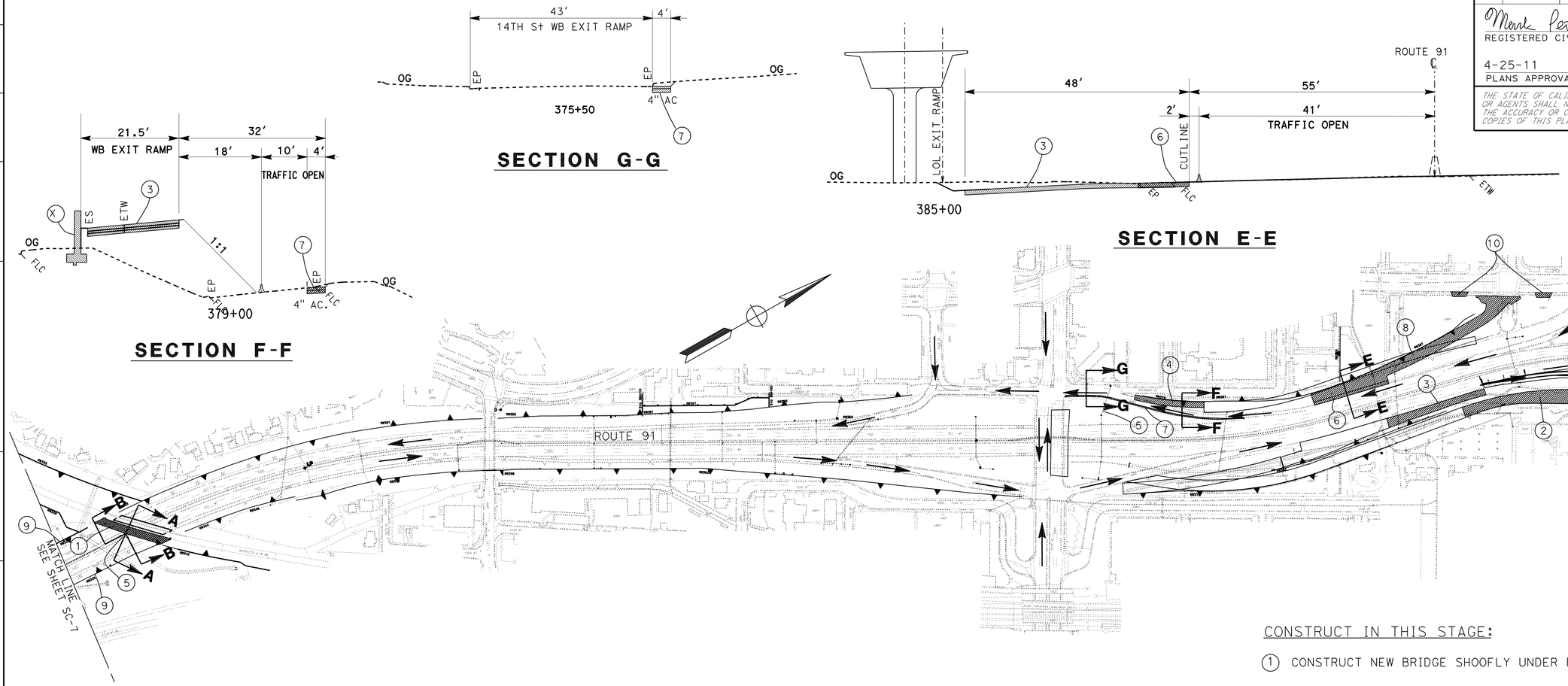

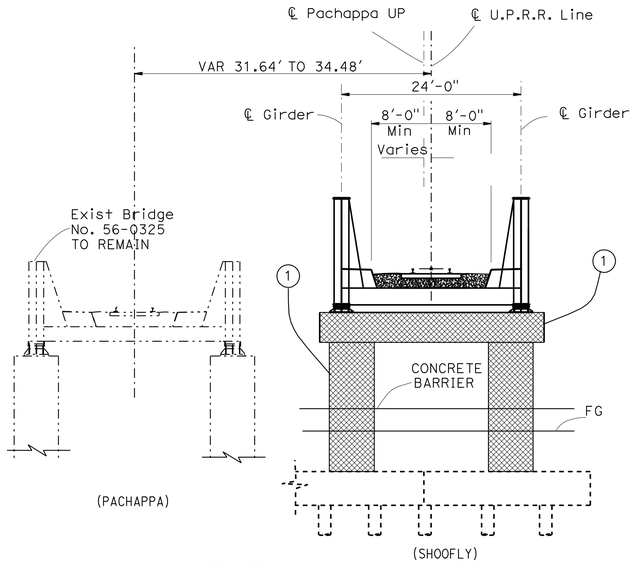

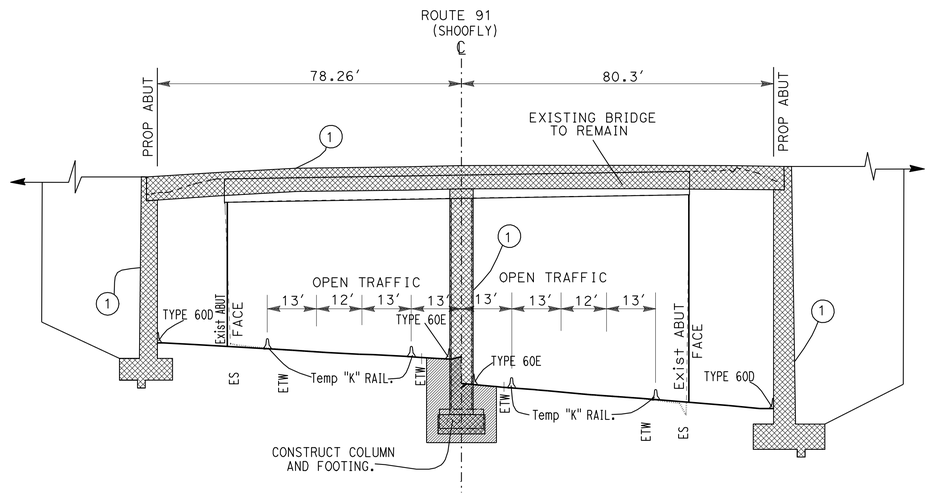

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT NEW BRIDGE SHOOFLY UNDER PASS AT PACHAPPA.
2. RECONSTRUCT PORTION THE 14TH St EB EXIT RAMP.
3. RECONSTRUCT THE 14th St EB ENTRANCE RAMP.
4. RECONSTRUCT THE 14th St. WB EXIT RAMP.
5. CONSTRUCT PORTION OF DRAINAGE SYSTEM 19 37
6. CONSTRUCT WIDEN PORTION OF WB ROUTE 91.
7. CONSTRUCT TEMPORARY PAVEMENT AT 14TH St ENTRANCE RAMP WITH 4"AC. SEE SHEET SCD-1
8. CONSTRUCT 10th ST. WB ENTRANCE RAMP
9. CONSTRUCT RETAINING WALL NUMBER 337 AND 338
10. CONSTRUCT TEMPORARY DRIVEWAY FOR PARKING SEE SHEET SCD-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 1 PHASE 2
STAGE CONSTRUCTION
NO SCALE

SC-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

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KENT NGUYEN | MARK PERTILE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MARK PERTILE

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	448	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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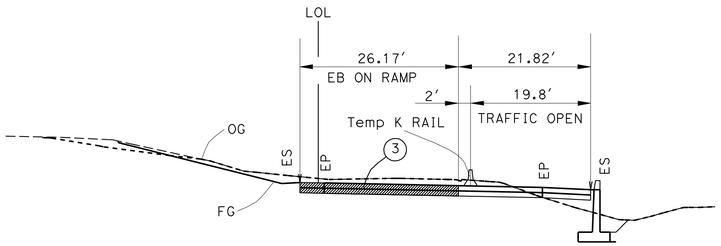
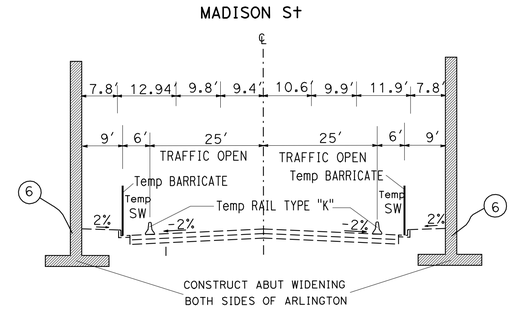


SECTION A-A



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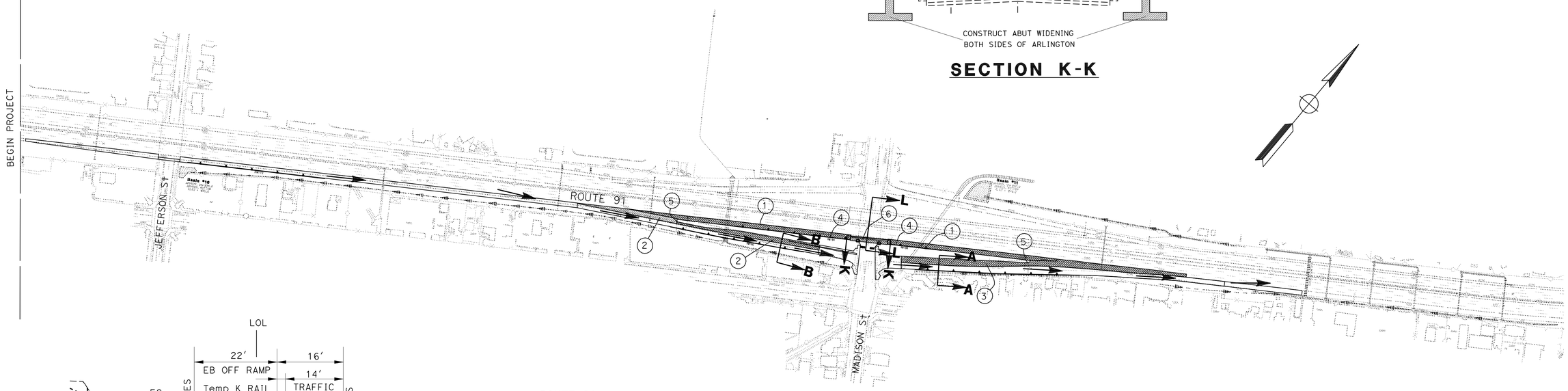
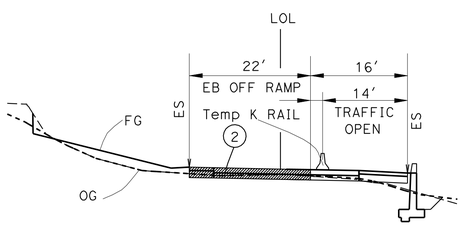
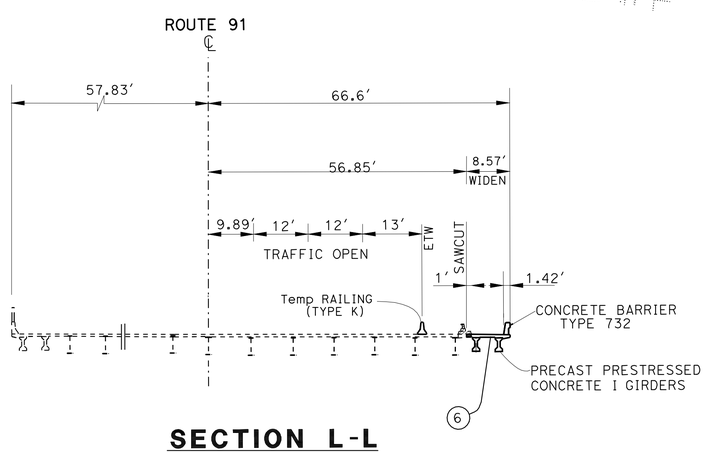




SECTION B-B



SECTION L-L

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE WIDENING PORTION OF THE EB ROUTE 91 FROM STA.190+60.00 TO STA.205+00.00
2. RECONSTRUCT PORTION OF THE EB MADISON EXIT RAMP.
3. RECONSTRUCT PORTION OF THE EB MADISON ENTRANCE RAMP.
4. CONSTRUCT THE RETAINING WALL NUMBER: 194 AND 198.
5. CONTRUCT THE PORTION OF THE DRAINAGE SYSTEM 5 10
6. CONSTRUCT THE WIDEN PORTION OF THE BRIDGE AT MADISON Ave.

STAGE 1 PHASE 2
STAGE CONSTRUCTION
NO SCALE

SC-9

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:03

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	449	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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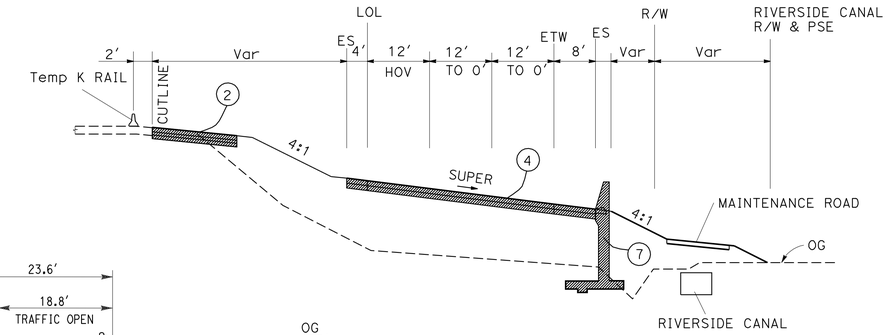
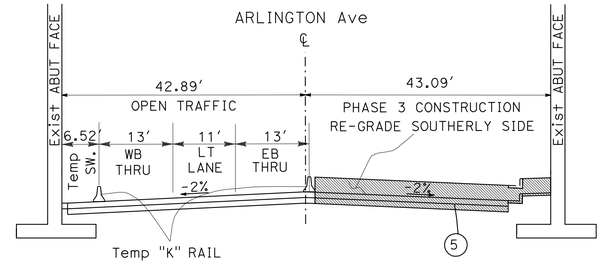


SECTION J-J



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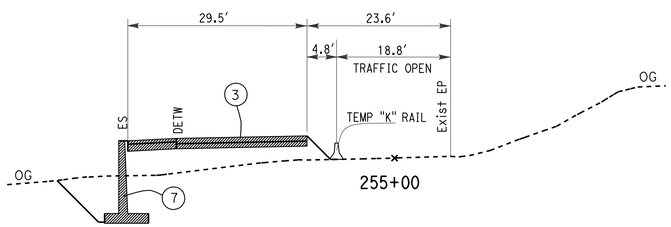
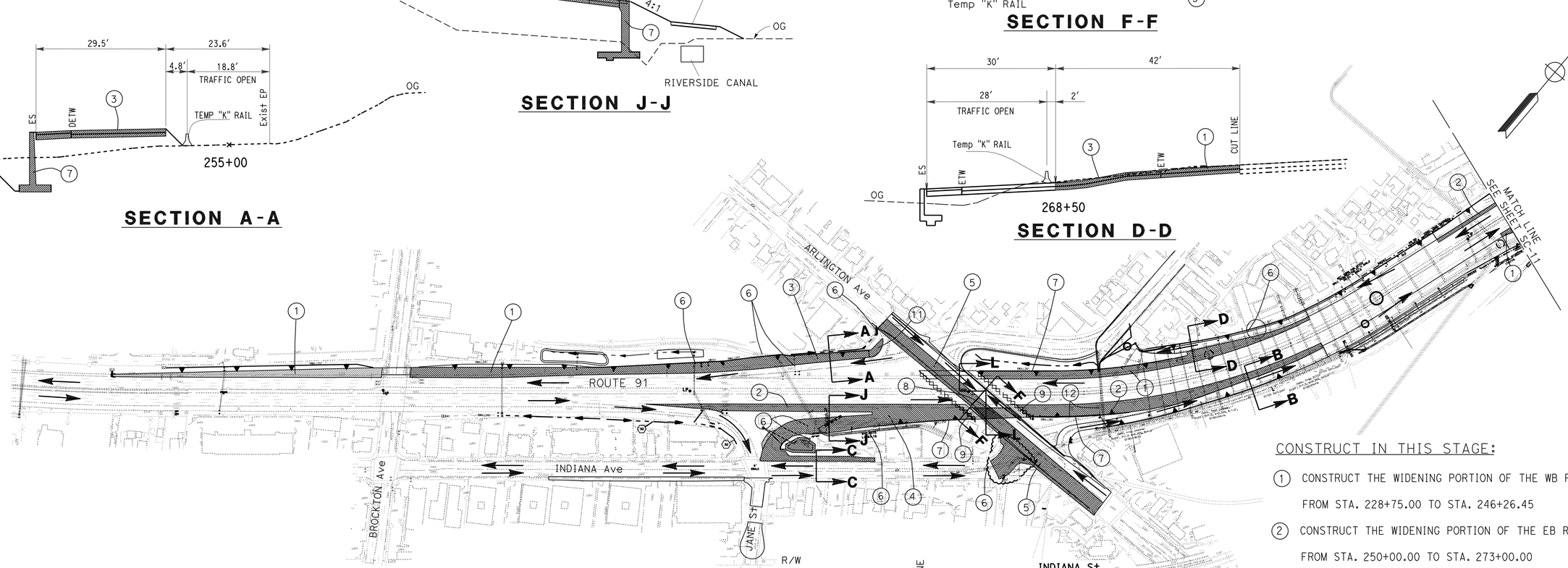
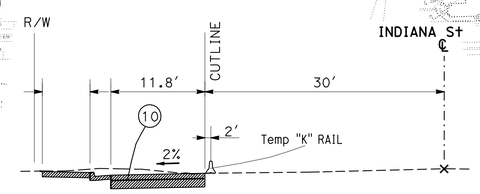


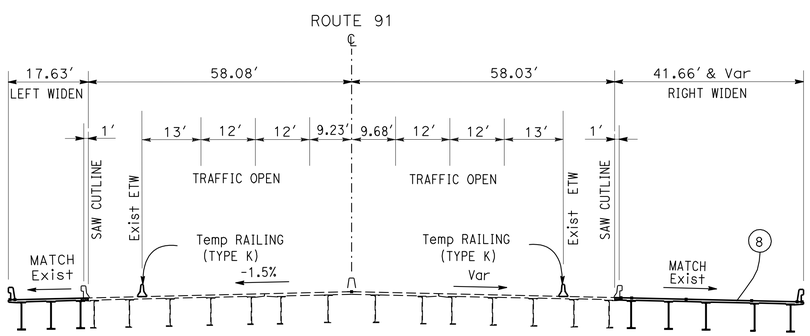
SECTION A-A

SECTION D-D





SECTION C-C



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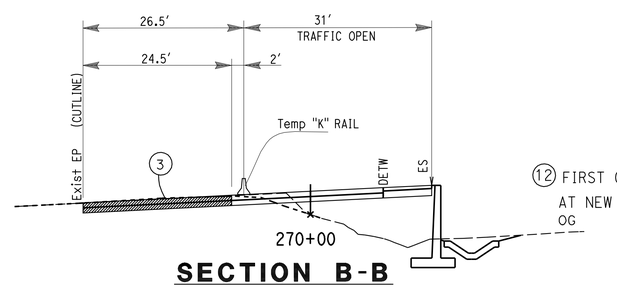

SECTION B-B

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE WIDENING PORTION OF THE WB ROUTE 91 FROM STA. 228+75.00 TO STA. 246+26.45
2. CONSTRUCT THE WIDENING PORTION OF THE EB ROUTE 91 FROM STA. 250+00.00 TO STA. 273+00.00
3. RECONTRUCT PORTION OF THE WB ARLINGTON ENTRANCE RAMP.
4. CONSTRUCT NEW EB ARLINGTON HOOK ENTRANCE RAMP.
5. RE-GRADE THE SOUTHERLY HALF OF ARLINGTON Ave. FROM STA. 30+10.00 TO STA. 40+60.00 RE-GRADE THE PORTION OF THE INDIANA AVENUE
6. CONSTRUCT PORTION OF DRAINAGE SYSTEM : 25 31 33 34 37 38 46
7. CONSTRUCT RETAINNING WALL NUMBER: 254, 261, AND 262.
8. CONSTRUCT THE WIDEN PORTION OF THE RIGHT ARLINGTON BRIDGE.
9. CONSTRUCT APROACH SLAB TYPE N (9S)
10. CONSTRUCT WIDEN PORTION OF THE INDIANA Ave.
11. CONSTRUCT TEMPORARY PAVEMENT WB ENTRANCE RAMP AT ARLINGTON Ave SEE SHEET SCD-1
12. FIRST CONSTRUCT THE WIDENING PORTION OF DRAINAGE SYSTEM 39, SECOND SHIFT TRAFFIC OUTSIDE AT NEW WIDEN THEN CONSTRUCT THE REMAIN PORTION OF DRAINAGE SYSTEM 39 USE RAPID SET CONCRETE

STAGE 1 PHASE 3
STAGE CONSTRUCTION

NO SCALE

SC-10

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

REVISED BY	DATE REVISED
KENT NGUYEN	MARK PERTILE
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	MARK PERTILE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	450	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
CIVIL
STATE OF CALIFORNIA

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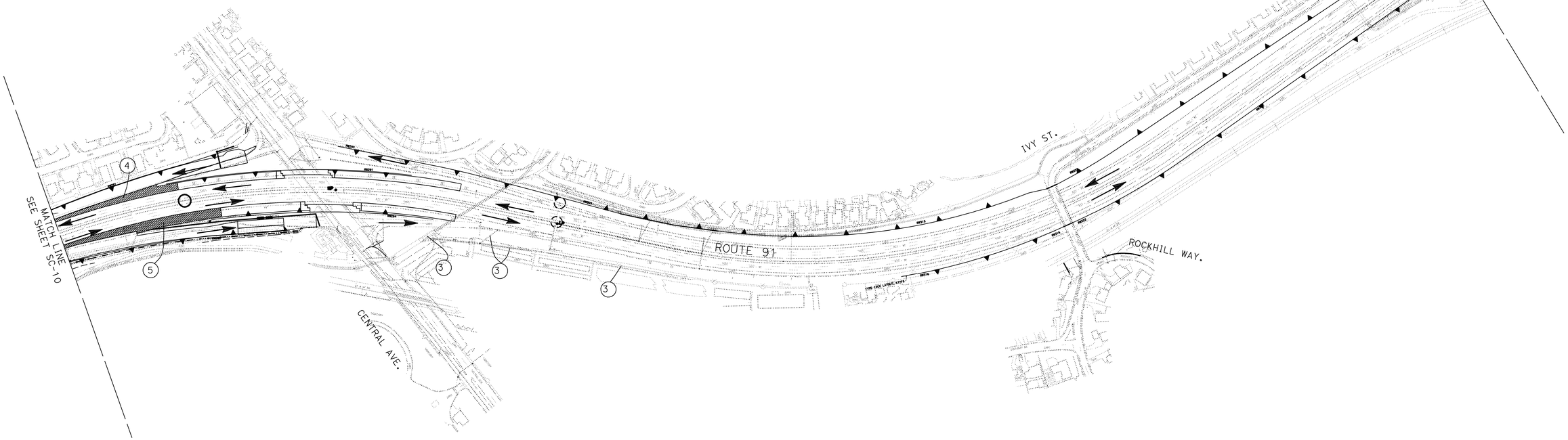
CONSTRUCT IN THIS STAGE:

1. INSTALL BY OTHERS THE TEMPORARY RAILROAD TRACK AT SHOOFLY UP BRIDGE.

   SEE RAIL ROAD TRAFFIC HANDLING PLANS, SEE SHEET C-109 TO C-122

3. CONSTRUCT THE DRAINAGE SYSTEM 103 104 114 115
4. CONTRUCTION THE WIDENING PORTION OF WB ROUTE 91 FROM STA. 278+50.00 TO STA. 285+90.00
5. CONTRUCTION THE WIDENING PORTION OF EB ROUTE 91 FROM STA. 280+50.00 TO STA. 287+45.00



THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 1 PHASE 3
STAGE CONSTRUCTION
NO SCALE
SC-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	451	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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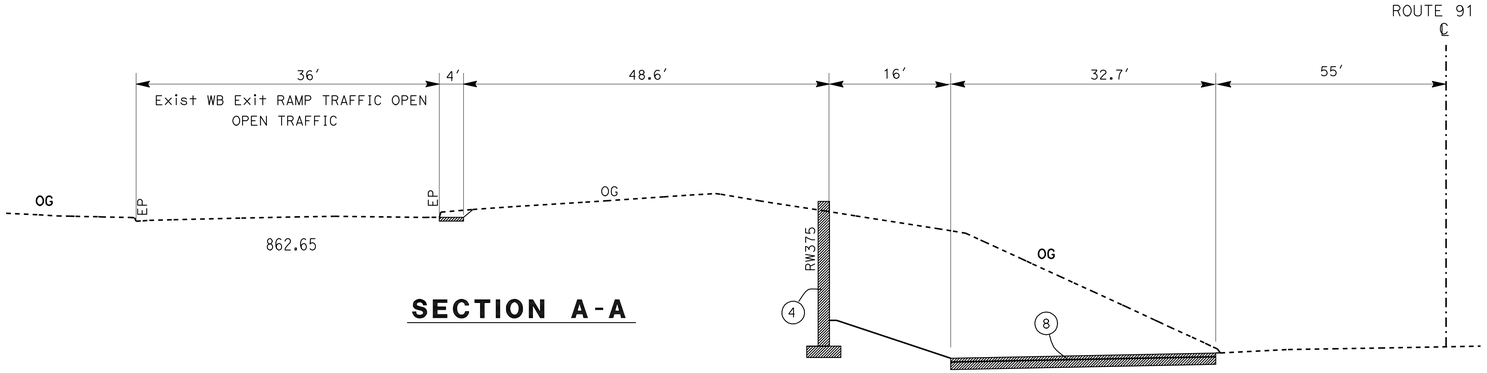
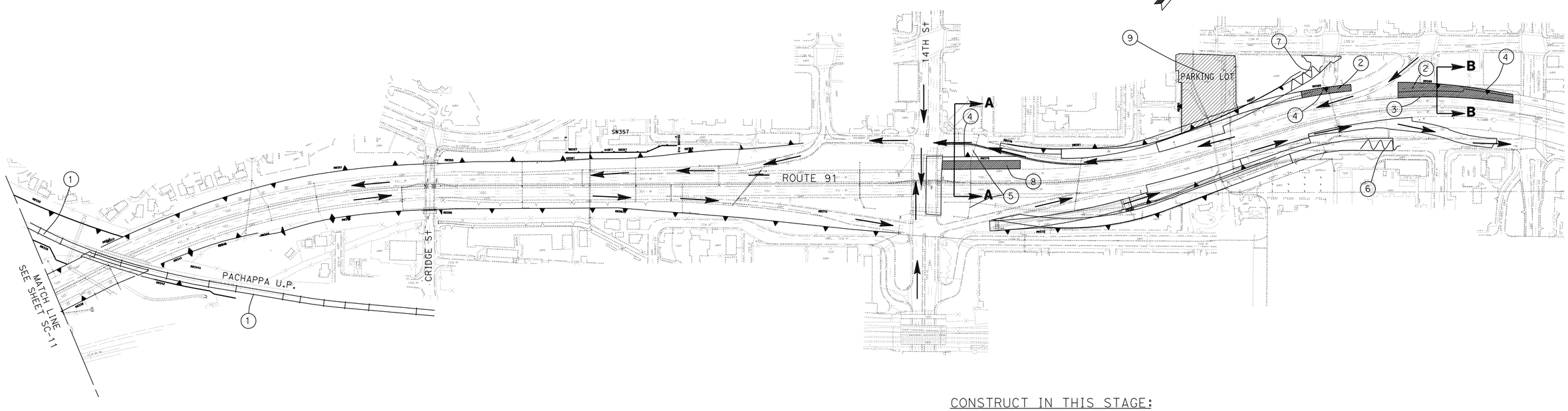
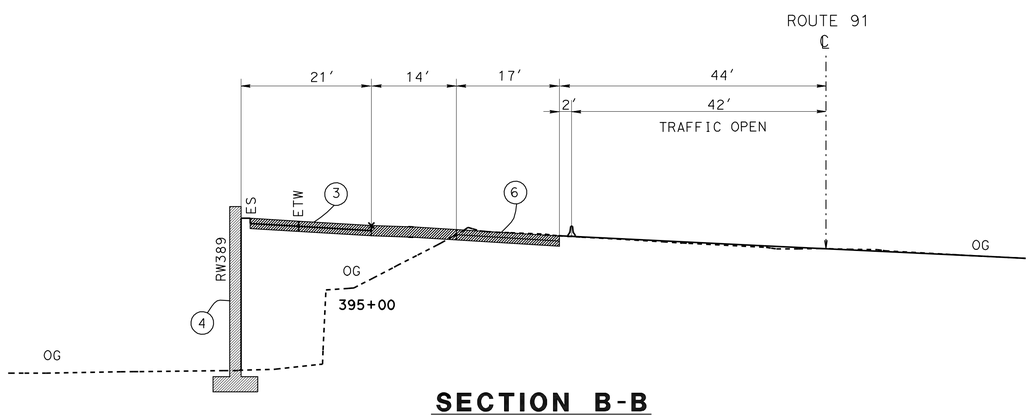


SECTION A-A





SECTION B-B

CONSTRUCT IN THIS STAGE:

1. INSTALL BY OTHERS THE TEMPORARY RAILROAD TRACK AT SHOOFLY UP BRIDGE.
   SEE RAILROAD TRAFFIC HANDLING PLANS, SEE SHEET C-109 TO C-122
2. RECONSTRUCT THE PORTION OF 14TH St WB EXIT RAMP.
3. CONSTRUCT THE WIDENING PORTION OF WB ROUTE 91 FROM STA. 393+50.00 TO STA. 398+05.00
4. CONSTRUCT PORTION OF RETAINING WALL NUMBER: 375 AND 389.
5. CONSTRUCT PORTION OF DRAINAGE SYSTEM 138 139 148
6. CLOSE MULBERRY St EXIT RAMP.
7. CLOSE 10th St WB ENTRANCE RAMP.
8. CONSTRUCT THE WIDENING PORTION OF WB ROUTE 91 FROM STA. 375+00.00 TO STA. 378+20.00
9. REGRADE PARKING LOT.

