



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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARIAM  
 CALCULATED/DESIGNED BY: TEBLEZ NEMARIAM  
 CHECKED BY: TEBLEZ NEMARIAM  
 REVISIONS: 10-16-15  
 REVISED BY: EDGAR URBANO  
 DATE REVISED: 10-16-15

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

**NOTES:**  
 1. ELEVATIONS SHOWN REFER TO THE TOP OF PIPE OR CONDUIT, UNLESS OTHERWISE NOTED.  
 2. FOR NOMINAL HDPE DIAMETERS AND STEEL CASING DIAMETERS, SEE SHEET U-15.

**ABBREVIATIONS:**  
 Enc ENCASEMENT  
 Stl STEEL  
 Unk UNKNOWN

**UTILITIES**  
 ELECTRIC  
 FIBER OPTICS  
 GAS  
 SEWER  
 SEWER/STORM DRAIN  
 36"-60" GREATER PIPE  
 TELEPHONE  
 WATER

**EXISTING UTILITIES**  
 -e-  
 -fo- (oh)  
 -g-  
 -s-  
 ---sd---sd  
 -t-  
 -w-  
 -w-

**LEGEND:**

**OWNERSHIP**  
 PACIFIC GAS AND ELECTRIC (PG&E)  
 CABLECOM (COMCAST)  
 PACIFIC GAS AND ELECTRIC (PG&E)  
 EAST PALO ALTO SANITARY DRAIN (EPASD)  
 WEST BAY SANITARY DISTRICT (WBSD)  
 CITY OF MENLO PARK SEWER/STORM DRAIN SYSTEM (CMPSSDS)  
 CITY OF MENLO PARK SEWER/STORM DRAIN SYSTEM (CMPSSDS)  
 CITY OF EAST PALO ALTO STOM DRAIN SYSTEM (CEPASDS)  
 AMERICAN TELEPHONE AND TELEGRAPH (AT&T)  
 AMERICAN WATER COMPANY (AWC)  
 CITY OF EAST PALO ALTO WATER SYSTEM (CEPAWS)  
 CITY OF MENLO PARK WATER SYSTEM FACILITIES (CMPWSF)  
 PALO ALTO PARK MUTUAL WATER COMPANY (PAPMWC)  
 SAN FRANCISCO WATER DEPARTMENT WATER SUPPLY AND TREATMENT DIVISION

⊗ POTHOLE LOCATION

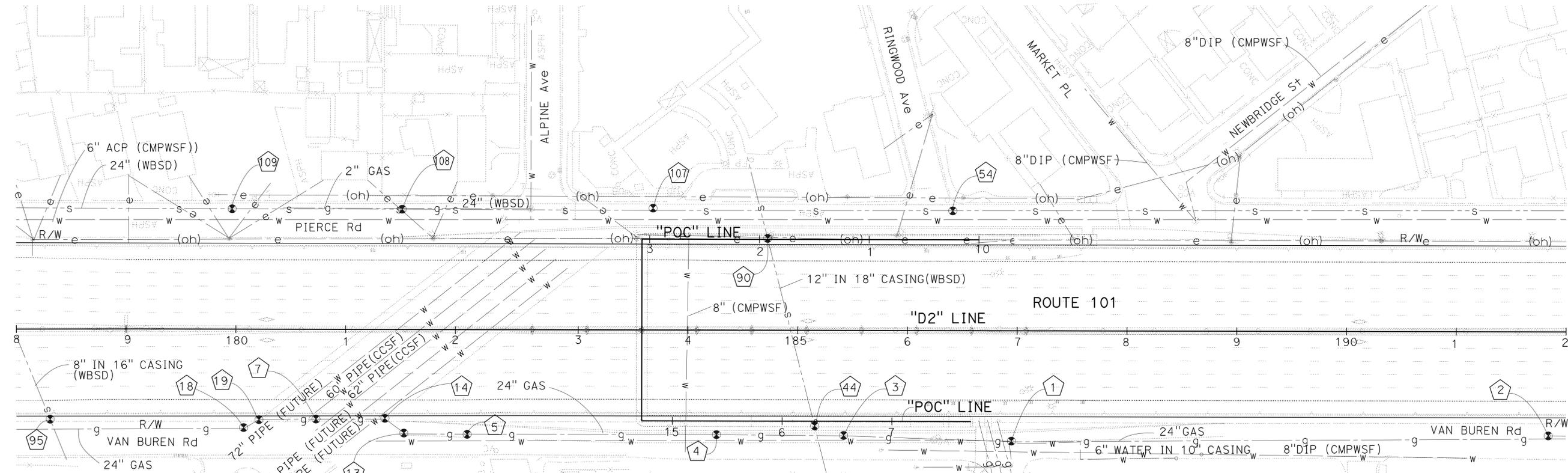
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	102	568

6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Carlos M. Sandoval  
 No. 82453  
 Exp. 9-30-16  
 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.



**POSITIVE LOCATION INFORMATION**

No.	UTILITY	LOCATION	ELEVATION	METHOD
1	24" GAS	100.80' Rt "D2" 186+96.52	7.30	POTHOLING
2	24" GAS	94.47' Rt "D2" 191+83.99	10.70	POTHOLING
3	24" GAS	95.71' Rt "D2" 185+42.57	9.46	POTHOLING
4	24" GAS	94.89' Rt "D2" 184+26.05	10.42	POTHOLING
5	24" GAS	95' Rt "NS3" 182+11.11	10.46	POTHOLING
7	24" GAS	81.52' Rt "NS3" 180+73.16	11.52	POTHOLING
13	24" GAS	94.74' Rt "NS3" 181+54.55	10.28	POTHOLING
14	24" GAS	81.31' Rt "NS3" 181+36.12	9.99	POTHOLING
18	24" GAS	90.19' Rt "NS3" 180+07.31	8.69	POTHOLING
19	24" GAS	82.19' Rt "NS3" 180+21.22	10.49	POTHOLING
44	12" SEWER	86.40' Rt "D2" 185+15.40	11.83	POTHOLING
54	24" SEWER	109.05' Lt "D2" 186+40.81	1.87	POTHOLING
90	12" SEWER	83.38' Lt "D2" 184+72.46	10.92	POTHOLING
95	8" SEWER	83.07' Rt "NS3" 178+31.16	9.93	POTHOLING
107	24" SEWER	108.56' Lt "D2" 183+67.80	1.54	POTHOLING
108	24" SEWER	109.20' Lt "NS3" 181+51.31	0.99	POTHOLING
109	24" SEWER	109.40' Lt "NS3" 179+96.20	0.72	POTHOLING

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

**UTILITY PLAN  
 (LOCATION 1)**  
 SCALE: 1" = 50'  
**U-1**

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

**NOTE:**

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

REVISED BY  
 EDGAR URBANO

DATE REVISED  
 10-16-15

DESIGNED BY  
 TEBLEZ NEMARIAM

CHECKED BY  
 TEBLEZ NEMARIAM

FUNCTIONAL SUPERVISOR  
 TEBLEZ NEMARIAM

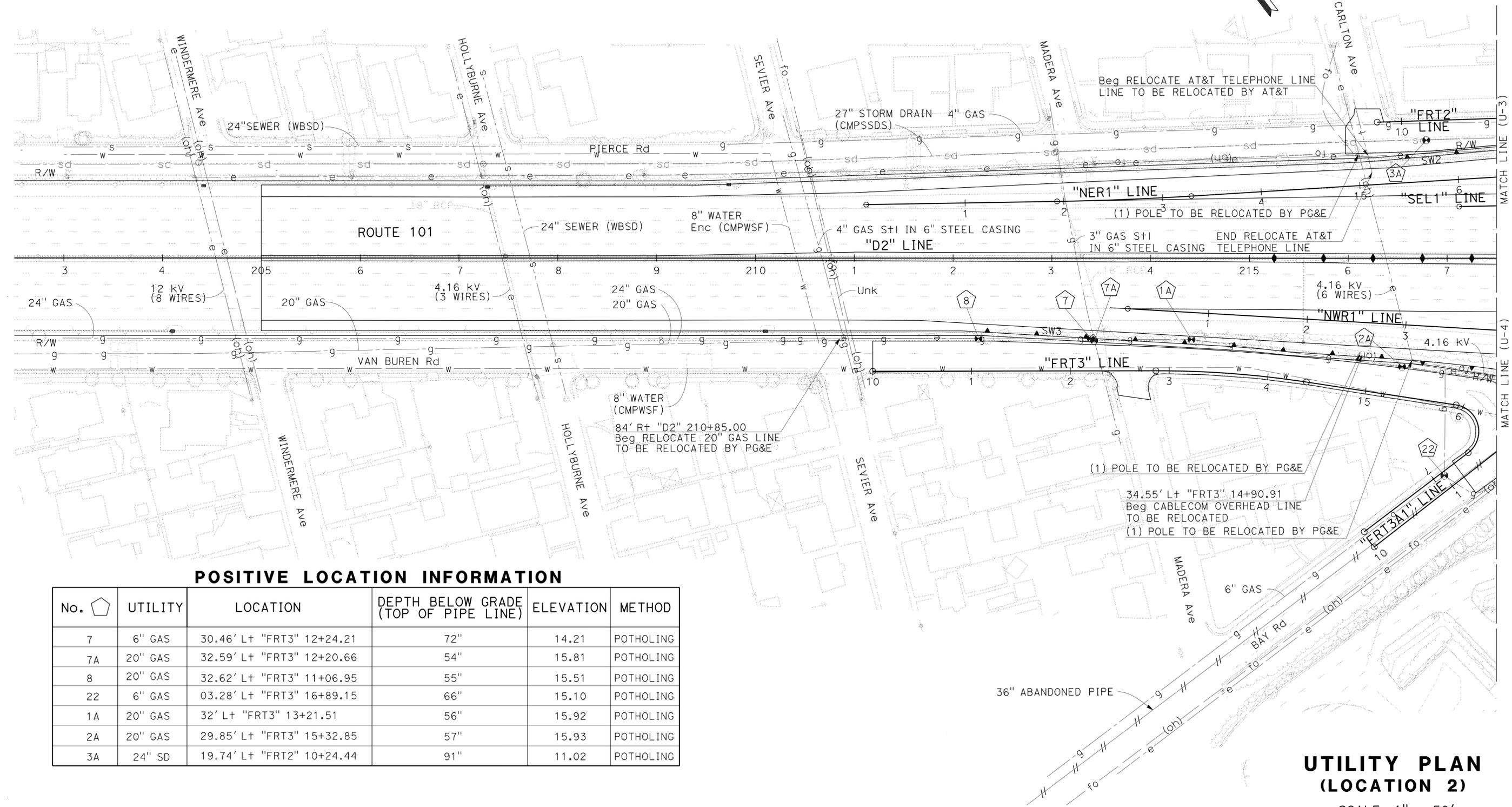
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	103	568

6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Carlos M. Sandoval  
 No. 82453  
 Exp. 9-30-16  
 CIVIL  
 STATE OF CALIFORNIA

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**POSITIVE LOCATION INFORMATION**

No.	UTILITY	LOCATION	DEPTH BELOW GRADE (TOP OF PIPE LINE)	ELEVATION	METHOD
7	6" GAS	30.46' Lt "FRT3" 12+24.21	72"	14.21	POTHOLING
7A	20" GAS	32.59' Lt "FRT3" 12+20.66	54"	15.81	POTHOLING
8	20" GAS	32.62' Lt "FRT3" 11+06.95	55"	15.51	POTHOLING
22	6" GAS	03.28' Lt "FRT3" 16+89.15	66"	15.10	POTHOLING
1A	20" GAS	32' Lt "FRT3" 13+21.51	56"	15.92	POTHOLING
2A	20" GAS	29.85' Lt "FRT3" 15+32.85	57"	15.93	POTHOLING
3A	24" SD	19.74' Lt "FRT2" 10+24.44	91"	11.02	POTHOLING

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

**UTILITY PLAN (LOCATION 2)**  
 SCALE: 1" = 50'  
**U-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans  
 CONSULTANT - FUNCTIONAL SUPERVISOR: RAMSEY J. HISSEN  
 CALCULATED/DESIGNED BY: CHECKED BY:  
 JASON HOM JASON HOM  
 YEV PHILLIPOVITCH  
 REVISOR: JH  
 DATE: 6-28-16  
 REVISOR: JH  
 DATE: 5-23-16  
 REVISOR: JH  
 DATE: 3-10-16

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

**POSITIVE LOCATION INFORMATION**

No.	UTILITY	LOCATION	DEPTH BELOW GRADE (TOP OF PIPE LINE)	ELEVATION	METHOD
2	2" GAS	46.29' R+ "FRT1" 14+94.40	83"	10.04	POTHOLING
3	4" WATER	2.41' R+ "FRT1" 17+12.24	40"	14.92	POTHOLING
4	4" GAS	22.95' R+ "FRT1" 11+76.34	41"	14.86	POTHOLING
5	4" WATER	25.18' R+ "FRT1" 12+63.98	116"	7.58	POTHOLING
6	4" GAS	8.45' L+ "FRT2" 13+98.20	25"	15.44	POTHOLING
10	4" GAS	7.65' L+ "FRT2" 13+07.43	48"	14.19	POTHOLING
11	8" GAS	7.32' R+ "FRT2" 11+31.74	54"	13.84	POTHOLING
12	8" GAS	85.32' L+ "WR1" 26+89.56	60"	11.54	POTHOLING

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	104	568

6-28-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

Yev Philipovitch  
 No. C25392  
 Exp. 12-31-17  
 CIVIL  
 STATE OF CALIFORNIA

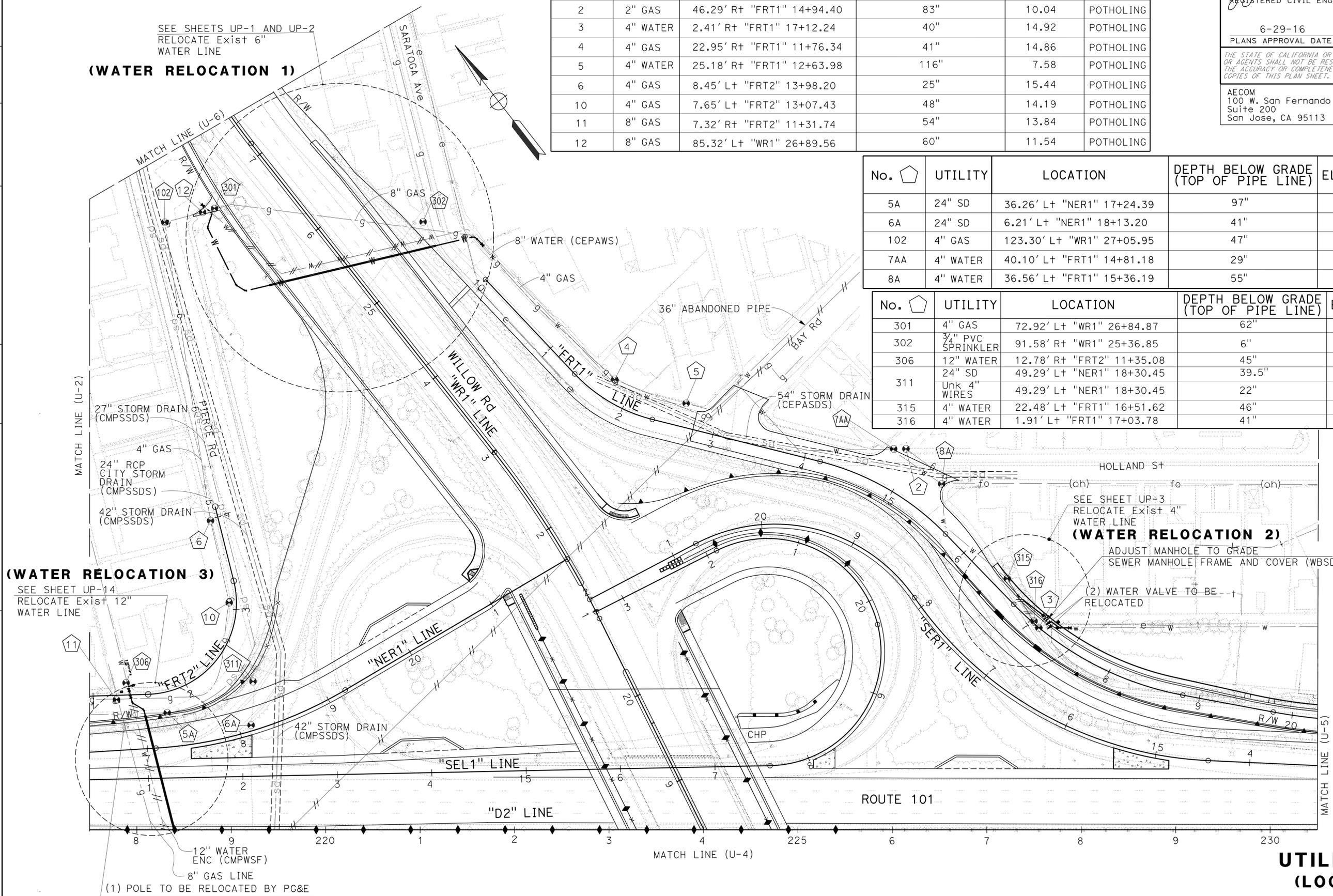
AECOM  
 100 W. San Fernando St  
 Suite 200  
 San Jose, CA 95113

CALTRANS  
 111 Grand Avenue  
 Oakland, CA 94612

SEE SHEETS UP-1 AND UP-2  
 RELOCATE Exist 6"  
 WATER LINE  
**(WATER RELOCATION 1)**

SEE SHEET UP-14  
 RELOCATE Exist 12"  
 WATER LINE  
**(WATER RELOCATION 3)**

SEE SHEET UP-3  
 RELOCATE Exist 4"  
 WATER LINE  
**(WATER RELOCATION 2)**  
 ADJUST MANHOLE TO GRADE  
 SEWER MANHOLE FRAME AND COVER (WBSD)  
 (2) WATER VALVE TO BE RELOCATED



No.	UTILITY	LOCATION	DEPTH BELOW GRADE (TOP OF PIPE LINE)	ELEVATION	METHOD
5A	24" SD	36.26' L+ "NER1" 17+24.39	97"	10.65	POTHOLING
6A	24" SD	6.21' L+ "NER1" 18+13.20	41"	15.87	POTHOLING
102	4" GAS	123.30' L+ "WR1" 27+05.95	47"	12.68	POTHOLING
7AA	4" WATER	40.10' L+ "FRT1" 14+81.18	29"	14.90	POTHOLING
8A	4" WATER	36.56' L+ "FRT1" 15+36.19	55"	12.52	POTHOLING

No.	UTILITY	LOCATION	DEPTH BELOW GRADE (TOP OF PIPE LINE)	ELEVATION	METHOD
301	4" GAS	72.92' L+ "WR1" 26+84.87	62"	11.68	POTHOLING
302	3/4" PVC SPRINKLER	91.58' R+ "WR1" 25+36.85	6"	15.25	POTHOLING
306	12" WATER	12.78' R+ "FRT2" 11+35.08	45"	15.02	POTHOLING
311	24" SD	49.29' L+ "NER1" 18+30.45	39.5"	15.55	POTHOLING
311	Unk 4" WIRES	49.29' L+ "NER1" 18+30.45	22"	17.00	POTHOLING
315	4" WATER	22.48' L+ "FRT1" 16+51.62	46"	14.53	POTHOLING
316	4" WATER	1.91' L+ "FRT1" 17+03.78	41"	15.05	POTHOLING

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

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

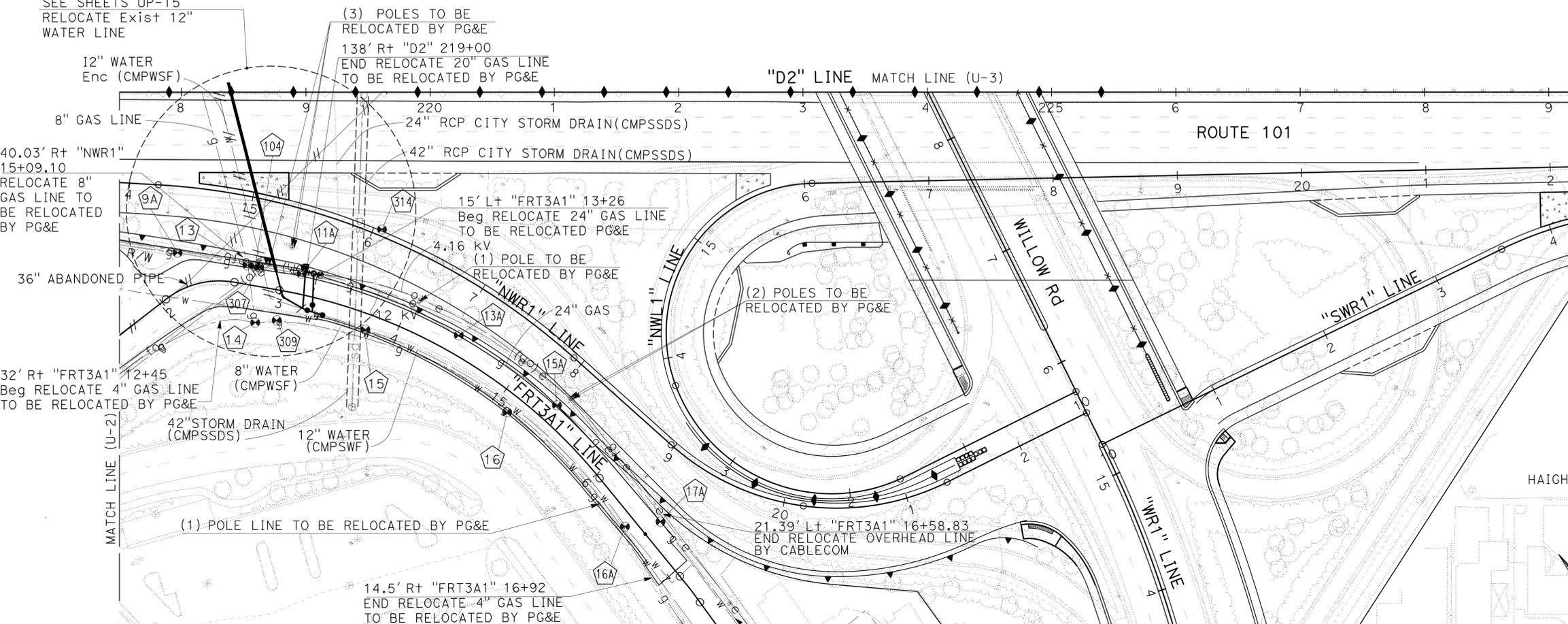
**UTILITY PLAN (LOCATION 2)**  
 SCALE: 1" = 50'  
**U-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 JASON HOM  
 YEV PHILIPOVITCH  
 RAMSEY J. HISSEN  
 REVISIONS:  
 6-28-16  
 3-10-16  
 1-8-16

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

**(WATER RELOCATION 3)**

SEE SHEETS UP-15  
 RELOCATE Exist 12"  
 WATER LINE



**POSITIVE LOCATION INFORMATION**

No.	UTILITY	LOCATION	DEPTH BELOW GRADE (TOP OF PIPE LINE)	ELEVATION	METHOD
13	8" GAS	40.03' Rt "NWR1" 15+09.10	60"	15.56	POTHOLING
14	4" GAS	29.02' Rt "FTR3A1" 12+84.35	28"	17.04	POTHOLING
15	12" WATER	12.56' Rt "FTR3A1" 13+75.32	37"	17.11	POTHOLING
16	4" GAS	14.57' Rt "FTR3A1" 15+12.06	38"	16.18	POTHOLING
18	8" WATER	55.70' Lt "WR1" 11+86.11	59"	15.66	POTHOLING
19	8" WATER	70.85' Rt "WR1" 11+79.03	35"	18.74	POTHOLING
9A	20" GAS	28.47' Lt "FTR3A1" 12+26.32	59"	16.11	POTHOLING
104	20" GAS	15.78' Lt "FTR3A1" 12+77.59	55"	15.86	POTHOLING
11A	20" GAS	16.35' Lt "FTR3A1" 13+13.82	59"	15.13	POTHOLING
13A	24" GAS	14.93' Lt "FTR3A1" 14+45.52	53"	15.47	POTHOLING
15A	24" GAS	15.60' Lt "FTR3A1" 15+39.17	50"	16.03	POTHOLING
16A	12" WATER	8.92' Rt "FTR3A1" 16+46.91	32"	16.95	POTHOLING
17A	20" GAS	15.74' Lt "FTR3A1" 16+62.00	73"	14.43	POTHOLING
106	20" GAS	77.54' Lt "WR1" 11+68.36	73"	15.84	POTHOLING
107	20" GAS	53.20' Lt "WR1" 11+67.04	54"	17.43	POTHOLING
108	20" GAS	74.96' Lt "WR1" 11+60.02	57"	17.50	POTHOLING
307	4" Unk (St)	15.26' Lt "FTR3A1" 12+80.37	41"	17.15	POTHOLING
309	8" WATER	24.17' Rt "FTR3A1" 13+02.22	37.5"	16.21	POTHOLING
314	24" SD	5.21' Lt "NWR1" 16+6.64	46"	15.89	POTHOLING

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	105	568

REGISTERED CIVIL ENGINEER  
 Yev Philipovitch  
 No. C25392  
 Exp. 12-31-17  
 CIVIL  
 STATE OF CALIFORNIA

6-28-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

AECOM  
 100 W. San Fernando St  
 Suite 200  
 San Jose, CA 95113

CALTRANS  
 111 Grand Avenue  
 Oakland, CA 94612

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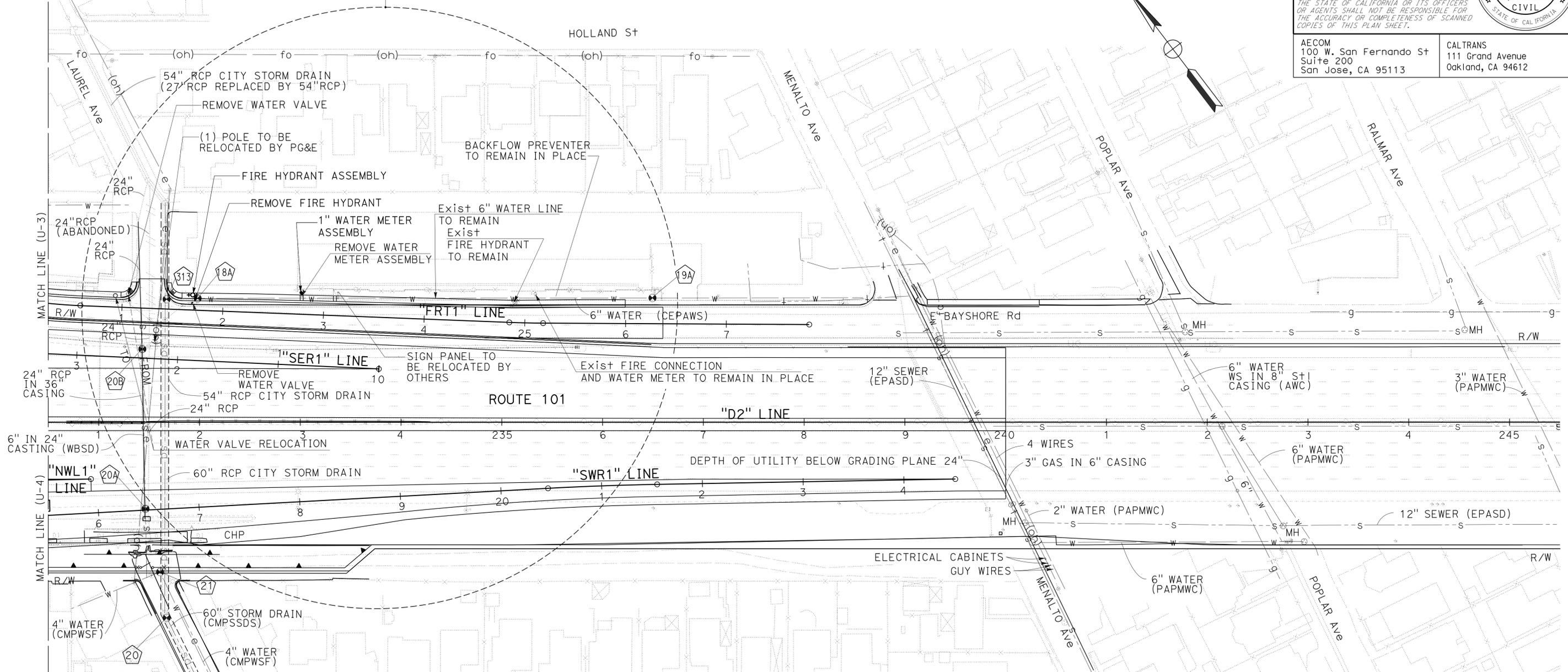
**UTILITY PLAN  
 (LOCATION 2)**  
 SCALE: 1" = 50'  
**U-4**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	106	568

REGISTERED CIVIL ENGINEER DATE 6-28-16  
 REGISTERED CIVIL ENGINEER Yev Philipovitch No. C25392 Exp. 12-31-17 CIVIL STATE OF CALIFORNIA  
 PLANS APPROVAL DATE 6-29-16  
 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.  
 AECOM 100 W. San Fernando St San Jose, CA 95113  
 CALTRANS 111 Grand Avenue Oakland, CA 94612

**NOTE:**  
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SEE SHEET U-8  
RELOCATE WATER ITEMS  
**(WATER RELOCATION 4)**



**POSITIVE LOCATION INFORMATION**

No.	UTILITY	LOCATION	DEPTH BELOW GRADE (TOP OF PIPE LINE)	ELEVATION	METHOD
20	60" SD	107.50' Rt "SWR1" 16+62.00	93"	12.04	POTHOLING
21	4" WATER	62' Rt "SWR1" 16+57.71	36"	16.88	POTHOLING
20A	24" SEWER	85.59' Rt "D2" 231+46.40	35"	16.10	POTHOLING
20B	24" SEWER	72.38' Lt "D2" 231+43.31	40"	15.92	POTHOLING
18A	6" WATER	11.75' Rt "FRT1" 21+74.69	44"	16.40	POTHOLING
19A	6" WATER	25.48' Rt "FRT1" 26+26.57	37"	17.67	POTHOLING
313	60" SD	9.65' Lt "FRT1" 21+43.93	94"	10.92	POTHOLING

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

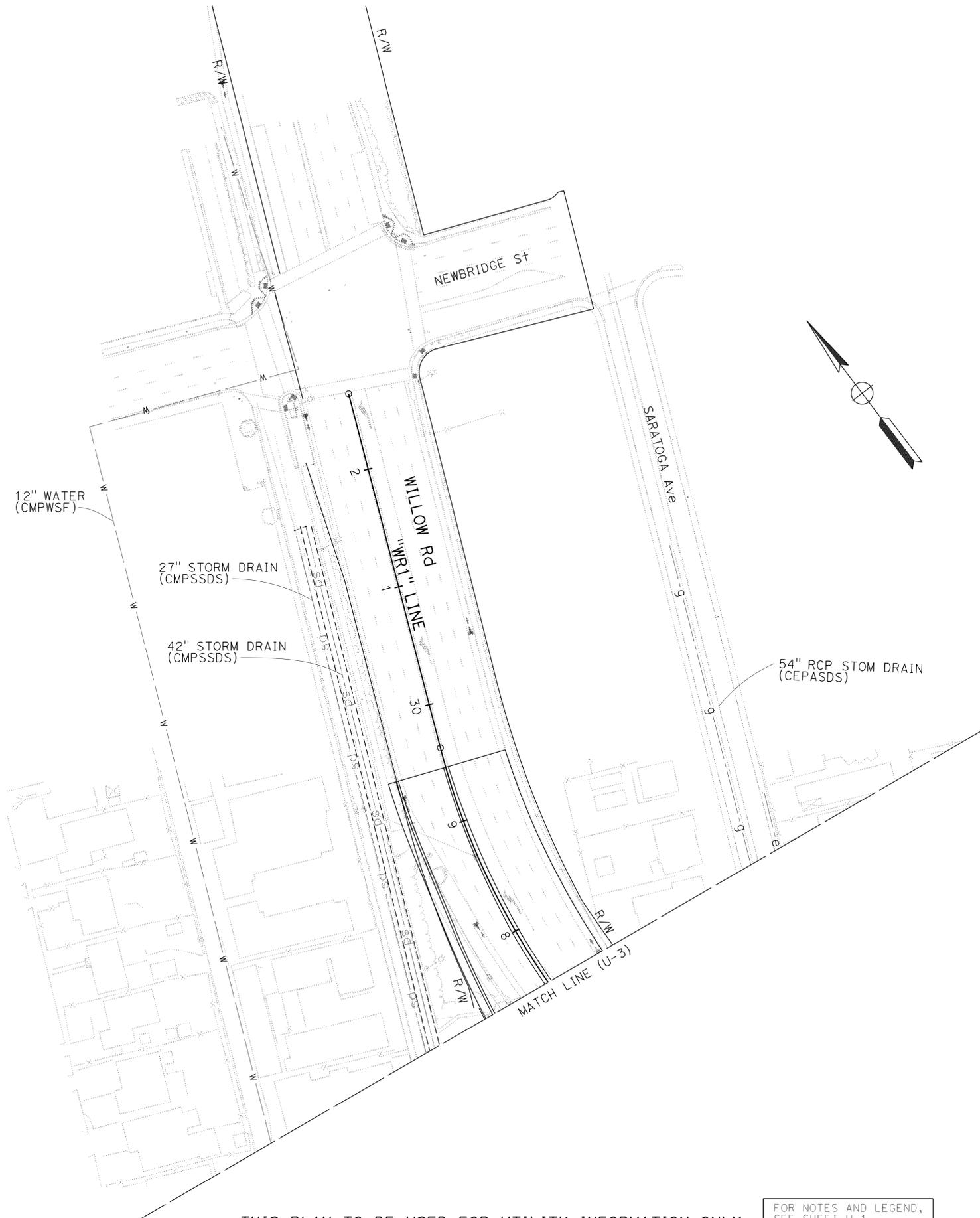
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

**UTILITY PLAN  
(LOCATION 2)**  
SCALE: 1" = 50'  
**U-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Caltrans  
 JASON HOM  
 YEV PHILIPOVITCH  
 RAMSEY J. HISEN  
 JH  
 JH  
 6-28-16  
 1-8-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	EDGAR URBANO	REVISOR	EU
			TEBLEZ NEMARIAM	CHECKED BY	10-16-15
Caltrans®	DESIGN				

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



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	107	568
			6-23-16	DATE	
			6-29-16	PLANS APPROVAL DATE	

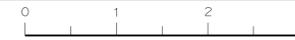
*Carlos M. Sandoval*  
REGISTERED CIVIL ENGINEER  
No. 82453  
Exp. 9-30-16  
CIVIL

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**UTILITY PLAN  
(LOCATION 2)**  
SCALE: 1" = 50'  
**U-6**



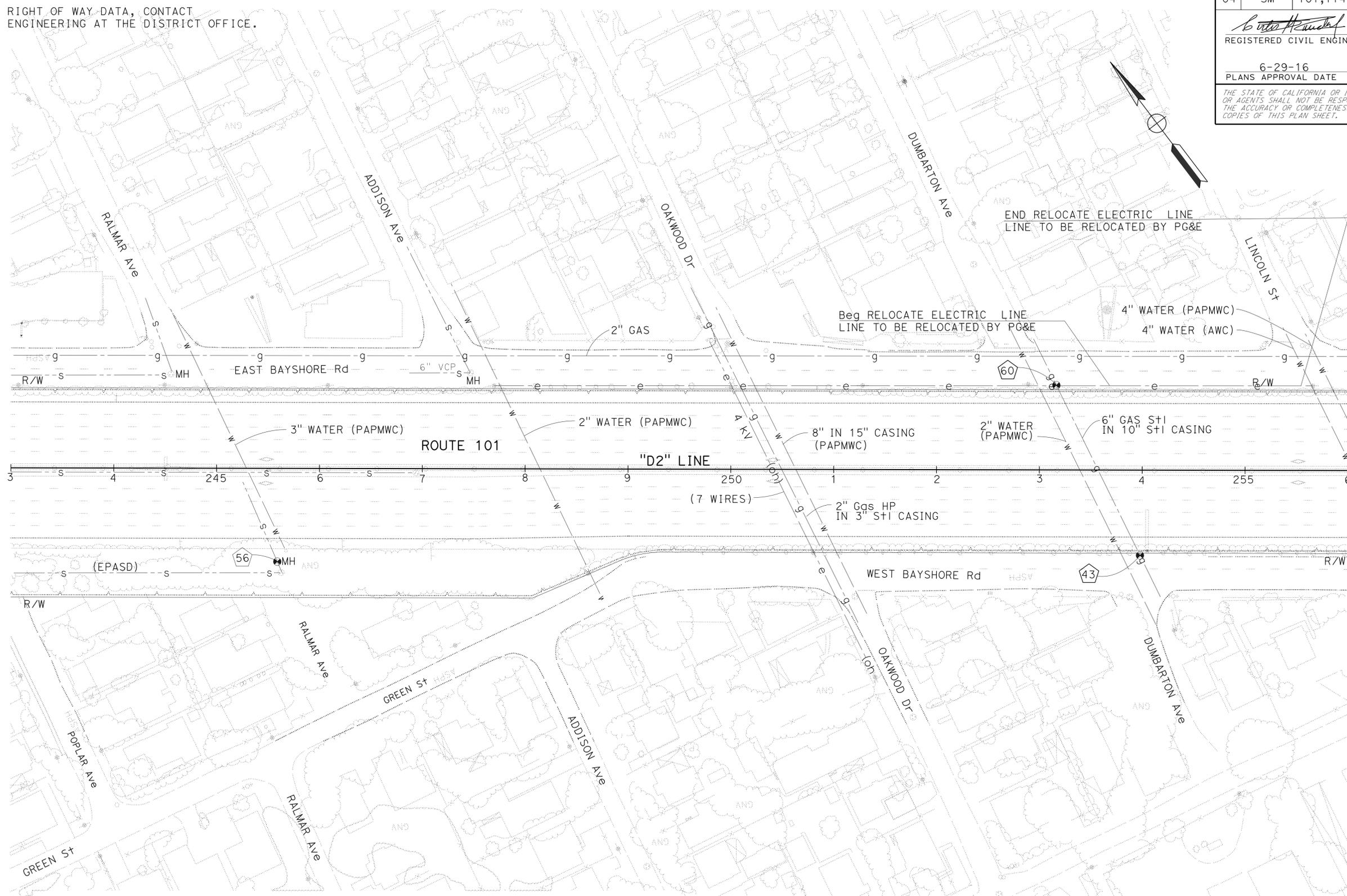
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	108	568

*Carlos M. Sandoval* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 No. 82453  
 Exp. 9-30-16  
 CIVIL  
 STATE OF CALIFORNIA

6-29-16  
 PLANS APPROVAL DATE

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**POSITIVE LOCATION INFORMATION**

No.	UTILITY	LOCATION	ELEVATION	METHOD
43	6" GAS	82.73' Rt "D2" 253+98.03	16.89	POTHOLING
56	6" SEWER	90.50' Rt "D2" 245+59.16	18.62	POTHOLING
60	6" GAS	82.16' Lt "D2" 253+16.40	19.83	POTHOLING

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

FOR NOTES AND LEGEND, SEE SHEET U-1

**UTILITY PLAN  
 (LOCATION 3)**

SCALE: 1" = 50'

**U-7**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CHECKED BY: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TEBLEZ NEMARTAM  
 REVISIONS: EDGAR URBANO, TEBLEZ NEMARTAM  
 REVISED BY: TEBLEZ NEMARTAM  
 DATE REVISED: 10-16-15  
 EU  
 10-16-15

LAST REVISION: DATE PLOTTED => 16-AUG-2016  
 10-29-15 TIME PLOTTED => 14:20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: RAMSEY J. HISSEN  
 CALCULATED/DESIGNED BY: CHECKED BY:  
 JASON HOM YEV PHILIPOVITCH  
 REVISOR: JASON HOM  
 DATE: 6-28-16  
 6-23-16  
 3-16-16  
 6-28-16

**NOTE:**  
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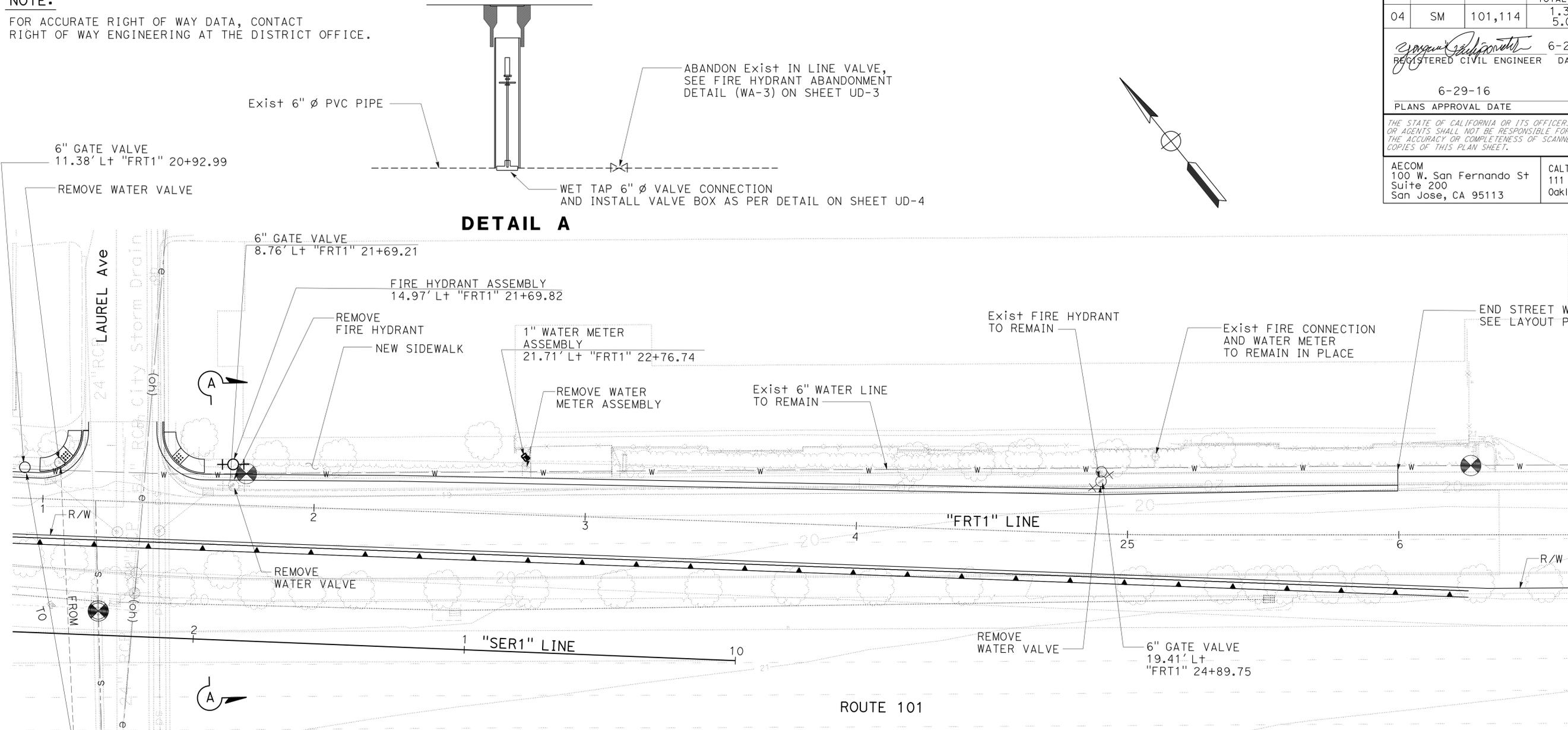
REGISTERED CIVIL ENGINEER DATE 6-28-16  
 Yev Philipovitch  
 No. C25392  
 Exp. 12-31-17  
 CIVIL  
 STATE OF CALIFORNIA

PLANS APPROVAL DATE 6-29-16

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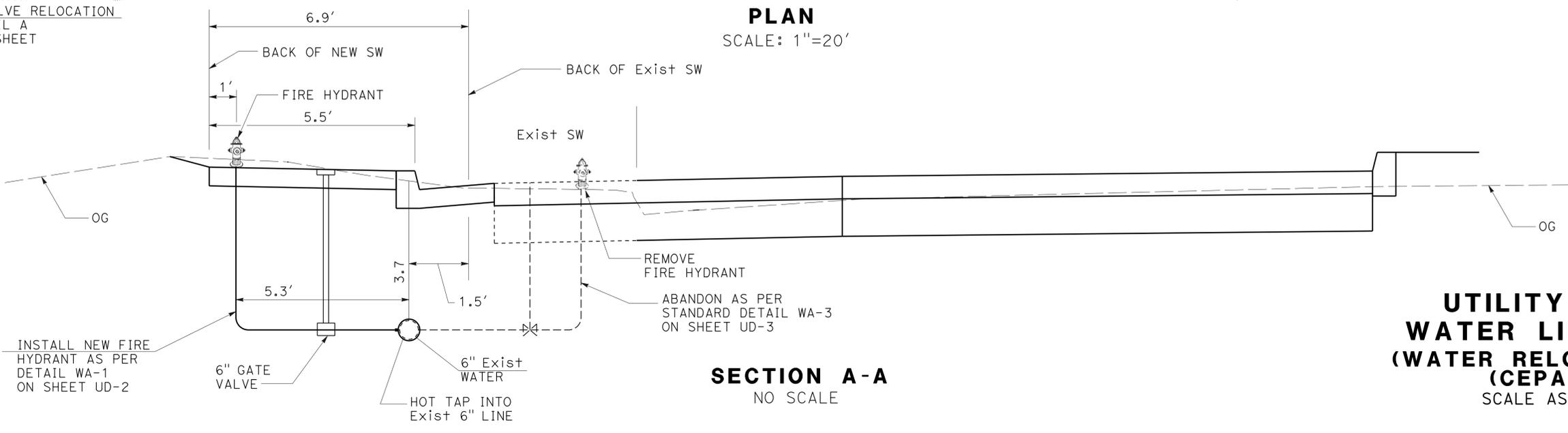
AECOM  
 100 W. San Fernando St  
 Suite 200  
 San Jose, CA 95113

CALTRANS  
 111 Grand Avenue  
 Oakland, CA 94612



**DETAIL A**

**PLAN**  
 SCALE: 1"=20'

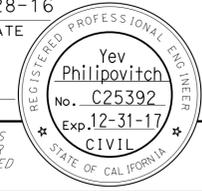


**SECTION A-A**  
 NO SCALE

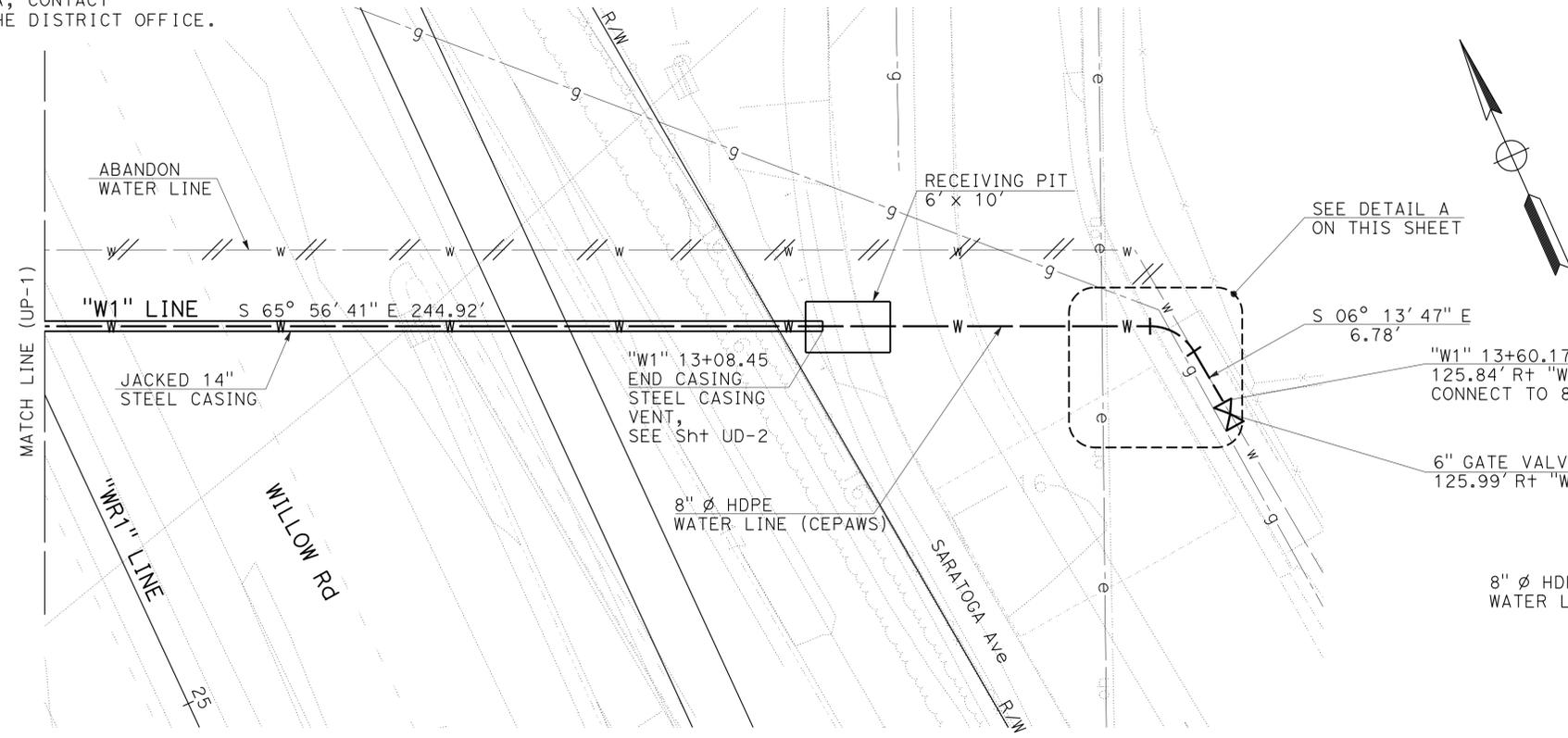
**UTILITY PLAN  
 WATER LINE PLAN  
 (WATER RELOCATION 4)  
 (CEPAWS)  
 SCALE AS SHOWN**

**U-8**

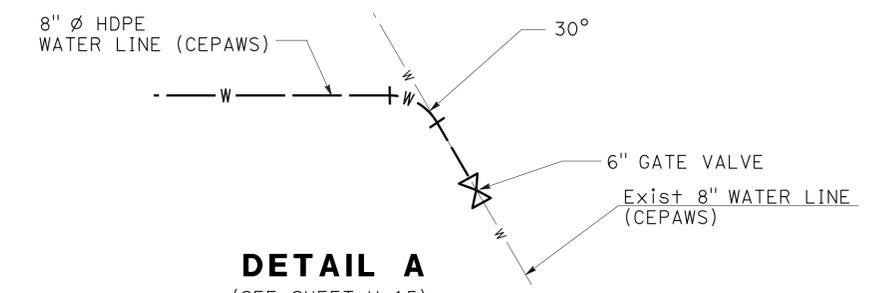


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04	SM	101,114	1.3/2.5, 5.0/5.3	111	568
REGISTERED CIVIL ENGINEER			DATE	6-28-16	
6-29-16			PLANS APPROVAL DATE		
					
AECOM 100 W. San Fernando St Suite 200 San Jose, CA 95113			CALTRANS 111 Grand Avenue Oakland, CA 94612		

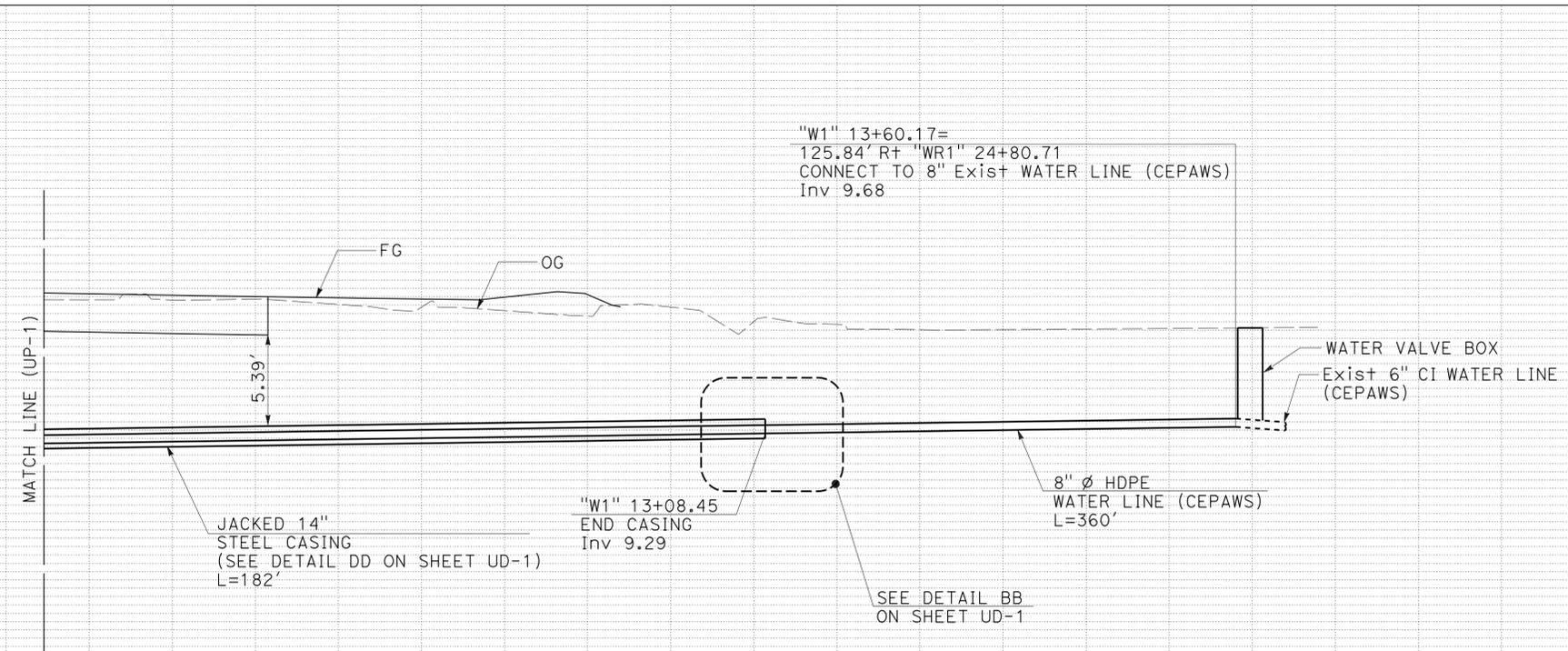
**NOTE:**  
FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



**PLAN**  
SCALE: 1" = 10'



**DETAIL A**  
(SEE SHEET U-15)



**PROFILE**  
SCALE: Horiz 1" = 10'  
Vert 1" = 5'  
**"W1" LINE**  
**8" WATER LINE - WATER RELOCATION 1**

**UTILITY PROFILES**  
**WATER LINE**  
**(WATER RELOCATION 1)**  
**(CEPAWS)**  
SCALE AS SHOWN

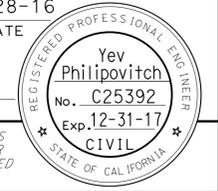
**UP-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	REVISOR	DATE
	RAMSEY J. HISSEN	JH	6-28-16
		JH	1-8-16
		REVISOR	DATE
		JASON HOM	YEV PHILIPOVITCH
		CALCULATED/DESIGNED BY	CHECKED BY

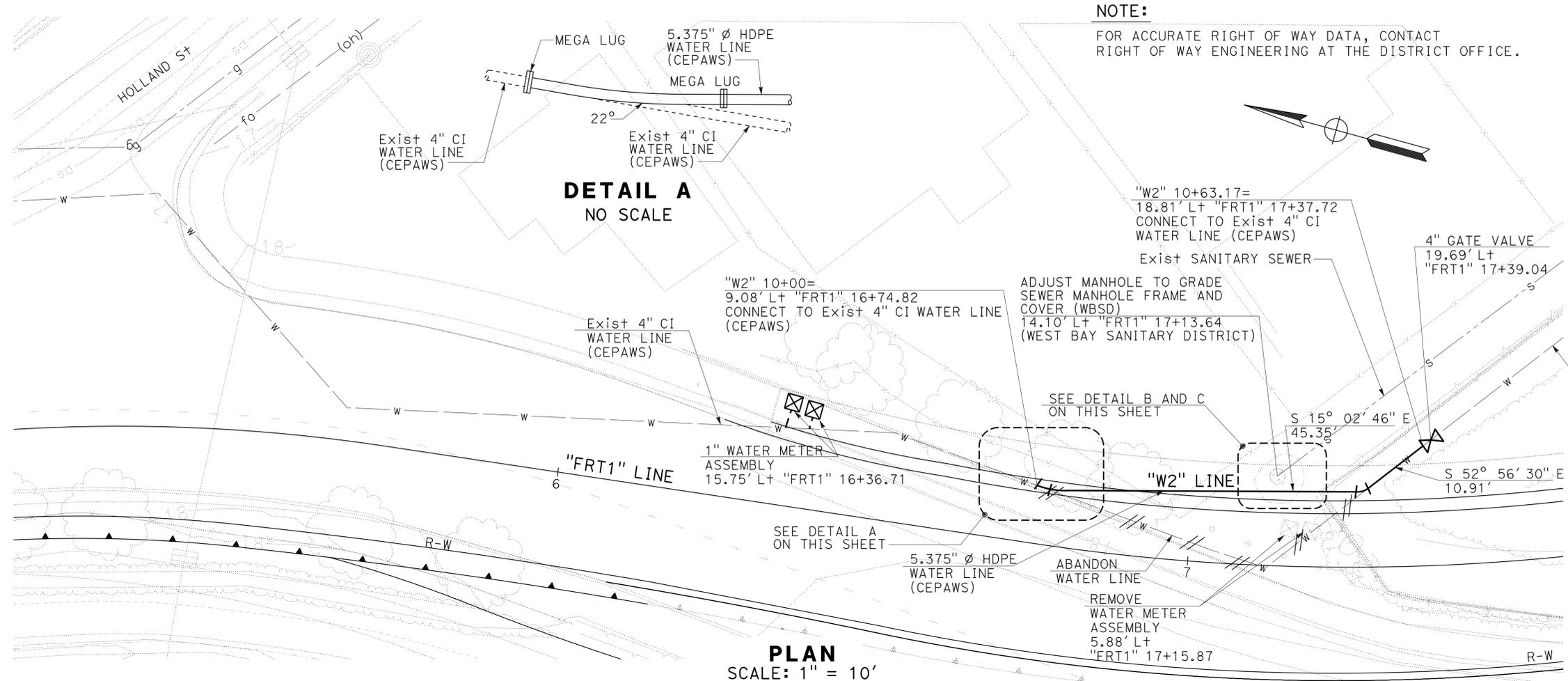
LAST REVISION DATE PLOTTED => 16-AUG-2016 06-28-16 TIME PLOTTED => 14:20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT SUPERVISOR	RAMSEY J. HISEN	CHECKED BY	YEV PHILIPOVITCH	DESIGNED BY	JASON HOM	REVISOR	JH	3-10-16	DATE	3-10-16	REVISION	JH	5-18-16	DATE	5-18-16	REVISION	JH	6-28-16	DATE	6-28-16
	FUNCTIONAL SUPERVISOR		CHECKED BY		DESIGNED BY		REVISOR			DATE		REVISION			DATE		REVISION			DATE	
	TRANSPORTATION		CHECKED BY		DESIGNED BY		REVISOR			DATE		REVISION			DATE		REVISION			DATE	
	CALIFORNIA		CHECKED BY		DESIGNED BY		REVISOR			DATE		REVISION			DATE		REVISION			DATE	

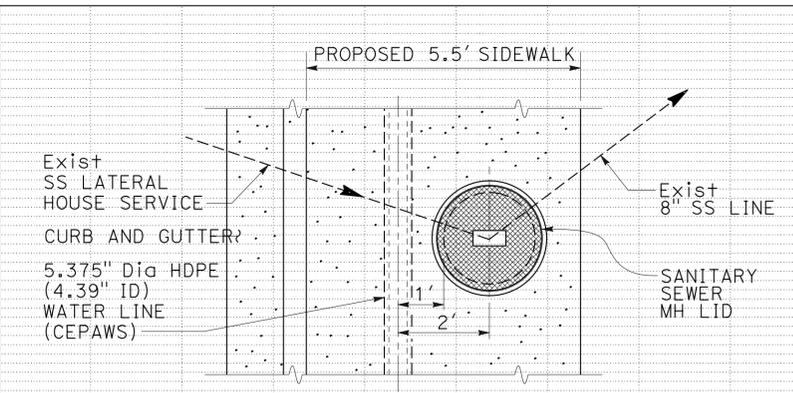
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	112	568
REGISTERED CIVIL ENGINEER			DATE		
6-29-16			6-28-16		
PLANS APPROVAL DATE					
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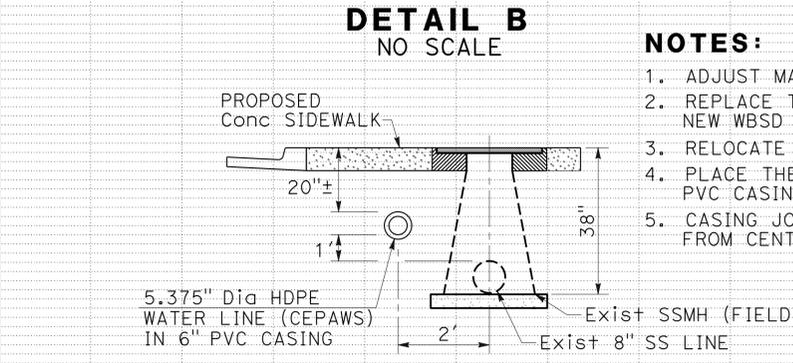
**NOTE:**  
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



**PLAN**  
SCALE: 1" = 10'



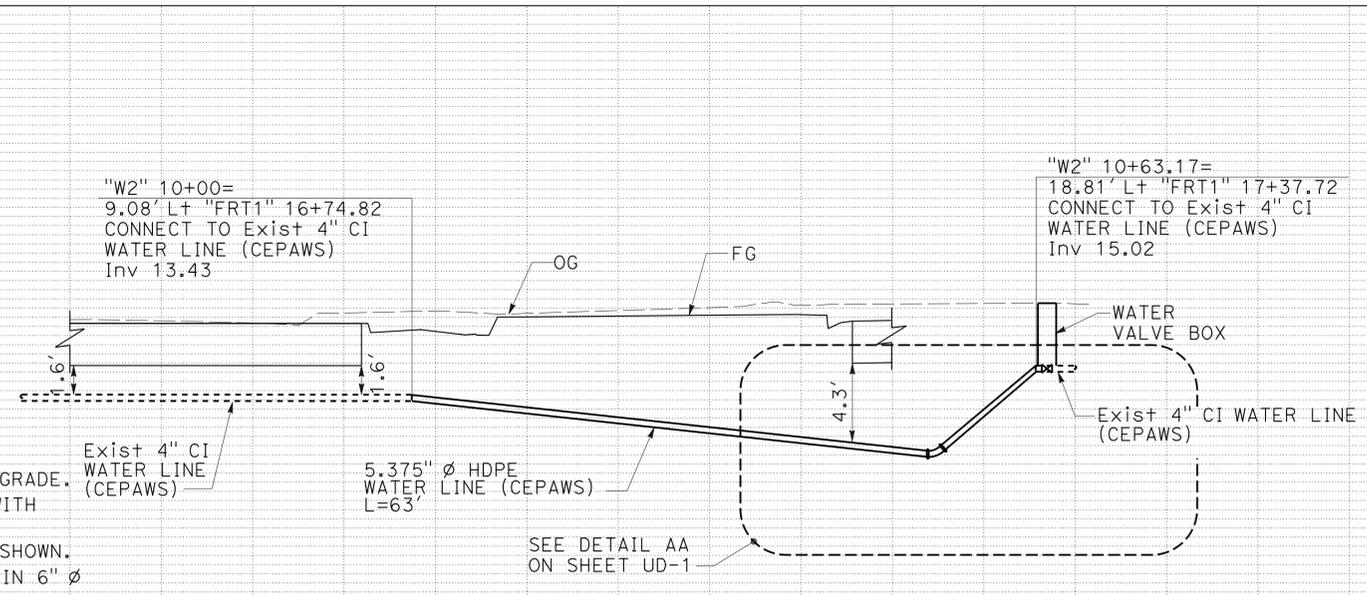
**DETAIL B**  
NO SCALE



**DETAIL C**  
NO SCALE

**SANITARY SEWER MANHOLE DETAILS**

- NOTES:**
1. ADJUST MANHOLE TO SIDEWALK GRADE.
  2. REPLACE THE MANHOLE COVER WITH NEW WBSD MANHOLE COVER.
  3. RELOCATE THE WATER LINE AS SHOWN.
  4. PLACE THE 5.375" WATER LINE IN 6" Ø PVC CASING.
  5. CASING JOINTS MUST BE Min 5' AWAY FROM CENTERLINE OF MANHOLE.



