Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	246	12.3/R16.7	175	356

APURVA N GOKAL III 9-29-14
REGISTERED CIVIL ENGINEER DATE

9-29-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER A.N. GOKAL No. 61979 Exp. 09-30-15 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.

SUMMARY OF DRAINAGE QUANTITIES

DRAINAGE QUANTITIES SHEET No.	MINOR CONCRETE (MINOR Str)	(N) STRUCTURE EXCAVATION	Misc IRON & STEEL	(N) FRAME AND GRATE	(N) STRUCTURE BACKFILL	STRUCTURE Conc, BOX CULVERT	STRUCTURE Conc	BAR REINFORCING STEEL (BOX CULVERT)	BAR REINFORCING STEEL	ALTERNATIVE FLARED END SECTION (AFES) 18"	24"	30"	36"	42"	84"	CONCRETE FES 54"	60"	ALTERNATIVE PIPE CULVERT 18"	24"	30"	36"	42"	CSP (.138" THICK) 36"	CSP (.168" THICK) 84"	GLD 12"	RCP 18"	54"	60"	(N) MAXIMUM COVER	RSP (1/2 T, METHOD A)	(1/2 T, METHOD B)	(1/4 T, METHOD B)	(No. 1, METHOD B)	(LIGHT, METHOD B)	FABRIC (CLASS 8)	PLACE HMA (Misc AREA)	HMA (TYPE A)	REMOVE CULVERT	REMOVE CONCRETE	REMOVE INLET	REMOVE FES	ABANDON CULVERT	SAND BACKFILL	DRAINAGE QUANTITIES SHEET No.
	CY	CY	LB	EA	CY	CY	CY	LB	LB	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	CY	CY	CY	CY	CY	SQYD	SQYD	TON	LF	CY	EA	EA	EA	CY	
DQ-1	135.6	1474			456.0	191.7	40.0	43,838	4,260										58.9											579.0		481.0	577.0	377.0	2405.0									DQ-1
DQ-2	7.5		1424	6															365.5						86.3							133.0	72.8		229.0			98.1	42.4	1		2	69.6	DQ-2
DQ-3	12.1		714	3							1		1				1		163.6		91.0		6.0					49.5			578.0		249.6		674.3	10.0	2.0	42.0	16.3		1			DQ-3
DQ-4	17.8		2148	9															1862.1				11.0													10.0	2.0	60.2			1			DQ-4
DQ-5	10.5		1195	5															498.4																			143.8	2.4	1	3	1	39.9	DQ-5
DQ-6	10.5		953	4							2								844.3				7.0													262.0	92.0	30.7			2			DQ-6
DQ-7	1.0		236	1								1	2							151	54.5		5.5										18.8		47.9	10.0	2.0	282.0	6.0	2	4			DQ-7
DQ-8	2.6	1358			510.5	286.0	50.0	68,620	5,100	1						2										5.0	160.3					443.0	287.1		706.2				141.0		2			DQ-8
DQ-9	10.2									1	1					4			34.0							5.0	244.0						48.0	68.0	217.3				16.4		1			DQ-9
DQ-10	5.4	23			227.0	20.3	53.5	4,360	4,423		1			1					12.0			17.5											263.0	26.5	666.8				20.2		2			DQ-10
DQ-11															12									776.4																				DQ-11
SUBTOTAL	213.2	2855	6670	28	1193.5	498.0	143.5	116,818	13,783	2	5	1	3	1	12	6	1		3839	151	145.5	17.5	29.5	776.4	86.3	10.0	404.3	49.5		579.0	578.0	1507.0	1515.9	471.5	4,946.5	292.0	98.0	656.8	244.7	4	16	3	109.5	SUBTOTAL
FROM OSD SHEET Q-3	146.4																																9.3		76.4	101.7								FROM OSD SHEET Q-3
1 ~~FROM OSD SHEET Q-4~~																																			~~56,773~~									~~FROM OSD SHEET Q-4~~
FROM SCQ-1	8.4		1880								2							39.0	270				50.0										14.8		27.1	70.0	14.0							FROM SCQ-1
TOTAL	368.0		8550			498.0	143.5	116,818	13,783	2	7	1	3	1	12	6	1	39.0	4109	151	145.5	17.5	79.5	776.4	86.3	10.0	404.3	49.5		579.0	578.0	1507.0	1540.0	471.5	~~61,023~~ 5,050 1	463.7	* 112.0	656.6	244.7	4	16	3	109.5	TOTAL

(N)=NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
* QUANTITY INCLUDED IN Q-1 ROADWAY QUANTITIES TABLE

1 REPLACED PER ADDENDUM No. 1 DATED DECEMBER 16, 2014

DRAINAGE QUANTITIES
DQ-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR: FOAD N AL-HAMDANI
CALCULATED-DESIGNED BY: MUSA ALHAMDANI
CHECKED BY: APURVA N GOKAL
REVISED BY / DATE REVISED

LAST REVISION 06-24-14 | DATE PLOTTED => 15-DEC-2014 | TIME PLOTTED => 11:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	246	12.3/R16.7	282	356

APURVA N GOKAL III 9-29-14
REGISTERED CIVIL ENGINEER DATE

9-29-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER A.N. GOKAL No. 61979 Exp. 09-30-15 CIVIL STATE OF CALIFORNIA

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TEMPORARY LARGE SEDIMENT BARRIER