STAGE 1 PHASE 3
STAGE CONSTRUCTION
NO SCALE
SC-12

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	452	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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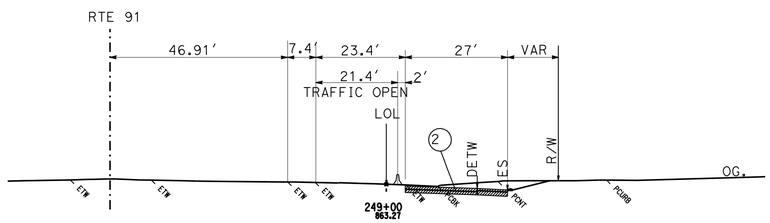
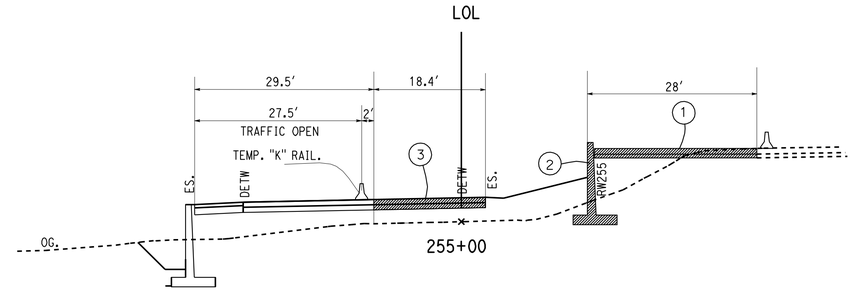
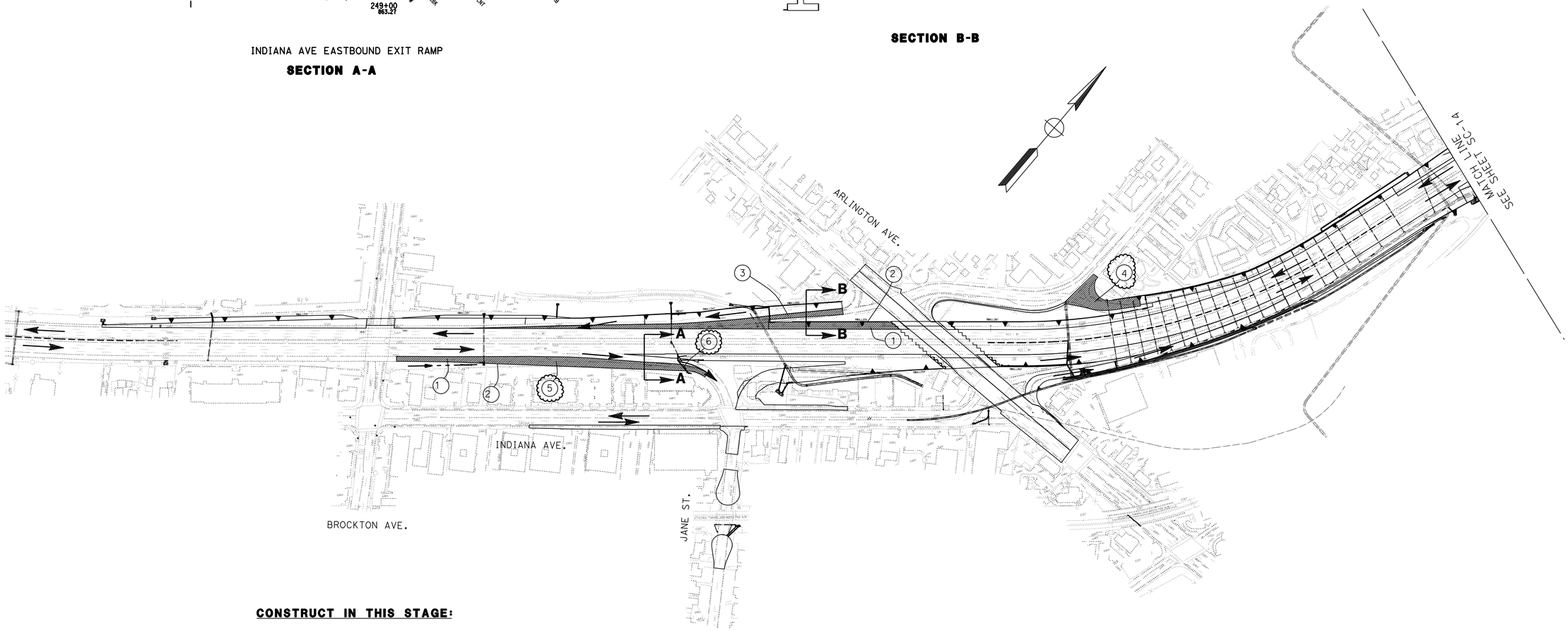


INDIANA AVE EASTBOUND EXIT RAMP

SECTION A-A



SECTION B-B



CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE WIDENING PORTION OF THE WB ROUTE 91 FROM STA. 240+20.00 TO STA. 258+59.00
   CONSTRUCT THE WIDENING PORTION OF THE EB ROUTE 91 FROM STA. 239+70.00 TO STA. 244+80.00
2. CONSTRUCT THE RETAINING WALL NUMBER 255 AND CONSTRUCT RETAINING WALL NUMBER 240
3. RECONSTRUCT THE PORTION OF WB ON RAMP AT ARLINGTON AVE.
4. CONSTRUCT THE REMAINING PORTION OF THE EB OFF RAMP AT ARLINGTON AVE. BY TEN DAY CLOSURE
5. CONSTRUCT THE WIDENING PORTION OF EB OFF RAMP AT INDIANA ST.
6. CONSTRUCT PORTION OF DRAINAGE SYSTEM 29

STAGE 1 PHASE 4
STAGE CONSTRUCTION

NO SCALE

SC-13

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

REVISED BY | DATE REVISED
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CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARK PERTILE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	453	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
CIVIL
STATE OF CALIFORNIA

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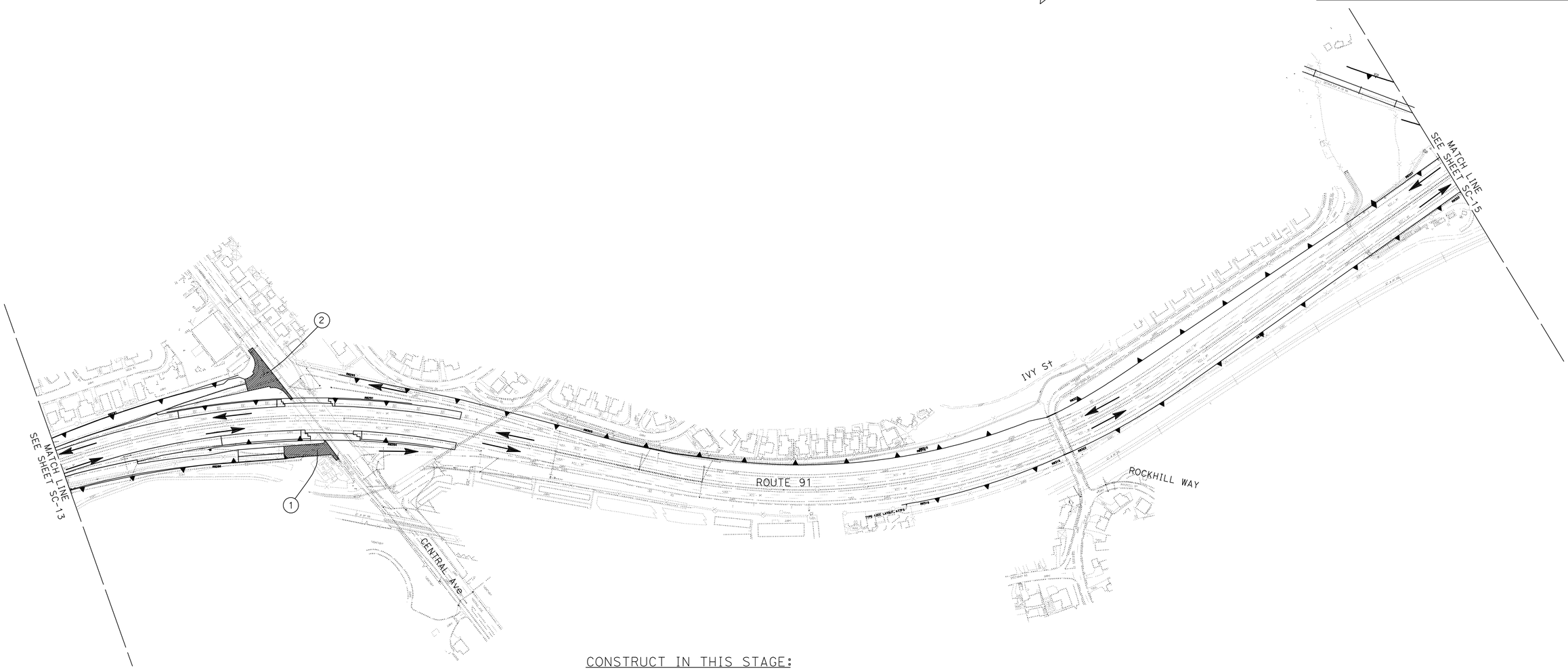

CONSTRUCT IN THIS STAGE:

1. CONTRUCT THE REMAINING PORTION EB EXIT RAMP USING RAPID SET CONCRETE BY TEN DAY CLOSURE
2. CONSTRUCT THE REMAINING PORTION WB ENTRANCE RAMP WITH TEN DAY CLOSURE.

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 1 PHASE 4
STAGE CONSTRUCTION
NO SCALE

SC-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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CALCULATED-DESIGNED BY: KENT NGUYEN
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REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	454	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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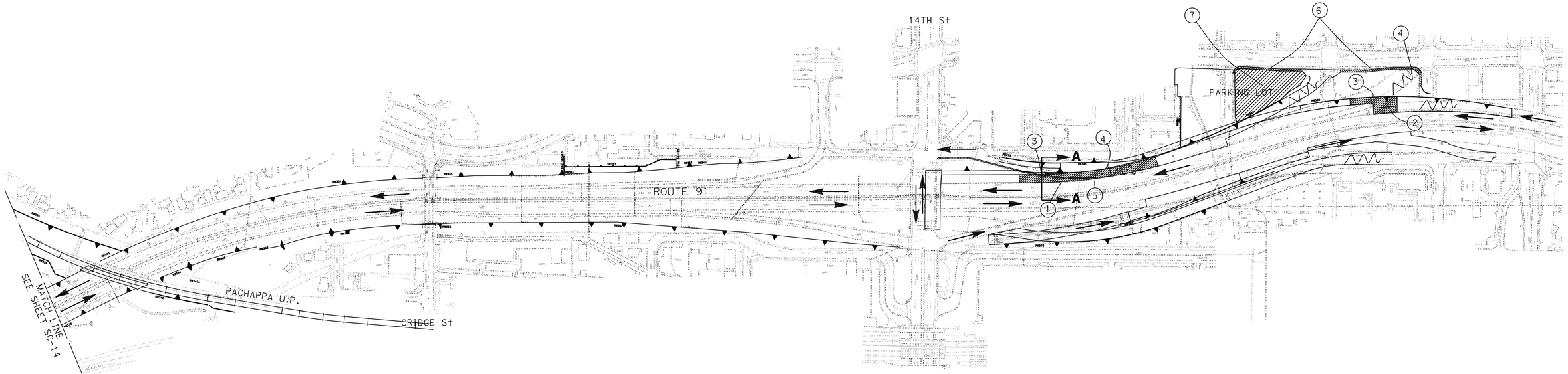
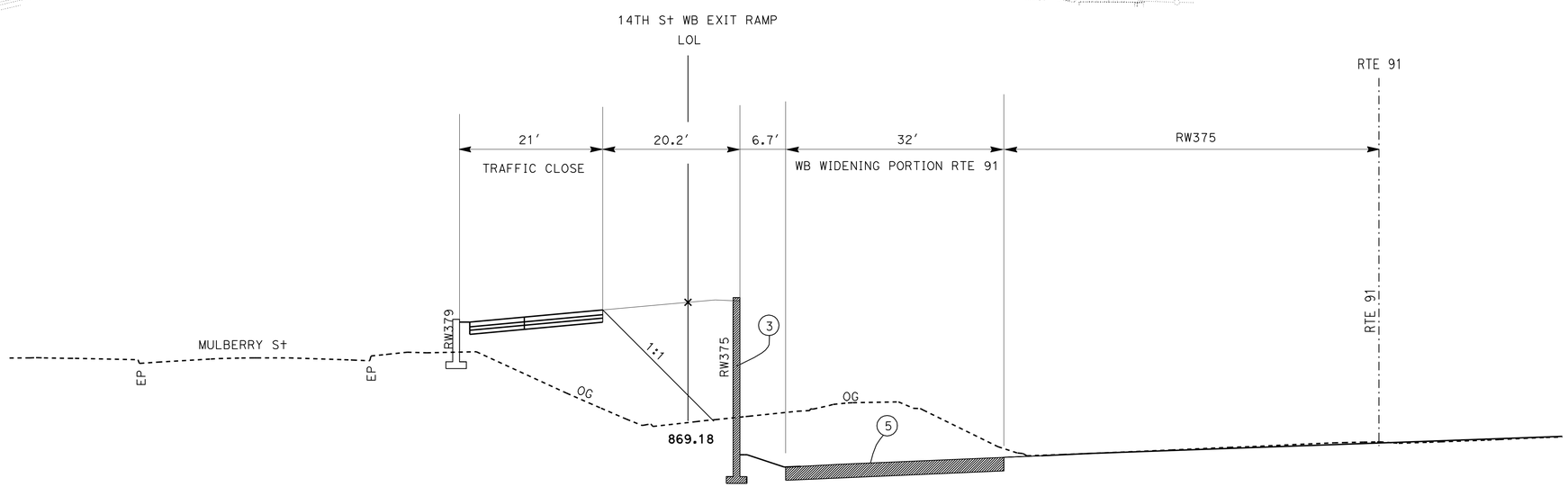
CONSTRUCT IN THIS STAGE:

1. REMOVE THE PORTION OF TEMPORARY PAVEMENT AT WB EXIT RAMP.
2. RECONSTRUCT PORTION WB 14TH St EXIT RAMP DURING TEN DAY CLOSURE.
3. CONSTRUCT THE RETAINING WALL NUMBER: PORTION 375 AND 389 DURING TEN DAY CLOSURE.
4. CLOSE WB ENTRANCE RAMP.
5. CONSTRUCT THE WIDENING WB ROUTE 91 WITH FAST SET CONCRETE FROM STA. 378+20.00 TO STA. 384+00.00
6. CONSTRUCT PORTION OF THE LIME St.
7. REGRADE PARKING LOT.





SECTION A-A

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 1 PHASE 4
STAGE CONSTRUCTION
NO SCALE

SC-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	455	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
CIVIL
STATE OF CALIFORNIA

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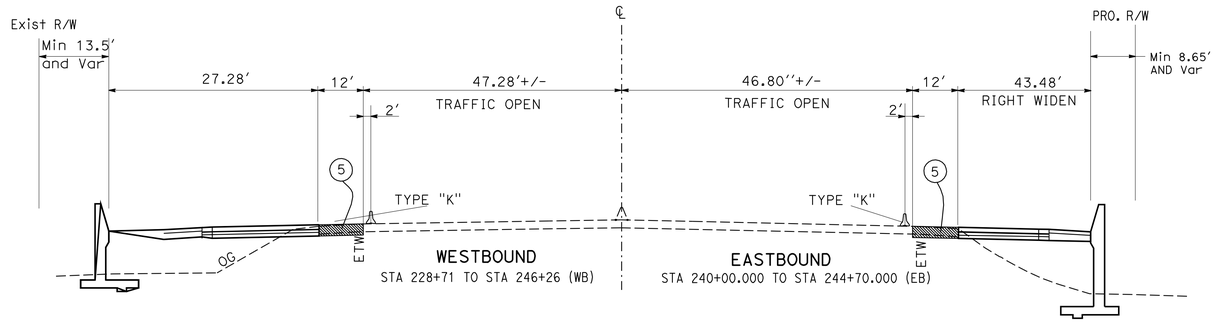
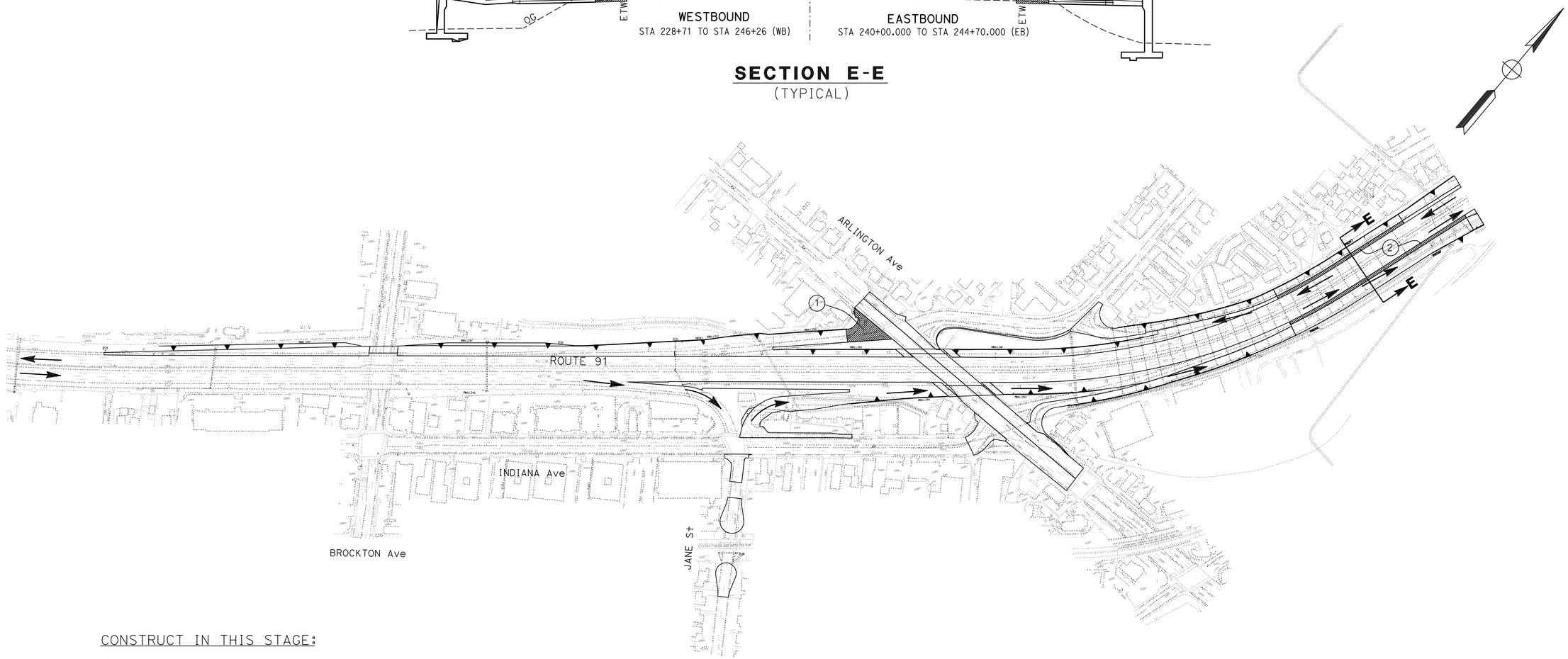


SECTION E-E
(TYPICAL)



CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE REMAINING PORTION OF WB ENTRANCE RAMP WITH 10 DAYS CLOSURE.
2. CONSTRUCT THE REMAINING PORTION WITH RAPID SET CONCRETE BY OVER NIGHT RAMPS CLOSURE.
   WB ROUTE 91 FROM STA. 273+00.00 TO STA. 278+70.00
   EB ROUTE 91 FROM STA. 273+00.00 TO STA. 280+60.00

STAGE 1 PHASE 5
STAGE CONSTRUCTION
NO SCALE

SC-16

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	456	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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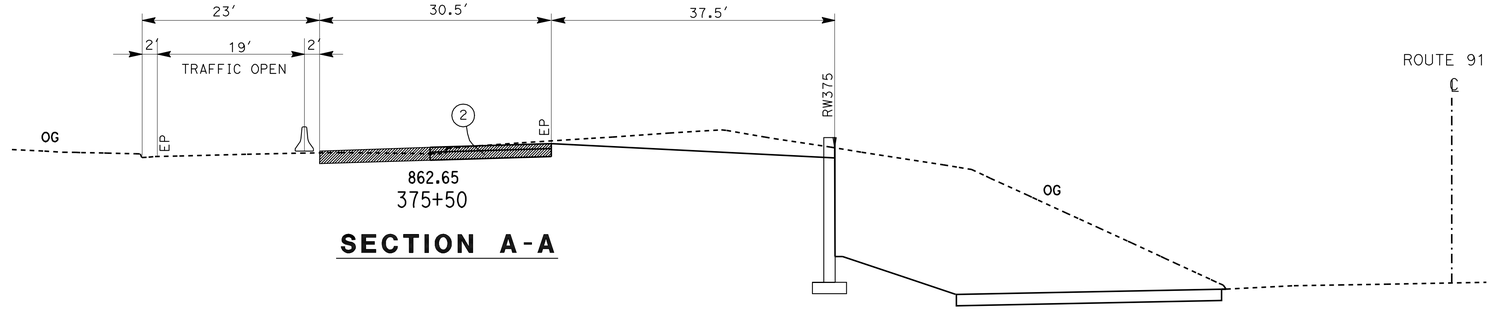
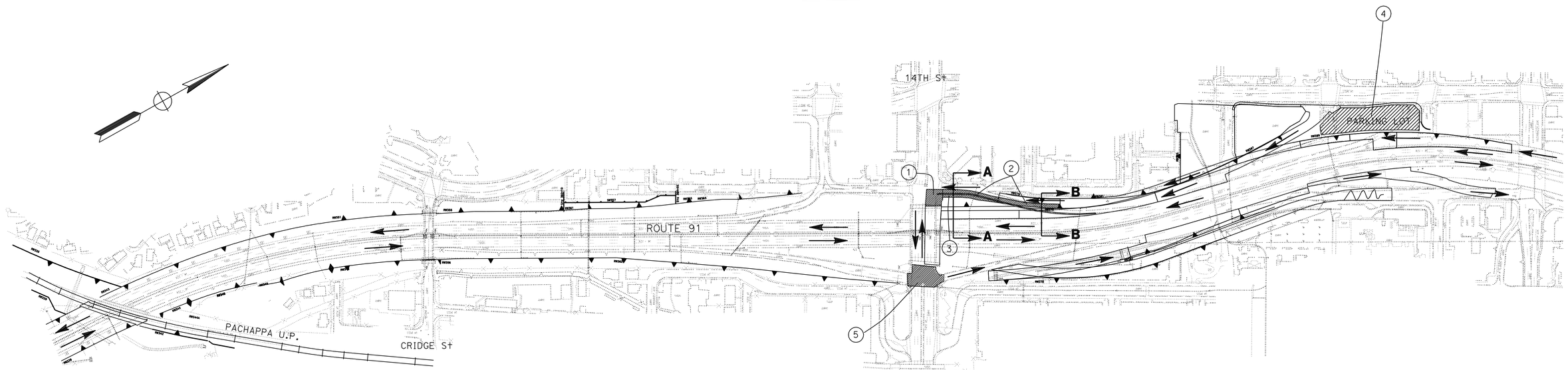
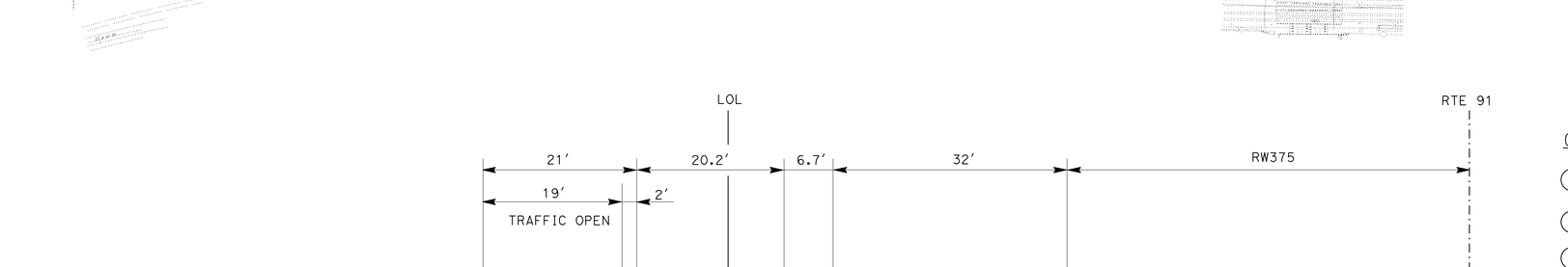


SECTION A-A





SECTION B-B

CONSTRUCT IN THIS STAGE:

1. REGRADE HALF OF PORTION OF 14TH St.
2. RECONSTRUCT PORTION WB 14TH St EXIT RAMP DURING TEN DAY CLOSURE.
3. REMOVE THE PORTION OF TEMPORARY PAVEMENT.
4. REGRADE PARKING LOT.
5. CONSTRUCT TEMPORARY PAVEMENT TIE-IN. SEE SHEET SCD-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 1 PHASE 5
STAGE CONSTRUCTION
NO SCALE

SC-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
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DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	457	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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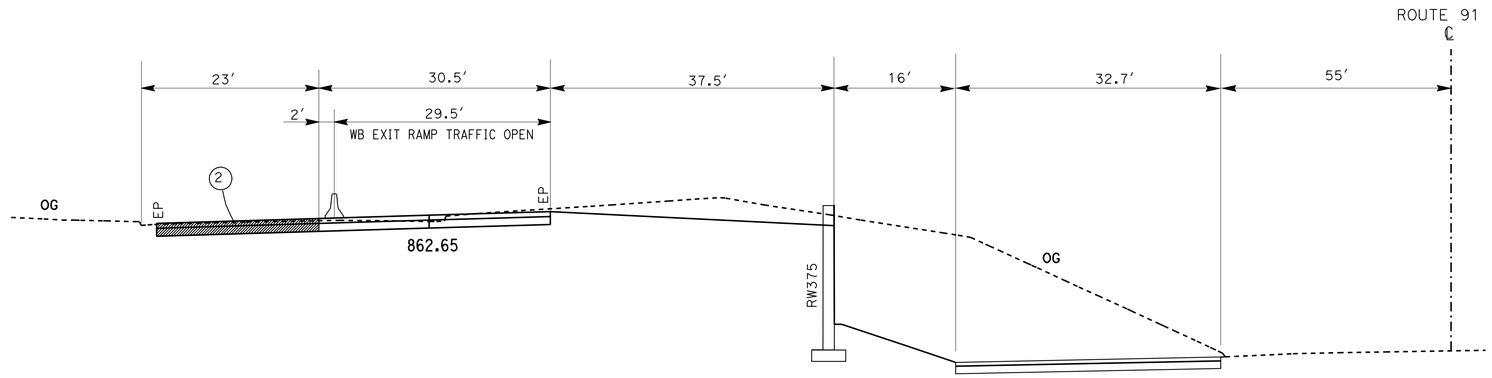
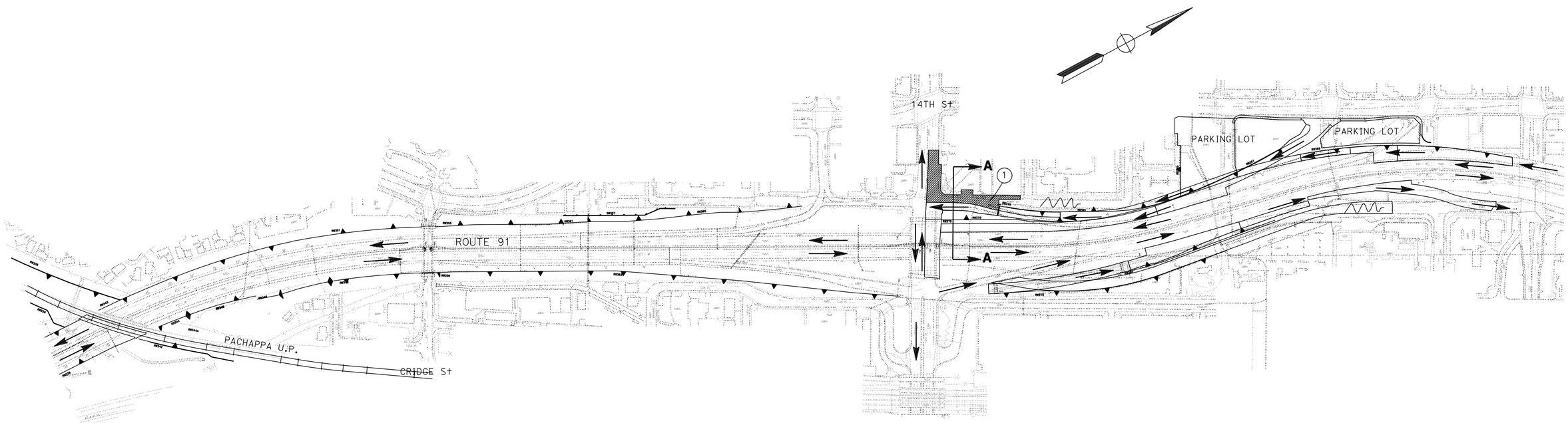
CONSTRUCT IN THIS STAGE:

(1) CONSTRUCT THE REMAINING PORTION 14TH St WB EXIT RAMP. USE RAPID SET CONCRETE.



SECTION A-A



STAGE 1 PHASE 6
STAGE CONSTRUCTION
NO SCALE

SC-18

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

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CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	458	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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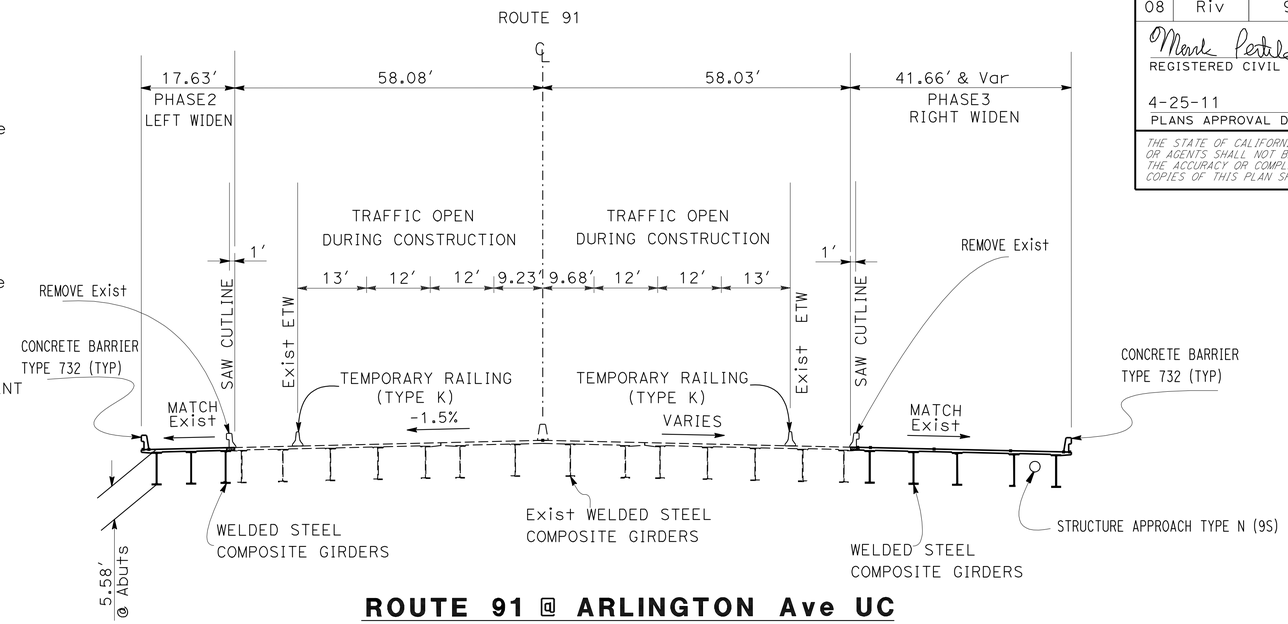
CONSTRUCTION NOTE:

PHASE1: SHIFT ARLINGTON TRAFFIC TO MEDIAN
CONSTRUCT WIDENING PORTION ABUTMENT ON BOTH SIDES OF ROUTE 91.

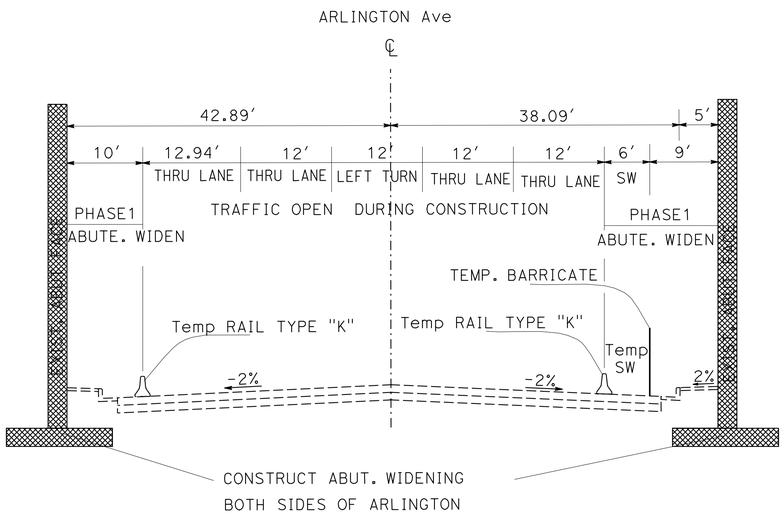
PHASE2: SHIFT ARLINGTON TRAFFIC TO SOUTHERLY SIDE.
CONSTRUCT LEFT SIDE BRIDGE WIDENING PORTION AND APPROACH SLAB.
RE-GRADE THE NORTHERLY HALF OF THE MIDDLE PORTION OF ARLINGTON Ave
RE-GRADE THE NORTHERLY HALF OF THE REMAINING END PORTIONS OF ARLINGTON Ave WITH 10 DAY CLOSURES OF RAMP FOR PAVEMENT TIE-INS AND CONSTRUCT PAVEMENT TRANSITION TO EXISTING PAVEMENT.

PHASE3: SHIFT ARLINGTON TRAFFIC TO NORTHERLY SIDE.
CONSTRUCT RIGHT SIDE BRIDGE WIDENING PORTION AND APPROACH SLAB.
RE-GRADE THE SOUTHERLY HALF OF THE MIDDLE PORTION OF ARLINGTON Ave
RE-GRADE THE SOUTHERLY HALF OF THE REMAINING BOTH END PORTION OF ARLINGTON AVE AT THE RAMP WITH 10 DAY CLOSURES.