**PROFILE**  
SCALE: Horiz 1" = 10'  
Vert 1" = 5'

**5.375" WATER LINE - WATER RELOCATION 2 UTILITY PROFILES AND SANITARY SEWER MANHOLE (WATER RELOCATION 2) (CEPAWS) SCALE AS SHOWN UP-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: RAMSEY J. HISSEN  
 JASON HOM  
 YEV PHILIPOVITCH  
 REVISIONS:  
 JH 6-28-16  
 JH 5-23-16  
 JH 1-8-16  
 REVISED BY: DATE REVISED:  
 JH 6-28-16  
 JH 5-23-16  
 JH 1-8-16

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

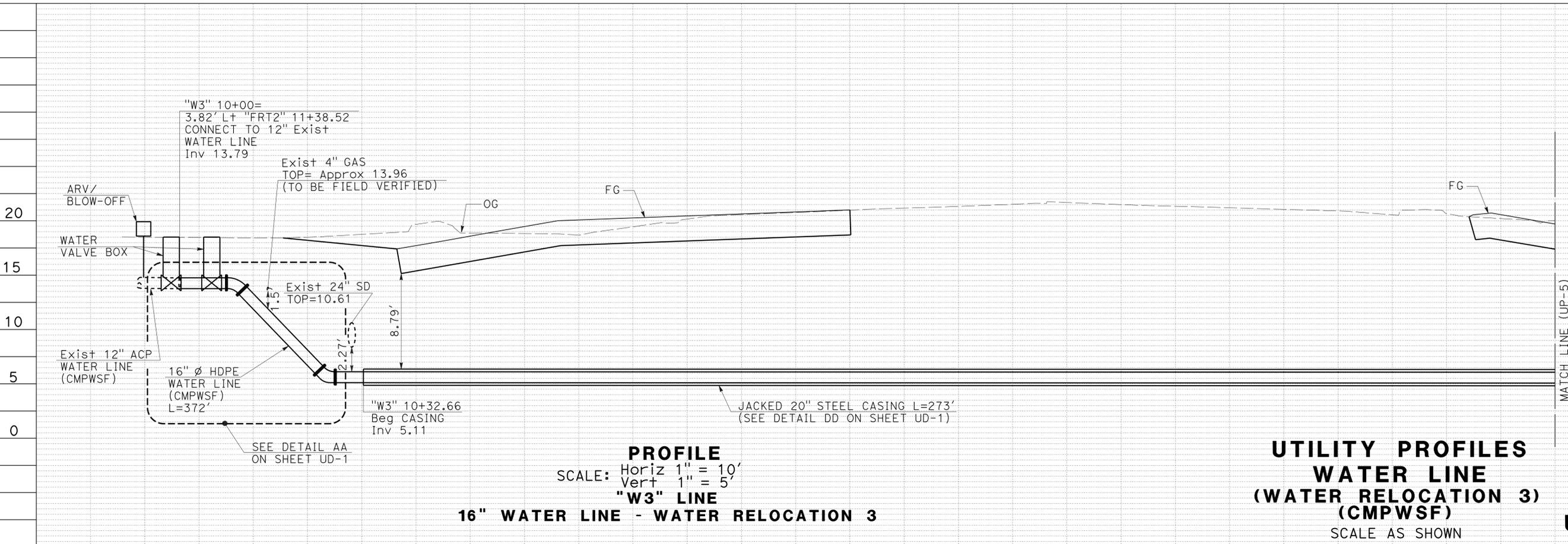
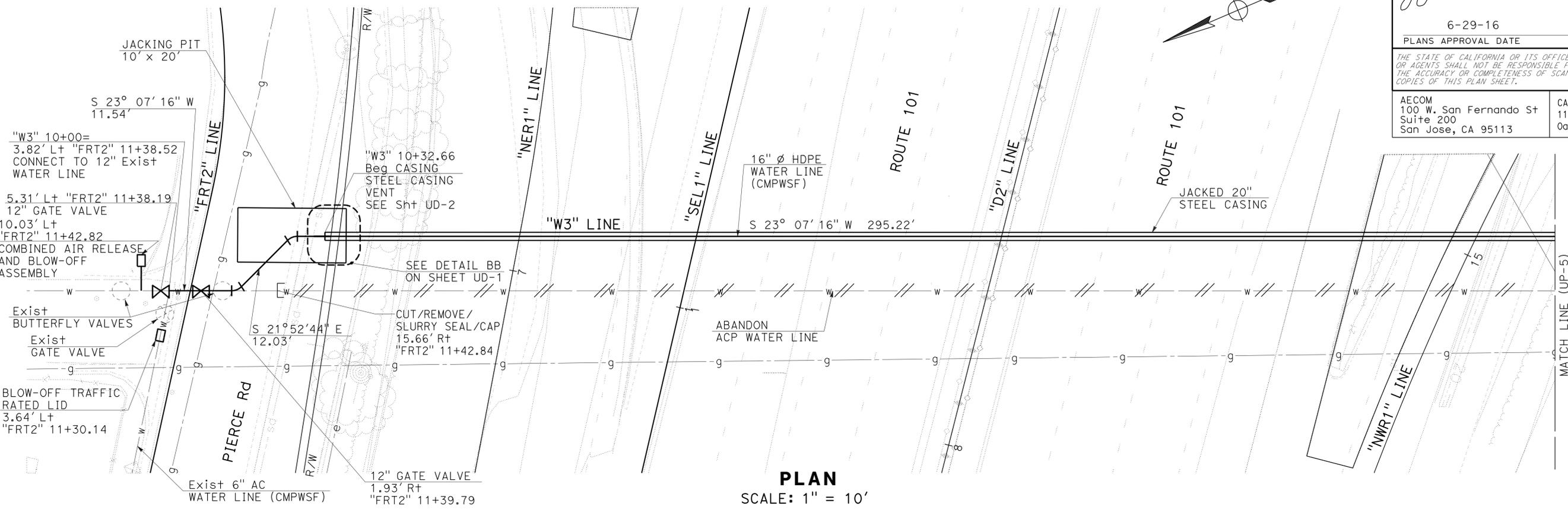
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	113	568

6-28-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

Yev Philipovitch  
 No. C25392  
 Exp. 12-31-17  
 CIVIL  
 STATE OF CALIFORNIA

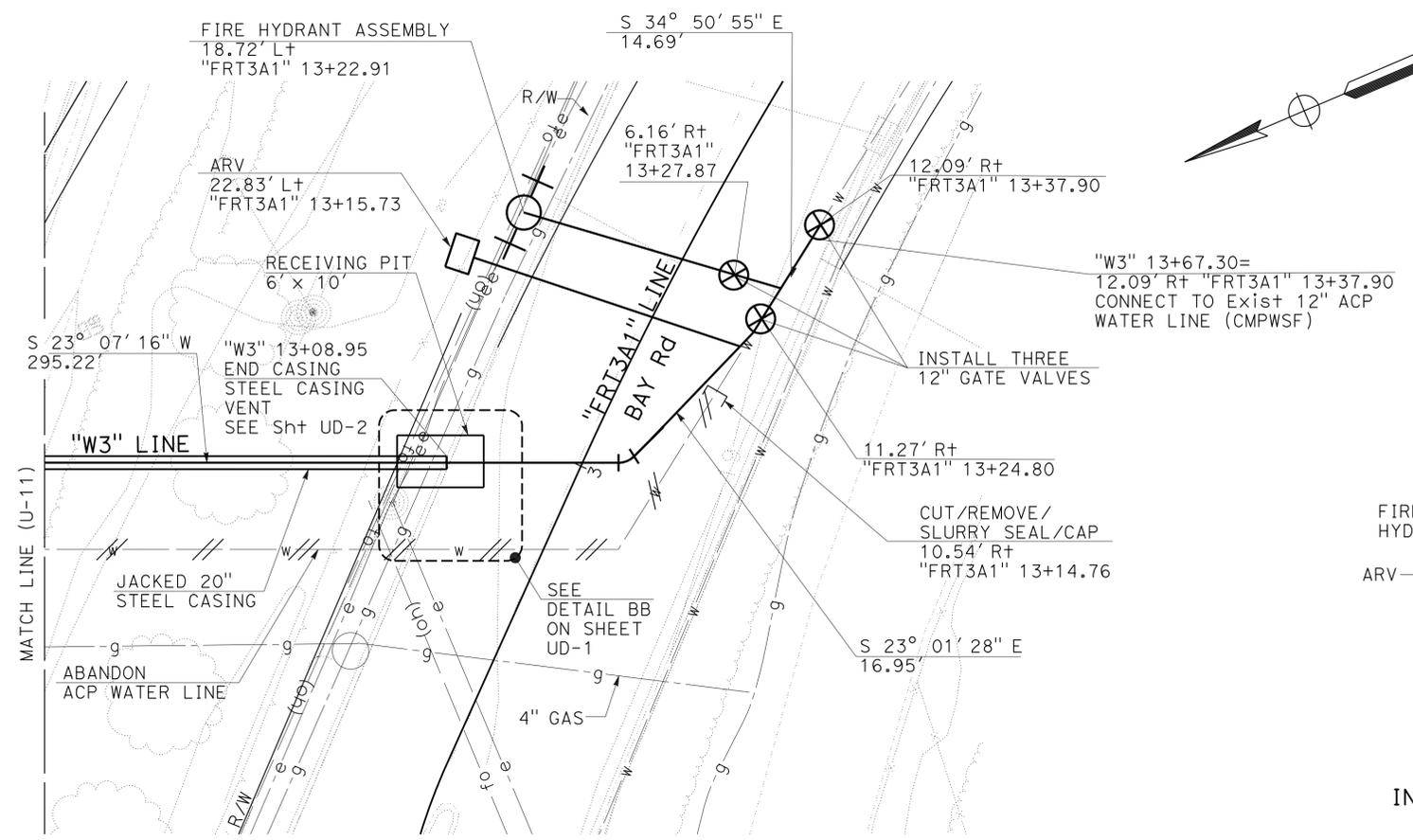
AECOM  
 100 W. San Fernando St  
 Suite 200  
 San Jose, CA 95113

CALTRANS  
 111 Grand Avenue  
 Oakland, CA 94612

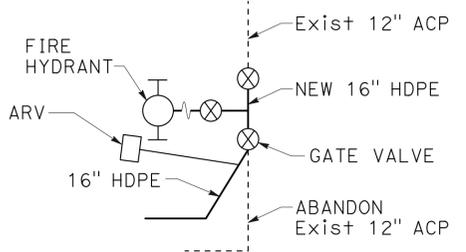


JH	6-28-16	REVISOR	JASON HOM	CALCULATED/DESIGNED BY	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	RAMSEY J. HISEN
JH	5-23-16	REVISOR	JASON HOM	CHECKED BY	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	RAMSEY J. HISEN
JH	3-16-16	REVISOR	JASON HOM	CHECKED BY	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	RAMSEY J. HISEN
JH	6-28-16	REVISOR	JASON HOM	CHECKED BY	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	RAMSEY J. HISEN

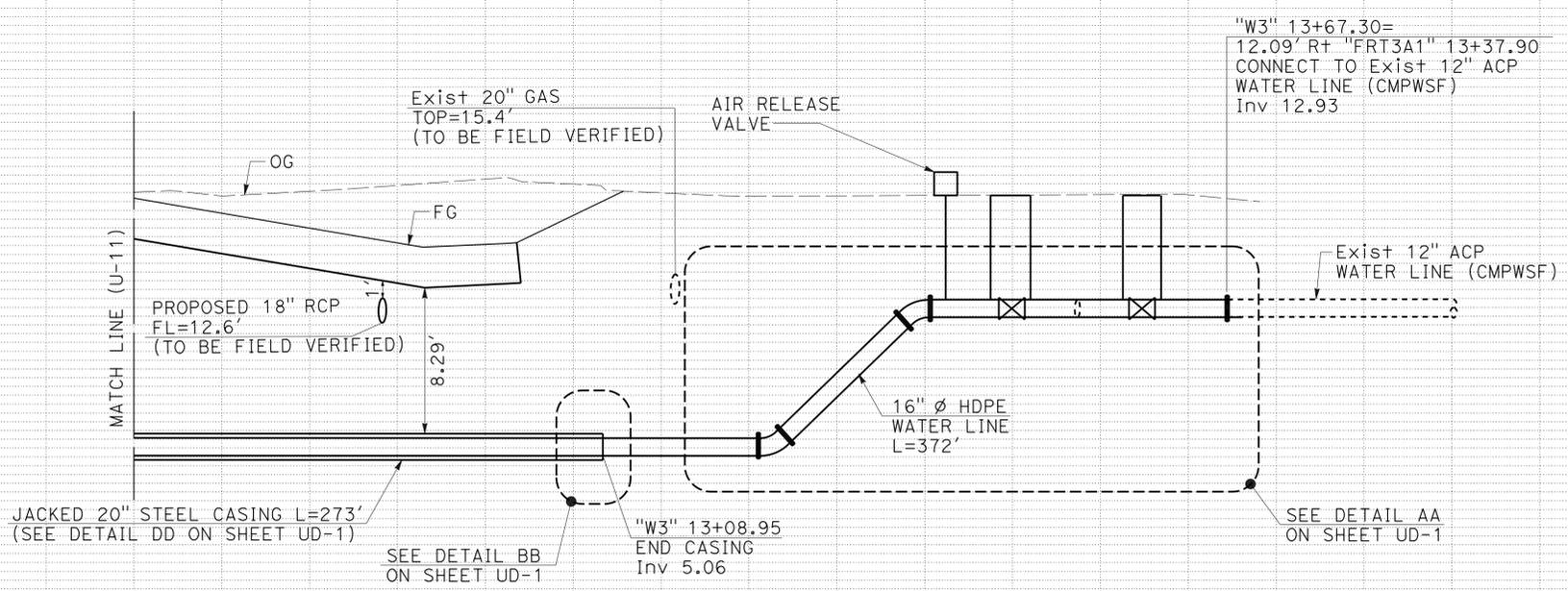
**NOTE:**  
FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



**PLAN**  
SCALE: 1" = 10'



**DETAIL A**  
INSTALL THREE GATE VALVES  
AND A FIRE HYDRANT



**PROFILE**  
SCALE: Horiz 1" = 10'  
Vert 1" = 5'  
**"W3" LINE**  
**16" WATER LINE - WATER RELOCATION 3**

**UTILITY PROFILES**  
**WATER LINE**  
**(WATER RELOCATION 3)**  
**(CMPWSF)**  
SCALE AS SHOWN  
**UP-5**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	114	568

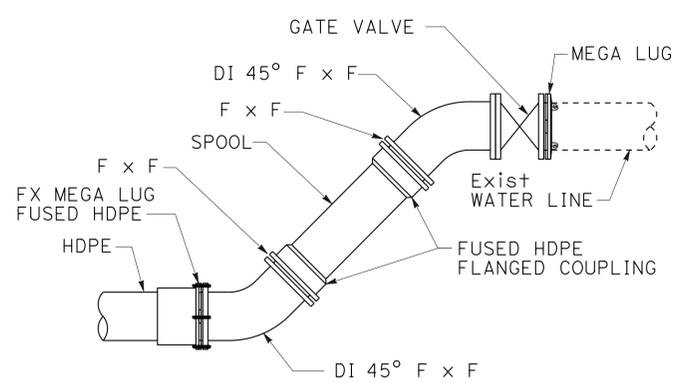
REGISTERED CIVIL ENGINEER DATE 6-28-16  
Yev Philipovitch No. C25392 Exp. 12-31-17 CIVIL

PLANS APPROVAL DATE 6-29-16

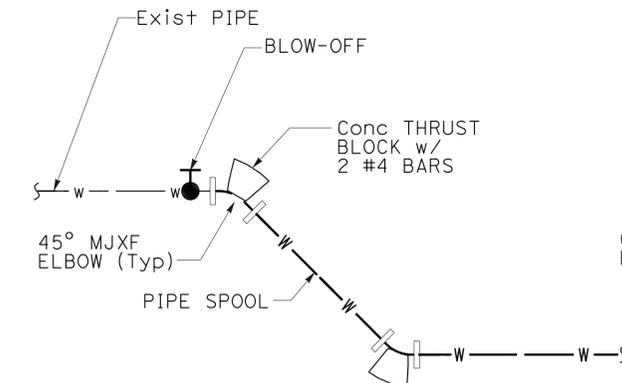
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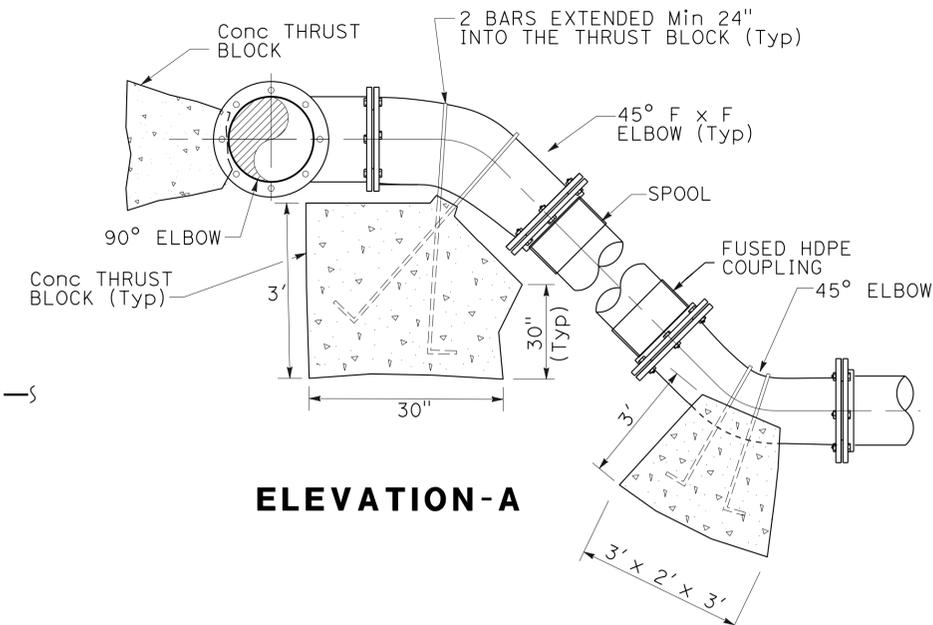




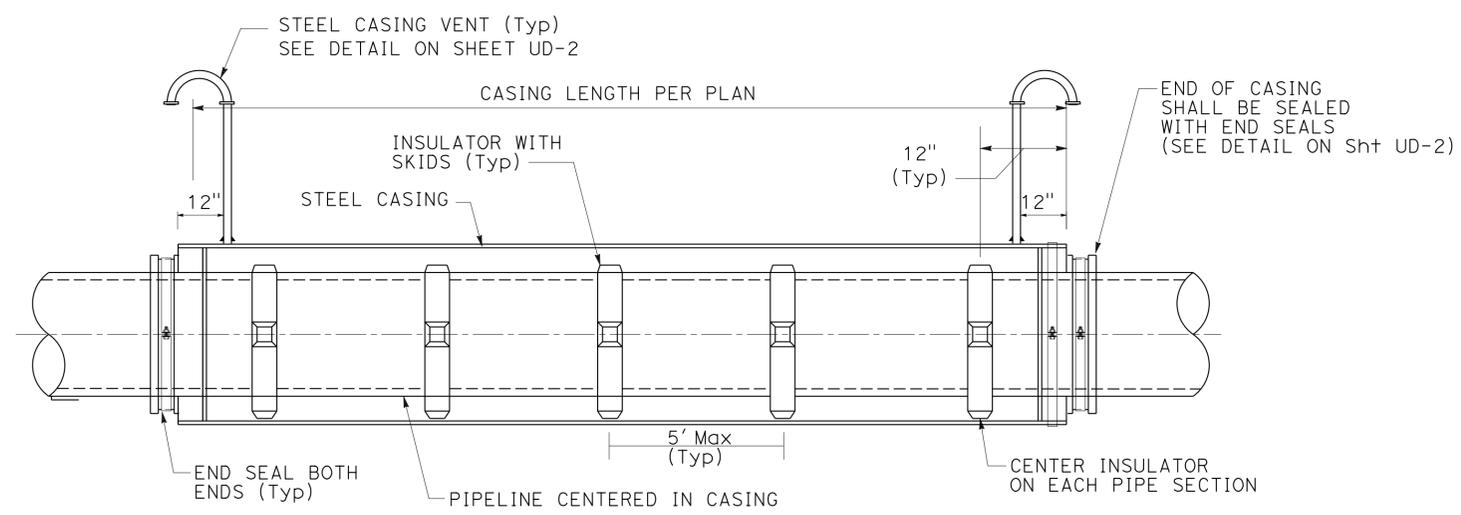
**AA WATER PIPE RELOCATION**



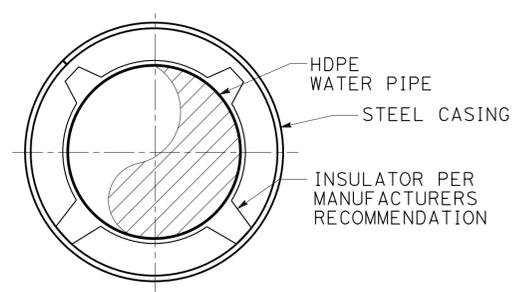
**C SCHEMATIC PLAN**  
See ELEVATION A



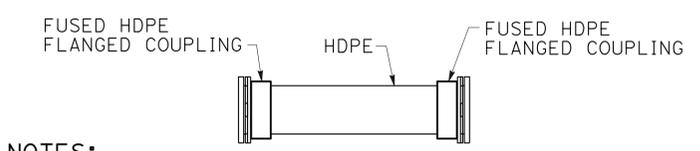
**ELEVATION-A**



**DD STEEL CASING DETAIL**



**TYPICAL WATERLINE IN CASING**



**CC HDPE SPOOL**

- NOTES:**
1. WHEN CONNECTING TO EXISTING AC PIPE, USE ADAPTOR SLEEVE SPECIFICALLY DESIGNED FOR AC PIPE, IN LIEU OF MEGA LUG.
  2. THE LENGTH OF THE SPOOL, SHALL BE FIELD DETERMINED AFTER THE DEPTH OF EXISTING PIPE VERIFIED BY POTHOLE AND AS DIRECTED BY THE ENGINEER.
  3. THE SPOOL MATERIAL MAY BE PVC OR HDPE.
  4. INSTALL GATE VALVE WHERE SHOWN ON THE PLANS.
  5. PROVIDE ANY ADAPTORS THAT MAY BE REQUIRED TO CONNECT STANDARD DIAMETER METALLIC JOINT TO HDPE PIPE.

**HORIZONTAL THRUST PER SQUARE FOOT THRUST BLOCK DIMENSIONS**  
(SOIL BEARING: 1=1000 psf, 2=1500 psf)

OD	90° BENDS		45° BENDS		TEE/PLUG BENDS	
	1	2	1	2	1	2
4	3.5	2.5	2	1.5	2.5	1.5
6	8	3	4.5	3	6	4
8	14	9.5	8	5.5	10	7
10	22.5	15	12.5	8	16	10.5
12	32	21	18	12	22.5	15

NOTE: ASSUME 1000 psf, UNLESS KNOWN.

**DIMENSIONS OF PROPOSED HDPE PIPE AND STEEL CASING**

ITEM	PROJECT PIPE Dia	HDPE PIPE DESIGNATION	HDPE PIPE Dia	HDPE PIPE ID Dia	ACTUAL HDPE OD Dia	STEEL CASING Dia
1	4"	SDR11	5.375"	4.39"	5.40"	12"
2	6"	SDR11	8"	7.05"	8.6"	14"
3	8"	SDR9 (200 psi)	10"	8.29"	10.67"	16"
4	12"	SDR9 (200 psi)	16"	12.34"	15.91"	20"

NOTE: PIPE DIAMETERS SPECIFIED ON THE PLANS ARE MINIMUM INSIDE DIAMETER. USE THIS CHART FOR EQUIVALENT HDPE PIPE DIAMETERS TO BE USED.

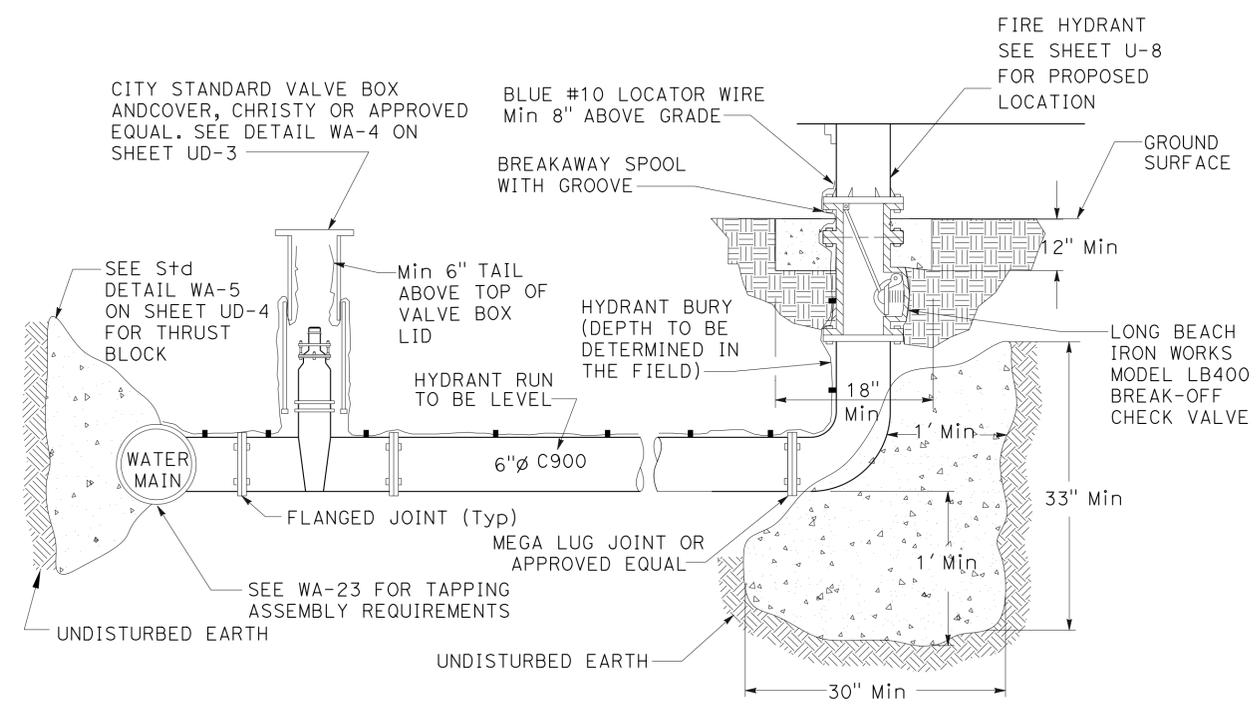
**UTILITY DETAILS**  
**WATER LINE DETAILS**  
NO SCALE  
**UD-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 JASON HOM  
 YEV PHILLIPOVITCH  
 RAMSEY J. HISSEN

LAST REVISION DATE PLOTTED => 16-AUG-2016  
 06-28-16 TIME PLOTTED => 14:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	117	568
 REGISTERED CIVIL ENGINEER			6-28-16	DATE	
PLANS APPROVAL DATE			6-29-16		
					
AECOM 100 W. San Fernando St Suite 200 San Jose, CA 95113			CALTRANS 111 Grand Avenue Oakland, CA 94612		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGNED BY	REVISOR	DATE
	JASON HOM	JH	1-8-16
	YEV PHILIPOVITCH	JH	6-28-16
CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY	REVISOR
RAMSEY J. HISSEN			

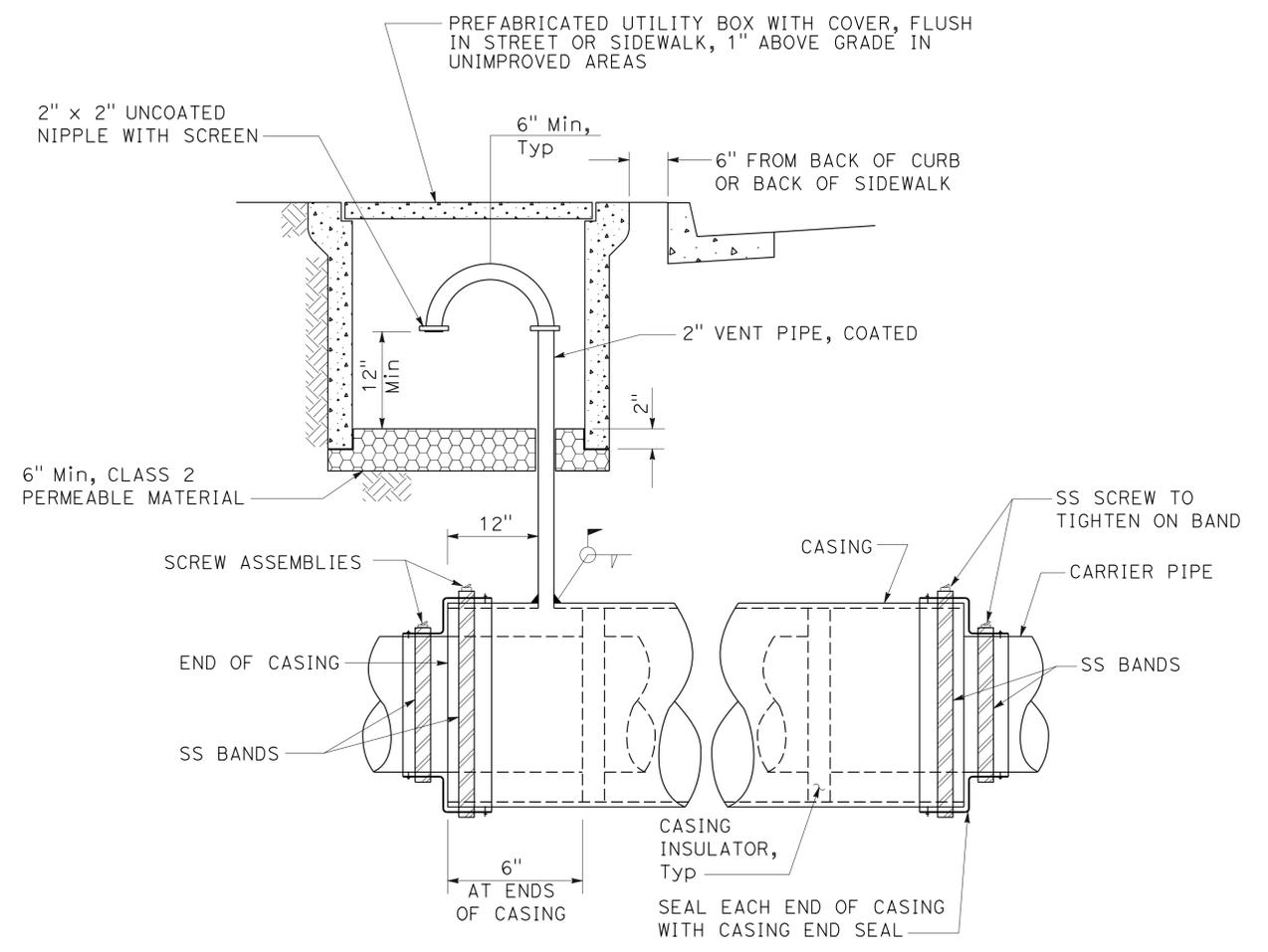


**PROFILE VIEW**

**NOTES:**

- FOR BELOW-GRADE THRUST BLOCK, SEE DETAIL WA-5 ON SHEET UD-4.

**FIRE HYDRANT ASSEMBLY (WA-1)**

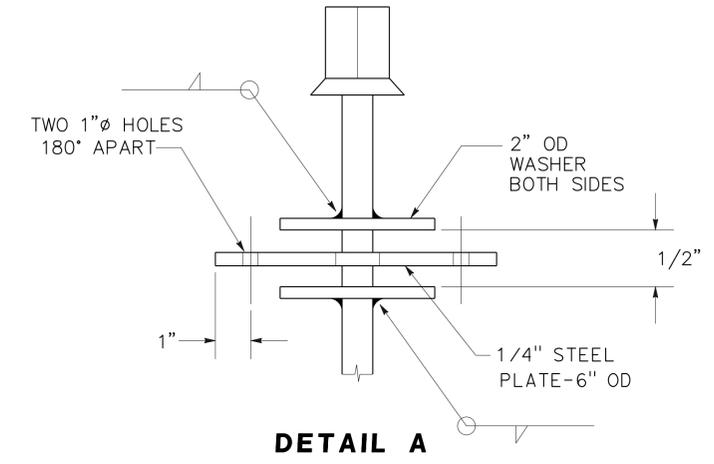
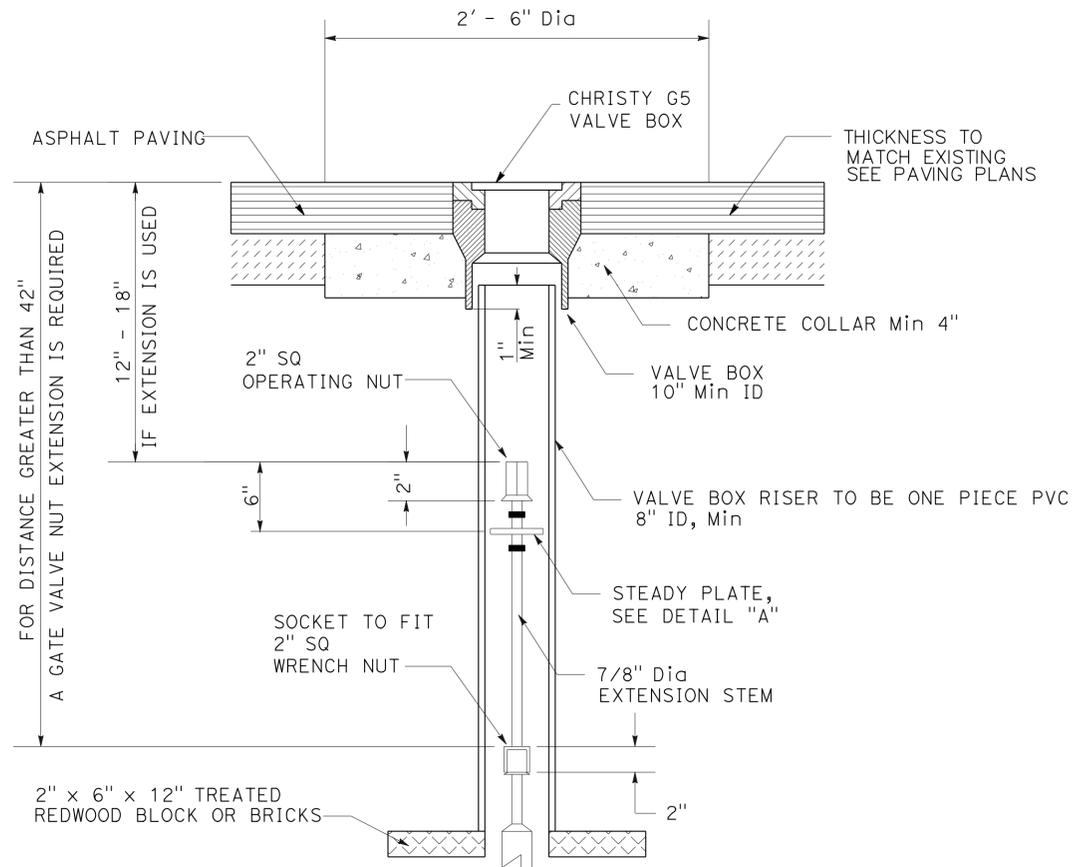
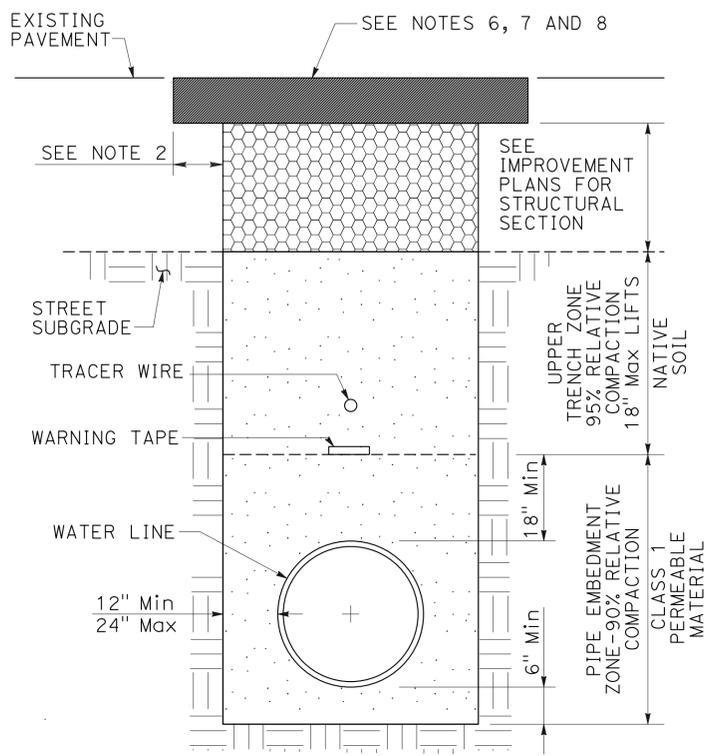


**STEEL CASING VENT**

**UTILITY DETAILS  
STANDARD DETAILS-A  
NO SCALE  
UD-2**



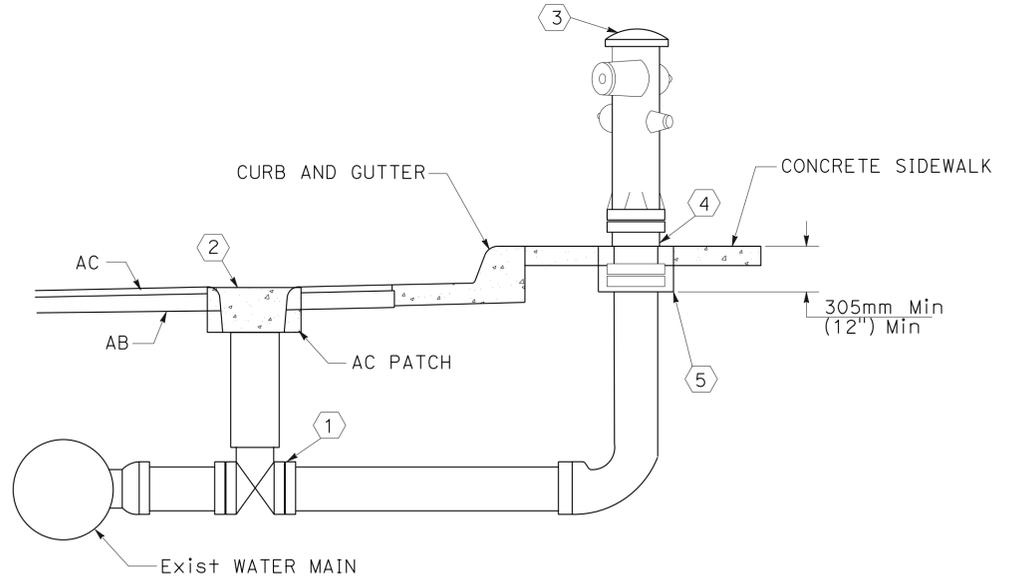
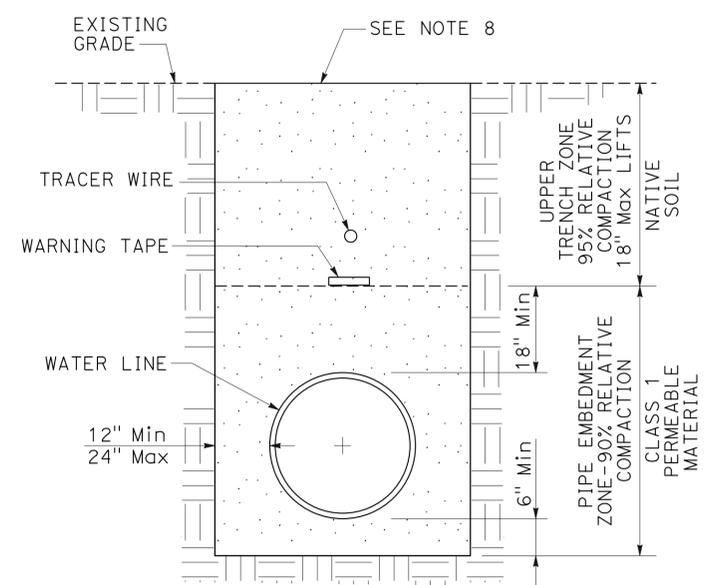
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	118	568
 REGISTERED CIVIL ENGINEER			6-28-16	DATE	
6-29-16 PLANS APPROVAL DATE					
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**WATER VALVE BOX DETAIL**

- NOTES:
1. VALVE BOX SHALL BE CHRISTY G-5 WITH COVER MARKED "WATER."
  2. CONCRETE SHALL BE 6 SACK MIX, 3/4" Max AGGREGATE SIZE AND PER SECITON 90-2.
  3. AFTER PAVING, RAISE VALVE BOX TO PERMANENT GRADE, CAST CONCRETE COLLAR AND PAVE FLUSH TO GRADE.

**WATER VALVE BOX INSTALLATION (WA-4)**



**REMOVE FIRE HYDRANT (WA-3)**

**UTILITY DETAILS  
STANDARD DETAILS-A  
NO SCALE  
UD-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT: JASON HOM, YEV PHILIPOVITCH, RAMSEY J. HISSSEN  
 REVISIONS: JH 6-28-16, JH 1-8-16  
 USERNAME => s132175, DGN FILE => 0400000680k003.dgn



LAST REVISION DATE PLOTTED => 16-AUG-2016 06-28-16 TIME PLOTTED => 14:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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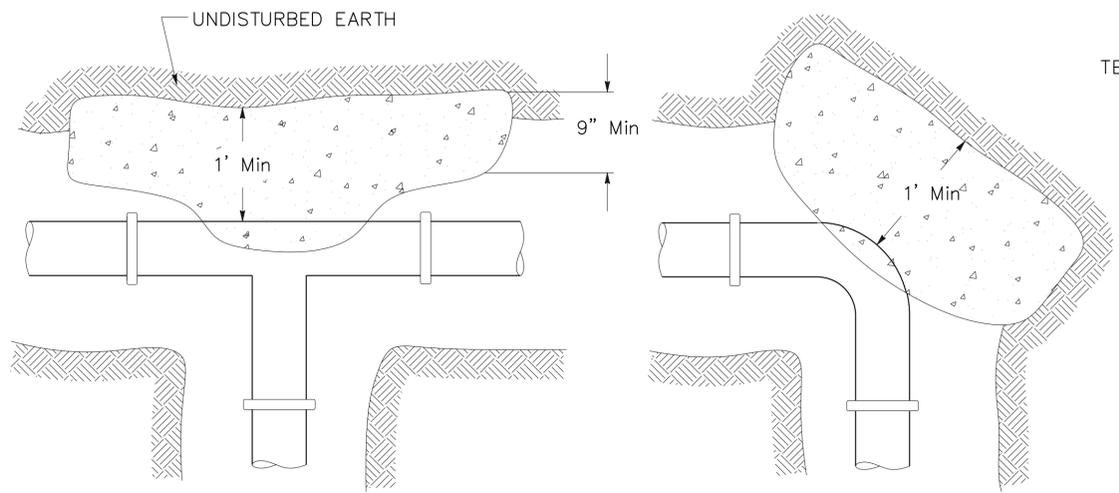
REGISTERED CIVIL ENGINEER  
 Yev Philipovitch  
 No. C25392  
 Exp. 12-31-17  
 CIVIL  
 STATE OF CALIFORNIA

6-28-16  
 DATE  
 6-29-16  
 PLANS APPROVAL DATE

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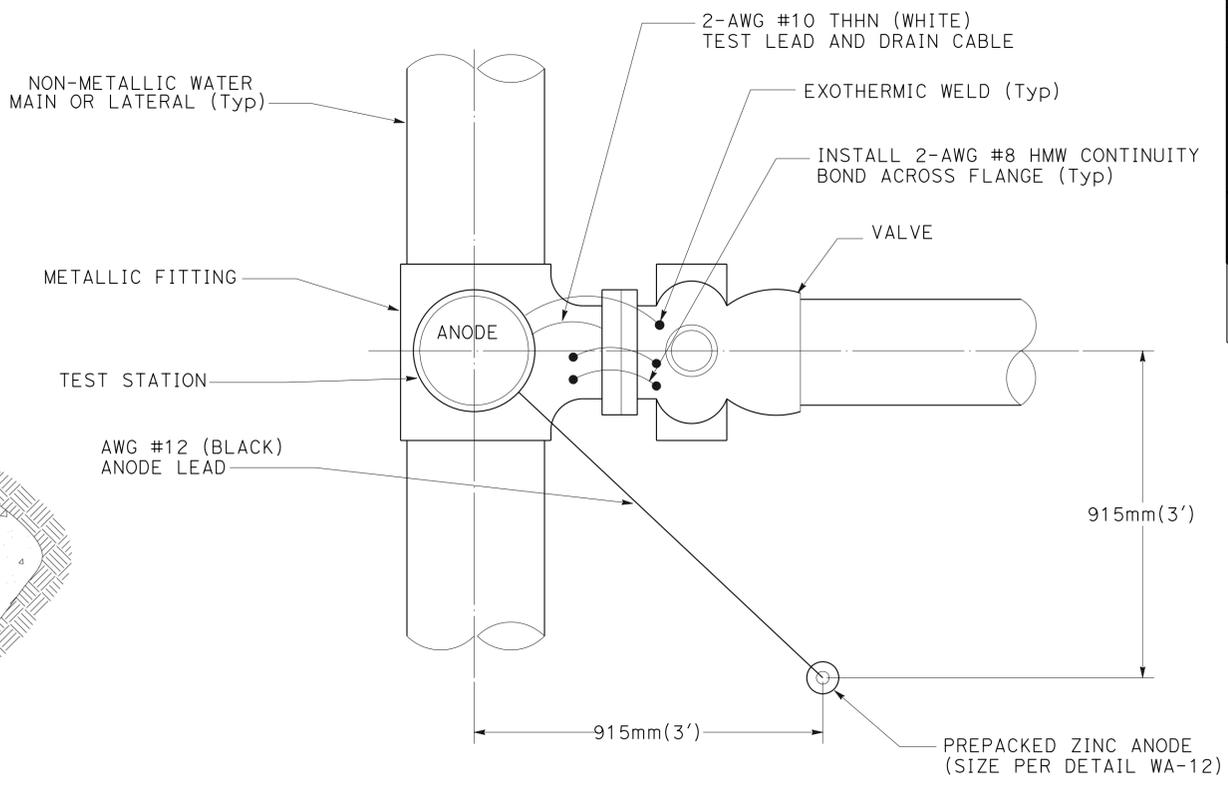
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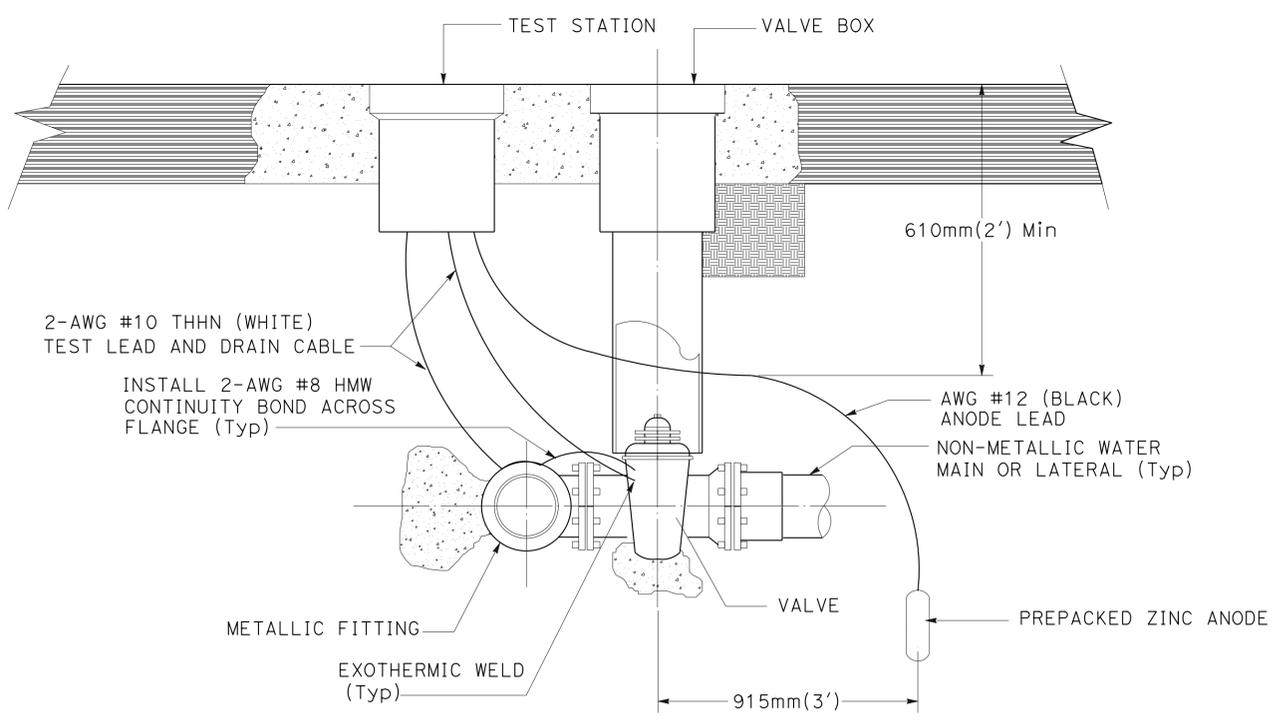
SIZE OF BRANCH PIPE	MINIMUM REQUIRED BEARING AREAS - IN SQUARE FEET									
	TYPICAL CLAY SOIL (1000 psf)					CLEAN GRANULAR SOIL (2500 psf)				
	11 1/4°	22 1/2°	45°	90°	Tee	11 1/4°	22 1/2°	45°	90°	Tee
4"					2.5					2.0
6"	2.0	2.0	3.0	5.5	4.0	2.0	2.0	2.0	2.0	2.0
8"	2.0	2.5	5.0	9.5	6.5	2.0	2.0	2.0	4.0	3.0
12"	3.0	6.0	11.5	21.5	15.5	2.0	2.5	5.0	9.0	6.0
16"	5.0	10.5	20.5	38.0	27.0	2.0	4.0	8.0	15.0	11.0

- NOTES:**
1. ALL NUTS, BOLTS AND COUPLINGS SHALL BE KEPT CLEAR OF CONCRETE.
  2. ALL BLOCKS MUST BEAR AGAINST UNDISTURBED EARTH.
  3. REINFORCING STEEL, 4 @ 12" C.C REQUIRED FOR BLOCKS LARGER THAN 5 SQ.FT. OR AS DIRECTED BY THE ENGINEER.
  4. CONCRETE FOR THRUST BLOCK SHALL BE CLASS B (5 SACKS) @ 2500 psi Minimum.
  5. FOR PIPE COVERING REQUIREMENTS, SEE SPECIFICATIONS.
  6. MECHANICAL OR FLANGED JOINTS, COUPLINGS AND CONNECTIONS REQUIRED (NO PUSH ON JOINTS ALLOWED).

**THRUST BLOCKING FOR TEES AND BENDS (WA-5)**



**VALVE**



**PROFILE**

**NOTE:**  
CONTRACTOR SHALL NOT BRING UP ANY CATHODIC PROTECTION. WIRES IN VALVE BOX.

**CATHODIC PROTECTION AND TEST STATION (WA-7)**

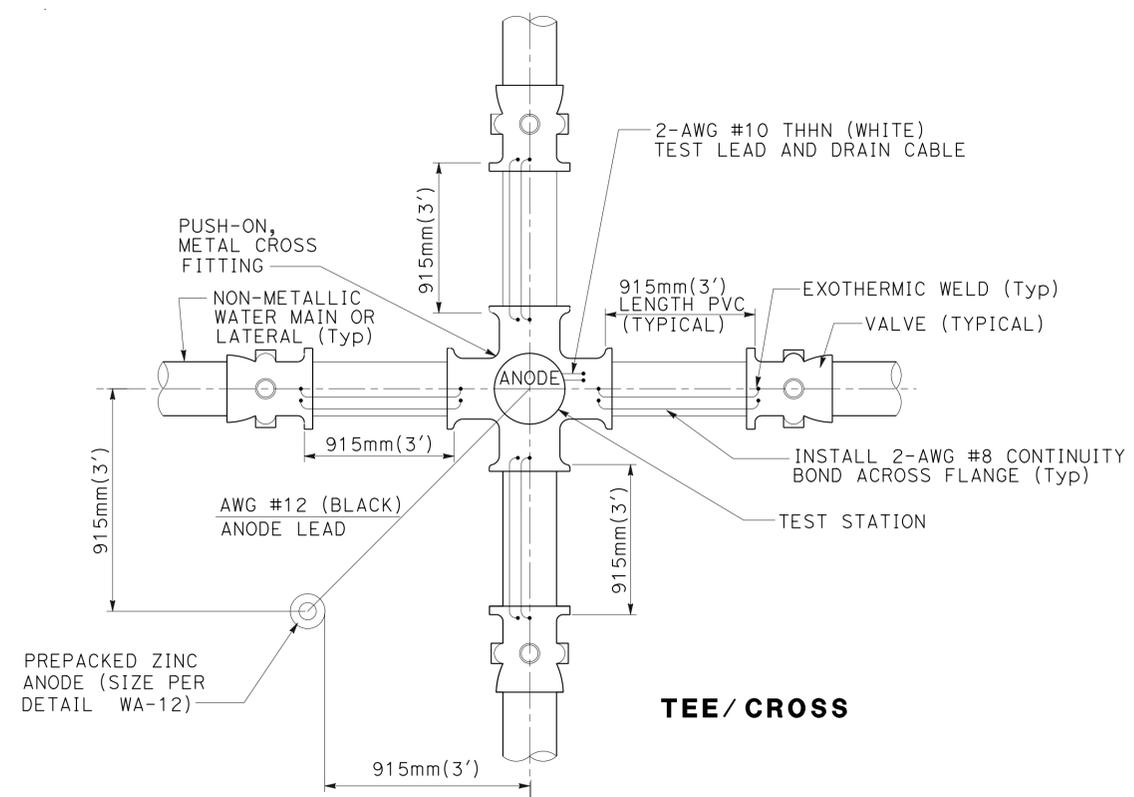
**UTILITY DETAILS STANDARD DETAILS-A**  
NO SCALE

**UD-4**

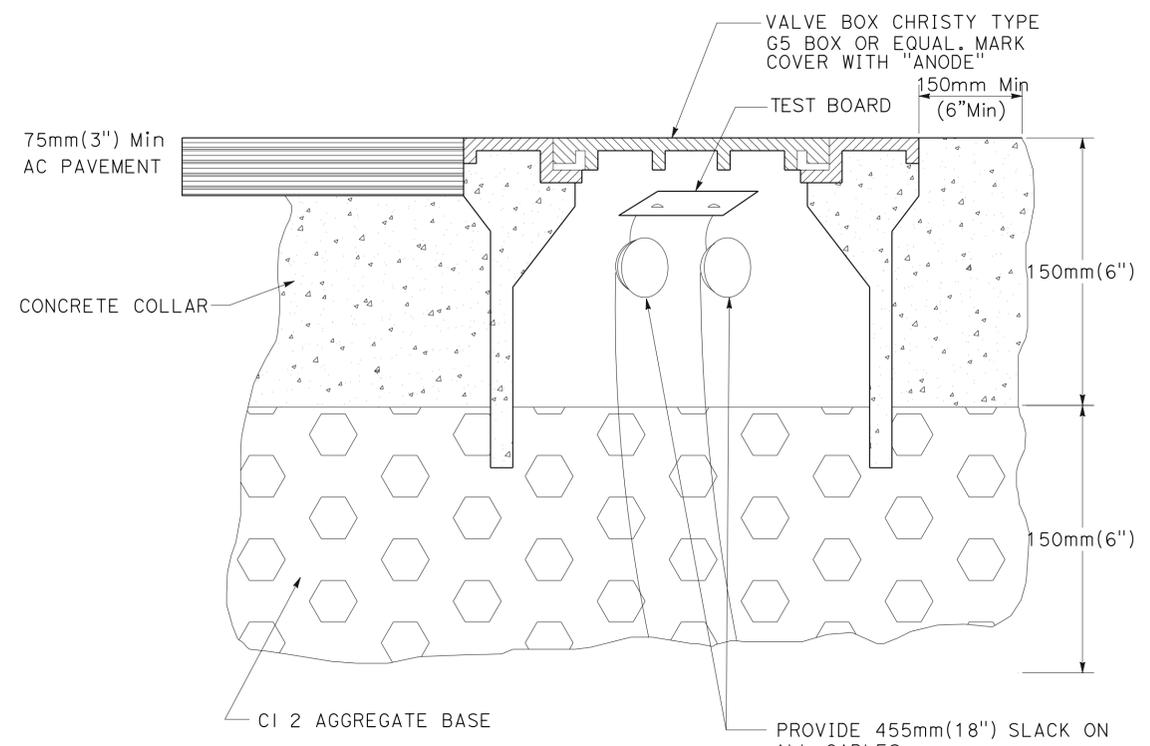
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans®

LAST REVISION | DATE PLOTTED => 16-AUG-2016  
 06-28-16 | TIME PLOTTED => 14:20

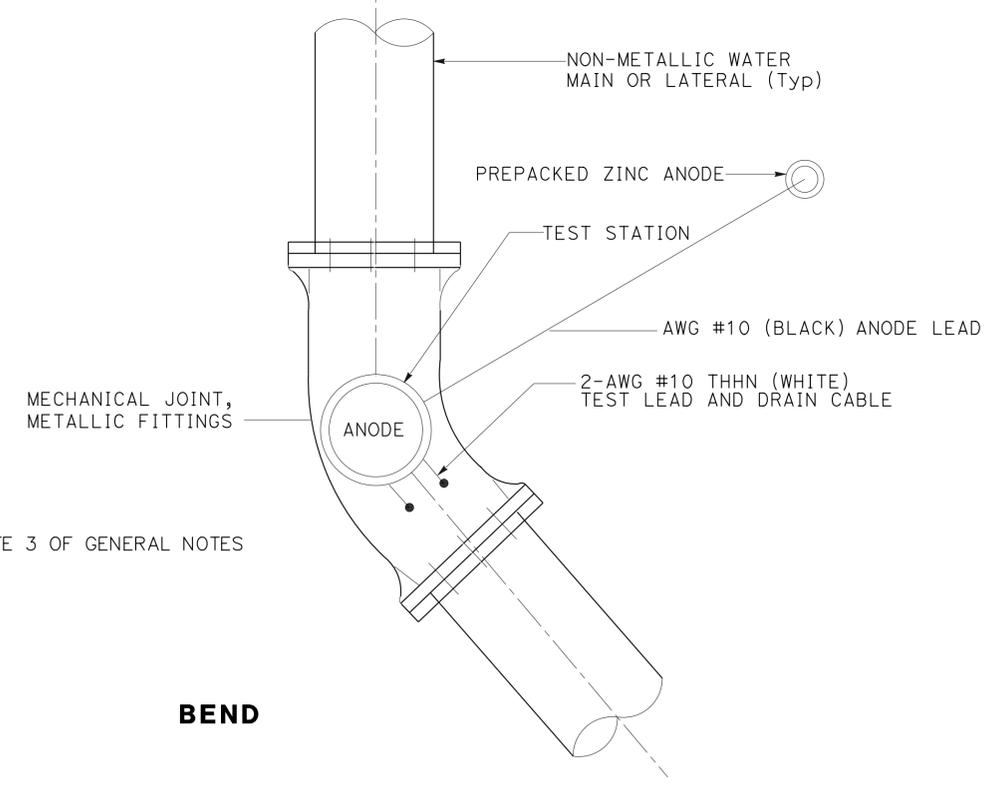
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	120	568
 REGISTERED CIVIL ENGINEER			6-28-16	DATE	
6-29-16 PLANS APPROVAL DATE					
AECOM 100 W. San Fernando St Suite 200 San Jose, CA 95113			CALTRANS 111 Grand Avenue Oakland, CA 94612		



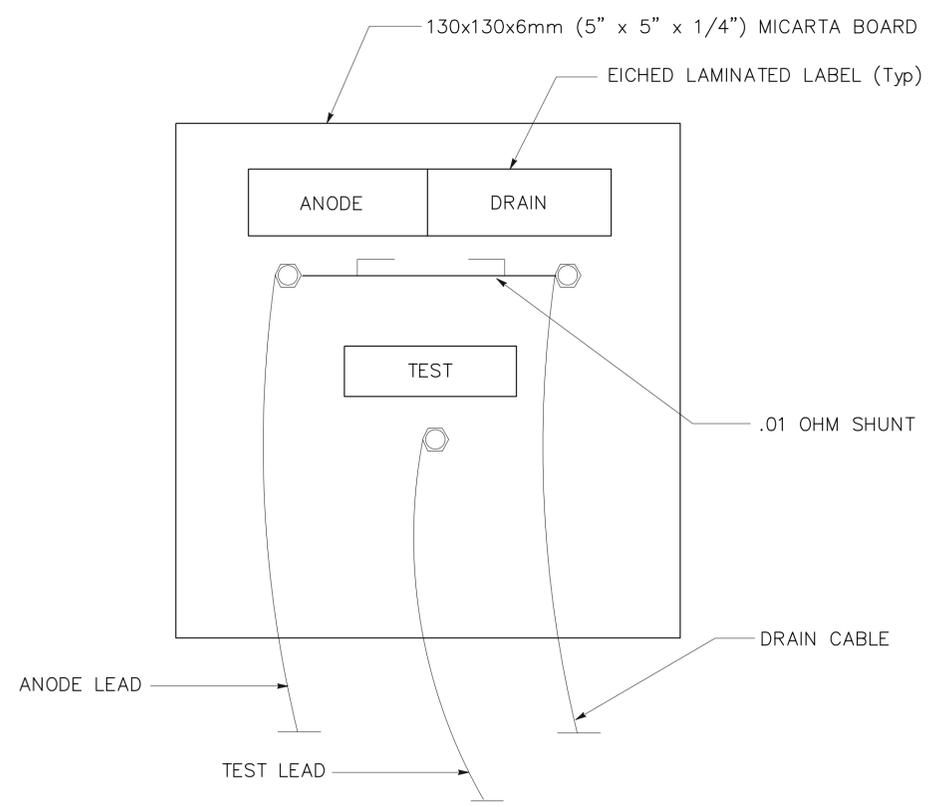
**TEE / CROSS**



**TEST STATION HOUSING DETAIL**



**CATHODIC PROTECTION AT FITTINGS AND VALVES - (B) (WA-8)**



**TEST TERMINAL BOARD DETAIL CATHODIC PROTECTION TEST STATION HOUSING (WA-9)**

**UTILITY DETAILS STANDARD DETAILS-A**

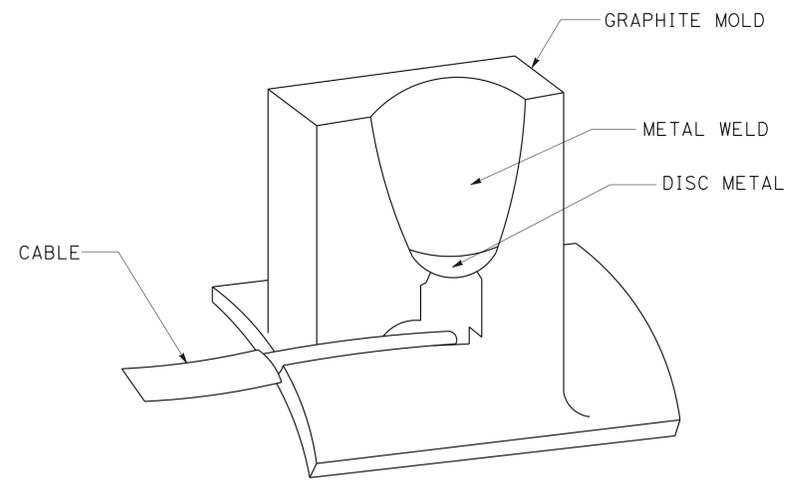
NO SCALE

**UD-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Caltrans®  
 JASON HOM  
 YEV PHILIPOVITCH  
 RAMSEY J. HISSEN  
 JH  
 JH  
 6-28-16  
 1-8-16

LAST REVISION | DATE PLOTTED => 16-AUG-2016  
 06-28-16 | TIME PLOTTED => 14:20

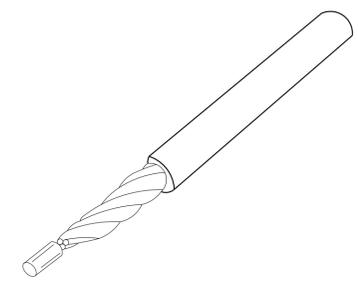
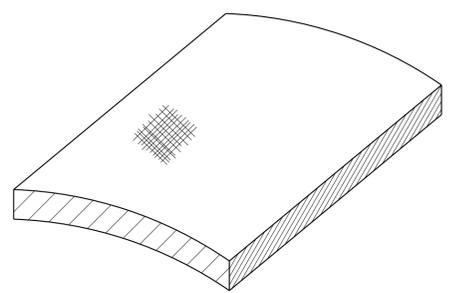
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	121	568
 REGISTERED CIVIL ENGINEER			6-28-16	DATE	
PLANS APPROVAL DATE			6-29-16		
					
AECOM 100 W. San Fernando St Suite 200 San Jose, CA 95113			CALTRANS 111 Grand Avenue Oakland, CA 94612		



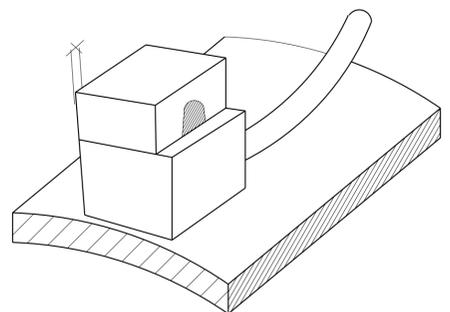
**MOLD DETAIL**

**STEPS:**

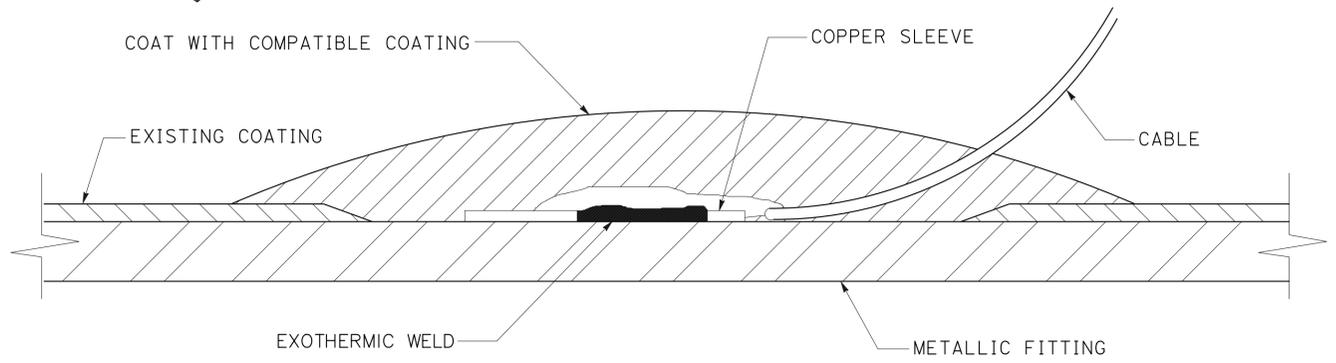
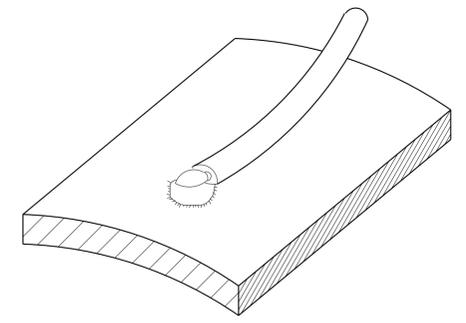
1. FILE TO BORE METAL AND CLEAN OVER SURFACE.
2. STRIP INSULATION FROM WIRE AND ATTACH COPPER SLEEVE.



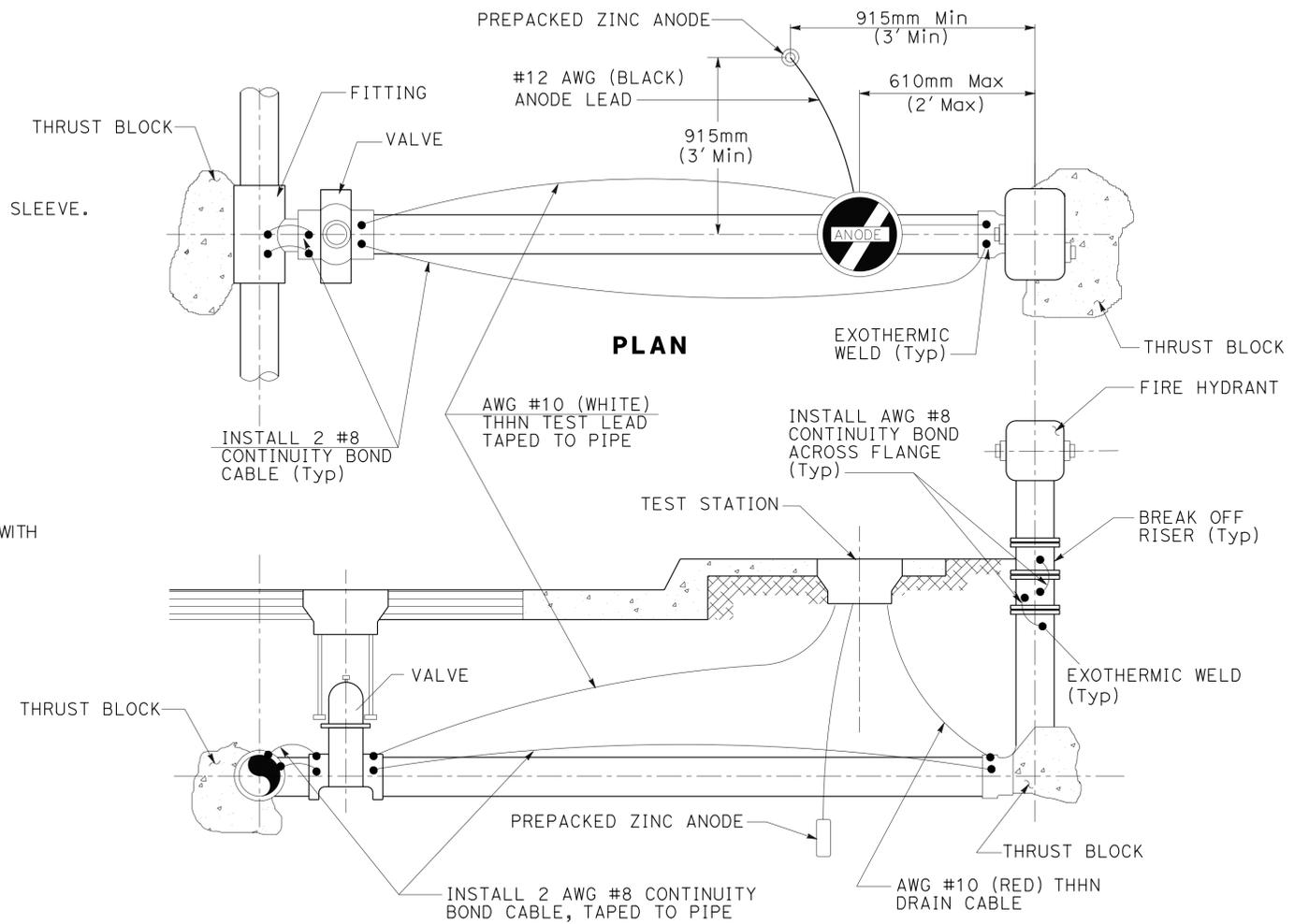
3. HOLD MOLD FIRMLY WITH OPENING AWAY FROM OPERATOR IGNITE WITH FLINT GUN.