STAGE & PHASE	TEMPORARY LARGE SEDIMENT BARRIER
	LF
STAGE 1- PHASE 1	500
STAGE 1- PHASE 2	1,000
STAGE 1- PHASE 3	4,500
STAGE 2- PHASE 1	3,000
STAGE 2- PHASE 2	1,000
TOTAL	10,000

8" PPP UNDERDRAIN AND FILTER FABRIC 1

~~8" PPP UNDERDRAIN AND RSP FABRIC (CLASS 8)~~

STATION	8" PPP UNDERDRAIN	FILTER FABRIC	
		8" PPP UNDERDRAIN WRAPPED IN FILTER FABRIC	PERMEABLE BLANKET WRAPPED IN FILTER FABRIC
	LF	SQYD	SQYD
262+95 TO 280+20 L†, "CL1" LINE	1725	403	
262+95 TO 280+20 R†, "CL1" LINE	1725	403	
262+95 TO 280+20, "CL1" LINE			~~55,967~~ 27,984
SUB TOTAL	3450	806	~~55,967~~ 27,984
TOTAL	3450	~~*56,773~~ 28,790	

1

~~*QUANTITY INCLUDED IN DQ 12 SUMMARY OF DRAINAGE QUANTITIES~~

TEMPORARY DRAINAGE INLET PROTECTION

DRAINAGE SYSTEM No.	DRAINAGE UNIT No.	Temp DI PROTECTION	LOCATION
		EA	
8	b	1	Sta 217+88, "CL1" LINE
8	d	1	Sta 219+53, "CL1" LINE
8	f	1	Sta 218+49, "CL1" LINE
8	h	1	Sta 219+16, "CL1" LINE
8	o	1	Sta 220+90, "CL1" LINE
13	d	1	Sta 258+88, "CL1" LINE
13	g	1	Sta 259+42, "CL1" LINE
13	i	1	Sta 259+64, "CL1" LINE
13	k	1	Sta 260+00, "CL1" LINE
13	m	1	Sta 262+95, "CL1" LINE
13	o	1	Sta 265+90, "CL1" LINE
13	q	1	Sta 268+86, "CL1" LINE
13	r	1	Sta 259+27, "CL1" LINE
13	†	1	Sta 259+18, "CL1" LINE
13	v	1	Sta 260+00, "CL1" LINE
13	X	1	Sta 262+95, "CL1" LINE
13	z	1	Sta 265+90, "CL1" LINE
13	ab	1	Sta 268+84, "CL1" LINE
15	a	1	Sta 275+10, "CL1" LINE
15	c	1	Sta 275+91, "CL1" LINE
15	e	1	Sta 276+96, "CL1" LINE
15	g	1	Sta 278+41, "CL1" LINE
15	i	1	Sta 280+20, "CL1" LINE
15	j	1	Sta 274+60, "CL1" LINE
15	l	1	Sta 277+40, "CL1" LINE
15	o	1	Sta 280+20, "CL1" LINE
15	q	1	Sta 280+26, "CL1" LINE
18	e	1	Sta 293+25, "CL1" LINE
18	g	1	Sta 293+25, "CL1" LINE
18	i	1	Sta 293+25, "CL1" LINE
T-1	a	1	Sta 233+90, "CL1" LINE
T-2	a	1	Sta 239+00, "CL1" LINE
T-3	a	1	Sta 249+00, "CL1" LINE
T-4	a	1	Sta 290+00, "CL1" LINE
T-4	a	1	Sta 299+07, "CL1" LINE
TOTAL		35	

TEMPORARY STORMWATER ITEMS

STATION	L†/R†	STAGE & PHASE	TEMPORARY FIBER ROLL	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	TEMPORARY CHECK DAM
			LF	SQYD	LF
230+00 TO 310+00	L†	STAGE 1- PHASE 3	51,000	138,550	2500
Dwy 7 259+15	L†	STAGE 2- PHASE 1	2,000	5,450	100
TULAROSA Rd 276+38	L†	STAGE 2- PHASE 1	3,000	8,150	120
Dwy 9 291+00	R†	STAGE 1- PHASE 3	2,700	7,335	100
Dwy 10 297+58	L†	STAGE 2- PHASE 1	1,300	3,515	
TOTAL			60,000	163,000	2820

REMOVE RUMBLE STRIP

STATION		LOCATION	LENGTH	COLD PLANE AC PAVEMENT
FROM	TO	(L†/R†/ ℄)	LF	SQYD
174+70	184+00	L†	930	103.0
187+60	203+50	L†	1590	177.0
207+75	214+40	L†	665	74.0
222+25	230+00	L†	775	86.0
309+00	311+30	L†	230	26.0
316+00	340+00	L†	2400	267.0
344+00	350+50	L†	650	72.0
355+00	377+00	L†	2200	244.0
174+70	179+00	℄	430	48.0
180+00	184+00	℄	400	44.0
213+40	214+40	℄	100	11.0
222+25	223+50	℄	125	14.0
355+00	368+00	℄	1300	144.0
174+70	184+00	R†	930	103.0
368+00	377+00	R†	900	100.0
			TOTAL	*1513.0

*QUANTITY INCLUDED IN Q-1 TABLE

1 REPLACED PER ADDENDUM No. 1 DATED DECEMBER 16, 2014

SUMMARY OF QUANTITIES

Q-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR: FOAD AL-HAMDANI
CALCULATED-DESIGNED BY: G. GOMEZ
CHECKED BY: APURVA N GOKAL
REVISED BY / DATE REVISED

LAST REVISION 06-24-14
DATE PLOTTED => 15-DEC-2014
TIME PLOTTED => 11:24