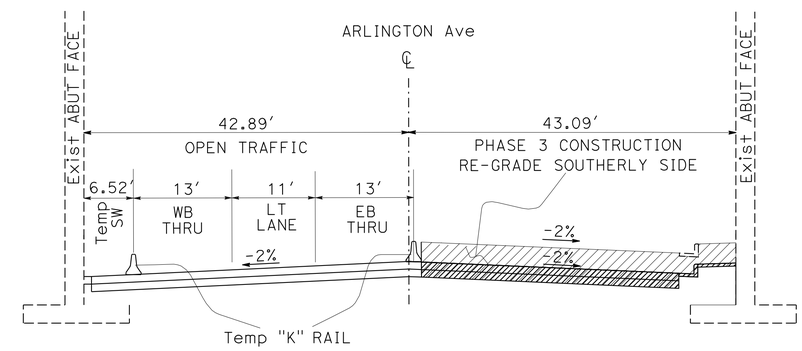
PHASE4: SHIFT ARLINGTON TRAFFIC TO NEW PAVEMENT.
CLOSE OUTSIDE LANE AND INSTALL TYPE 60D BARRIER ADJACENT TO ABUTMENT



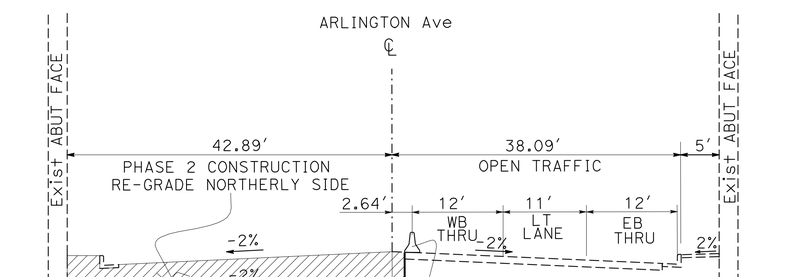
ROUTE 91 @ ARLINGTON Ave UC



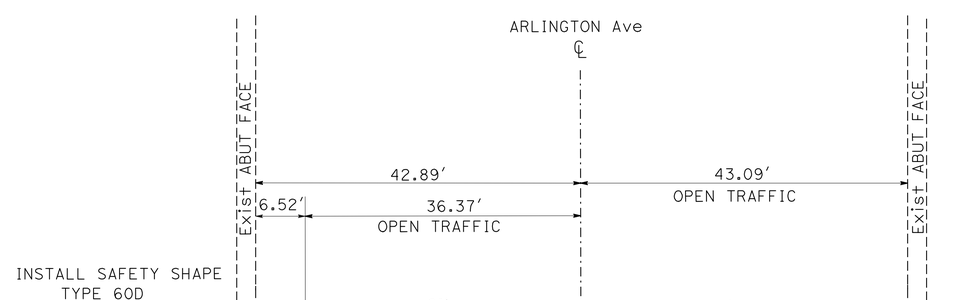
STAGE 1 PHASE 1



STAGE 1 PHASE 3



STAGE 1 PHASE 2



STAGE 1 PHASE 4

STAGE CONSTRUCTION
STAGE 1 PHASE 1-4
NO SCALE

SC-19

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LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	459	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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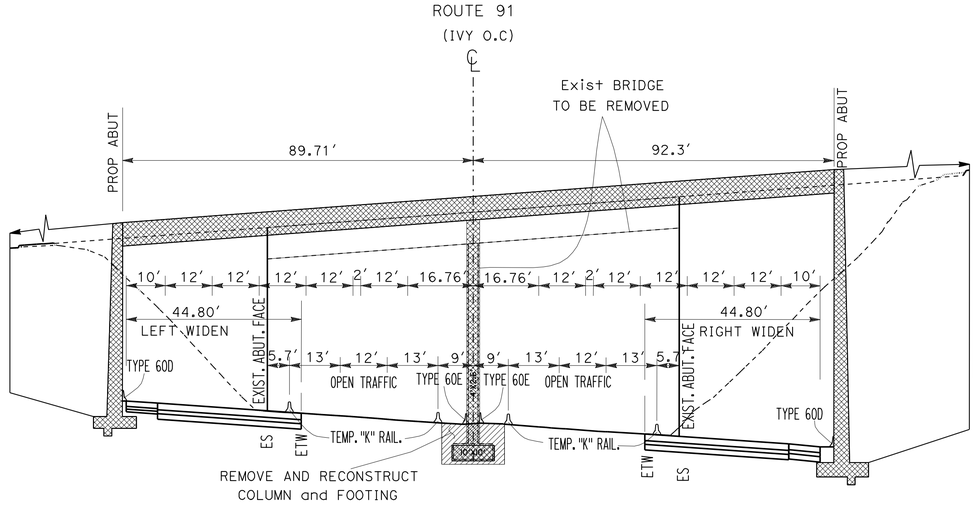
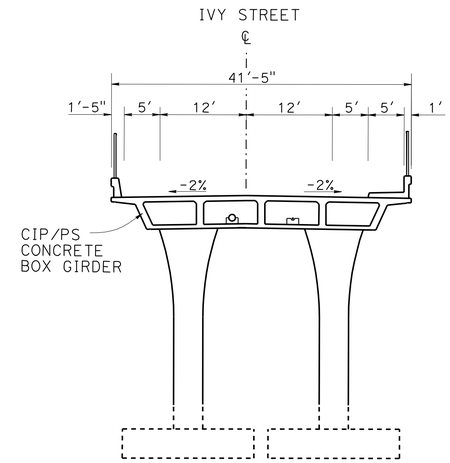
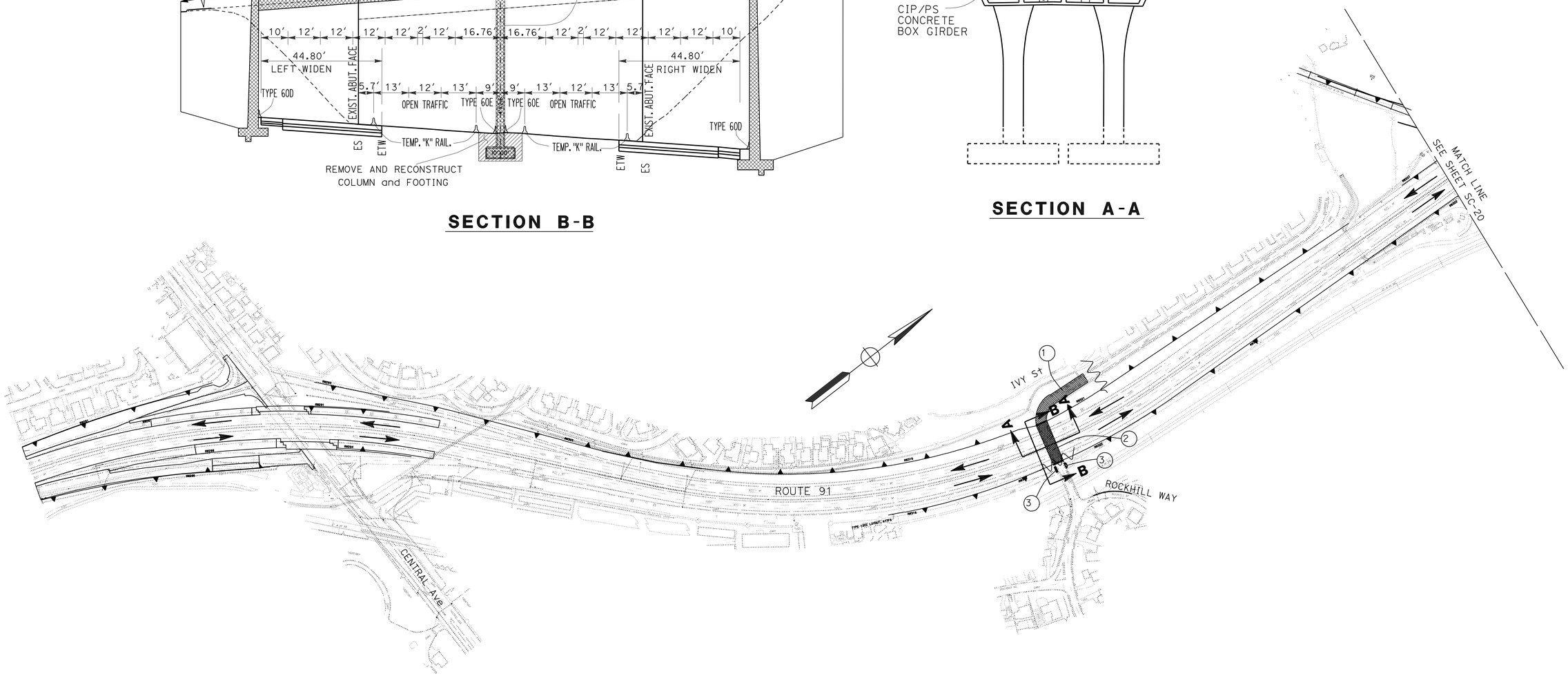


SECTION B-B



SECTION A-A



GENERAL NOTE FOR BRIDGE SEQUENCE CONSTRUCTION:

STAGE 2 CONSTRUCTION:

1- REMOVE WESTSIDE HALF OF 14 St AND RECONSTRUCT.
2- REMOVE AND REPLACE IVY OC.
3- REMOVE AND REPLACE IVY OH.
4- REMOVE AND REPLACE CRIDGE OC.
5- REMOVE AND REPLACE PACHAPPA RR.

CONSTRUCT IN THIS STAGE:

1. RECONSTRUCT THE PORTION OF IVY St.
2. REMOVE AND REPLACE IVY OC. BRIDGE.
3. REGRADE THE ACCESS RAMPS FOR CITY PUMP STATION.

STAGE 2 PHASE 1
STAGE CONSTRUCTION
NO SCALE

SC-20

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TIME PLOTTED => 19:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	460	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
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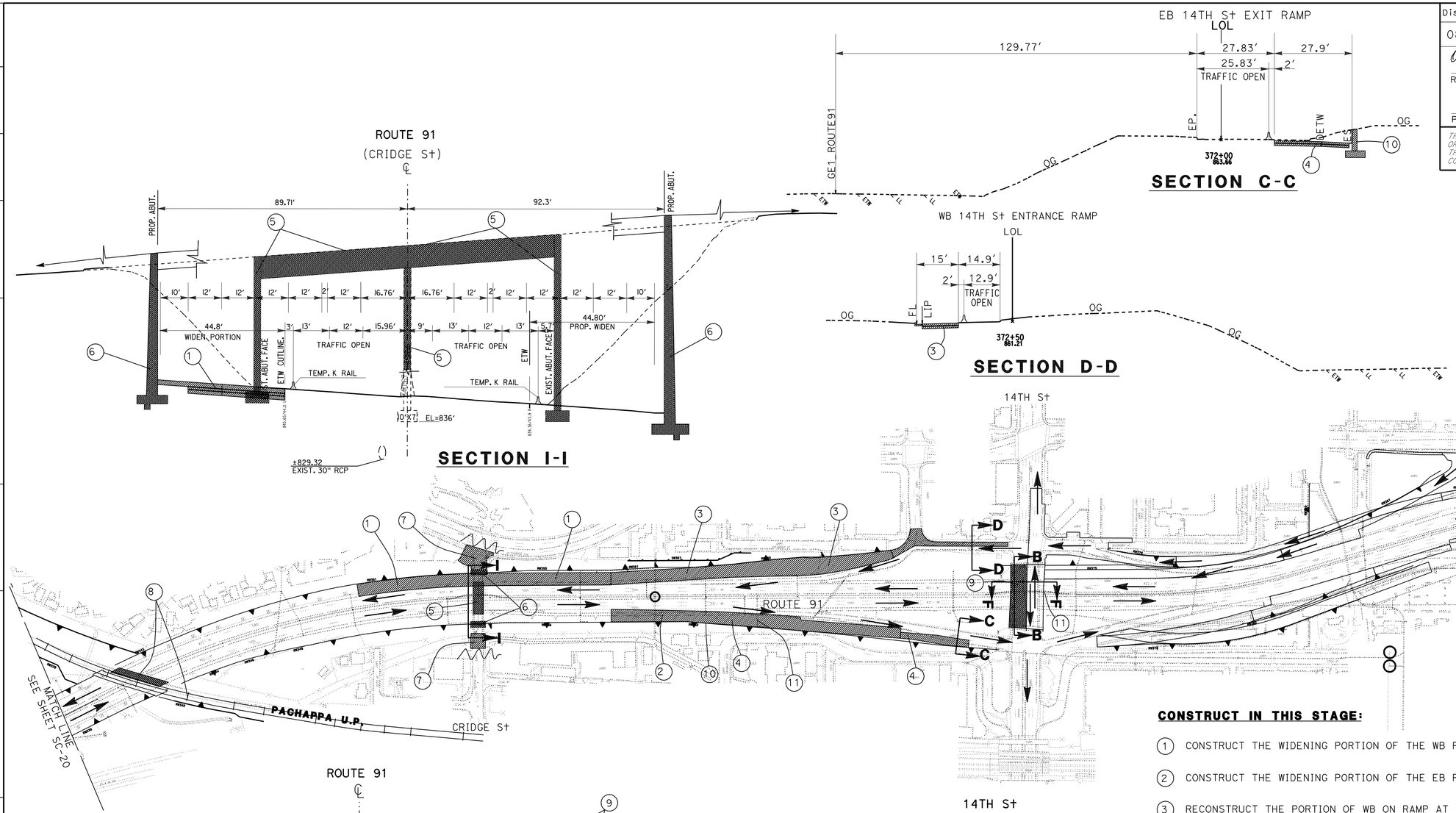
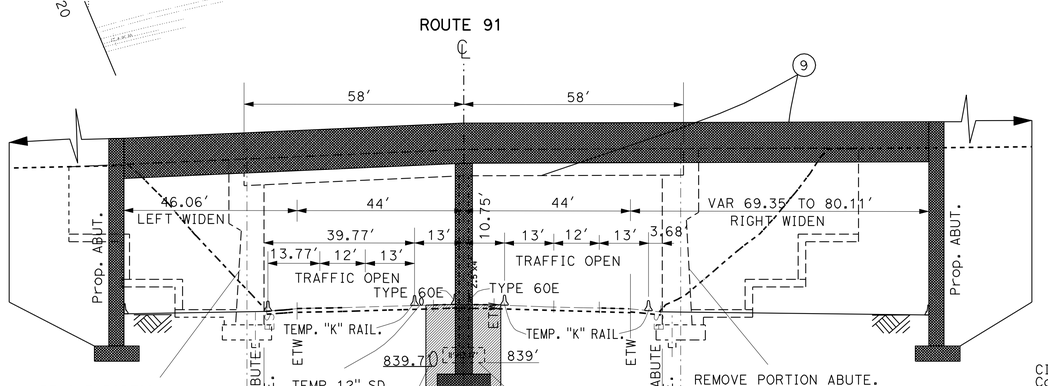
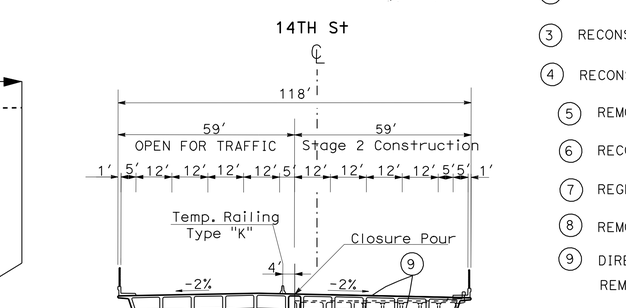




SECTION B-B



SECTION F-F

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE WIDENING PORTION OF THE WB ROUTE 91 FROM STA.350+45.00 TO STA.359+50.00
2. CONSTRUCT THE WIDENING PORTION OF THE EB ROUTE 91 FROM STA.359+50.00 TO STA. 363+50.00
3. RECONSTRUCT THE PORTION OF WB ON RAMP AT 14TH ST.
4. RECONSTRUCT THE PORTION OF EB OFF RAMP AT 14TH ST.
5. REMOVE THE DECK, ABUTMENT ON BOTH SIDE, AND PORTION OF MEDIAN COLUMN AT CRIDGE.
6. RECONSTRUCT THE ABUTEMENT ON BOTH SIDES.
7. REGRADE THE PORTION OF CRIDGE ST. (CRIDGE ST. WILL BE CLOSE.)
8. REMOVE EXISTING PACHAPPA RAILROAD UP BRIDGE. AND SWITCH THE TRAIN TO TEMPORARY TRACK.
9. DIRECT TRAFFIC TO NORTHLY HALF OF 14TH ST. OC. AND REMOVE AND RECONSTRUCT THE SOUTHLY HALF OF THE 14TH ST. BRIDGE.
10. CONSTRUCT THE RETAINING WALL NUMBER: 361,362
11. REMOVE AND RECONSTRUCT THE PORTION DRAINAGE SYSTEM NUMBER: 105 98

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 2 PHASE 1
STAGE CONSTRUCTION
NO SCALE

SC-21

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	461	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
CIVIL
STATE OF CALIFORNIA

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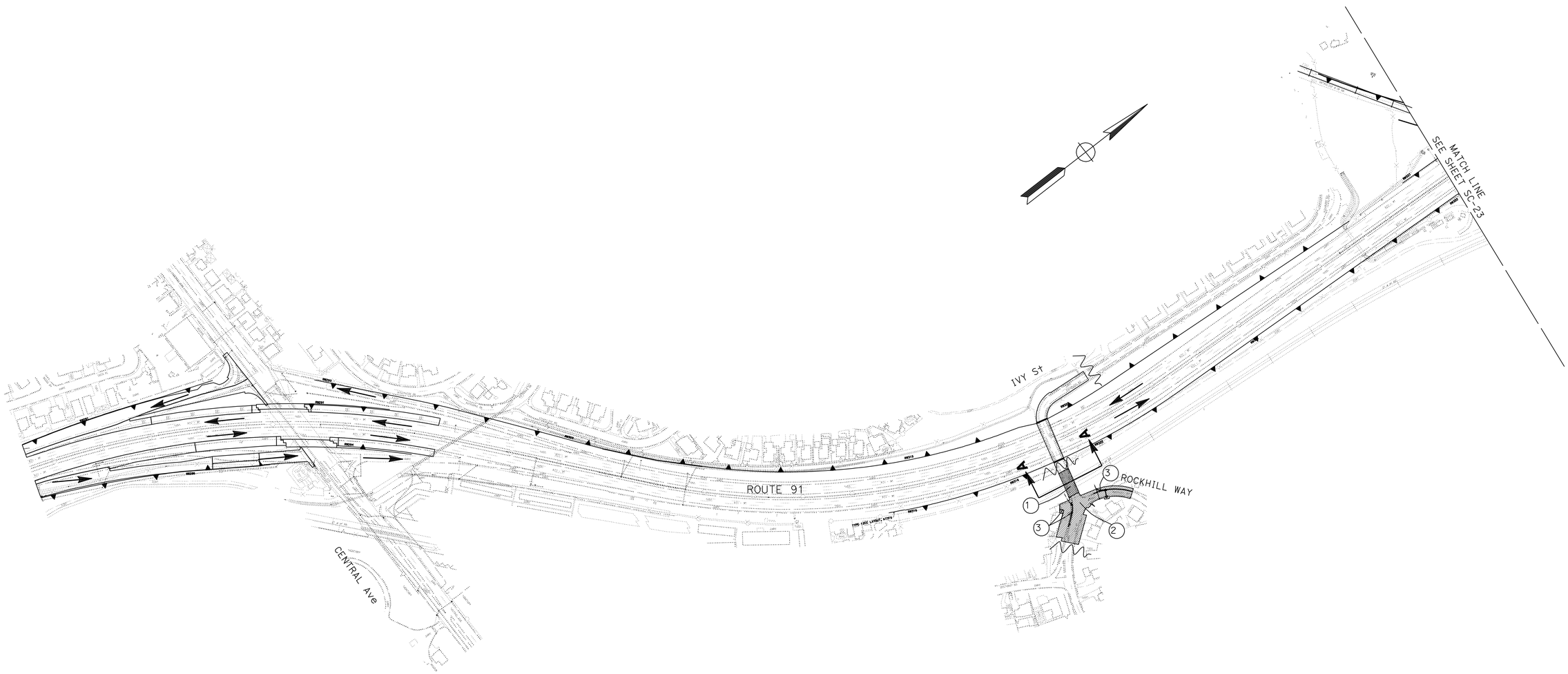
CONSTRUCT IN THIS STAGE:

1. REMOVE AND RECONSTRUCT IVY OH BRIDGE.
2. RECONSTRUCT THE PORTION OF IVY St.
3. CONSTRUCT DRAINAGE SYSYTEM NUMBER 111 112 113

NOTE:

KEEP THE ACCESS ROAD OPEN TO THE CITY PUMP STATION



THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 2 PHASE 2
STAGE CONSTRUCTION
NO SCALE

SC-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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Mark Pertile 3-29-10
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REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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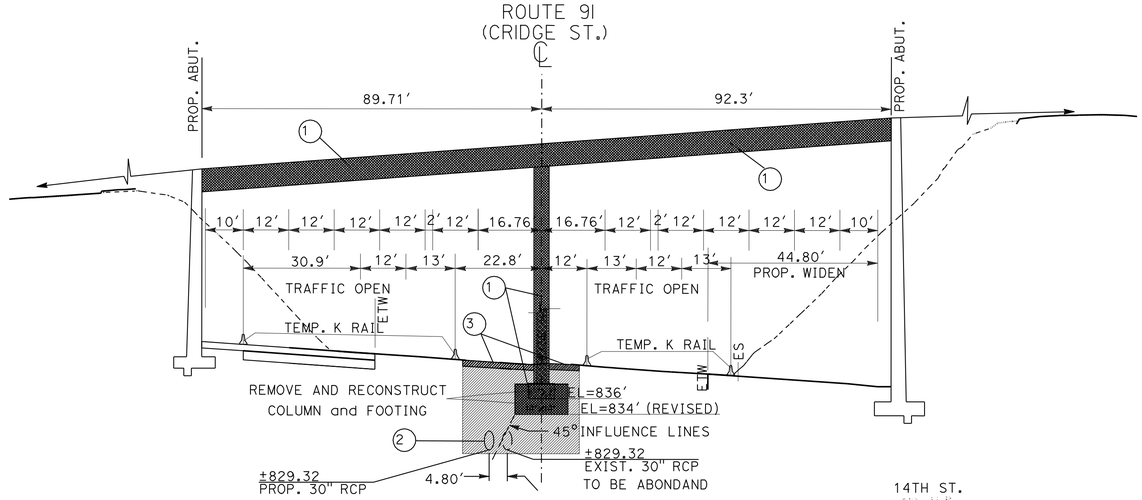
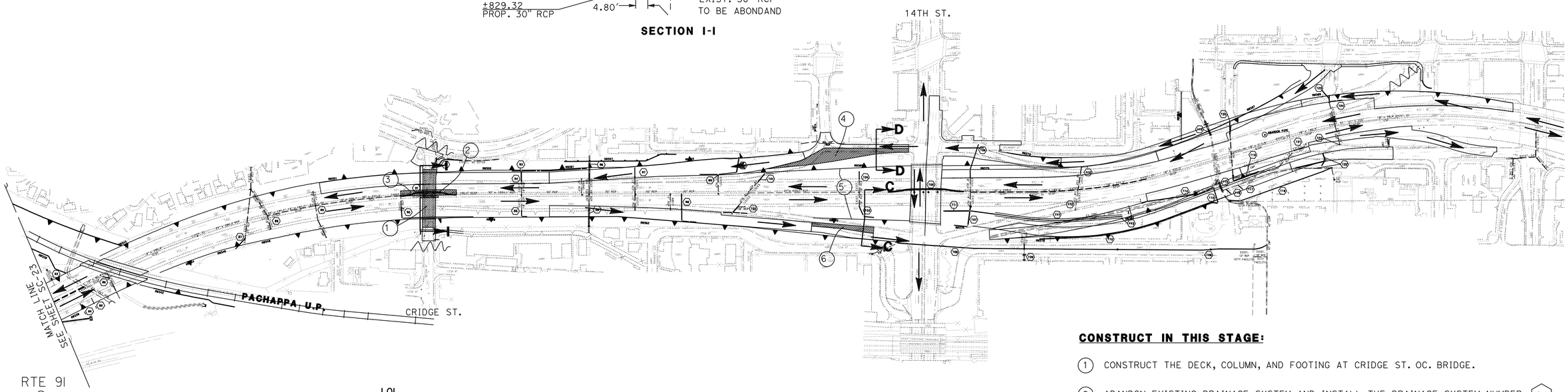
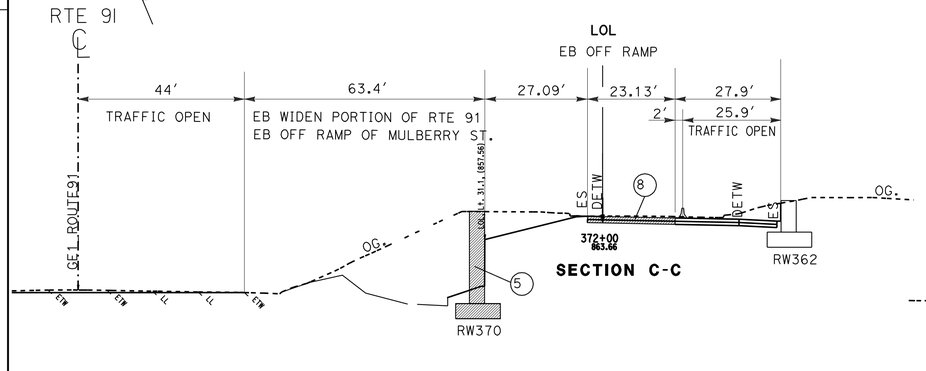


SECTION I-I

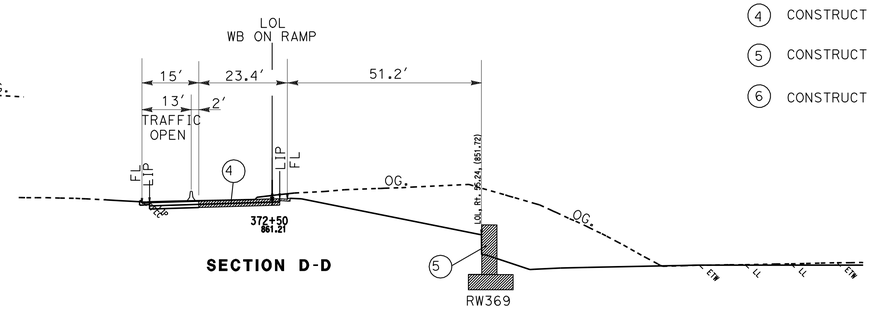


CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE DECK, COLUMN, AND FOOTING AT CRIDGE ST. OC. BRIDGE.
2. ABANDON EXISTING DRAINAGE SYSTEM AND INSTALL THE DRAINAGE SYSTEM NUMBER 91
3. RECONSTRUCT THE PORTION OF MEDIAN PAVEMENT OF ROUTE 91.
4. CONSTRUCT THE REMAIN PORTION OF THE WB ON RAMP AT 14TH ST.
5. CONSTRUCT RETAINING WALL NUMBER : 369 AND 370.
6. CONSTRUCT THE PORTION OF EB OFF RAMP AT 14TH ST.



SECTION C-C



SECTION D-D

STAGE 2 PHASE 2
STAGE CONSTRUCTION
NO SCALE

SC-23

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08	Riv	91	15.6/21.6	463	2028

Mark Pertile 3-29-10
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4-25-11
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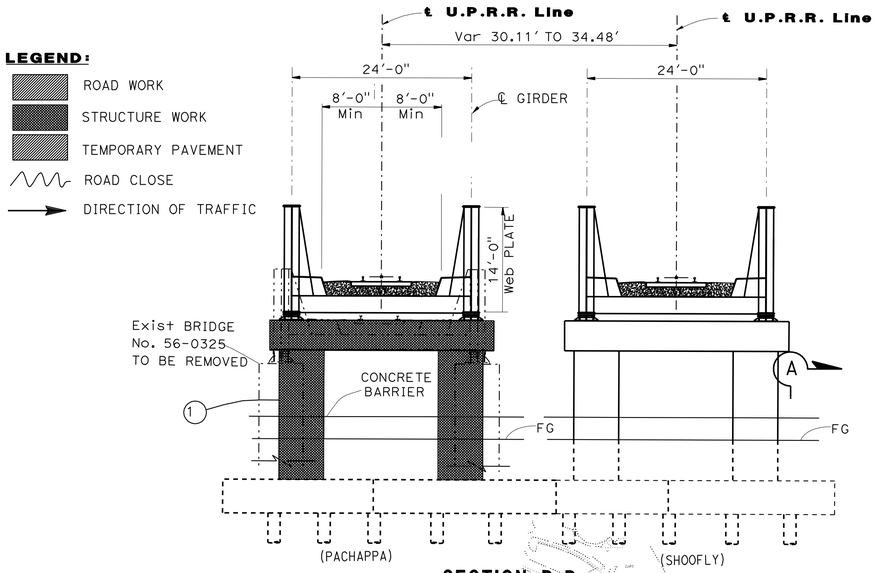
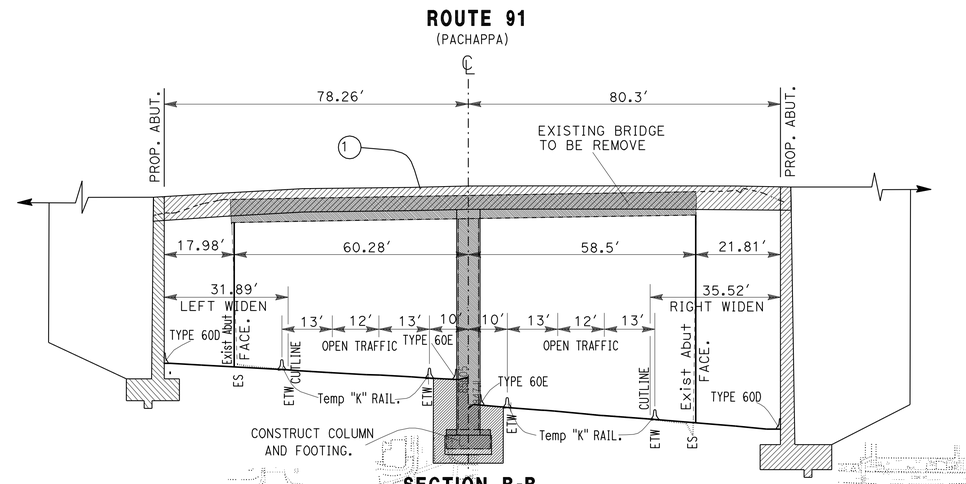
LEGEND:

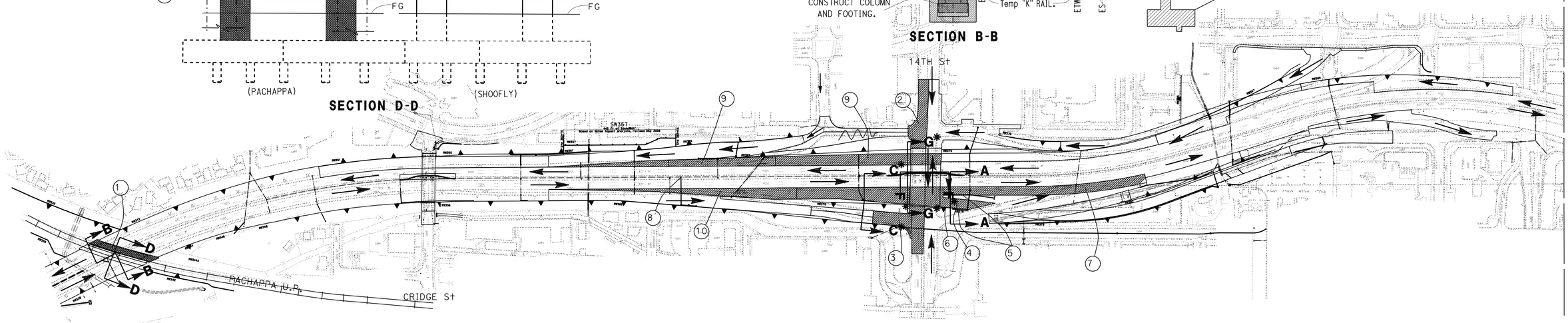
- ROAD WORK
- STRUCTURE WORK
- TEMPORARY PAVEMENT
- ROAD CLOSE
- DIRECTION OF TRAFFIC



SECTION D-D

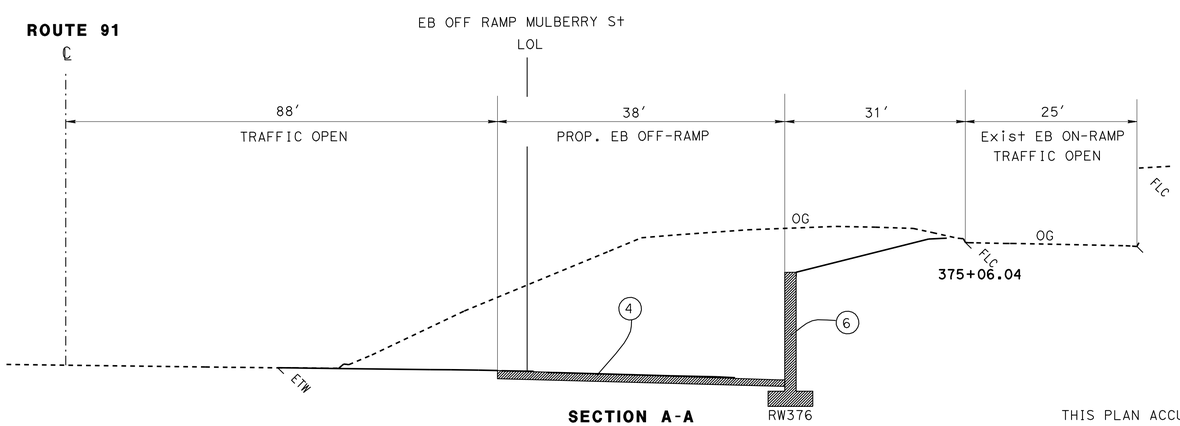


SECTION B-B



CONSTRUCT IN THIS STAGE:

- ✱ SEE NEXT SHEET FOR SECTIONS C-C, F-F, G-G.
- (1) CONSTRUCT THE PACHAPPA RAILROAD UP BRIDGE.
- (2) REGRADE THE PORTION OF 14TH St AND TIES IN THE WB ON RAMP WITH IN TEN DAY CLOSURE.
- (3) REGRADE THE PORTION OF 14TH St AND TIES IN THE EB OFF RAMP BY TEN DAY CLOSURE. USE RAPID SET CONCRETE.
- (4) CONSTRUCT THE PORTION OF EB OFF RAMP AT MULBERRY St.
- (5) CONSTRUCT PORTION OF DRAINAGE SYSTEM (111) (107)
- (6) CONSTRUCT THE PORTION OF RETAINING WALL NUMBER: 376.
- (7) CONSTRUCT DROP INLET AT MEDIAN OF DRAINAGE SYSTEM (98)
  THEN CONSTRUCT THE REMAIN PORTION AT MIDDLE BY OVER NIGHT CLOSURE WITH RAPID SET CONCRETE.
- (8) CONSTRUCT THE WIDENING PORTION OF THE WB ROUTE 91 FROM Sta 359+50 TO 375+00.
- (9) CONSTRUCT THE PORTION OF EB OFF RAMP AT MULBERRY St.