4. REMOVE SLAG FROM CONNECTION, COVER CONNECTION WITH COMPATIBLE COATING OVER METAL ALL EXPOSED.



**CATHODIC PROTECTION EXOTHERMIC WELD (WA-10)**



**PROFILE**

**NOTES:**

1. CONTRACTOR SHALL FOLLOW THE LISTED WIRE SCHEDULE: FITTING TEST LEAD - AWG #10 WHITE; ANODE TEST LEAD - AWG #12 BLACK; HYDRANT DRAIN CABLE - AWG #10 RED.
2. FOR ANODE SIZE AND CONSTRUCTION REQUIREMENTS, SEE DETAIL WA-12 ON SHEET UD-7.

**CATHODIC PROTECTION FOR FIRE HYDRANT (WA-11)**

**UTILITY DETAILS  
STANDARD DETAILS-A  
NO SCALE  
UD-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans®  
 CONSULTANT - FUNCTIONAL SUPERVISOR  
 RAMSEY J. HISSEN  
 CALCULATED-DESIGNED BY  
 CHECKED BY  
 YEV PHILIPOVITCH  
 REVISOR  
 DATE  
 1-8-16  
 JH  
 6-28-16  
 JH

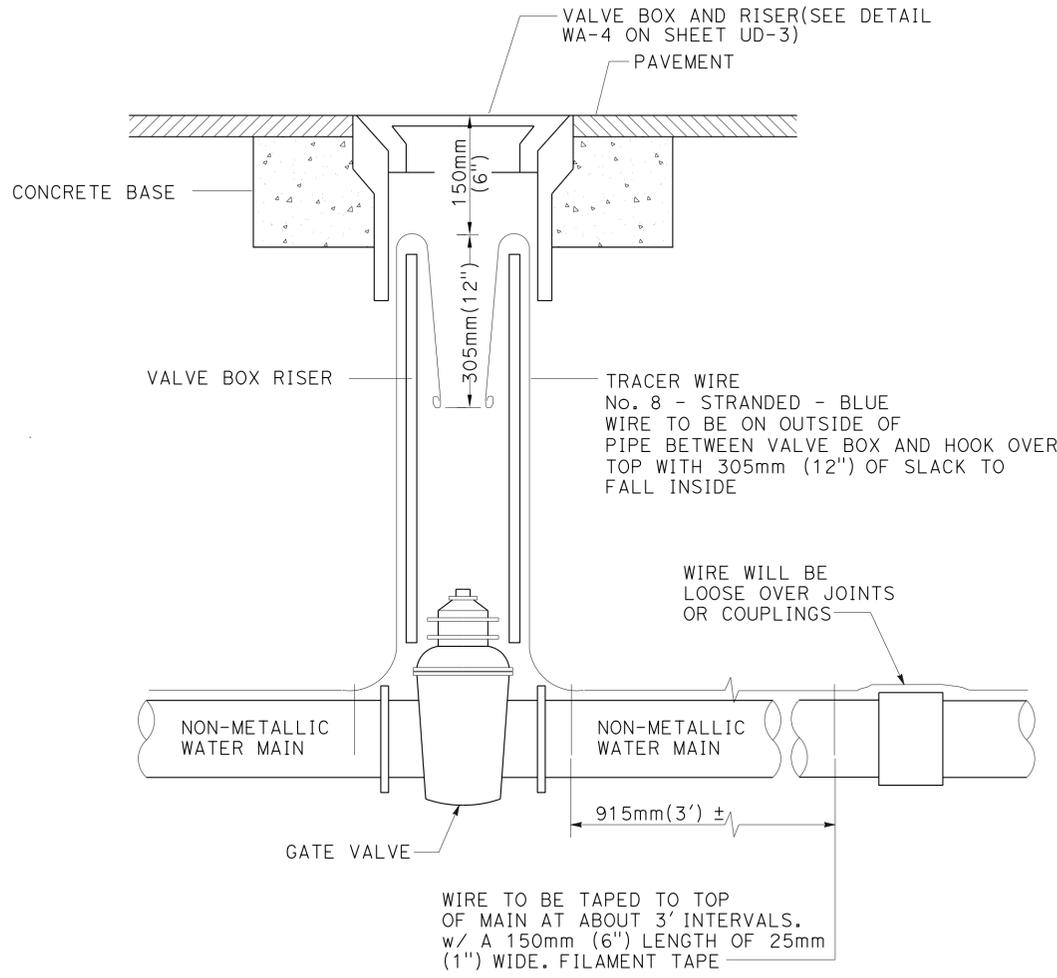




Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	124	568

REGISTERED CIVIL ENGINEER DATE 6-28-16  
 REGISTERED CIVIL ENGINEER Yev Philipovitch No. C25392 Exp. 12-31-17  
 PLANS APPROVAL DATE 6-29-16  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.  
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 CALTRANS 111 Grand Avenue Oakland, CA 94612

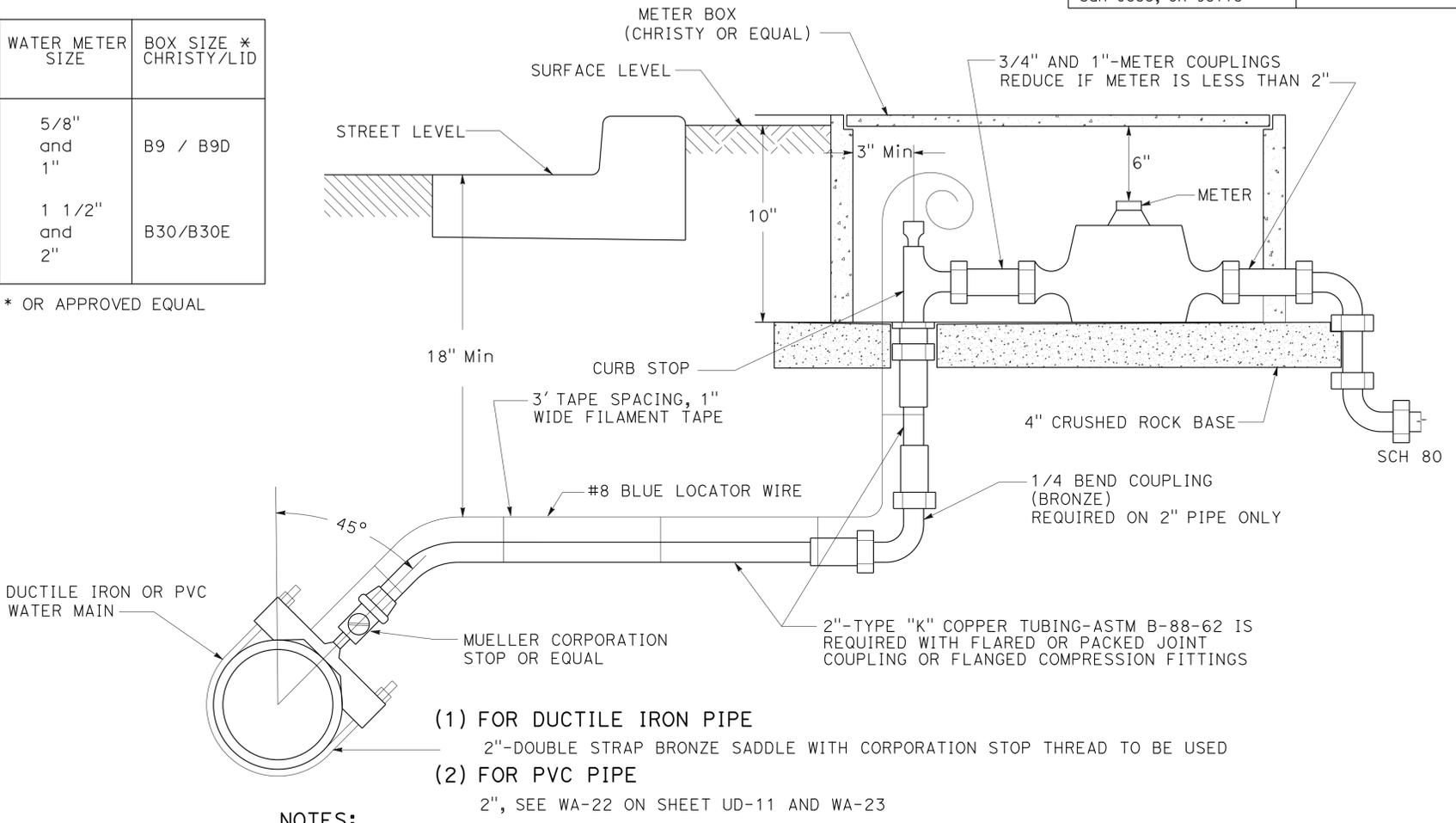
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans  
 CONSULTANT SUPERVISOR RAMSEY J. HISSEN  
 CHECKED BY YEV PHILPOVITCH  
 DESIGNED BY JASON HOM  
 REVISIONS: JH 1-8-16, JH 6-28-16



**TRACER WIRE (WA-16)**

WATER METER SIZE	BOX SIZE * CHRISTY/LID
5/8" and 1"	B9 / B9D
1 1/2" and 2"	B30/B30E

\* OR APPROVED EQUAL



**NOTES:**

- ALL SERVICES TO BE WET TAP.
- #8 BLUE LOCATOR WIRE. USE A SINGLE LENGTH OF WIRE WITH INSULATION INTACT. COAT AT END OF WIRE WITH SCOTCHKOTE ELECTRICAL COATING OR EQUAL.
- METER DIALS TO BE 6" FROM TOP OF BOX.
- ALL METERS TO BE CENTERED IN BOX VERTICALLY AND HORIZONTALLY. METER STOPS TO BE READILY ACCESSIBLE.
- COMPRESSION FITTINGS TO BE USED.
- NO DAMAGED METER BOXES SHALL BE INSTALLED (NO BROKEN ENDS TO ACCOMMODATE METERS.)
- ABANDONMENT OF DIRECT TAP ON AC MAIN REQUIRES RUBBER LINED, STAINLESS STEEL, FULL CIRCLE CLAMP.
- ABANDONMENT OF BRASS SADDLE TAP ON AC OR DIP MAIN IS ALLOWED BY CLOSING CORP STOP, WRAPPING WITH 10 MIL TAPE, DISCONNECTING AND ROLLING TUBING AT BOTH ENDS (MAIN AND METER).
- ABANDONMENT: IF EXISTING SERVICE TAP CAN BE USED, USE CLAMP WITH TAP. THIS WILL BE DETERMINED BY WATER DEPARTMENT SUPERVISOR.

**3/4", 1", 1 1/2" AND 2" (WA-17)  
STANDARD WATER SERVICE**

**UTILITY DETAILS  
STANDARD DETAILS-A  
NO SCALE  
UD-9**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	125	568

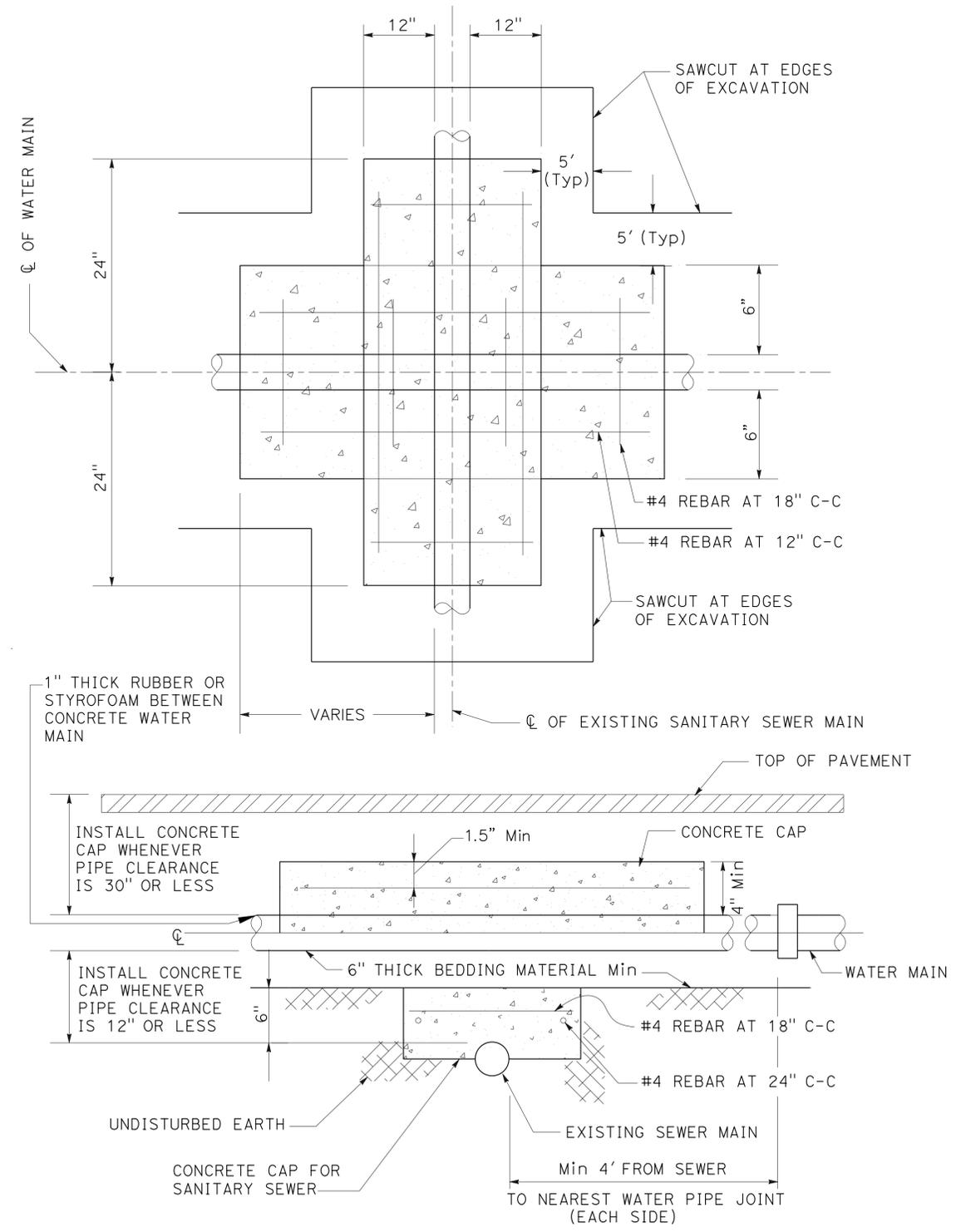
REGISTERED CIVIL ENGINEER DATE 6-28-16  
 REGISTERED CIVIL ENGINEER DATE 6-29-16  
 PLANS APPROVAL DATE

Yev Philipovitch  
 No. C25392  
 Exp. 12-31-17  
 CIVIL  
 STATE OF CALIFORNIA

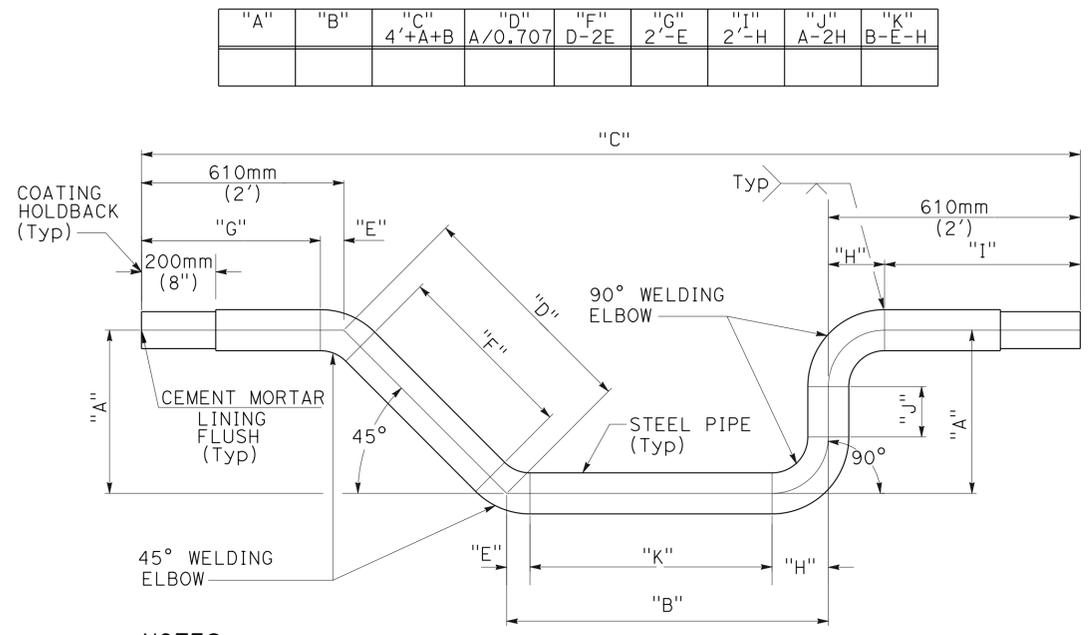
AECOM  
 100 W. San Fernando St  
 Suite 200  
 San Jose, CA 95113

CALTRANS  
 111 Grand Avenue  
 Oakland, CA 94612

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Caltrans®  
 JASON HOM  
 YEV PHILIPOVITCH  
 RAMSEY J. HISSEN  
 JH  
 JH  
 REVISOR  
 DATE  
 DESIGNED BY  
 CHECKED BY  
 SUPERVISOR  
 CONSULTANT



**WATER MAIN AND SANITARY SEWER CROSSING CONCRETE CAP (WA-18)**



**NOTES:**

1. STEEL CYLINDER TO BE PER A.S.A. WITH ASTM A53 TEST PRESSURE AND ASTM A36 PHYSICAL PROPERTIES.
2. USE 14 GAUGE WIRE REINFORCING SPIRALLY WOUND EMBEDDED IN CENTER OF COATING. PER LATEST REVISION OF AWWA STANDARD C205.
3. USE ASTM A234 GRADE B WELDING FITTINGS.
4. SEE STANDARD DETAIL WA-5 ON SHEET UD-4 FOR THRUST BLOCK DETAILS.
5. NECESSARY ANCHOR AS REQUIRED BY THE CITY ENGINEER.

PIPE		ELBOW				
STEEL CYLINDER (OD)	SCHEDULE	CML	CMC	SCHEDULE	"E"	"H"
170mm(6.63")	40	10mm(3/8")	20mm(3/4")	40	95mm(3.75")	150mm(6")
220mm(8.63")	20	10mm(3/8")	20mm(3/4")	40	125mm(5.00")	200mm(8")
275mm(10.75")	20	15mm(1/2")	20mm(3/4")	40	160mm(6.25")	255mm(10")
325mm(12.75")	20	15mm(1/2")	20mm(3/4")	0.375"	190mm(7.50")	305mm(12")
355mm(14.0")	10	15mm(1/2")	20mm(3/4")	30	220mm(8.75")	355mm(14")
405mm(16.0")	10	15mm(1/2")	20mm(3/4")	30	255mm(10.00")	405mm(16")
455mm(18.0")	10	15mm(1/2")	20mm(3/4")	0.375"	285mm(11.25")	455mm(18")
510mm(20.0")	10	15mm(1/2")	20mm(3/4")	20	310mm(12.50")	510mm(20")

CML = CEMENT MORTAR LINING  
 CMC = CEMENT MORTAR COATING

**CEMENT MORTAR LINED AND COATED STEEL DOUBLE OFFSET WITH 45 AND 90 ELBOWS (WA-19)**

**UTILITY DETAILS STANDARD DETAILS-A**  
 NO SCALE  
**UD-10**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	126	568

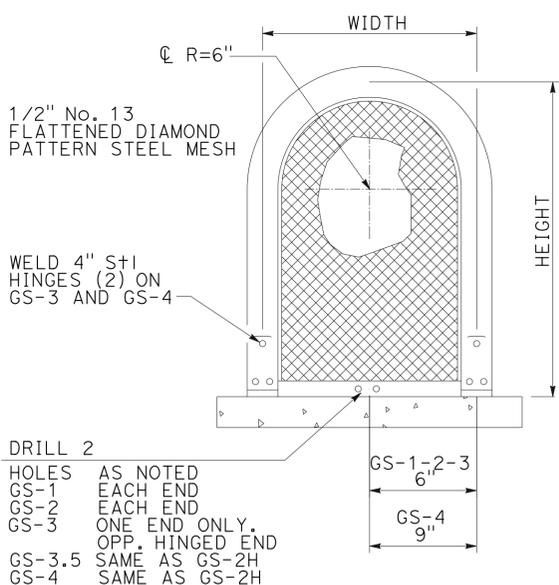
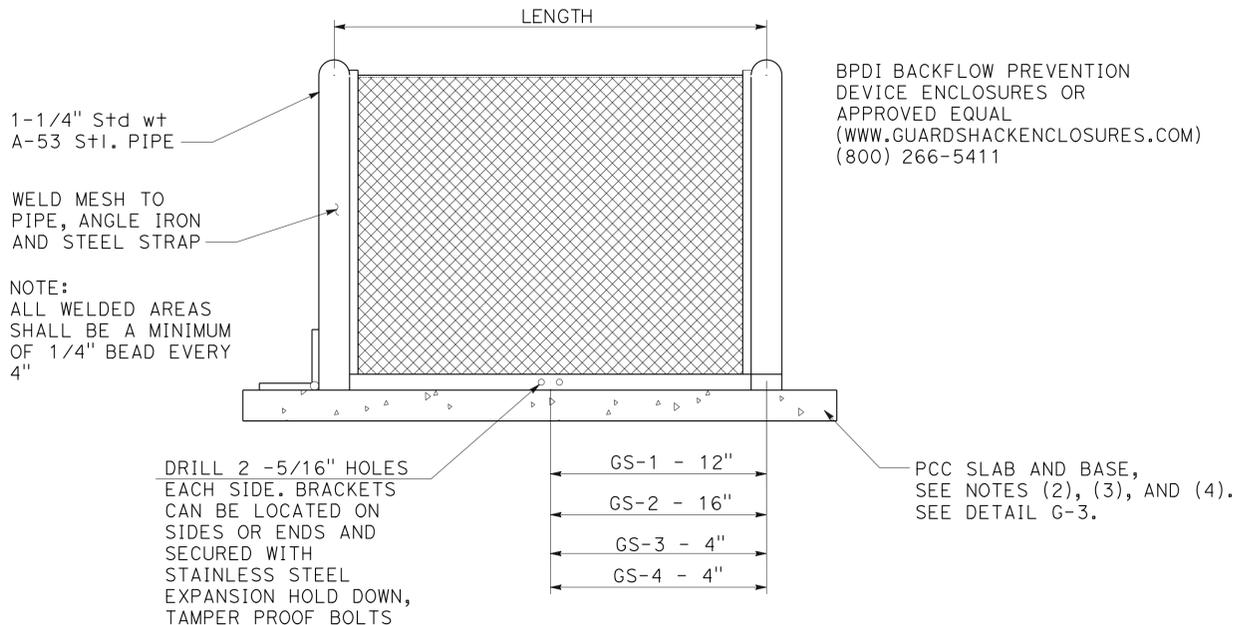
REGISTERED CIVIL ENGINEER DATE 6-28-16

6-29-16  
PLANS APPROVAL DATE

Yev Philipovitch  
No. C25392  
Exp. 12-31-17  
CIVIL  
STATE OF CALIFORNIA

AECOM  
100 W. San Fernando St  
Suite 200  
San Jose, CA 95113

CALTRANS  
111 Grand Avenue  
Oakland, CA 94612



NOTE:  
AFTER ALL WELDING, ENTIRE UNIT SHALL BE PROCESSED WITH IRON PHOSPHATE PRE-TREATMENT. ELECTROSTATIC APPLICATION OF POWDER SHALL BE FUSION BONDED - PRS-8-4004-C (BEIGE) OR PRS-8-4003-C (LEAF GREEN) COLOR AS DIRECTED PER PLANS OR APPROVED EQUAL.

ALL UNITS ALSO AVAILABLE IN 304 S.S. GS-3.5 AVAILABLE IN 304 S.S. ONLY.

ALL BOLTS FOR HINGES AND HASPS SHALL BE ZINC PLATED TAMPER PROOF, EXCEPTION - USE SS HARDWARE FOR SS UNITS.

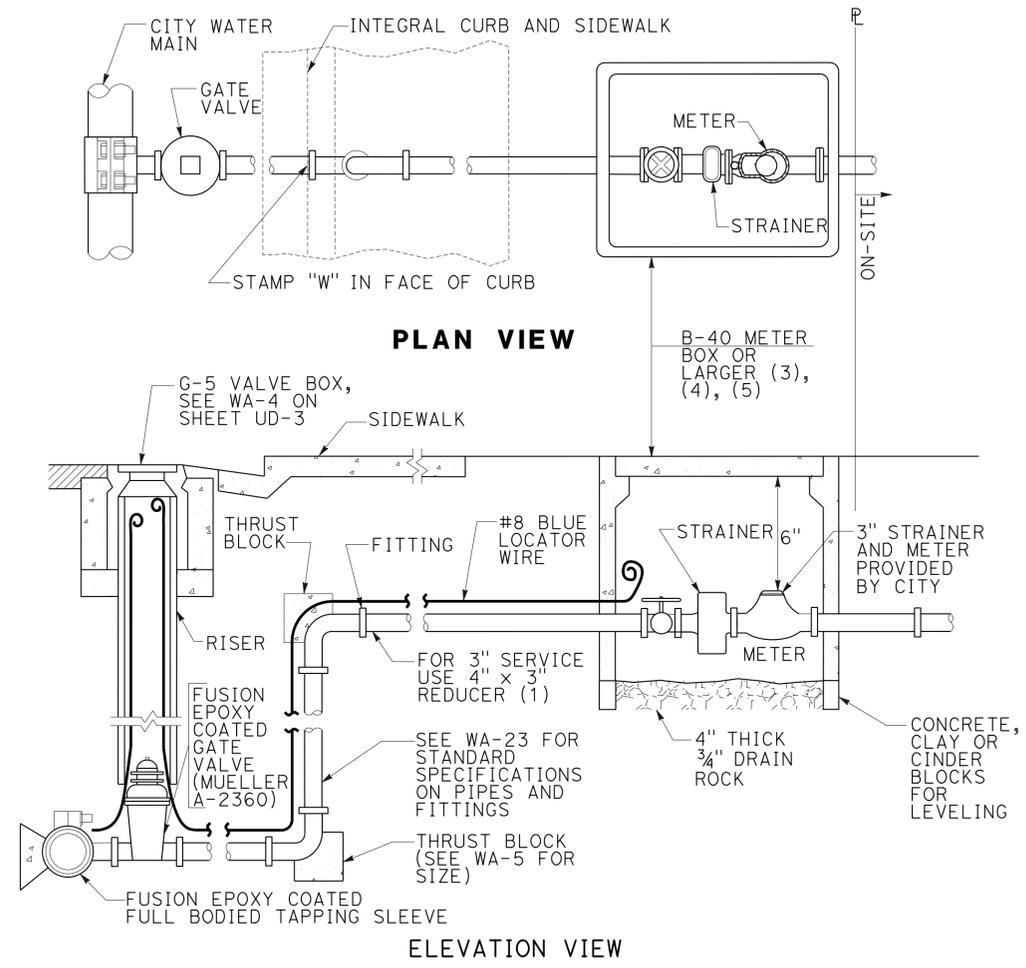
Std SIZES	CENTERLINE DIMENSIONS		WEIGHT (LBS)	
	GS	CGS	GS	CGS
GS-0.5	12"W x 18"H x 12"L	LIFT OFF UNIT	35	30
GS-1	12"W x 24"H x 24"L	LIFT OFF UNIT	40	34
GS-2	12"W x 24"H x 32"L	LIFT OFF UNIT	45	40
GS-3	12"W x 24"H x 42"L	HINGED UNIT	51	46
CGS-3.5	12"W x 30"H x 42"L	HINGED UNIT	N/A	55
GS-4	12"W x 30"H x 48"L	HINGED UNIT	67	60

DRILL 2 HOLES AS NOTED

GS-1	EACH END	6"
GS-2	EACH END	6"
GS-3	ONE END ONLY. OPP. HINGED END	9"
GS-3.5	SAME AS GS-2H	
GS-4	SAME AS GS-2H	

- NOTES:
1. MAINTAIN 2" MINIMUM CLEARANCE AT TOP AND 12" ON ALL SIDES BETWEEN ENCLOSURE ANY PIPE AND FITTINGS.
  2. 6" PCC SLAB SHALL EXTEND 6" BEYOND ENCLOSURE. ALL SIDES SLOPE TO PERIMETER. SEE DETAIL G-3.
  3. 6" AB AT 95% RELATIVE COMPACTION.
  4. FINISHED GRADE SHALL BE 1" ABOVE GRADE IN UNPAVED AREAS.

**BACKFLOW PREVENTER ENCLOSURE CAGE ASSEMBLY (WA-21)**



- NOTES:
1. FOR 3" METER, TAP MAIN WITH 4" TAP THEN USE 4" x 3" REDUCER BEFORE METER BOX.
  2. BACKFLOW PREVENTOR REQUIRED IMMEDIATELY DOWNSTREAM OF METER. SEE DETAIL WA-24.
  3. METER SHALL BE IN PUBLIC RIGHT OF WAY, EASILY ACCESSIBLE TO METER READER, AND NOT BEHIND LANDSCAPING OR OTHER OBSTRUCTIONS.
  4. THE METER AND METER BOX MAY BE ROTATED 90° TO COMPENSATE FOR SPACE REQUIREMENTS.
  5. FOR 4" TURBINE METER WITH STRAINER, USE BOX SIZE B-40 OR LARGER WITH METER READING LID.

**3" AND 4" STANDARD WATER SERVICE (WA-22)**

**UTILITY DETAILS STANDARD DETAILS-A NO SCALE UD-11**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

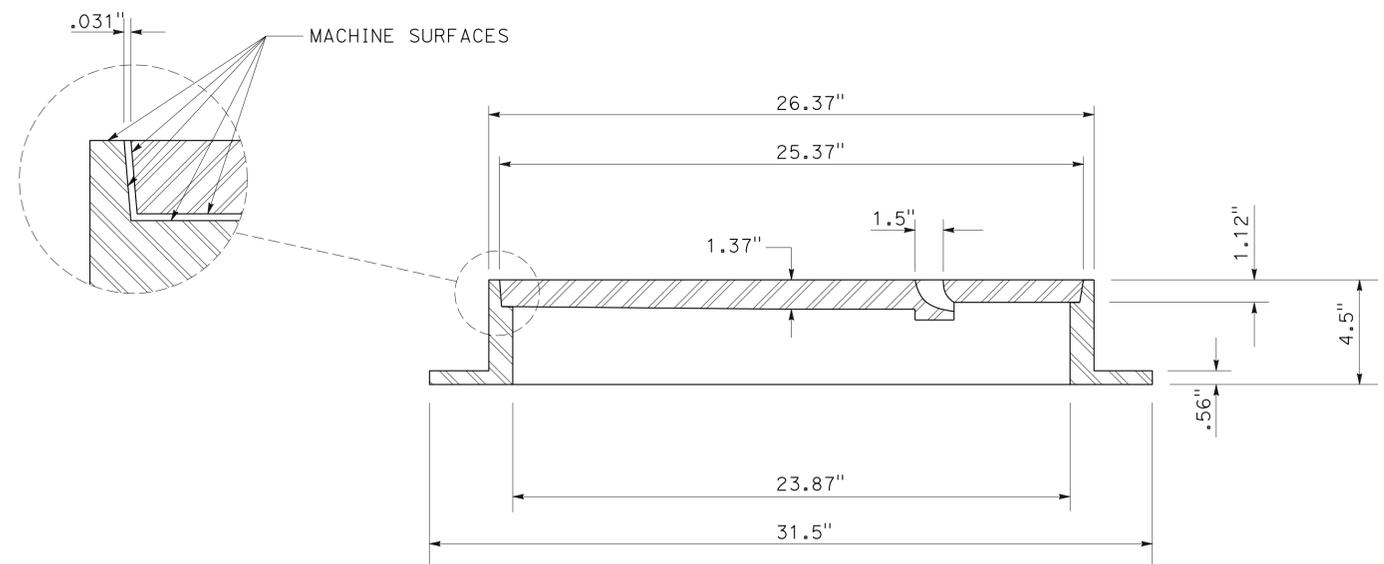
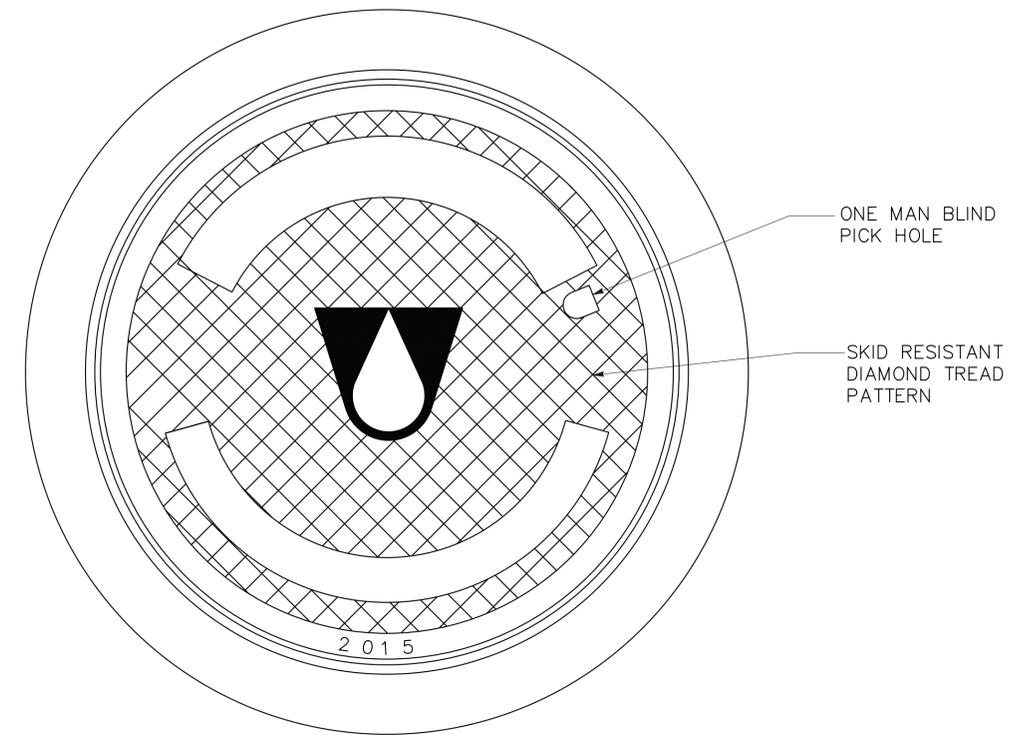
JASON HOM  
YEV PHILIPOVITCH  
RAMSEY J. HISSEN



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
*Caltrans*  
 CONSULTANT - FUNCTIONAL SUPERVISOR: RAMSEY J. HISSEN  
 CALCULATED/DESIGNED BY: JASON HOM  
 CHECKED BY: YEV PHILLIPOVITCH  
 REVISED BY: JH  
 DATE REVISED: 5-18-16  
 JH  
 6-28-16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	128	568

*Yev Philipovitch* 6-28-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE  
 Yev Philipovitch  
 No. C25392  
 Exp. 12-31-17  
 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.  
 AECOM 100 W. San Fernando St Suite 200 San Jose, CA 95113  
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**SECTION  
 MANHOLE FRAME AND COVER**

**NOTES:**

1. CAST IRON FOR FRAME AND COVER SHALL BE CLASS 30 MINIMUM ASTM A-48.
2. COVERS SHALL BE H-20, FULL VEHICULAR TRAFFIC LOADING, RATED AND SHALL NOT EXCEED 145 POUNDS IN WEIGHT.
3. THE FRAME AND COVER SHALL BE PAINTED OR DIPPED IN ASPHALT PRIOR TO LEAVING FOUNDRY.

**UTILITY PLAN  
 STANDARD DETAILS-B  
 NO SCALE  
 UD-13**

## EAST PALO ALTO WATER LINE RELOCATION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	129	568
REGISTERED CIVIL ENGINEER			6-28-16 DATE		
6-29-16 PLANS APPROVAL DATE					
AECOM 100 W. San Fernando St Suite 200 San Jose, CA 95113			CALTRANS 111 Grand Avenue Oakland, CA 94612		

SHEET No.	RELOCATION No.	STATION LIMITS	ABANDON WATER LINE	FIRE HYDRANT ASSEMBLY	4" GATE VALVE	6" GATE VALVE	WATER VALVE BOX	JACKED 14" STEEL CASING	1" WATER METER ASSEMBLY	REMOVE WATER VALVE	REMOVE WATER METER ASSEMBLY	REMOVE FIRE HYDRANT	5.375" HDPE WATER LINE	8" HDPE WATER LINE	CATHODIC PROTECTION AND TEST STATION	CONNECT TO FIRE HYDRANT (N)	CONNECT TO WATER METER (N)	CONNECT TO WATER VALVE (N)	CONNECT TO EXISTING WATER LINE (N)
			LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
U-2	1	"WR1" 26+88.67 L+ TO 24+80.71 R+	331																
U-2	1	"WR1" 26+95.17 L+				1	1												
U-2	1	"WR1" 24+78.98 R+				1	1												
U-2	1	"W1" 11+26.78 TO 13+08.45						182											
U-2	1	"W1" 10+00 TO 13+60.17												360					
U-2	1	"W1" 10+00																	1
U-2	1	"W1" 13+60.17																	1
U-2	2	"FRT1" 16+36.71 L+							2										
U-2	2	"FRT1" 17+39.04 L+																	
U-2	2	"FRT1" 16+71.75 L+ TO 17+37.72 L+	75		1		1												
U-2	2	"FRT1" 17+15.87 L+								2									
U-2	2	"W2" 10+00 TO 10+65.60											66						
U-2	2	"W2" 10+00																	1
U-2	2	"W2" 11+08.29																	1
U-4	4	"FRT1" 20+92.99 L+				1	1			1									1
U-4	4	"FRT1" 21+69.21 L+				1	1			1									1
U-4	4	"FRT1" 24+89.75 L+				1	1			1									1
U-4	4	"FRT1" 21+69.82 L+		1								1					1		
U-4	4	"FRT1" 22+76.74 L+							1										
U-4	4	"FRT1" 21+69.59 L+									1								
<b>TOTAL</b>			406	1	1	5	6	182	3	3	3	1	66	360	2	1	1	3	4

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

### SANITARY SEWER (WEST BAY SANITARY DISTRICT)

SHEET No.	STATION LIMIT	ADJUST MANHOLE TO GRADE	SEWER MANHOLE FRAME AND COVER (WBSD)
			EA
UP-3	14.10' L+ "FRT1" 17+13.64	1	
UP-3	14.10' L+ "FRT1" 17+13.64		1
<b>TOTAL</b>		1	1

## MENLO PARK WATER LINE RELOCATION

SHEET No.	RELOCATION No.	STATION LIMITS	ABANDON ACP WATER LINE	WATER VALVE BOX	2" WATER METER ASSEMBLY	2" HDPE LATERAL WATER LINE	8" GATE VALVE	12" GATE VALVE	JACKED 16" STEEL CASING	JACKED 20" STEEL CASING	FIRE HYDRANT ASSEMBLY	16" HDPE WATER LINE	10" HDPE WATER LINE	CATHODIC PROTECTION AND TEST STATION	COMBINED AIR RELEASE AND BLOW-OFF ASSEMBLY	AIR RELEASE VALVE	BLOW-OFF WITH TRAFFIC RATED LID	CONNECT TO EXISTING WATER LINE (N)	
			LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
U-3	5	"WR1" 11+87.89 L+ TO 11+78.38 R+	183																
U-3	5	"WR1" 11+89.29 L+ TO 11+78.90 L+		4			4												
U-3	5	"W5" 10+39.35 TO 11+57.22							120										
U-3	5	"W5" 10+00 TO 11+70.35											190					2	
U-3	5	"WR1" 11+75.61 L+ TO 11+94.59 L+				17													
U-3	5	"WR1" 11+94.59 L+			1														
U-2\U-3	3	"FRT2" 11+38.19 R+ TO "FRT3A1" 13+41.26 L+	370																
U-2\U-3	3	"FRT2" 11+38.19 R+ TO "FRT3A1" 13+37.90 R+		6				6											
U-2\U-3	3	"W3" 10+32.66 TO 13+08.95								273				2					
U-2\U-3	3	"W3" 10+00 TO 13+67.30										372						2	
U-2\U-3	3	"FRT3A1" 13+22.91 L+									1								
UP-4	3	"FRT2" 11+42.82													1				
UP-4	3	"FRT2" 11+30.14															1		
UP-5	3	"FRT3A1" 13+15.73														1			
UP-6	5	"WR1" 11+98.32														1			
UP-6	5	"WR1" 11+78.10															1		
UP-6	5	"WR1" 11+74.38													1				
<b>TOTAL</b>			553	10	1	17	4	6	120	273	1	372	190	4	2	2	2	2	4

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

### WATER VALVE BOX SUMMARY

LOCATION	EA
FROM EAST PALO ALTO WATER LINE RELOCATION	6
FROM MENLO PARK WATER LINE RELOCATION	10
<b>TOTAL</b>	16

### FIRE HYDRANT ASSEMBLY SUMMARY

LOCATION	EA
FROM EAST PALO ALTO WATER LINE RELOCATION	1
FROM MENLO PARK WATER LINE RELOCATION	1
<b>TOTAL</b>	2

### CATHODIC PROTECTION AND TEST STATION SUMMARY

LOCATION	EA
FROM EAST PALO ALTO WATER LINE RELOCATION	2
FROM MENLO PARK WATER LINE RELOCATION	4
<b>TOTAL</b>	6

## UTILITY QUANTITIES

**UQ-1**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	130	568

REGISTERED CIVIL ENGINEER: *Duc Duy Vo*  
 No. 74538  
 Exp. 12-31-17  
 DATE: 6-23-16  
 PLANS APPROVAL DATE: 6-29-16

REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA  
 CIVIL

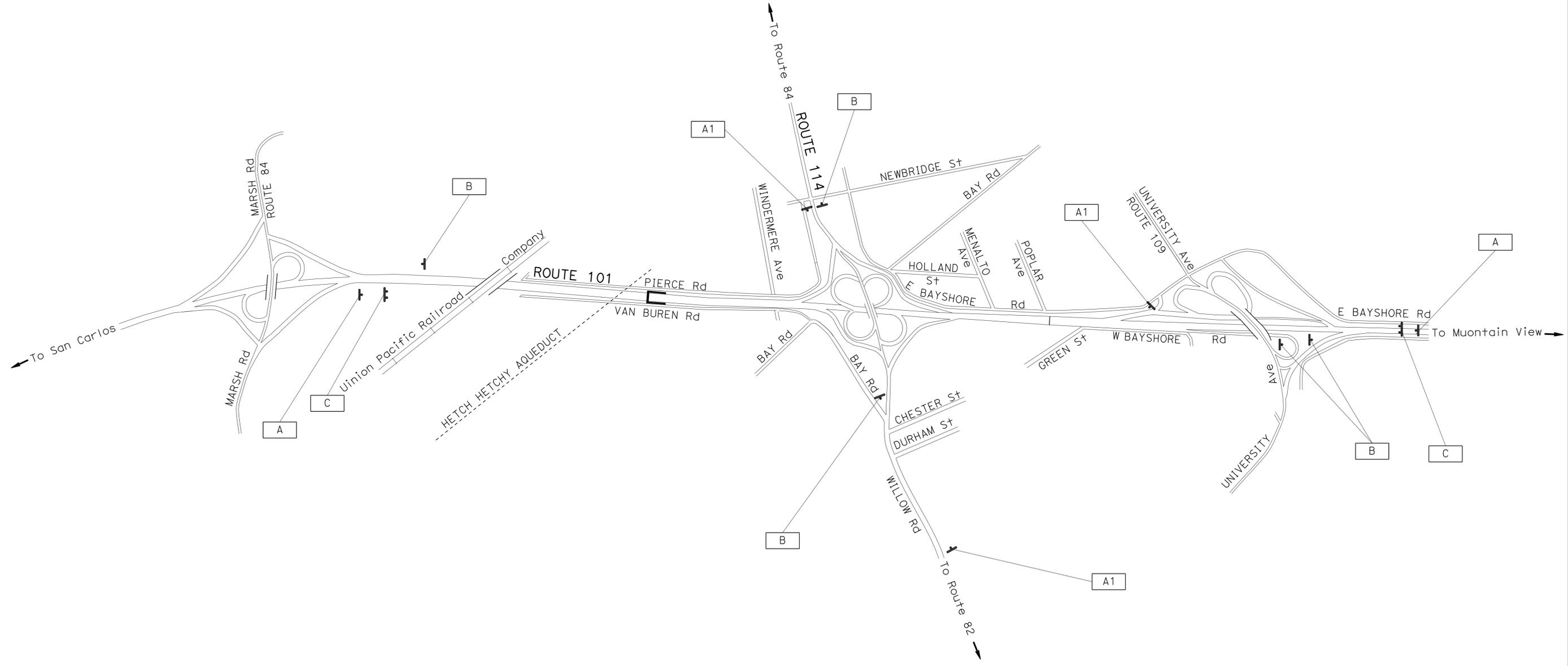
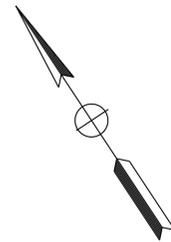
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**LEGEND:**

□ CONSTRUCTION AREA SIGN DESIGNATION

**NOTES:**

1. LOCATION OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.
2. EB AND WB INSTEAD OF NB AND SB OF ROUTE 114/WILLOW Rd APPEARED ON CONSTRUCTION AREA SIGN PANELS TO MATCH WITH EXISTING GUIDE SIGNS.

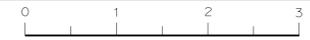


**CONSTRUCTION AREA SIGNS**

NO SCALE

**CS-1**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

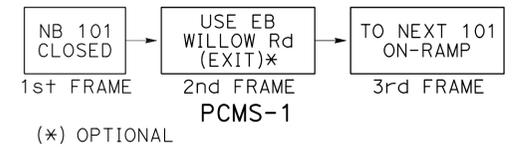
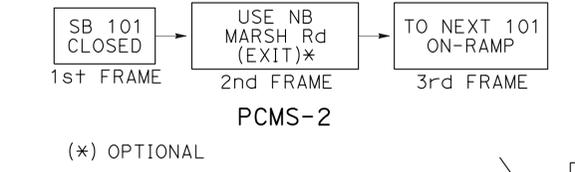
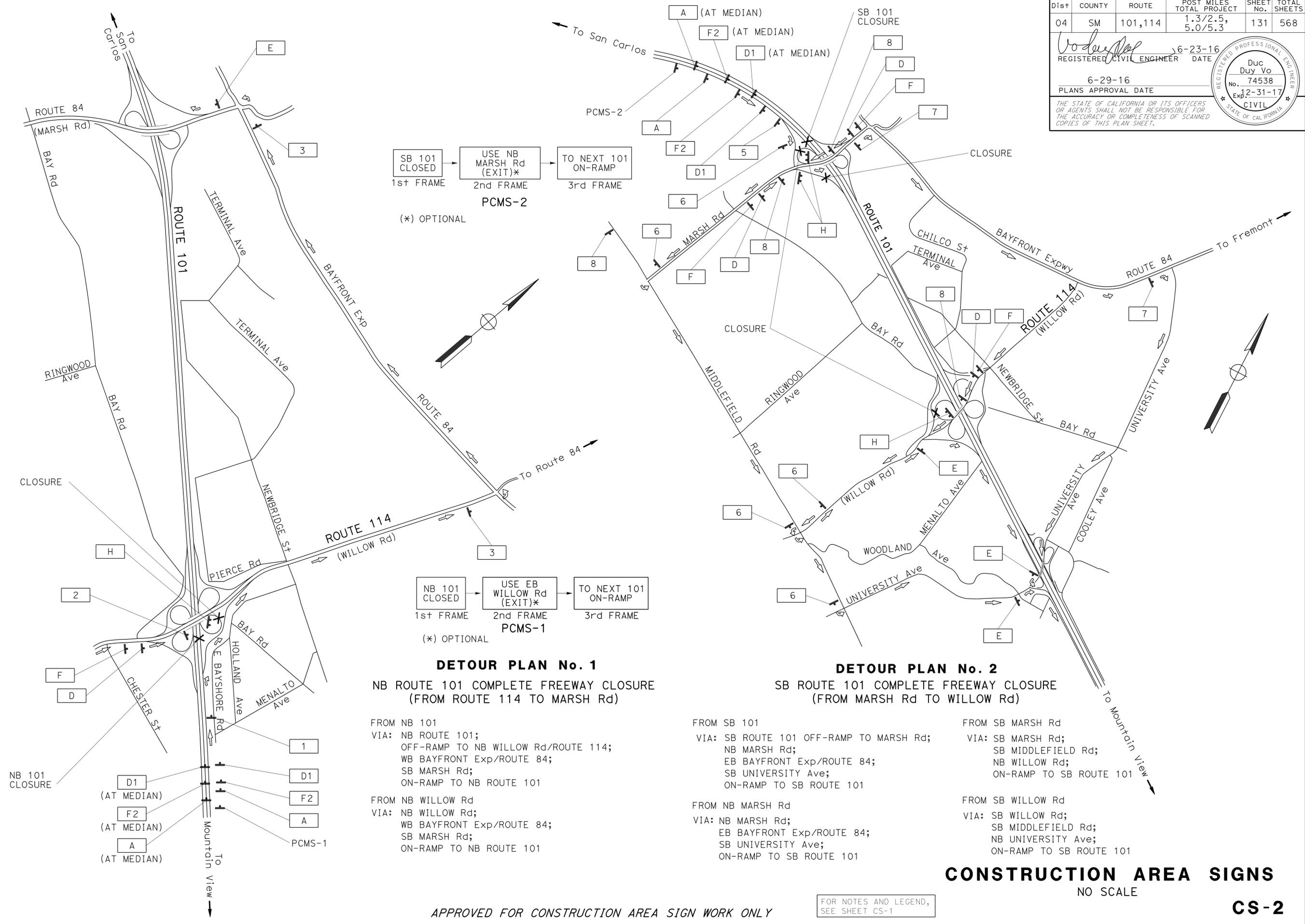


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	131	568

REGISTERED CIVIL ENGINEER  
 No. 74538  
 Exp. 2-31-17  
 CIVIL  
 STATE OF CALIFORNIA

6-23-16 DATE  
 6-29-16 PLANS APPROVAL DATE

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**DETOUR PLAN No. 1**  
 NB ROUTE 101 COMPLETE FREEWAY CLOSURE  
 (FROM ROUTE 114 TO MARSH Rd)

- FROM NB 101  
 VIA: NB ROUTE 101;  
 OFF-RAMP TO NB WILLOW Rd/ROUTE 114;  
 WB BAYFRONT Exp/ROUTE 84;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101
- FROM NB WILLOW Rd  
 VIA: NB WILLOW Rd;  
 WB BAYFRONT Exp/ROUTE 84;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101

**DETOUR PLAN No. 2**  
 SB ROUTE 101 COMPLETE FREEWAY CLOSURE  
 (FROM MARSH Rd TO WILLOW Rd)

- FROM SB 101  
 VIA: SB ROUTE 101 OFF-RAMP TO MARSH Rd;  
 NB MARSH Rd;  
 EB BAYFRONT Exp/ROUTE 84;  
 SB UNIVERSITY Ave;  
 ON-RAMP TO SB ROUTE 101
- FROM SB MARSH Rd  
 VIA: SB MARSH Rd;  
 SB MIDDLEFIELD Rd;  
 NB WILLOW Rd;  
 ON-RAMP TO SB ROUTE 101
- FROM SB WILLOW Rd  
 VIA: SB WILLOW Rd;  
 SB MIDDLEFIELD Rd;  
 NB UNIVERSITY Ave;  
 ON-RAMP TO SB ROUTE 101

**CONSTRUCTION AREA SIGNS**  
 NO SCALE

**CS-2**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

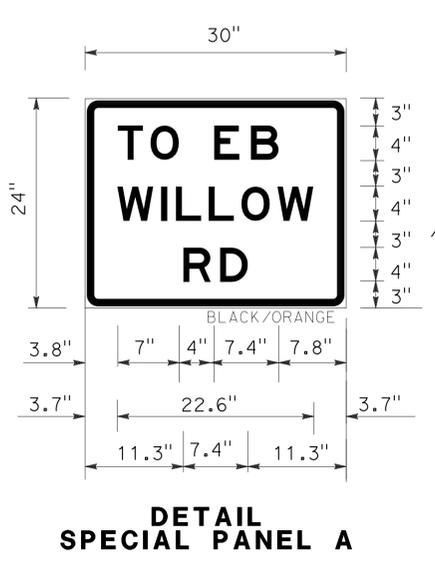
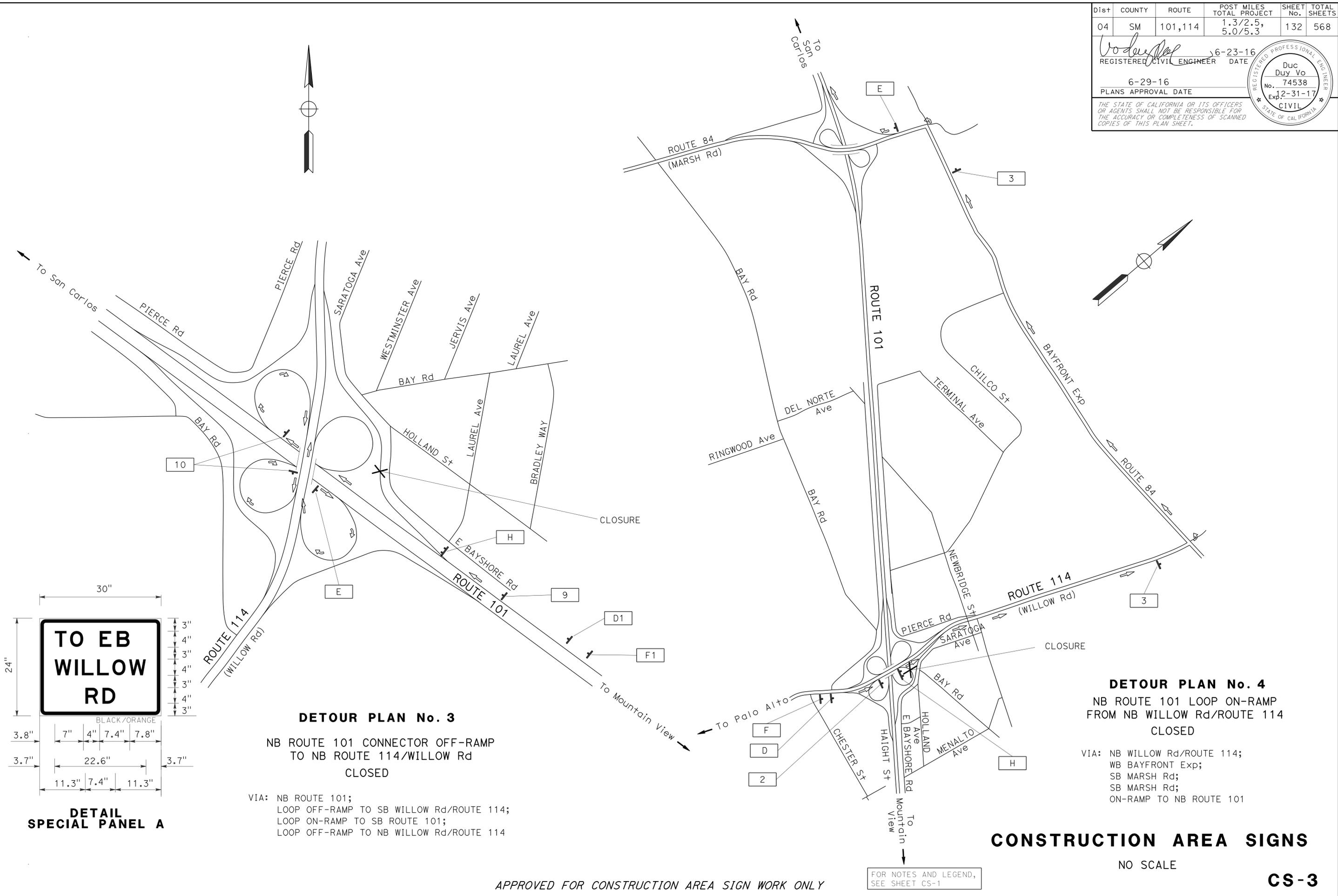
FOR NOTES AND LEGEND, SEE SHEET CS-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	132	568

REGISTERED CIVIL ENGINEER DATE 6-23-16  
 REGISTERED CIVIL ENGINEER No. 74538 Exp. 2-31-17  
 PLAN'S APPROVAL DATE 6-29-16

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DUC VO	REVISOR	DATE
TRAFFIC	RAJESH OBEROI	RAJESH OBEROI	DV	10-15-15
Caltrans				



**DETOUR PLAN No. 3**  
 NB ROUTE 101 CONNECTOR OFF-RAMP  
 TO NB ROUTE 114/WILLOW Rd  
 CLOSED

VIA: NB ROUTE 101;  
 LOOP OFF-RAMP TO SB WILLOW Rd/ROUTE 114;  
 LOOP ON-RAMP TO SB ROUTE 101;  
 LOOP OFF-RAMP TO NB WILLOW Rd/ROUTE 114

**DETOUR PLAN No. 4**  
 NB ROUTE 101 LOOP ON-RAMP  
 FROM NB WILLOW Rd/ROUTE 114  
 CLOSED

VIA: NB WILLOW Rd/ROUTE 114;  
 WB BAYFRONT Exp;  
 SB MARSH Rd;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101

**CONSTRUCTION AREA SIGNS**

NO SCALE

**CS-3**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

FOR NOTES AND LEGEND,  
 SEE SHEET CS-1

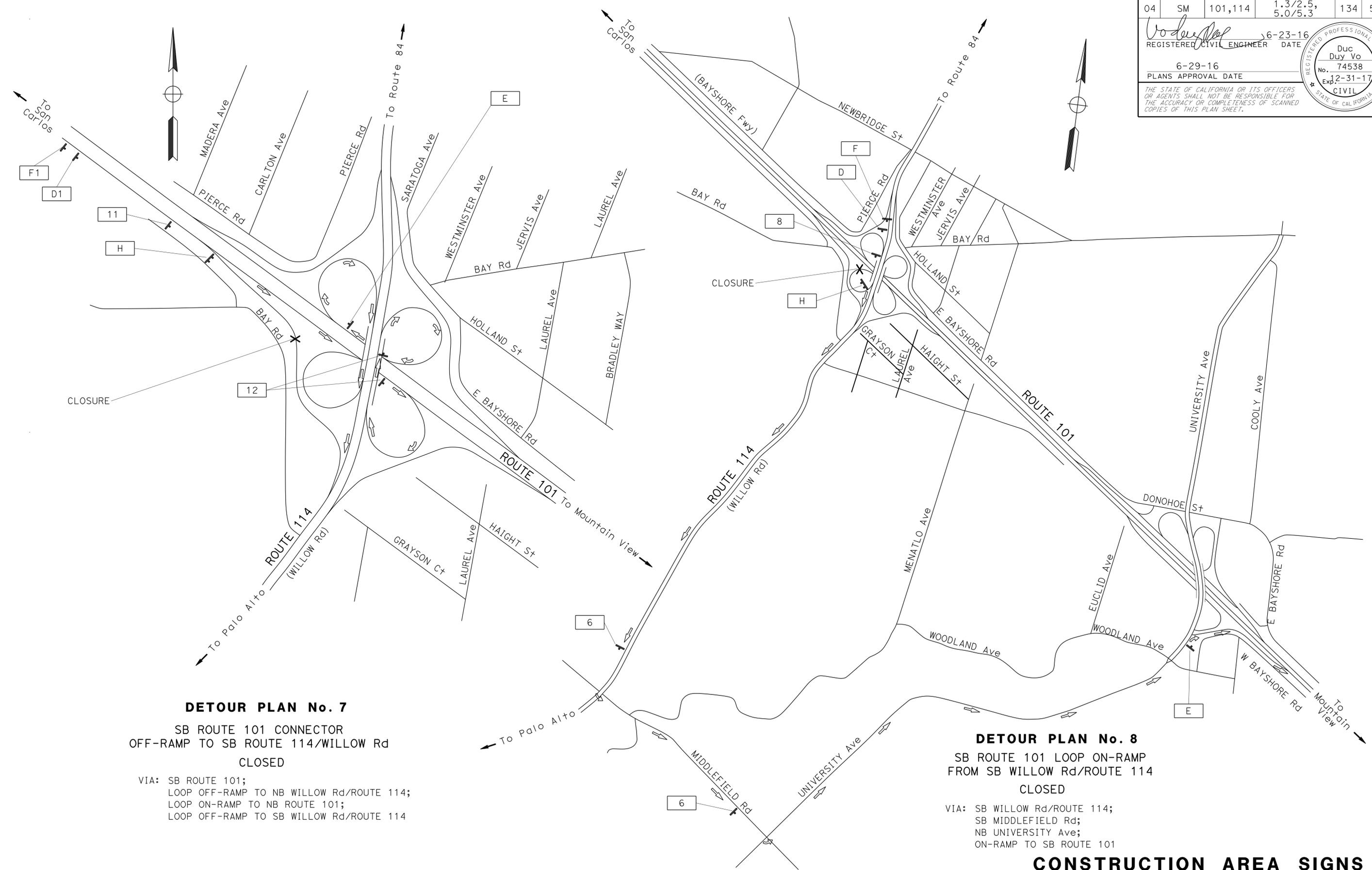


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 FUNCTIONAL SUPERVISOR: RAJESH OBEROI  
 DUC VO: RAJESH OBEROI  
 REVISIONS: 10-15-15  
 DIVISION: DV

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	134	568

REGISTERED CIVIL ENGINEER  
 No. 74538  
 Exp. 12-31-17  
 CIVIL  
 STATE OF CALIFORNIA

6-23-16 DATE  
 6-29-16 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**DETOUR PLAN No. 7**  
 SB ROUTE 101 CONNECTOR  
 OFF-RAMP TO SB ROUTE 114/WILLOW Rd  
 CLOSED  
 VIA: SB ROUTE 101;  
 LOOP OFF-RAMP TO NB WILLOW Rd/ROUTE 114;  
 LOOP ON-RAMP TO NB ROUTE 101;  
 LOOP OFF-RAMP TO SB WILLOW Rd/ROUTE 114

**DETOUR PLAN No. 8**  
 SB ROUTE 101 LOOP ON-RAMP  
 FROM SB WILLOW Rd/ROUTE 114  
 CLOSED  
 VIA: SB WILLOW Rd/ROUTE 114;  
 SB MIDDLEFIELD Rd;  
 NB UNIVERSITY Ave;  
 ON-RAMP TO SB ROUTE 101

**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-5**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

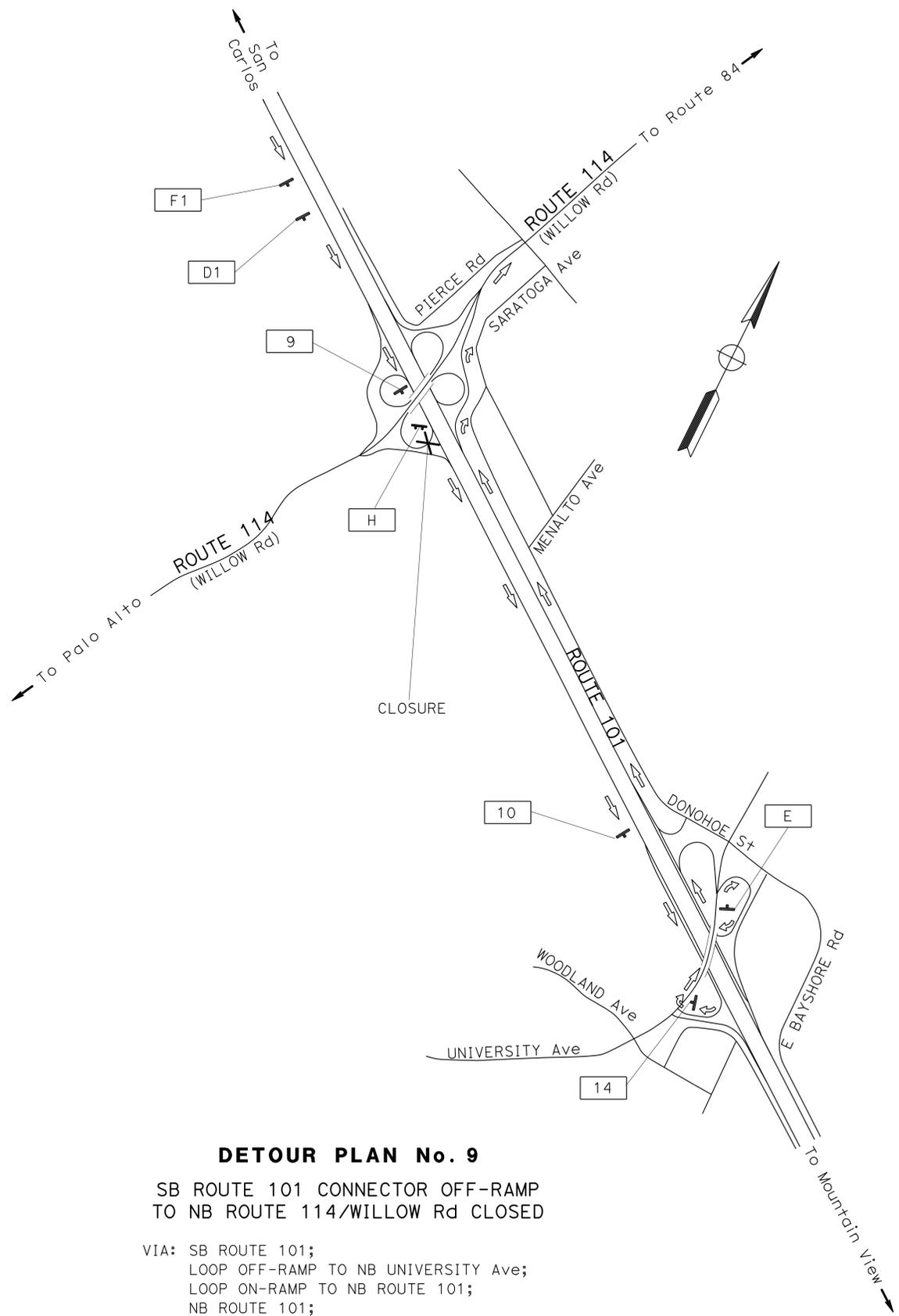
FOR NOTES AND LEGEND,  
 SEE SHEET CS-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	135	568

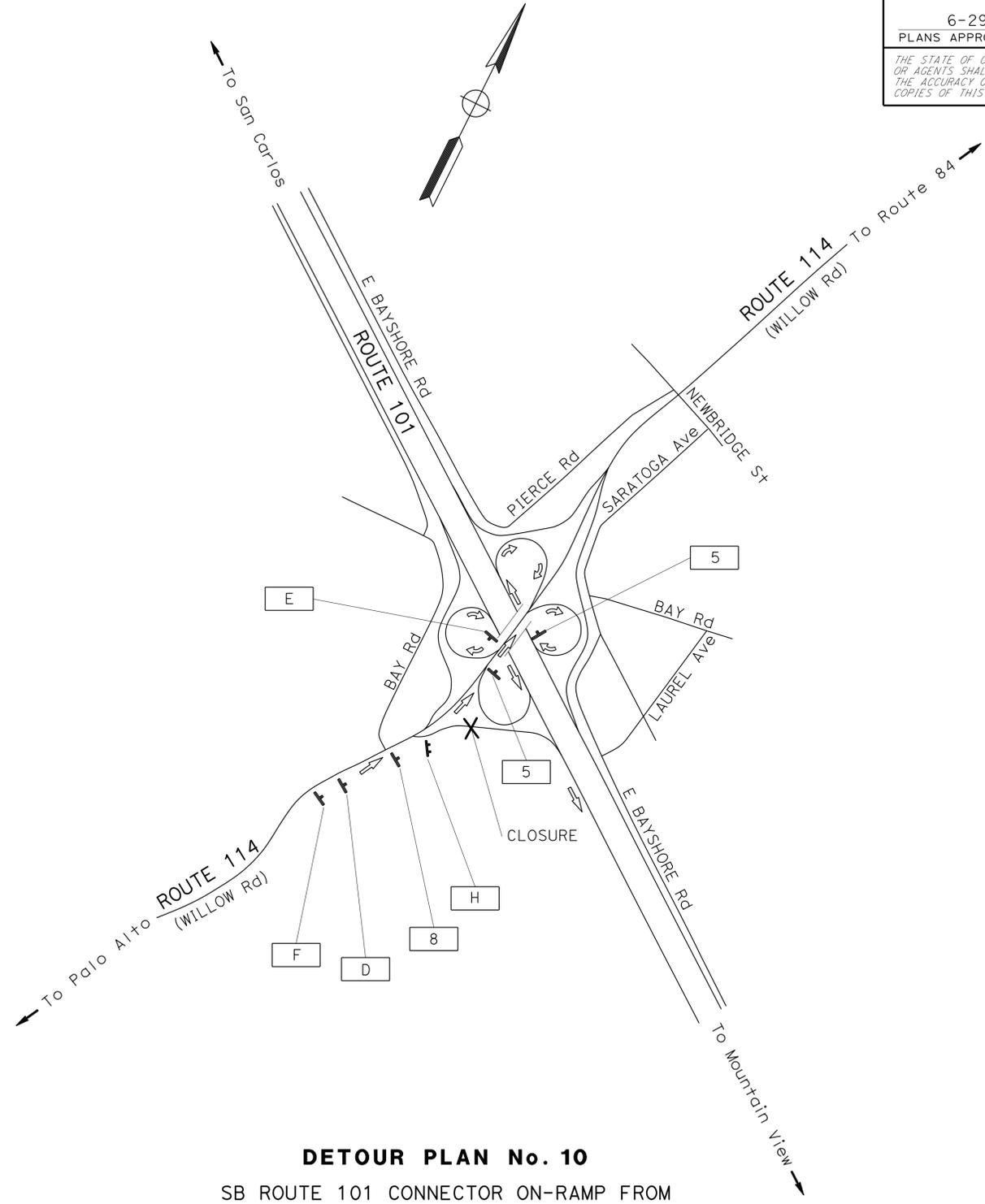
6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

DUC DUY VO  
 No. 74538  
 Exp. 12-31-17  
 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.



