Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri	299	45.9/46.2	22	40

REGISTERED CIVIL ENGINEER 10-22-13 DATE

12-16-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JUSTIN W. BORDERS No. C65918 Exp. 6-30-14 CIVIL STATE OF CALIFORNIA

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

NOTE:

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

REMOVE GUARDRAIL

STATION	LF
"A4" 510+73 TO 512+90	224.5
TOTAL	224.5

MAINTENANCE GATE

STATION	EA
"C1" 10+80	1
TOTAL	1

TREATED WOOD WASTE

STATION	LB
"A4" 510+73 TO 512+90	3200
TOTAL	3200

PLACE HOT MIX ASPHALT DIKE

STATION	L+/R+	TYPE E	TYPE A	TYPE D
		LF	LF	LF
"A4" 510+00 TO 513+00	R+	300		
"A4" 516+54 TO 516+98	R+			50
"A4" 516+98 TO 522+61.5	R+		500	
TOTAL		300	500	50

FENCE (TYPE WM, METAL POST)

STATION	LF
"E1" 11+00 TO 15+26	426
TOTAL	426

ROCK SLOPE PROTECTION

STATION	L+/R+	(No. 2, METHOD B) (CY)	(No. 3, METHOD B) (CY)	FABRIC (CLASS 8)	COMMENTS
		CY	CY	SQYD	
"A4" 510+00				5.8	FROM DRAINAGE
"A4" 511+37.9 TO 513+00	L+		27.5	248	
"C1" 10+80 TO "E1" 15+26	R+	163.3		411.5	
"A4" 521+10	L+	36.2		182	
"E1" 11+00 TO 15+26	R+	255.6		383	
TOTAL		455.1	27.5	1572.3	

1 ROADWAY QUANTITIES

STATION	L+/R+	ROADWAY EXCAVATION	(N) EMBANKMENT	CLASS 2 AGGREGATE BASE	HOT MIX ASPHALT (TYPE A)	SHOULDER BACKING	COLD PLANE ASPHALT CONCRETE PAVEMENT	TACK COAT	COMMENTS
		CY	CY	CY	TON	TON	SQYD	TON	
"A4" 510+00 TO 510+22	L+/R+			1370	2148		68		
"A4" 510+22 TO 522+61	L+/R+	24,246	15,498	~~1191~~	~~1856~~			1.4	
"A4" 512+00 TO 516+65	R+					52.3			
"A4" 519+50 TO 522+61.5	L+					35.1			
"C1" 10+28 TO 17+40	L+/R+	2737	7208	274	40				
"E1" 11+20 TO 15+20	R+		4277						
"A4" 510+00 TO 513+00	R+				5				TYPE E DIKE
"A4" 510+22 TO 522+61	L+			28	20				SAFETY EDGE
"A4" 513+00 TO 516+98	R+			9	6				SAFETY EDGE
"A4" 511+35	L+				2				HMA APRON
"A4" 516+54 TO 516+98	R+				3				TYPE D DIKE
"A4" 516+98 TO 522+61	R+				15				TYPE A DIKE
"A4" 522+61 TO 523+11	L+/R+						157		
TOTAL		26,983	26,983	~~1502~~ 1681	~~1947~~ 2239	87.4	225	1.4	

TEMPORARY WATER POLLUTION CONTROL

TEMPORARY FIBER ROLL	TEMPORARY SILT FENCE	TEMPORARY CHECK DAM	TEMPORARY DRAINAGE INLET PROTECTION
LF	LF	LF	EA
2426	200	1600	2

MIDWEST GUARDRAIL SYSTEM

STATION	MIDWEST GUARDRAIL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)	(N) BURIED POST END ANCHOR
	LF	EA	EA
"A4" 516+98 TO 517+04.3		1	
"A4" 517+04.3 TO 523+09.3	537.5		
"A4" 523+09.3			1
TOTAL	537.5	1	

1 REPLACED PER ADDENDUM No. 1 DATED MARCH 7, 2014

SUMMARY OF QUANTITIES

Q-1

BILL LEHMAN — JUSTIN BORDERS — CALCULATED-DESIGNED BY — CHECKED BY — REVISED BY — DATE REVISED — FUNCTIONAL SUPERVISOR: AL TRUJILLO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans — DESIGN

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LAST REVISION 09-25-13 — DATE PLOTTED => 07-MAR-2014 — TIME PLOTTED => 08:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri	299	45.9/46.2	24	40

LICENSED LANDSCAPE ARCHITECT

12-16-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT J. PATRICK SULLIVAN #3125 Signature 07/31/14 Renewal Date 12/16/13 Date STATE OF CALIFORNIA

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NOTES: 1

1. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
2. USE TYPE C NETTING FOR ROLLED EROSION CONTROL PRODUCT (NETTING).

HYDROSEED SEQUENCE/ APPLICATION RATES (N)

SEQUENCE	ITEM	MATERIAL DESCRIPTION	MATERIAL TYPE	APPLICATION RATE (N)
STEP 1	HYDROSEED	PURE LIVE SEED	MIX	95 LB/ACRE
		FIBER	ALTERNATE	2000 LB/ACRE
		SLOW RELEASE FERTLIZER	GRANULAR	100 LB/ACRE
STEP 2	HYDROSEED	COMPOST	RECYCLED WOOD PRODUCTS	1.2 CY/ACRE
		FIBER	ALTERNATE	2000 LB/ACRE
		TACKIFIER	PSYLLIUM	100 LB/ACRE

HYDROSEED

MATERIAL DESCRIPTION	MATERIAL TYPE	TOTALS	
PURE LIVE SEED	MIX	267 LBS (N)	HYDROSEED
FIBER	ALTERNATE	11,240 LBS (N)	
SLOW RELEASE FERTLIZER	GRANULAR	281 LBS (N)	
COMPOST	RECYCLED WOOD PRODUCTS	3.37 CY (N)	
TACKIFIER	PSYLLIUM	281 LBS (N)	
FROM Sta 506+90 TO 522+60		TOTAL SQFT	122,200

SEED MIX (N)

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (N) (SLOPE MEASUREMENT)
ACHILLEA MILLEFOLIUM (COMMON YARROW)	50	1
ESCHSCHOLZIA CALIFORNICA (CALIFORNIA POPPIES)	70	2
FESTUCA IDAHOENSIS (WESTERN FESCUE)	70	20
LOTUS PURSHIANUS (PURSHING)	70	8
LUPINUS BICOLOR (SKY LUPINES)	60	2
LUPINUS NANA (DWARF LUPINES)	60	2
POA SECUNDA (BLUE PINE GRASS)	60	20
TRIFOLIUM HIRTIUM (ROSE CLOVER)	80	15
VULPIA MICROSTACHYS (SMALL FESCUE)	80	25
	TOTAL	95

ROLLED EROSION CONTROL PRODUCT (NETTING)

STATION	SQFT
"E1" 11+20 TO 15+20	2067
"C1" 10+60 TO 17+00	33,570
"A4" 520+50 TO 522+50	15,659
TOTAL	51,296

1 **REPLACED PER ADDENDUM No. 1 DATED MARCH 7, 2014**

APPROVED FOR LANDSCAPE WORK ONLY

EROSION CONTROL LEGEND AND QUANTITIES

ECQ-1

REVISED BY | DATE REVISED
J. PATRICK SULLIVAN | RON FLORY
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT | RON FLORY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

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LAST REVISION 09-25-13 | DATE PLOTTED => 07-MAR-2014 | TIME PLOTTED => 08:37