Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	168	T29.0/T29.4	5	56

Amit Nijhawan - 07/07/14
REGISTERED CIVIL ENGINEER DATE

1-26-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER AMIT NIJHAWAN No. 78061 Exp. 9-30-15 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.

5 ~~NOTE:~~
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. 5 ALL SLOPES IN EMBANKMENT STEEPER THAN 2:1 NEEDS TO BE COMPACTED AT 95% RELATIVE DENSITY.

5 **REPLACED PER ADDENDUM No. 5 DATED JULY 24, 2015**

CURVE DATA

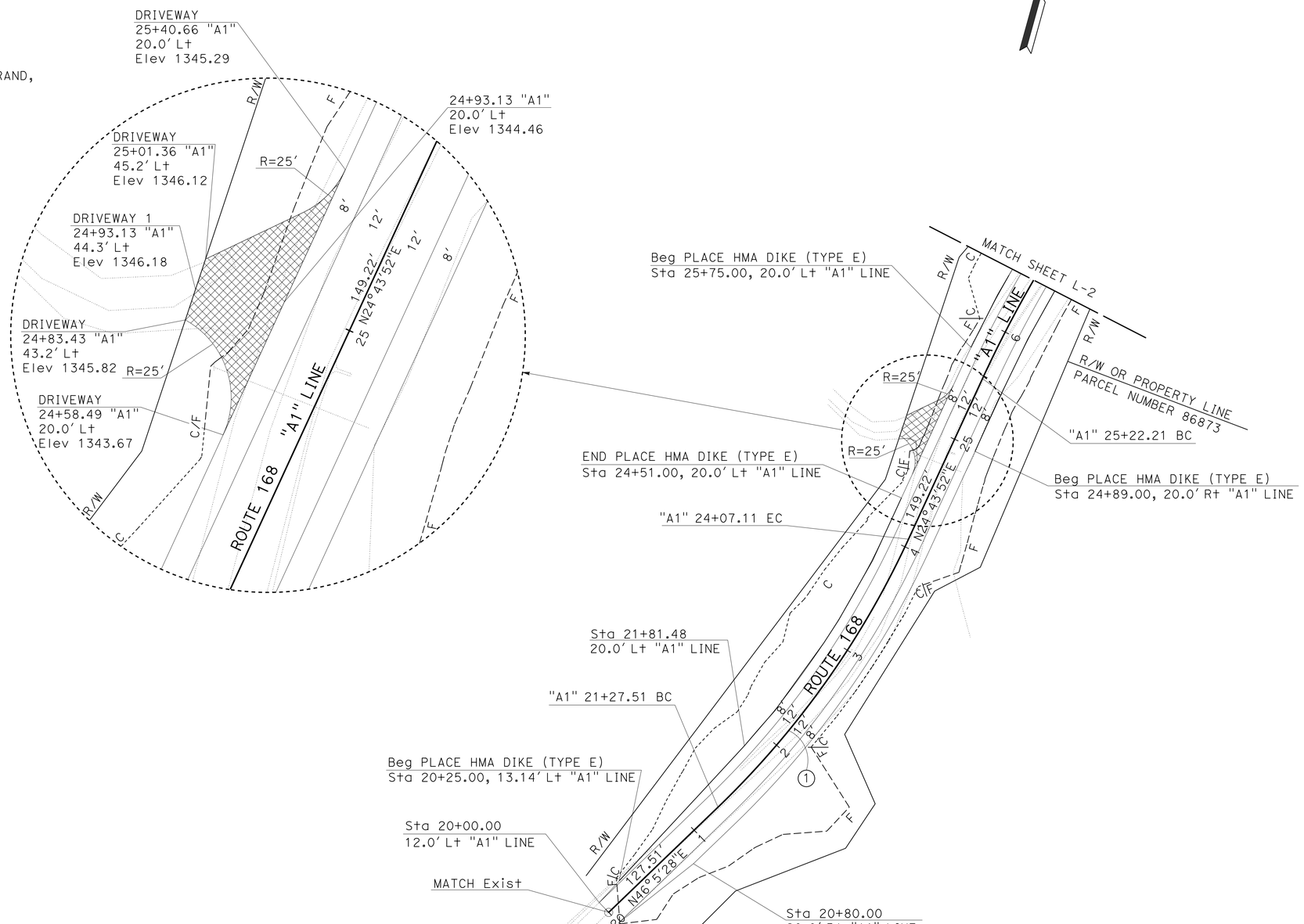
No. (X)	R	Δ	T	L
1	750′	21°21′36"	141.44′	279.60′

LEGEND:

FENCE (TYPE BW, 5-STRAND, METAL POSTS)

DRIVEWAY
0.25′ HMA (TYPE A)
0.50′ CL2 AB

0.55′ ROADWAY Exc



SCALE: 1"=50′

LAYOUT L-1

REVISED BY	DATE REVISED

MAZEN NATAFJI	AMIT NIJHAWAN
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	ARTHUR RAMIREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 01-26-15
DATE PLOTTED => 23-JUL-2015
TIME PLOTTED => 15:09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	168	T29.0/T29.4	29	56

REGISTERED CIVIL ENGINEER DATE 07/07/14

1-26-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER AMIT NIJHAWAN No. 78061 Exp. 9-30-15 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.