**DETOUR PLAN No. 9**  
 SB ROUTE 101 CONNECTOR OFF-RAMP TO NB ROUTE 114/WILLOW Rd CLOSED  
 VIA: SB ROUTE 101;  
 LOOP OFF-RAMP TO NB UNIVERSITY Ave;  
 LOOP ON-RAMP TO NB ROUTE 101;  
 NB ROUTE 101;  
 OFF-RAMP TO NB WILLOW Rd/ROUTE 114



**DETOUR PLAN No. 10**  
 SB ROUTE 101 CONNECTOR ON-RAMP FROM NB ROUTE 114/WILLOW Rd CLOSED  
 VIA: NB WILLOW Rd/ROUTE 114 CONNECTOR OFF-RAMP TO NB ROUTE 101;  
 NB ROUTE 101 CONNECTOR OFF-RAMP TO SB WILLOW Rd/ROUTE 114;  
 SB WILLOW Rd/ROUTE 114 CONNECTOR OFF-RAMP TO SB ROUTE 101

**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-6**

FOR NOTES AND LEGEND, SEE SHEET CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	DUC VO	REVISOR	DV
<b>Caltrans</b>	TRAFFIC	CHECKED BY	RAJESH OBEROI	DATE REVISED	10-15-15

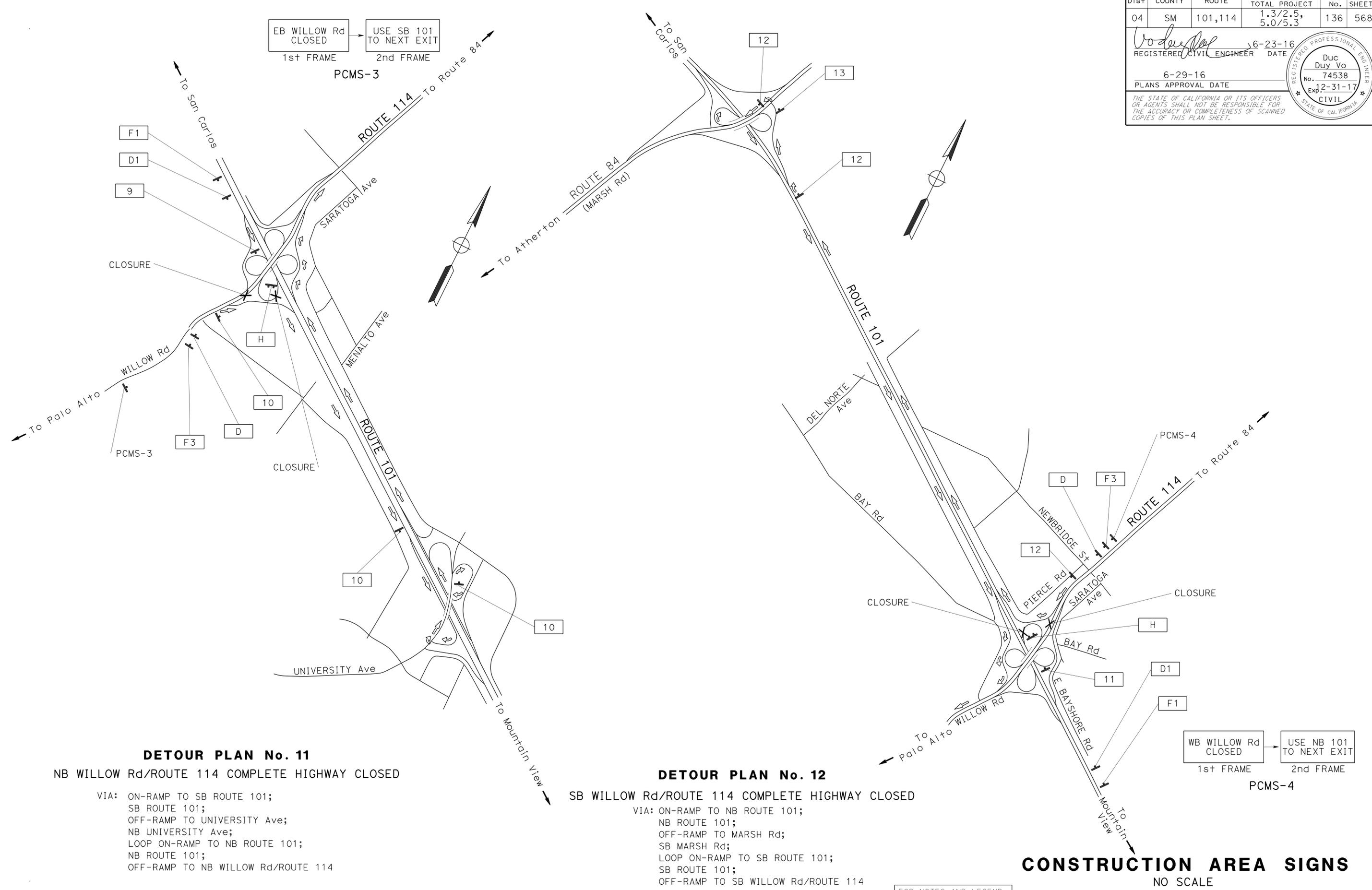
LAST REVISION DATE PLOTTED => 16-AUG-2016 10-08-15 TIME PLOTTED => 14:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	136	568

6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Duc Duy Vo  
 No. 74538  
 Exp. 2-31-17  
 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.



**DETOUR PLAN No. 11**  
 NB WILLOW Rd/ROUTE 114 COMPLETE HIGHWAY CLOSED

VIA: ON-RAMP TO SB ROUTE 101;  
 SB ROUTE 101;  
 OFF-RAMP TO UNIVERSITY Ave;  
 NB UNIVERSITY Ave;  
 LOOP ON-RAMP TO NB ROUTE 101;  
 NB ROUTE 101;  
 OFF-RAMP TO NB WILLOW Rd/ROUTE 114

**DETOUR PLAN No. 12**  
 SB WILLOW Rd/ROUTE 114 COMPLETE HIGHWAY CLOSED

VIA: ON-RAMP TO NB ROUTE 101;  
 NB ROUTE 101;  
 OFF-RAMP TO MARSH Rd;  
 SB MARSH Rd;  
 LOOP ON-RAMP TO SB ROUTE 101;  
 SB ROUTE 101;  
 OFF-RAMP TO SB WILLOW Rd/ROUTE 114

WB WILLOW Rd CLOSED  
 1st FRAME

USE NB 101 TO NEXT EXIT  
 2nd FRAME  
 PCMS-4

**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-7**

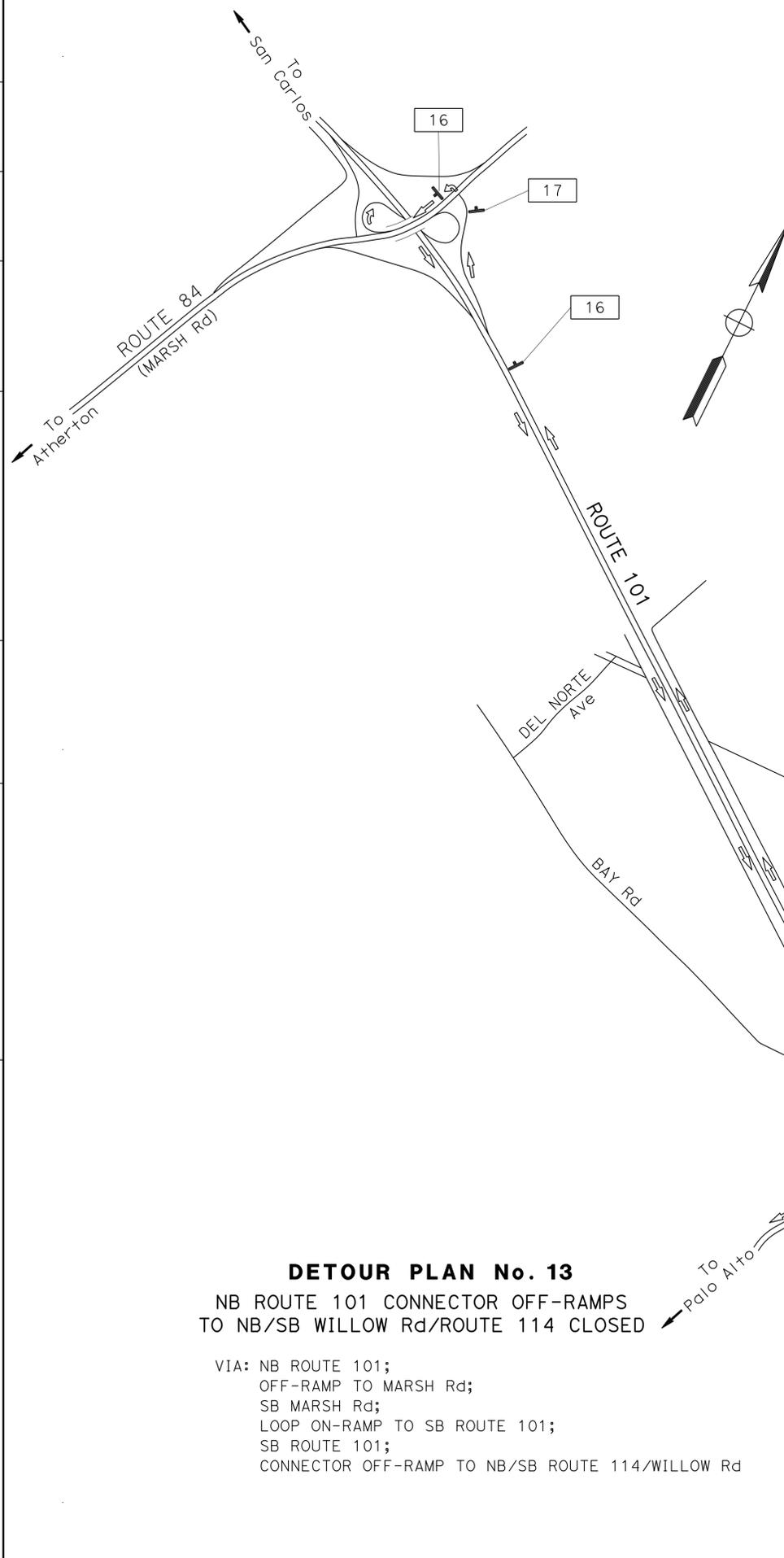
FOR NOTES AND LEGEND, SEE SHEET CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

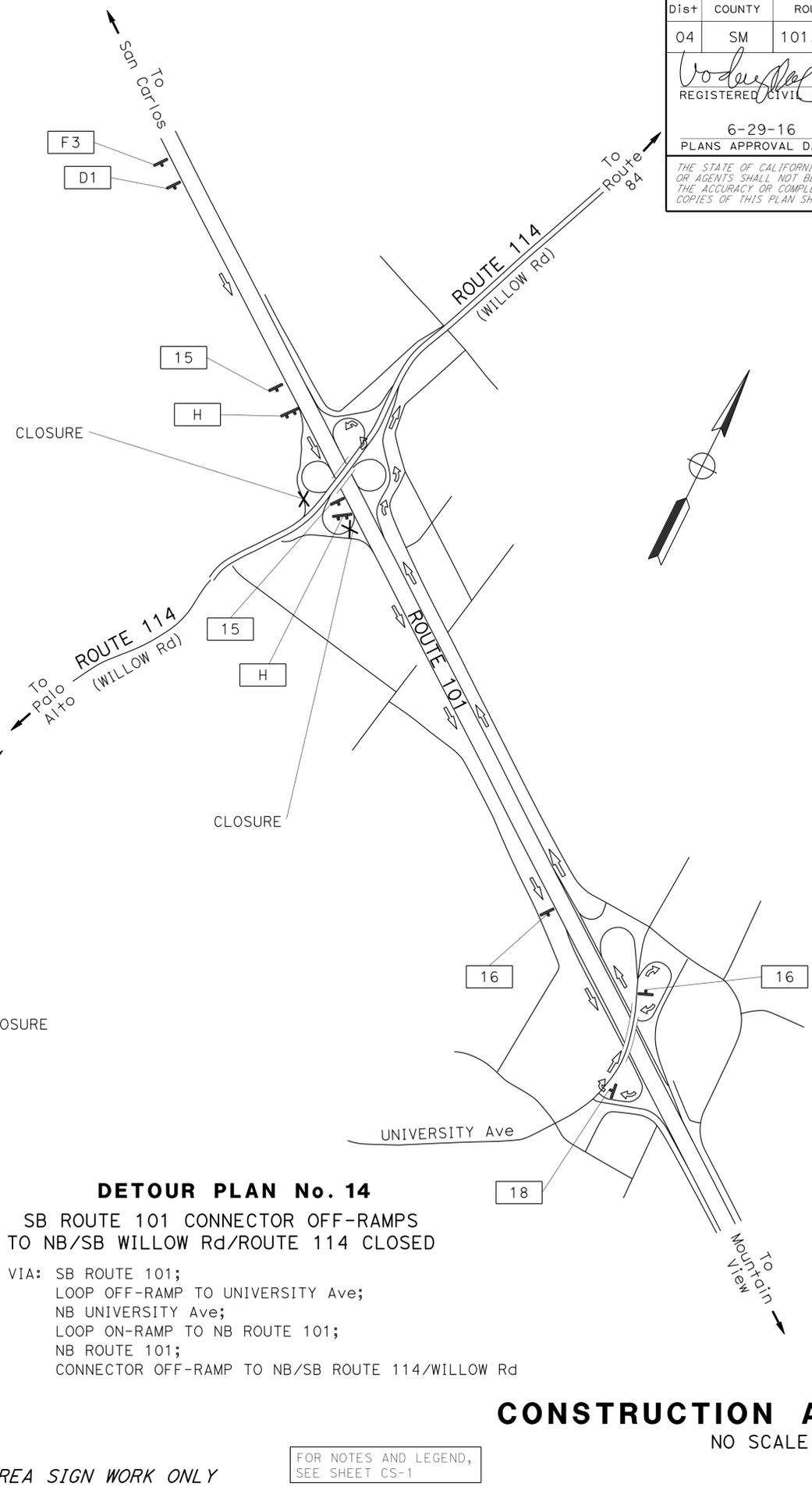
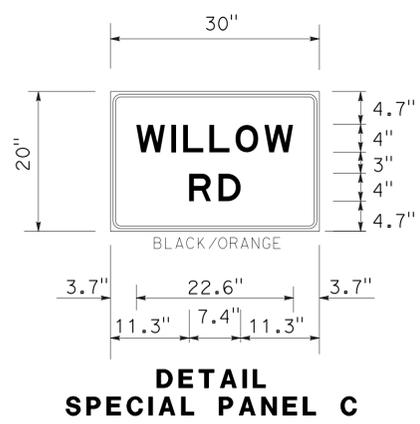
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DUC VO	REVISOR	DATE
TRAFFIC	RAJESH OBEROI	RAJESH OBEROI	10-15-15	
Caltrans				

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 FUNCTIONAL SUPERVISOR: RAJESH OBEROI  
 CHECKED BY: RAJESH OBEROI  
 DUC VO: RAJESH OBEROI  
 REVISIONS: DV 10-15-15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	137	568
REGISTERED CIVIL ENGINEER No. 74538 Exp. 2-31-17 CIVIL			6-23-16 DATE 6-29-16 PLANS APPROVAL DATE		



**DETOUR PLAN No. 13**  
 NB ROUTE 101 CONNECTOR OFF-RAMPS  
 TO NB/SB WILLOW Rd/ROUTE 114 CLOSED  
 VIA: NB ROUTE 101;  
 OFF-RAMP TO MARSH Rd;  
 SB MARSH Rd;  
 LOOP ON-RAMP TO SB ROUTE 101;  
 SB ROUTE 101;  
 CONNECTOR OFF-RAMP TO NB/SB ROUTE 114/WILLOW Rd



**DETOUR PLAN No. 14**  
 SB ROUTE 101 CONNECTOR OFF-RAMPS  
 TO NB/SB WILLOW Rd/ROUTE 114 CLOSED  
 VIA: SB ROUTE 101;  
 LOOP OFF-RAMP TO UNIVERSITY Ave;  
 NB UNIVERSITY Ave;  
 LOOP ON-RAMP TO NB ROUTE 101;  
 NB ROUTE 101;  
 CONNECTOR OFF-RAMP TO NB/SB ROUTE 114/WILLOW Rd

**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-8**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

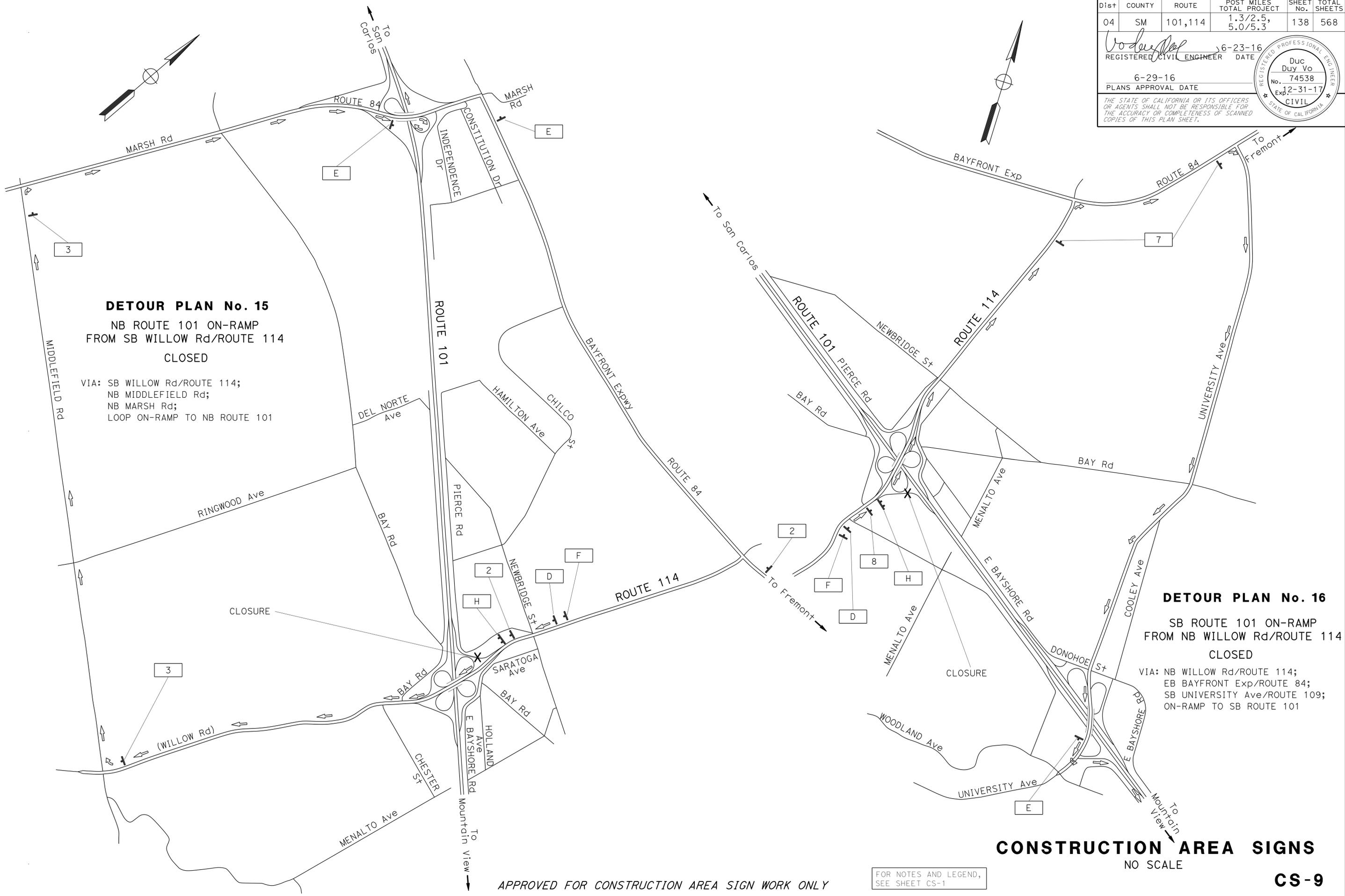
FOR NOTES AND LEGEND,  
 SEE SHEET CS-1

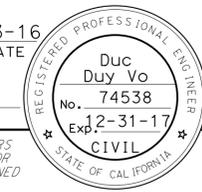
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	138	568

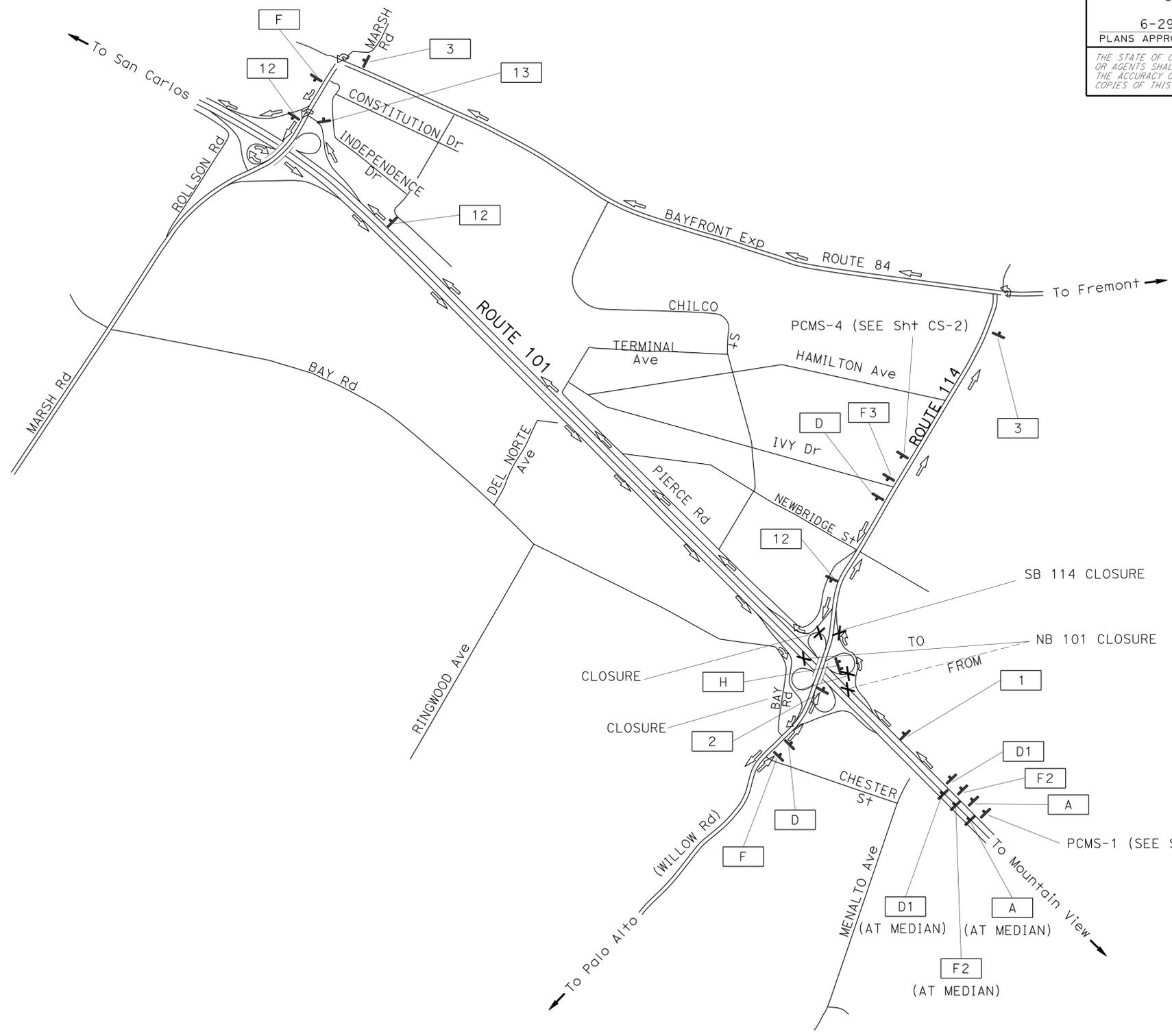
REGISTERED CIVIL ENGINEER: *Duc Duy Vo*  
 No. 74538  
 Exp. 12-31-17  
 CIVIL  
 STATE OF CALIFORNIA

6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	139	568
 REGISTERED CIVIL ENGINEER			6-23-16	DATE	
PLANS APPROVAL DATE			6-29-16		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
					



**DETOUR PLAN No. 17A**  
 NB ROUTE 101 WITH SB ROUTE 114  
 CLOSED  
 (STAGE 1 EXISTING CONFIGURATION)

**FOR NB ROUTE 101 CLOSURE**  
 FROM NB 101:  
 VIA: NB ROUTE 101;  
 OFF-RAMP TO NB WILLOW Rd/ROUTE 114;  
 WB BAYFRONT Exp;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101

**FOR SB WILLOW Rd/ROUTE 114 CLOSURE**  
 FROM SB WILLOW Rd/ROUTE 114:  
 VIA: OFF-RAMP TO NB ROUTE 101;  
 OFF-RAMP TO MARSH Rd;  
 SB MARSH Rd;  
 ON-RAMP TO SB ROUTE 101;  
 OFF-RAMP TO SB WILLOW Rd/ROUTE 114

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
<b>Caltrans</b>	RAJESH OBEROI	DUC VO	10-15-15
TRAFFIC	RAJESH OBEROI	RAJESH OBEROI	
	CHECKED BY	DESIGNED BY	

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

FOR NOTES AND LEGEND,  
 SEE SHEET CS-1

**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-10**

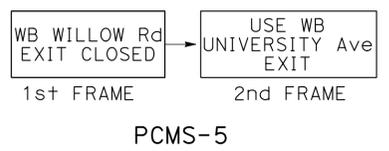
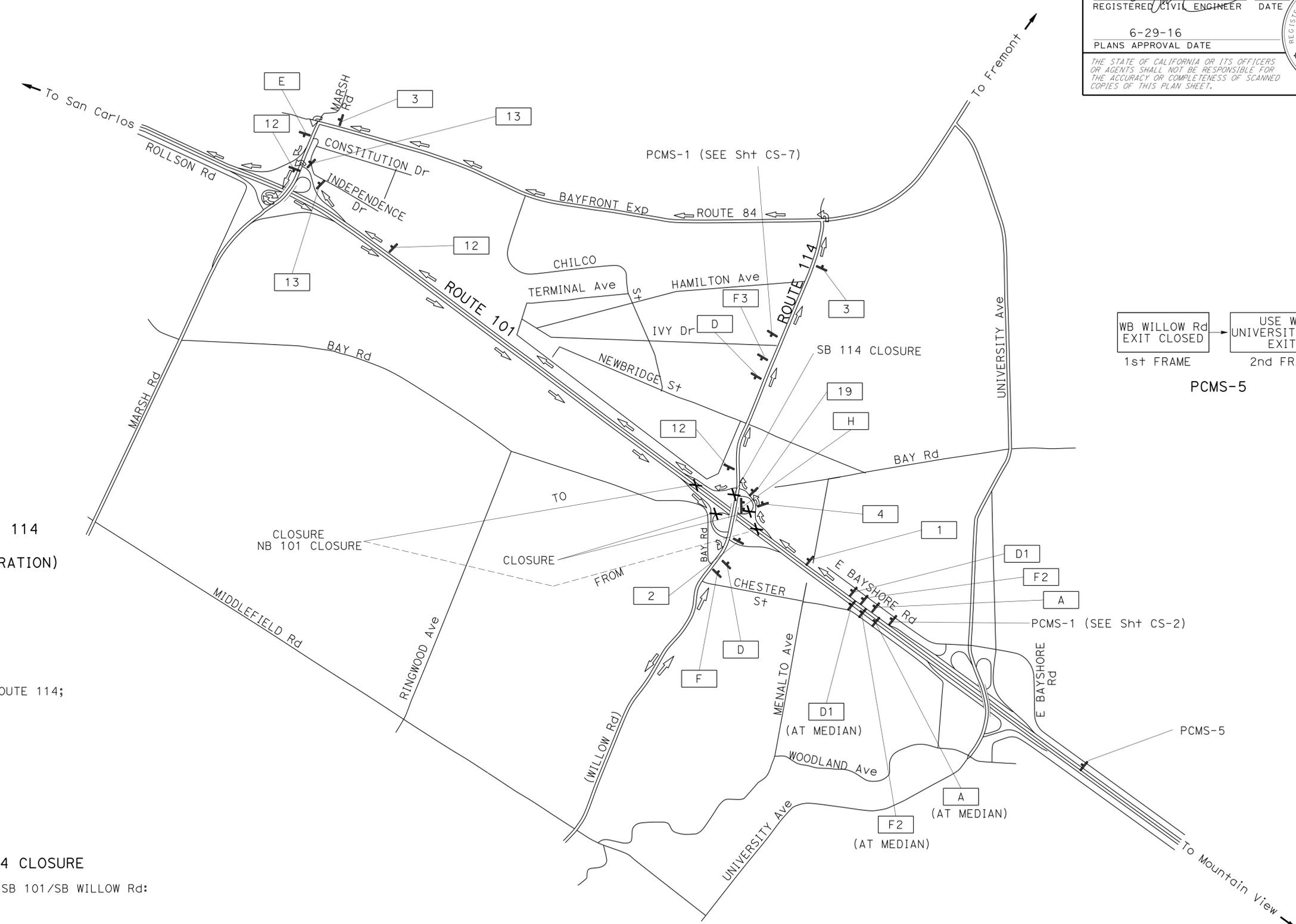
LAST REVISION | DATE PLOTTED => 16-AUG-2016  
 01-26-16 | TIME PLOTTED => 14:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	140	568

6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

Duc Duy Vo  
 No. 74538  
 Exp. 2-31-17  
 CIVIL

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**DETOUR PLAN No. 17B**

NB ROUTE 101 WITH SB ROUTE 114  
 CLOSED  
 (STAGE 1 AND STAGE 3 CONFIGURATION)

FOR NB ROUTE 101 CLOSURE

FROM NB 101  
 VIA: NB ROUTE 101;  
 OFF-RAMP TO NB WILLOW Rd/ROUTE 114;  
 WB BAYFRONT Exp;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101

FROM NB WILLOW Rd/ROUTE 114  
 VIA: NB WILLOW Rd/ROUTE 114;  
 WB BAYFRONT Exp;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101

FOR SB WILLOW Rd/ROUTE 114 CLOSURE

FROM SB WILLOW Rd/ROUTE 114 TO SB 101/SB WILLOW Rd:  
 VIA: OFF-RAMP TO NB ROUTE 101;  
 OFF-RAMP TO MARSH Rd;  
 SB MARSH Rd;  
 ON-RAMP TO SB ROUTE 101

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 TRAFFIC  
 Rajesh Oberoi  
 Functional Supervisor  
 Rajesh Oberoi  
 Calculated/Designed By  
 Checked By  
 DUC VO  
 RAJESH OBEROI  
 Revised By  
 DATE REVISED  
 DV  
 10-15-15



APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

FOR NOTES AND LEGEND,  
 SEE SHEET CS-1

**CONSTRUCTION AREA SIGNS**

NO SCALE

**CS-11**

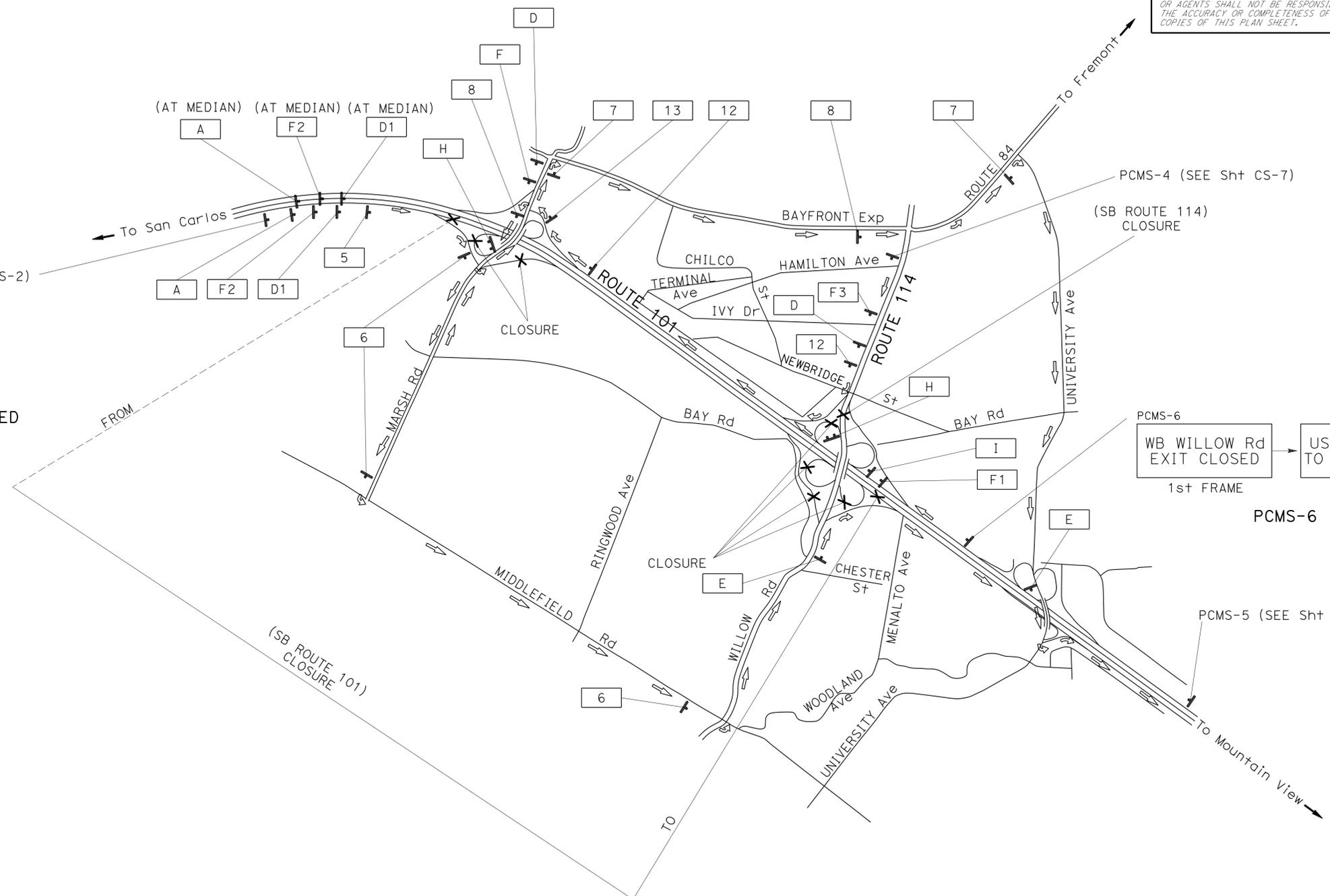


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	141	568

6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

Duc Duy Vo  
 No. 74538  
 Exp. 2-31-17  
 CIVIL

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.



**DETOUR PLAN No. 18A**

SB ROUTE 101 WITH SB ROUTE 114 CLOSED  
(STAGE 1 EXISTING CONFIGURATION)

**FOR SB ROUTE 101 CLOSURE**

FROM SB ROUTE 101  
 VIA: OFF-RAMP TO NB MARSH Rd;  
 SB BAYFRONT Exp;  
 SB UNIVERSITY Ave;  
 ON-RAMP TO SB ROUTE 101

FROM NB MARSH Rd  
 VIA: CONTINUE NB MARSH Rd;  
 SB BAYFRONT Exp;  
 SB UNIVERSITY Ave;  
 ON-RAMP TO SB ROUTE 101

FROM SB MARSH Rd  
 VIA: CONTINUE SB MARSH Rd;  
 SB MIDDLEFIELD Rd;  
 NB WILLOW Rd/ROUTE 114;  
 ON-RAMP TO SB ROUTE 101

**FOR SB WILLOW Rd CLOSURE**

FROM SB WILLOW Rd/ROUTE 114  
 VIA: OFF-RAMP TO NB ROUTE 101;  
 OFF-RAMP TO SB MARSH Rd;  
 SB MIDDLEFIELD Rd;  
 NB WILLOW Rd/ROUTE 114

**CONSTRUCTION AREA SIGNS**

NO SCALE

**CS-12**

FOR NOTES AND LEGEND,  
SEE SHEET CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
TRAFFIC	RAJESH OBEROI	DUC VO	10-15-15
	RAJESH OBEROI	RAJESH OBEROI	10-15-15
	CHECKED BY	DESIGNED BY	

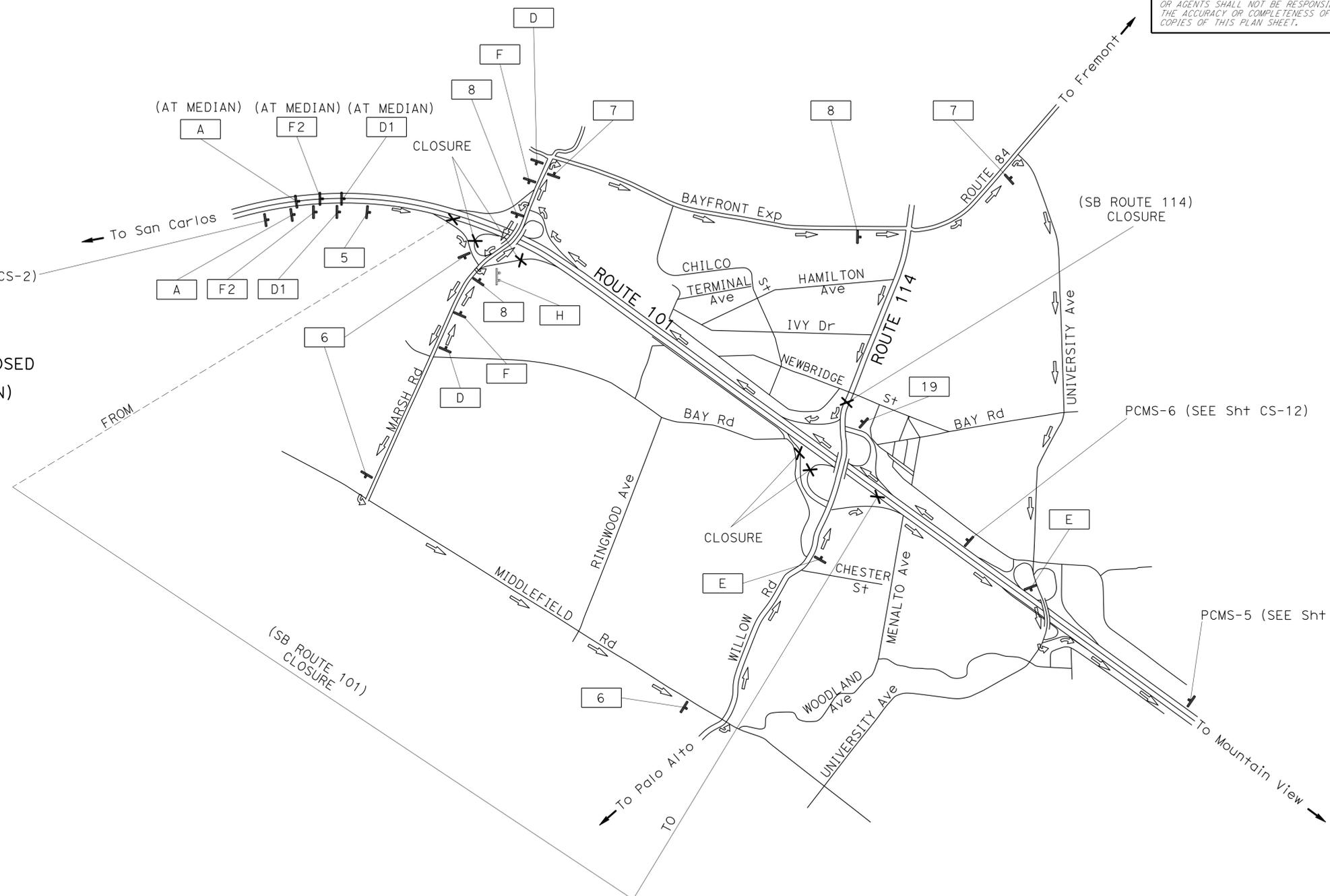
LAST REVISION DATE PLOTTED => 16-AUG-2016  
 01-04-16 TIME PLOTTED => 14:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	142	568

6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

No. 74538  
 Exp. 2-31-17  
 CIVIL

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.



**DETOUR PLAN No. 18B**

SB ROUTE 101 WITH SB ROUTE 114 CLOSED  
(STAGE 3 AND STAGE 4 CONFIGURATION)

FOR SB ROUTE 101 CLOSURE

FROM SB ROUTE 101

VIA: OFF-RAMP TO NB MARSH Rd;  
SB BAYFRONT Exp;  
SB UNIVERSITY Ave;  
ON-RAMP TO SB ROUTE 101

FROM NB MARSH Rd

VIA: CONTINUE NB MARSH Rd;  
SB BAYFRONT Exp;  
SB UNIVERSITY Ave;  
ON-RAMP TO SB ROUTE 101

FROM SB MARSH Rd

VIA: CONTINUE SB MARSH Rd;  
SB MIDDLEFIELD Rd;  
NB WILLOW Rd/ROUTE 114;  
ON-RAMP TO SB ROUTE 101

FOR SB WILLOW Rd CLOSURE

FROM SB WILLOW Rd/ROUTE 114

VIA: OFF-RAMP TO NB ROUTE 101;  
OFF-RAMP TO SB MARSH Rd;  
SB MIDDLEFIELD Rd;  
NB WILLOW Rd/ROUTE 114

FROM NB ROUTE 101

VIA: CONTINUE NB ROUTE 101;  
OFF-RAMP TO SB MARSH Rd;  
SB MIDDLEFIELD Rd;  
NB WILLOW Rd/ROUTE 114

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 TRAFFIC  
 FUNCTIONAL SUPERVISOR: RAJESH OBEROI  
 DUC VO: RAJESH OBEROI  
 REVISIONS: DV 10-15-15  
 CALCULATED/DESIGNED BY: RAJESH OBEROI  
 CHECKED BY:

**CONSTRUCTION AREA SIGNS**

NO SCALE

**CS-13**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

FOR NOTES AND LEGEND,  
SEE SHEET CS-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	143	568

REGISTERED CIVIL ENGINEER DATE 6-23-16  
 REGISTERED CIVIL ENGINEER No. 74538 Exp. 2-31-17  
 PLAN'S APPROVAL DATE 6-29-16

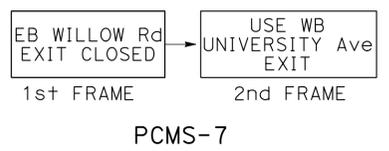
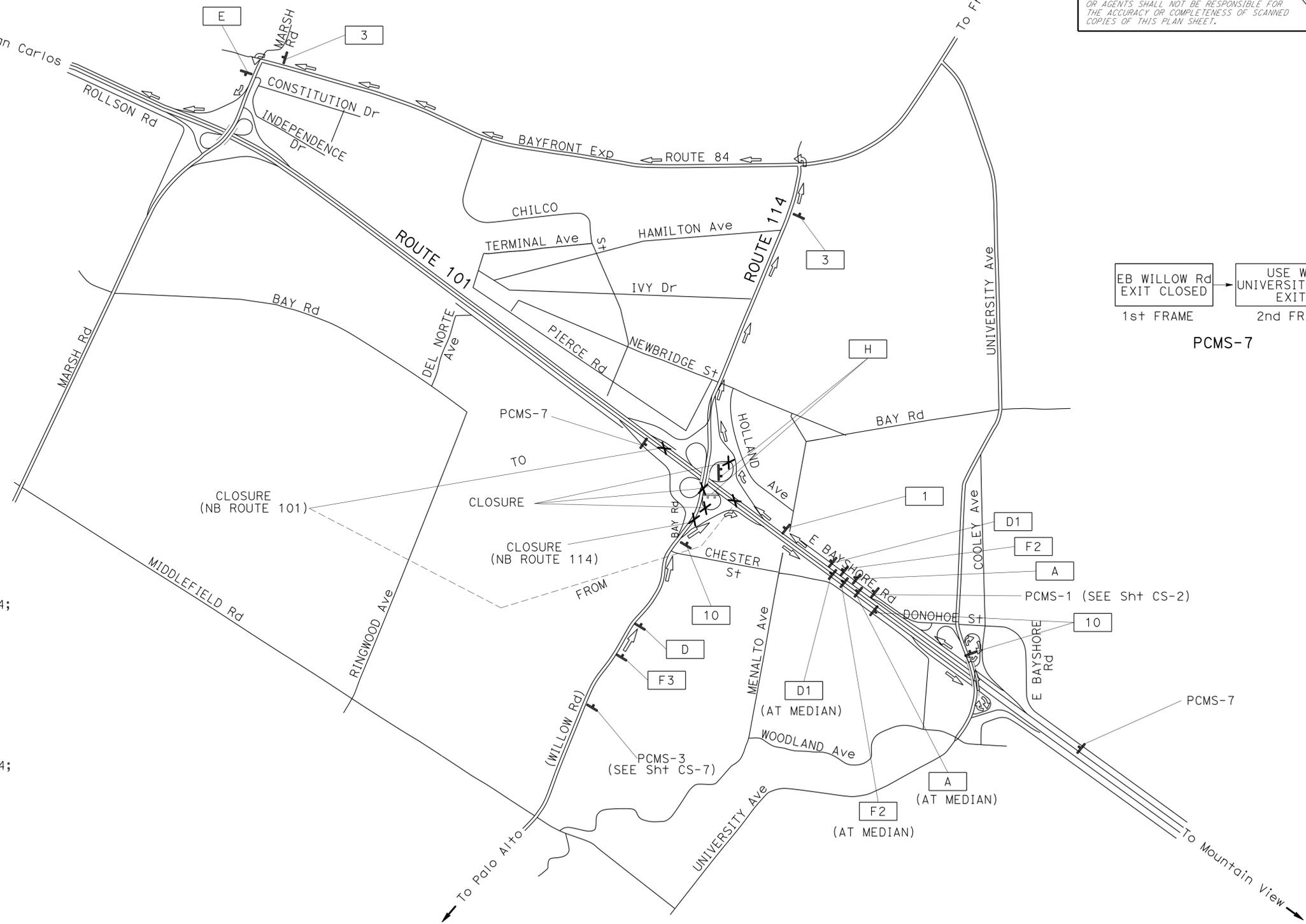
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**DETOUR PLAN No. 19A**  
 NB ROUTE 101 AND NB ROUTE 114/WILLOW Rd COMPLETE CLOSURE

**FOR NB ROUTE 101 CLOSURE**  
 FROM NB 101  
 VIA: NB ROUTE 101;  
 OFF-RAMP TO NB WILLOW Rd/ROUTE 114;  
 WB BAYFRONT Exp;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101

FROM NB WILLOW Rd/ROUTE 114  
 VIA: SB ROUTE 101 ON-RAMP;  
 OFF-RAMP TO NB UNIVERSITY Ave;  
 ON-RAMP TO NB ROUTE 101;  
 OFF-RAMP TO NB WILLOW Rd/ROUTE 114;  
 WB BAYFRONT Exp;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101

**FOR NB ROUTE 114 CLOSURE**  
 FROM NB ROUTE 114  
 VIA: SB ROUTE 101 ON-RAMP,  
 OFF-RAMP TO NB UNIVERSITY Ave;  
 ON-RAMP TO NB ROUTE 101,  
 OFF-RAMP TO NB ROUTE 114

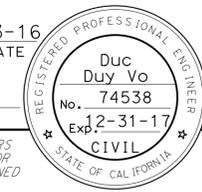


FOR NOTES AND LEGEND,  
 SEE SHEET CS-1

**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-14**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	RAJESH OBEROI
TRAFFIC	CALCULATED/DESIGNED BY	CHECKED BY
	DUC VO	RAJESH OBEROI
	REVISOR	DV
	DATE REVISED	10-15-15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	144	568
 REGISTERED CIVIL ENGINEER DATE 6-23-16					
6-29-16 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TRAFFIC
FUNCTIONAL SUPERVISOR	RAJESH OBEROI
CALCULATED/DESIGNED BY	CHECKED BY
DUC VO	RAJESH OBEROI
REVISED BY	DATE REVISED
DV	10-15-15

**DETOUR PLAN No. 19B**

NB ROUTE 101 WITH NB ROUTE 114 (STAGE 3 AND STAGE 4 NEW CONFIGURATION)

**FOR NB ROUTE 101 CLOSURE**

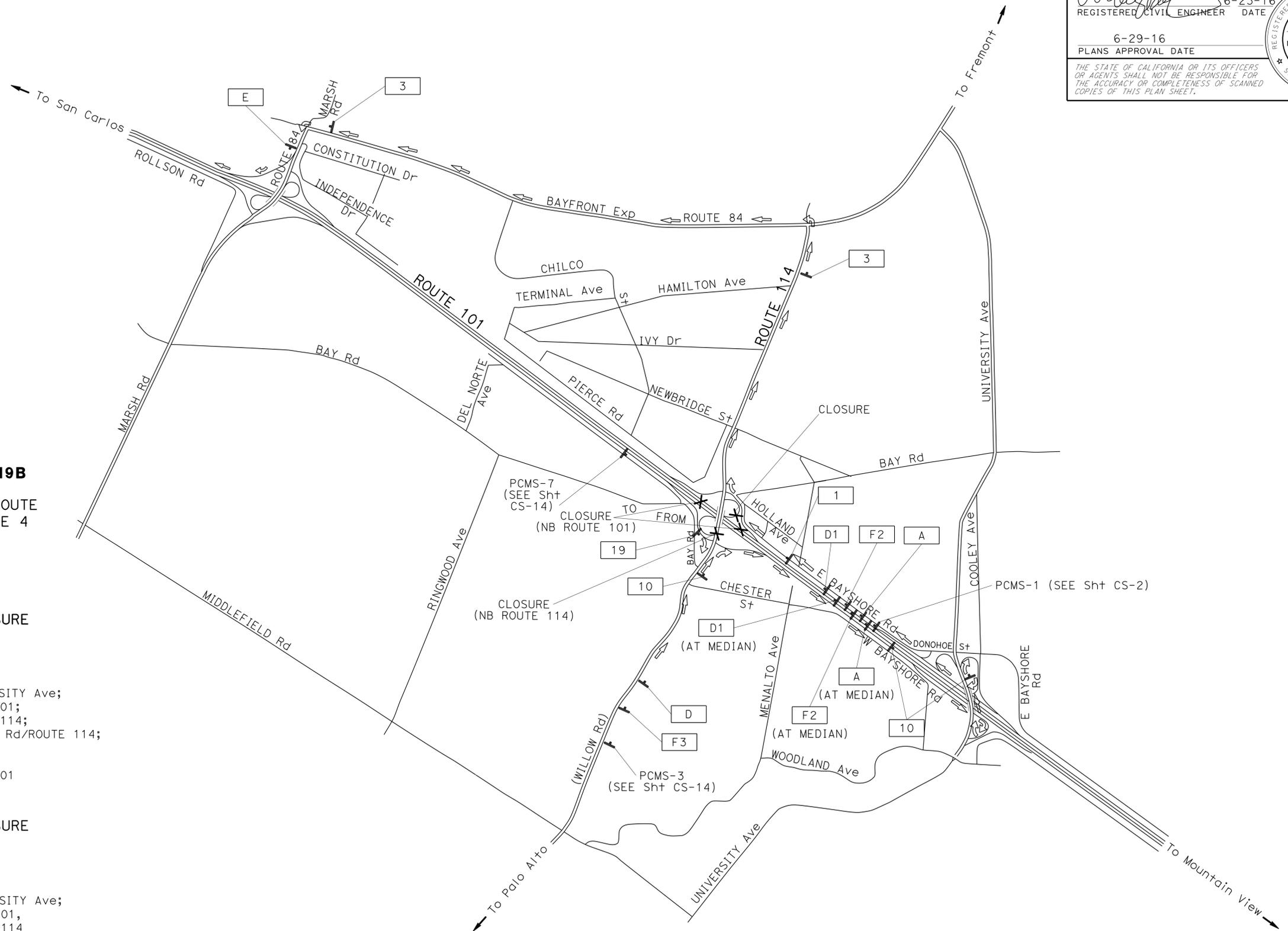
FROM NB 101

- VIA: NB ROUTE 101;  
 SB ROUTE 101 ON-RAMP;  
 OFF-RAMP TO NB UNIVERSITY Ave;  
 ON-RAMP TO NB ROUTE 101;  
 OFF-RAMP TO NB ROUTE 114;  
 OFF-RAMP TO NB WILLOW Rd/ROUTE 114;  
 WB BAYFRONT Exp;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101

**FOR NB ROUTE 114 CLOSURE**

FROM NB ROUTE 114

- VIA: SB ROUTE 101 ON-RAMP,  
 OFF-RAMP TO NB UNIVERSITY Ave;  
 ON-RAMP TO NB ROUTE 101,  
 OFF-RAMP TO NB ROUTE 114



FOR NOTES AND LEGEND,  
 SEE SHEET CS-1

**CONSTRUCTION AREA SIGNS**

NO SCALE

**CS-15**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY



LAST REVISION | DATE PLOTTED => 16-AUG-2016  
 10-12-15 | TIME PLOTTED => 14:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	145	568

REGISTERED CIVIL ENGINEER: Duc Duy Vo  
 No. 74538  
 Exp. 2-31-17  
 CIVIL  
 STATE OF CALIFORNIA  
 6-23-16 DATE  
 6-29-16 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**DETOUR PLAN No. 20A**

S/B ROUTE 101 WITH NB ROUTE 114 (STAGE 1 EXISTING CONFIGURATION)

**FOR SB ROUTE 101 CLOSURE**

FROM SB ROUTE 101

VIA: OFF-RAMP TO NB MARSH Rd;  
 SB BAYFRONT Exp;  
 SB UNIVERSITY Ave;  
 ON-RAMP TO SB ROUTE 101

FROM NB MARSH Rd

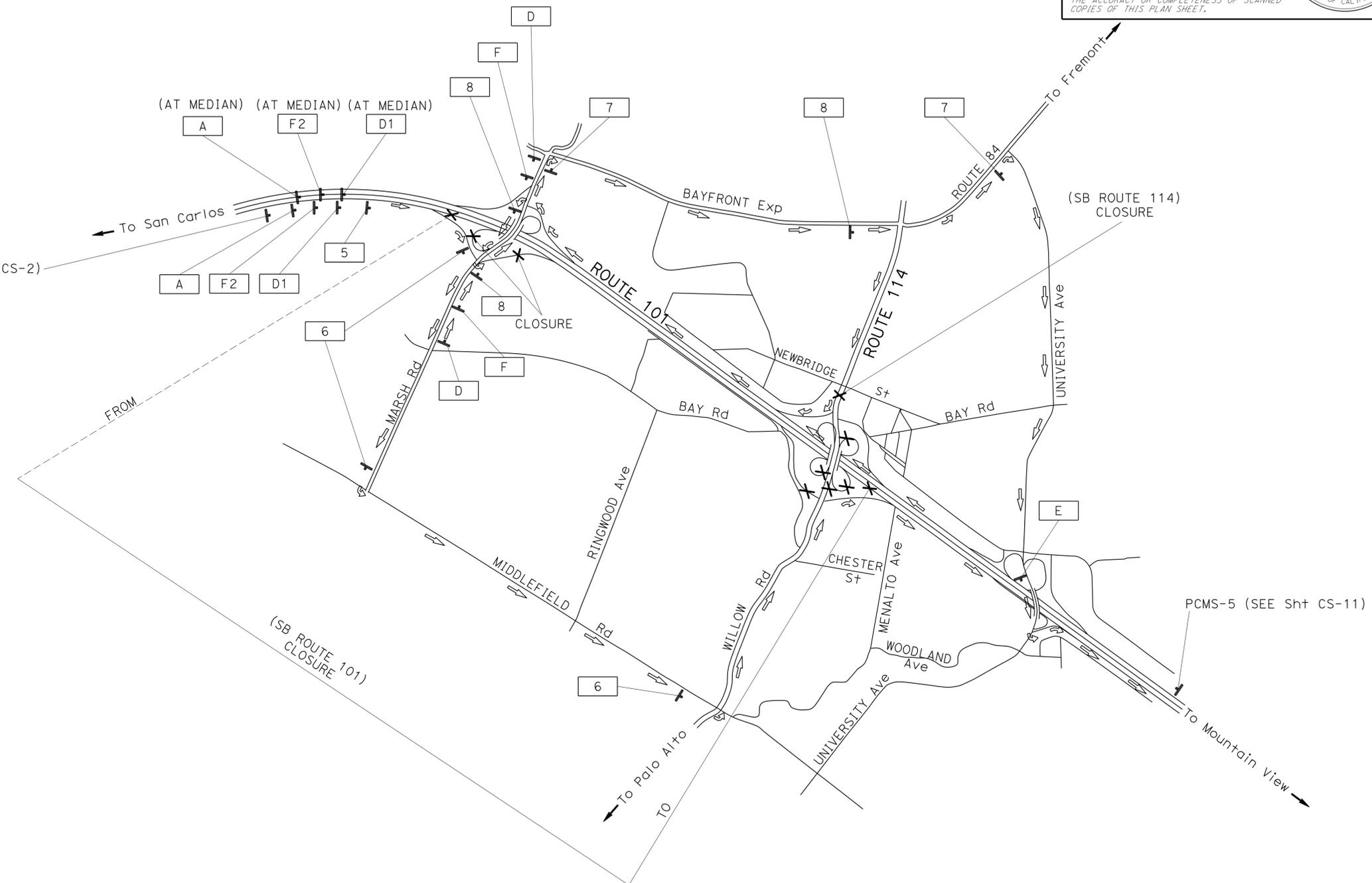
VIA: CONTINUE NB MARSH Rd;  
 SB BAYFRONT Exp;  
 SB UNIVERSITY Ave;  
 ON-RAMP TO SB ROUTE 101

FROM SB MARSH Rd

VIA: CONTINUE SB MARSH Rd;  
 SB MIDDLEFIELD Rd;  
 NB WILLOW Rd/ROUTE 114;  
 ON-RAMP TO SB ROUTE 101

FROM NB ROUTE 101

VIA: NB ROUTE 101;  
 OFF-RAMP TO NB WILLOW Rd/ROUTE 114;  
 WB BAYFRONT Exp;  
 SB MARSH Rd;  
 ON-RAMP TO NB ROUTE 101



**CONSTRUCTION AREA SIGNS**

NO SCALE

**CS-16**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET CS-1

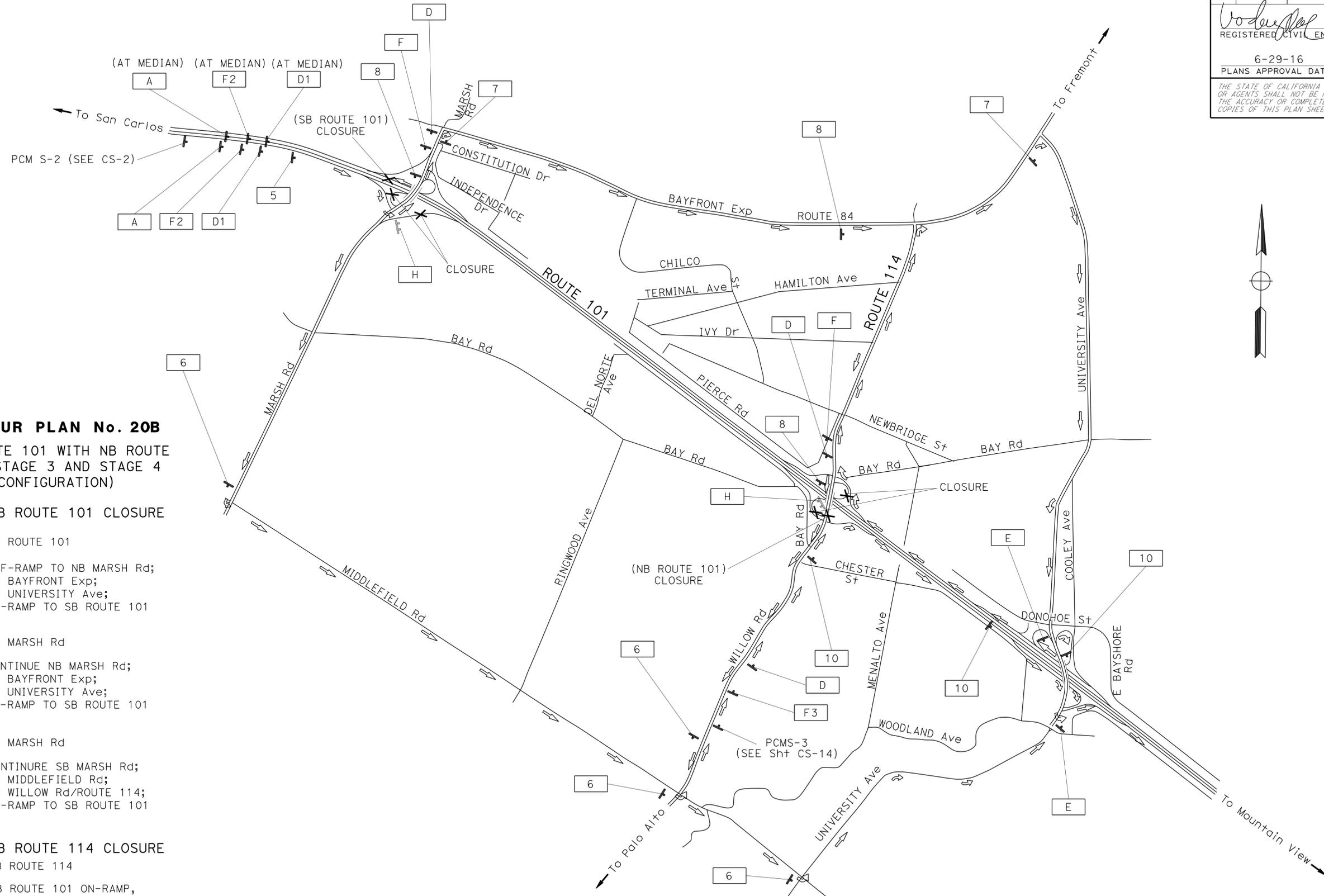


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	146	568

6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

Duc Duy Vo  
 No. 74538  
 Exp. 2-31-17  
 CIVIL

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.