SECTION A-A

DETOUR IN THIS STAGE:

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STAGE 2 PHASE 3
STAGE CONSTRUCTION
NO SCALE

SC-24

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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Mark Pertile 3-29-10
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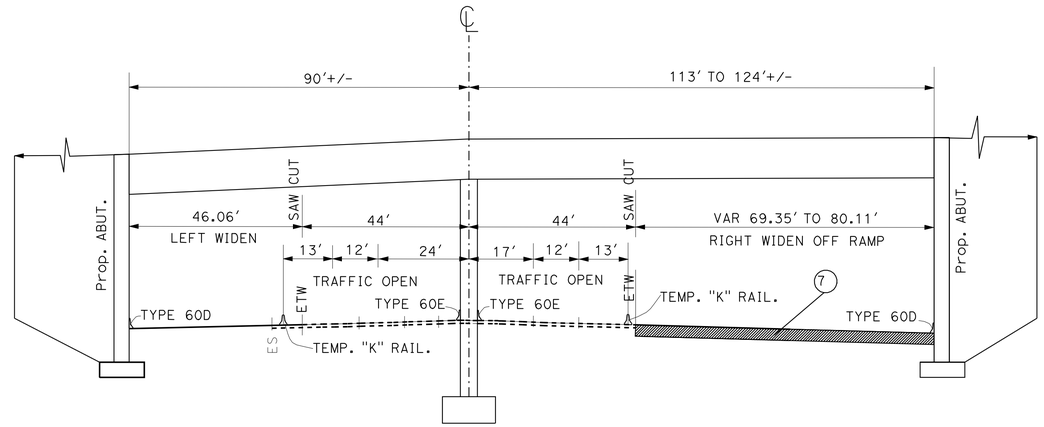
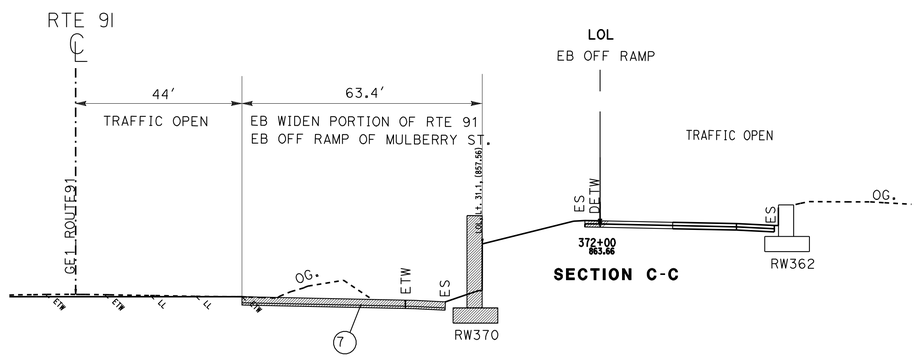
ROUTE 91

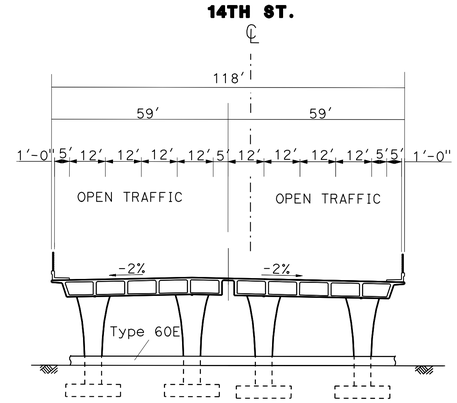


SECTION G-G



SECTION C-C

14TH ST.



SECTION F-F

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STAGE 2 PHASE 3
STAGE CONSTRUCTION
NO SCALE

SC-25

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Mark Pertile 3-29-10
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No. 50395
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STATE OF CALIFORNIA

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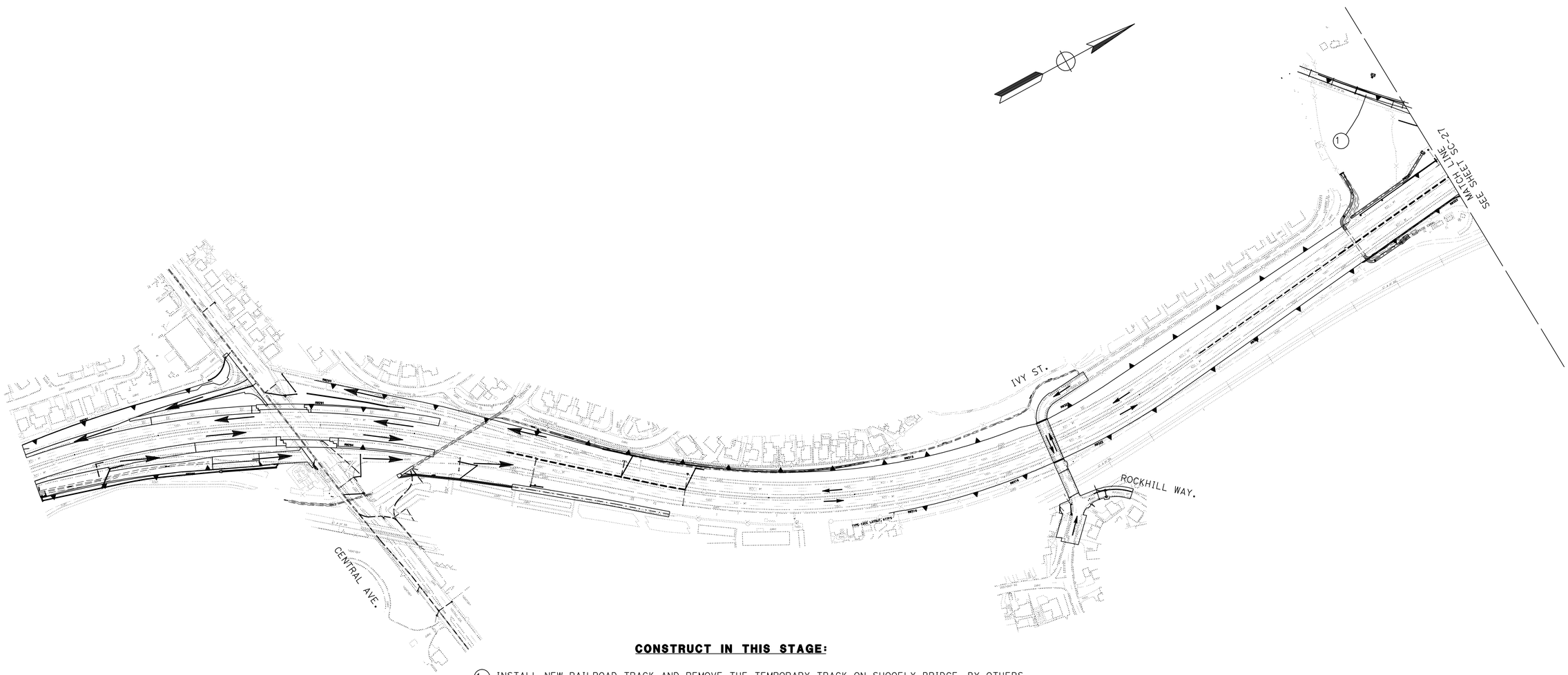

CONSTRUCT IN THIS STAGE:

(1) INSTALL NEW RAILROAD TRACK AND REMOVE THE TEMPORARY TRACK ON SHOOFLY BRIDGE. BY OTHERS. SEE RAIL ROAD TRAFFIC HANDLING PLANS, SEE SHEET C-123 TO C-126

STAGE 2 PHASE 4
STAGE CONSTRUCTION
NO SCALE

SC-26

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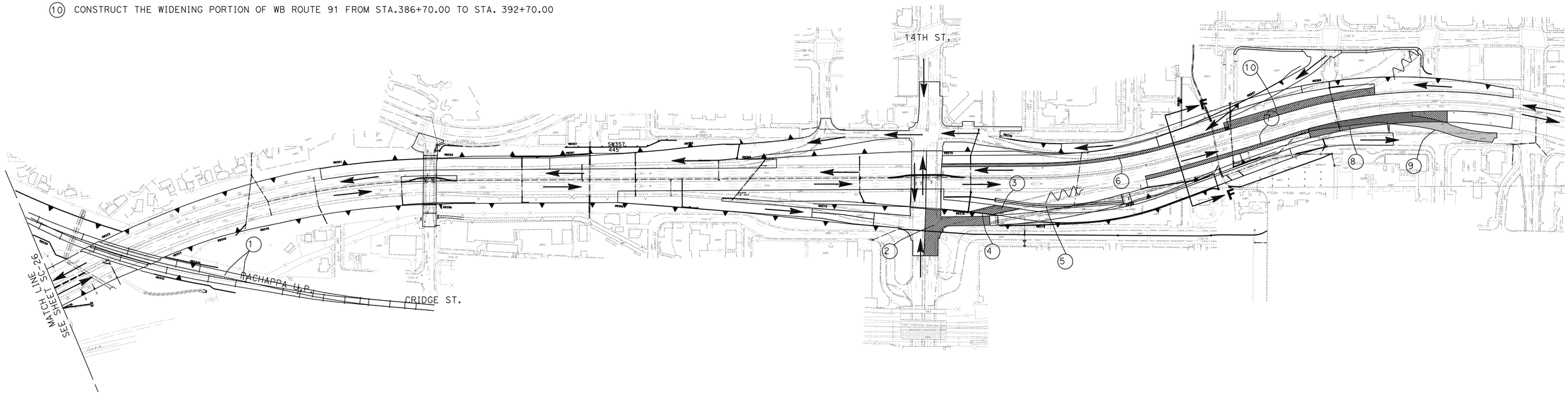
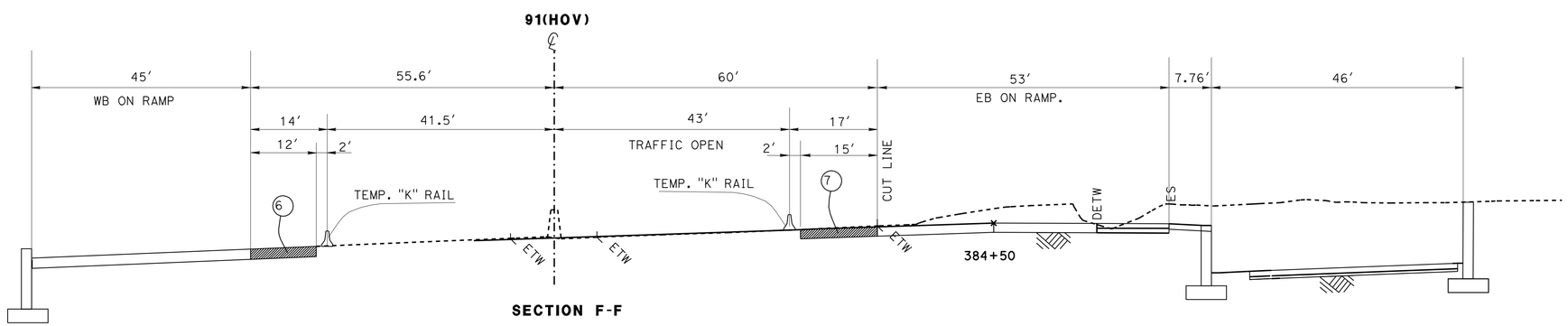
CONSTRUCT IN THIS STAGE:

1. INSTALL NEW RAILROAD TRACK AND REMOVE BY OTHERS THE TEMPORARY TRACK ON SHOOFLY BRIDGE.
   SEE RAIL ROAD TRAFFIC HANDLING PLANS, SEE SHEET C-123 TO C-126
2. CONSTRUCT THE PORTION OF 14TH ST. AND EB ON RAMP WITH TEN DAY CLOSURE.
3. CONSTRUCT THE PORTION OF OFF RAMP AT UNIVERSITY ST. WITH TEN DAY CLOSURE.
4. CONSTRUCT THE PORTION OF THE RETAINING WALL NUMBER: 376 WITH IN TEN DAY CLOSURE.
5. CONSTRUCT THE PORTION OF DRAINAGE SYSTEM NUMBER: 111
6. CONSTRUCT THE WIDENING PORTION OF WB ROUTE 91 WITH RAPID SET CONCRETE BY OVER NIGHT LANE CLOSURE, FROM STA.375+00.00 TO STA. 386+60.00
7. CONSTRUCT THE WIDENING PORTION OF EB ROUTE 91 WITH RAPID SET CONCRETE BY OVER NIGHT LANE CLOSURE, FROM STA.383+00.00 TO STA. 389+70.00
8. CONSTRUCT THE WIDENING PORTION OF EB ROUTE 91 WITH RAPID SET CONCRETE FROM STA. 389+80.00 TO 395+40.00 BY TEN DAY CLOSURE.
9. TEMPORAY RAMP WILL BE REMOVE.
10. CONSTRUCT THE WIDENING PORTION OF WB ROUTE 91 FROM STA.386+70.00 TO STA. 392+70.00





SECTION F-F

STAGE 2 PHASE 4
STAGE CONSTRUCTION
NO SCALE

SC-27

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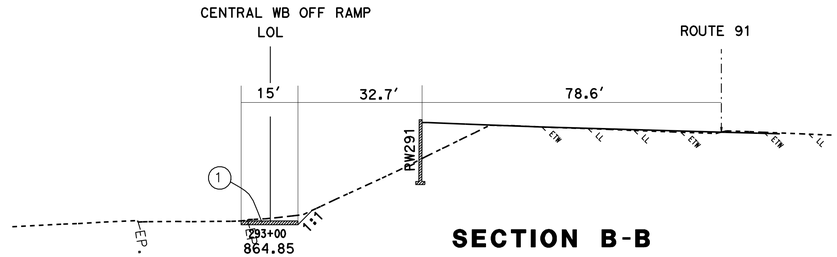
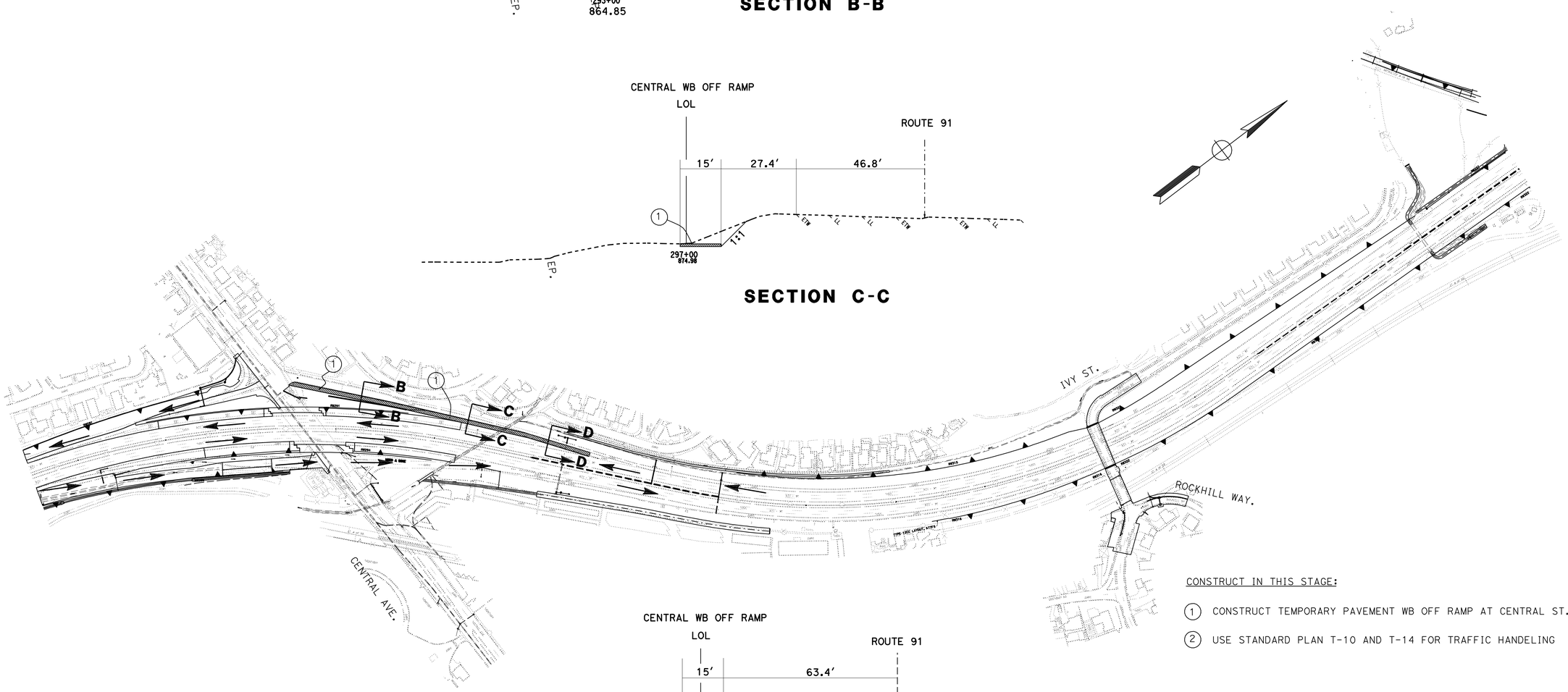
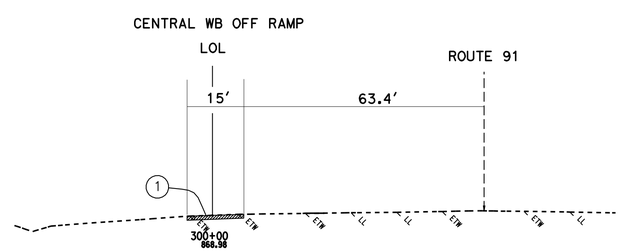


SECTION B-B

SECTION C-C





SECTION D-D

CONSTRUCT IN THIS STAGE:

1. CONSTRUCT TEMPORARY PAVEMENT WB OFF RAMP AT CENTRAL ST. SEE SHEET SCD-1
2. USE STANDARD PLAN T-10 AND T-14 FOR TRAFFIC HANDELING

STAGE 3 PHASE 1
STAGE CONSTRUCTION
NO SCALE

SC-28

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

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STATE OF CALIFORNIA

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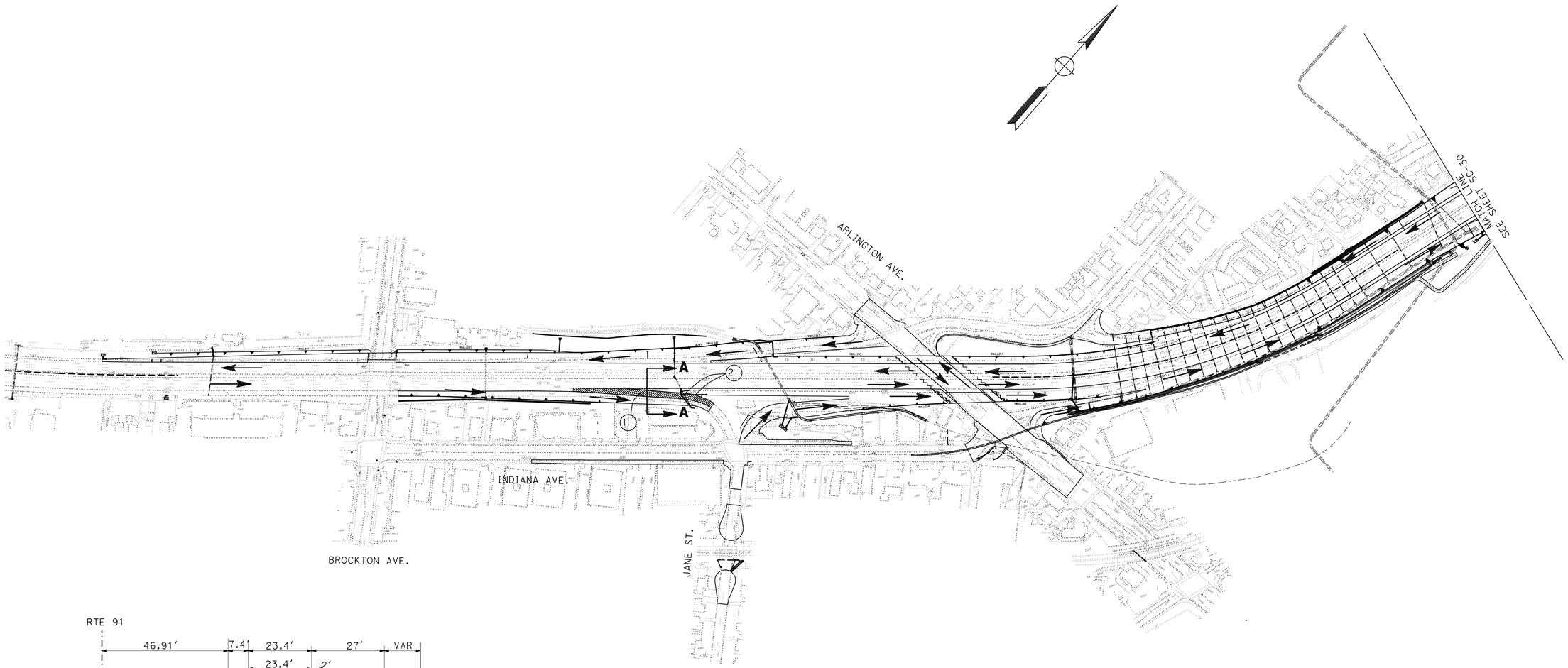
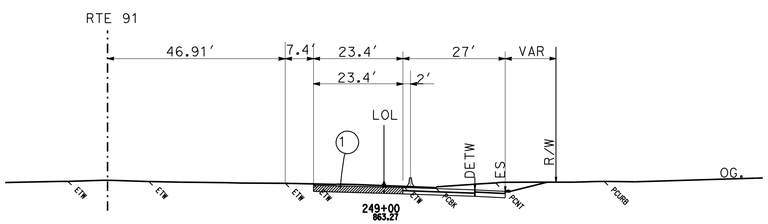
CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE REMAINING PORTION OFF RAMP AT INDIANA AVE.
2. CONSTRUCT PORTION OF DRAINAGE SYSTEM (26) (29)





INDIANA AVE EASTBOUND EXIT RAMP

SECTION A-A

STAGE 3 PHASE 2

STAGE CONSTRUCTION

NO SCALE

SC-29

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: KENT NGUYEN

CHECKED BY: MARK PERTILE

REVISED BY

DATE REVISED

LAST REVISION 03-29-11

DATE PLOTTED => 29-APR-2011

TIME PLOTTED => 19:14

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trphils

DGN FILE => 844840ma029.dgn

CU 08227

EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	469	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

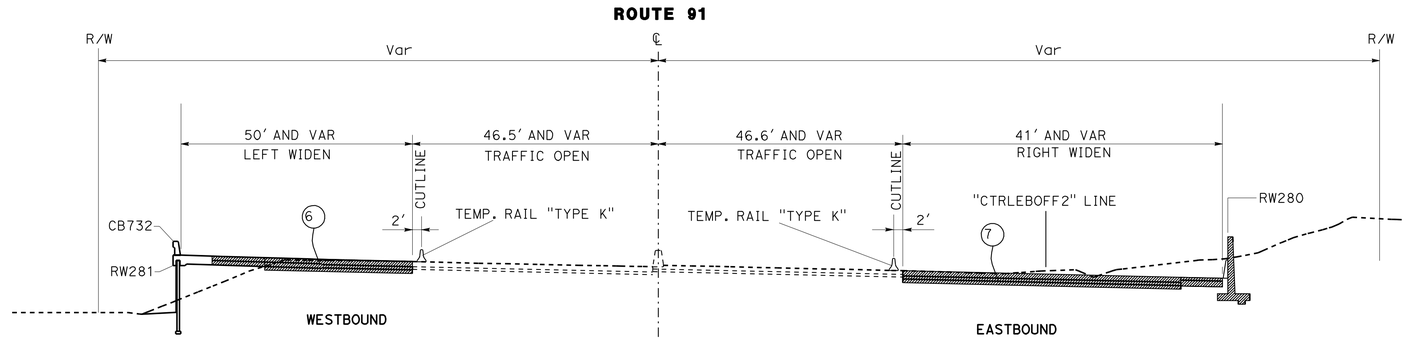
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 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.

LEGEND:

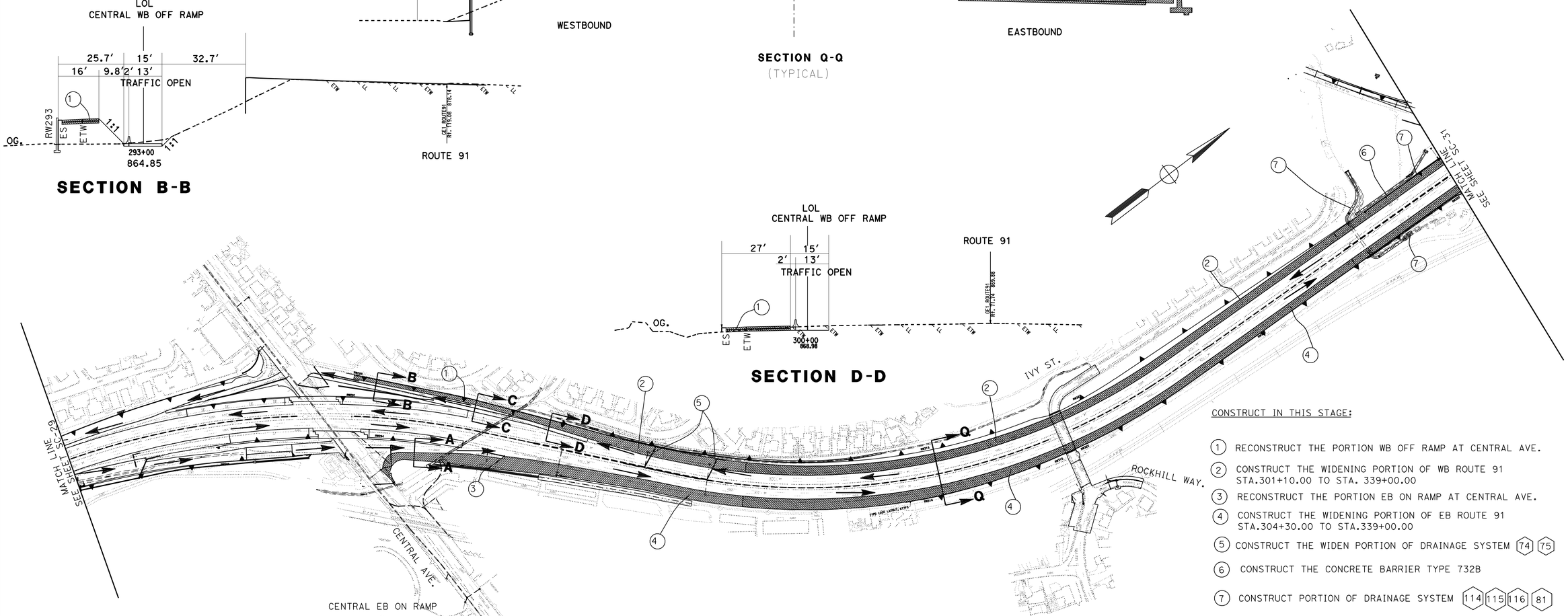
- ROAD WORK
- STRUCTURE WORK
- TEMPORARY PAVEMENT
- ROAD CLOSE
- DIRECTION OF TRAFFIC



SECTION Q-Q
(TYPICAL)

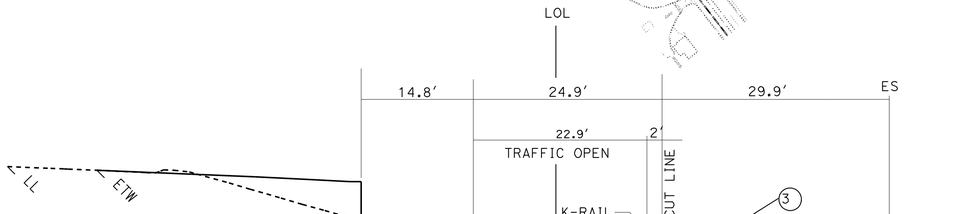
SECTION B-B

SECTION D-D

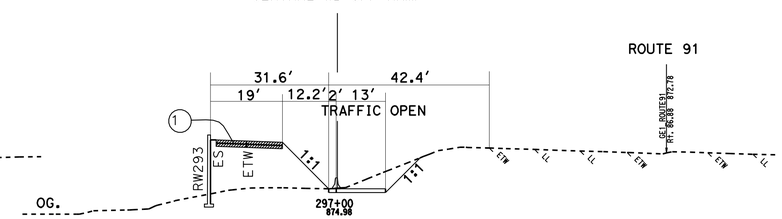


CONSTRUCT IN THIS STAGE:

1. RECONSTRUCT THE PORTION WB OFF RAMP AT CENTRAL AVE.
2. CONSTRUCT THE WIDENING PORTION OF WB ROUTE 91 STA.301+10.00 TO STA. 339+00.00
3. RECONSTRUCT THE PORTION EB ON RAMP AT CENTRAL AVE.
4. CONSTRUCT THE WIDENING PORTION OF EB ROUTE 91 STA.304+30.00 TO STA.339+00.00
5. CONSTRUCT THE WIDEN PORTION OF DRAINAGE SYSTEM 74 75
6. CONSTRUCT THE CONCRETE BARRIER TYPE 732B
7. CONSTRUCT PORTION OF DRAINAGE SYSTEM 114 115 116 81



SECTION A-A



SECTION C-C

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 3 PHASE 2
STAGE CONSTRUCTION
NO SCALE

SC-30

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:14

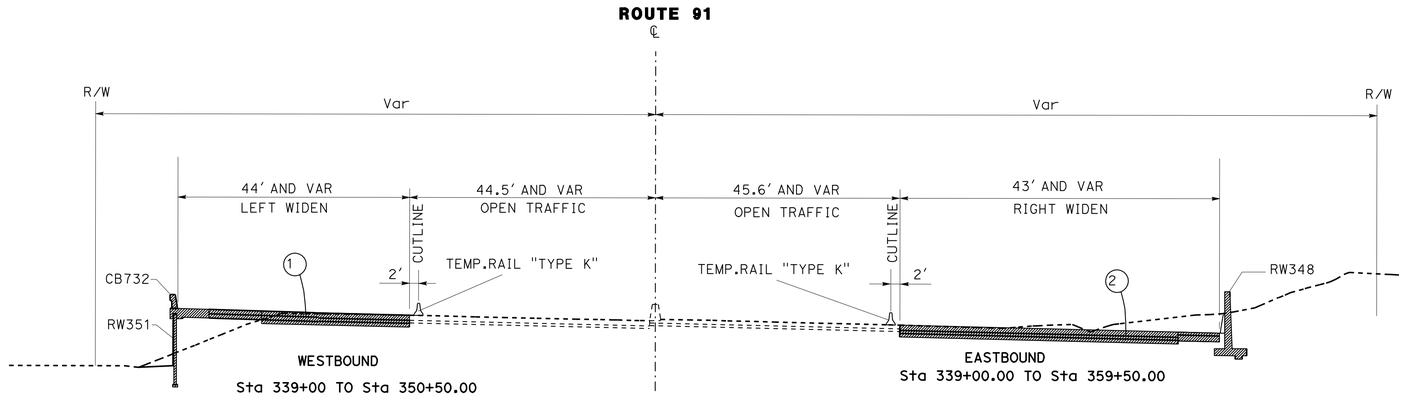
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	470	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

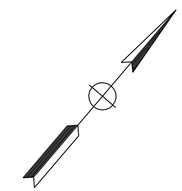
4-25-11
PLANS APPROVAL DATE

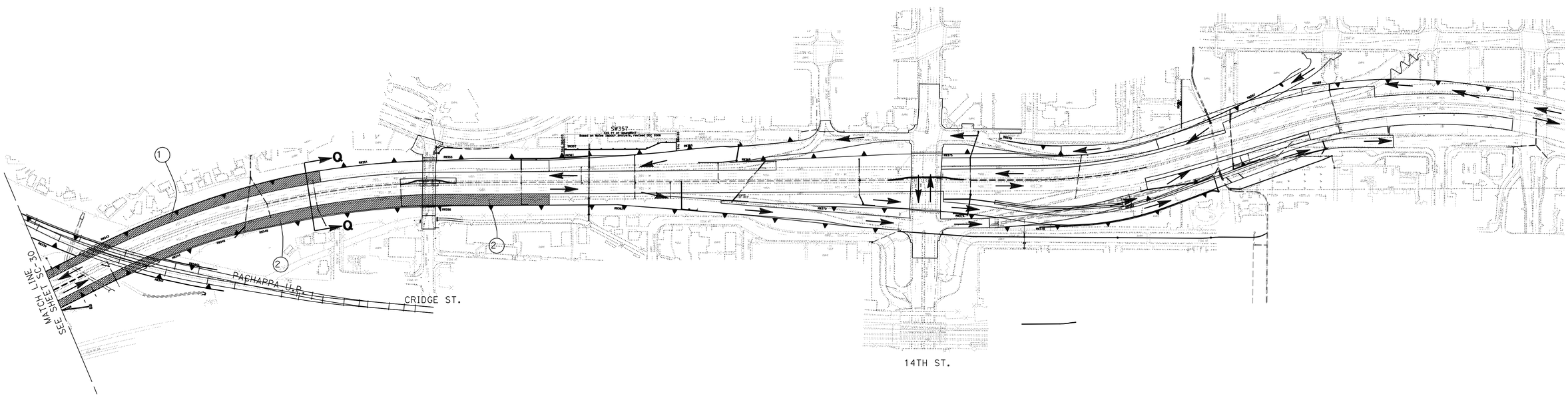
REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
CIVIL
STATE OF CALIFORNIA

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.



