Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	18	66.6/67.2	32	90

REGISTERED CIVIL ENGINEER 4-22-09 DATE

5-11-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MONIE S. KEO No. C65498 Exp. 9-30-09 CIVIL STATE OF CALIFORNIA

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

LEGEND & ABBREVIATIONS

S - STANDARD JOINT TYPE

DRAINAGE QUANTITIES

DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT	MINOR CONCRETE (MINOR STRUCTURE) CY	HEIGHT OF INLET (N) Ft	GRATE (TYPE 24-12) (N) EA	Misc IRON & STEEL LB	PIPE CULVERT: REMOVE PIPE LF	PIPE CULVERT: 48" TEMPORARY CULVERT LF	PIPE CULVERT: 48" CSP (0.109" THICK) LF	PIPE CULVERT: 30" CSP (0.079" THICK) LF	PIPE CULVERT: 18" CSP (0.079" THICK) LF	STEEL FLARED END SECTION (FES): 48" EA	STEEL FLARED END SECTION (FES): 30" EA	STEEL FLARED END SECTION (FES): 18" EA	ROCK SLOPE PROTECTION: 2 TON, METHOD A CY	ROCK SLOPE PROTECTION: 1 TON, METHOD B CY	ROCK SLOPE PROTECTION: LIGHT, METHOD B CY	ROCK SLOPE PROTECTION: 1/4TON, METHOD B CY	ROCK SLOPE PROTECTION: BACKING No.2, METHOD B CY	ROCK SLOPE PROTECTION: FABRIC SqYd	CLASS 4 CONCRETE (BACKFILL) CY		CULVERT SKEW (DEGREES) RIGHT/LEFT	DESCRIPTION	STATION	DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT
D-2	6	a	1.73	3.0	2	652																		DRAINAGE INLET (TYPE GT3)	40.00' Lt Sta 373+00 ℄ IMP RTE 18	D-2	6	a
		b									150										2.1	S		18" CSP	40.00' Lt Sta 373+00 to 374+50 ℄ IMP RTE 18			b
		c	1.03	3.0	1	326																		DRAINAGE INLET (TYPE G3)	40.00' Lt Sta 374+50 ℄ IMP RTE 18			c
		d									150											S		18" CSP	40.00' Lt Sta 374+50 TO 376+00 ℄ IMP RTE 18			d
D-3	6	e	1.03	3.0	1	326																		DRAINAGE INLET (TYPE G3)	40.00' Lt Sta 376+00 ℄ IMP RTE 18	D-3	6	e
		f									150											S		18" CSP	40.00' Lt Sta 376+00 to 377+50 ℄ IMP RTE 18			f
		g	1.03	3.0	1	326																		DRAINAGE INLET (TYPE G3)	40.00' Lt Sta 377+50 ℄ IMP RTE 18			g
		h									195										14.2	S		18" CSP	40.00' Lt Sta 377+50 to 378+45 ℄ IMP RTE 18			h
		i																						18" CSP 146° ELBOW	40.00' Lt Sta 378+45 ℄ IMP RTE 18			i
		j									28											S	34° (Lt)	18" CSP	50.20' Lt Sta 378+45 tO 379+72.50 ℄ IMP RTE 18			j
		k												1										FES				k
TOTAL (THIS Sh)			4.82		5	1630					673			1							16.3							
TOTAL (SHEET 1)			2.8				56	127	105	10		1	1		104	194	237	1015	534	2441								
GRAND TOTAL			7.62		5	1630	56	127	105	10	673	1	1	1	104	194	237	1015	534	2441	16.3							

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

2 REVISED PER ADDENDUM No. 2 DATED AUGUST 31, 2009

DRAINAGE QUANTITIES

DQ-2

REVISED BY | DATE REVISED

MONIE KEO | REFAAT ELSHERIF

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN DIVISION

LAST REVISION 04-22-09 | DATE PLOTTED => 31-AUG-2009 | TIME PLOTTED => 08:37