**DETOUR PLAN No. 20B**  
 SB ROUTE 101 WITH NB ROUTE 114 (STAGE 3 AND STAGE 4 CONFIGURATION)

FOR SB ROUTE 101 CLOSURE

FROM SB ROUTE 101

VIA: OFF-RAMP TO NB MARSH Rd;  
 SB BAYFRONT Exp;  
 SB UNIVERSITY Ave;  
 ON-RAMP TO SB ROUTE 101

FROM NB MARSH Rd

VIA: CONTINUE NB MARSH Rd;  
 SB BAYFRONT Exp;  
 SB UNIVERSITY Ave;  
 ON-RAMP TO SB ROUTE 101

FROM SB MARSH Rd

VIA: CONTINUE SB MARSH Rd;  
 SB MIDDLEFIELD Rd;  
 NB WILLOW Rd/ROUTE 114;  
 ON-RAMP TO SB ROUTE 101

FOR NB ROUTE 114 CLOSURE

FROM NB ROUTE 114

VIA: SB ROUTE 101 ON-RAMP,  
 OFF-RAMP TO NB UNIVERSITY Ave;  
 ON-RAMP TO NB ROUTE 101,  
 OFF-RAMP TO NB ROUTE 114

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TRAFFIC
FUNCTIONAL SUPERVISOR	RAJESH OBEROI
CALCULATED/DESIGNED BY	CHECKED BY
DUC VO	RAJESH OBEROI
REVISOR	DATE
DV	10-15-15

**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-17**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

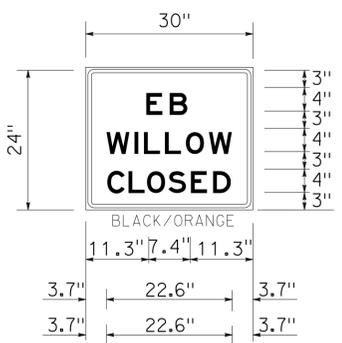
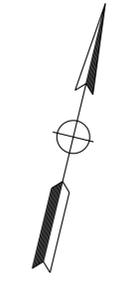
FOR NOTES AND LEGEND, SEE SHEET CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 FUNCTIONAL SUPERVISOR: RAJESH OBEROI  
 CALCULATED/DESIGNED BY: RAJESH OBEROI  
 DUC VO: RAJESH OBEROI  
 REVISIONS: DV 10-15-15  
 TRAFFIC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	147	568

REGISTERED CIVIL ENGINEER: Duc Duy Vo  
 No. 74538  
 Exp. 2-31-17  
 DATE: 6-23-16  
 DATE: 6-29-16  
 PLANS APPROVAL DATE

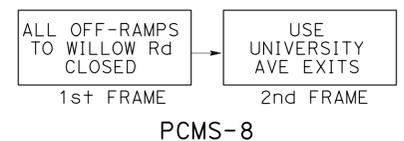
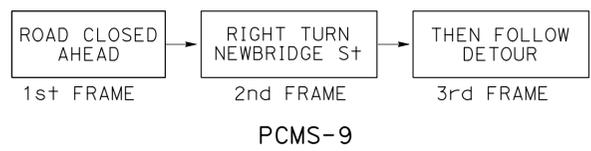
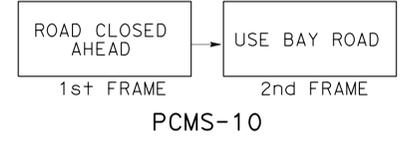
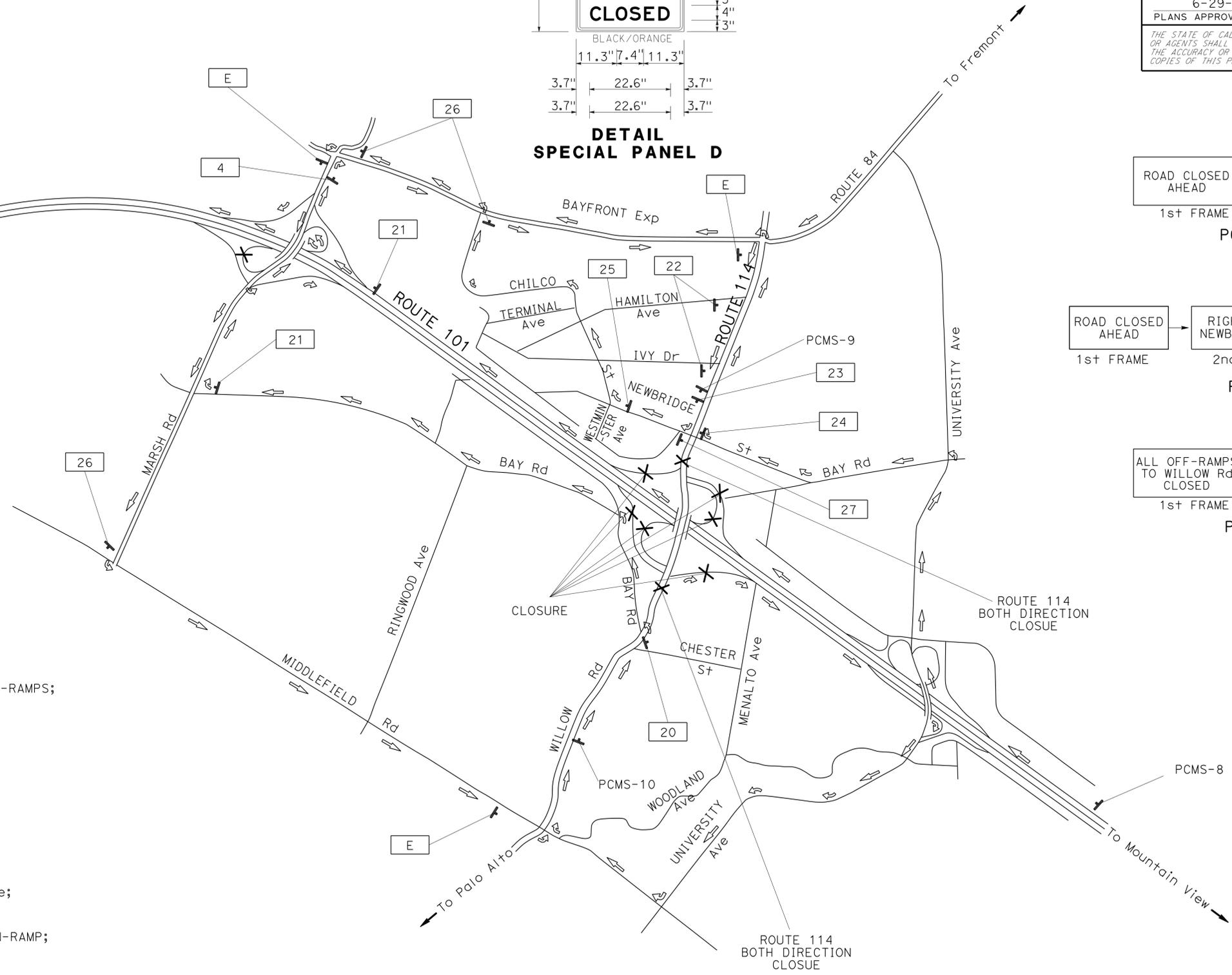
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**DETOUR PLAN No. 21**  
 NB AND SB ROUTE 114/WILLOW Rd COMPLETE CLOSURE (STAGE 3 AND PHASE 1 NEW CONFIGURATION)

**FOR NB ROUTE 114 CLOSURE**  
 FROM NB ROUTE 114:  
 VIA: LEFT TURN ON BAY Rd;  
 NB MARSH Rd TO ROUTE 101 ON-RAMPS;  
 EB BAYFRONT Exp;  
 TO ROUTE 114

**FOR SB WILLOW Rd CLOSURE**  
 FROM SB WILLOW Rd/ROUTE 114  
 VIA: LEFT TURN ON NEWBRIDGE St;  
 RIGHT TURN ON WINDERMERE Ave;  
 KEEP ON NB CHILCO St;  
 WB BAYFRONT Exp;  
 SB MARSH Rd TO ROUTE 101 ON-RAMP;  
 SB MIDDLEFIELD Rd



**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-18**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET CS-1

**STATIONARY MOUNTED CONSTRUCTION AREA SIGNS**

SIGN	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NUMBER OF POSTS AND SIZE	No. OF SIGNS	REMARKS
A	W20-1	ROAD WORK AHEAD	48" x 48"	1-4" x 6"	22	
A1	W20-1	ROAD WORK AHEAD	36" x 36"	1-4" x 6"	3	
B	G20-2	END ROAD WORK	36" x 18"	1-4" x 4"	5	
C	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	72" x 36"	2-4" x 6"	2	
D	W20-2	DETOUR AHEAD	36" x 36"	1-4" x 6"	27	
D1	W20-2	DETOUR AHEAD	48" x 48"	1-4" x 6"	28	
E	M4-8A	END DETOUR	24" x 18"	1-4" x 4"	27	
F	W20-3(Mod)	RAMP CLOSED AHEAD	36" x 36"	1-4" x 6"	20	
F1	W20-3(Mod)	RAMP CLOSED AHEAD	48" x 48"	1-4" x 6"	7	
F2	W20-3(Mod)	ROAD CLOSED AHEAD	48" x 48"	1-4" x 6"	20	
F3	W20-3	ROAD CLOSED HEAD	36" x 36"	1-4" x 6"	10	
H	SC6-4(CA)	RAMP CLOSED (WITH DATE AND TIME)	60" x 48"	2-4" x 6"	29	
I	C38(CA)	USE NEXT EXIT	48" x 36"	1-4" x 6"	1	
1	M4-8 G47(CA) M1-4(101) G44(↗)(CA)	DETOUR NORTH US ROUTE SHIELD (101) UP RIGHT DIAGONAL ARROW	30" x 15" 26" x 12" 35" x 30" 26" x 18"	1-6" x 6"	7	
2	SC3(CA) G47(CA) M1-4(101)	DETOUR (STRAIGHT AHEAD ARROW) NORTH US ROUTE SHIELD (101)	48" x 18" 21" x 9" 28" x 24"	1-4" x 6"	7	
3	M4-8 G47(CA) M1-4(101) G34(L+)(CA)	DETOUR NORTH US ROUTE SHIELD (101) LEFT ARROW	24" x 12" 21" x 9" 28" x 24" 21" x 15"	1-4" x 6"	14	
4	M4-8 G47(CA) M1-4(101) G34(R+)(CA)	DETOUR NORTH US ROUTE SHIELD (101) RIGHT ARROW	24" x 12" 21" x 9" 28" x 24" 21" x 15"	1-4" x 6"	1	
5	M4-8 G48(CA) M1-4(101) G44(↗)(CA)	DETOUR SOUTH US ROUTE SHIELD (101) UP RIGHT DIAGONAL ARROW	30" x 15" 26" x 12" 35" x 30" 26" x 18"	1-6" x 6"	7	
6	M4-8 G48(CA) M1-4(101) G34(L+)(CA)	DETOUR SOUTH US ROUTE SHIELD (101) LEFT ARROW	24" x 12" 21" x 9" 28" x 24" 21" x 15"	1-4" x 6"	20	
7	M4-8 G48(CA) M1-4(101) G34(R+)(CA)	DETOUR SOUTH US ROUTE SHIELD (101) RIGHT ARROW	24" x 12" 21" x 9" 28" x 24" 21" x 15"	1-4" x 6"	12	
8	SC3(CA) G48(CA) M1-4(101)	DETOUR (STRAIGHT AHEAD ARROW) SOUTH US ROUTE SHIELD (101)	48" x 18" 21" x 9" 28" x 24"	1-4" x 6"	18	
9	SC3(CA) SPECIAL PANEL A	DETOUR TO EB WILL Rd STRAIGHT AHEAD ARROW	48" x 18" 30" x 24"	1-6" x 6"	3	SEE SHEET CS-3 FOR DETAILS
10	M4-8 SPECIAL PANEL A G44(↗)(CA)	DETOUR TO EB WILL Rd UP RIGHT DIAGONAL ARROW	24" x 12" 30" x 24" 21" x 15"	1-6" x 6"	15	SEE SHEET CS-3 FOR DETAILS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	148	568

6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Duc Duy Vo  
 No. 74538  
 Exp. 2-31-17  
 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.

**STATIONARY MOUNTED CONSTRUCTION AREA SIGNS**

SIGN	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NUMBER OF POSTS AND SIZE	No. OF SIGNS	REMARKS
11	SC3(CA) SPECIAL PANEL B	DETOUR TO WB WILLOW RD STRAIGHT AHEAD ARROW	48" x 18" 30" x 24"	1-6" x 6"	3	SEE SHEET CS-4 FOR DETAILS
12	M4-8 SPECIAL PANEL B G44(↗)(CA)	DETOUR TO WB WILLOW RD UP RIGHT DIAGONAL ARROW	24" x 12" 30" x 24" 21" x 15"	1-4" x 6"	15	SEE SHEET CS-4 FOR DETAILS
13	M4-8 SPECIAL PANEL B G34(L+)(CA)	DETOUR TO WB WILLOW RD LEFT ARROW	24" x 12" 30" x 24" 21" x 15"	1-4" x 6"	6	SEE SHEET CS-4 FOR DETAILS
14	M4-8 SPECIAL PANEL A G34(L+)(CA)	DETOUR TO EB WILLOW RD LEFT ARROW	24" x 12" 30" x 24" 21" x 15"	1-4" x 6"	1	SEE SHEET CS-3 FOR DETAILS
15	SC3(CA) SPECIAL PANEL C	DETOUR (STRAIGHT AHEAD ARROW) WILLOW Rd	48" x 18" 30" x 20"	1-6" x 6"	4	SEE SHEET CS-8 FOR DETAILS
16	M4-8 SPECIAL PANEL C G44(↗)(CA)	DETOUR WILLOW RD UP RIGHT DIAGONAL ARROW	24" x 12" 30" x 20" 21" x 15"	1-4" x 6"	4	SEE SHEET CS-8 FOR DETAILS
17	M4-8 SPECIAL PANEL C G34(L+)(CA)	DETOUR WILLOW RD LEFT ARROW	24" x 12" 30" x 20" 21" x 15"	1-4" x 6"	1	SEE SHEET CS-8 FOR DETAILS
18	M4-8 SPECIAL PANEL C G34(R+)(CA)	DETOUR WILLOW RD RIGHT ARROW	24" x 12" 30" x 20" 21" x 15"	1-4" x 6"	1	SEE SHEET CS-8 FOR DETAILS
19	R3-2 C2(CA)	LEFT TURN PROHIBITION ROAD CLOSED	24" x 24" 36" x 24"	1-4" x 6"	3	
20	M4-9L	DETOUR WITH LEFT ARROW	30" x 30"	1-4" x 6"	1	
21	M4-9R	DETOUR WITH RIGHT ARROW	30" x 30"	1-4" x 6"	2	
22	SPECIAL PANEL D M4-9L	EB WILLOW CLOSED DETOUR WITH LEFT ARROW	24" x 30" 30" x 30"	1-6" x 6"	2	
23	W20-3 M4-9R	ROAD CLOSED AHEAD DETOUR WITH RIGHT ARROW	36" x 36" 30" x 30"	1-6" x 6"	1	
24	SPECIAL PANEL D M4-9R	EB WILLOW CLOSED DETOUR WITH RIGHT ARROW	24" x 30" 30" x 30"	1-6" x 6"	1	SEE SHEET CS-18 FOR DETAILS
25	SPECIAL PANEL C M4-9R	WILLOW RD DETOUR WITH RIGHT ARROW	24" x 30" 30" x 30"	1-6" x 6"	1	SEE SHEET CS-8 FOR DETAILS
26	SPECIAL PANEL C M4-9L	WILLOW RD DETOUR WITH LEFT ARROW	24" x 30" 30" x 30"	1-6" x 6"	3	SEE SHEET CS-8 FOR DETAILS
27	R3-1 M4-9L	RIGHT TURN PROHIBITION DETOUR WITH LEFT ARROW	24" x 30" 30" x 30"	1-6" x 6"	1	
<b>TOTAL</b>					355	

**CONSTRUCTION AREA SIGNS**

**CS-19**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CHECKED BY: CARLOS SANDOVAL  
 TANZEEBA KISHWAR  
 REVISOR: TK  
 DATE: 1-11-16  
 DATE: 10-23-15

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

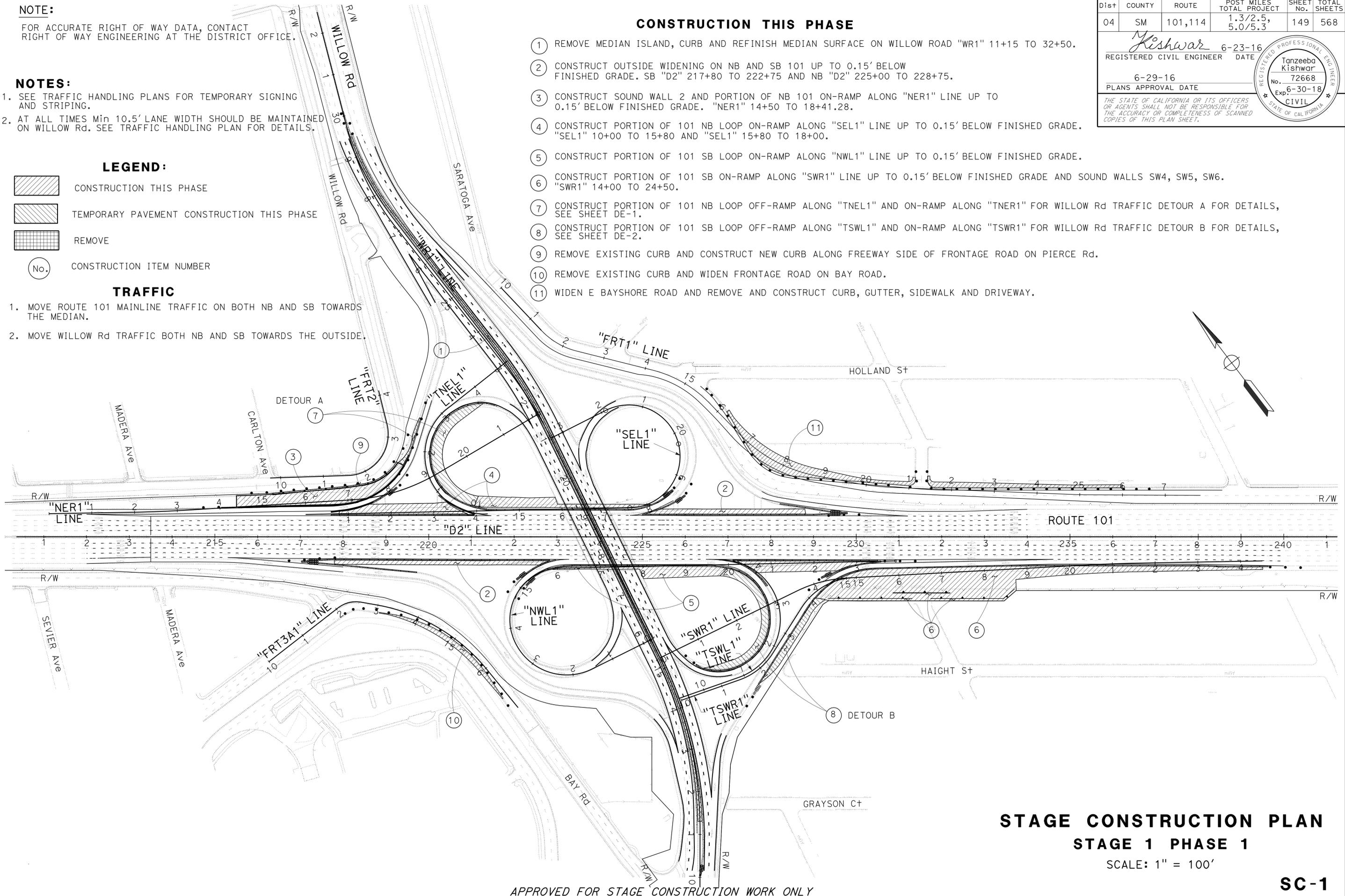
**NOTES:**  
 1. SEE TRAFFIC HANDLING PLANS FOR TEMPORARY SIGNING AND STRIPING.  
 2. AT ALL TIMES MIN 10.5' LANE WIDTH SHOULD BE MAINTAINED ON WILLOW Rd. SEE TRAFFIC HANDLING PLAN FOR DETAILS.

**LEGEND:**  
 CONSTRUCTION THIS PHASE  
 TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE  
 REMOVE  
 (No.) CONSTRUCTION ITEM NUMBER

**TRAFFIC**  
 1. MOVE ROUTE 101 MAINLINE TRAFFIC ON BOTH NB AND SB TOWARDS THE MEDIAN.  
 2. MOVE WILLOW Rd TRAFFIC BOTH NB AND SB TOWARDS THE OUTSIDE.

**CONSTRUCTION THIS PHASE**

- ① REMOVE MEDIAN ISLAND, CURB AND REFINISH MEDIAN SURFACE ON WILLOW ROAD "WR1" 11+15 TO 32+50.
- ② CONSTRUCT OUTSIDE WIDENING ON NB AND SB 101 UP TO 0.15' BELOW FINISHED GRADE. SB "D2" 217+80 TO 222+75 AND NB "D2" 225+00 TO 228+75.
- ③ CONSTRUCT SOUND WALL 2 AND PORTION OF NB 101 ON-RAMP ALONG "NER1" LINE UP TO 0.15' BELOW FINISHED GRADE. "NER1" 14+50 TO 18+41.28.
- ④ CONSTRUCT PORTION OF 101 NB LOOP ON-RAMP ALONG "SEL1" LINE UP TO 0.15' BELOW FINISHED GRADE. "SEL1" 10+00 TO 15+80 AND "SEL1" 15+80 TO 18+00.
- ⑤ CONSTRUCT PORTION OF 101 SB LOOP ON-RAMP ALONG "NWL1" LINE UP TO 0.15' BELOW FINISHED GRADE.
- ⑥ CONSTRUCT PORTION OF 101 SB ON-RAMP ALONG "SWR1" LINE UP TO 0.15' BELOW FINISHED GRADE AND SOUND WALLS SW4, SW5, SW6. "SWR1" 14+00 TO 24+50.
- ⑦ CONSTRUCT PORTION OF 101 NB LOOP OFF-RAMP ALONG "TNEL1" AND ON-RAMP ALONG "TNER1" FOR WILLOW Rd TRAFFIC DETOUR A FOR DETAILS, SEE SHEET DE-1.
- ⑧ CONSTRUCT PORTION OF 101 SB LOOP OFF-RAMP ALONG "TSWL1" AND ON-RAMP ALONG "TSWR1" FOR WILLOW Rd TRAFFIC DETOUR B FOR DETAILS, SEE SHEET DE-2.
- ⑨ REMOVE EXISTING CURB AND CONSTRUCT NEW CURB ALONG FREEWAY SIDE OF FRONTAGE ROAD ON PIERCE Rd.
- ⑩ REMOVE EXISTING CURB AND WIDEN FRONTAGE ROAD ON BAY ROAD.
- ⑪ WIDEN E BAYSHORE ROAD AND REMOVE AND CONSTRUCT CURB, GUTTER, SIDEWALK AND DRIVEWAY.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	149	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

*Tanzeeba Kishwar*  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

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**STAGE CONSTRUCTION PLAN**  
**STAGE 1 PHASE 1**  
 SCALE: 1" = 100'

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

LAST REVISION DATE PLOTTED => 16-AUG-2016 05-24-16 TIME PLOTTED => 14:21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISED BY: TK  
 DATE REVISED: 10-23-15

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

**CONSTRUCTION THIS PHASE**

1. REMOVE EXISTING SIDEWALK ON NB AND SB OF WILLOW ROAD OVERCROSSING, SEE STRUCTURE PLANS.
2. REMOVE MEDIAN BARRIER ON ROUTE 101 "D2" 213+00 TO 232+75 EXCEPT THE CONNECTION AT BRIDGE COLUMNS AND SIGN PEDESTAL.

**TRAFFIC**

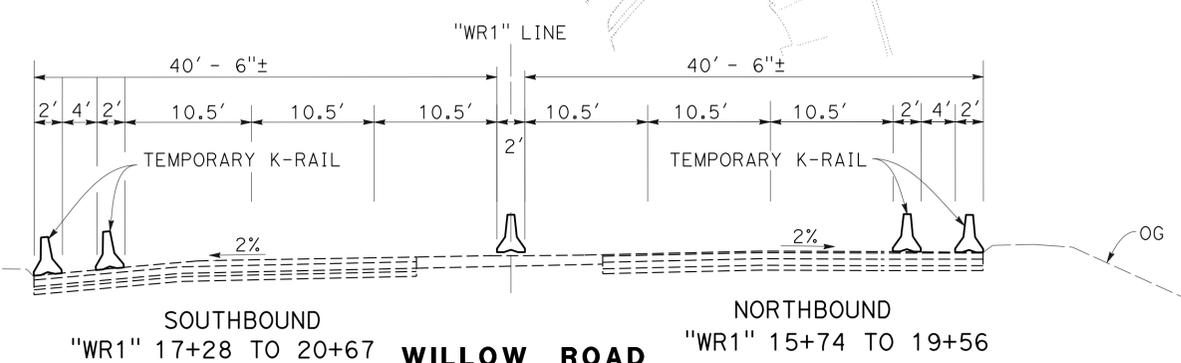
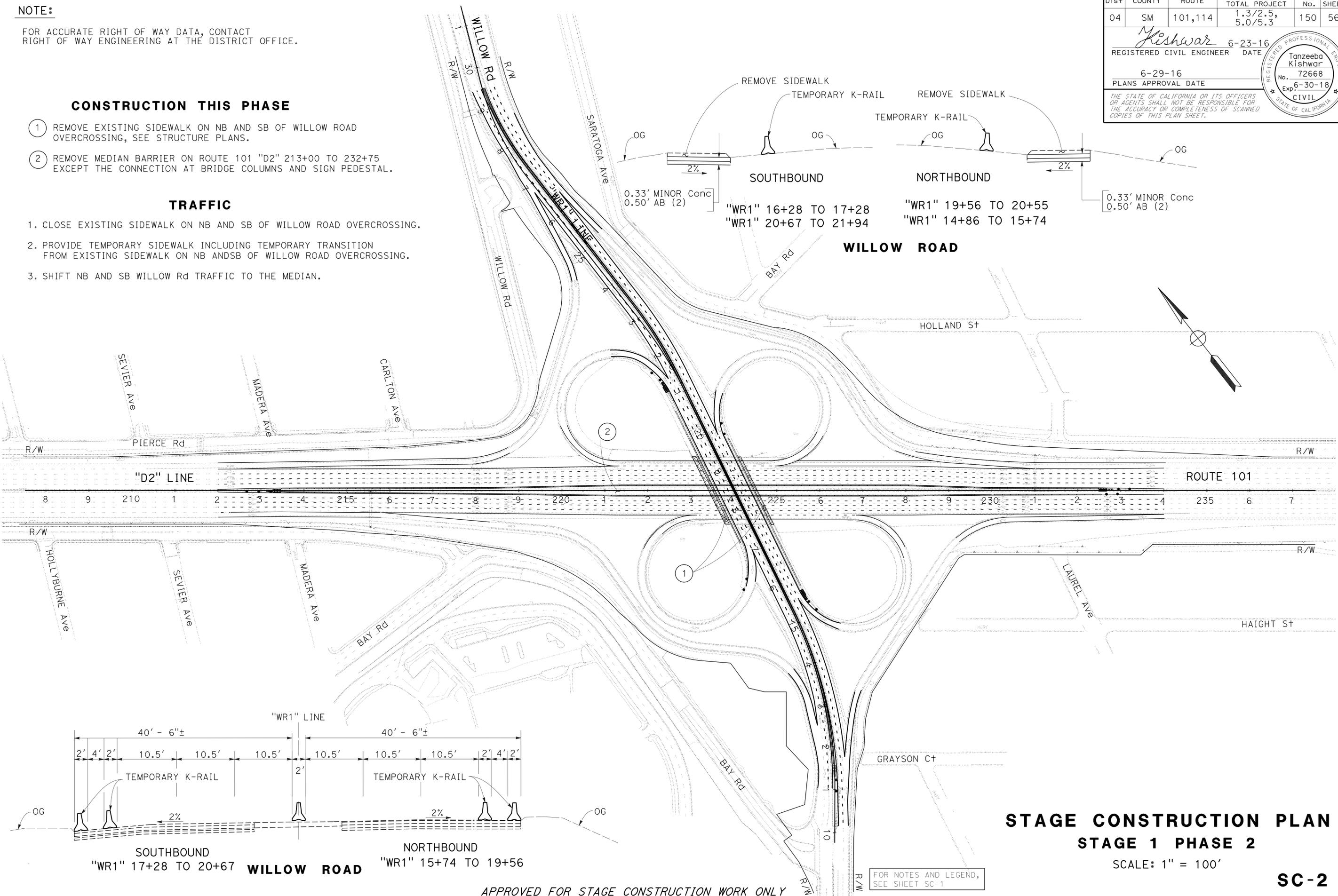
1. CLOSE EXISTING SIDEWALK ON NB AND SB OF WILLOW ROAD OVERCROSSING.
2. PROVIDE TEMPORARY SIDEWALK INCLUDING TEMPORARY TRANSITION FROM EXISTING SIDEWALK ON NB AND SB OF WILLOW ROAD OVERCROSSING.
3. SHIFT NB AND SB WILLOW Rd TRAFFIC TO THE MEDIAN.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	150	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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**STAGE CONSTRUCTION PLAN**  
**STAGE 1 PHASE 2**  
 SCALE: 1" = 100'  
**SC-2**

FOR NOTES AND LEGEND, SEE SHEET SC-1

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISED BY: TK  
 DATE REVISED: 10-23-15  
 TK  
 1-11-16

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

**CONSTRUCTION THIS PHASE**

- ① CONSTRUCT THE REMAINING PORTION OF THE TEMPORARY LOOP OFF-RAMP (DETOUR A). FOR DETAILS, SEE SHEET DE-3.
- ② CONSTRUCT THE REMAINING PORTION OF THE TEMPORARY LOOP OFF-RAMP (DETOUR B). FOR DETAILS, SEE SHEET DE-3.
- ③ CONSTRUCT SOUTHBOUND WILLOW Rd PAVEMENT "WR1" 21+50 TO 26+57. MATCH EXISTING PAVEMENT.
- ④ CONSTRUCT NORTHBOUND WILLOW ROAD PAVEMENT "WR1" 12+35 TO 15+10. MATCH EXISTING PAVEMENT.
- ⑤ CONSTRUCT SOUTHBOUND PORTION OF WILLOW ROAD PAVEMENT "WR1" 16+21 TO 17+64, 20+16 TO 21+58 & 24+62 TO 32+16 UP TO 0.15' BELOW FINISHED GRADE.
- ⑥ CONSTRUCT NORTHBOUND PORTION OF WILLOW ROAD PAVEMENT "WR1" 11+35 TO 12+90, 15+30 TO 17+05 AND 19+80 TO 20+66 UP TO 0.15' BELOW FINISHED GRADE.
- ⑦ CONSTRUCT OUTER PORTION OF NB AND SB WILLOW ROAD OC ON BOTH SIDE, SEE STRUCTURE PLAN.

**TRAFFIC**

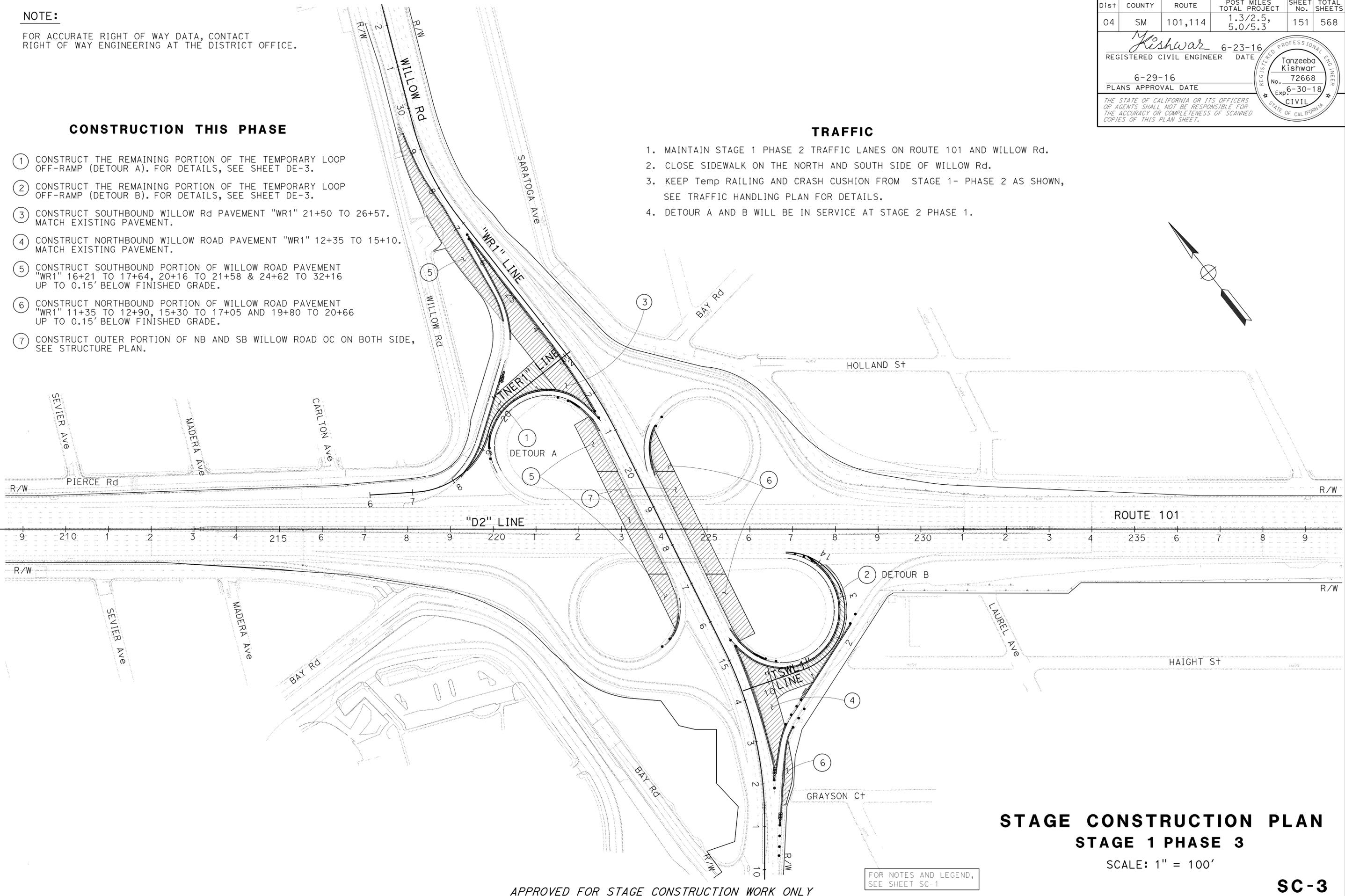
1. MAINTAIN STAGE 1 PHASE 2 TRAFFIC LANES ON ROUTE 101 AND WILLOW Rd.
2. CLOSE SIDEWALK ON THE NORTH AND SOUTH SIDE OF WILLOW Rd.
3. KEEP Temp RAILING AND CRASH CUSHION FROM STAGE 1- PHASE 2 AS SHOWN, SEE TRAFFIC HANDLING PLAN FOR DETAILS.
4. DETOUR A AND B WILL BE IN SERVICE AT STAGE 2 PHASE 1.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	151	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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**STAGE CONSTRUCTION PLAN  
 STAGE 1 PHASE 3**

SCALE: 1" = 100'

**SC-3**

FOR NOTES AND LEGEND,  
 SEE SHEET SC-1

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

LAST REVISION DATE PLOTTED => 16-AUG-2016 01-11-16 TIME PLOTTED => 14:21



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN	FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR	DATE	TK
<b>Caltrans</b>		TEBLEZ NEMARTAM	CARLOS SANDOVAL	TANZEEBA KISHWAR	10-23-15	1-11-16

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	153	568

*Kishwar* 6-23-16  
REGISTERED CIVIL ENGINEER DATE

6-29-16  
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
Tanzeeba Kishwar  
No. 72668  
Exp. 6-30-18  
CIVIL  
STATE OF CALIFORNIA

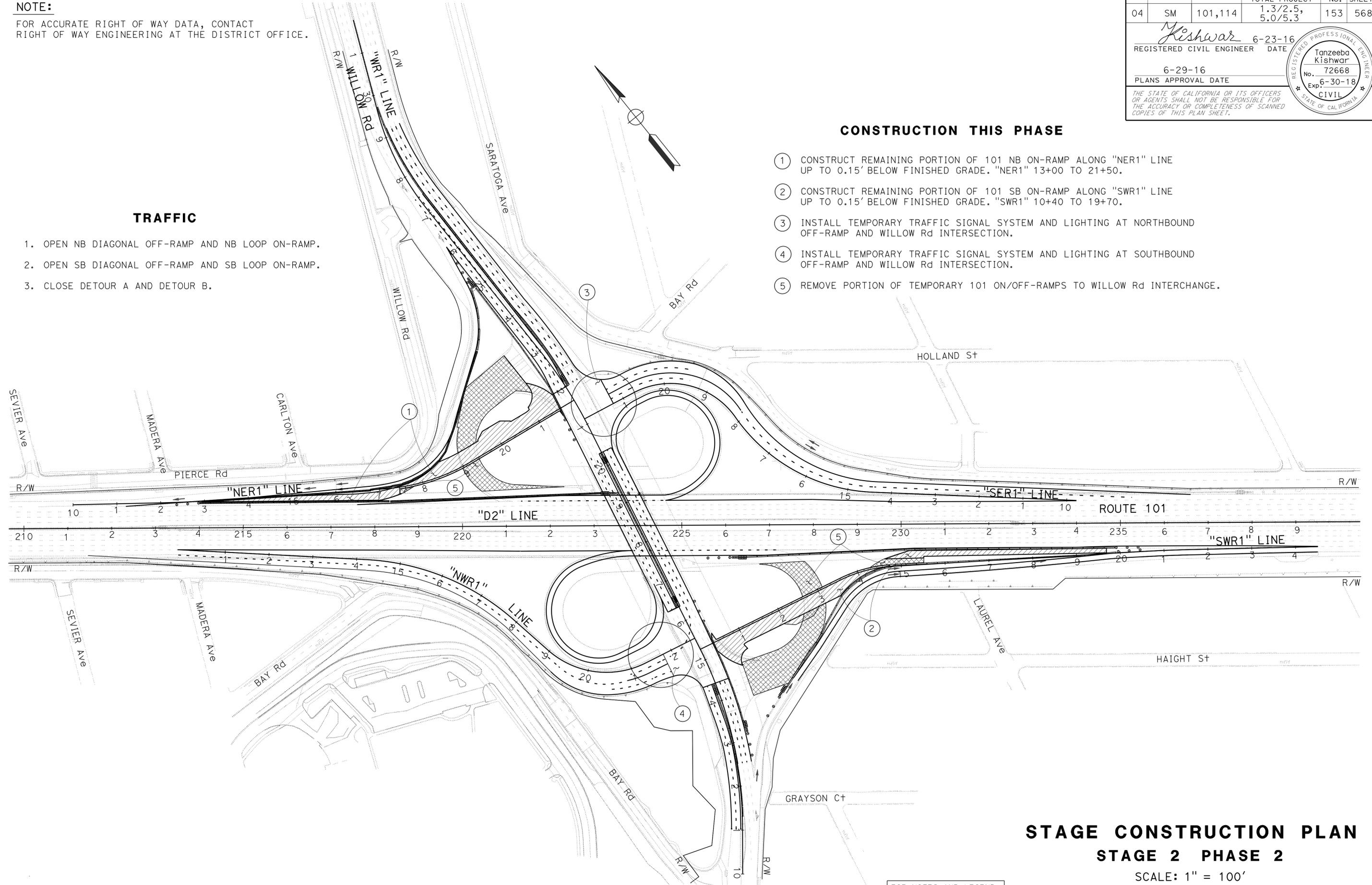
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**TRAFFIC**

1. OPEN NB DIAGONAL OFF-RAMP AND NB LOOP ON-RAMP.
2. OPEN SB DIAGONAL OFF-RAMP AND SB LOOP ON-RAMP.
3. CLOSE DETOUR A AND DETOUR B.

**CONSTRUCTION THIS PHASE**

1. CONSTRUCT REMAINING PORTION OF 101 NB ON-RAMP ALONG "NER1" LINE UP TO 0.15' BELOW FINISHED GRADE. "NER1" 13+00 TO 21+50.
2. CONSTRUCT REMAINING PORTION OF 101 SB ON-RAMP ALONG "SWR1" LINE UP TO 0.15' BELOW FINISHED GRADE. "SWR1" 10+40 TO 19+70.
3. INSTALL TEMPORARY TRAFFIC SIGNAL SYSTEM AND LIGHTING AT NORTHBOUND OFF-RAMP AND WILLOW Rd INTERSECTION.
4. INSTALL TEMPORARY TRAFFIC SIGNAL SYSTEM AND LIGHTING AT SOUTHBOUND OFF-RAMP AND WILLOW Rd INTERSECTION.
5. REMOVE PORTION OF TEMPORARY 101 ON/OFF-RAMPS TO WILLOW Rd INTERCHANGE.



**STAGE CONSTRUCTION PLAN  
STAGE 2 PHASE 2**

SCALE: 1" = 100'

**SC-5**

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

FOR NOTES AND LEGEND,  
SEE SHEET SC-1

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISIONS:  
 TK 1-11-16  
 TK 10-23-15

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

**CONSTRUCTION THIS PHASE**

- ① CONSTRUCT NB OFF-RAMP PAVEMENT UP TO 0.15' BELOW FINISHED GRADE AT THE INTERSECTIONS FROM "SER1" 19+20 TO 21+56 AND "SEL1" 20+48 TO 23+12.
- ② CONSTRUCT SB OFF-RAMP PAVEMENT UP TO 0.15' BELOW FINISHED GRADE AT THE INTERSECTION FROM "NWR1" 18+20 TO 22+21 AND "NWL1" 10+25 TO 13+95.
- ③ CONSTRUCT PORTION OF PAVEMENT NORTH SIDE OF WILLOW Rd OC FROM "WR1" 19+36 TO 26+58 UP TO 0.15' BELOW FINISHED GRADE.
- ④ CONSTRUCT PORTION OF PAVEMENT SOUTH SIDE OF WILLOW Rd OC FROM "WR1" 11+48 TO 17+24 UP TO 0.15' BELOW FINISHED GRADE.
- ⑤ OBLITERATE SURFACE OF EXISTING DIAGONAL ON-RAMPS.
- ⑥ CONSTRUCT CHP ENFORCEMENT AREA.
- ⑦ INSTALL VIDEO DETECTION, SEE ELECTRICAL PLAN.

**TRAFFIC**

1. CONSTRUCTION AT THIS PHASE REQUIRES FULL WILLOW Rd AND RAMP CLOSURE DURING WEEKEND. NO LIVE TRAFFIC ALLOWED INSIDE THE CLOSURE AT THIS STAGE.
2. STRIPE NEWLY CONSTRUCTED WILLOW Rd PAVEMENT (OUTER SIDE) AND NB/SB 101 ON-RAMP AS SHOWN.
3. ALL LANES ON WILLOW Rd ARE 11' UNLESS OTHERWISE NOTED. SEE TRAFFIC HANDLING PLANS FOR TEMPORARY SIGNING AND STRIPING.

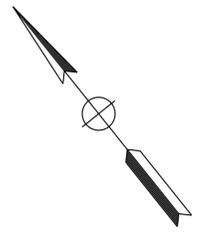
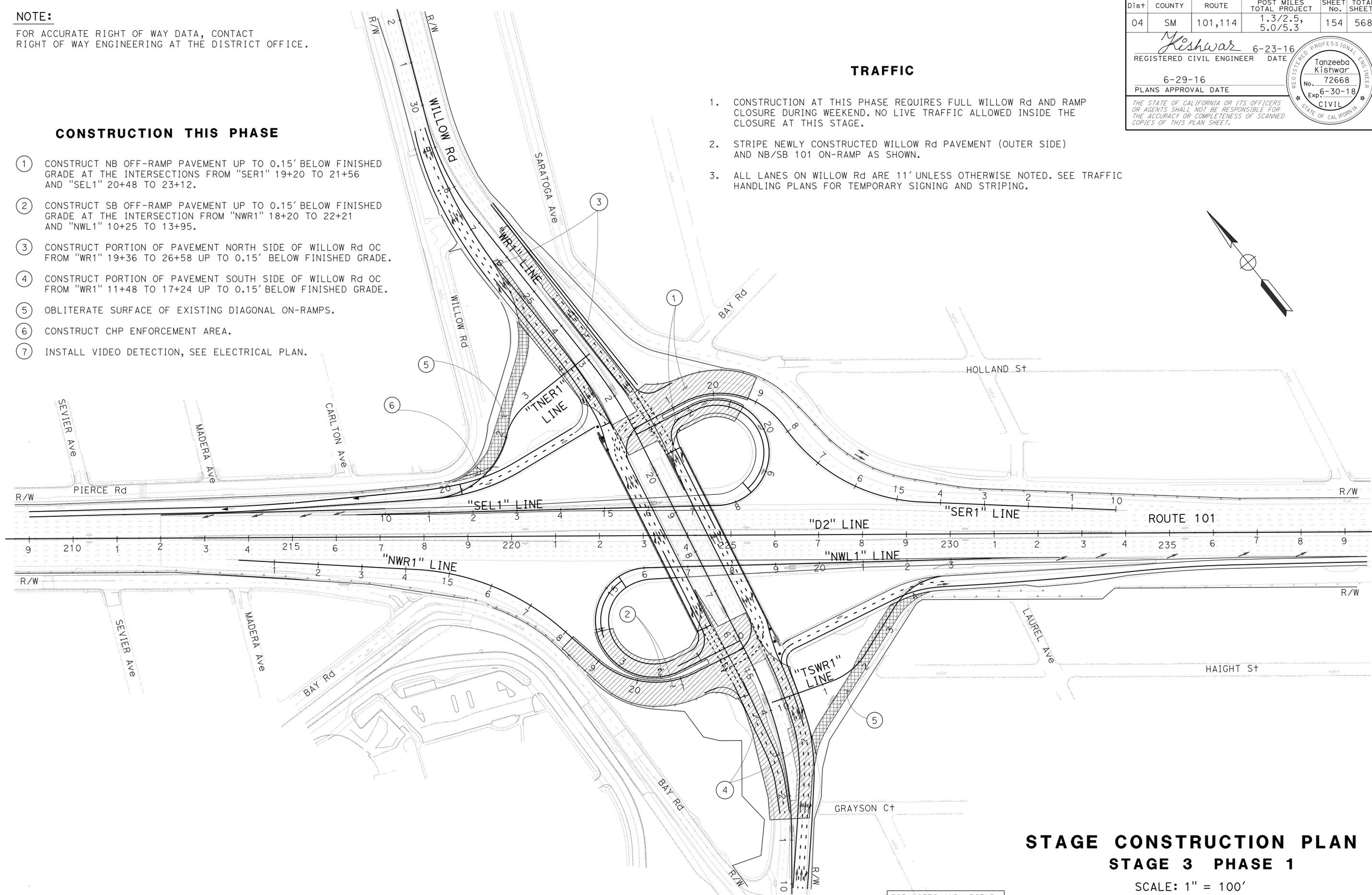
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	154	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA



**STAGE CONSTRUCTION PLAN  
 STAGE 3 PHASE 1**

SCALE: 1" = 100'

**SC-6**

FOR NOTES AND LEGEND,  
 SEE SHEET SC-1

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

LAST REVISION DATE PLOTTED => 16-AUG-2016 01-11-16 TIME PLOTTED => 14:22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISIONS:  
 TK 1-11-16  
 TK 10-23-15

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

**TRAFFIC**

1. UTILIZE STRIPING PATTERN THAT WAS PAINTED IN STAGE 3 PHASE 1 TO SHIFT NB WILLOW Rd TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT.
2. UTILIZE STRIPING PATTERN THAT WAS PAINTED IN STAGE 3 PHASE 1 TO SHIFT SB WILLOW Rd TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT.
3. UTILIZE STRIPING PATTERN THAT WAS PAINTED IN STAGE 3 PHASE 1 TO SHIFT TRAFFIC TO NEWLY CONSTRUCTED NB/SB 101 ON-RAMP.
4. CHANELLIZERS USED DURING CONSTRUCTION OF MEDIAN ISLAND ALONG "WR1" SHOULD BE PLACED MAXIMUM 25' C/C.

**CONSTRUCTION THIS PHASE**

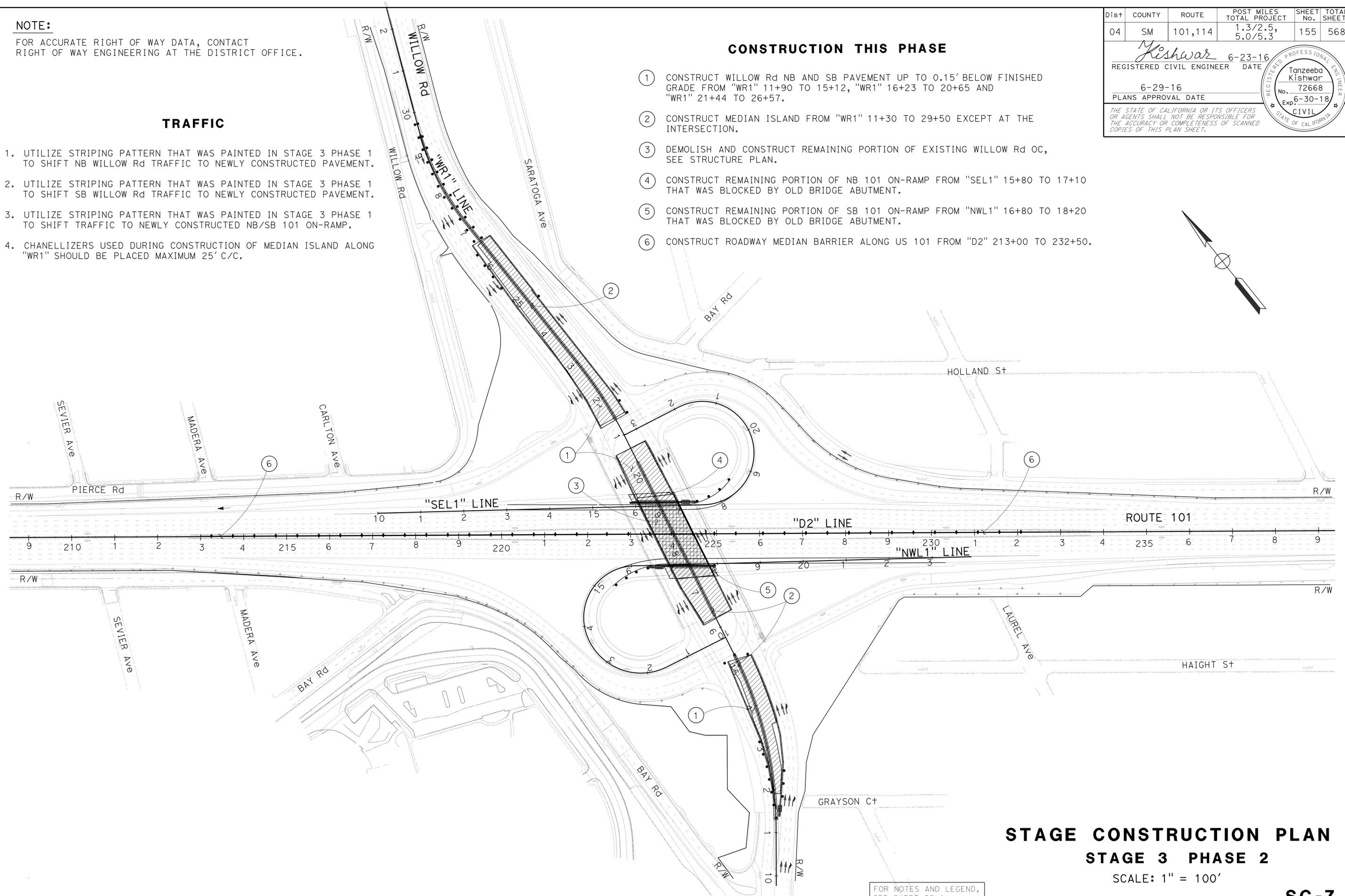
1. CONSTRUCT WILLOW Rd NB AND SB PAVEMENT UP TO 0.15' BELOW FINISHED GRADE FROM "WR1" 11+90 TO 15+12, "WR1" 16+23 TO 20+65 AND "WR1" 21+44 TO 26+57.
2. CONSTRUCT MEDIAN ISLAND FROM "WR1" 11+30 TO 29+50 EXCEPT AT THE INTERSECTION.
3. DEMOLISH AND CONSTRUCT REMAINING PORTION OF EXISTING WILLOW Rd OC, SEE STRUCTURE PLAN.
4. CONSTRUCT REMAINING PORTION OF NB 101 ON-RAMP FROM "SEL1" 15+80 TO 17+10 THAT WAS BLOCKED BY OLD BRIDGE ABUTMENT.
5. CONSTRUCT REMAINING PORTION OF SB 101 ON-RAMP FROM "NWL1" 16+80 TO 18+20 THAT WAS BLOCKED BY OLD BRIDGE ABUTMENT.
6. CONSTRUCT ROADWAY MEDIAN BARRIER ALONG US 101 FROM "D2" 213+00 TO 232+50.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	155	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 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 CONSTRUCTION PLAN  
 STAGE 3 PHASE 2**

SCALE: 1" = 100'

**SC-7**

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

FOR NOTES AND LEGEND,  
 SEE SHEET SC-1

LAST REVISION DATE PLOTTED => 16-AUG-2016 01-11-16 TIME PLOTTED => 14:22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISED BY: TK  
 DATE REVISED: 10-23-15

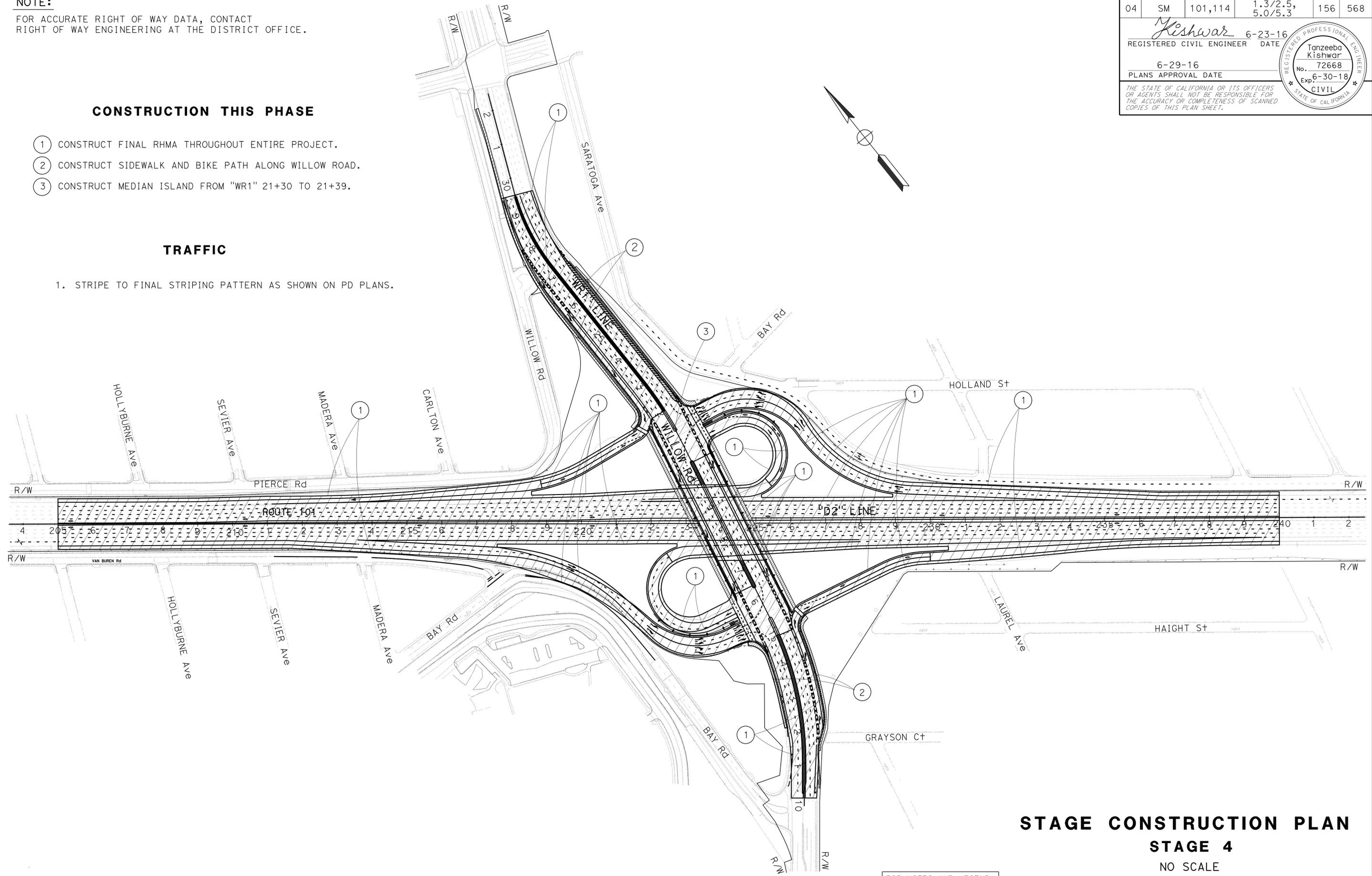
**NOTE:**  
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

**CONSTRUCTION THIS PHASE**

- ① CONSTRUCT FINAL RHMA THROUGHOUT ENTIRE PROJECT.
- ② CONSTRUCT SIDEWALK AND BIKE PATH ALONG WILLOW ROAD.
- ③ CONSTRUCT MEDIAN ISLAND FROM "WR1" 21+30 TO 21+39.

**TRAFFIC**

- 1. STRIPE TO FINAL STRIPING PATTERN AS SHOWN ON PD PLANS.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	156	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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**STAGE CONSTRUCTION PLAN**  
**STAGE 4**  
 NO SCALE

FOR NOTES AND LEGEND,  
 SEE SHEET SC-1

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

**SC-8**

LAST REVISION DATE PLOTTED => 16-AUG-2016  
 10-23-15 TIME PLOTTED => 14:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	157	568

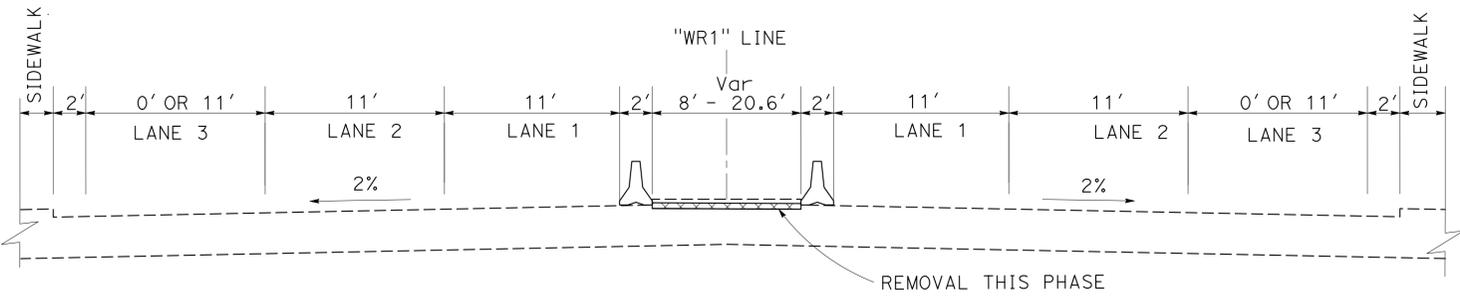
<i>Kishwar</i> 6-23-16	
REGISTERED CIVIL ENGINEER	DATE
6-29-16	
PLANS APPROVAL DATE	

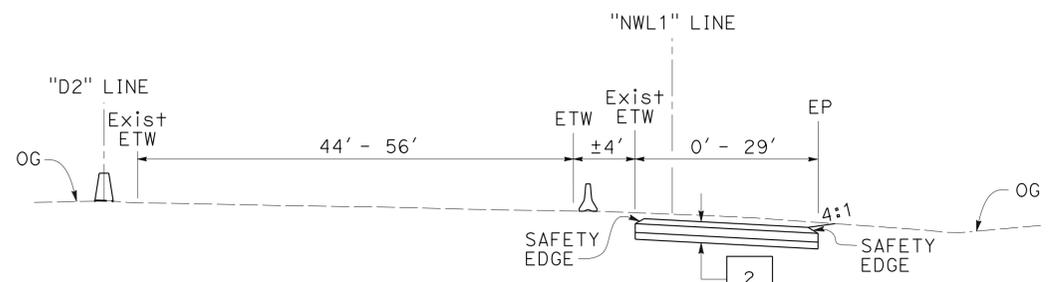
REGISTERED PROFESSIONAL ENGINEER	Tanzeeba Kishwar
No.	72668
Exp.	6-30-18
CIVIL	

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.

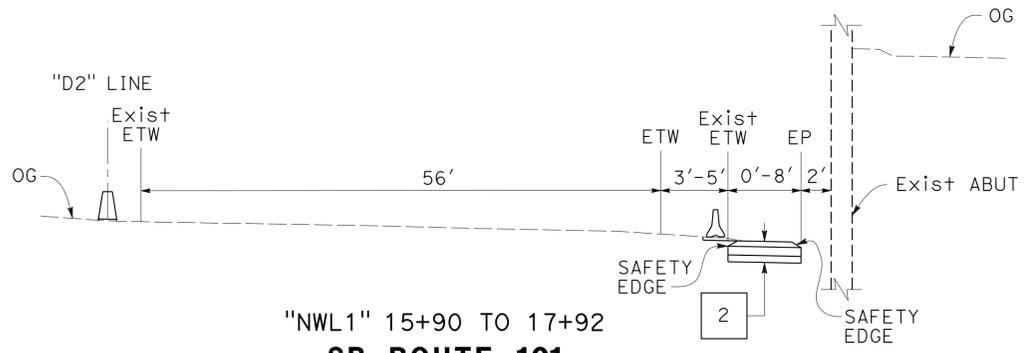
**NOTE:**  
FOR PAVEMENT STRUCTURAL SECTIONS, SEE SHEET X-1.



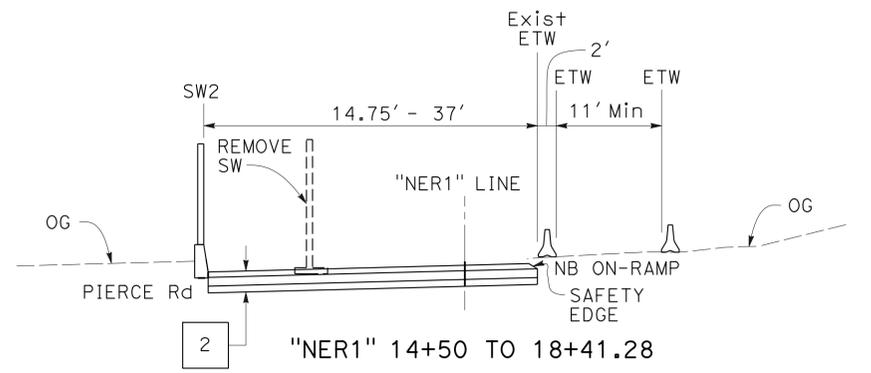
**"WR1" 11+15 TO 32+50  
WILLOW ROAD**



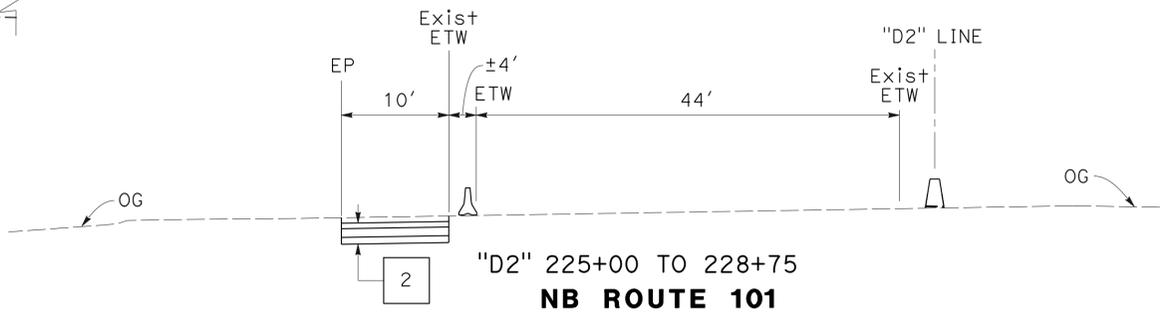
**"NWL1" 17+92 TO 23+50  
SB ROUTE 101**



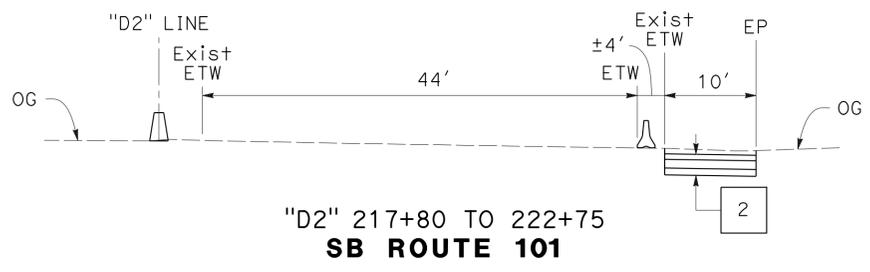
**"NWL1" 15+90 TO 17+92  
SB ROUTE 101**



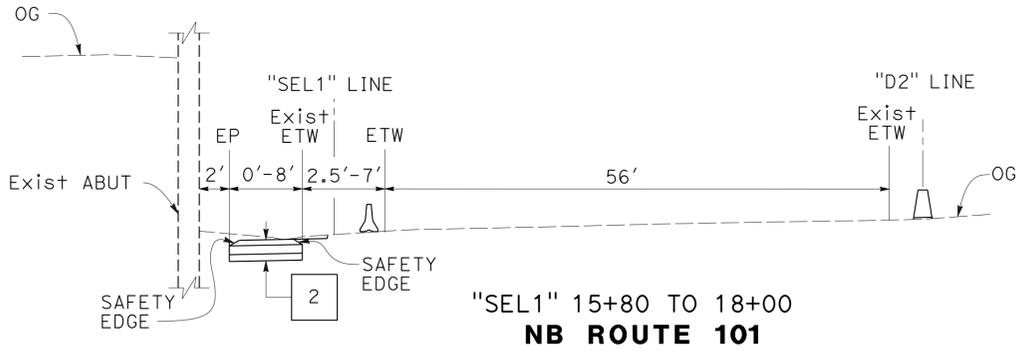
**"NER1" 14+50 TO 18+41.28  
NB ROUTE 101**



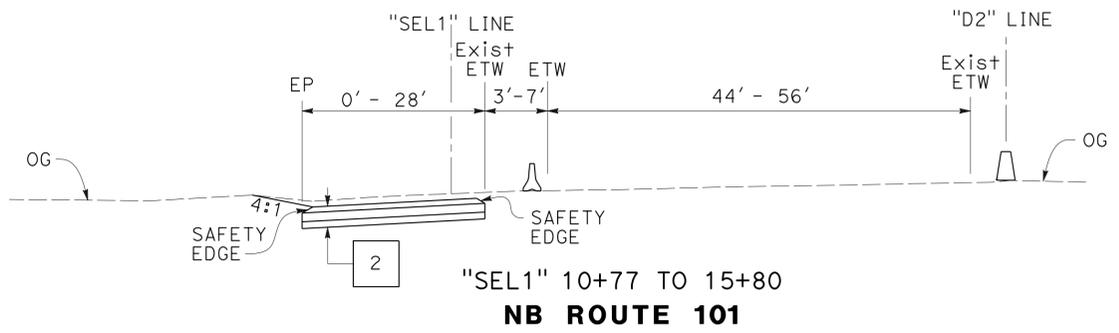
**"D2" 225+00 TO 228+75  
NB ROUTE 101**



**"D2" 217+80 TO 222+75  
SB ROUTE 101**



**"SEL1" 15+80 TO 18+00  
NB ROUTE 101**



**"SEL1" 10+77 TO 15+80  
NB ROUTE 101**

**STAGE CONSTRUCTION DETAILS  
STAGE 1 PHASE 1**

NO SCALE

**SCD-1**

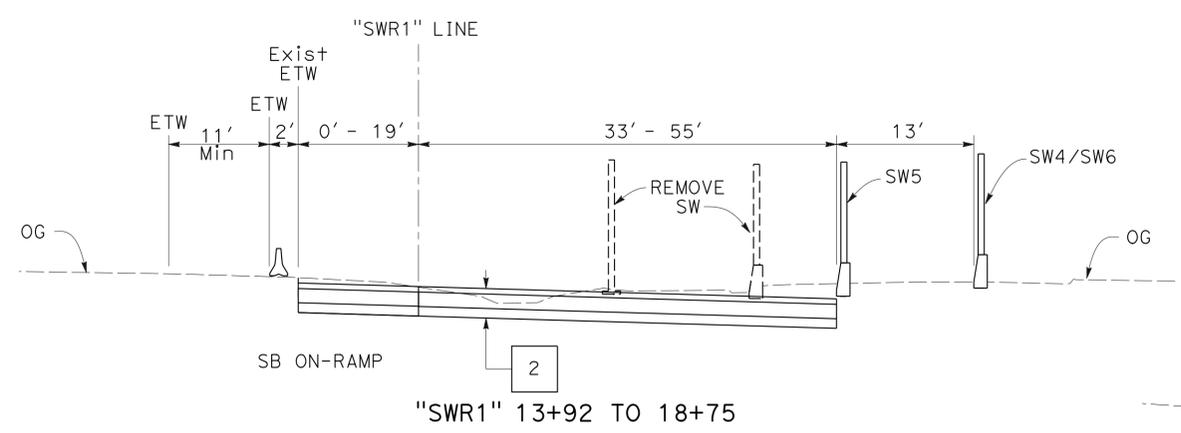
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
DESIGN  
FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
CALCULATED/DESIGNED BY: CARLOS SANDOVAL  
CHECKED BY:  
REVISOR: TANZEEBA KISHWAR  
REVISION DATE: 10-1-15  
TK

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	158	568

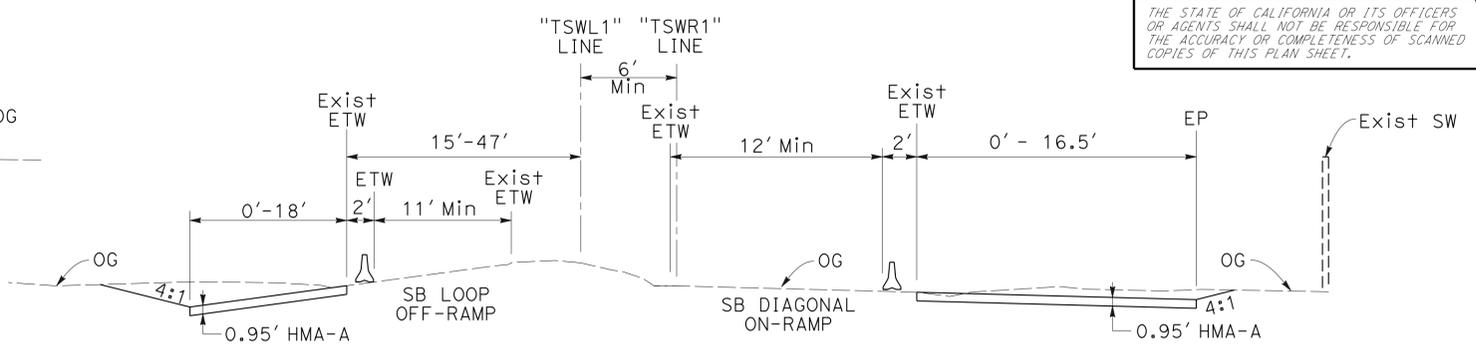
Kishwar 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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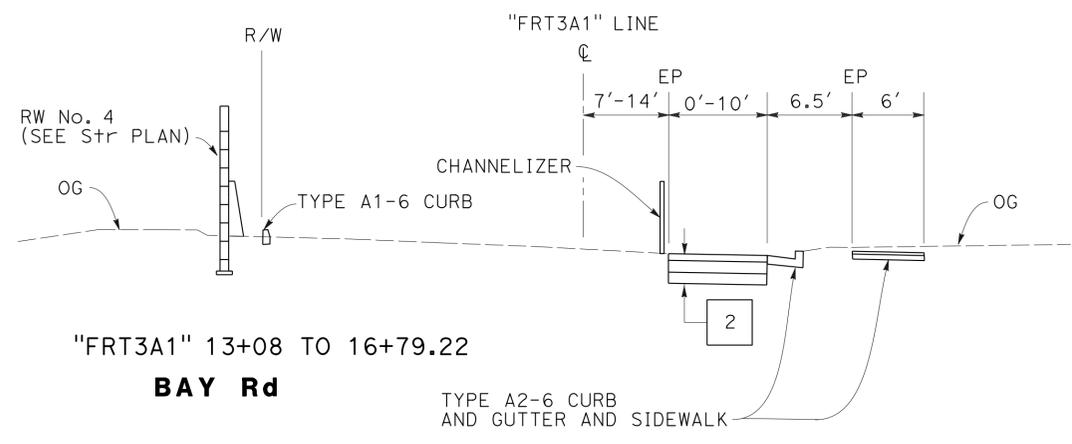
"SWR1" 13+92 TO 18+75