SECTION Q-Q
(TYPICAL)





CONSTRUCT IN THIS STAGE:

(1) CONSTRUCT THE WIDENING PORTION OF THE WB ROUTE 91 FROM STA. 339+00.00 TO STA. 350+50.00,

(2) CONSTRUCT THE WIDENING PORTION OF THE EB ROUTE 91 FROM STA. 339+00.00 TO STA. 359+50.00, AND FROM STA. 375+00.00 TO STA. 383+00.00.

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 3 PHASE 2
STAGE CONSTRUCTION
NO SCALE
SC-31

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:14

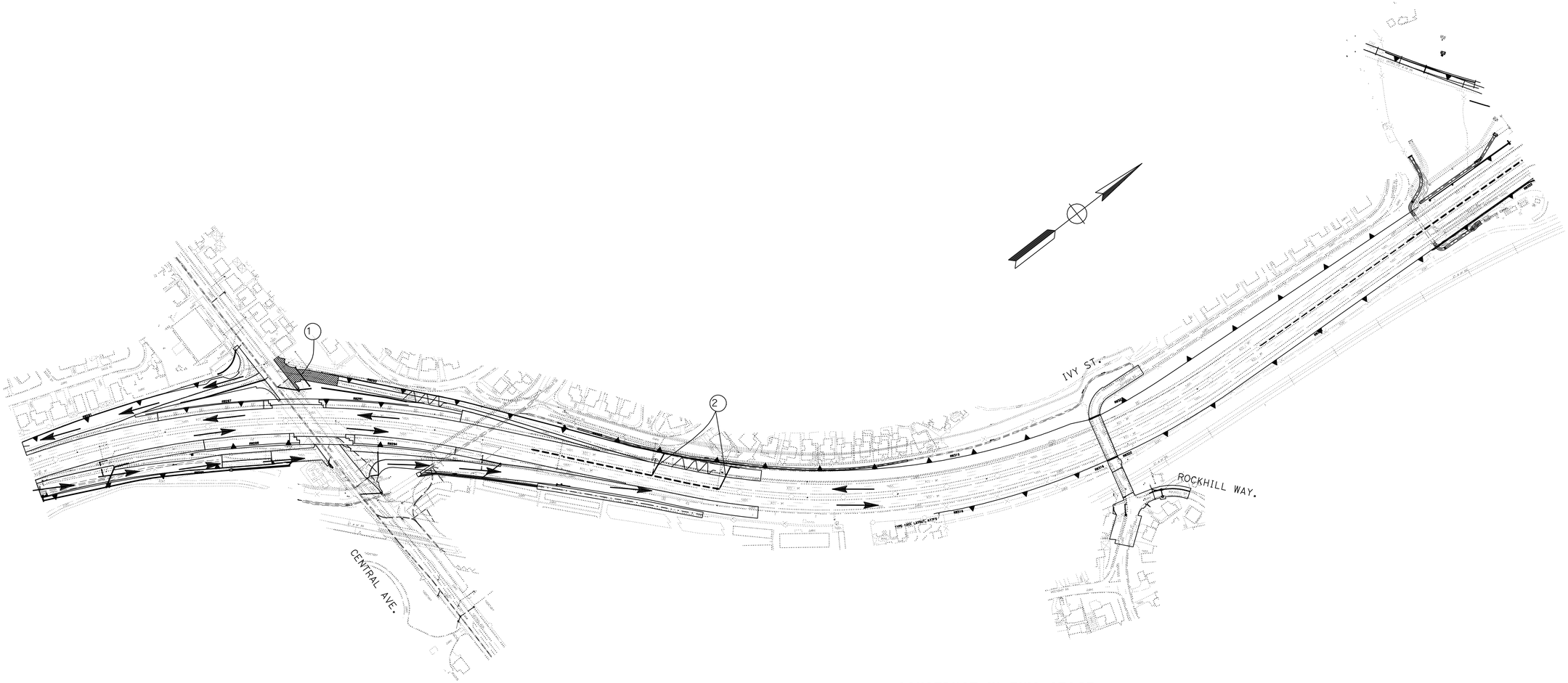
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	471	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
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.



CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE REMAINING PORTION OF THE WB OFF RAMP AT CENTRAL ST. BY TEN DAY CLOSURE. USE RAPID SET CONCRETE.
2. CONSTRUCT THE REMAIN PORTION OF DRAINAGE SYTEM 74 AND 75 BY OVER NIGHT CLOSURE WITH RAPIT SET CONCRETE FOR PAVEMENT.

DETOUR IN THIS STAGE:

STAGE 3 PHASE 2
STAGE CONSTRUCTION
NO SCALE

SC-32

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE

REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:15

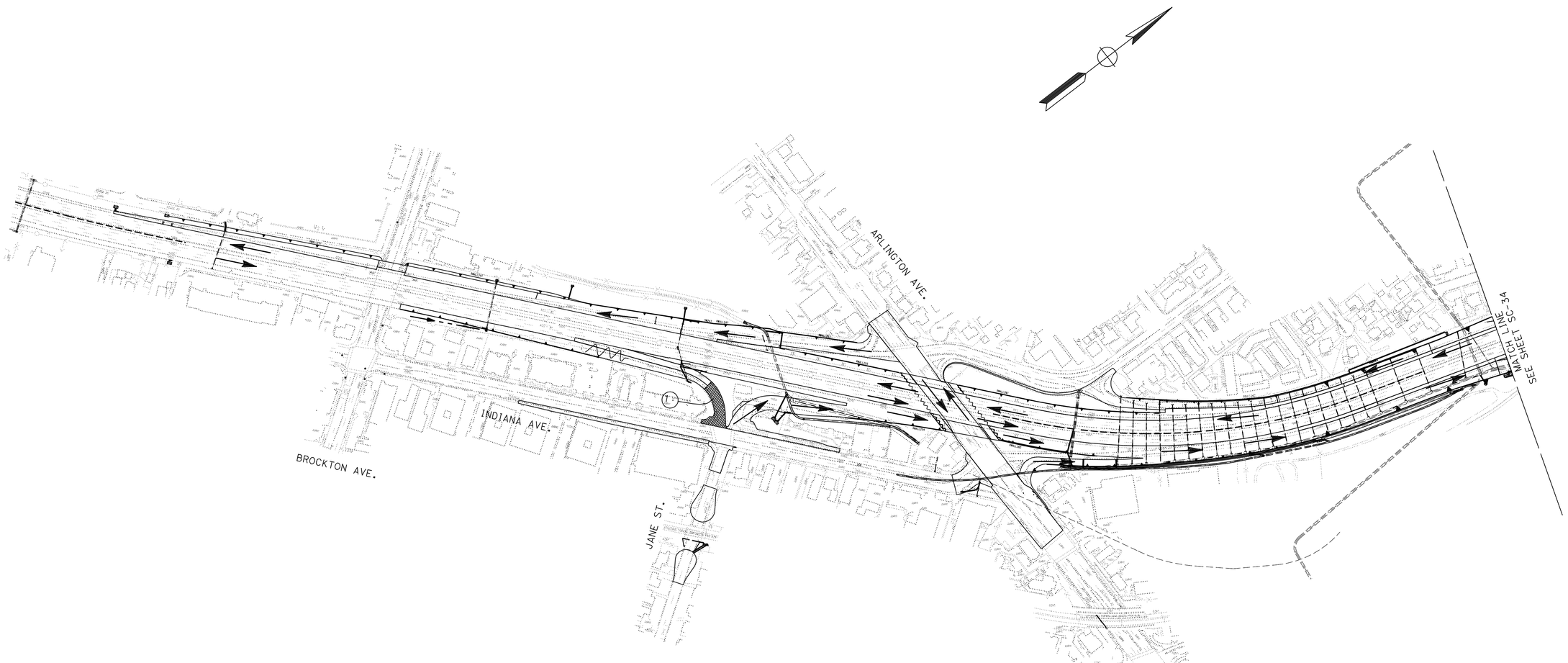
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	472	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
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.



CONSTRUCT IN THIS STAGE:

1. CONSTRUCT THE REMAINING PORTION OFF RAMP AT INDIANA AVE. BY TEN DAY CLOSURE. USE RAPID SET CONCRETE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 3 PHASE 3
STAGE CONSTRUCTION
NO SCALE

SC-33

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:15

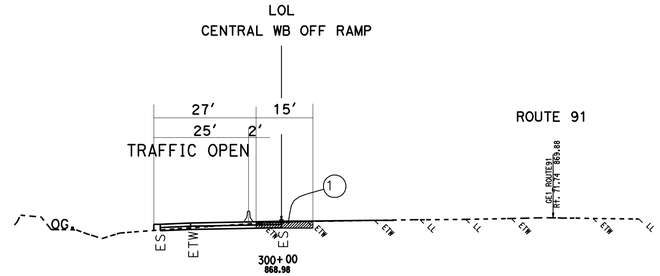
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	473	2028

Mark Pertile 3-29-10
REGISTERED CIVIL ENGINEER DATE

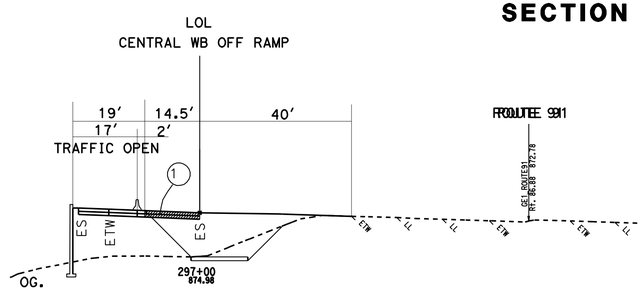
4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARK PERTILE
No. 50395
Exp. 6/30/11
CIVIL
STATE OF CALIFORNIA

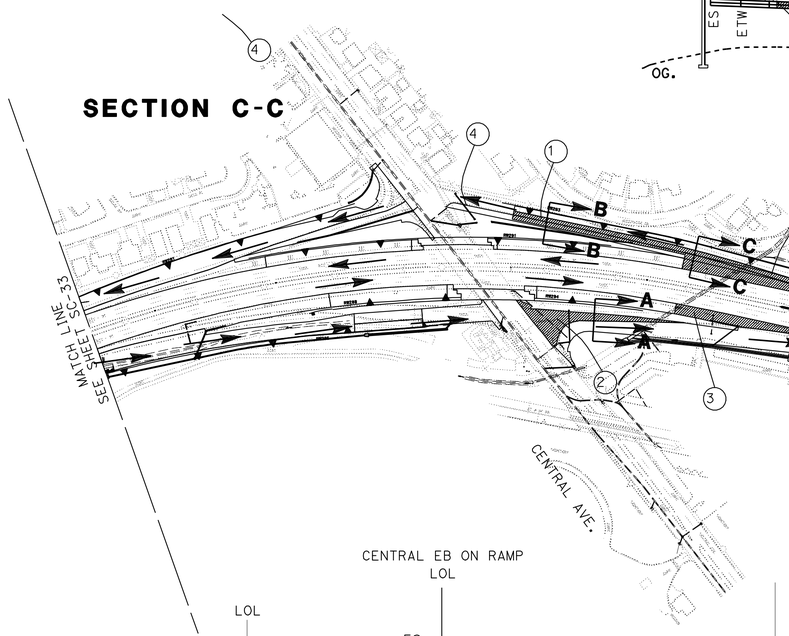
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

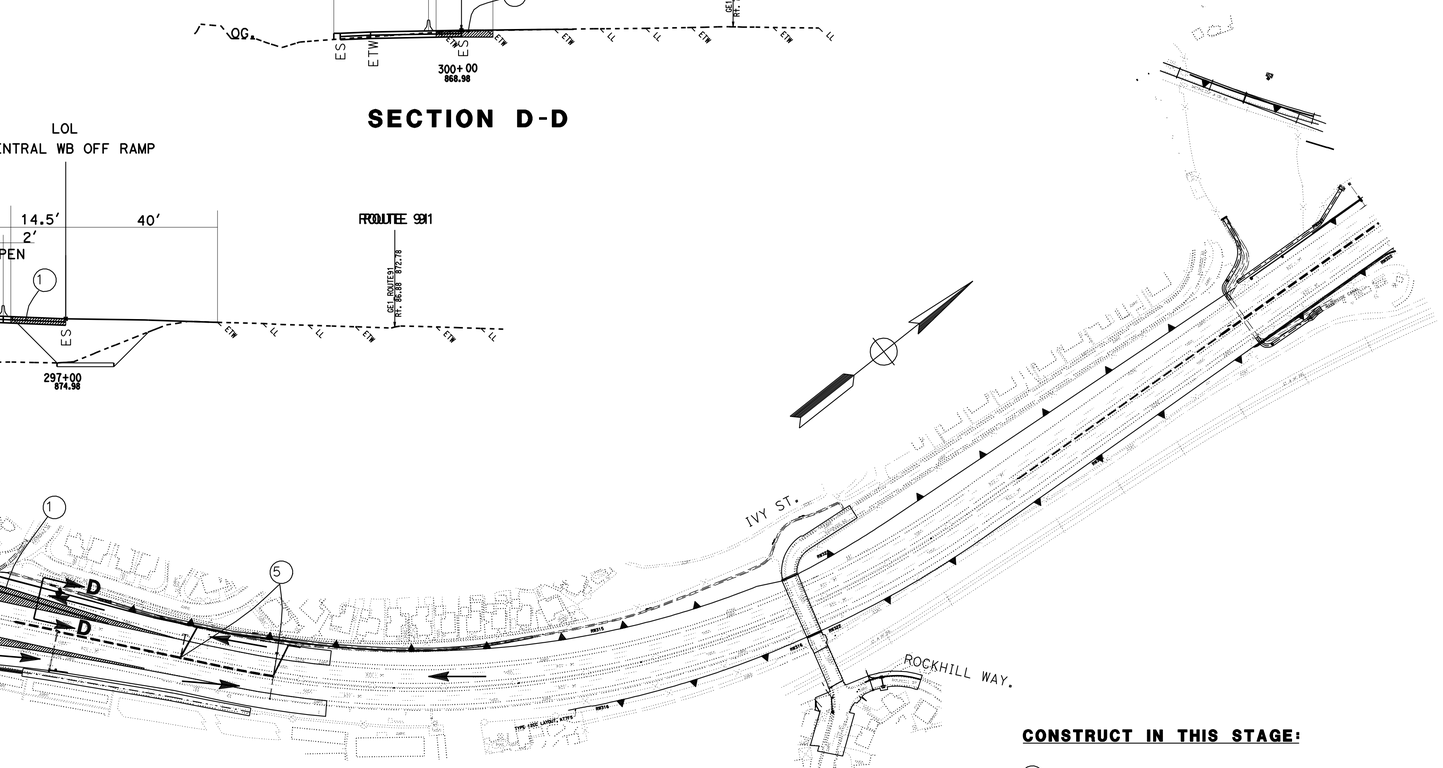


SECTION D-D



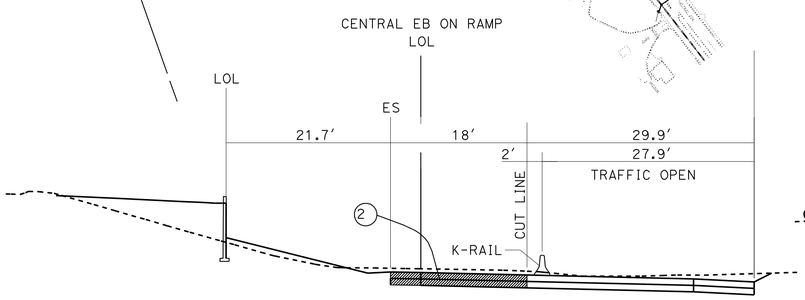
SECTION C-C





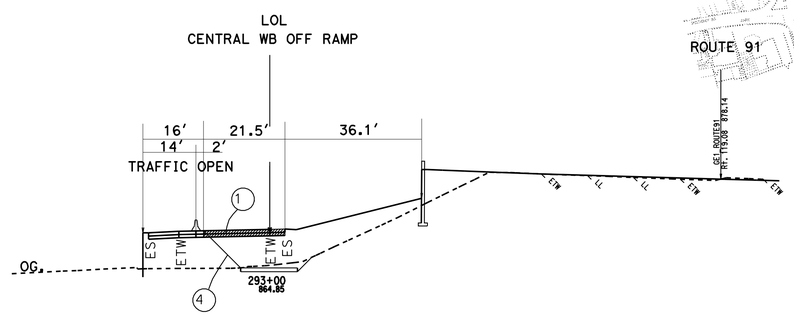
CONSTRUCT IN THIS STAGE:

1. RECONSTRUCT THE REMAINING PORTION WB OFF RAMP AT CENTRAL AVE.
2. RECONSTRUCT THE REMAINING PORTION EB ON RAMP AT CENTRAL AVE.
3. CONSTRUCT THE WIDENING PORTION EB ROUTE 91 FROM STA. 296+80.00 TO STA. 298+60.00
4. TEMPORARY PAVEMENT AT WB CENTRAL OFF RAMP NEED TO BE REMOVE.
5. CONSTRUCT THE MEDIAN PORTION OF DROP INLET FOR DRAINAGE SYSTEM 74 75



SECTION A-A

CTRALEB_ONRAMP (295+00)



SECTION B-B

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE 3 PHASE 3
STAGE CONSTRUCTION
NO SCALE

SC-34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	474	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

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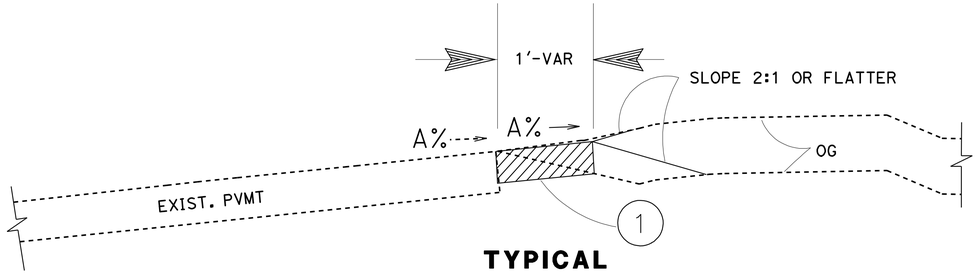
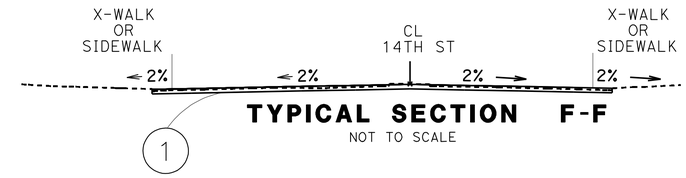
NOTE

1. 4" HMA PAVEMENT. CROSS SLOPE TO MATCH EXISTING
2. USE 14TH ST. PROFILE SEE SHEET PS-28

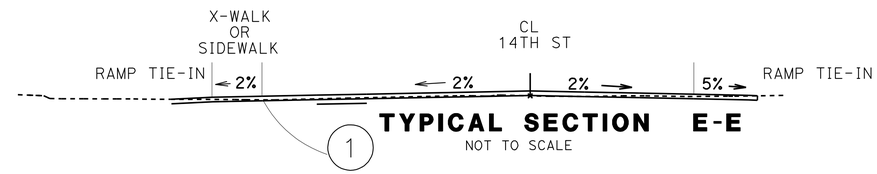
APPROX PAVING LIMITS



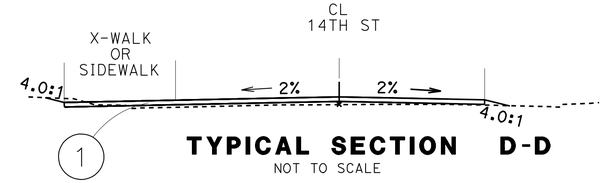
TYPICAL TEMPORARY PAVEMENT DETAIL (REVERSABLE)



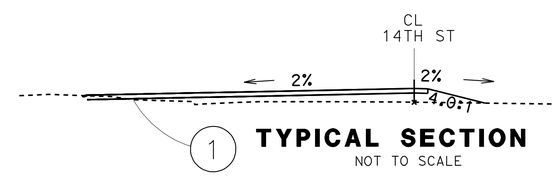
TYPICAL SECTION F-F
NOT TO SCALE



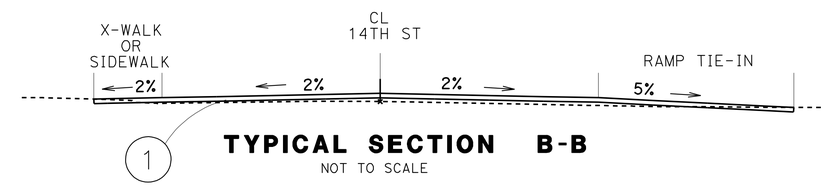
TYPICAL SECTION E-E
NOT TO SCALE



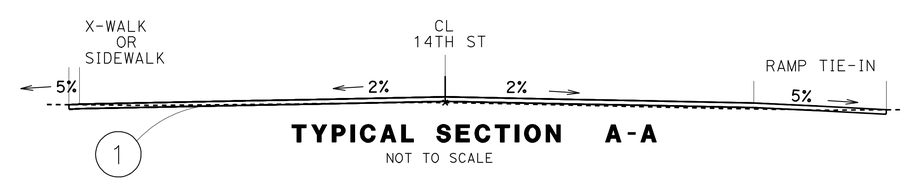
TYPICAL SECTION D-D
NOT TO SCALE



TYPICAL SECTION C-C
NOT TO SCALE



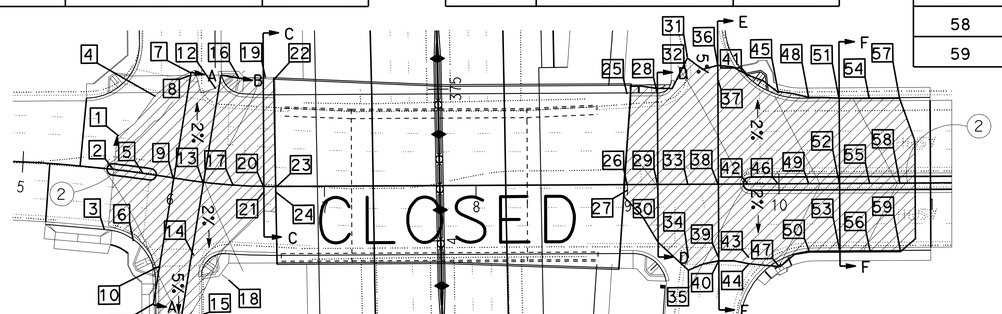
TYPICAL SECTION B-B
NOT TO SCALE



TYPICAL SECTION A-A
NOT TO SCALE

14th ST TEMPORARY PAVEMENT DETAIL TABLE

No.	LOCATION "D14ST2"	ELEVATION	No.	LOCATION "D14ST2"	ELEVATION	No.	LOCATION "D14ST2"	ELEVATION
1	22.50' LT 05+60.00	861.75'	20	0.0' 06+60.00	865.76'	39	48.00' RT 09+60.00	865.14'
2	0.0' 05+60.00	862.20'	21	3' RT 06+60.00	865.70'	40	50.00' RT 09+60.00	865.04'
3	40' RT 05+60.00	861.40'	22	71.50' LT 06+67.85	864.58'	41	72.00' LT 09+80.00	864.08'
4	52.0' LT 05+80.00	861.74'	23	0.0' 06+67.85	866.01'	42	0.00' 09+80.00	865.52'
5	0.0' 05+80.00	862.78'	24	3.00' RT 06+67.85	865.95'	43	48.00' LT 09+80.00	864.56'
6	44.0' RT 05+80.00	861.90'	25	60.50' LT 09+00.00	866.33'	44	52.00' LT 09+80.00	864.36'
7	71.0' LT 06+00.00	862.00'	26	0.0' 09+00.00	867.54'	45	61.00' LT 10+00.00	863.71'
8	69.0' LT 06+00.00	862.10'	27	1.50' RT 09+00.00	867.51'	46	0.00' 10+00.00	864.93'
9	0.0' 06+00.00	863.48'	28	60.50' LT 09+20.00	865.93'	47	54.00' RT 10+00.00	863.85'
10	58.20' RT 06+00.00	862.32'	29	0.00' 09+20.00	867.14'	48	57.65' LT 10+20.00	863.12'
11	83.20' RT 06+00.00	861.07'	30	32' RT 09+20.00	866.50'	49	0.00' 10+20.00	864.27'
12	63.00' LT 06+20.00	863.03'	31	84.00' LT 09+40.00	864.56'	50	44.50' RT 10+20.00	863.38'
13	0.0' 06+20.00	864.29'	32	70.00' LT 09+40.00	865.26'	51	57.00' LT 10+40.00	862.43'
14	48.00' RT 06+20.00	863.33'	33	0.00' 09+40.00	866.66'	52	0.00' 10+40.00	863.57'
15	91.00' RT 06+20.00	861.18'	34	48.00' RT 09+40.00	865.70'	53	44.50' RT 10+40.00	862.68'
16	71.00' LT 06+40.00	861.65'	35	56.00' RT 09+40.00	865.30'	54	56.75' LT 10+60.00	861.68'
17	0.0' 06+40.00	865.07'	36	79.00' LT 09+60.00	864.25'	55	0.00' 10+60.00	862.82'
18	62.00' RT 06+40.00	863.83'	37	70.00' LT 09+60.00	864.70'	56	44.50' LT 10+60.00	861.93'
19	72.00' LT 06+60.00	864.32'	38	0.00' 09+60.00	866.10'	57	56.75' LT 10+80.00	860.88'
						58	0.00' 10+80.00	862.01'
						59	44.50' RT 10+80.00	861.12'



14TH ST TEMPORARY PAVEMENT TIE-IN

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY.

STAGE CONSTRUCTION DETAILS
NO SCALE

SCD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE
CALCULATED-DESIGNED BY: KENT NGUYEN
CHECKED BY: MARK PERTILE
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:15

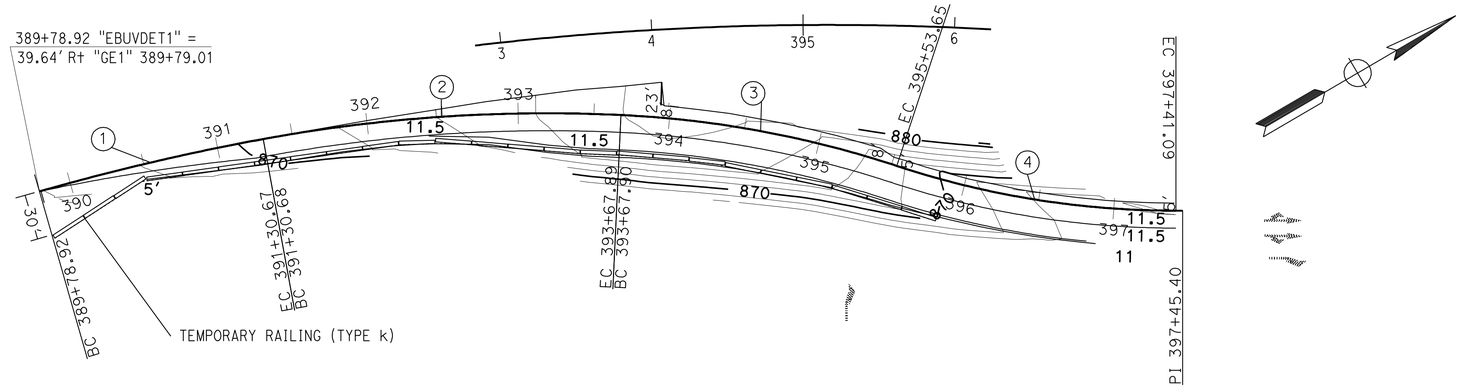
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	475	2028

Mark Pertile 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

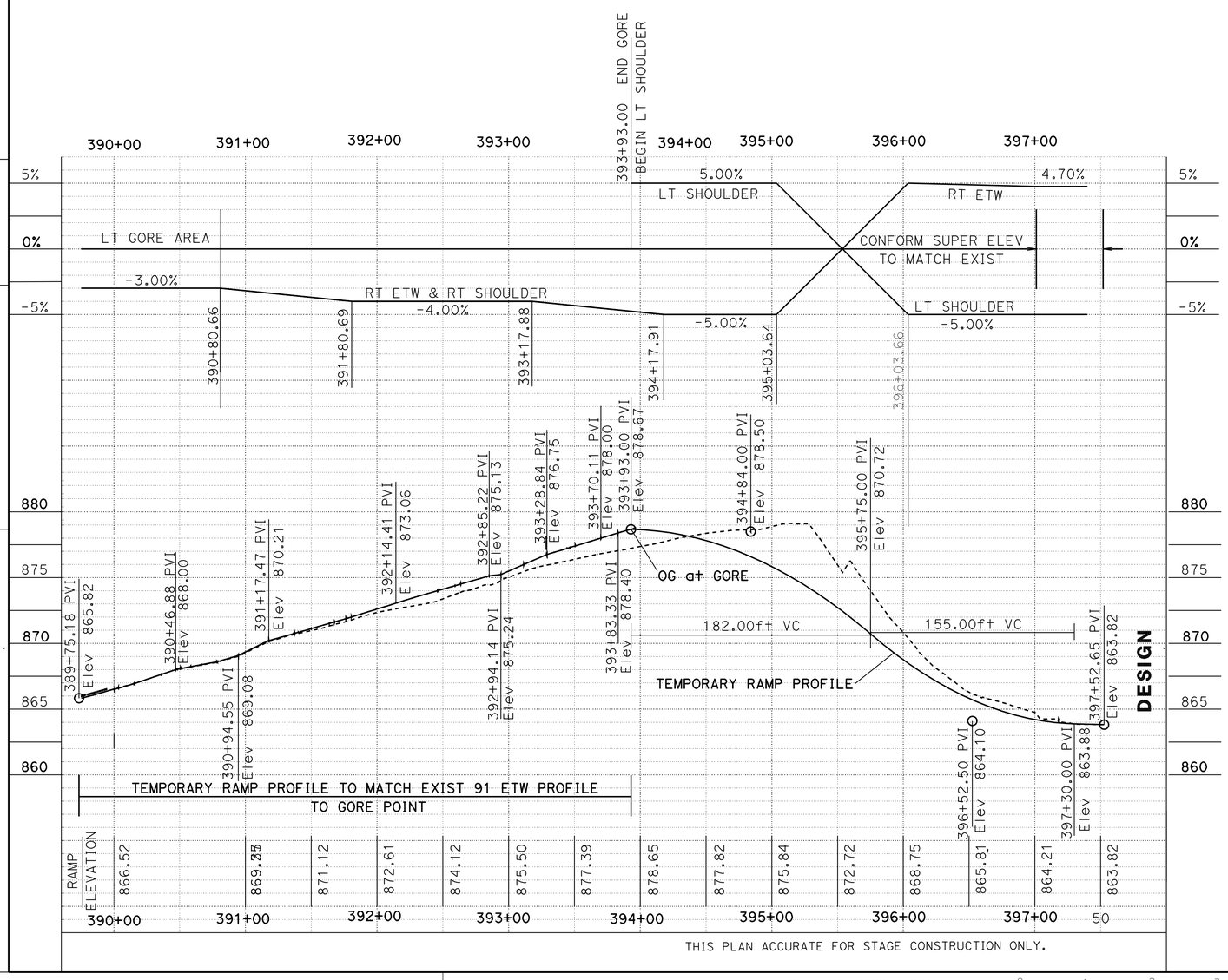
REGISTERED PROFESSIONAL ENGINEER MARK PERTILE No. 50395 Exp. 6/30/11 CIVIL STATE OF CALIFORNIA

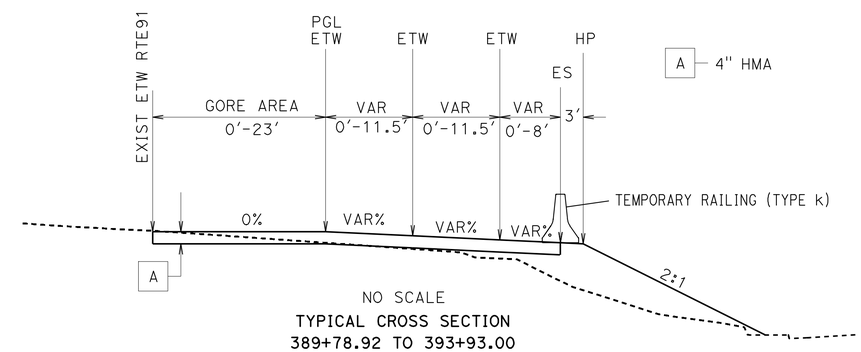
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

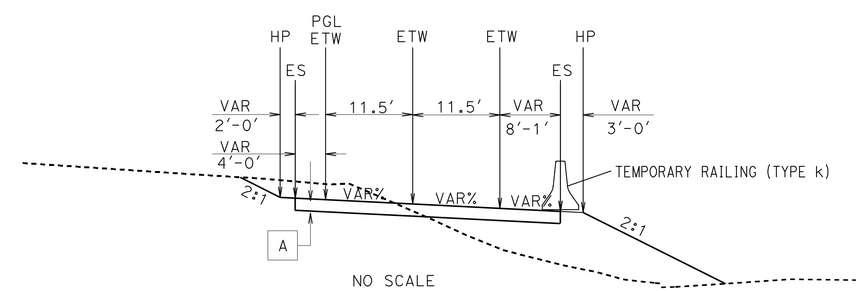


CURVE DATA

NO.	R	Δ	T	L
1	1560.00'	5°34'24.15"	75.93'	151.75'
2	1039.74'	13°04'19.37"	119.13'	237.22'
3	684.75'	15°32'33.26"	93.45'	185.75'
4	588.34'	-18°15'12.84"	94.52'	187.44'







STAGE CONSTRUCTION DETAILS

NO SCALE

SCD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: MARK PERTILE

CALCULATED-DESIGNED BY: KENT NGUYEN

CHECKED BY: MARK PERTILE

REVISED BY / DATE REVISED

LAST REVISION 12-01-10

DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	476	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

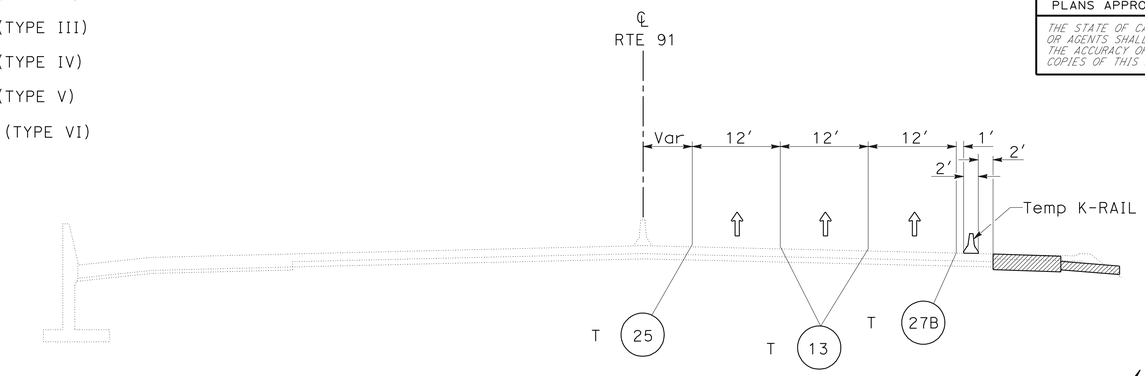
REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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.