ROADWAY QUANTITIES

DIRECTION	DESCRIPTION	LOCATION	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	SHOULDER BACKING	ROCK EXCAVATION (CONTROLLED BLASTING)	HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGATE BASE	TACK COAT	PLACE HOT MIX ASPHALT DIKE (TYPE E)	ROADWAY EXCAVATION	IMPORTED BORROW	EMBANKMENT (N)	FENCE (TYPE BW, 5-STRAND, METAL POST)	REMOVE FENCE
			TON	TON	CY	TON	CY	TON	LF	CY	CY	CY	LF	LF
EB & WB	Rte 168	PM 29.0/PM 29.4	1100	300		2000	1850	1		1820	~~7960~~	9780		
EB & WB	Rte 168 SAFETY EDGE	PM 29.0/PM 29.4	14.32								8230			
WB	Rte 168 DIKE TYPE E	20+25.00 TO 24+51.00				6.5			426		5			
WB	Rte 168 DIKE TYPE E	25+75.00 TO 27+40.00				4.5			165					
WB	Rte 168 DIKE TYPE E	33+50.00 TO 34+00.00				1.5			50					
WB	Rte 168 DIKE TYPE E	35+50.00 TO 37+00.00				4.0			150					
EB	Rte 168 DIKE TYPE E	24+89.00 TO 31+94.33				18.5			705					
EB	Rte 168 DIKE TYPE E	33+34.99 TO 35+40.00				6.0			205					
WB	Rte 168 20+00.00 TO 37+91.94	20+00.00 TO 37+91.94			5150									
EB	Rte 168 20+00.00 TO 37+91.94	20+00.00 TO 37+91.94			1450									
WB	Rte 168 27+72.88 TO 31+51.18	27+72.88 TO 31+51.18											403	
EB	Rte 168 TEMPORARY FENCE	35+84.51 TO 37+83.48												
EB & WB	Rte 168 30+00.00 TO 35+75.00	30+00.00 TO 35+75.00								620		620		
EB & WB	Rte 168 35+75.00 TO 37+91.94	35+75.00 TO 37+91.94								240		240		
WB	Rte 168 28+15.65 TO 30+50.00	28+15.65 TO 30+50.00												234
EB	Rte 168 DRIVEWAY	24+58.48 TO 25+40.65				22.0	22							
WB	Rte 168 DRIVEWAY	31+94.33 TO 33+94.99				77.0	76							
EB & WB	HMA OVERSIDE DRAIN	PM 29.0/PM 29.4				2.5								
		TOTAL	1114.32	300	6600	2143	1948	1	1701	2680	~~7960~~ 8230		403	234

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

5 REPLACED PER ADDENDUM No. 5 DATED JULY 24, 2015

TEMPORARY FENCE AND FIBER ROLL

DIRECTION	LOCATION	Temp FIBER ROLL	Temp FENCE (TYPE ESA)
		LF	LF
EB & WB	Sta 20+00.00 TO Sta 37+91.94	6430	
EB	Sta 35+84.51 TO Sta 37+55.81		196
EB	Sta 28+00.00		50
EB	Sta 29+00.00		50
EB	Sta 30+00.00		50
	TOTAL	6430	346

SAFETY EDGE

5

DIRECTION	LOCATION	SAFETY EDGE (N)	RUBBERIZED HOT MIX * ASPHAULT(GAP GRADED)
		LF	TON*
WB	Rte 168 Sta 20+00 TO 20+25	25	0.19
WB	Rte 168 Sta 24+51 TO 25+75	124	0.94
WB	Rte 168 Sta 27+40 TO 33+50	610	4.64
WB	Rte 168 Sta 34+00 TO 35+50	150	1.14
WB	Rte 168 Sta 37+00 TO 37+91.94	91.94	0.70
EB	Rte 168 Sta 20+00 TO 24+89	489	3.72
EB	Rte 168 Sta 31+94.33 TO 33+34.99	140.66	1.07
EB	Rte 168 Sta 35+40 TO 37+91.94	251.94	1.92
	TOTAL		14.32

(N)-NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
*-INCLUDED IN ROADWAY QUANTITY TABLE.

SHOULDER RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)

DIRECTION	LOCATION	WESTBOUND (INSIDE SHOUDLER)	EASTBOUND (INSIDE SHOUDLER)
		Sta	Sta
WB	Rte 168 Sta 21+97.73 TO 37+25.83	15.3497	
EB	Rte 168 Sta 21+97.73 TO 37+25.83		15.2810
	SUBTOTAL	15.3497	15.2810
	TOTAL	30.631	

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
FUNCTIONAL SUPERVISOR ARTHUR RAMIREZ
CALCULATED-DESIGNED BY AMIT NIJHAWAN
CHECKED BY AMIT NIJHAWAN
REVISED BY
DATE REVISED

LAST REVISION 01-07-15
DATE PLOTTED => 24-JUL-2015
TIME PLOTTED => 09:12