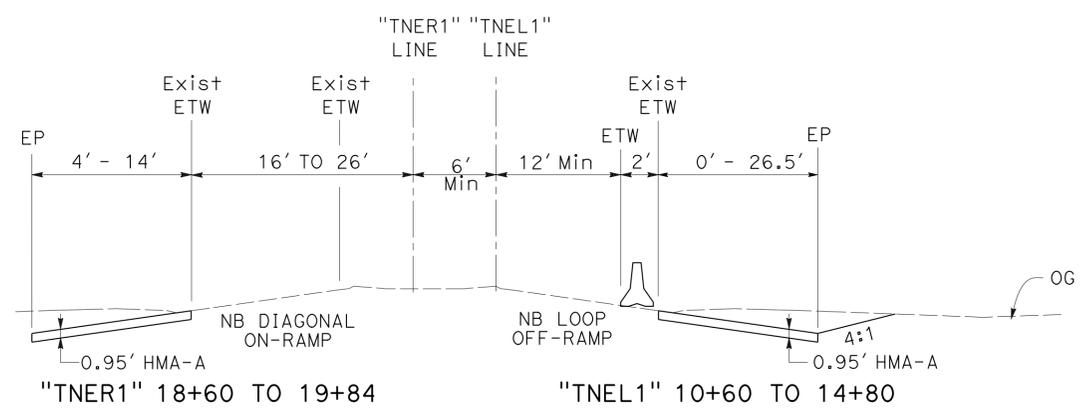
"TSL1" 10+16 TO 14+80

DETOUR B

"TSR1" 11+80 TO 14+38



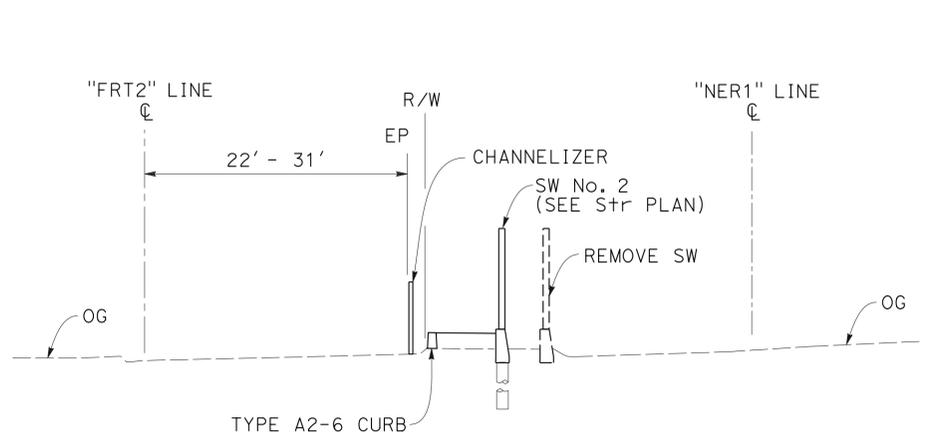
"FRT3A1" 13+08 TO 16+79.22  
BAY Rd



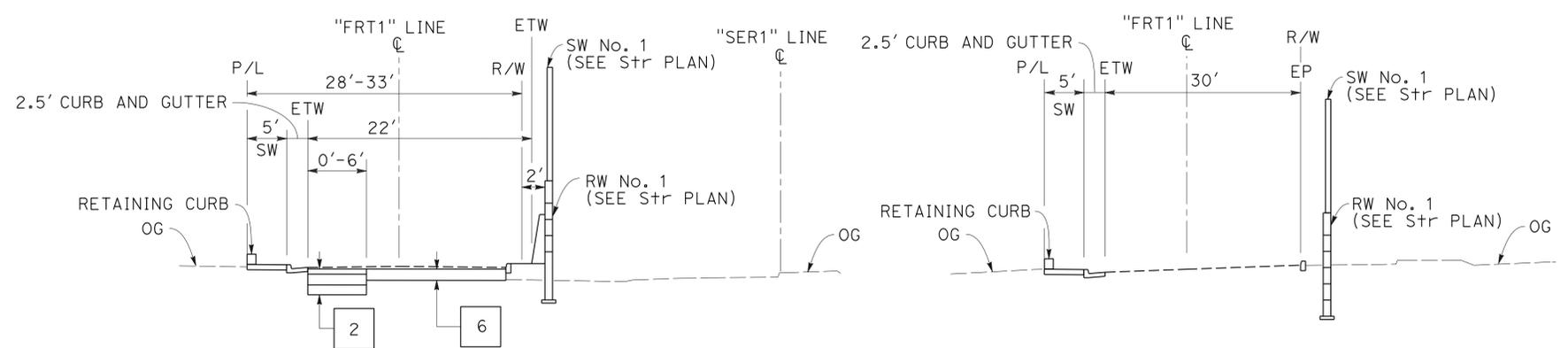
"TNER1" 18+60 TO 19+84

DETOUR A

"TNEL1" 10+60 TO 14+80



"FRT2" 10+13 TO 12+60.59  
PIERCE Rd



"FRT1" 21+60 TO 24+60

E BAYSHORE Rd

"FRT1" 24+60 TO 26+00

STAGE CONSTRUCTION DETAILS  
STAGE 1 PHASE 1

NO SCALE

SCD-2

FOR NOTE, SEE SHEET SCD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
DESIGN  
Caltrans

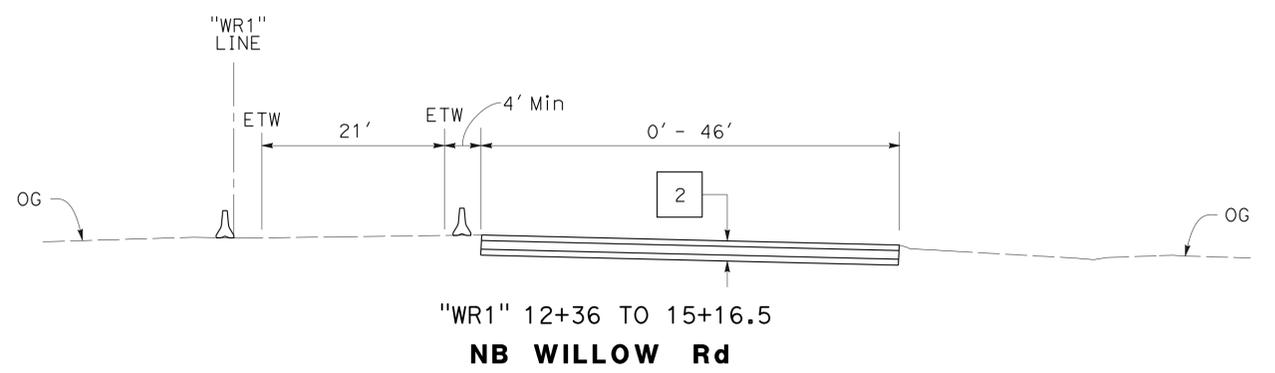
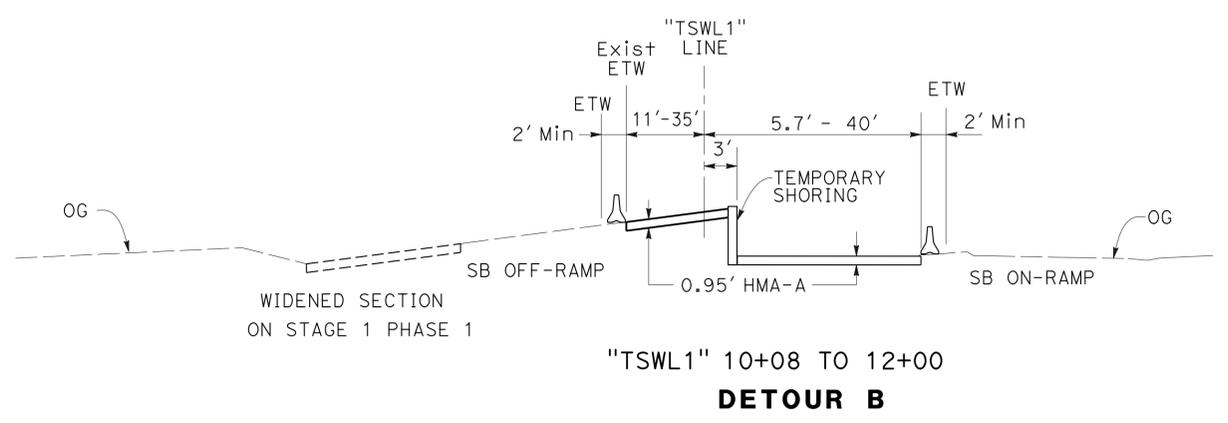
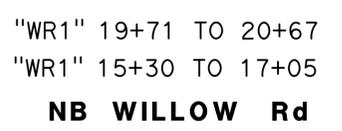
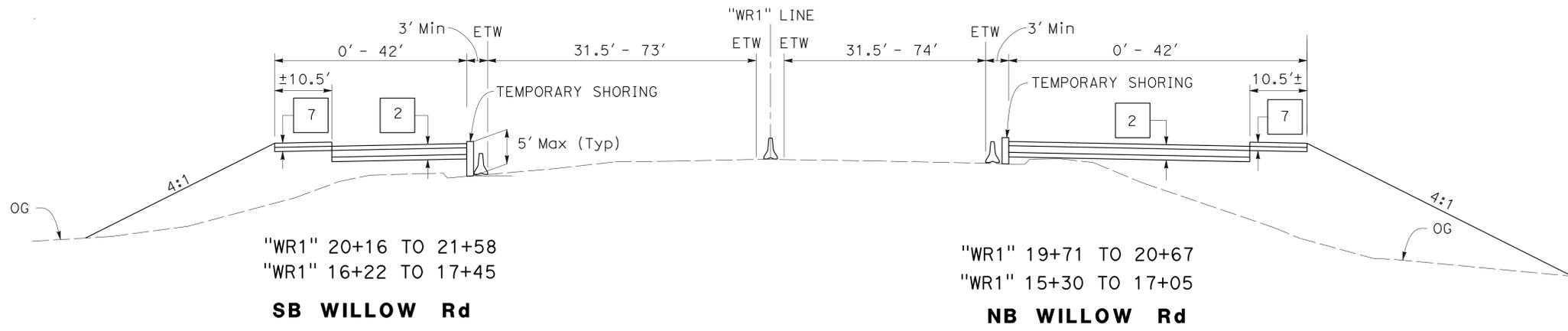
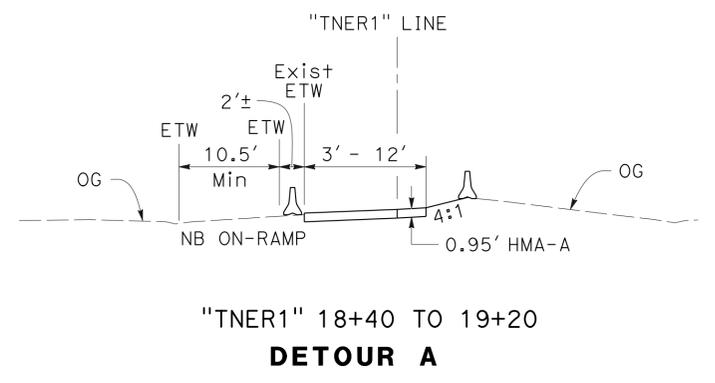
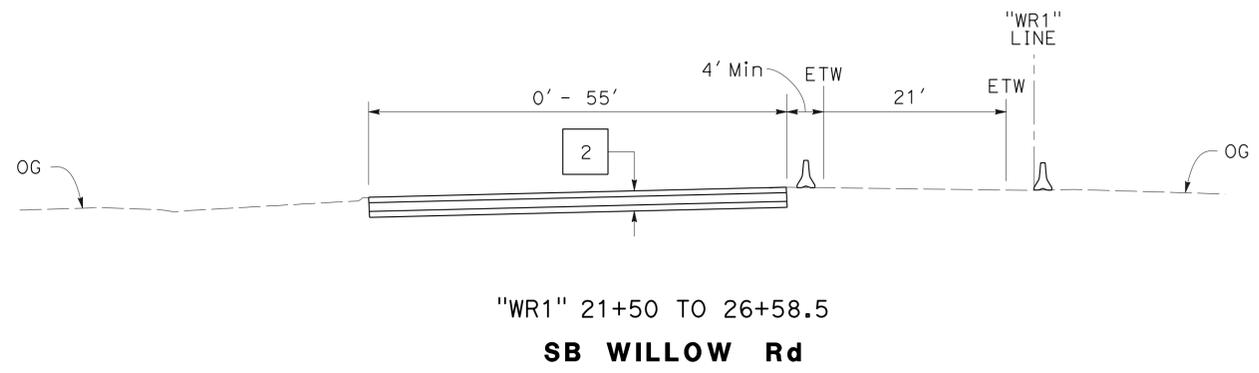
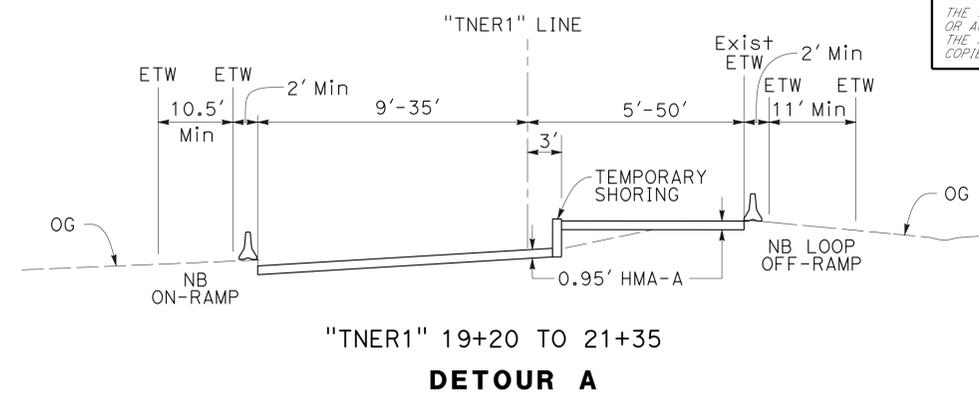
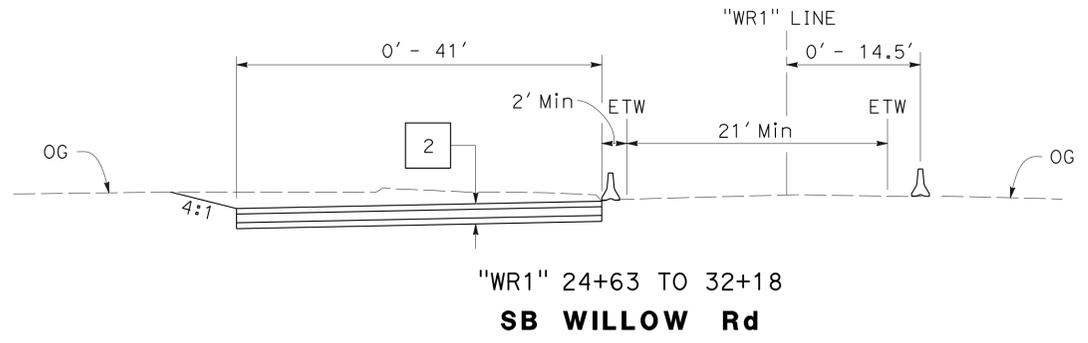
FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
CALCULATED/DESIGNED BY: CARLOS SANDOVAL  
CHECKED BY: TANZEEBA KISHWAR  
REVISOR: CARLOS SANDOVAL  
REVISIONS: TK 1-20-16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	159	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 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.



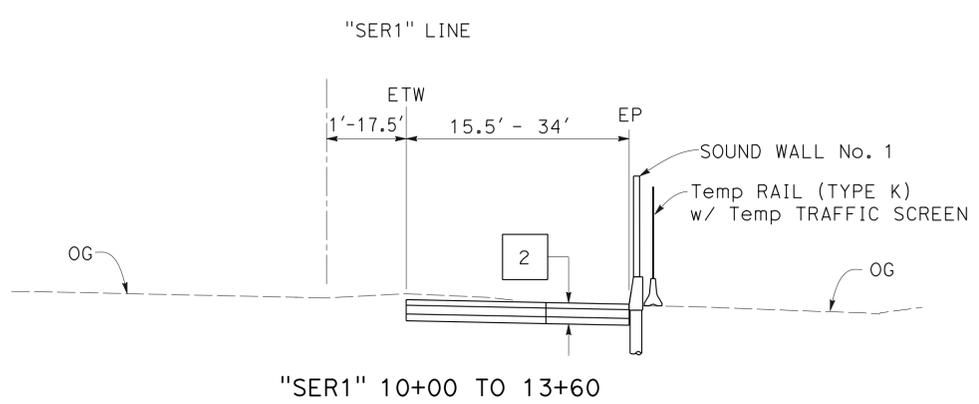
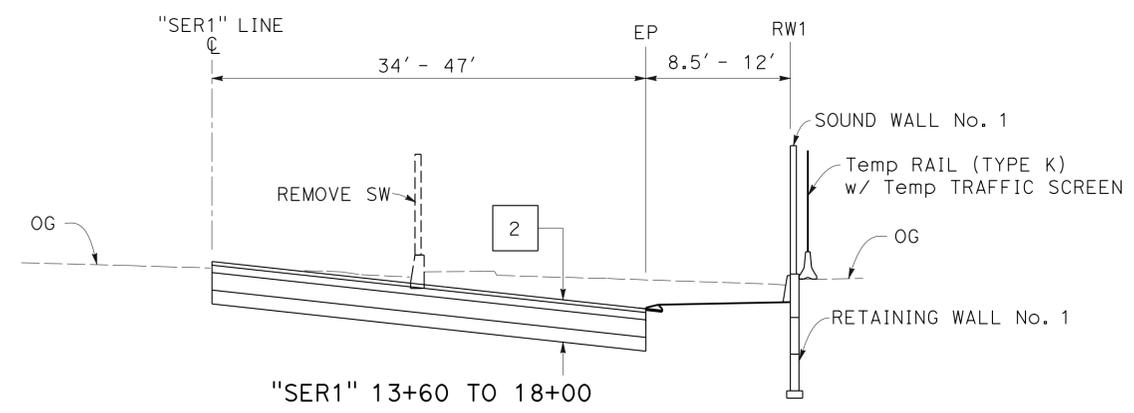
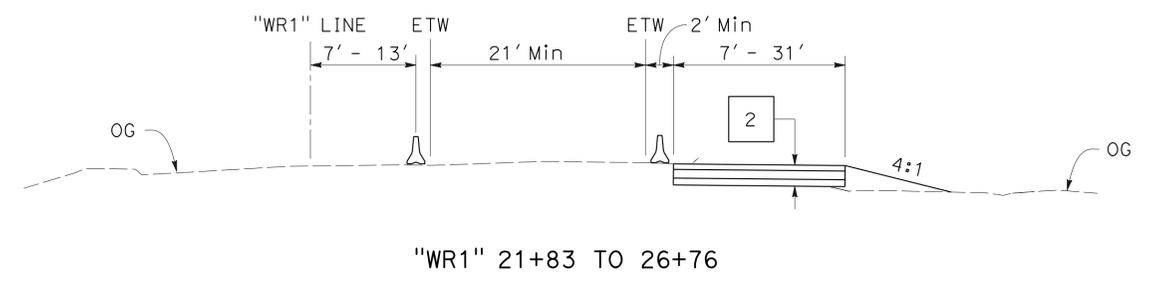
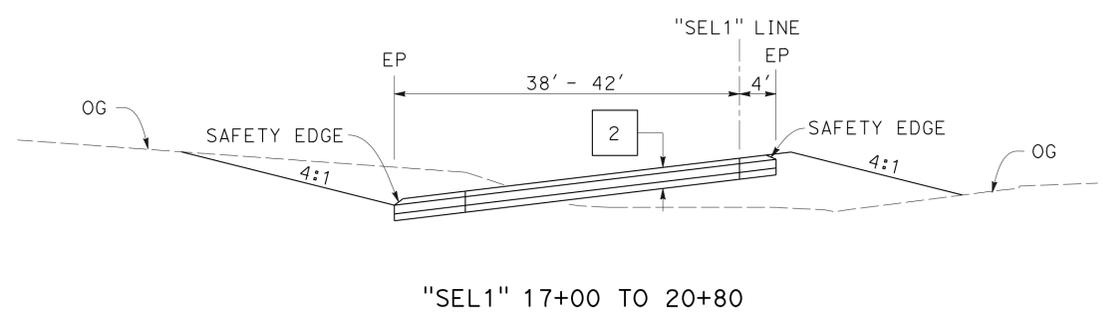
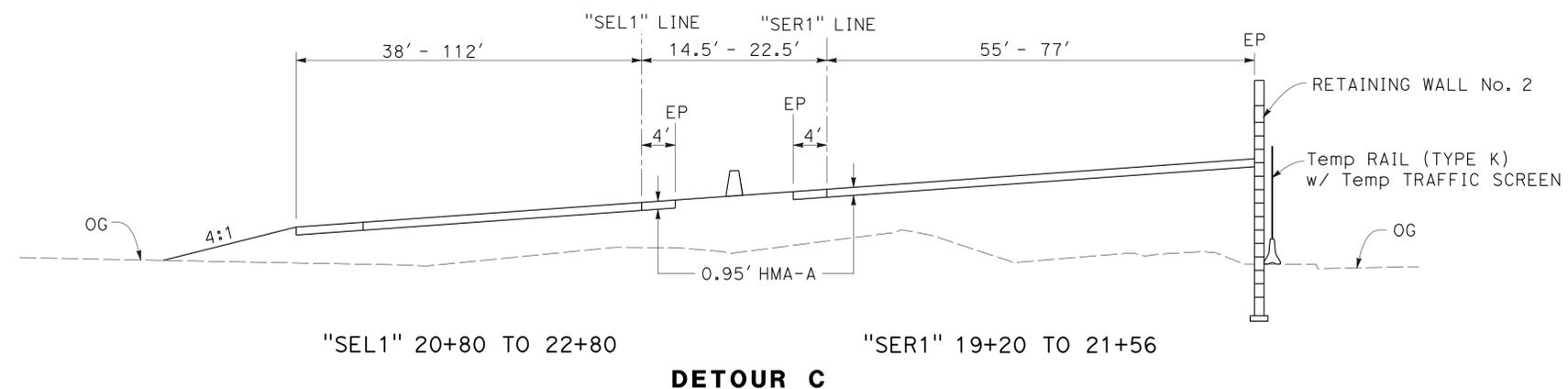
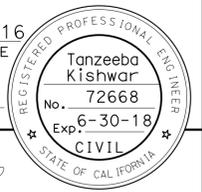
**STAGE CONSTRUCTION DETAILS**  
**STAGE 1 PHASE 3**  
 NO SCALE

**SCD-3**

FOR NOTE, SEE SHEET SCD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-1-15
TK	1-20-16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	160	568
<i>Kishwar</i> REGISTERED CIVIL ENGINEER			6-23-16	DATE	
6-29-16 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



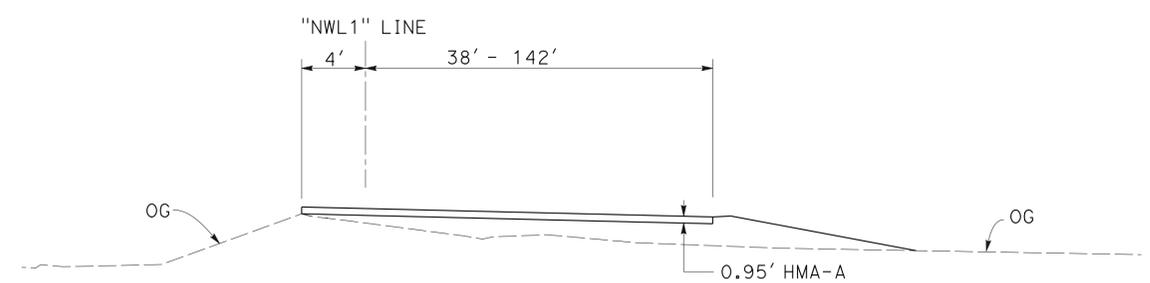
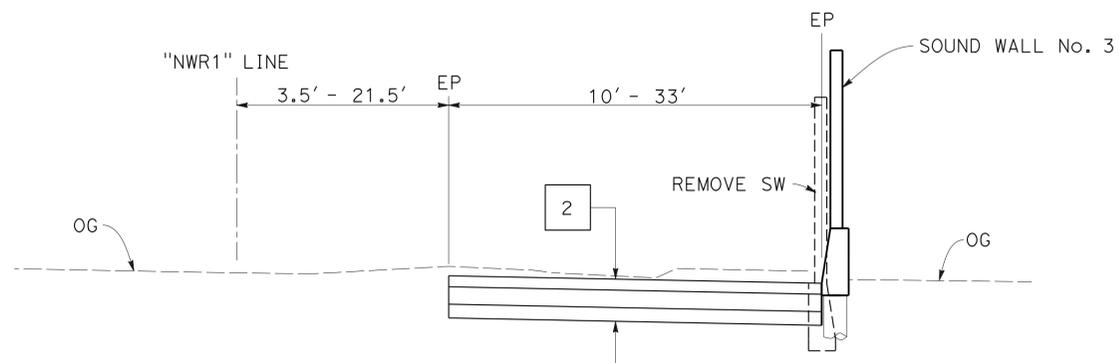
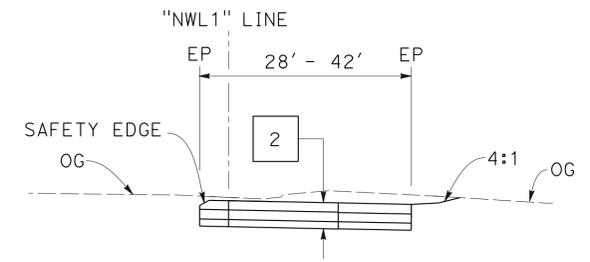
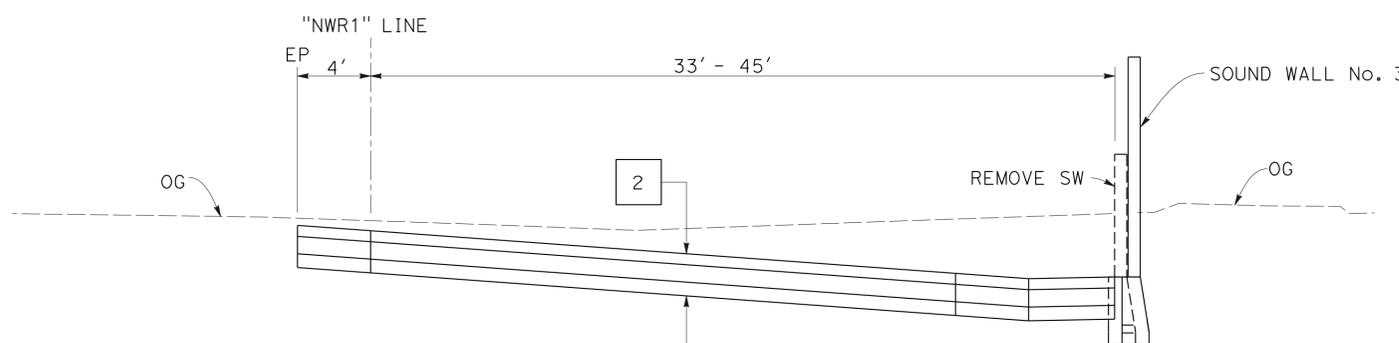
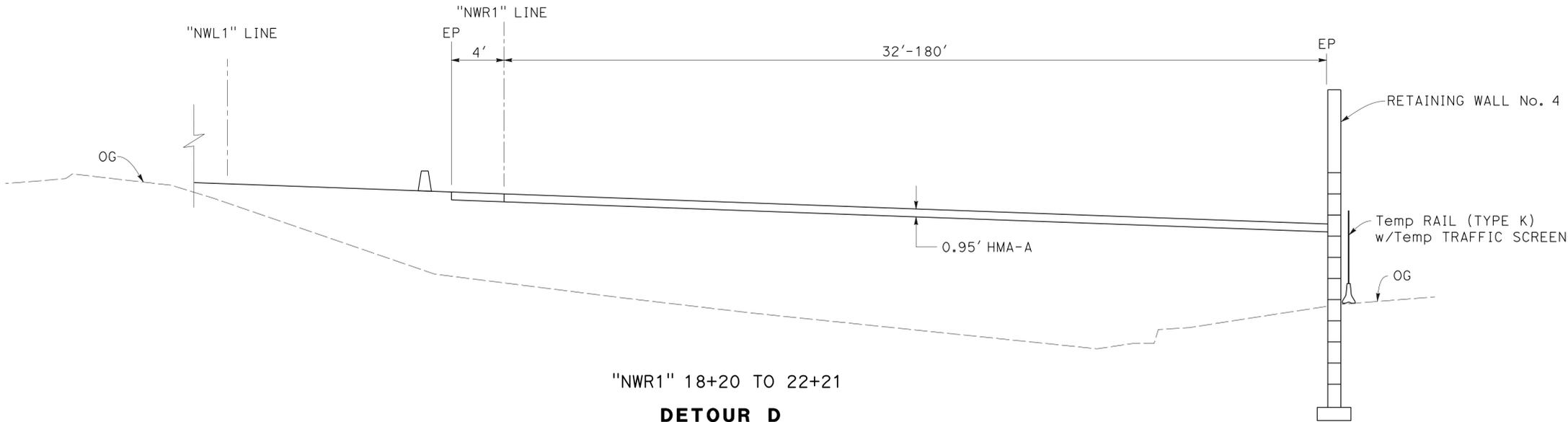
**STAGE CONSTRUCTION DETAILS**  
**STAGE 2 PHASE 1**  
 NO SCALE

**SCD-4**

FOR NOTE, SEE SHEET SCD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-00-15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	161	568
<i>Kishwar</i> 6-23-16 REGISTERED CIVIL ENGINEER DATE			Tanzeeba Kishwar No. 72668 Exp. 6-30-18 CIVIL STATE OF CALIFORNIA		
6-29-16			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



**STAGE CONSTRUCTION DETAILS**  
**STAGE 2 PHASE 1**  
 NO SCALE

**SCD-5**

FOR NOTE, SEE SHEET SCD-1



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-1-15

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

FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-1-15
TK	1-11-16

**NOTE:**  
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

**NOTE:**  
 1. FOR ALIGNMENT INFORMATION ALONG "SER1" LINE, SEE SHEET L-2.

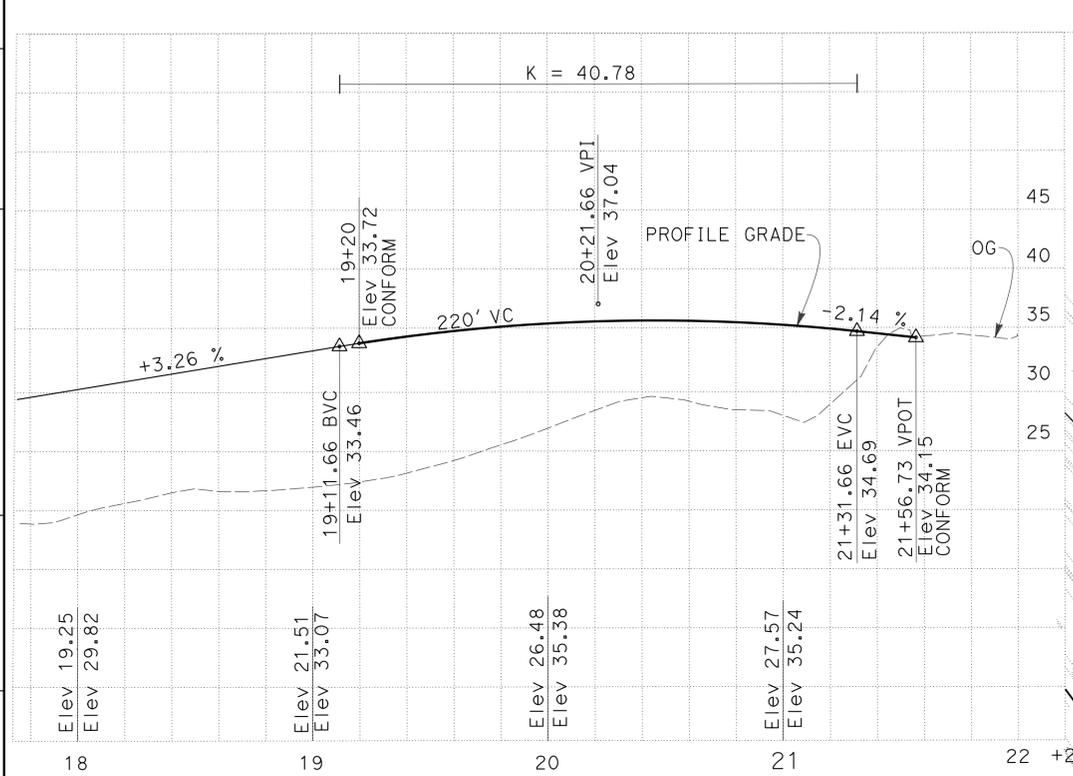
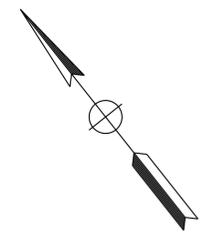
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	162	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

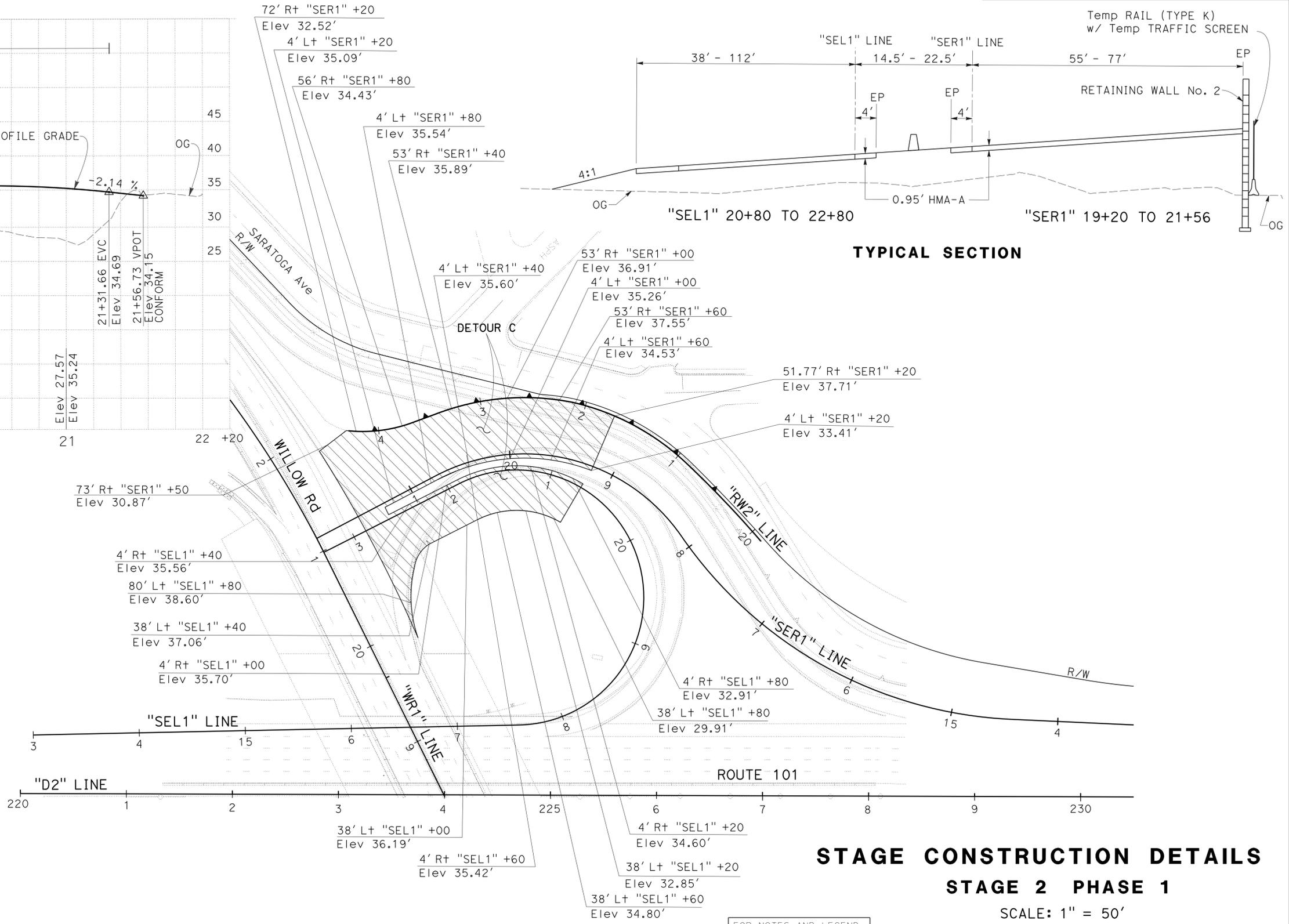
6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

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.



**PROFILE**  
 "SER1" LINE



**TYPICAL SECTION**

**STAGE CONSTRUCTION DETAILS**

**STAGE 2 PHASE 1**

SCALE: 1" = 50'

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET SC-1

**SCD-6**



LAST REVISION DATE PLOTTED => 16-AUG-2016  
 01-11-16 TIME PLOTTED => 14:22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 DESIGNED BY: TANZEEBA KISHWAR, CARLOS SANDOVAL  
 CHECKED BY: TANZEEBA KISHWAR, CARLOS SANDOVAL  
 REVISIONS:  
 TK 1-11-16  
 TK 10-1-15

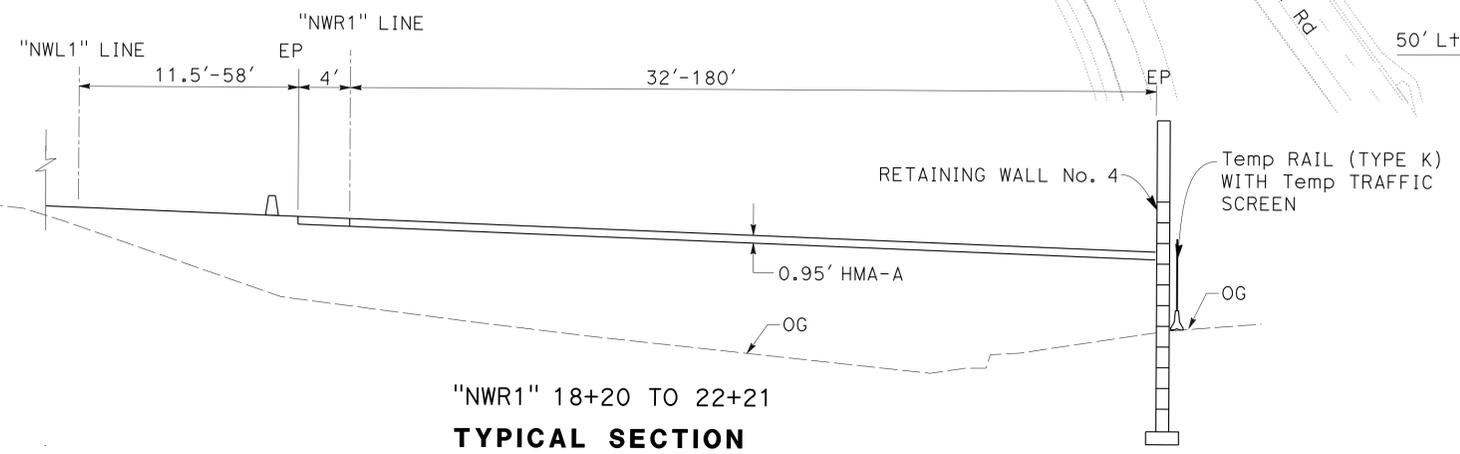
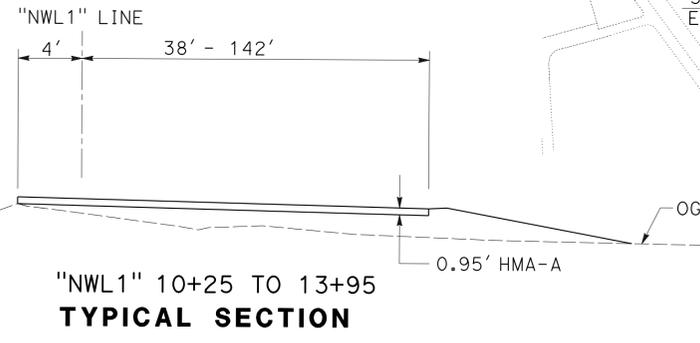
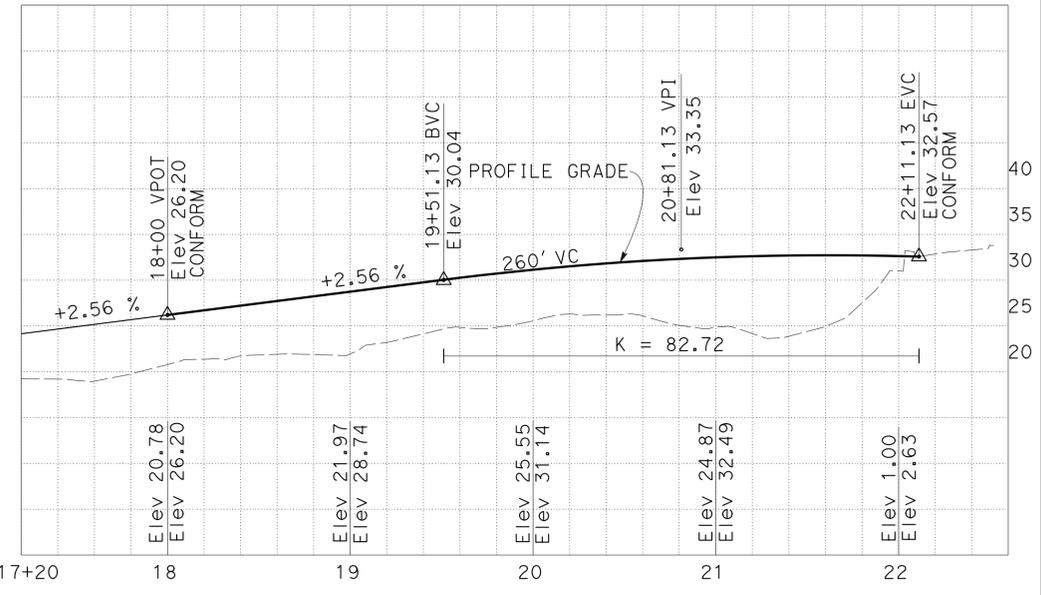
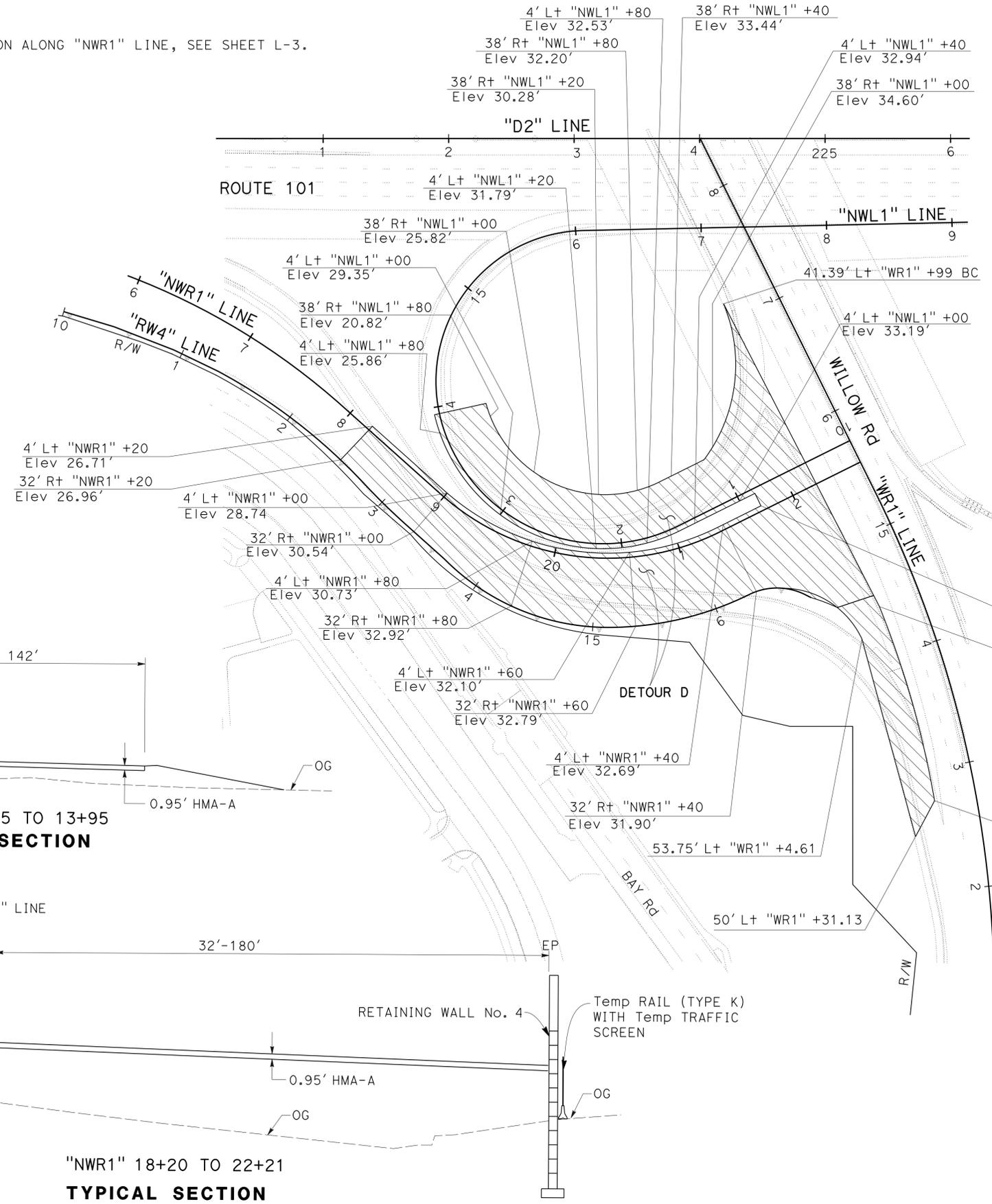
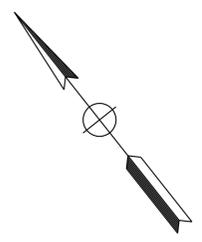
**NOTE:**  
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.  
**NOTE:**  
 1. FOR ALIGNMENT INFORMATION ALONG "NWR1" LINE, SEE SHEET L-3.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	163	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

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.

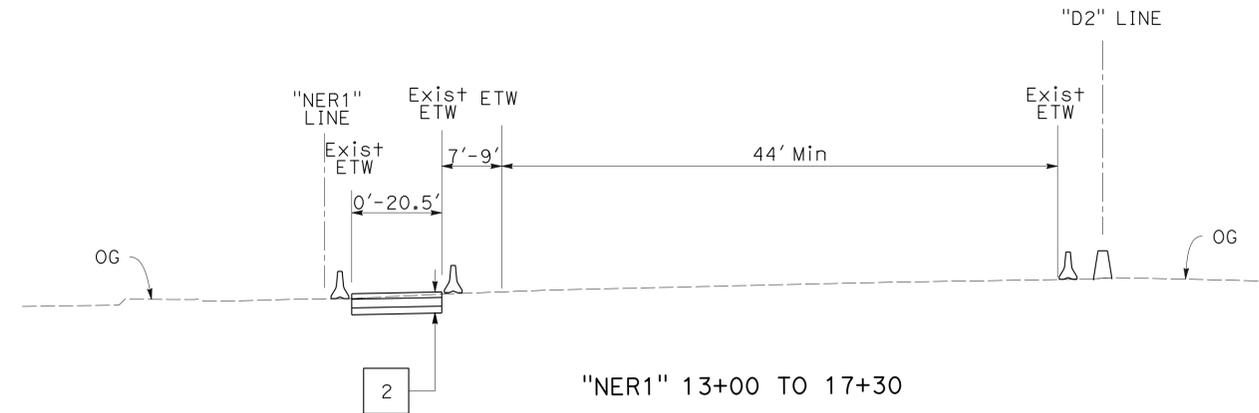
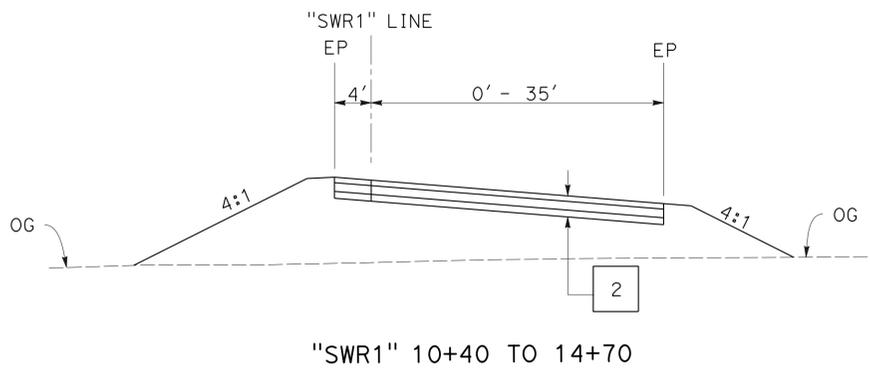
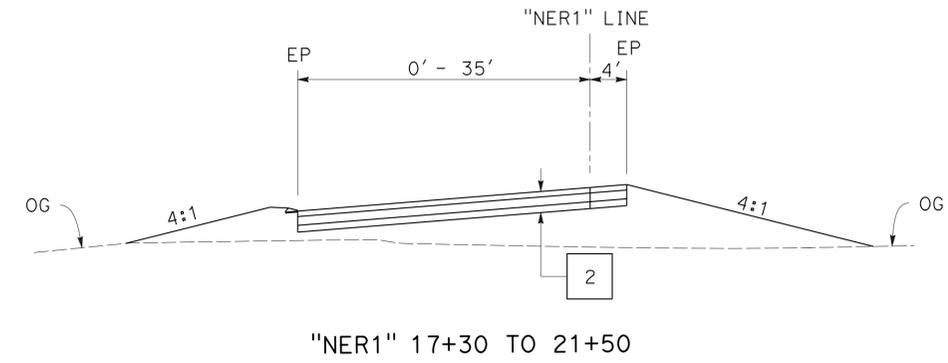
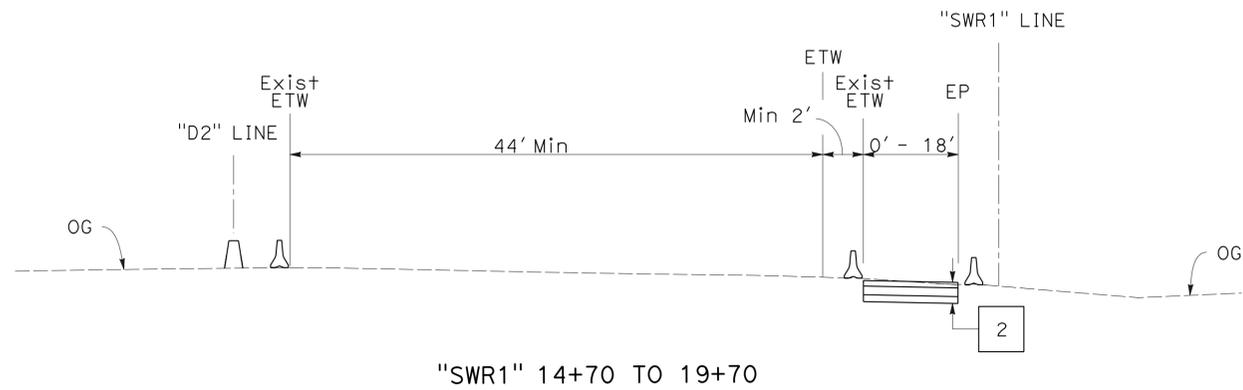


**STAGE CONSTRUCTION DETAILS**  
**STAGE 2 PHASE 1**  
 SCALE: 1" = 50'

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET SC-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	164	568
<i>Kishwar</i> 6-23-16 REGISTERED CIVIL ENGINEER DATE			Tanzeeba Kishwar No. 72668 Exp. 6-30-18 CIVIL		
6-29-16			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
<b>Caltrans</b>	TEBLEZ NEMARTAM	TANZEEBA KISHWAR	10-1-15
DESIGN	CHECKED BY	CARLOS SANDOVAL	TK
	CALCULATED/DESIGNED BY		

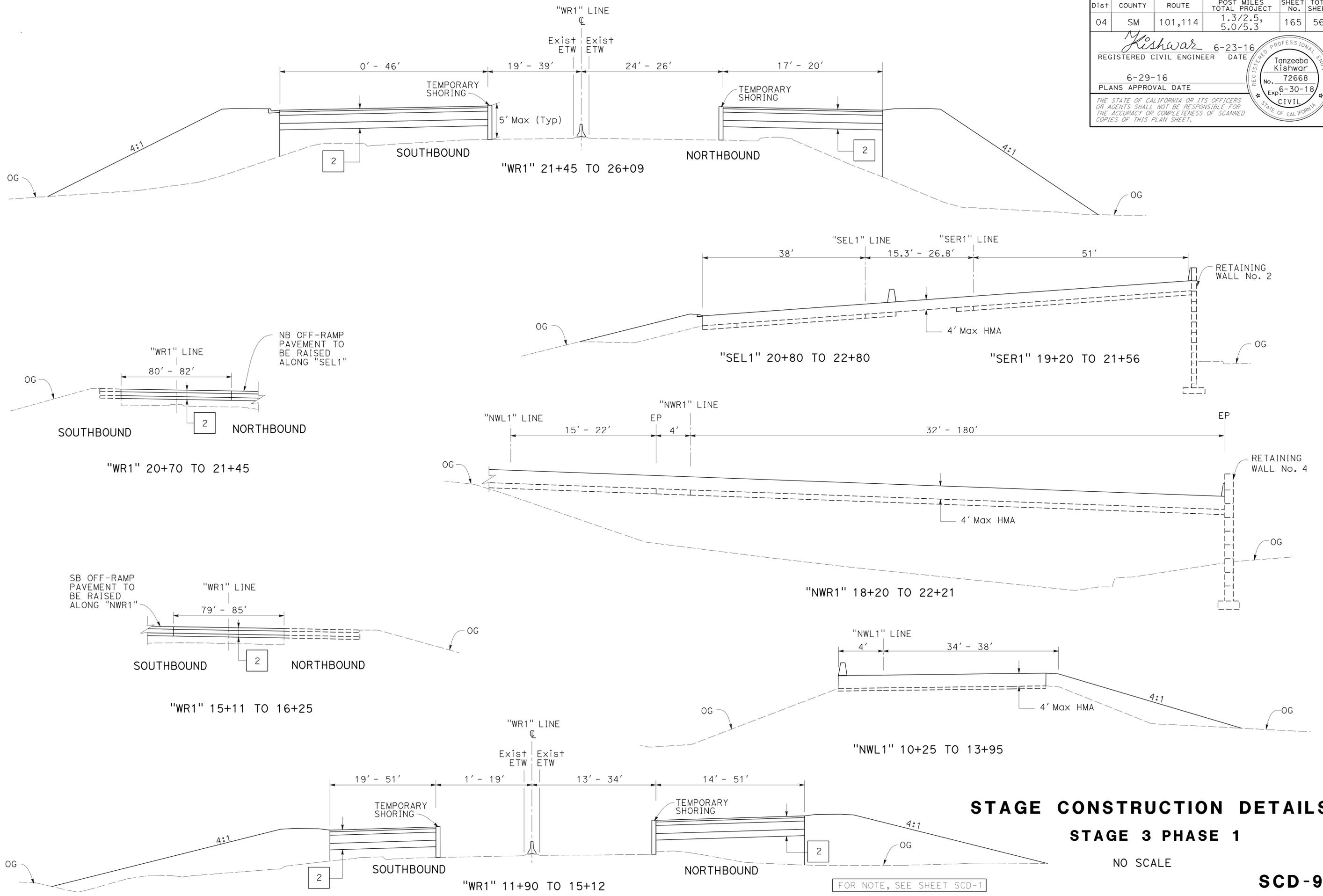
**STAGE CONSTRUCTION DETAILS**  
**STAGE 2 PHASE 2**

NO SCALE

**SCD-8**

FOR NOTE, SEE SHEET SCD-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	165	568
<i>Kishwar</i> REGISTERED CIVIL ENGINEER			6-23-16	DATE	
6-29-16 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



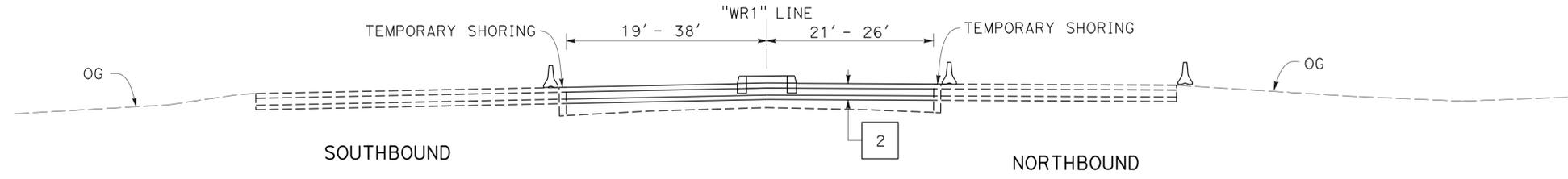
**STAGE CONSTRUCTION DETAILS**  
**STAGE 3 PHASE 1**  
 NO SCALE

**SCD-9**

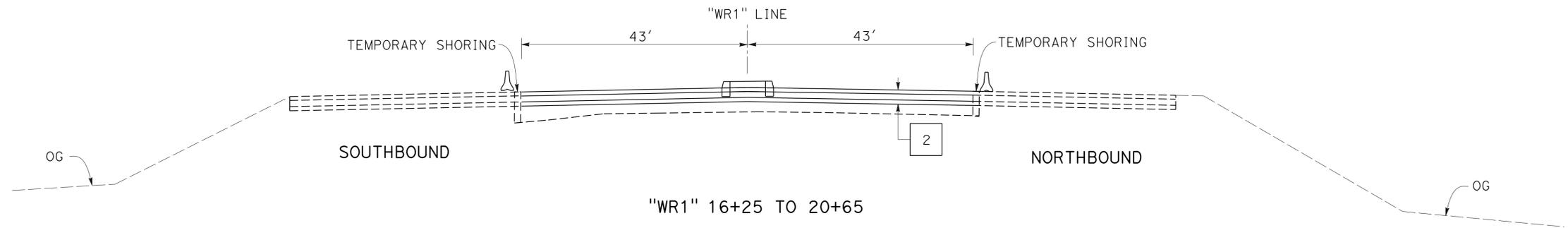
FOR NOTE, SEE SHEET SCD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-00-15
TK	01-11-16

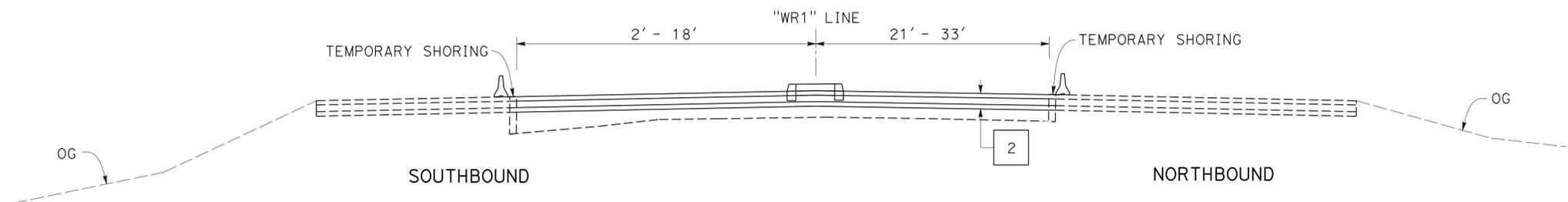
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	166	568
<i>Kishwar</i> REGISTERED CIVIL ENGINEER			6-23-16 DATE	Tanzeeba Kishwar No. 72668 Exp. 6-30-18 CIVIL	
6-29-16 PLANS APPROVAL DATE			THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		



"WR1" 21+45 TO 26+00



"WR1" 16+25 TO 20+65



"WR1" 12+55 TO 15+15

**STAGE CONSTRUCTION DETAILS**  
**STAGE 3 PHASE 2**

NO SCALE

**SCD-10**

FOR NOTE, SEE SHEET SCD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	TK
DATE	10-00-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISED BY: TK (01-11-16), TK (10-26-15)  
 DATE REVISED: 01-11-16, 10-26-15

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

- NOTES:**
- UNLESS OTHERWISE NOTED, ALL TRAFFIC LANES MUST BE 11' Min WIDE.
  - ALL STATIONING AND OFFSETS OF TEMPORARY RAILING (TYPE K) CORRESPOND TO THE NEAREST FACE OF TEMPORARY RAILING FROM THE ALIGNMENT LINE.
  - PRIOR TO OPENING ROADWAY TO TRAFFIC, ALL EXISTING OR TEMPORARY PAVEMENT DELINEATION AND SIGNS IN CONFLICT WITH TRAFFIC HANDLING PLAN MUST BE REMOVED OR COVERED.
  - A TYPE P MARKER PANEL SHALL BE INSTALLED AT THE ANGLE POINT OF EACH APPROACH TAPER OF TEMPORARY RAILING (TYPE K).
  - CHANNELIZERS (SURFACE MOUNTED) SHOWN ARE SPACED 25' C-C Max.
  - ALL Temp RAILING AND CRASH CUSHION FROM PREVIOUS PHASE SHOULD BE REMOVED UNLESS OTHERWISE NOTED.

**LEGEND:**

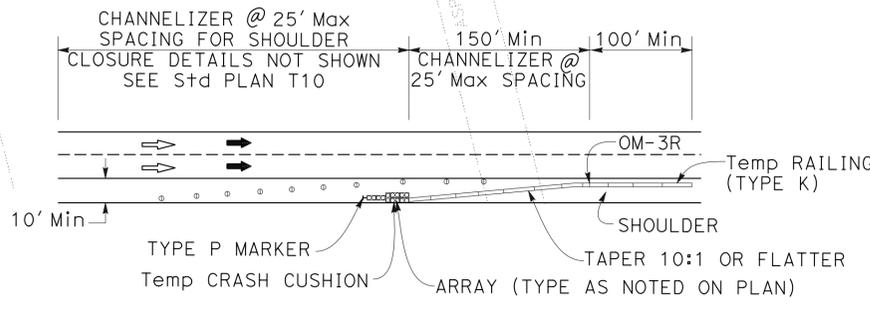
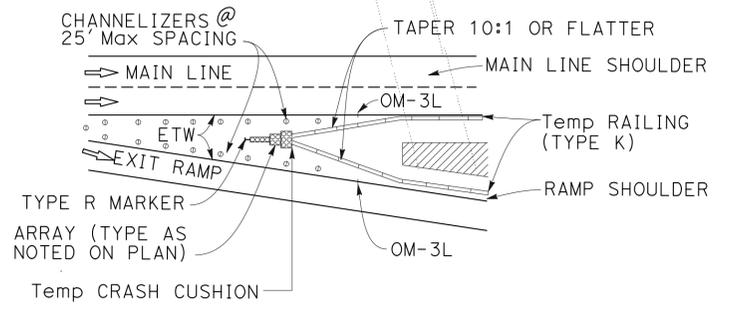
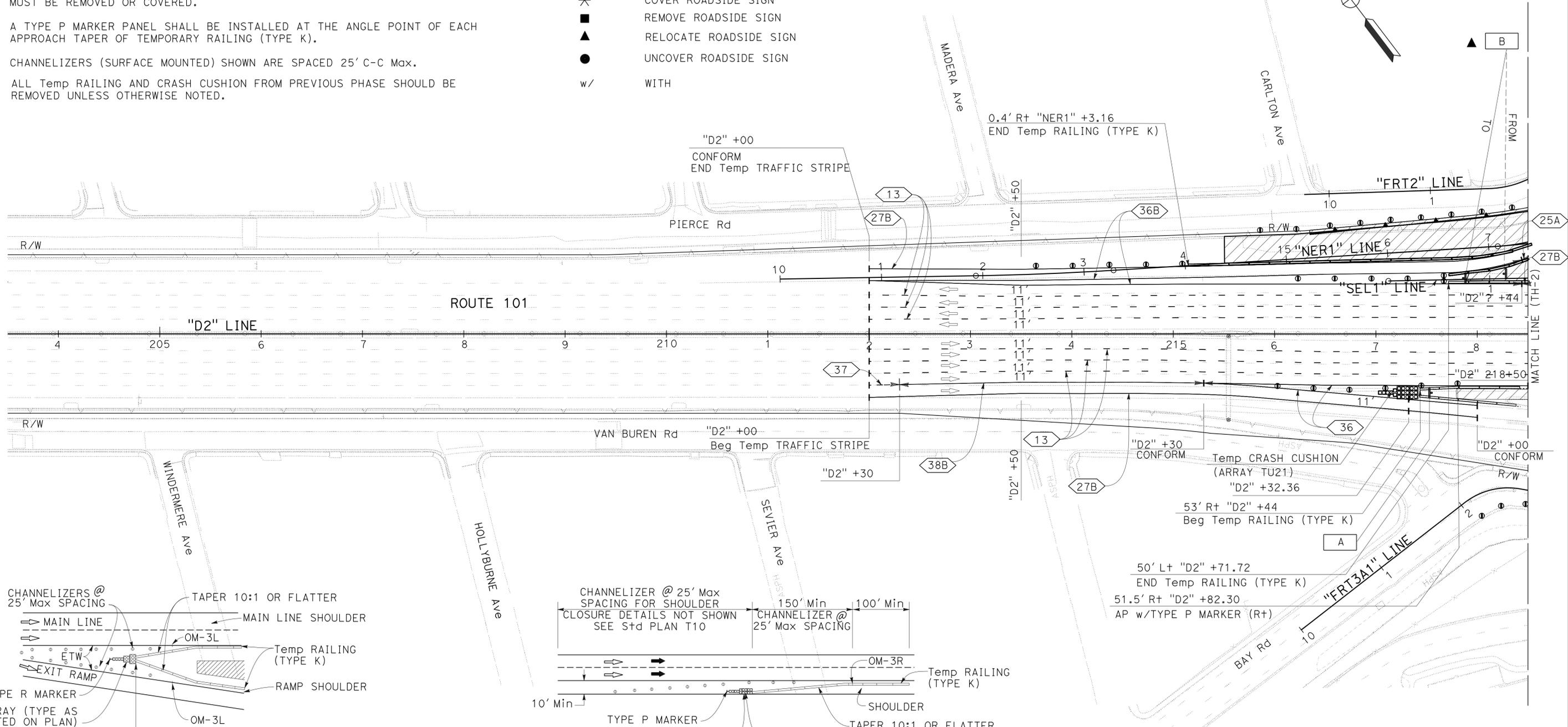
- [Hatched Box] CONSTRUCTION THIS PHASE
- [Dotted Box] TEMPORARY PAVEMENT CONSTRUCTION THIS PHASE
- [Grid Box] REMOVE
- [Crash Cushion Symbol] TEMPORARY CRASH CUSHION
- [Line with Arrow] LIMIT OF DESIGNATED TRAFFIC STRIPE
- [Circle with D] CHANNELIZER (SURFACE MOUNTED)
- [X] COVER ROADSIDE SIGN
- [Square] REMOVE ROADSIDE SIGN
- [Triangle] RELOCATE ROADSIDE SIGN
- [Circle] UNCOVER ROADSIDE SIGN
- [w/] WITH
- [Dashed Line] TYPE "P" OR "R" MARKER
- [Type III Barricade] TYPE III BARRICADE
- [Type II Arrow] TYPE II ARROW (L+ OR R+)
- [Type III Arrow] TYPE III ARROW (L+ OR R+)
- [Type IV Arrow] TYPE IV ARROW (L+ OR R+)
- [Type V Arrow] TYPE V ARROW
- [Type VII Arrow] TYPE VII ARROW (L+ OR R+)
- [Box] CONSTRUCTION AREA SIGN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	167	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

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.