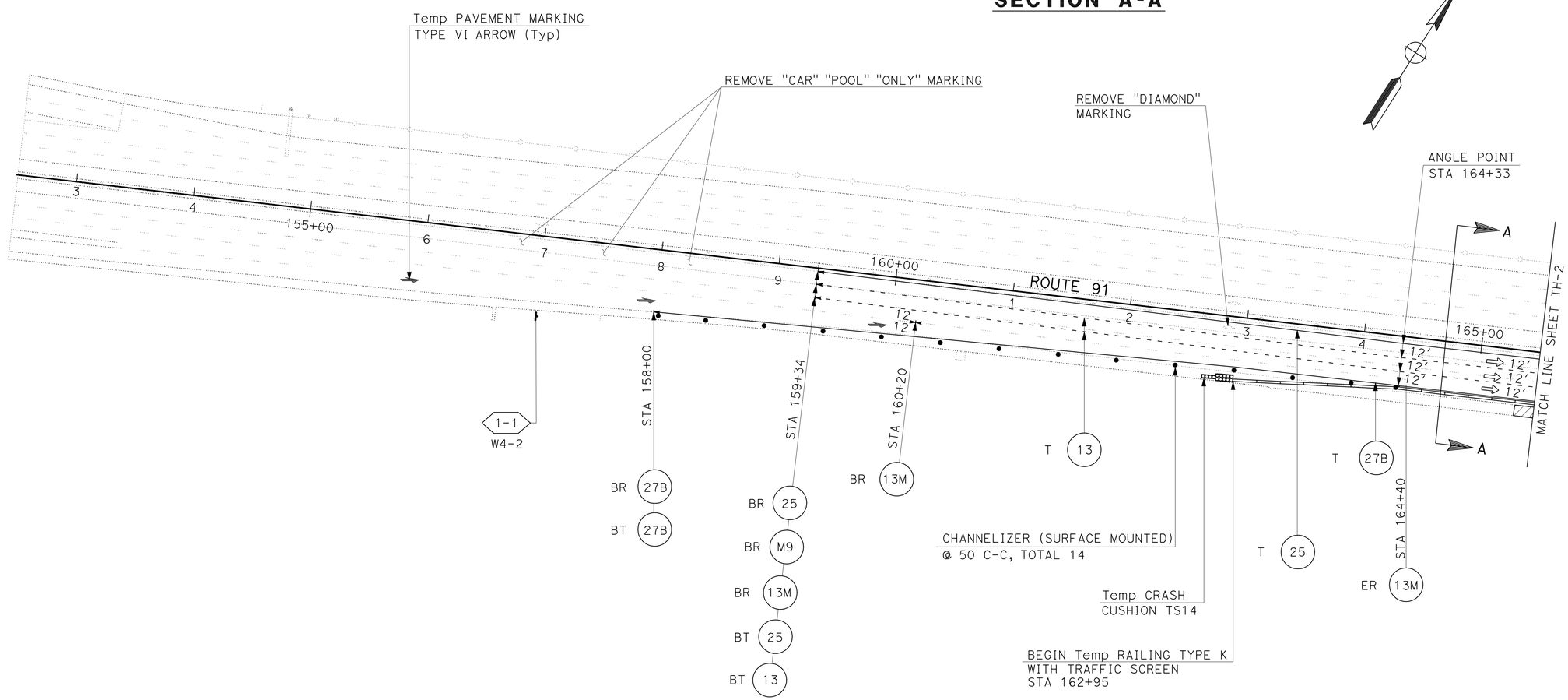
LEGEND:

- BT (XX) BEGIN TEMPORARY TRAFFIC STRIPE
- ET (XX) END TEMPORARY TRAFFIC STRIPE
- BR (XX) BEGIN REMOVE PAVEMENT DELINEATION
- ER (XX) END REMOVE PAVEMENT DELINEATION
- T (XX) TEMPORARY TRAFFIC STRIPE (PAINT)
- CHANGE STRIPING DETAIL
- WORK AREA
- TEMPORARY CRASH CUSHION
- TEMPORARY RAILING TYPE K
- DIRECTION OF TRAVEL
- (X-X) TRAFFIC HANDLING SIGN
- TEMPORARY PAVEMENT MARKER (TYPE II)
- TEMPORARY PAVEMENT MARKER (TYPE III)
- TEMPORARY PAVEMENT MARKER (TYPE IV)
- TEMPORARY PAVEMENT MARKER (TYPE V)
- TEMPORARY PAVEMENT MARKING (TYPE VI)

NOTE: ALL CONFLICT PAVEMENT DELINEATION SHALL BE REMOVED OR AS INSTRUCTED BY THE ENGINEER



SECTION A-A



STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN

SCALE: 1"=50′

TH-1

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	477	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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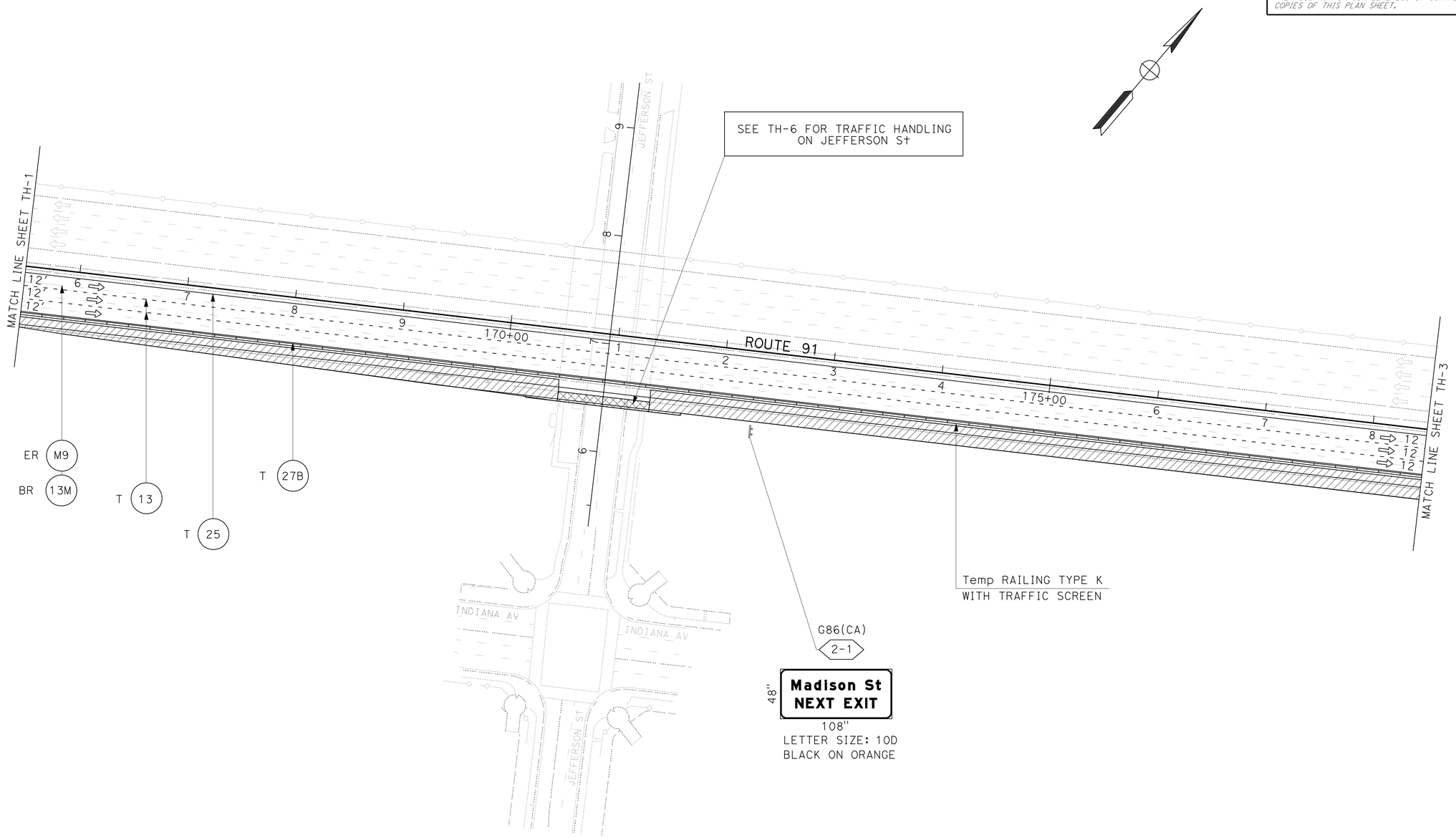

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1" = 50'

TH-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

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CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:16

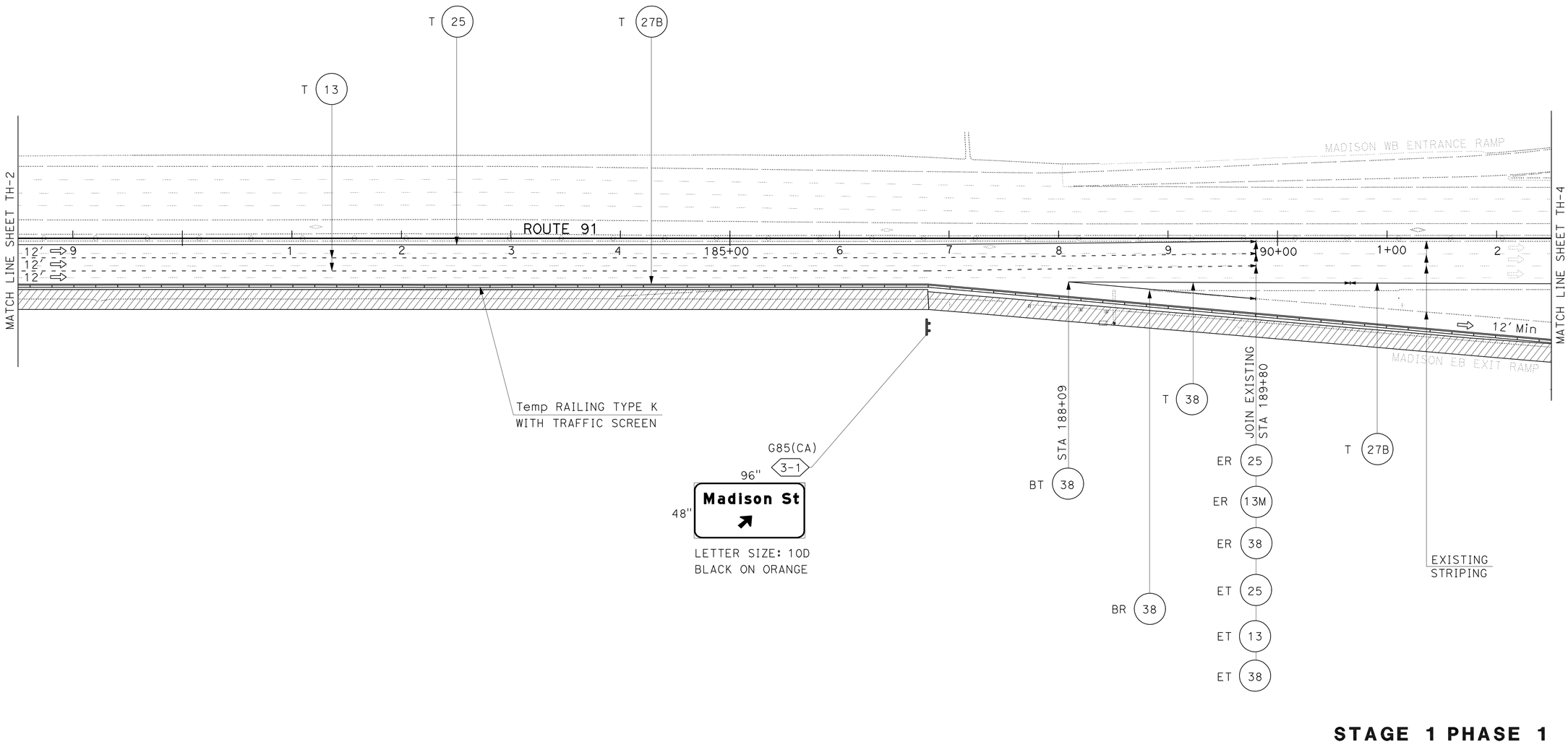
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	478	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
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.



STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-3

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	479	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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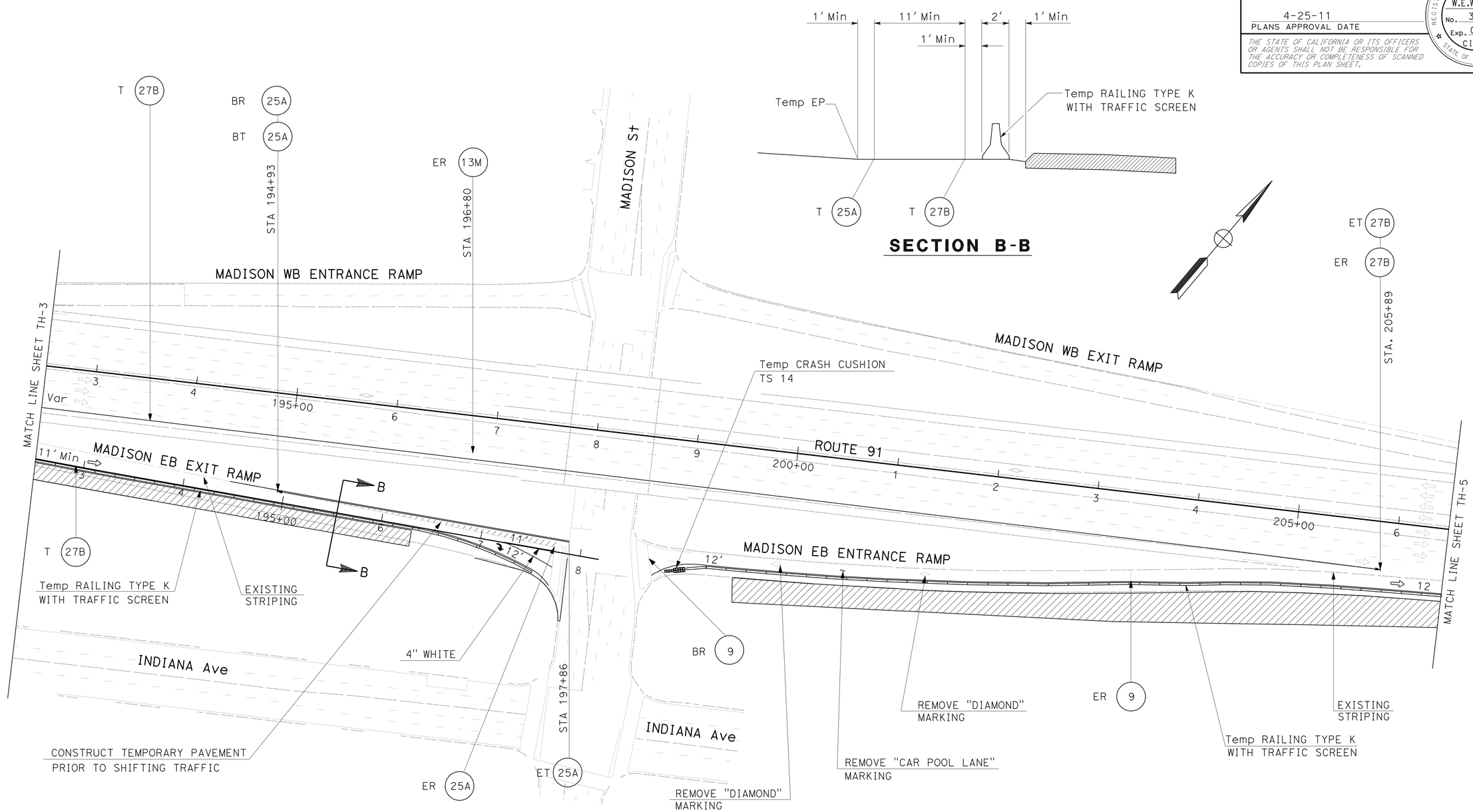


STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-4

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: W.E.WASSER
DEAN TO: W.E.WASSER
REVISED BY / DATE REVISED
CALCULATED-DESIGNED BY / CHECKED BY

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:16

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trphils
DGN FILE => 844840md004.dgn
CU 08380
EA 448401

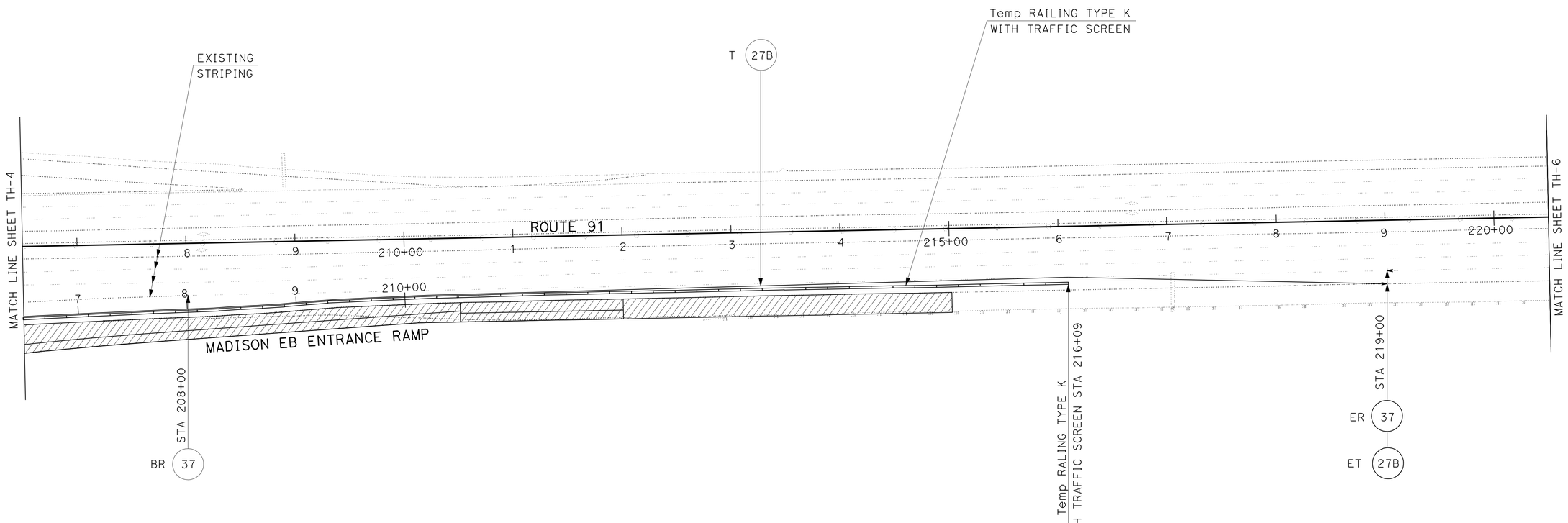
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	480	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 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.



STAGE 1 PHASE 1

TRAFFIC HANDLING PLAN

SCALE: 1"=50'

TH-5

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER

FUNCTIONAL SUPERVISOR: W.E.WASSER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:16

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trphils | DGN FILE => 844840md005.dgn | CU 08380 | EA 448401

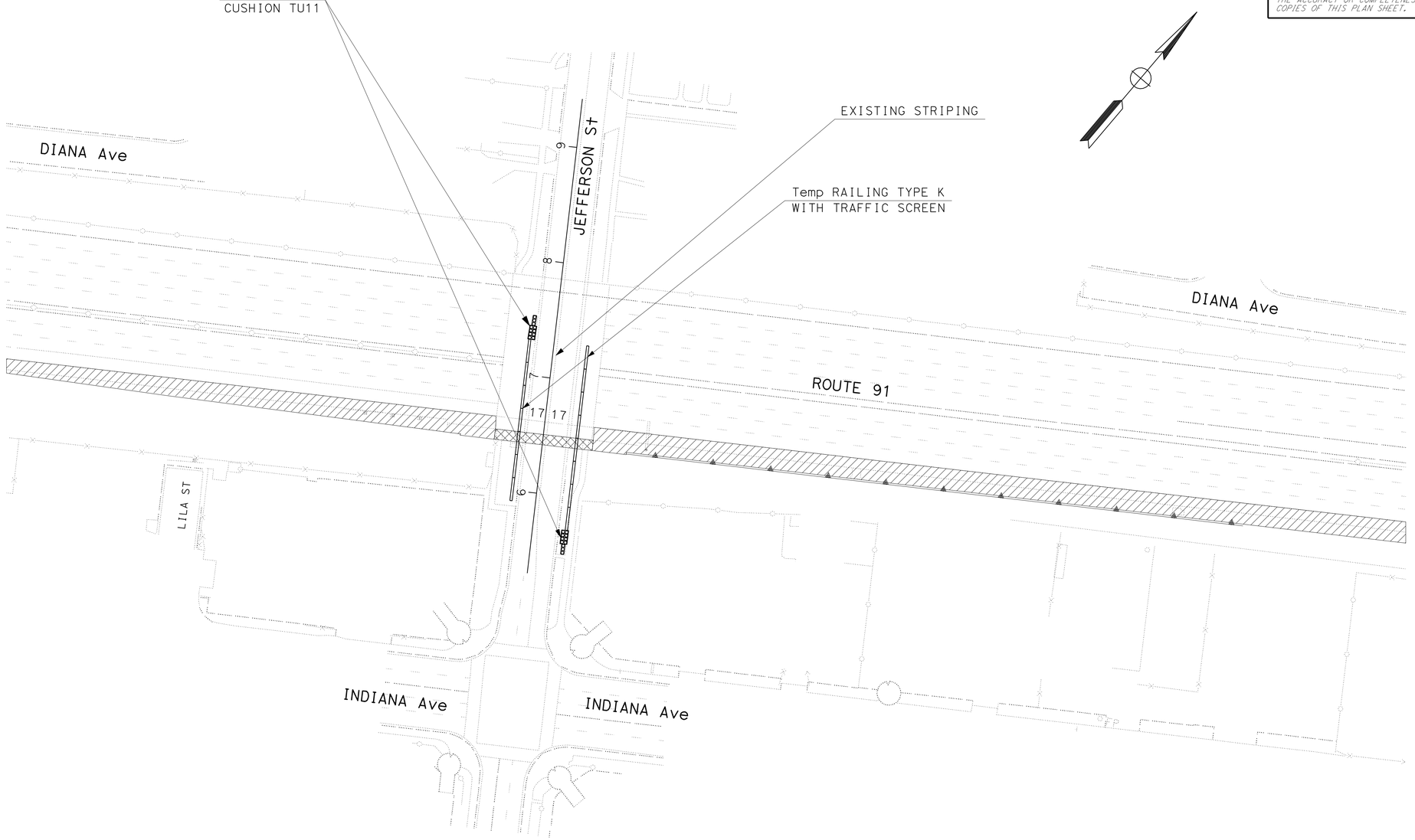
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	481	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
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.



STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-6

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:16

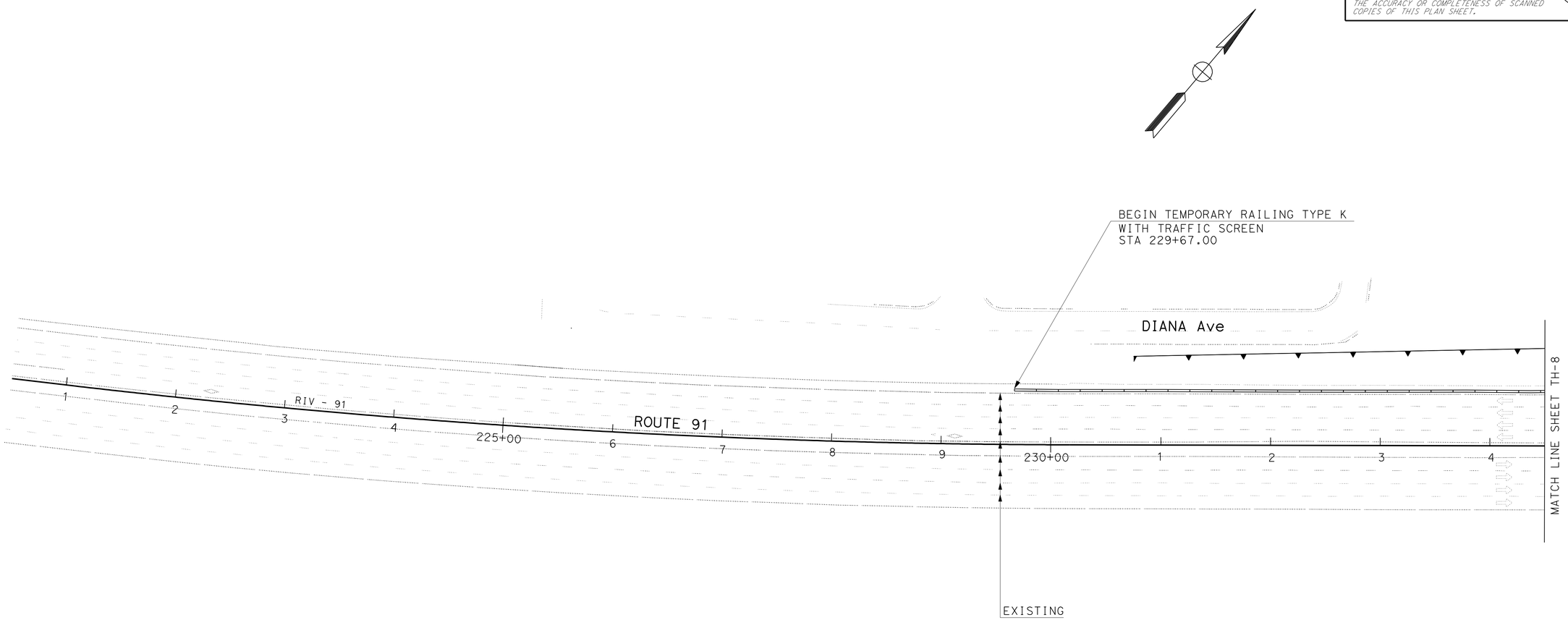
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	482	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
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.



STAGE 1 PHASE 1

TRAFFIC HANDLING PLAN

SCALE: 1"=50'

TH-7

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER

CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER

REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:16

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trphils
DGN FILE => 844840md007.dgn
CU 08380
EA 448401

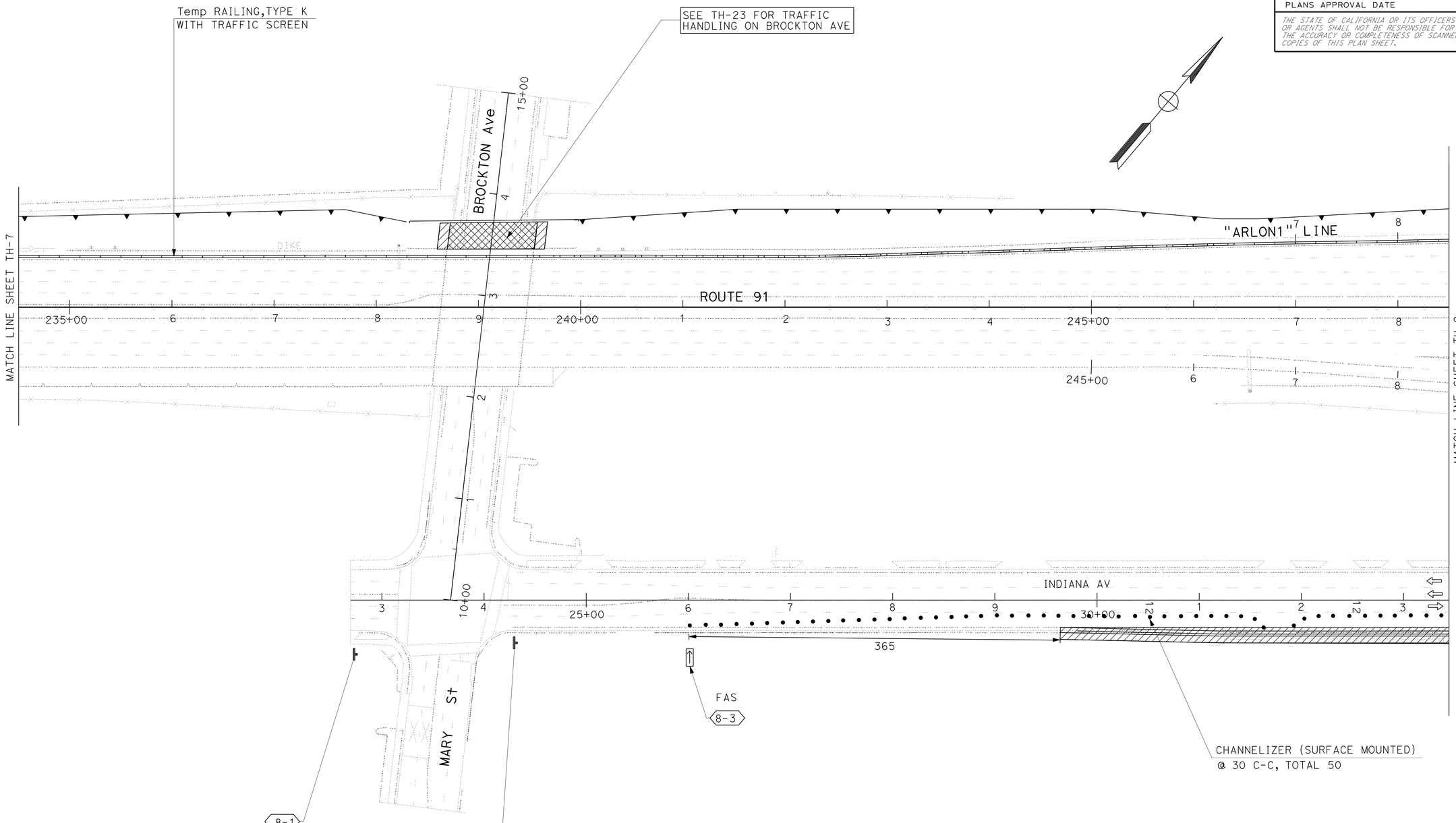
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	483	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
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.



STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-8

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

REVISED BY	DATE REVISED

DEAN TO — W.E.WASSER

CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR — W.E.WASSER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:16

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trphils | DGN FILE => 844840md008.dgn | CU 08380 | EA 448401

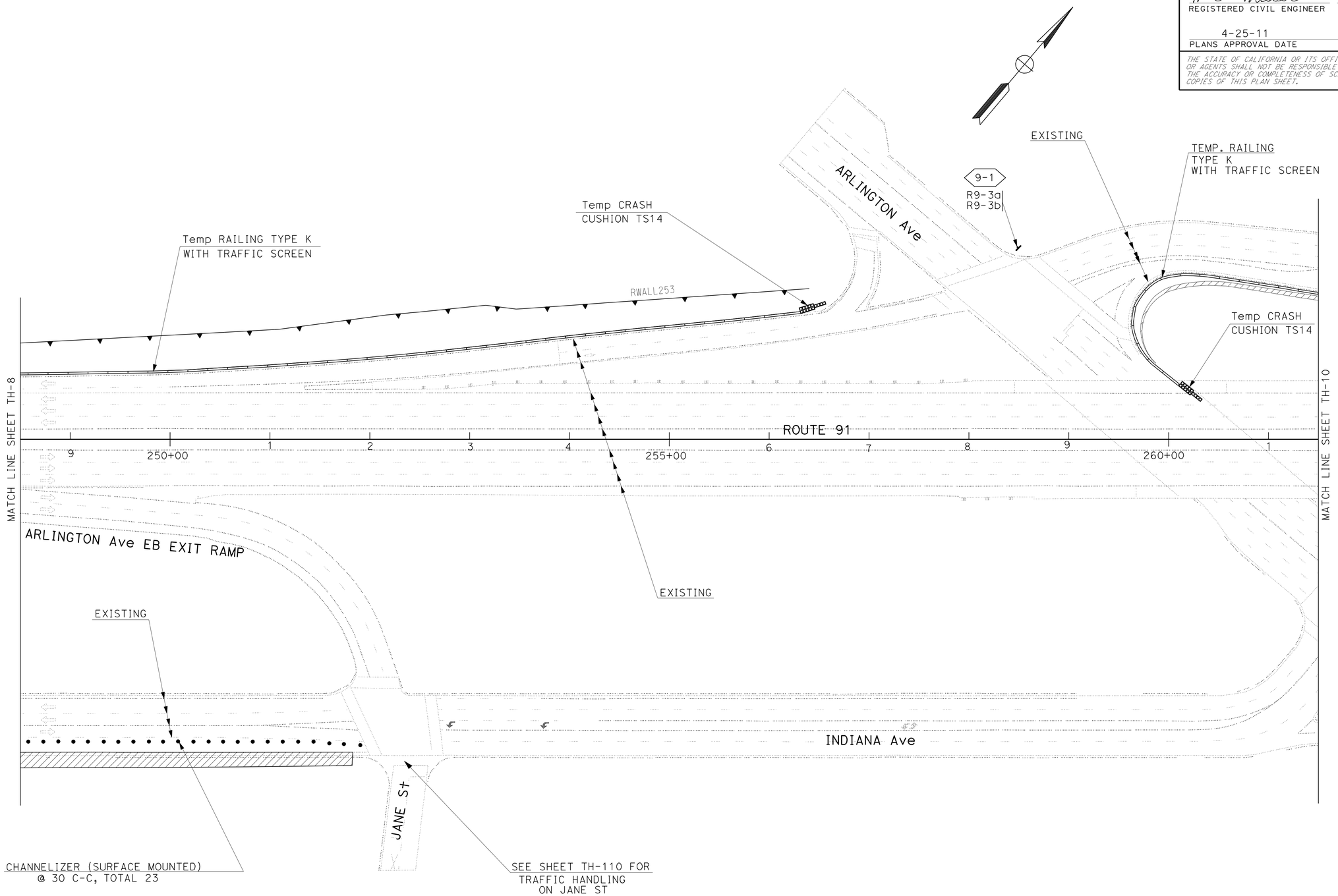
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	484	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 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.



STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-9

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:16

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trphils
DGN FILE => 844840md009.dgn
CU 08380
EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	485	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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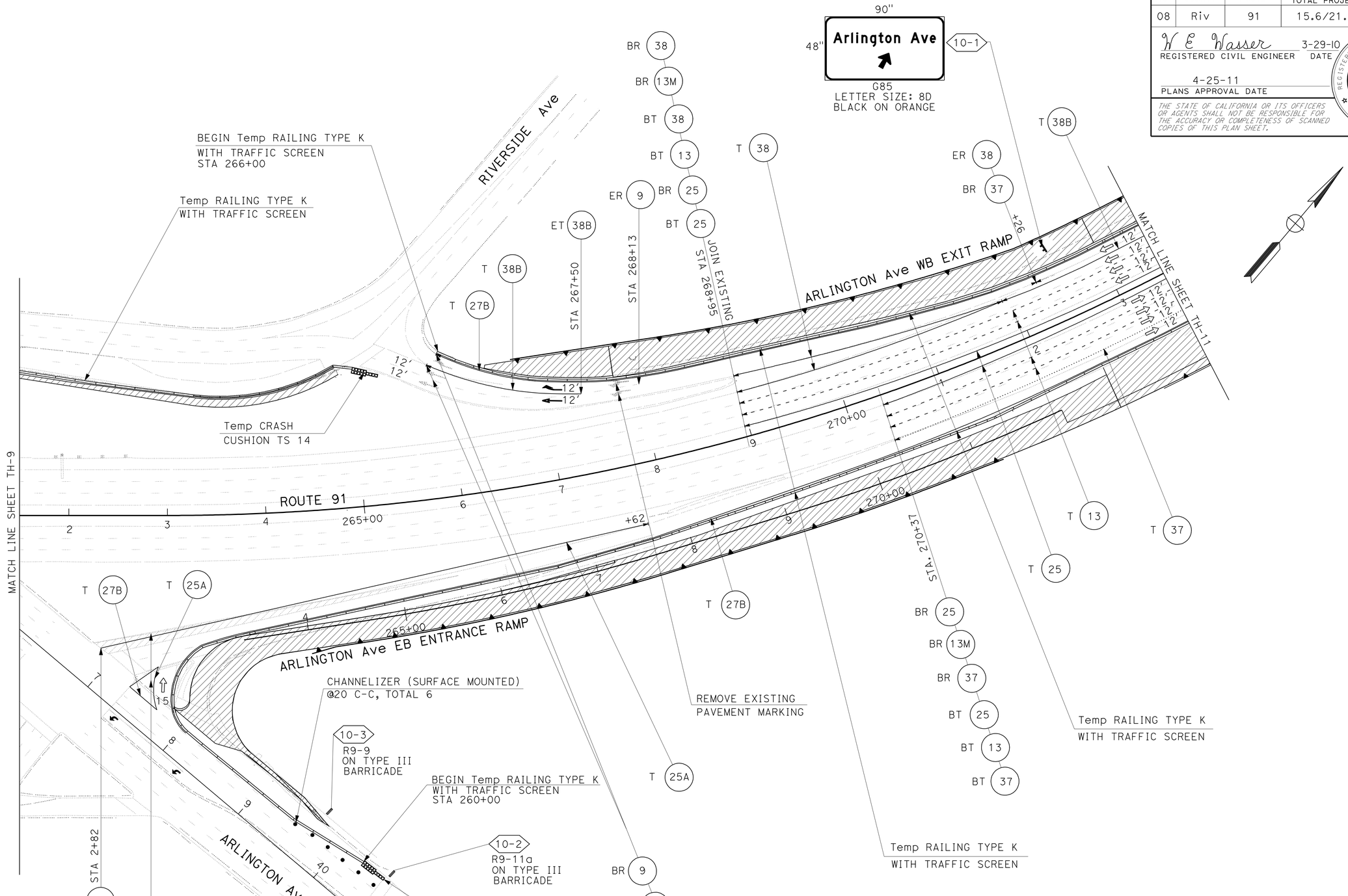

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-10

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

REVISED BY	DATE REVISED
DEAN TO	W.E.WASSER

CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR W.E.WASSER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:16

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trphils
DGN FILE => 844840md010.dgn
CU 08380
EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	486	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

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W.E.WASSER
No. 37378
Exp. 06-30-12
CIVIL
STATE OF CALIFORNIA

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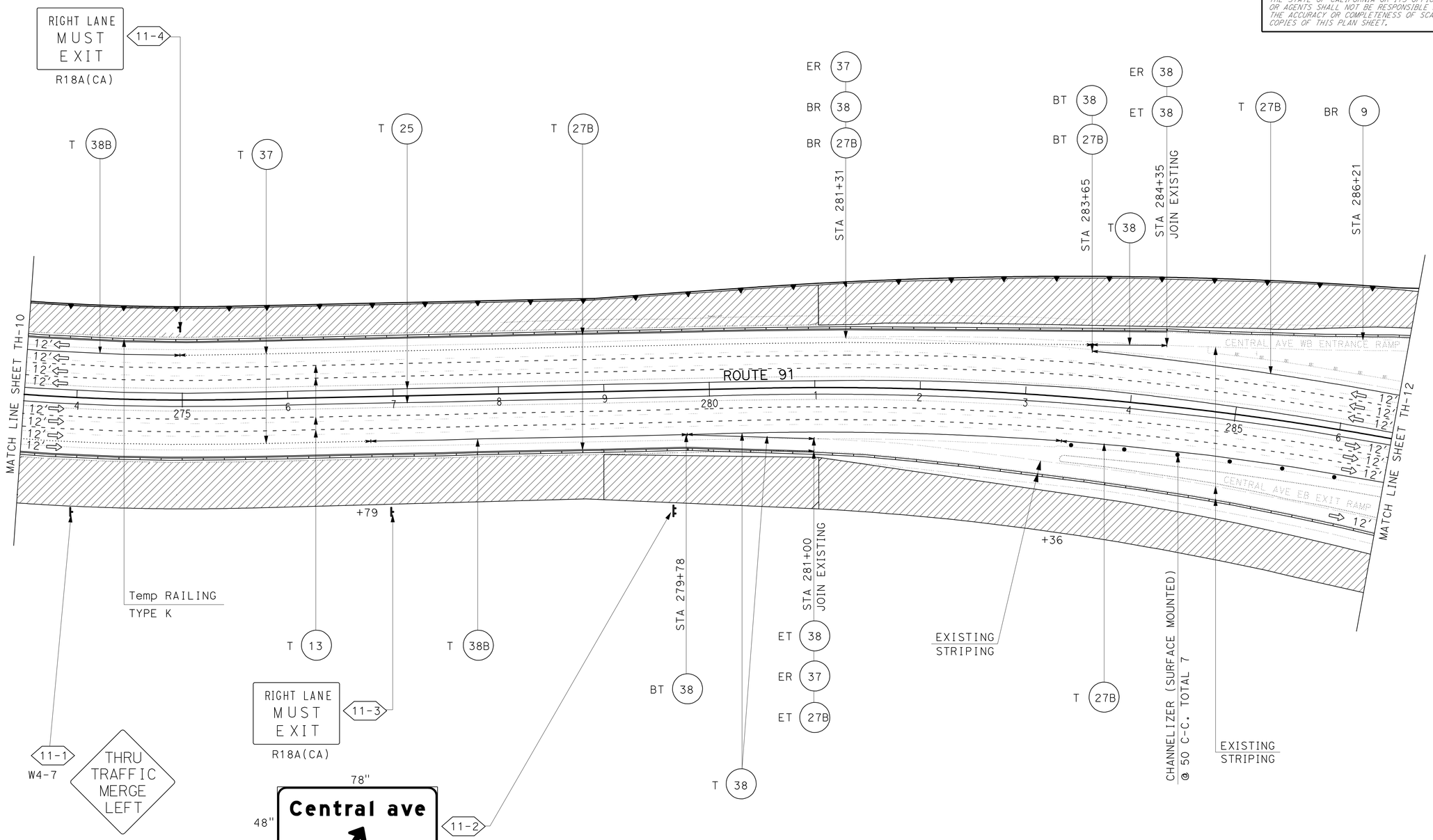

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-11

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
DEAN TO	W.E.WASSER

FUNCTIONAL SUPERVISOR: W.E.WASSER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	487	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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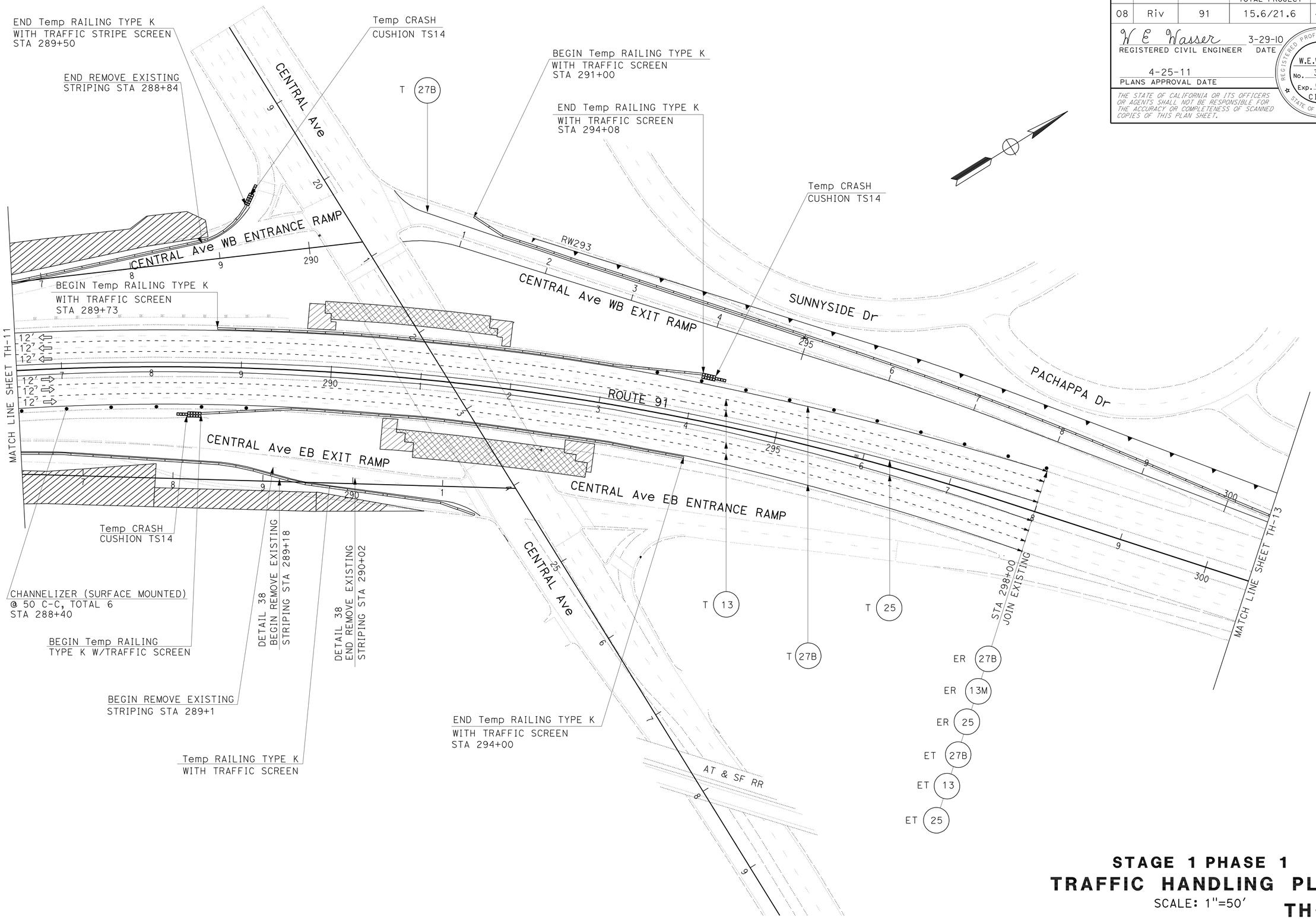

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	488	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
CIVIL
STATE OF CALIFORNIA

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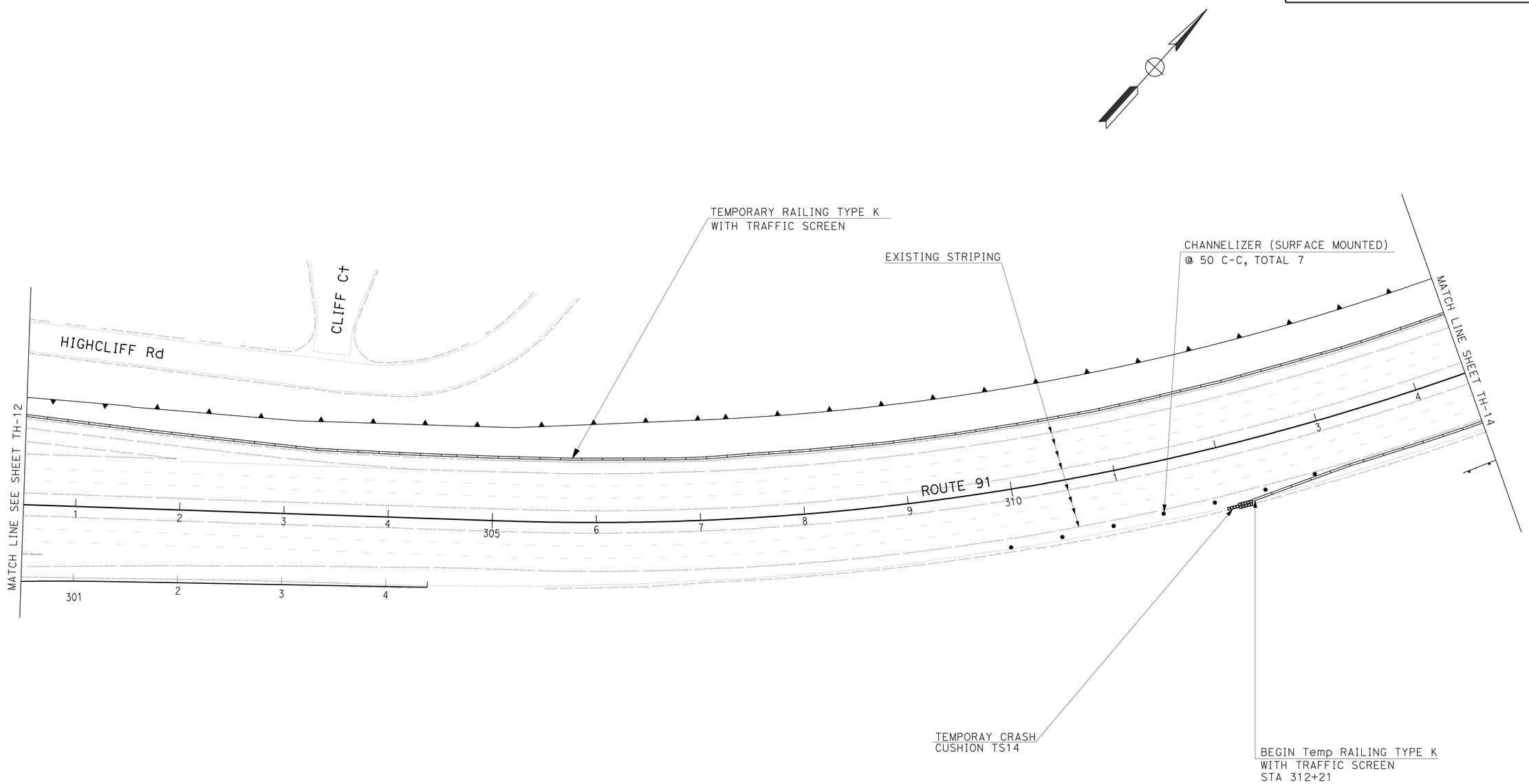

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1" = 50'

TH-13

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:17

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trphils
DGN FILE => 844840md013.dgn
CU 08380
EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	489	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
CIVIL
STATE OF CALIFORNIA

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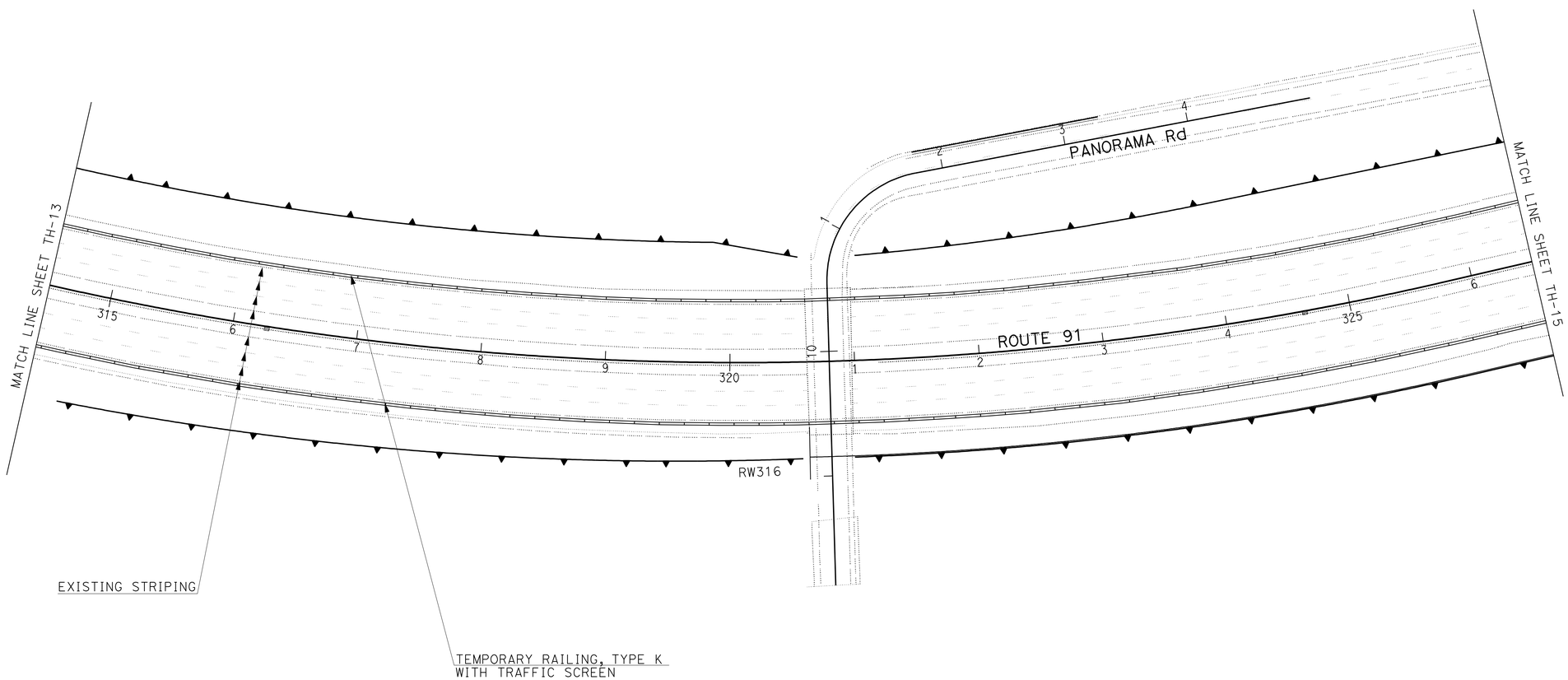

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1" = 50'

TH-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	490	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
CIVIL
STATE OF CALIFORNIA

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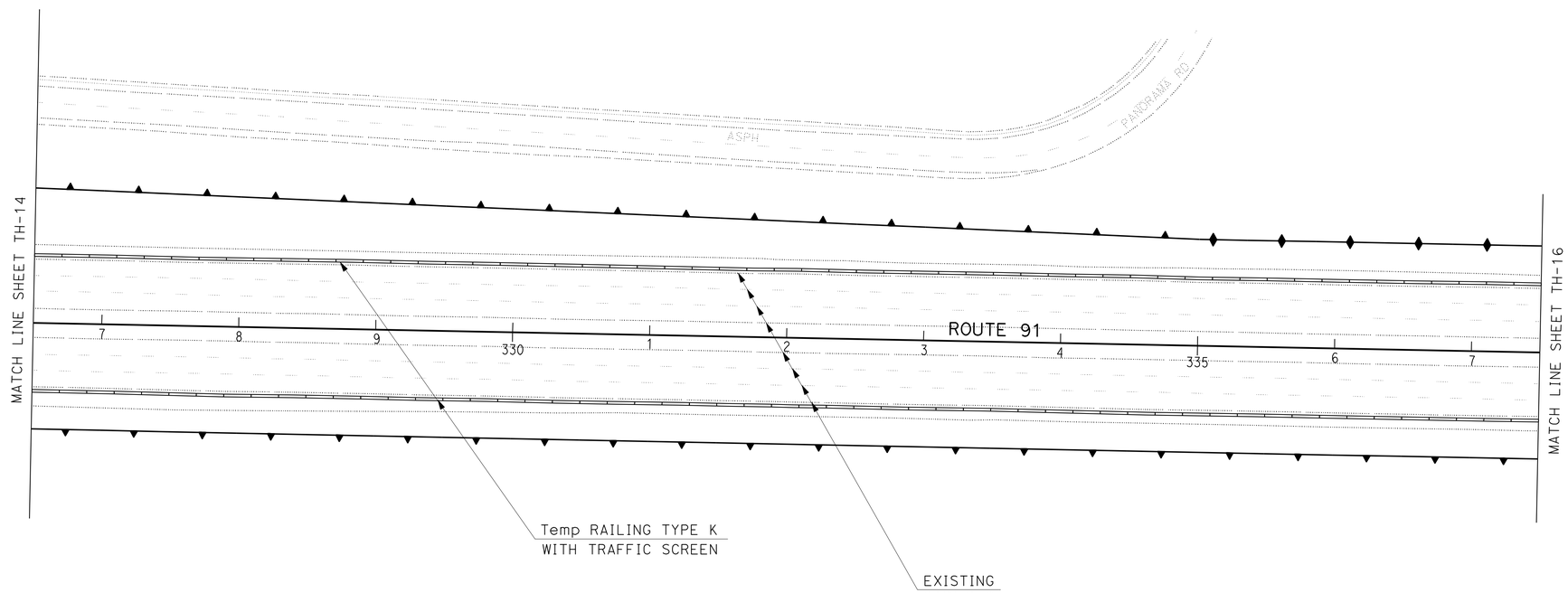

STAGE 1 PHASE 1

TRAFFIC HANDLING PLAN

SCALE: 1"=50'

TH-15

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 29-APR-2011
12-01-10 TIME PLOTTED => 19:50

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trrichf
DGN FILE => 844840md015.dgn
CU 08380
EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	491	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
CIVIL
STATE OF CALIFORNIA

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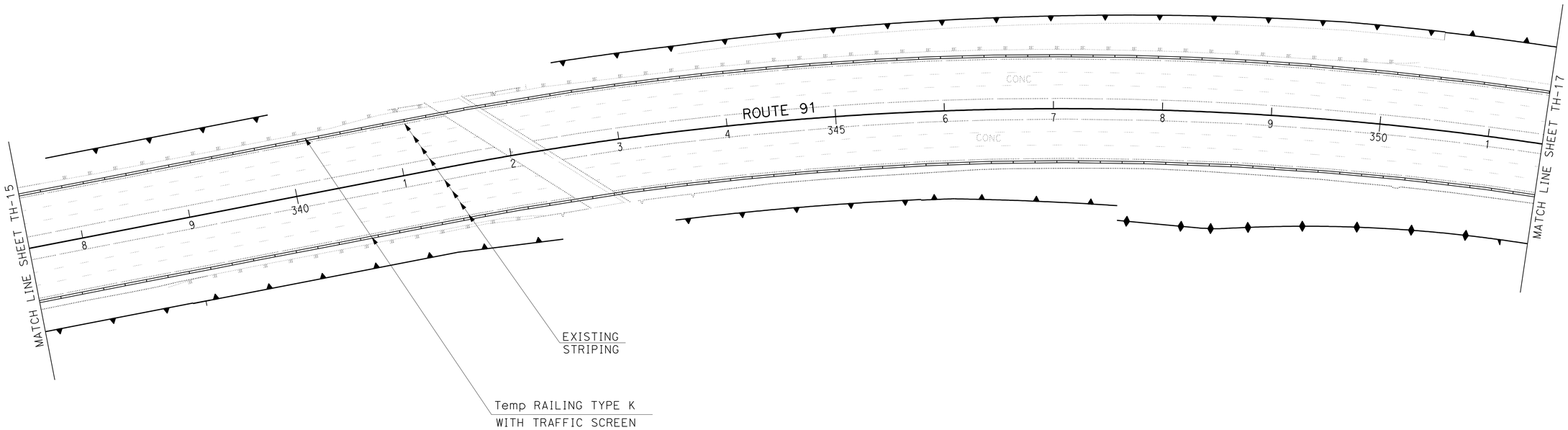

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: W.E.WASSER

CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER

REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	492	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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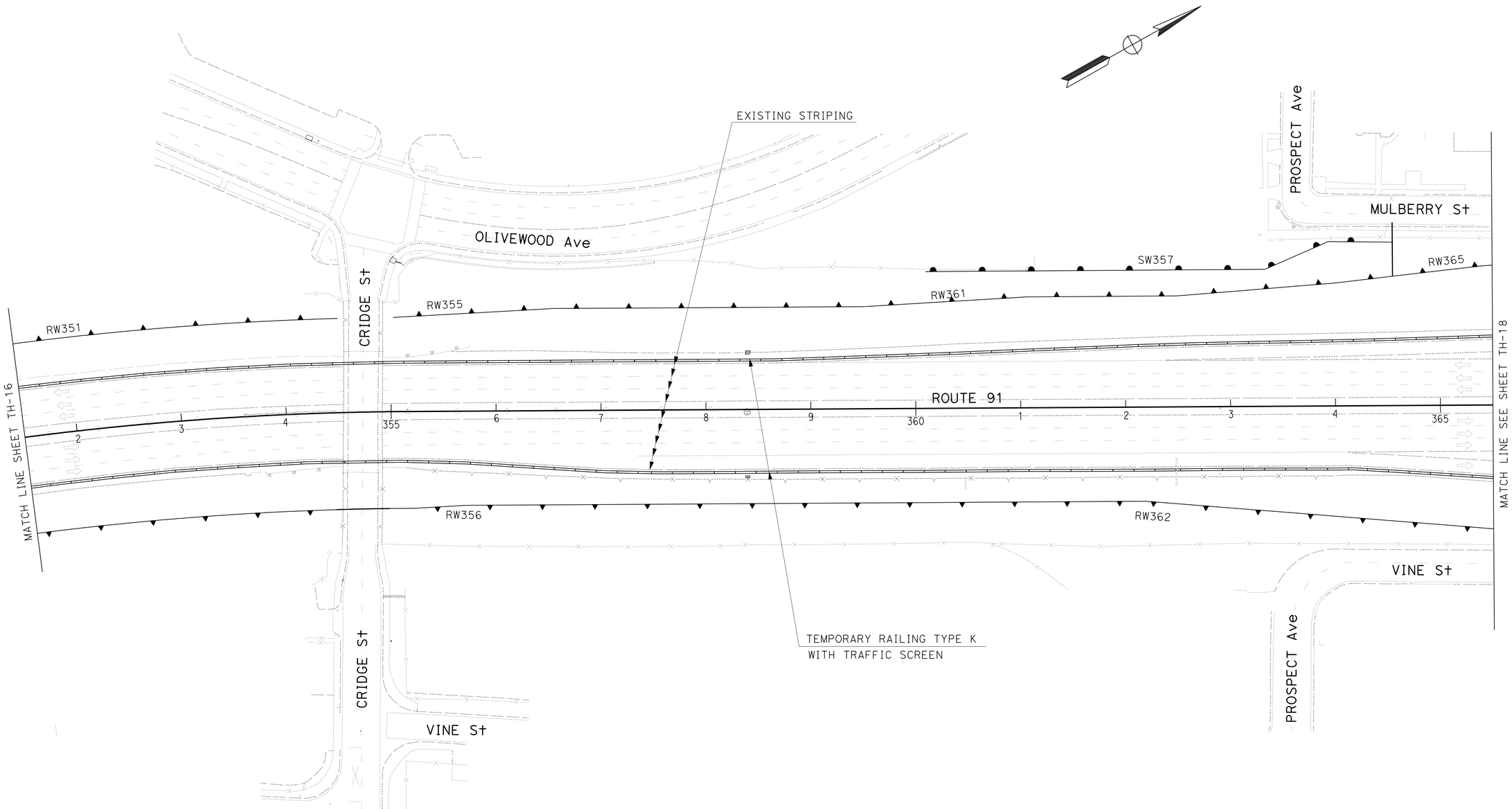

STAGE 1 PHASE 1

TRAFFIC HANDLING PLAN

SCALE: 1"=50'

TH-17

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: W.E.WASSER

CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER

REVISED BY
DATE REVISED

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 TIME PLOTTED => 19:50

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trrichf DGN FILE => 844840md017.dgn | CU 08380 | EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	493	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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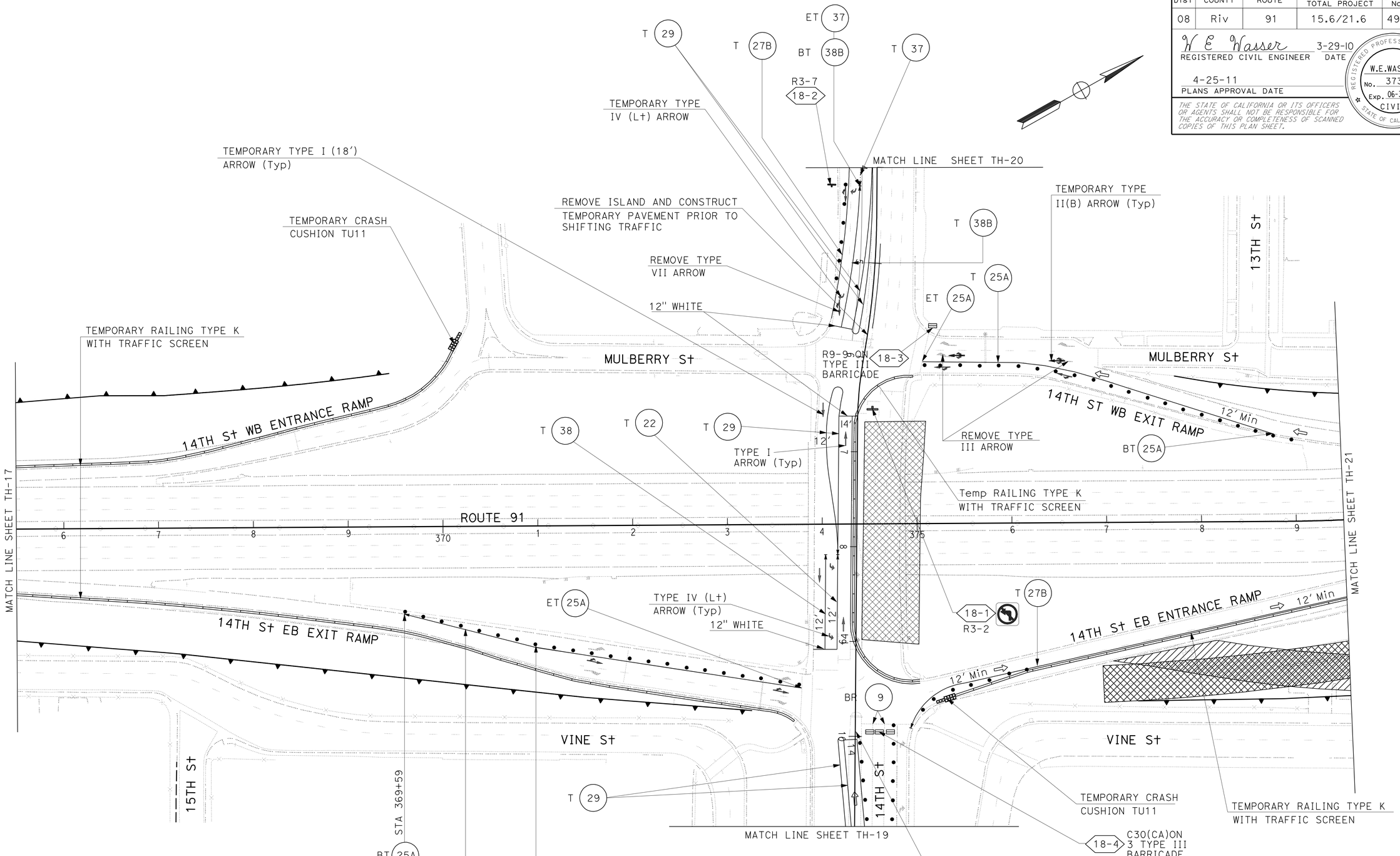

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-18

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 03-29-11
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:50

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trrichf
DGN FILE => 844840md018.dgn
CU 08380
EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	494	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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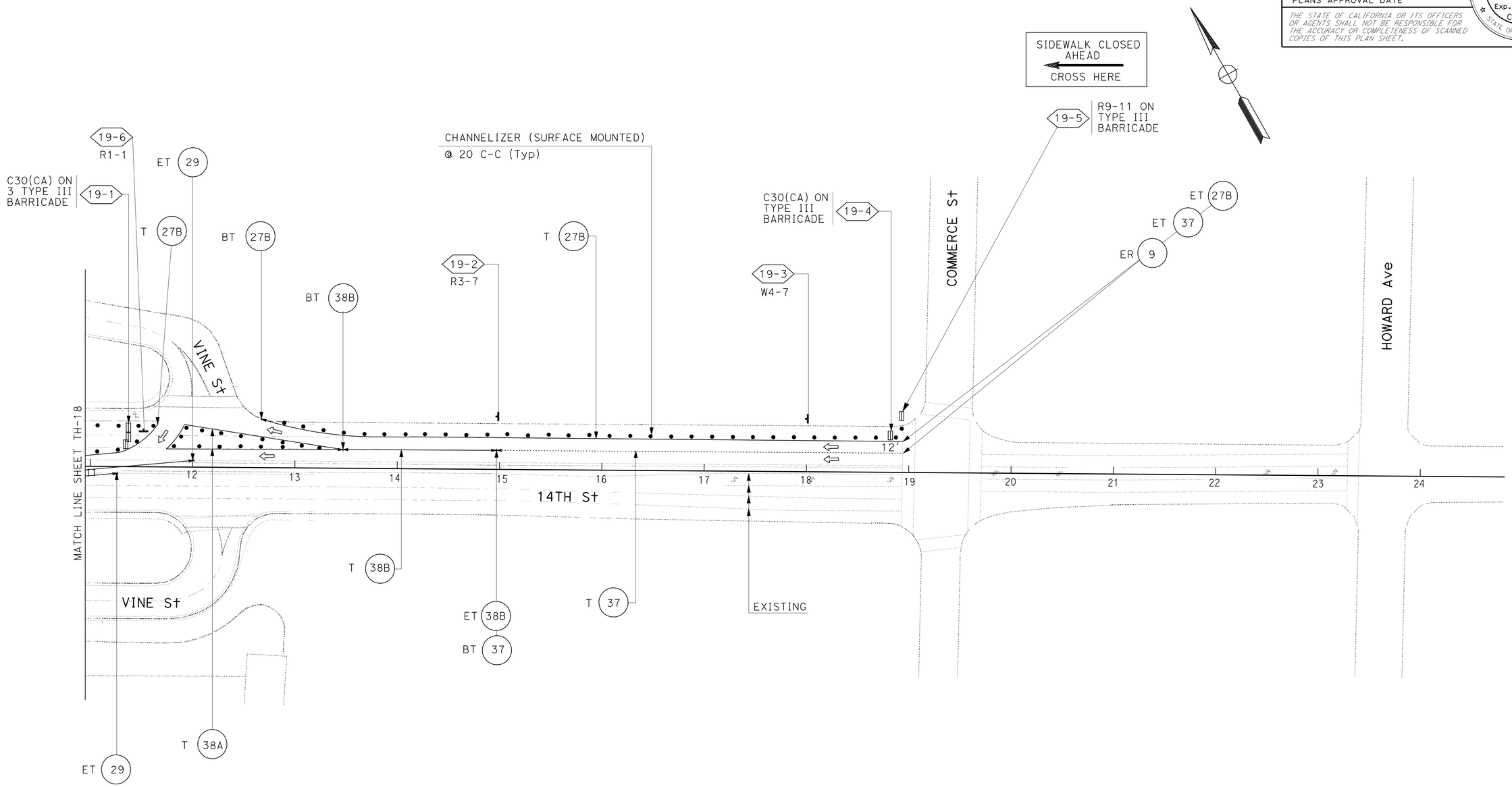

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-19

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

LAST REVISION 12-01-10 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:50

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trrichf | DGN FILE => 844840md019.dgn | CU 08380 | EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	495	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
CIVIL
STATE OF CALIFORNIA

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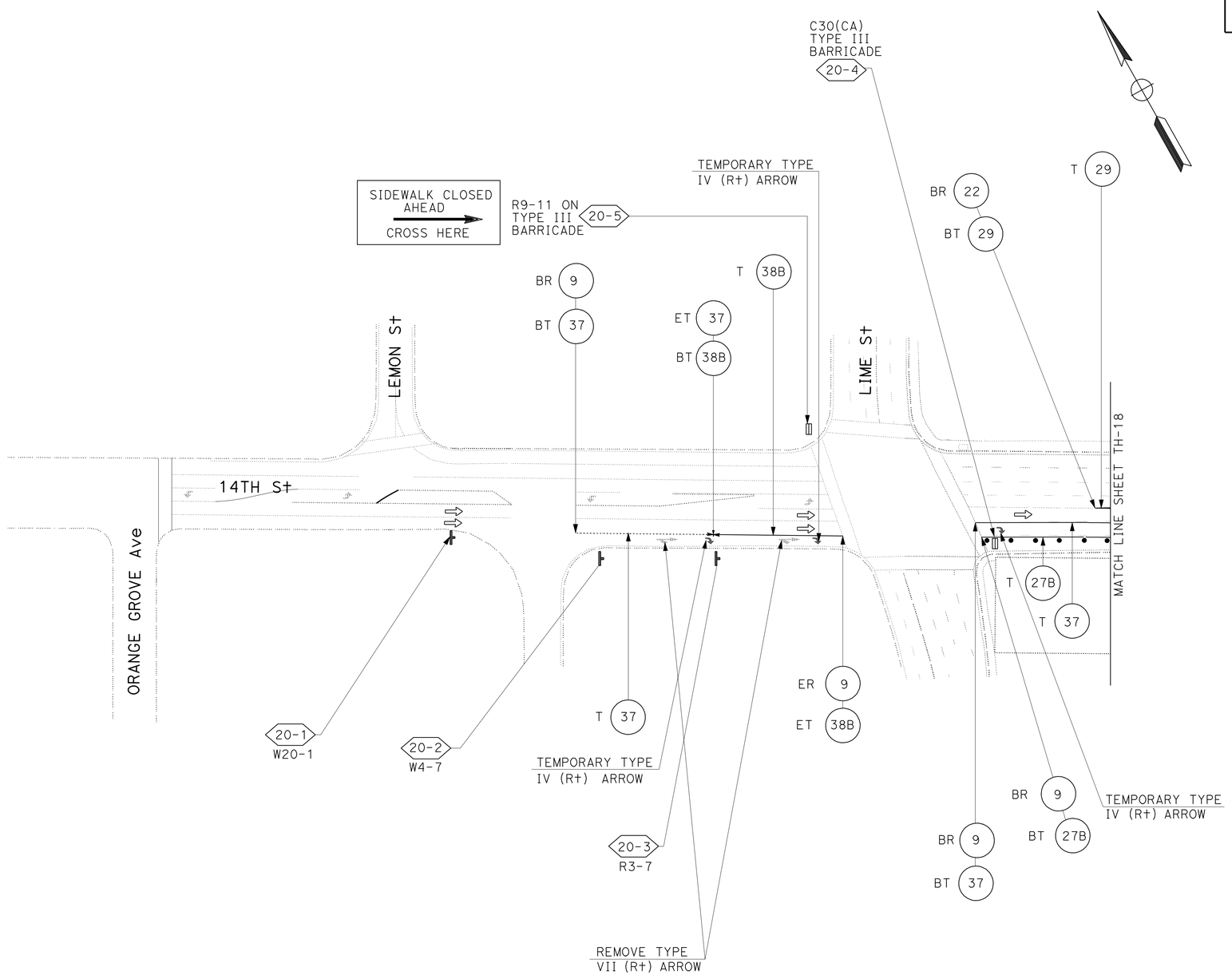

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN

SCALE: 1"=50'

TH-20

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CALCULATED-DESIGNED BY	DEAN TO	REVISED BY
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FUNCTIONAL SUPERVISOR: W.E.WASSER

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TRAFFIC DESIGN

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	496	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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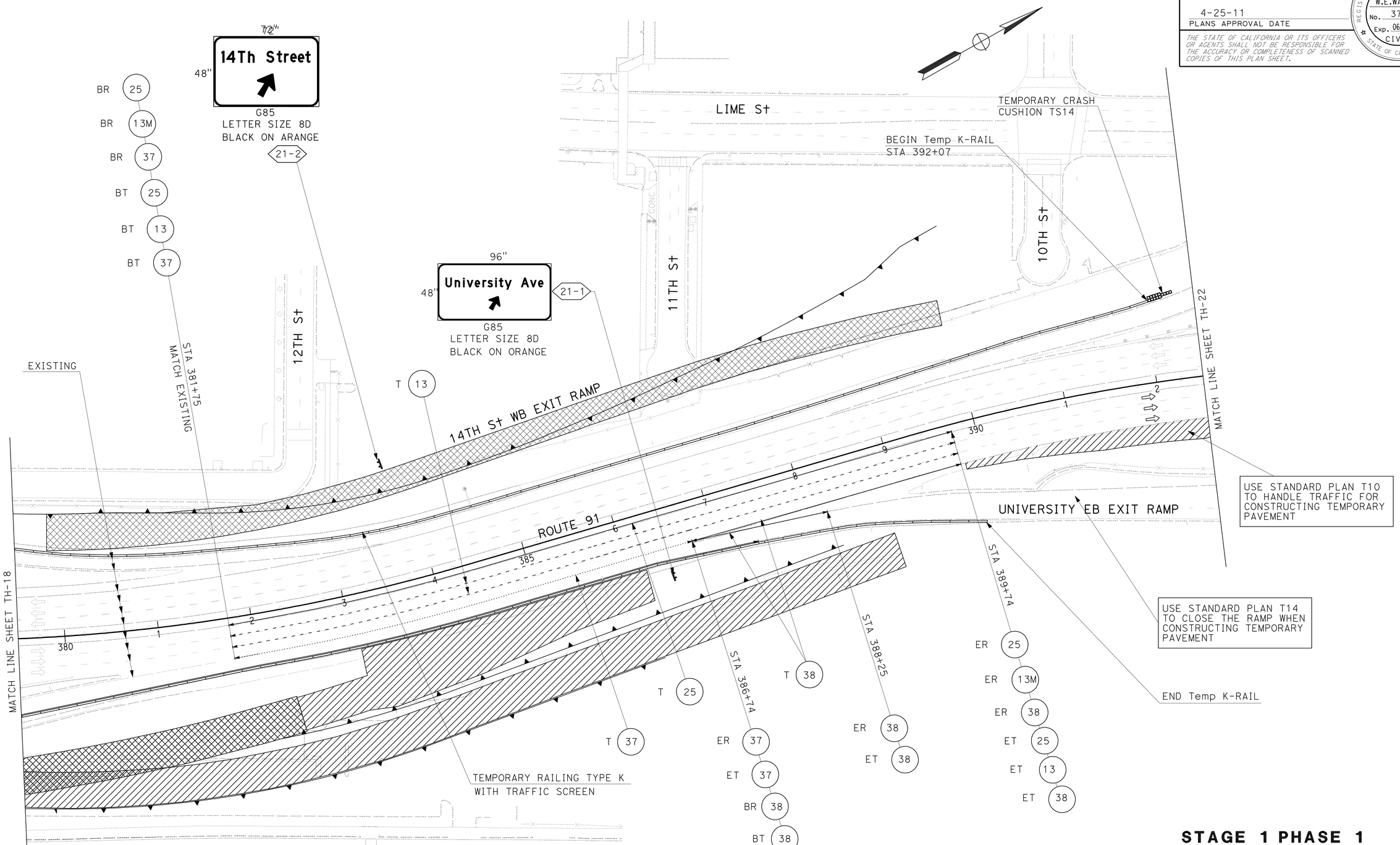

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-21

REVISED BY	DATE REVISED
DEAN TO	W.E.WASSER
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	W.E.WASSER

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	497	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
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REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
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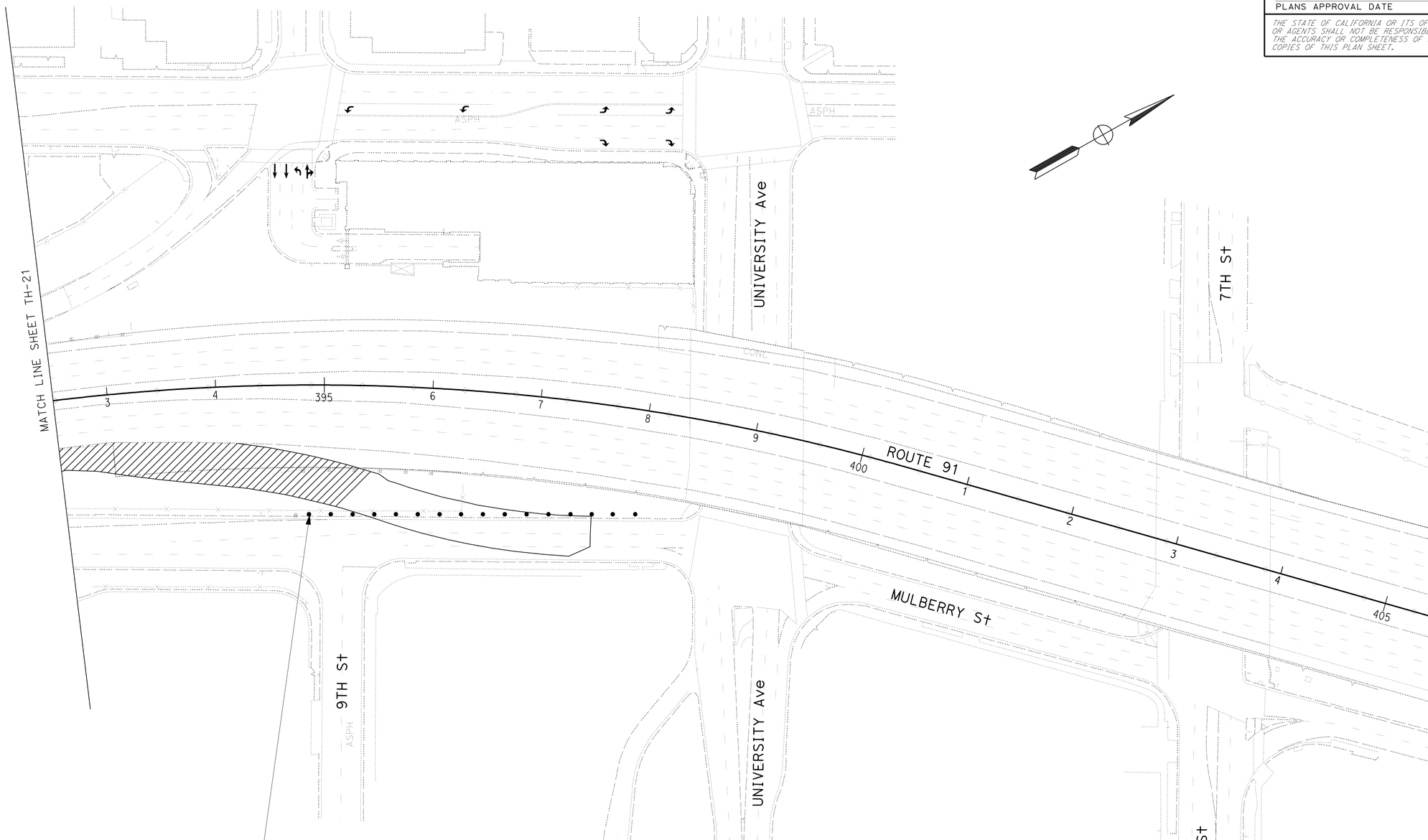

PLACE CHANNELIZER (SURFACE MOUNTED) @ 20 C-C AFTER FINISHING TEMPORARY PAVEMENT, TOTAL 16

USE STANDARD PLAN T13 TO HANDLE TRAFFIC DURING CONSTRUCT TEMPORARY PAVEMENT

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-22

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:51

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trrichf
DGN FILE => 844840md022.dgn
CU 08380
EA 448401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	498	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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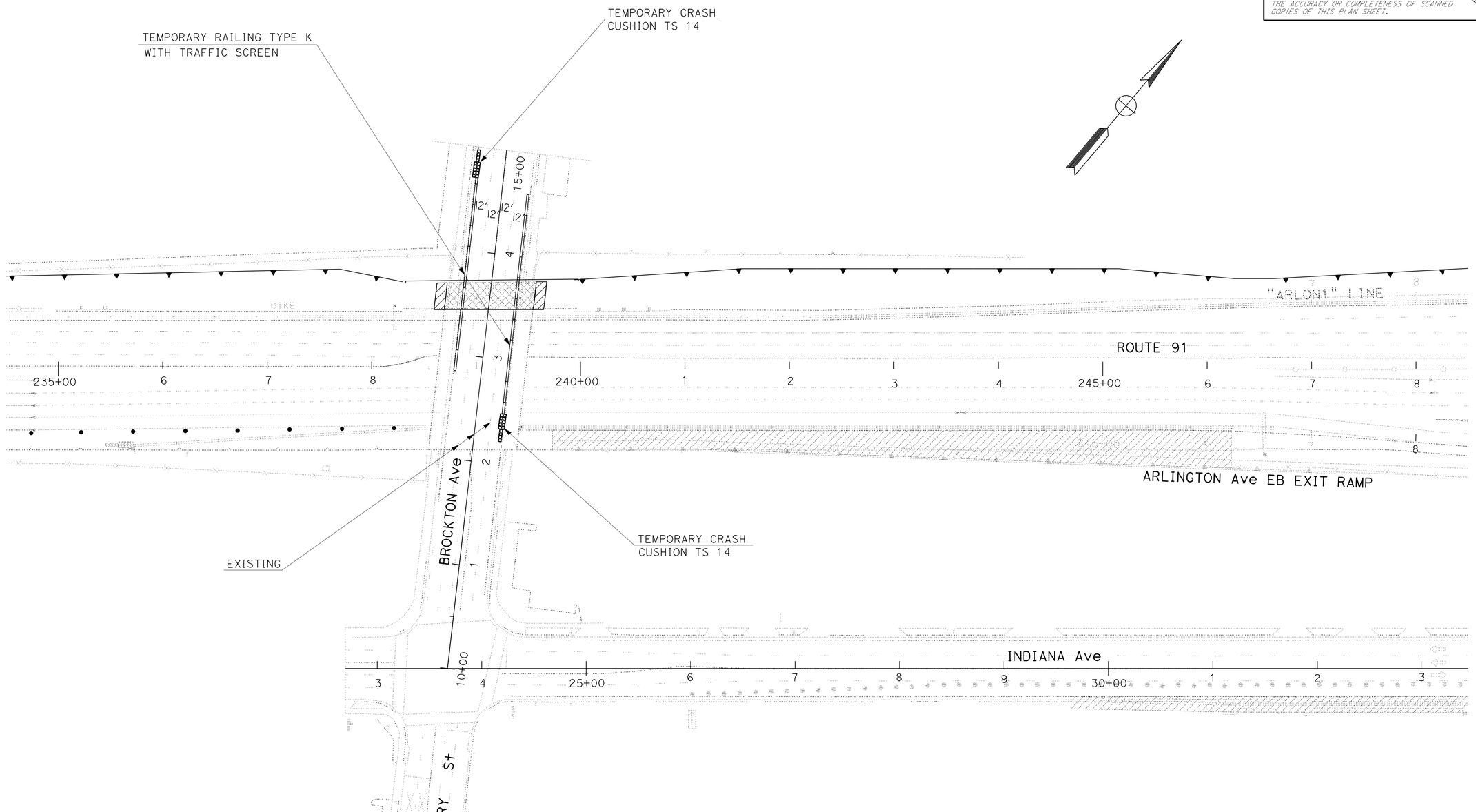

STAGE 1 PHASE 1

TRAFFIC HANDLING PLAN

SCALE: 1" = 50'

TH-23

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
TIME PLOTTED => 19:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	499	2028

W E Wasser 3-29-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W.E.WASSER
No. 37378
Exp. 06-30-12
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STATE OF CALIFORNIA

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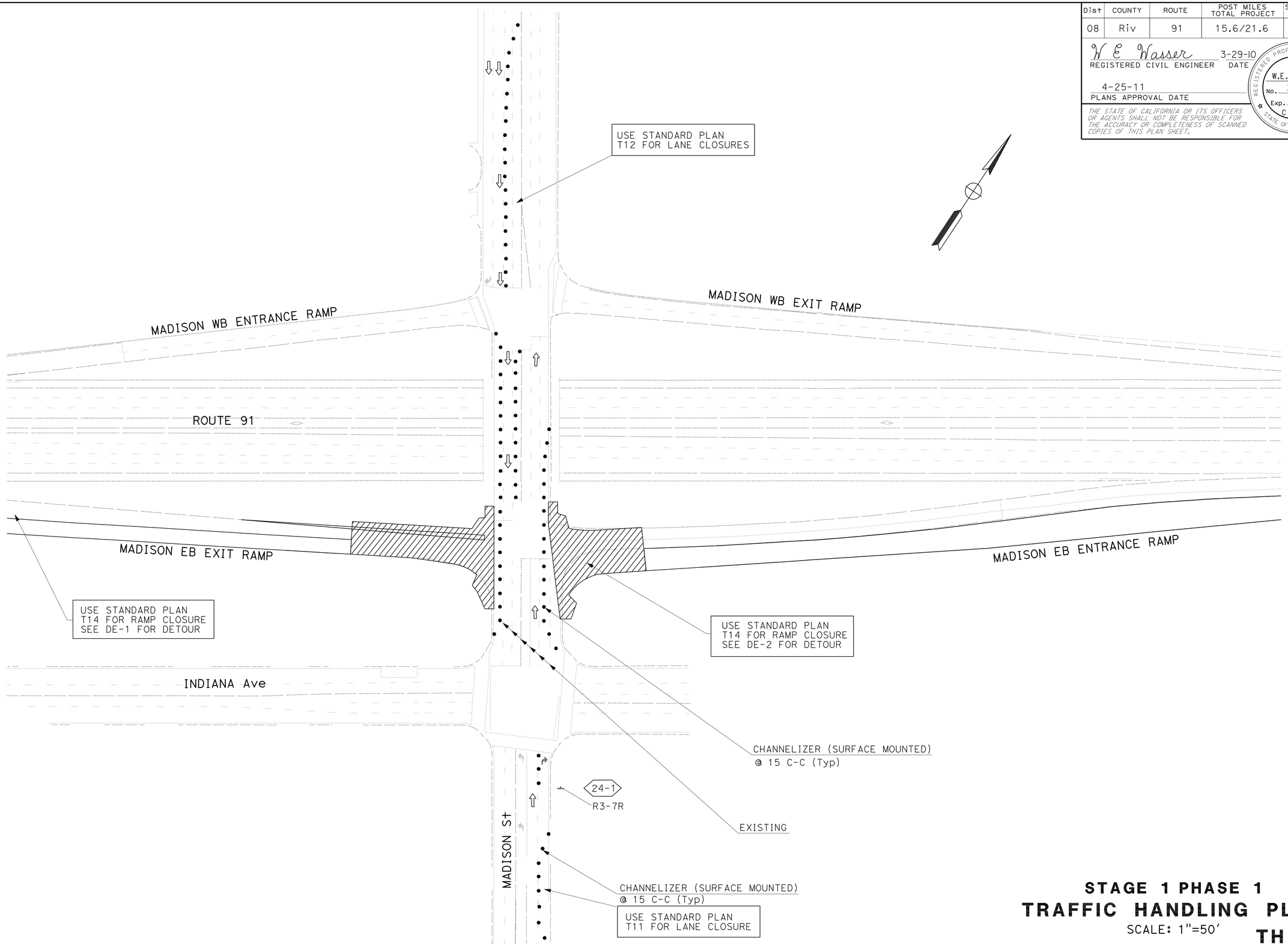

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STAGE 1 PHASE 1
TRAFFIC HANDLING PLAN
SCALE: 1"=50'

TH-24

REVISED BY	DATE REVISED

DEAN TO — W.E.WASSER

CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR — W.E.WASSER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 03-29-11 | DATE PLOTTED => 29-APR-2011 | TIME PLOTTED => 19:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	15.6/21.6	500	2028

W E Wasser 12-1-10
REGISTERED CIVIL ENGINEER DATE

4-25-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER W.E.WASSER No. 37378 Exp. 06-30-12 CIVIL STATE OF CALIFORNIA

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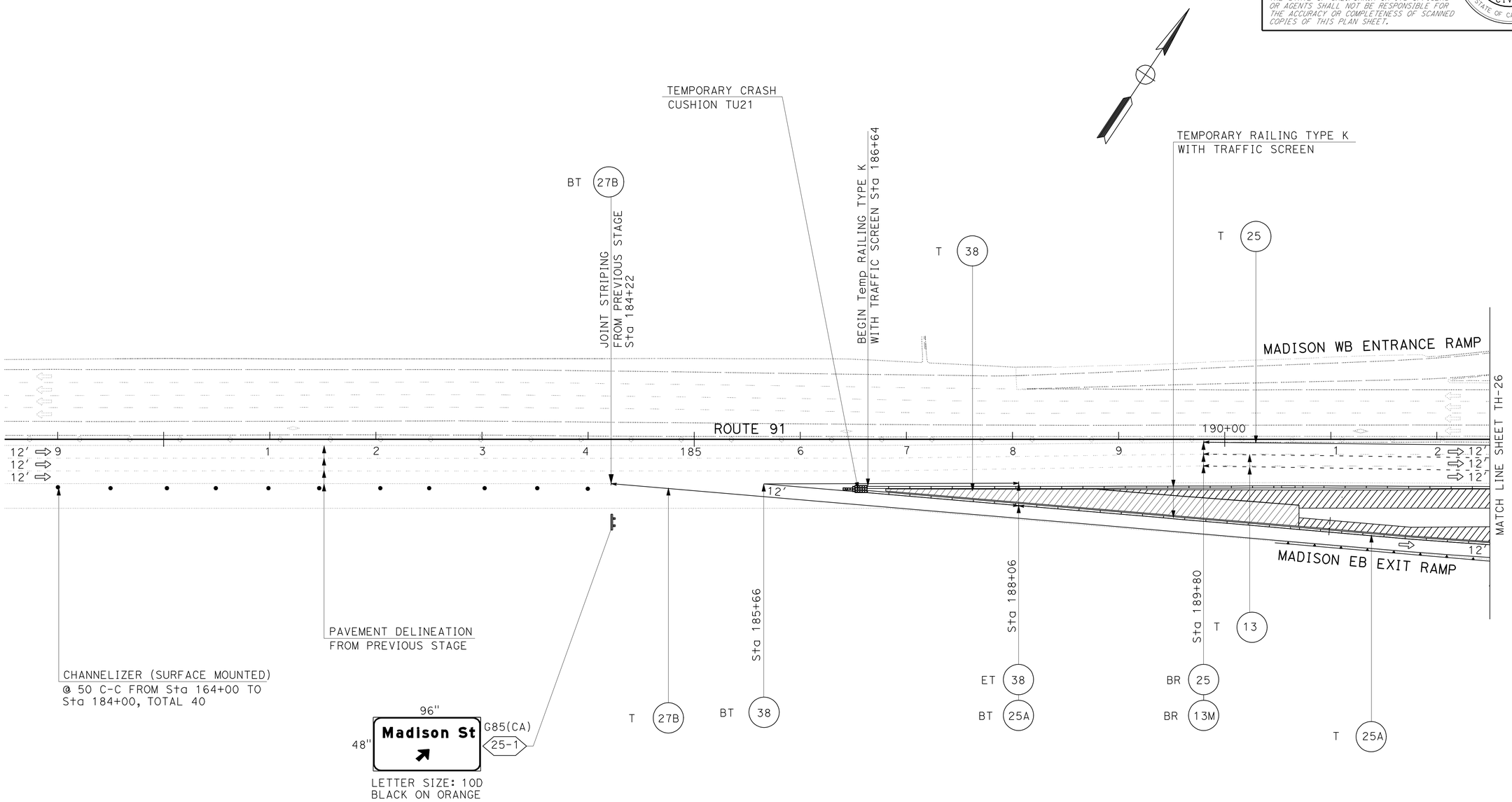

STAGE 1 PHASE 2
TRAFFIC HANDLING PLAN
SCALE: 1" = 50′

TH-25

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: W.E.WASSER
CALCULATED-DESIGNED BY: DEAN TO
CHECKED BY: W.E.WASSER
REVISED BY
DATE REVISED

LAST REVISION 12-01-10
DATE PLOTTED => 29-APR-2011
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