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

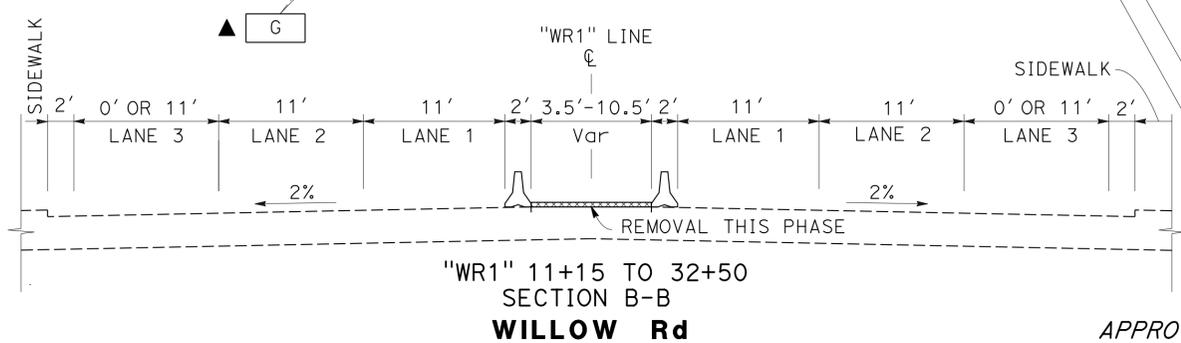
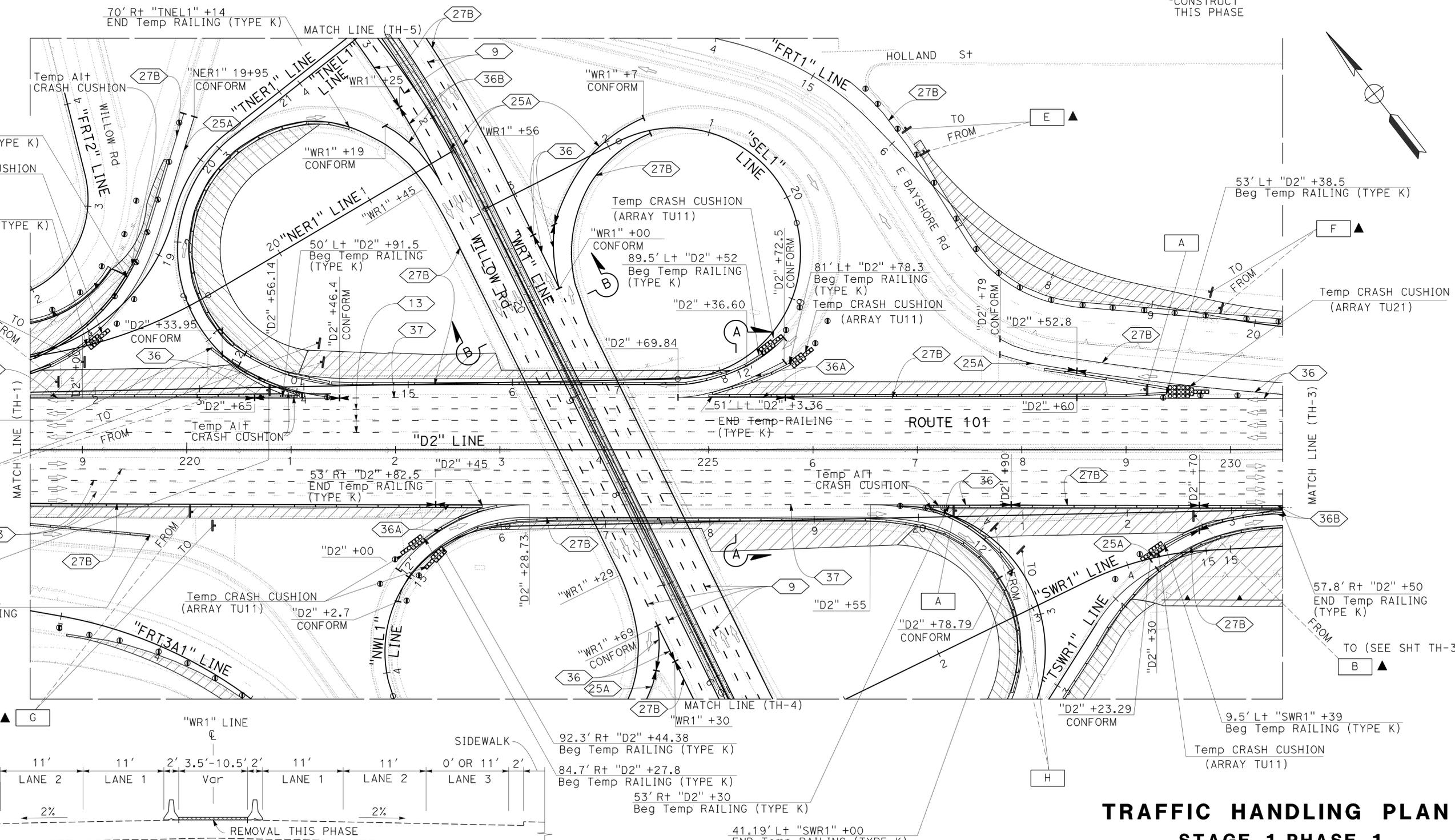
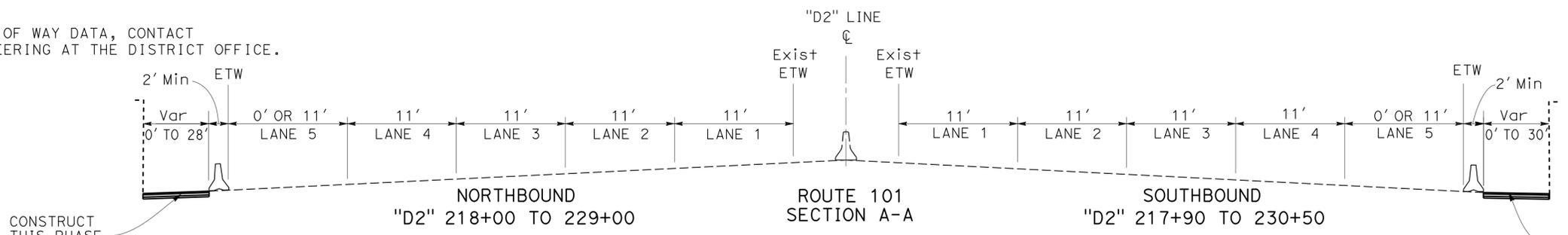
**TH-1**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	168	568

Kishwar 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

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



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

FOR NOTES AND LEGEND, SEE SHEET TH-1

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION DESIGN

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM

CHECKED BY: CARLOS SANDOVAL

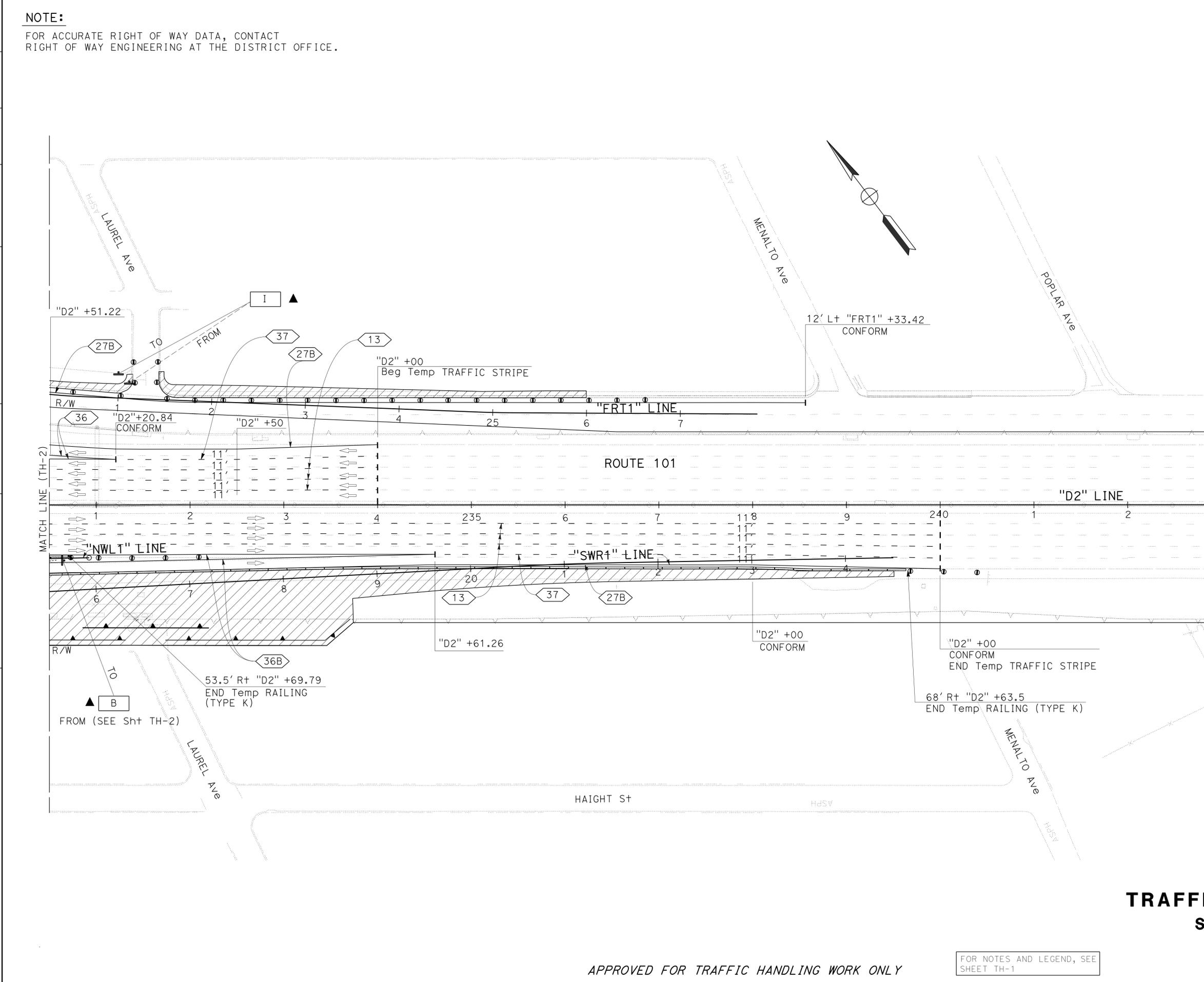
DESIGNED BY: TANZEEBA KISHWAR

REVISOR: CARLOS SANDOVAL

DATE: 10-26-15

TK: 01-11-16

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



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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	169	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 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.

REVISOR: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 DESIGNED BY: TEBLEZ NEMARTAM  
 DATE: 10-26-15

**TRAFFIC HANDLING PLAN  
 STAGE 1 PHASE 1**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-3**

LAST REVISION DATE PLOTTED => 16-AUG-2016  
 10-06-15 TIME PLOTTED => 14:22

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CHECKED BY: CARLOS SANDOVAL  
 DESIGNED BY: TANZEEBA KISHWAR  
 DATE REVISION: 10-26-15  
 TK  
 01-11-16

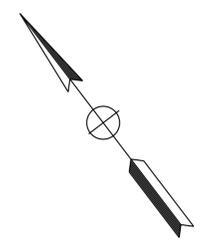
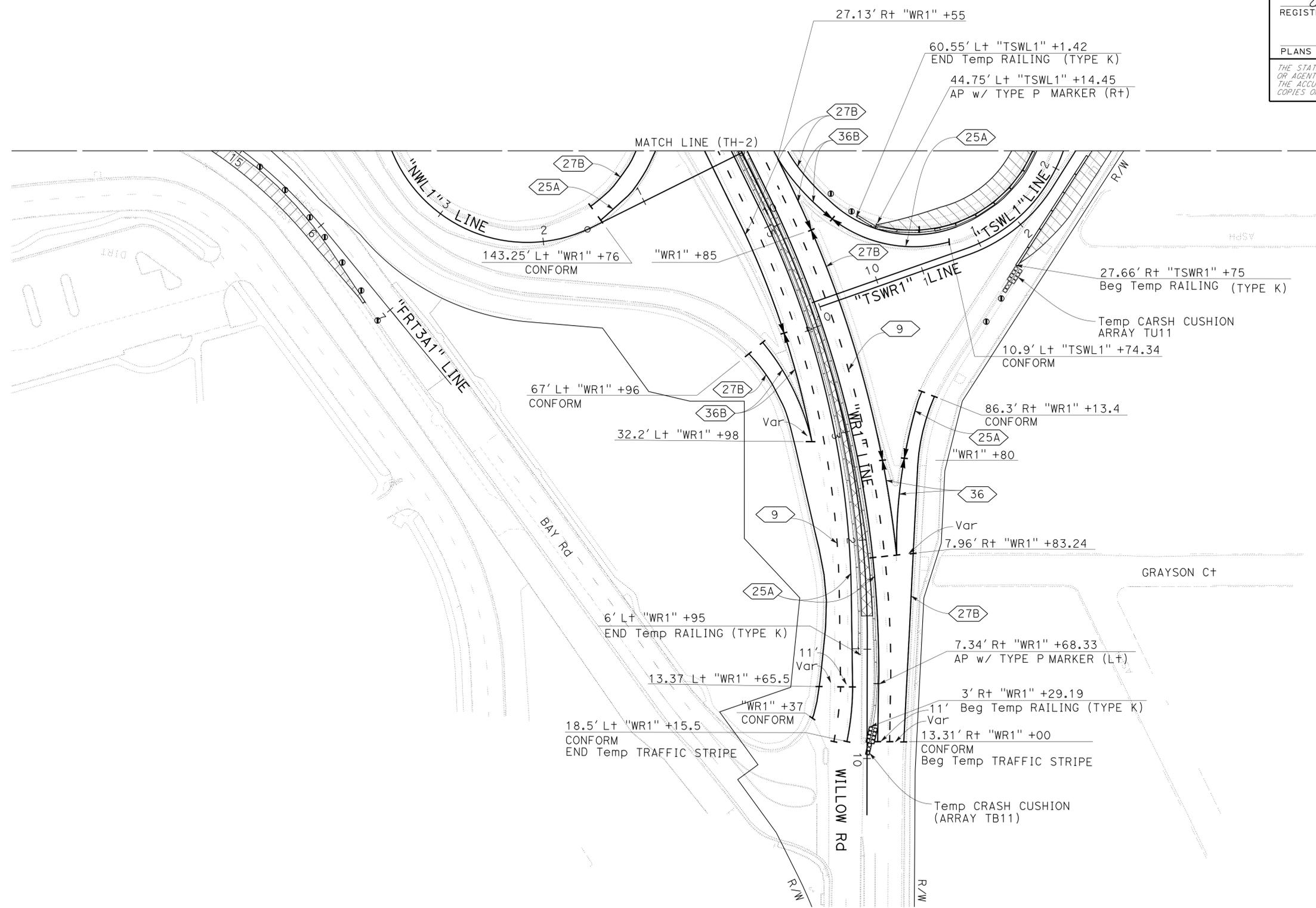
**NOTE:**  
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	170	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

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**TRAFFIC HANDLING PLAN  
 STAGE 1 PHASE 1**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN	FUNCTIONAL SUPERVISOR	TANZEEBA KISHWAR	REVISOR	TK
Caltrans		TEBLEZ NEMARTAM	CARLOS SANDOVAL	DATE REVISED	10-26-15
		CALCULATED/DESIGNED BY			
		CHECKED BY			

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

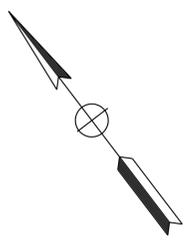
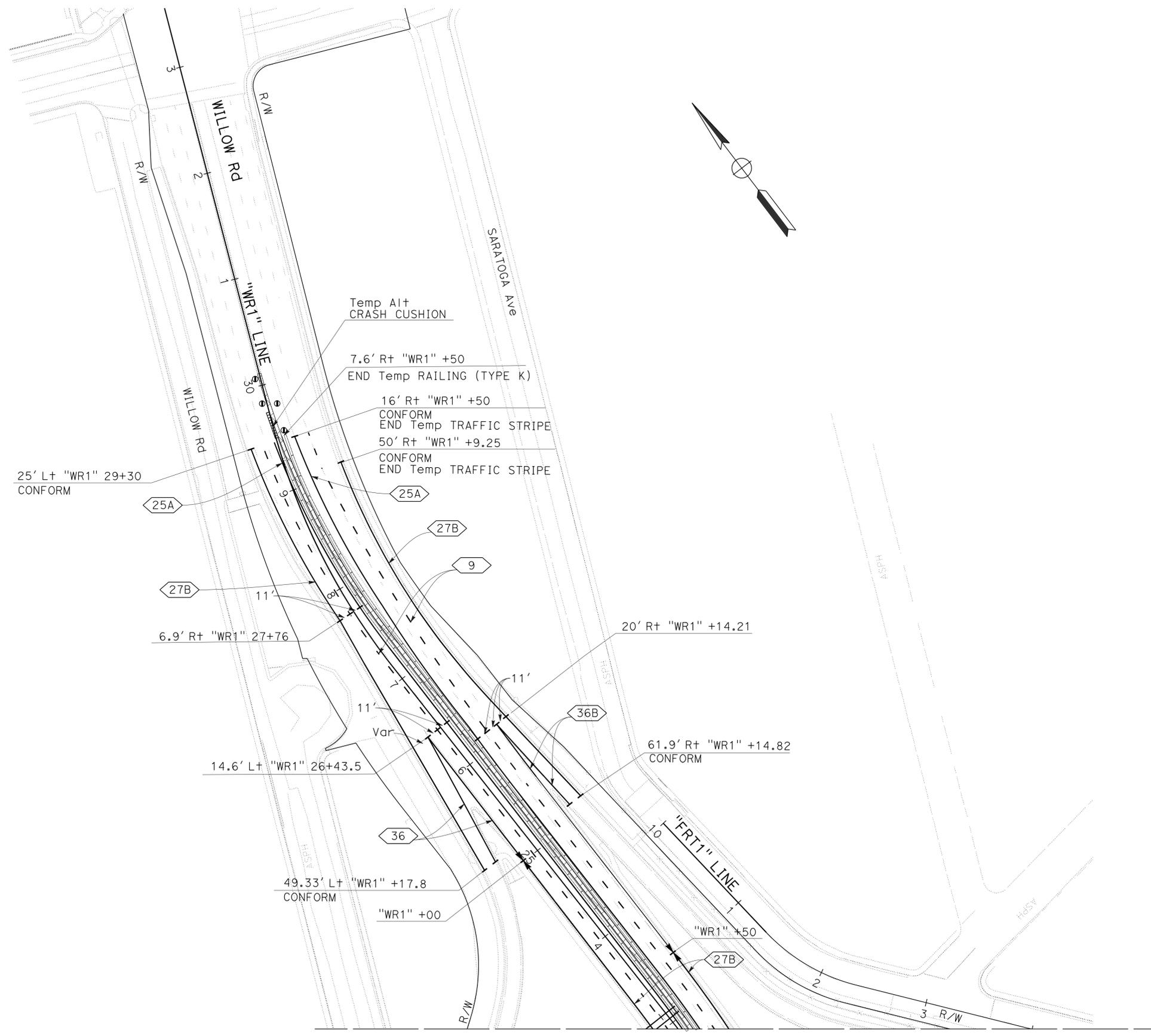
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	171	568

*Kishwar* 6-23-16  
REGISTERED CIVIL ENGINEER DATE

6-29-16  
PLANS APPROVAL DATE

Tanzeeba Kishwar  
No. 72668  
Exp. 6-30-18  
CIVIL

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**TRAFFIC HANDLING PLAN**  
**STAGE 1 PHASE 1**  
SCALE: 1" = 50'  
**TH-5**

LAST REVISION DATE PLOTTED => 16-AUG-2016 10-06-15 TIME PLOTTED => 14:22

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISIONS: TK 10-26-15

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	172	568

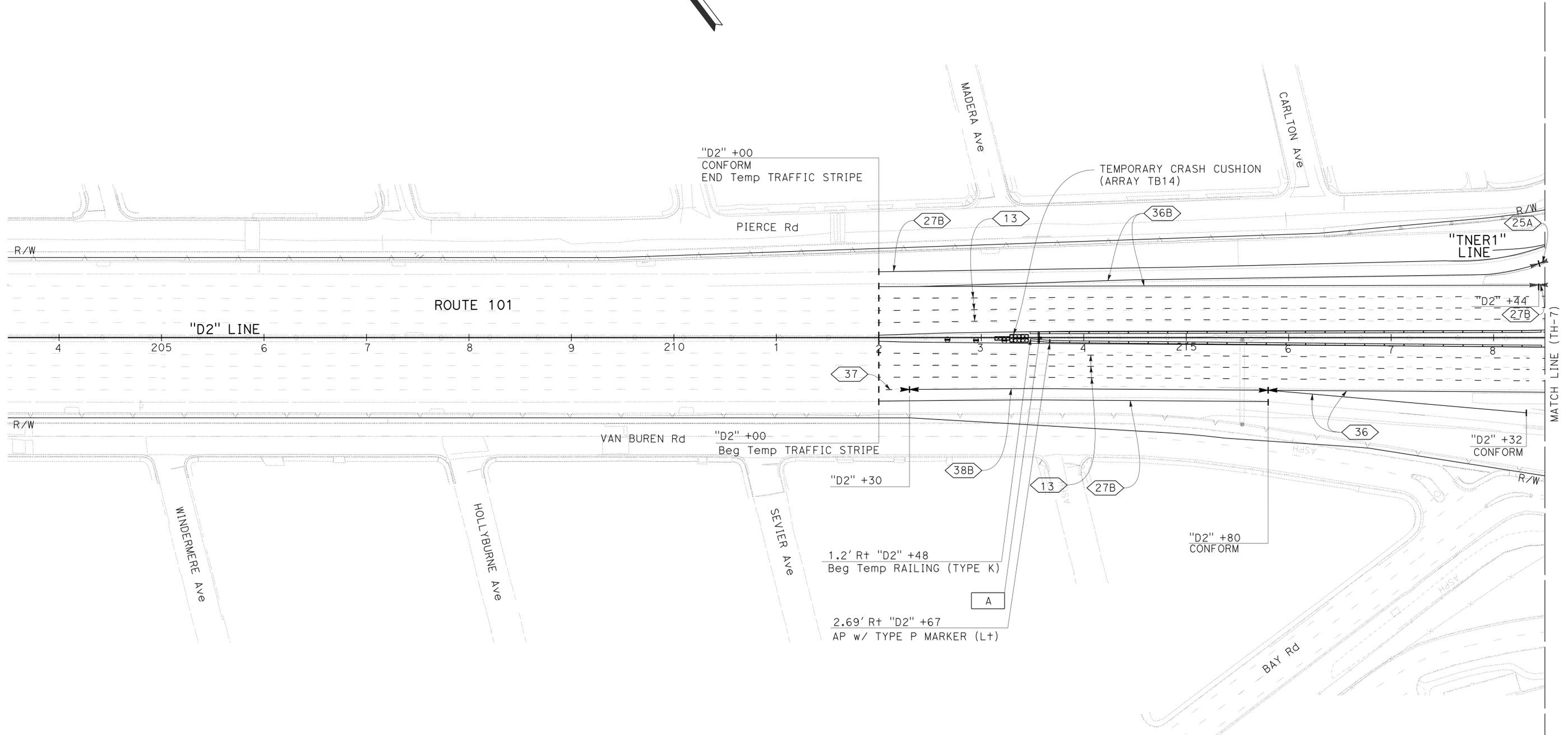
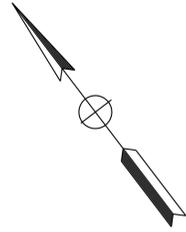
*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA

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

APPROVED FOR TRAFFIC HANDLING WORK ONLY

TH-6

LAST REVISION DATE PLOTTED => 16-AUG-2016 11-20-15 TIME PLOTTED => 14:22

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

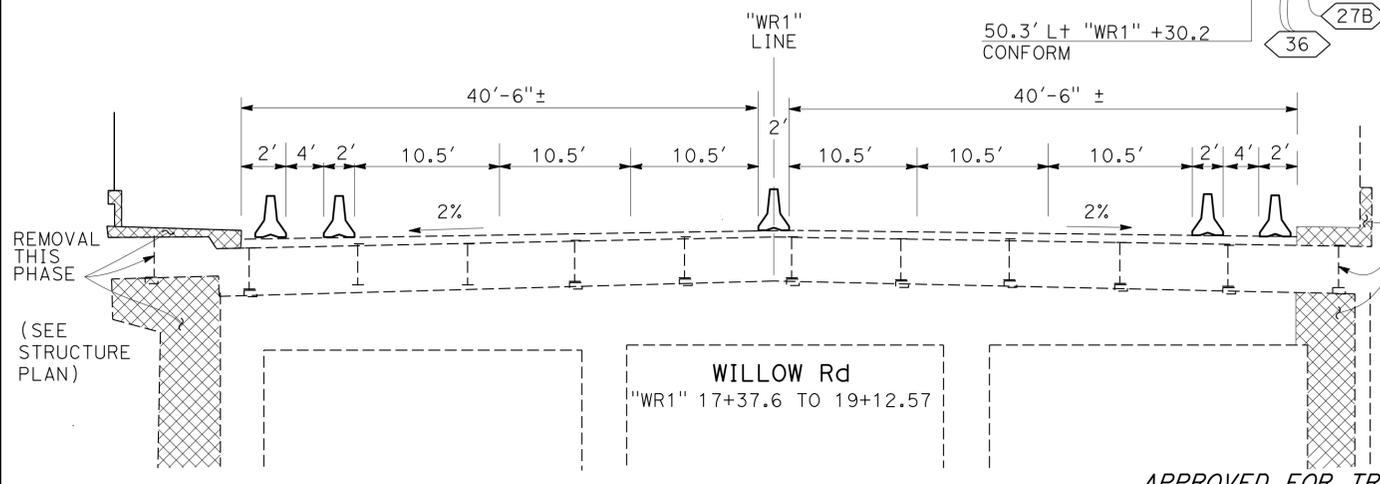
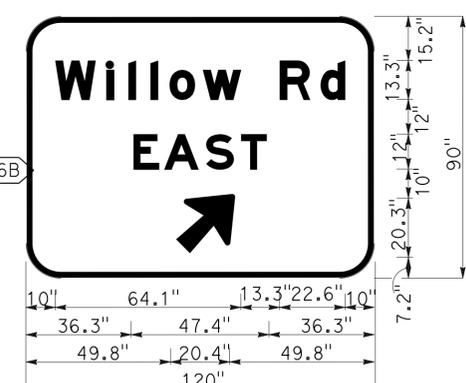
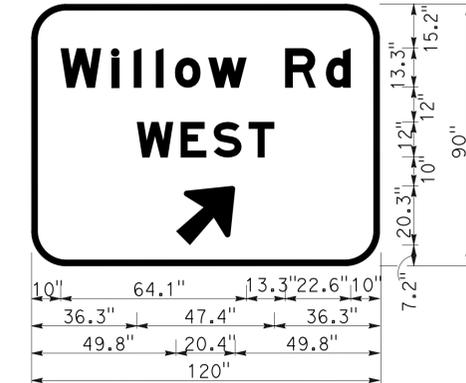
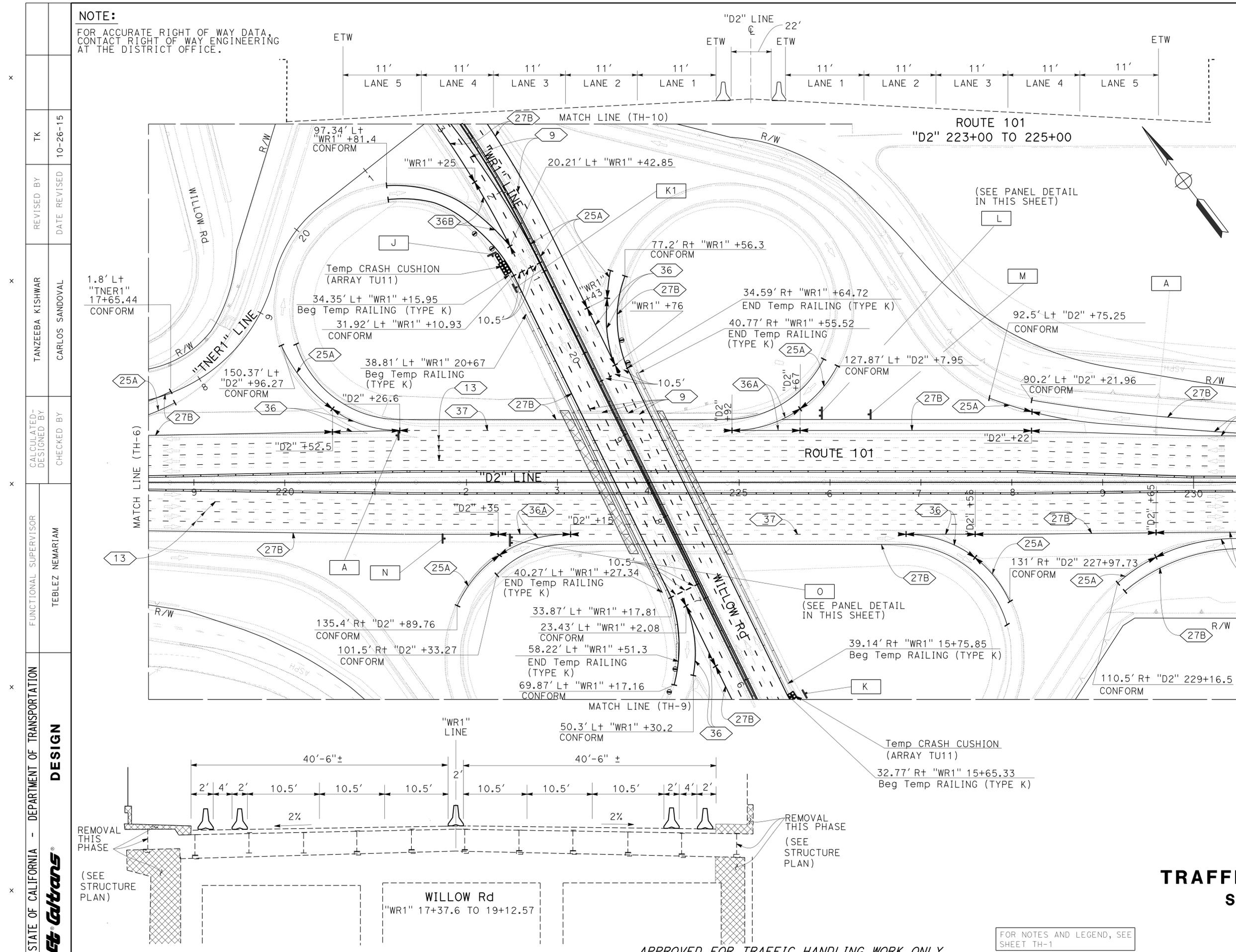
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3	173	568

*Kishwar* 6-23-16  
REGISTERED CIVIL ENGINEER DATE

6-29-16  
PLANS APPROVAL DATE

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COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
Tanzeeba  
Kishwar  
No. 72668  
Exp. 6-30-18  
CIVIL  
STATE OF CALIFORNIA



**TRAFFIC HANDLING PLAN**  
**STAGE 1 PHASE 2**  
SCALE: 1" = 50'  
**TH-7**

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CHECKED BY: CARLOS SANDOVAL  
 DESIGNED BY: TANZEEBA KISHWAR  
 REVISIONS: TK 10-26-15

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

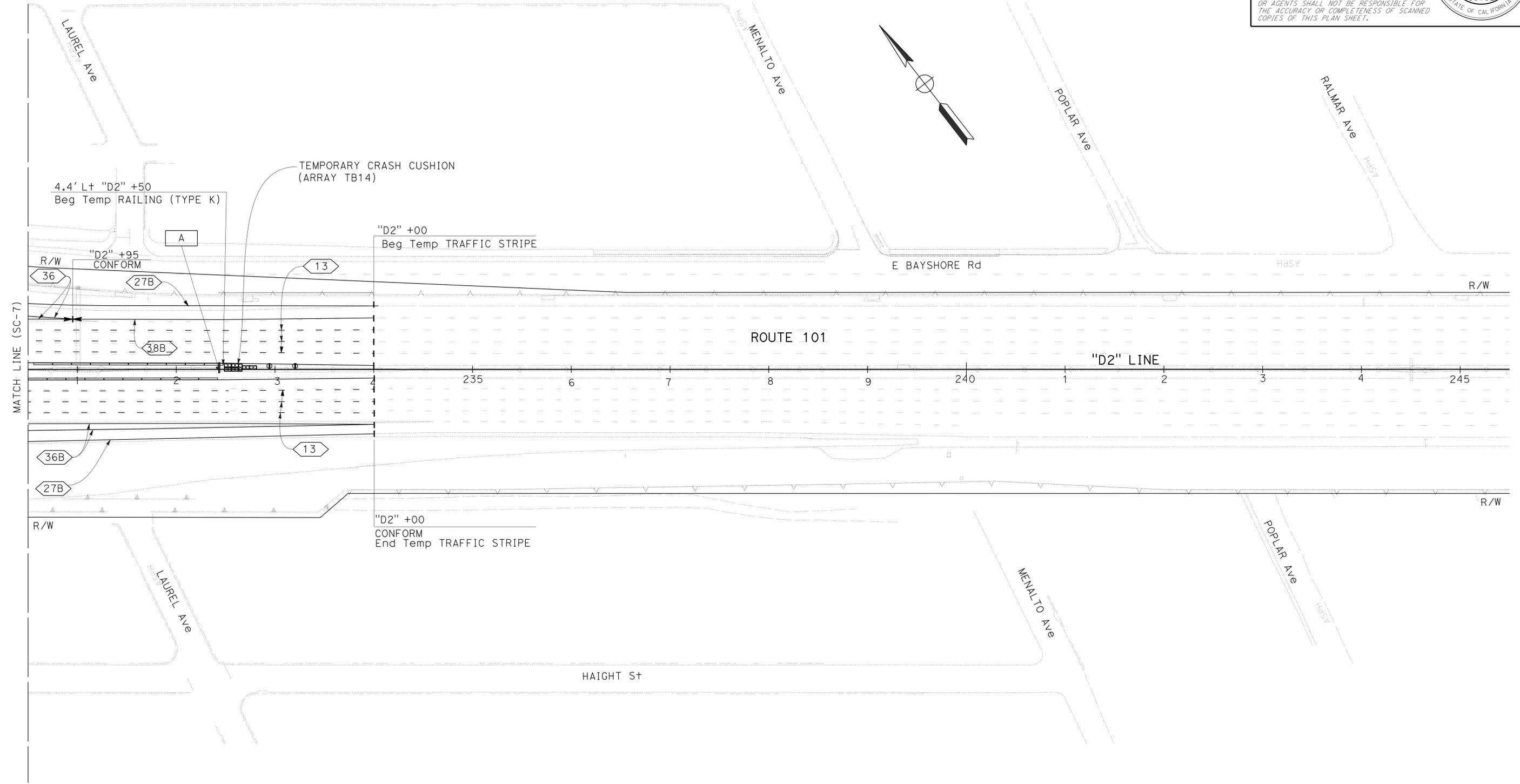
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	174	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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**TRAFFIC HANDLING PLAN  
 STAGE 1 PHASE 2**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-8**

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CHECKED BY: CARLOS SANDOVAL  
 DESIGNED BY: TANZEEBA KISHWAR  
 DATE REVISION: 10-26-15  
 REVISION: TK

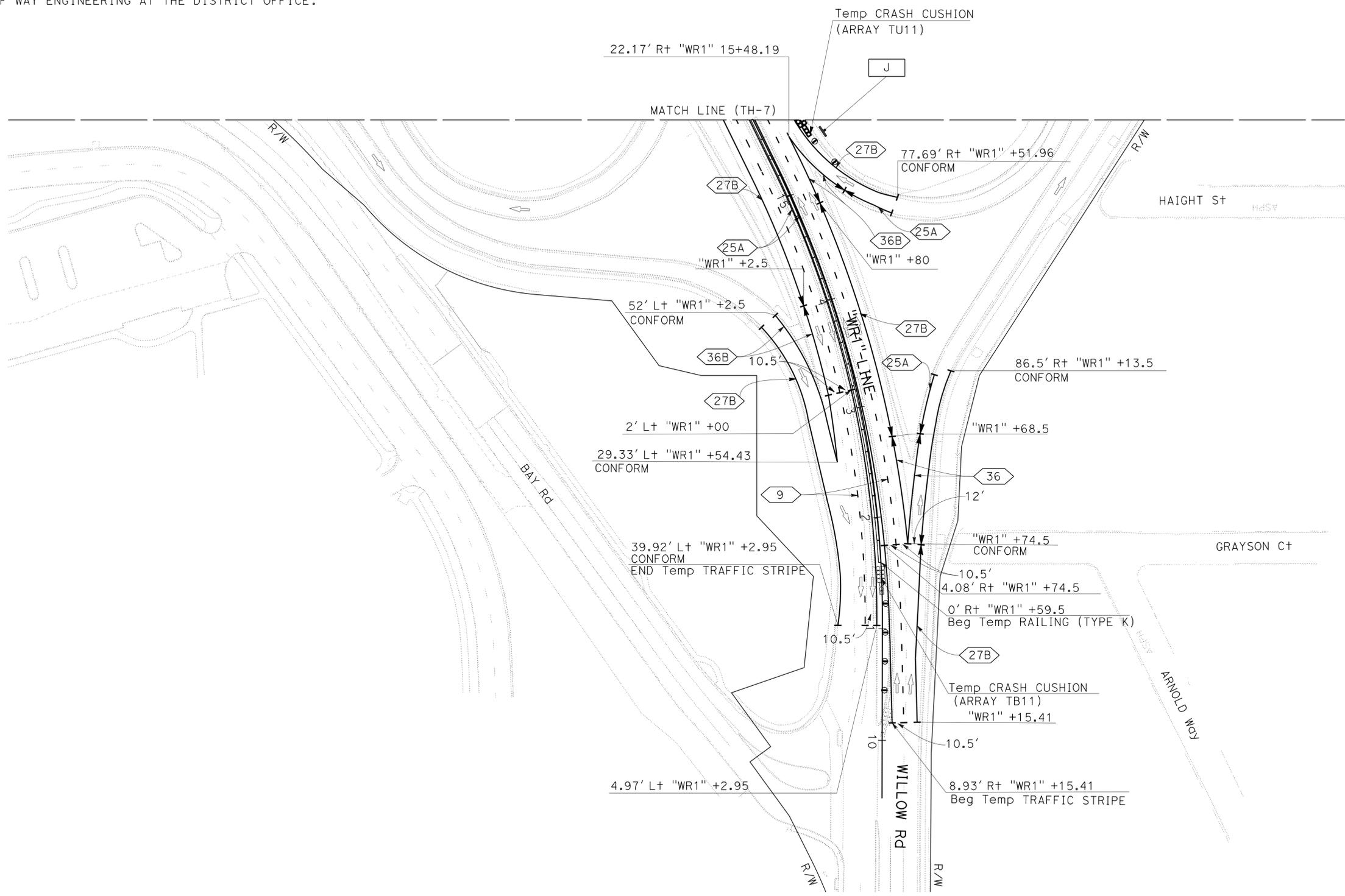
**NOTES:**  
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	175	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
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 No. 72668  
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**TRAFFIC HANDLING PLAN**  
**STAGE 1 PHASE 2**  
 SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-9**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-26-15

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

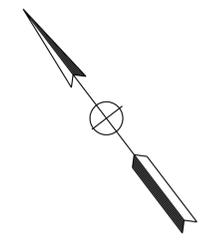
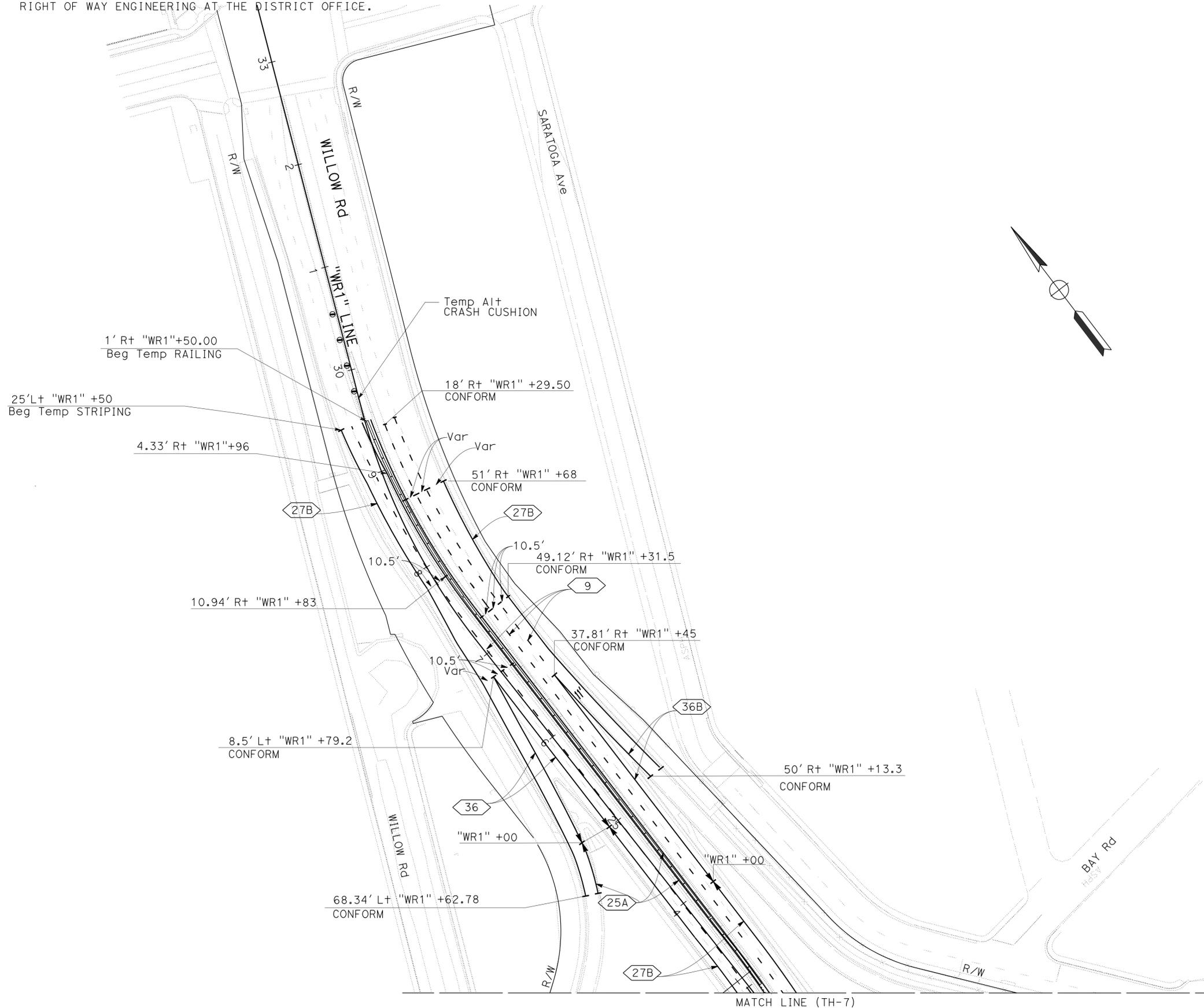
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	176	568

*Kishwar* 6-23-16  
REGISTERED CIVIL ENGINEER DATE

6-29-16  
PLANS APPROVAL DATE

Tanzeeba Kishwar  
No. 72668  
Exp. 6-30-18  
CIVIL

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.



**TRAFFIC HANDLING PLAN  
STAGE 1 PHASE 2**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-10**

LAST REVISION DATE PLOTTED => 16-AUG-2016 08-14-15 TIME PLOTTED => 14:22



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISIONS:  
 TK 01-11-16  
 TK 10-26-15  
 REVISED BY: DATE REVISED

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	178	568

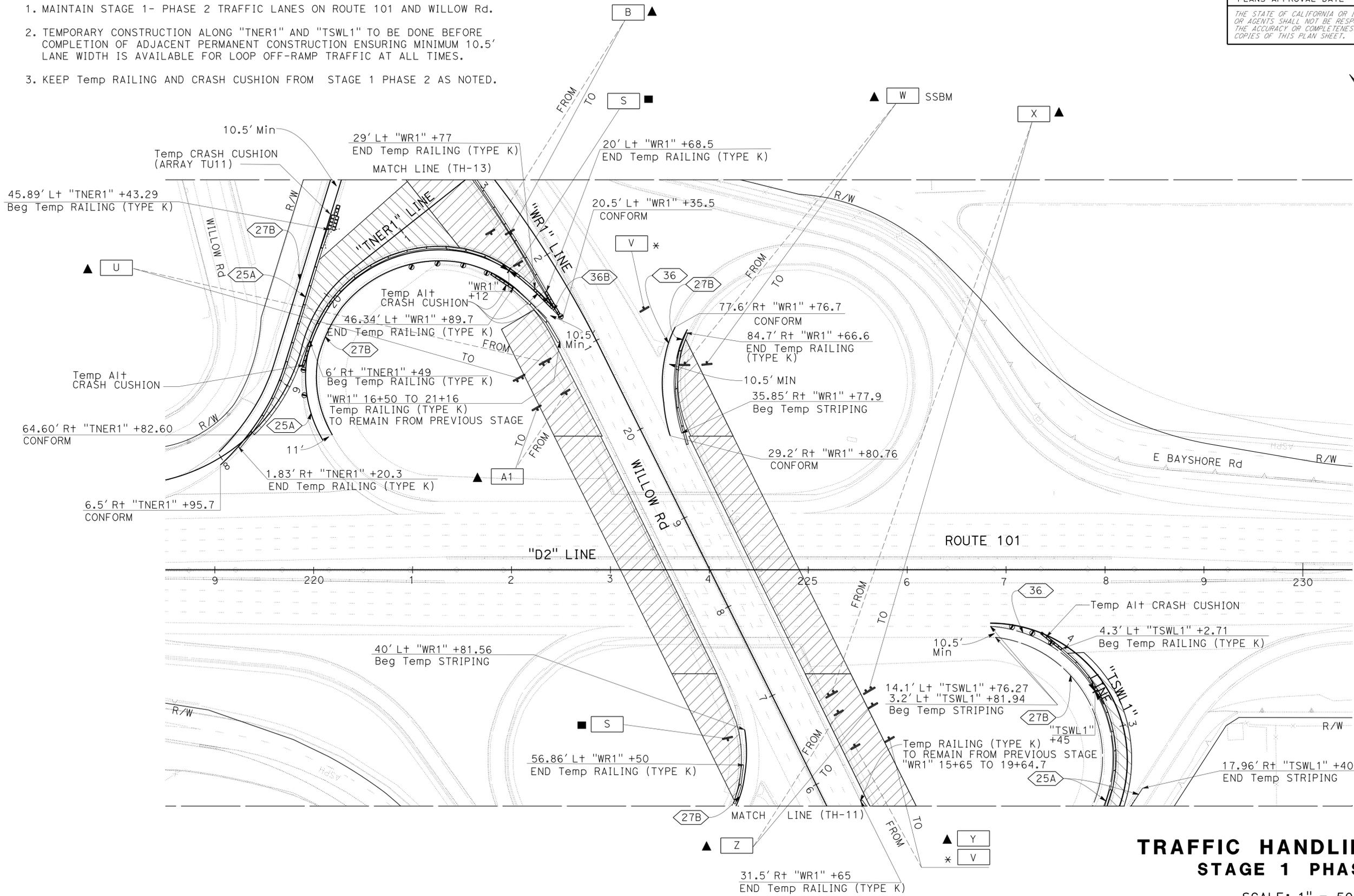
*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 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.

**TRAFFIC**

1. MAINTAIN STAGE 1- PHASE 2 TRAFFIC LANES ON ROUTE 101 AND WILLOW Rd.
2. TEMPORARY CONSTRUCTION ALONG "TNER1" AND "TSWL1" TO BE DONE BEFORE COMPLETION OF ADJACENT PERMANENT CONSTRUCTION ENSURING MINIMUM 10.5' LANE WIDTH IS AVAILABLE FOR LOOP OFF-RAMP TRAFFIC AT ALL TIMES.
3. KEEP Temp RAILING AND CRASH CUSHION FROM STAGE 1 PHASE 2 AS NOTED.



**TRAFFIC HANDLING PLAN  
 STAGE 1 PHASE 3**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

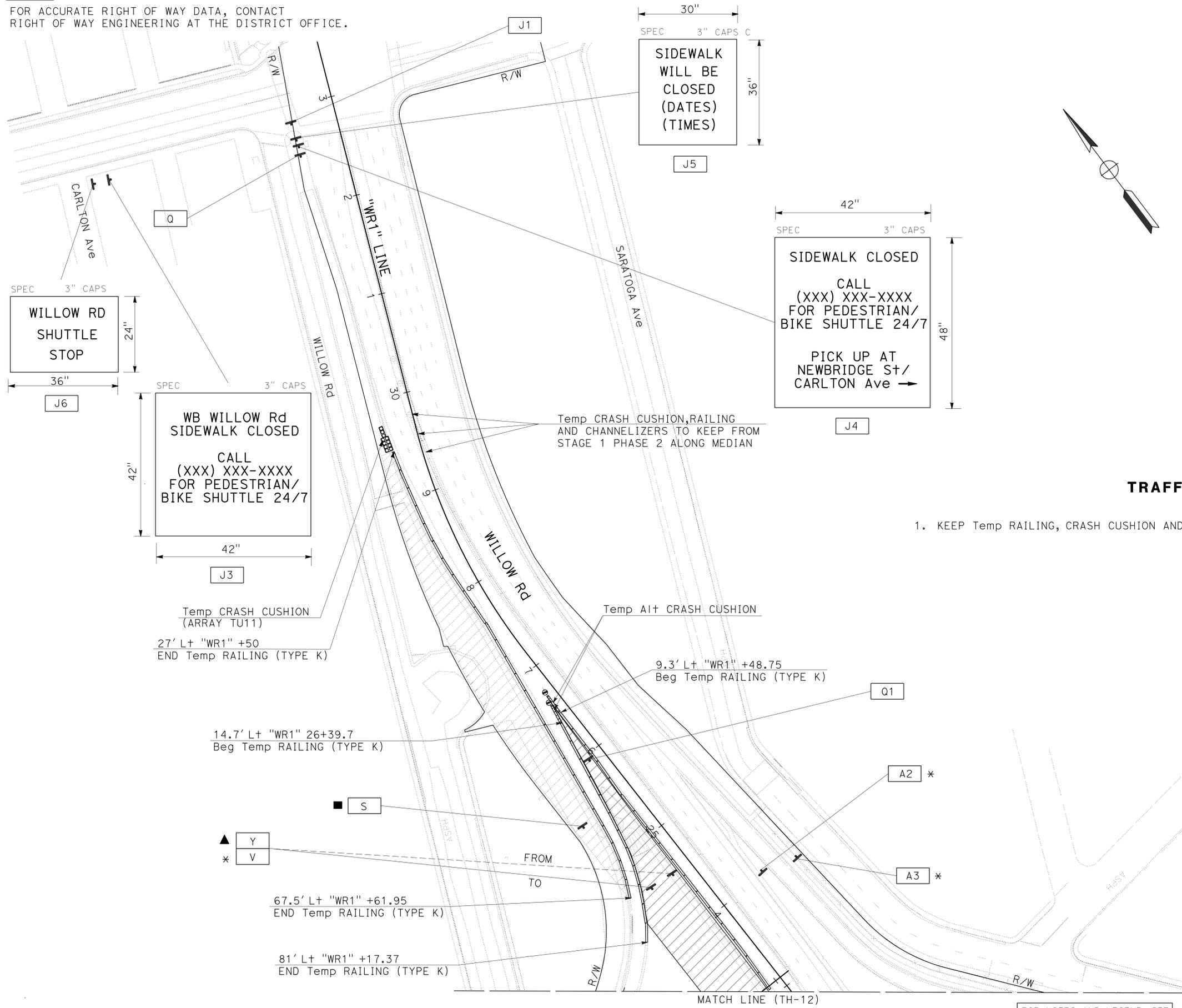
FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-12**

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISIONS: TK 10-26-15  
 REVISOR: TANZEEBA KISHWAR  
 DATE: 10-26-15

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

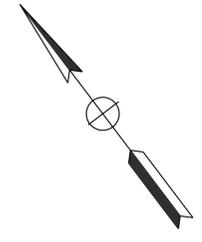


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	179	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

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**TRAFFIC**

- KEEP Temp RAILING, CRASH CUSHION AND CHANNELIZER FROM STAGE 1 PHASE 2 AS NOTED.

**TRAFFIC HANDLING PLAN  
 STAGE 1 PHASE 3**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-13**

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISIONS: TK 10-26-15

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

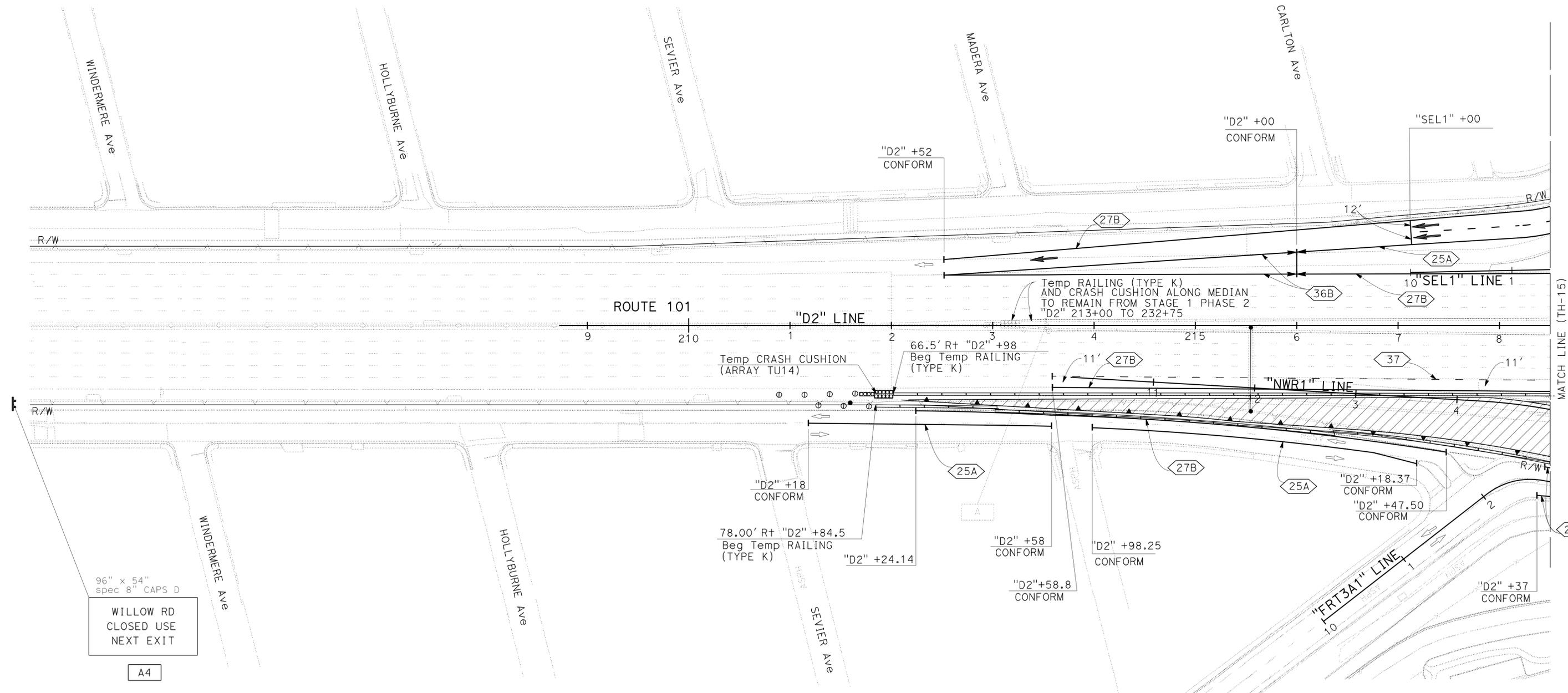
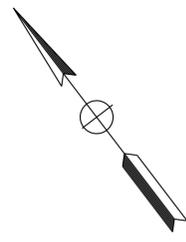
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	180	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 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.



**TRAFFIC HANDLING PLAN  
 STAGE 2 PHASE 1**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

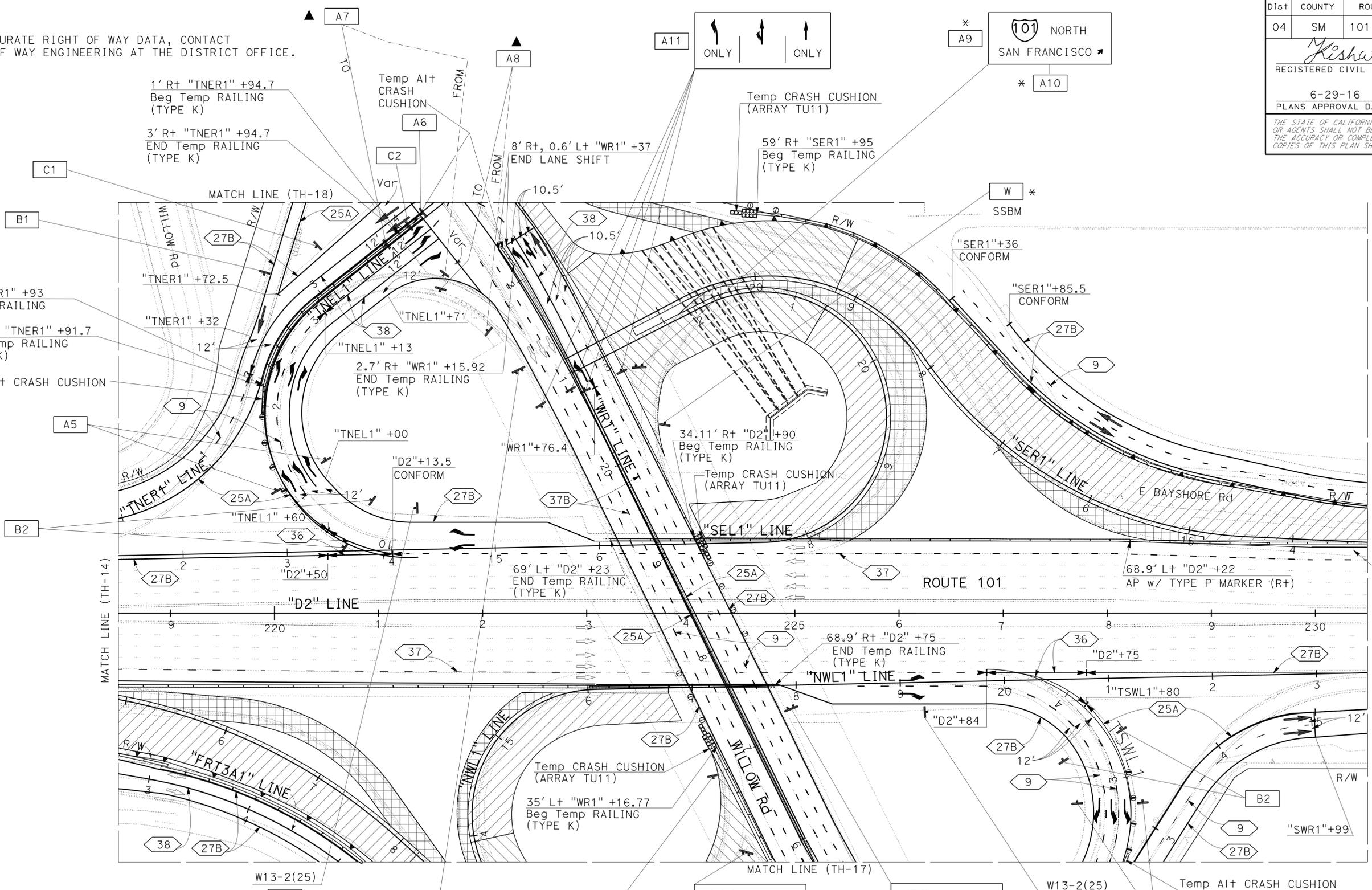
FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-14**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	181	568

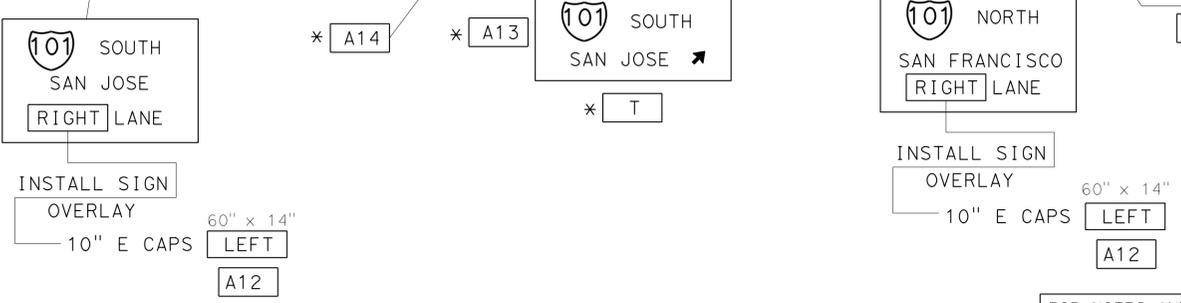
Kishwar 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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



**TRAFFIC**

- 11' Min LANE WIDTH SHOULD BE MAINTAINED ON FRONTAGE ROAD.
- 10.5' Min LANE WIDTH SHOULD BE MAINTAINED ON WILLOW ROAD.



**TRAFFIC HANDLING PLAN  
 STAGE 2 PHASE 1**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

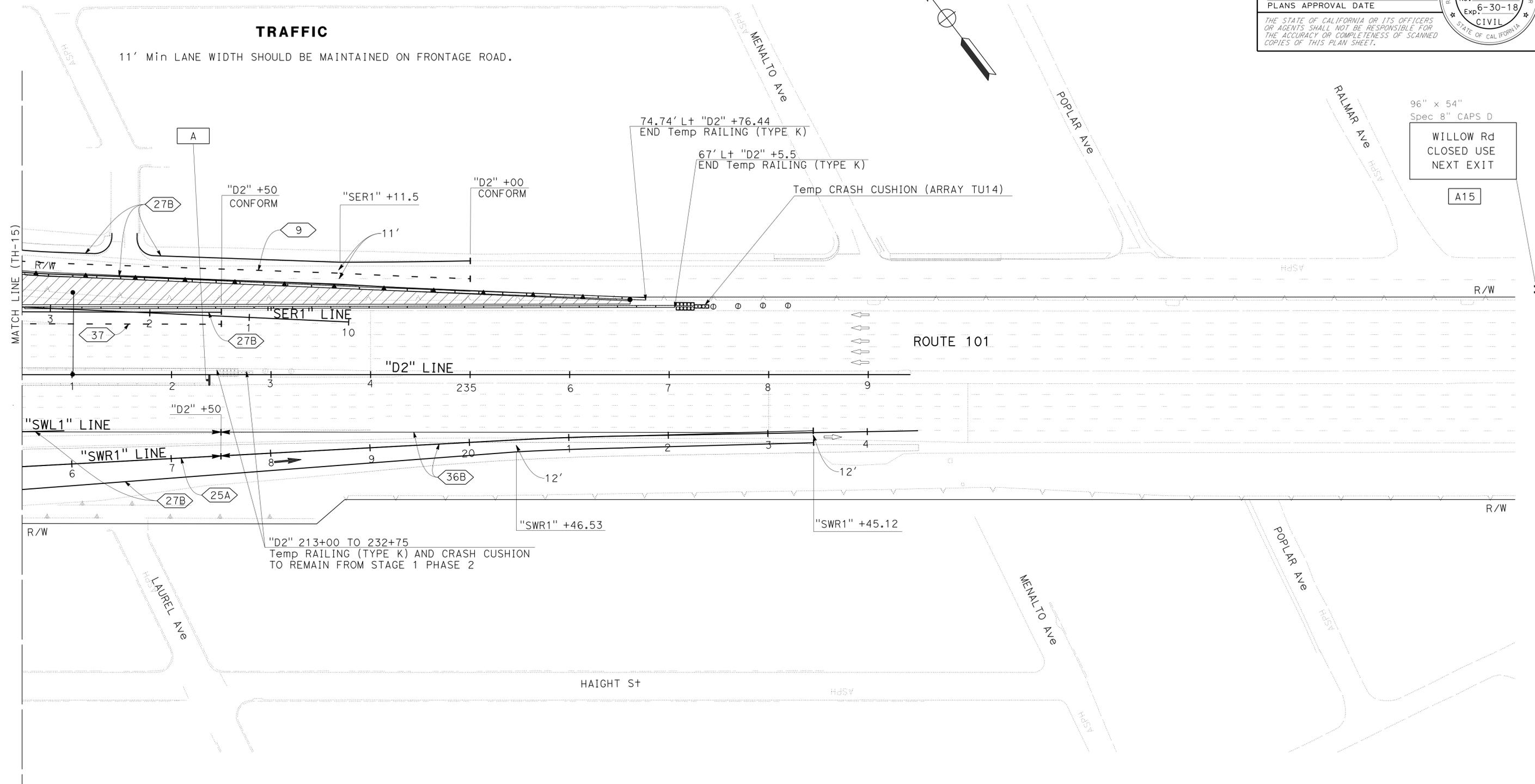
FOR NOTES AND LEGEND, SEE SHEET TH-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-26-15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	182	568
<i>Kishwar</i> 6-23-16 REGISTERED CIVIL ENGINEER DATE			Tanzeeba Kishwar No. 72668 Exp. 6-30-18 CIVIL		
6-29-16 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

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

**TRAFFIC**  
 11' Min LANE WIDTH SHOULD BE MAINTAINED ON FRONTAGE ROAD.



96" x 54"  
 Spec 8" CAPS D  
 WILLOW Rd  
 CLOSED USE  
 NEXT EXIT  
 A15

**TRAFFIC HANDLING PLAN  
 STAGE 2 PHASE 1**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE  
 SHEET TH-1

**TH-16**

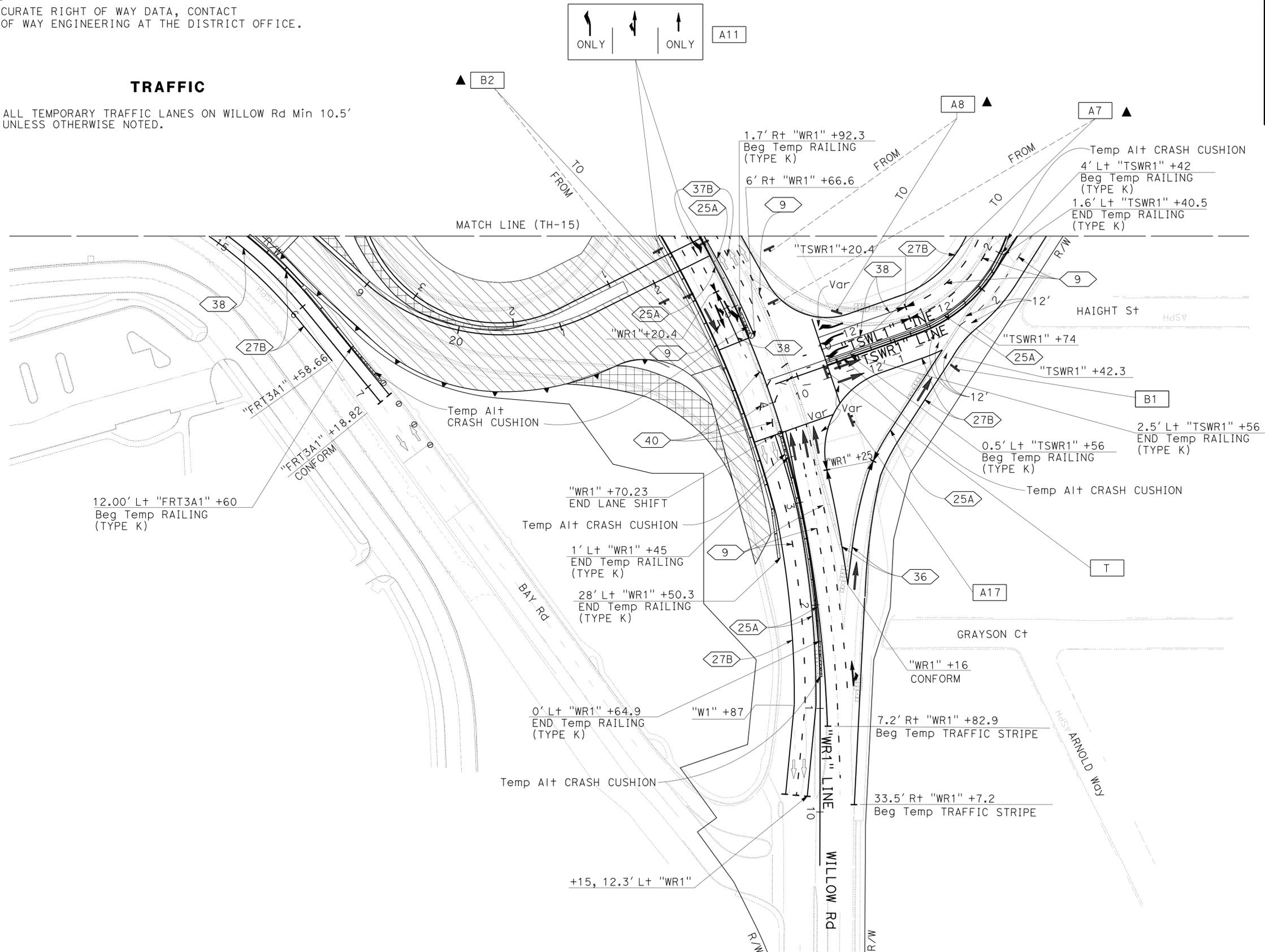
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-26-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TANZEEBA KISHWAR	REVISOR	TK	01-11-16
DESIGN	CARLOS SANDOVAL	DATE REVISOR	TK	10-26-15
FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY		
TEBLEZ NEMARTAM				

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

**TRAFFIC**

- ALL TEMPORARY TRAFFIC LANES ON WILLOW Rd Min 10.5' UNLESS OTHERWISE NOTED.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	183	568

*Kishwar* 6-23-16  
REGISTERED CIVIL ENGINEER DATE

6-29-16  
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER  
Tanzeeba Kishwar  
No. 72668  
Exp. 6-30-18  
CIVIL  
STATE OF CALIFORNIA

**TRAFFIC HANDLING PLAN  
STAGE 2 PHASE 1**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-17**

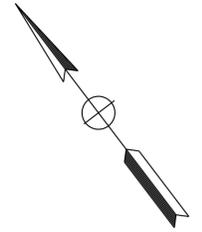
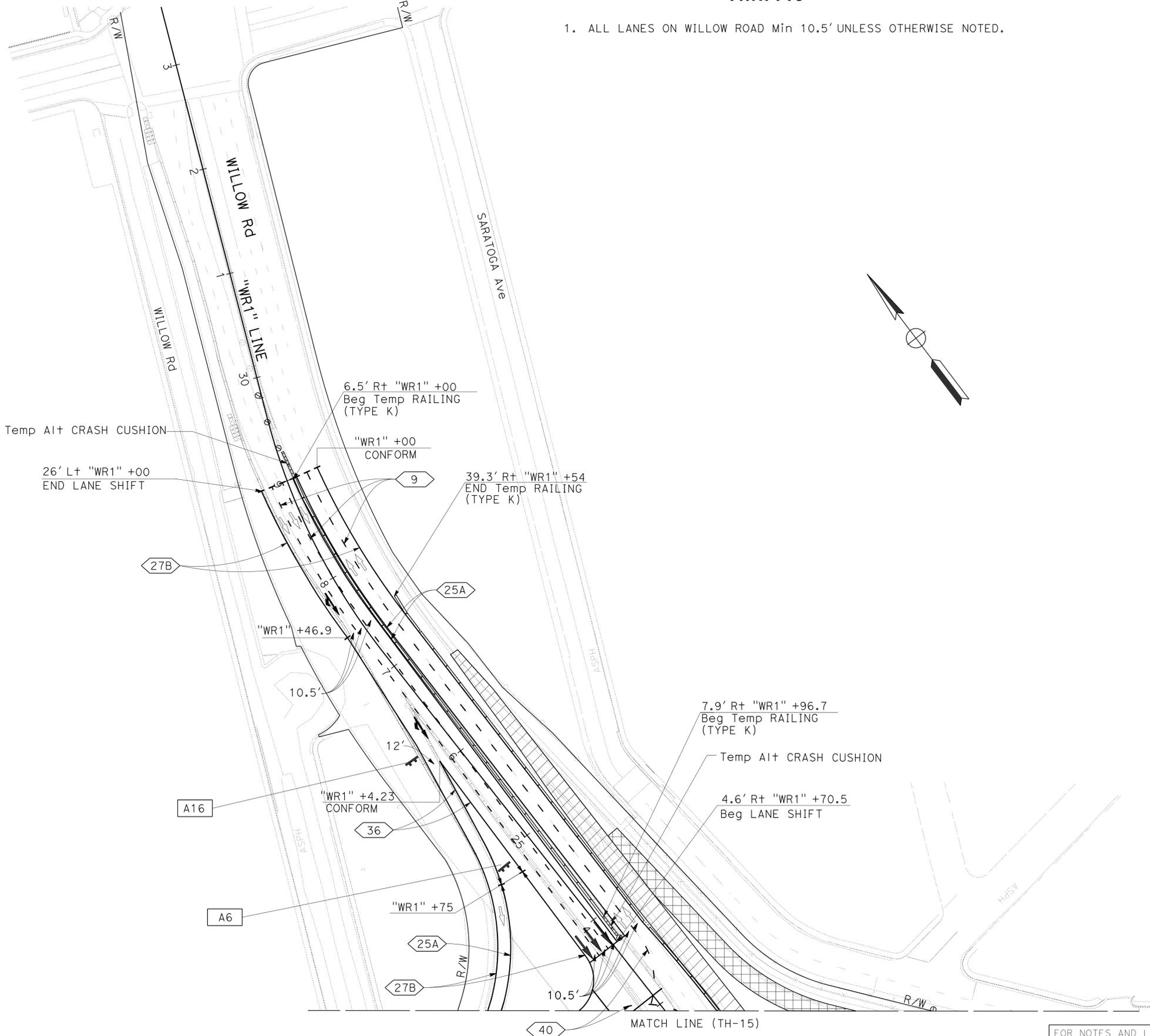
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN

FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-26-15

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

**TRAFFIC**

1. ALL LANES ON WILLOW ROAD Min 10.5' UNLESS OTHERWISE NOTED.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	184	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-18**

LAST REVISION DATE PLOTTED => 16-AUG-2016 12-22-15 TIME PLOTTED => 14:22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISED BY: TK  
 DATE REVISED: 10-26-15  
 TK  
 1-11-16

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

**TRAFFIC**

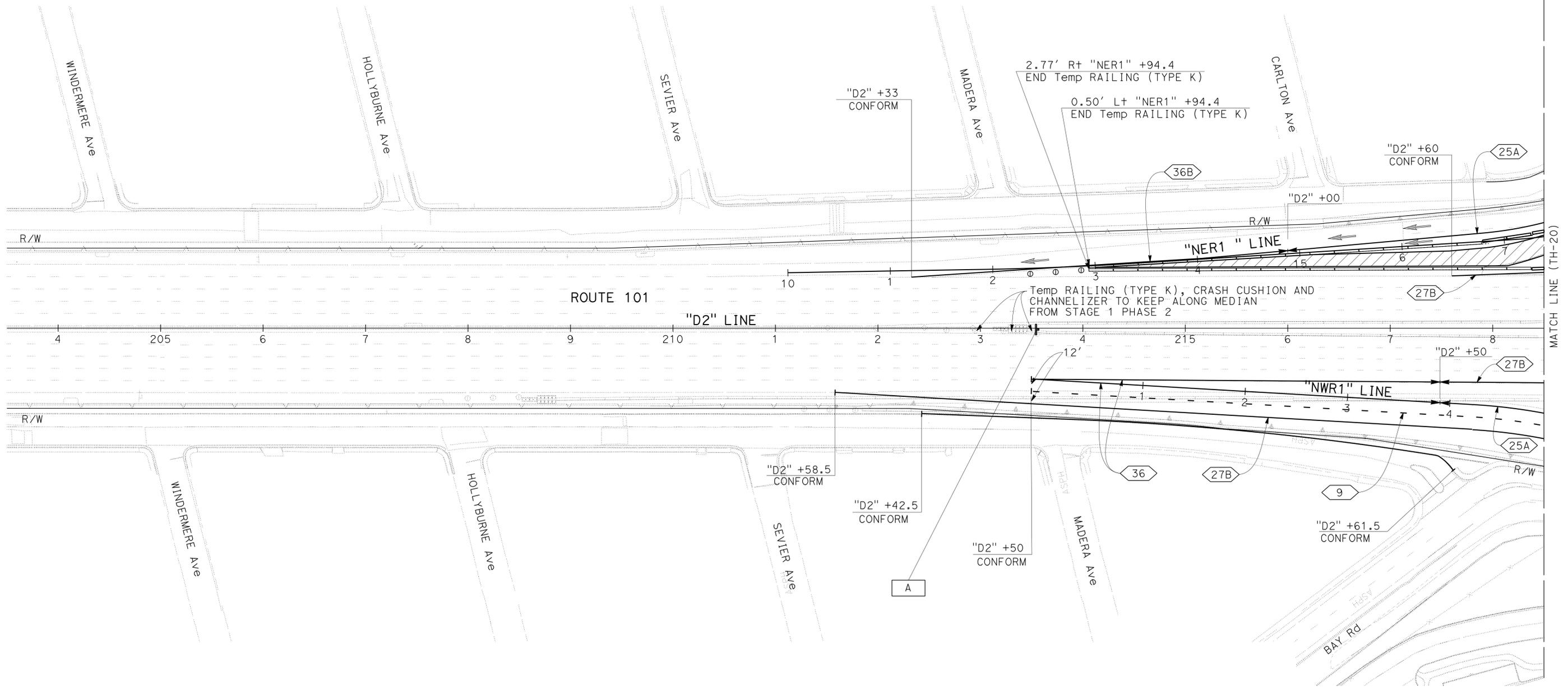
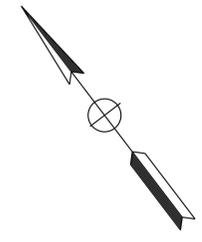
1. STRIPE 101 NB AND SB OFF-RAMPS TO PERMANENT ALIGNMENT.
2. STRIPE 101 NB AND SB PERMANENT LOOP ON-RAMPS WITH TEMPORARY STRIPE.
3. CLOSE DETOUR 1 AND DETOUR 2.
4. OPEN DETOUR 3 NB 101 TO NB WILLOW Rd OFF-RAMP AND NB WILLOW Rd TO NB 101 ON-RAMP.
5. OPEN DETOUR 4 SB 101 TO SB WILLOW Rd OFF-RAMP AND SB WILLOW Rd TO SB 101 ON-RAMP.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	185	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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**TRAFFIC HANDLING PLAN  
 STAGE 2 PHASE 2**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-19**

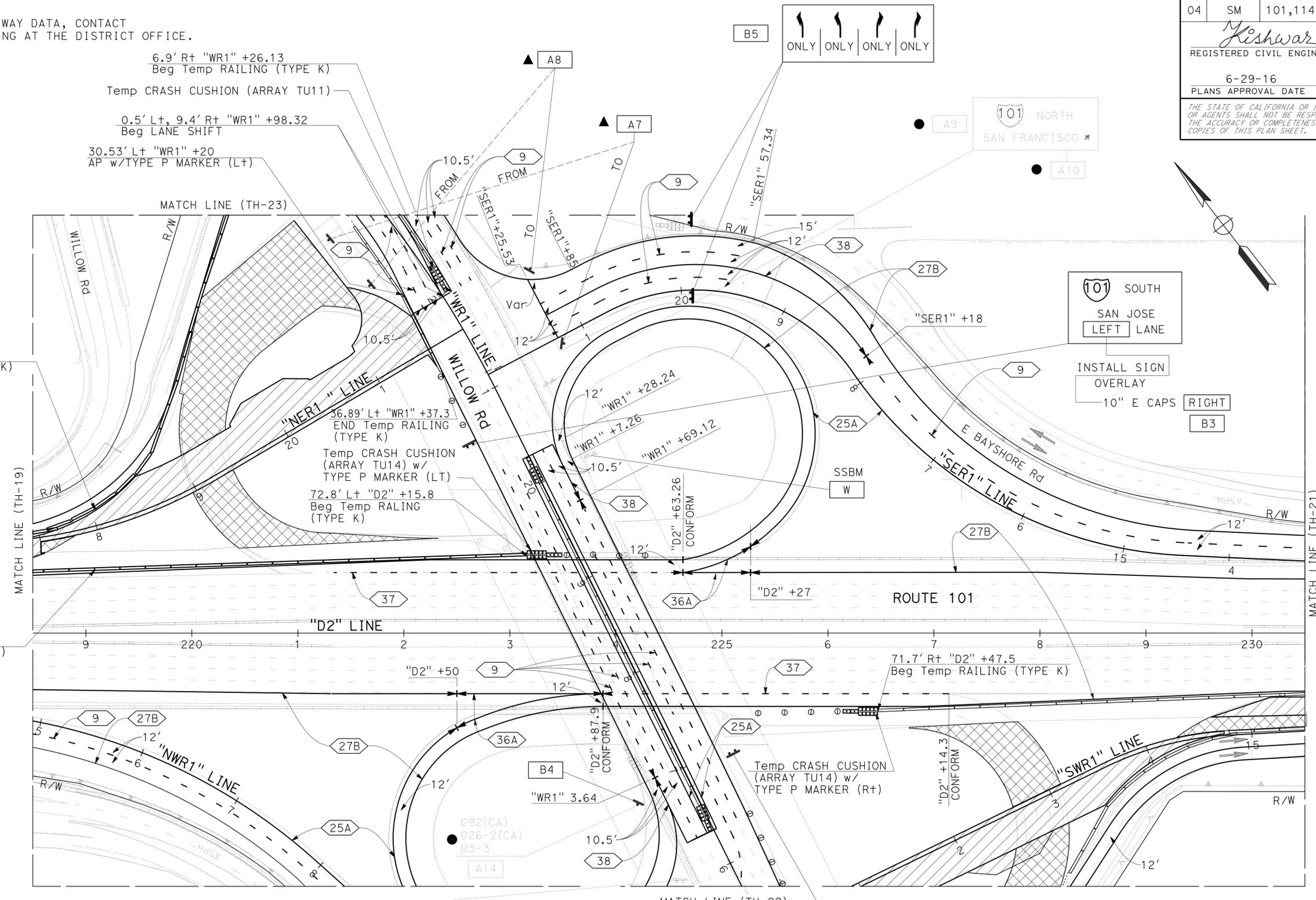
LAST REVISION DATE PLOTTED => 16-AUG-2016 07-03-15 TIME PLOTTED => 14:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	183	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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



**TRAFFIC**

- RE-ARRANGE THE Temp RAILING (TYPE K) AND Temp CRASH CUSHION ALONG "WR1" LINE AT THE MEDIAN ACCORDING TO THE NEW Temp TRAFFIC STRIPING.

**TRAFFIC HANDLING PLAN  
 STAGE 2 PHASE 2**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-20**

STATE OF CALIFORNIA	DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM	
CALCULATED/DESIGNED BY	CHECKED BY	
TANZEEBA KISHWAR	CARLOS SANDOVAL	
REVISOR	DATE	REVISION
TK	10-26-15	1-11-16



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-26-15
TK	1-11-16

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

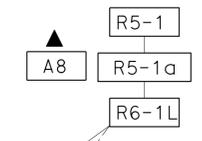
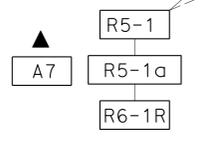
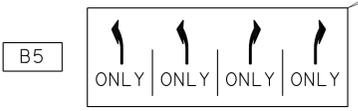
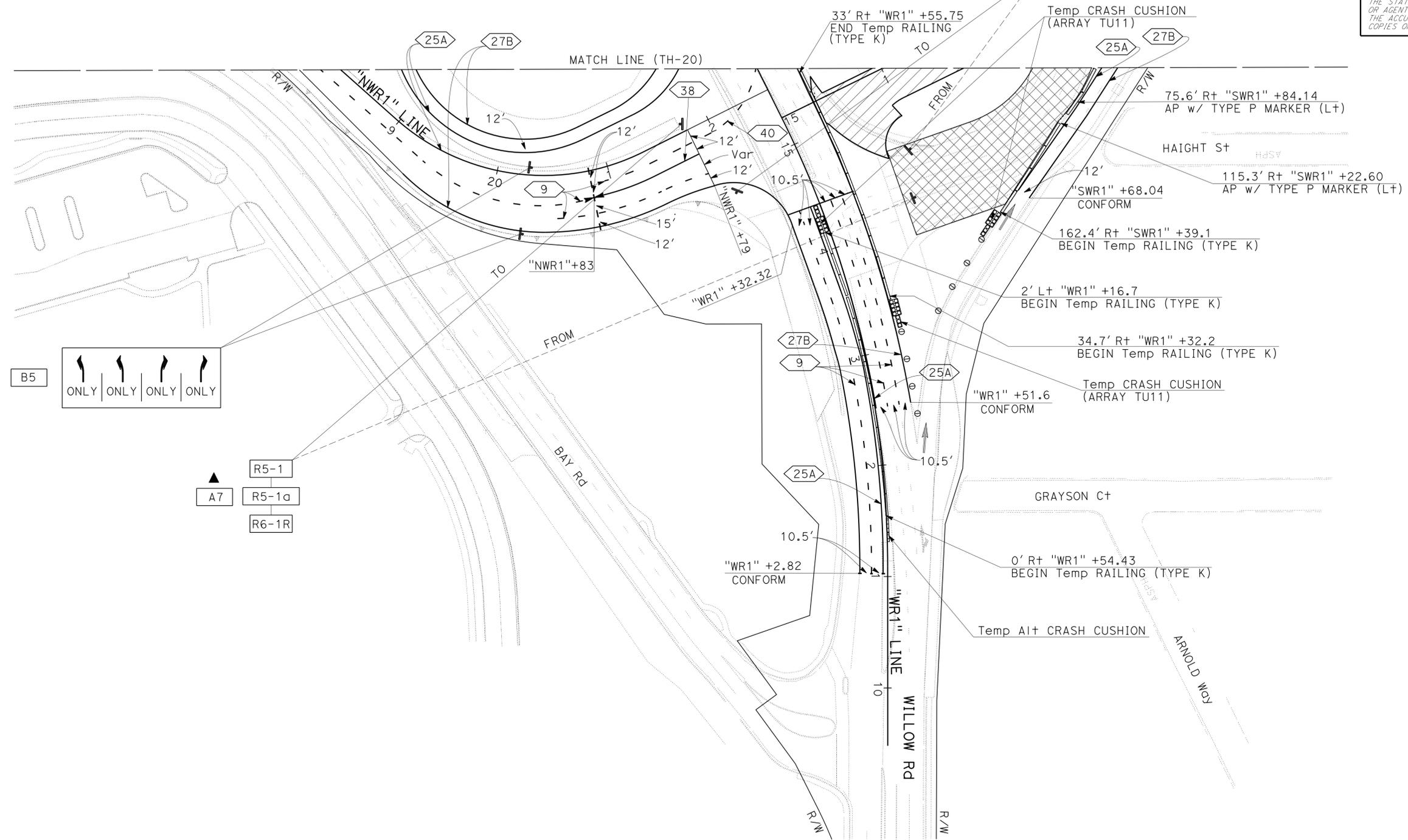
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	188	568

*Kishwar* 6-23-16  
REGISTERED CIVIL ENGINEER DATE

6-29-16  
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER  
Tanzeeba Kishwar  
No. 72668  
Exp. 6-30-18  
CIVIL  
STATE OF CALIFORNIA



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

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-22**

LAST REVISION DATE PLOTTED => 16-AUG-2016 01-11-16 TIME PLOTTED => 14:23

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	TANZEEBA KISHWAR	REVISOR	TK
	DESIGN	TEBLEZ NEMARTAM	DATE REVISION	10-26-15
Caltrans	CALCULATED/DESIGNED BY	CARLOS SANDOVAL	CHECKED BY	

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

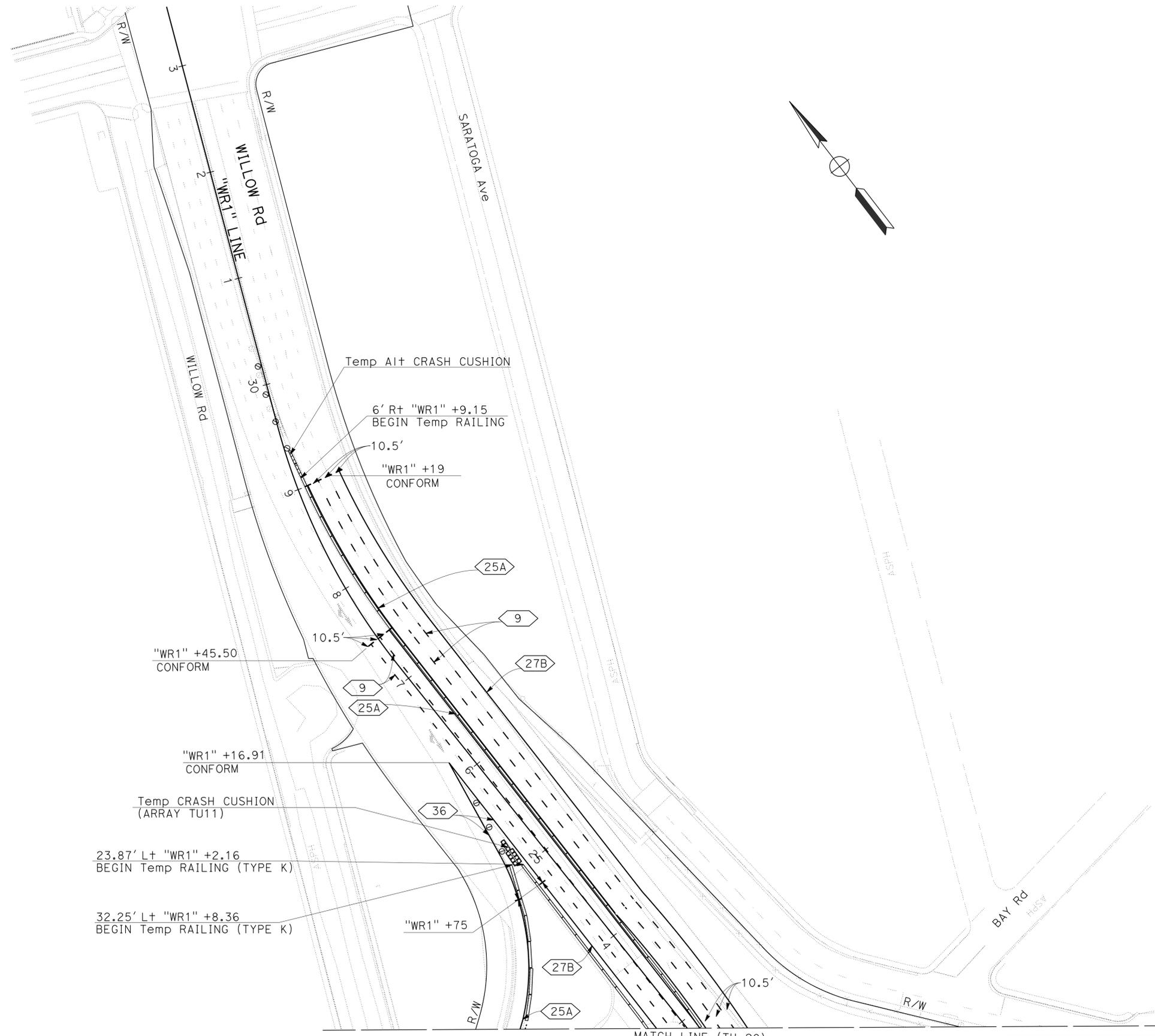
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	189	568

*Kishwar* 6-23-16  
REGISTERED CIVIL ENGINEER DATE

6-29-16  
PLANS APPROVAL DATE

Tanzeeba Kishwar  
No. 72668  
Exp. 6-30-18  
CIVIL

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.



MATCH LINE (TH-20)

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TRAFFIC HANDLING PLAN  
STAGE 2 PHASE 2**

SCALE: 1" = 50'

**TH-23**

LAST REVISION DATE PLOTTED => 16-AUG-2016 12-22-15 TIME PLOTTED => 14:23

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: TANZEEBA KISHWAR  
 CHECKED BY: CARLOS SANDOVAL  
 REVISIONS: TK 10-26-15

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

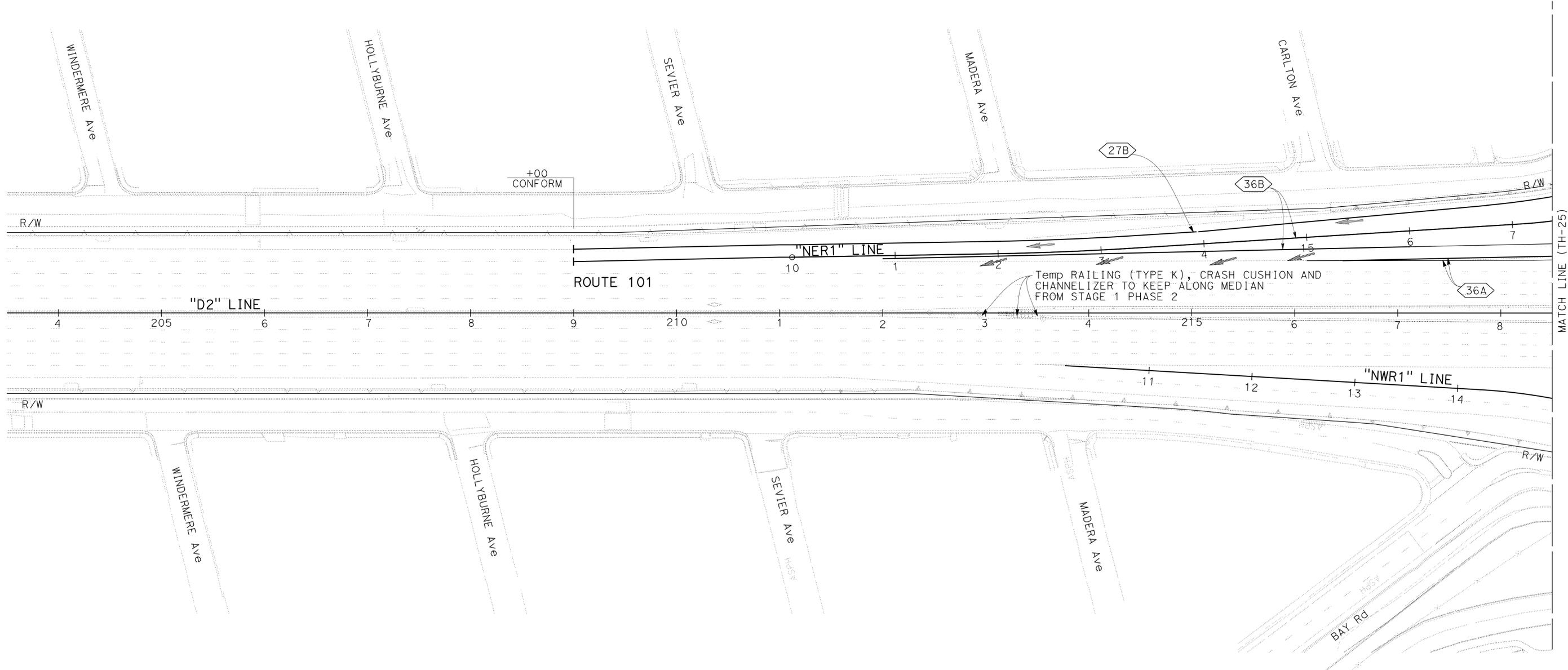
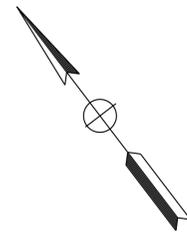
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	190	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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**TRAFFIC HANDLING PLAN  
 STAGE 3 PHASE 1**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-24**

LAST REVISION DATE PLOTTED => 16-AUG-2016 12-02-15 TIME PLOTTED => 14:23

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CHECKED BY: CARLOS SANDOVAL  
 DESIGNED BY: TANZEEBA KISHWAR  
 REVISIONS: TK 10-26-15  
 REVISIONS: DATE REVISION

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

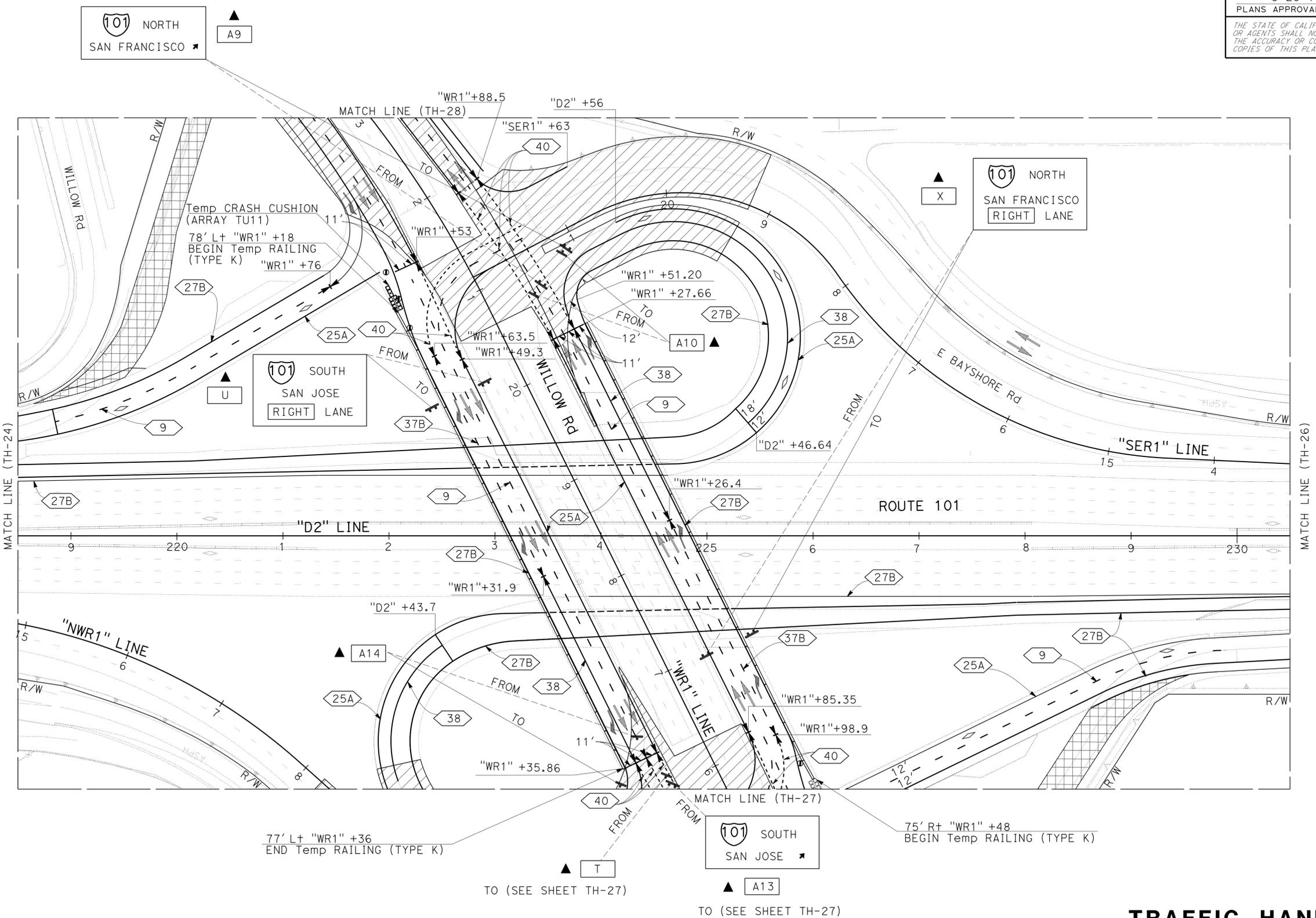
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	191	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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**TRAFFIC HANDLING PLAN  
 STAGE 3 PHASE 1**

SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-25**



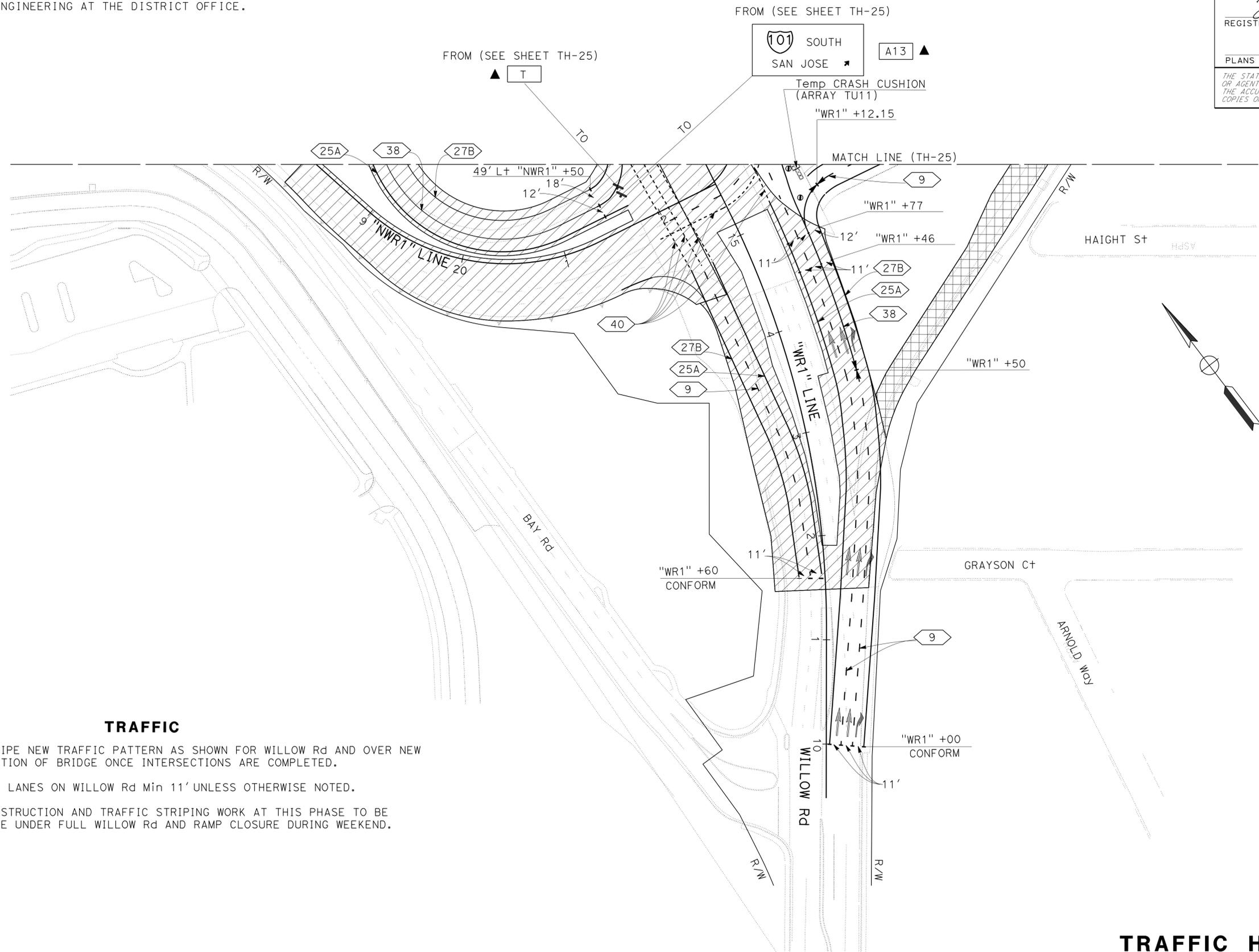
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	193	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE  
 6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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



**TRAFFIC**

1. STRIPE NEW TRAFFIC PATTERN AS SHOWN FOR WILLOW Rd AND OVER NEW PORTION OF BRIDGE ONCE INTERSECTIONS ARE COMPLETED.
2. ALL LANES ON WILLOW Rd Min 11' UNLESS OTHERWISE NOTED.
3. CONSTRUCTION AND TRAFFIC STRIPING WORK AT THIS PHASE TO BE DONE UNDER FULL WILLOW Rd AND RAMP CLOSURE DURING WEEKEND.

**TRAFFIC HANDLING PLAN  
 STAGE 3 PHASE 1  
 SCALE: 1" = 50'**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARIAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISED BY	DATE REVISED
TK	10-26-15

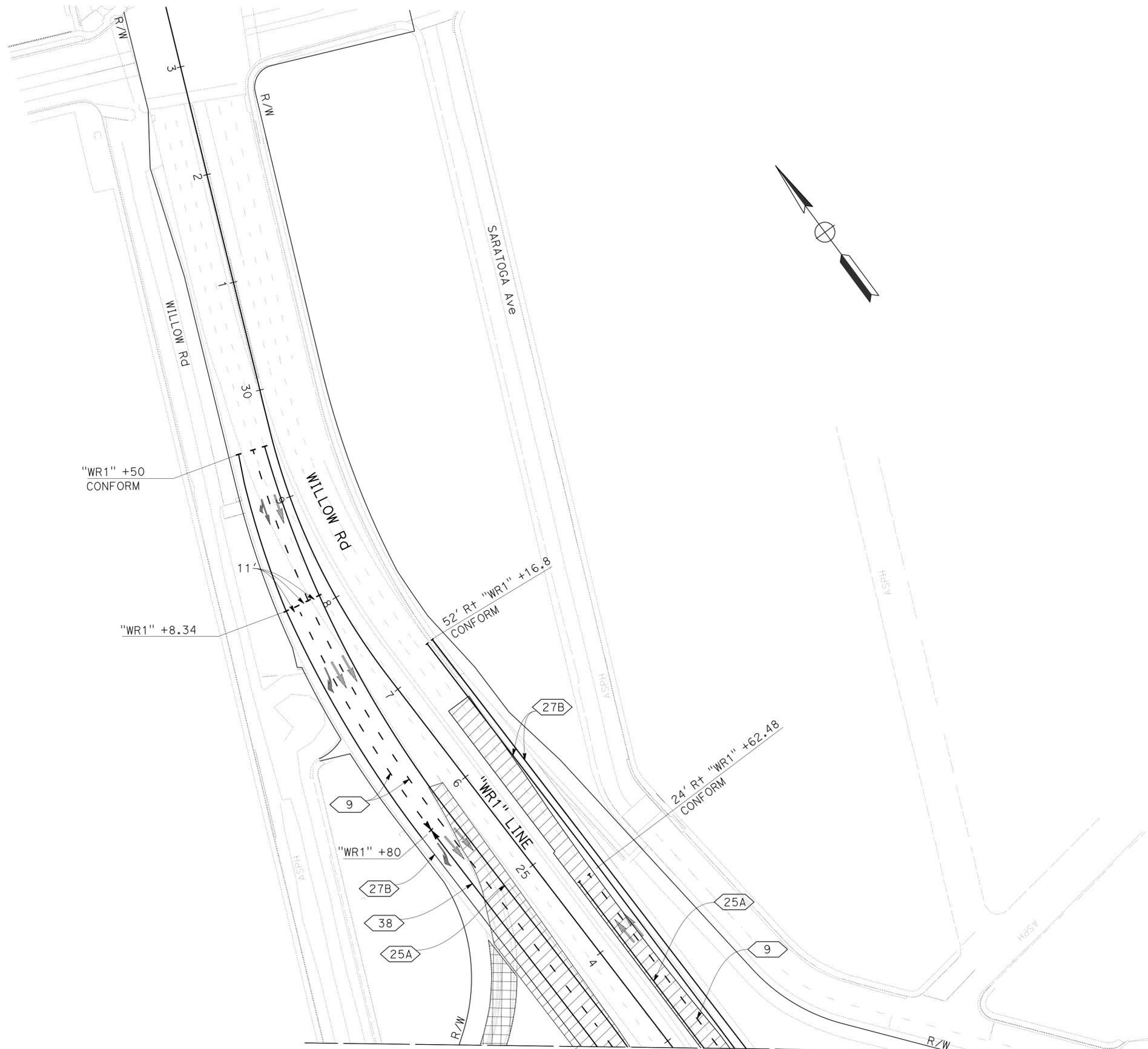
APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

TH-27

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	TANZEEBA KISHWAR	REVISOR	TK
			CHECKED BY	CARLOS SANDOVAL	DATE REVISED
Caltrans®	DESIGN				

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



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	194	568
Kishwar			6-23-16		
REGISTERED CIVIL ENGINEER			DATE		
6-29-16			PLANS APPROVAL DATE		
Tanzeeba Kishwar			No. 72668	Exp. 6-30-18	
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.					

**TRAFFIC HANDLING PLAN**  
**STAGE 3 PHASE 1**  
SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-28**

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

FUNCTIONAL SUPERVISOR TEBLEZ NEMARTAM	CALCULATED-DESIGNED BY CHECKED BY	TANZEEBA KISHWAR CARLOS SANDOVAL	REVISED BY DATE REVISED	TK 10-26-15
--	--------------------------------------	-------------------------------------	----------------------------	----------------

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

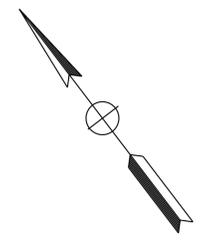
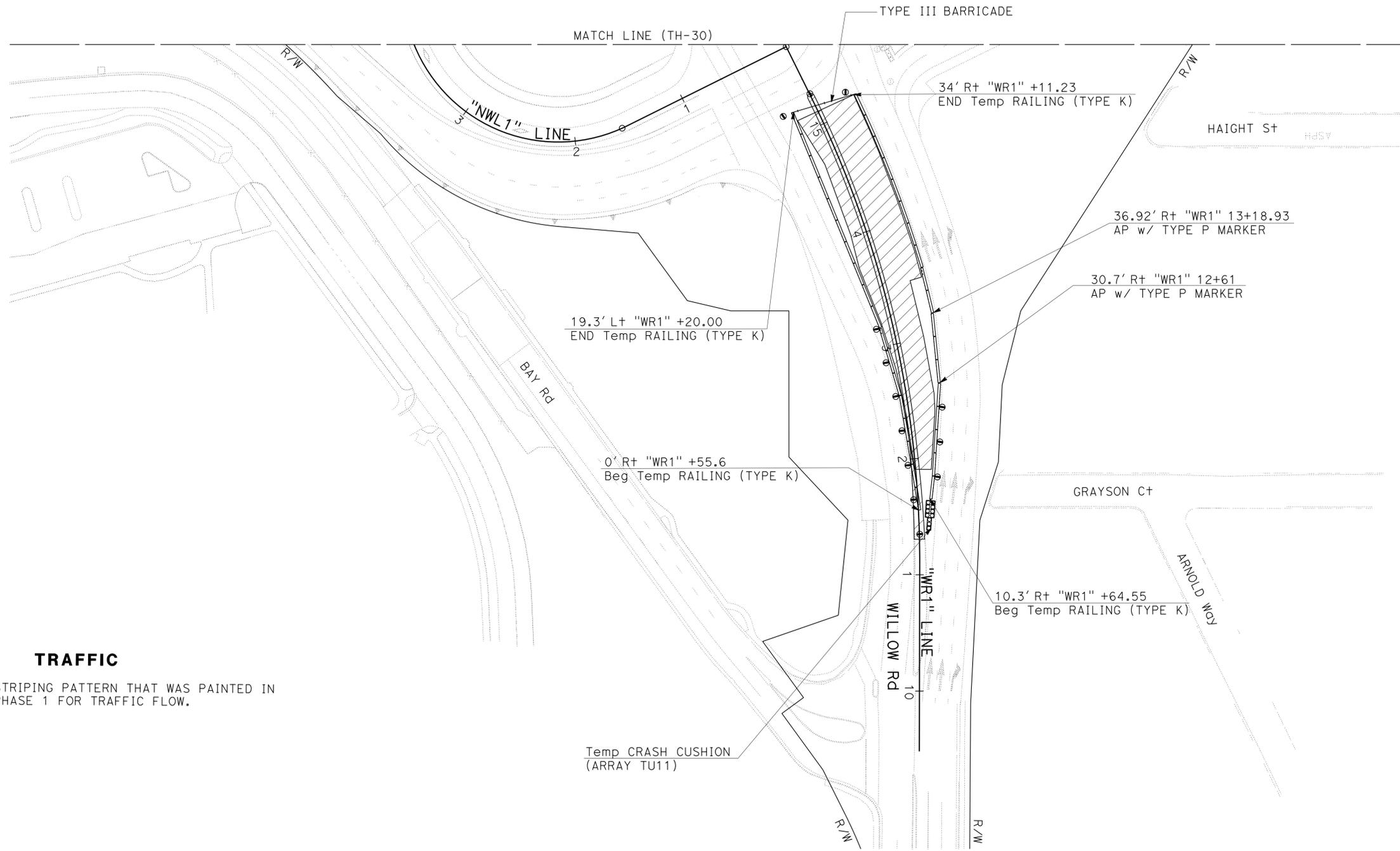
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	195	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL  
 STATE OF CALIFORNIA

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**TRAFFIC**  
 1. UTILIZE STRIPING PATTERN THAT WAS PAINTED IN  
 STAGE 3 PHASE 1 FOR TRAFFIC FLOW.

**TRAFFIC HANDLING PLAN**  
**STAGE 3 PHASE 2**  
 SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE  
 SHEET TH-1

**TH-29**

LAST REVISION DATE PLOTTED => 16-AUG-2016 06-30-15 TIME PLOTTED => 14:23

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

FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR	DATE
TEBLEZ NEMARTAM	TANZEEBA KISHWAR	TK	1-11-16
CHECKED BY	CARLOS SANDOVAL	TK	10-26-15
CALCULATED BY			

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

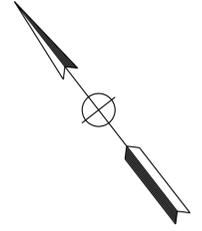
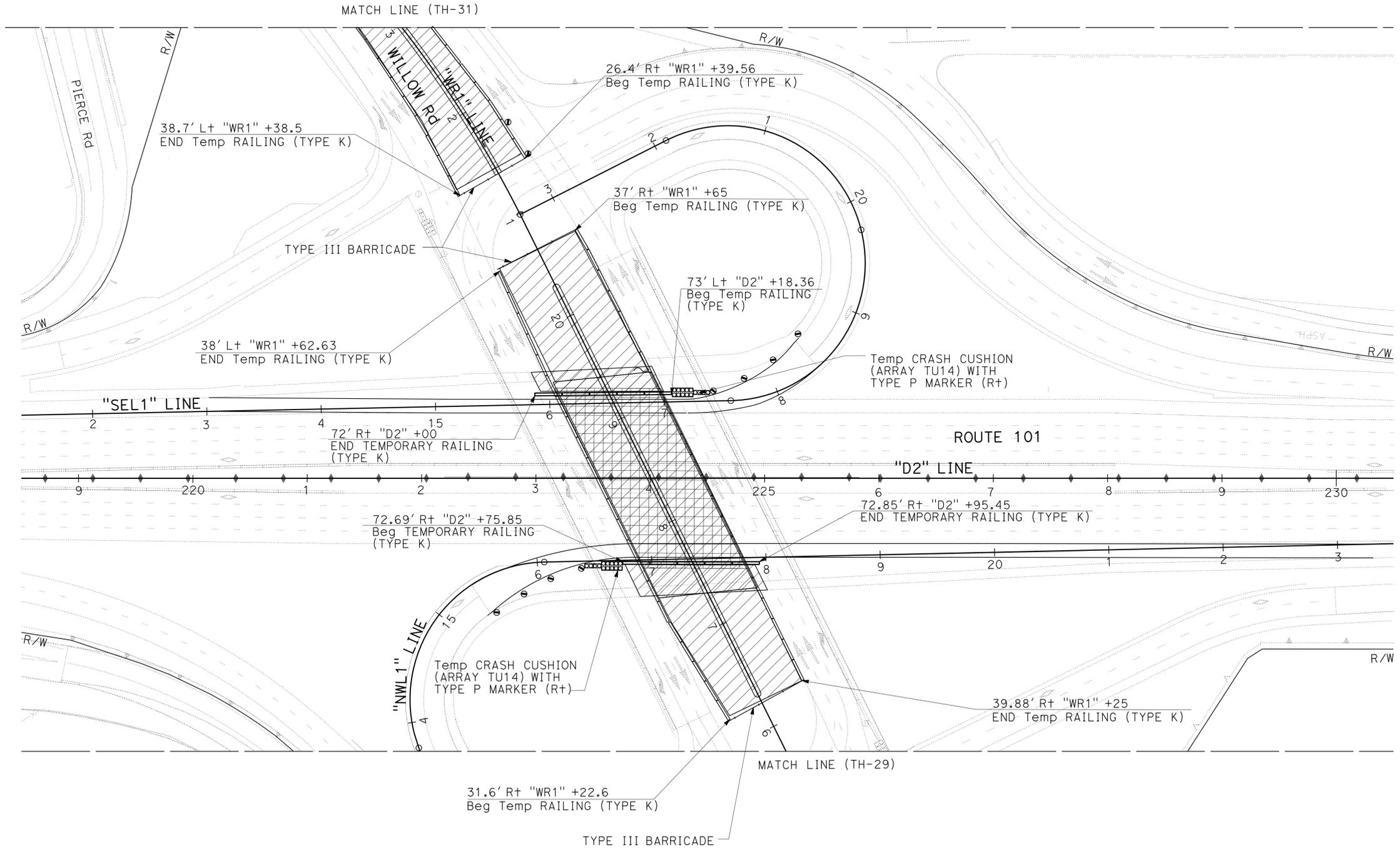
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	196	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

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**TRAFFIC HANDLING PLAN  
 STAGE 3 PHASE 2**

SCALE: 1" = 50'

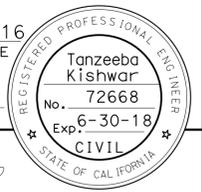
APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

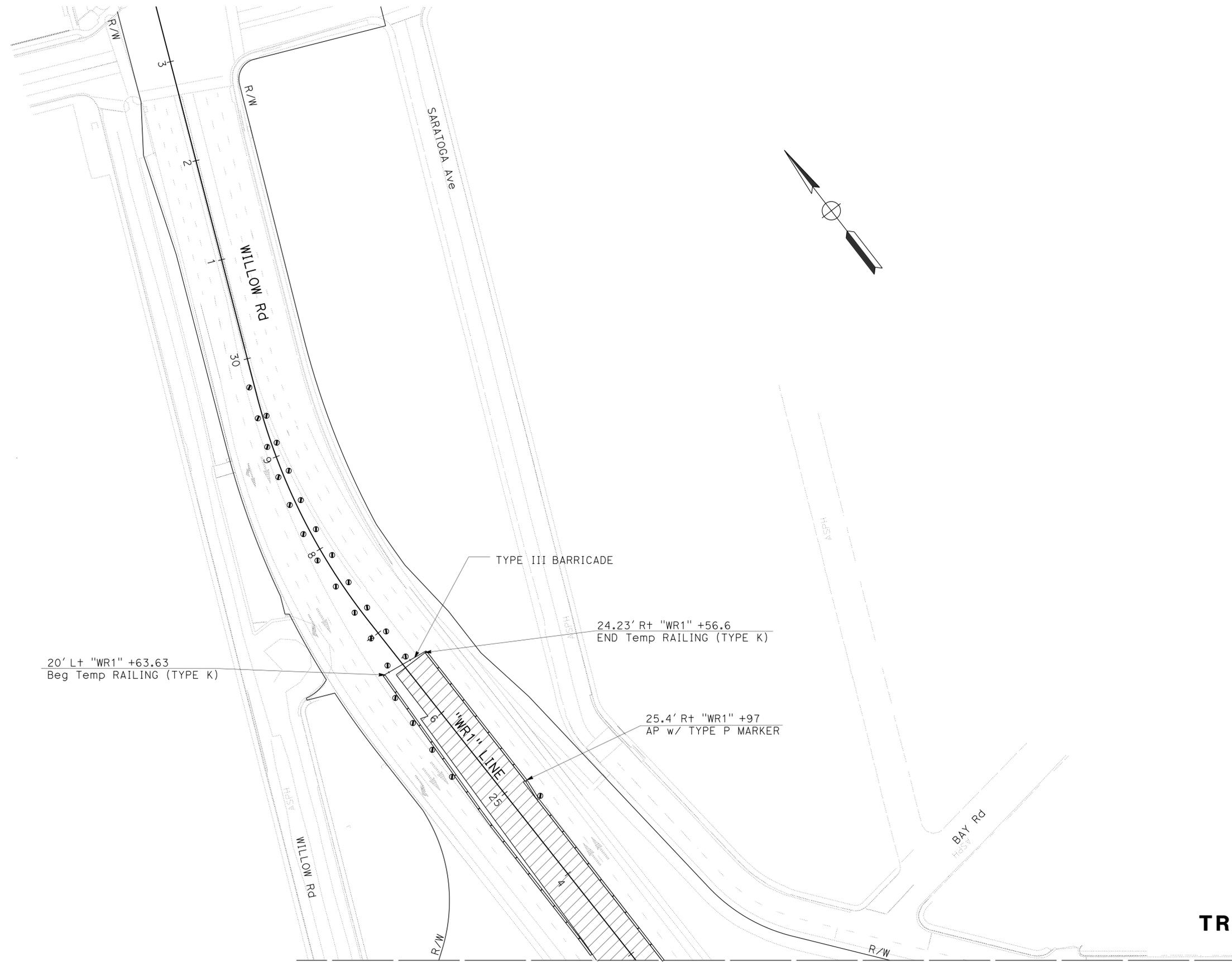
**TH-30**

LAST REVISION DATE PLOTTED => 16-AUG-2016  
 01-11-16 TIME PLOTTED => 14:23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	197	568
			<i>Kishwar</i> 6-23-16 REGISTERED CIVIL ENGINEER DATE		
			6-29-16 PLANS APPROVAL DATE		
			THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		



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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED-DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISED BY	DATE REVISED
TK	10-26-15

**TRAFFIC HANDLING PLAN  
 STAGE 3 PHASE 2**

SCALE: 1" = 50'

MATCH LINE (TH-30)  
 APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE  
 SHEET TH-1

**TH-31**

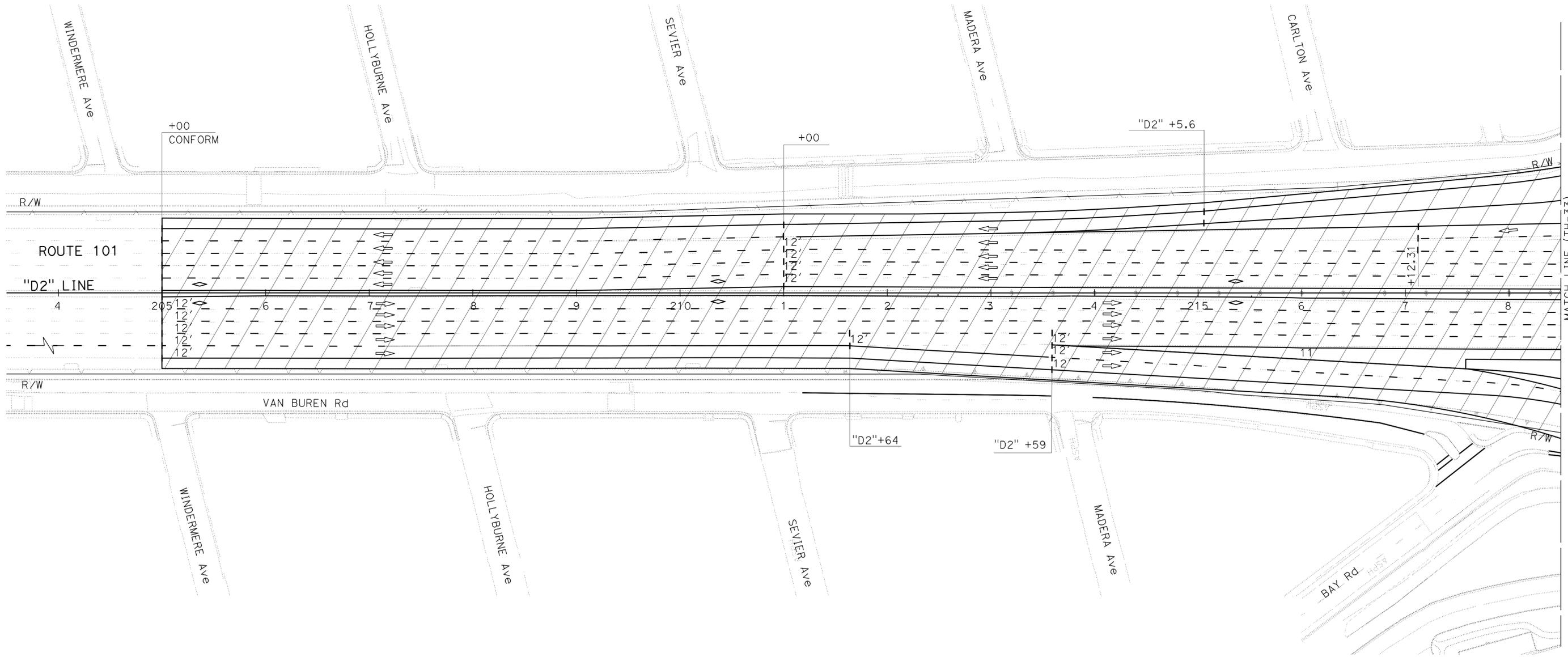
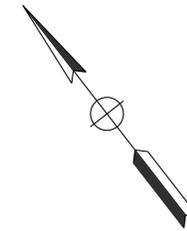
LAST REVISION DATE PLOTTED => 16-AUG-2016 06-30-15 TIME PLOTTED => 14:23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	198	568
		<i>Kishwar</i> 6-23-16 REGISTERED CIVIL ENGINEER DATE		Tanzeeba Kishwar No. 72668 Exp. 6-30-18 CIVIL	
		6-29-16 PLANS APPROVAL DATE			
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

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

**TRAFFIC**

1. AFTER FINAL RHMA OVERLAY THROUGHOUT THE ENTIRE PROJECT, STRIPE WILLOW ROAD, ROUTE 101 NB AND SB, NB AND SB ON/OFF-RAMPS TO FINAL STRIPING PATTERN.
2. ALL LANES ARE 12' UNLESS OTHERWISE NOTED.
3. SEE PAVEMENT DELINEATION PLAN (PD-1 TO PD-5) FOR LANE WIDTH AND STRIPING PATTERN.



**TRAFFIC HANDLING PLAN  
 STAGE 4**

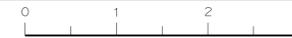
SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-32**

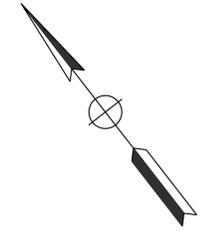
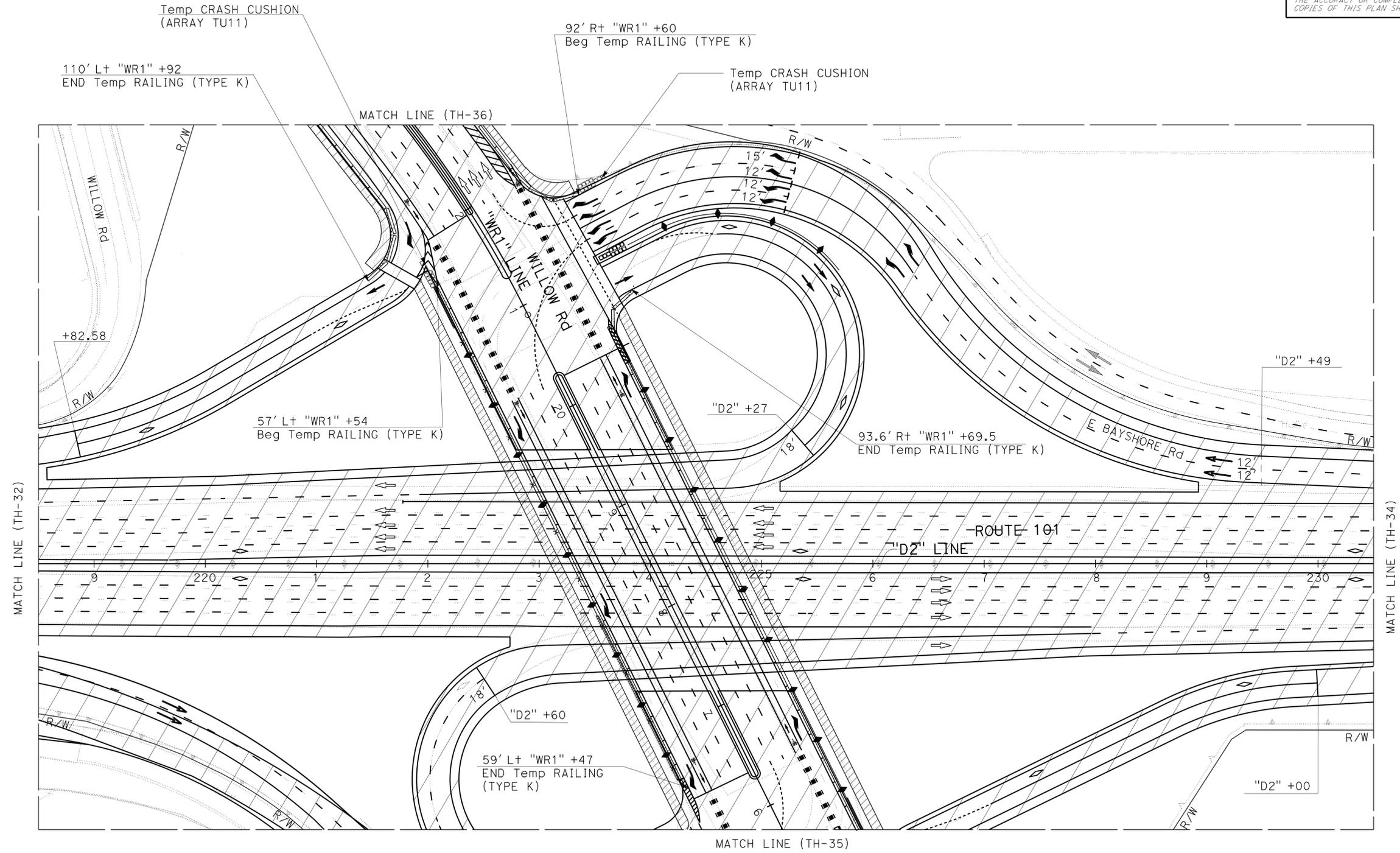
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	TEBLEZ NEMARTAM
CALCULATED/DESIGNED BY	CHECKED BY
TANZEEBA KISHWAR	CARLOS SANDOVAL
REVISOR	DATE
TK	10-26-15



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CALCULATED/DESIGNED BY: [blank] CHECKED BY: [blank]  
 TANZEEBA KISHWAR CARLOS SANDOVAL  
 REVISED BY: [blank] DATE REVISED: [blank]  
 TK 10-26-15  
 TK 1-11-16

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	199	568
Kishwar			6-23-16	REGISTERED CIVIL ENGINEER DATE	
6-29-16			PLANS APPROVAL DATE		
REGISTERED PROFESSIONAL ENGINEER Tanzeeba Kishwar No. 72668 Exp. 6-30-18 CIVIL STATE OF CALIFORNIA					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



**TRAFFIC HANDLING PLAN**  
**STAGE 4**  
 SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-33**

LAST REVISION DATE PLOTTED => 16-AUG-2016 01-11-16 TIME PLOTTED => 14:23

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

FUNCTIONAL SUPERVISOR: TEBLEZ NEMARTAM  
 CHECKED BY: CARLOS SANDOVAL  
 DESIGNED BY: TANZEEBA KISHWAR  
 REVISIONS: TK 10-26-15

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

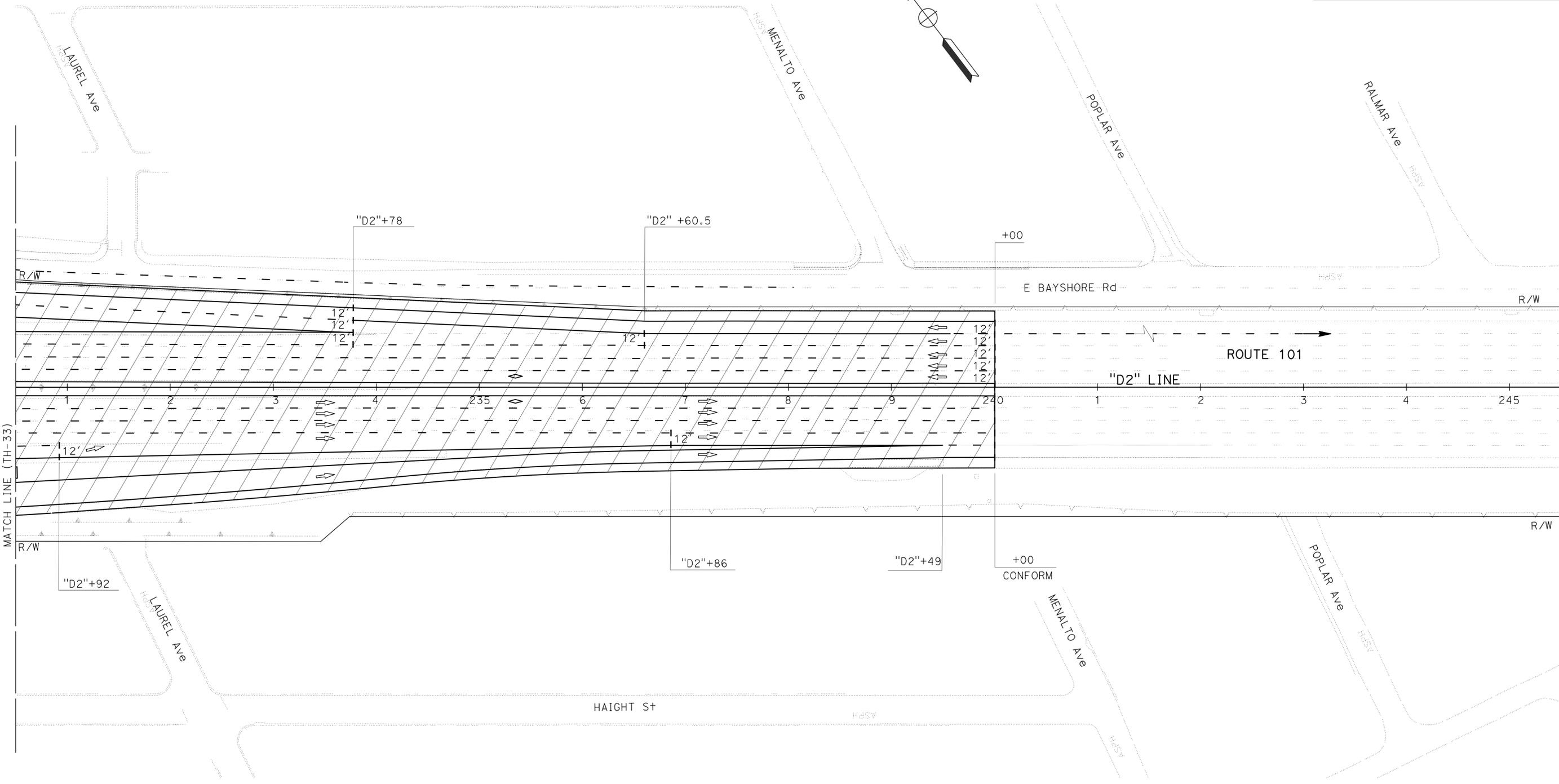
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101,114	1.3/2.5, 5.0/5.3'	200	568

*Kishwar* 6-23-16  
 REGISTERED CIVIL ENGINEER DATE

6-29-16  
 PLANS APPROVAL DATE

Tanzeeba Kishwar  
 No. 72668  
 Exp. 6-30-18  
 CIVIL

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**TRAFFIC HANDLING PLAN**  
**STAGE 4**  
 SCALE: 1" = 50'

APPROVED FOR TRAFFIC HANDLING WORK ONLY

FOR NOTES AND LEGEND, SEE SHEET TH-1

**TH-34**

LAST REVISION DATE PLOTTED => 16-AUG-2016 07-06-15 TIME PLOTTED => 14:23