Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Nap	121	9.2/9.4	9	114

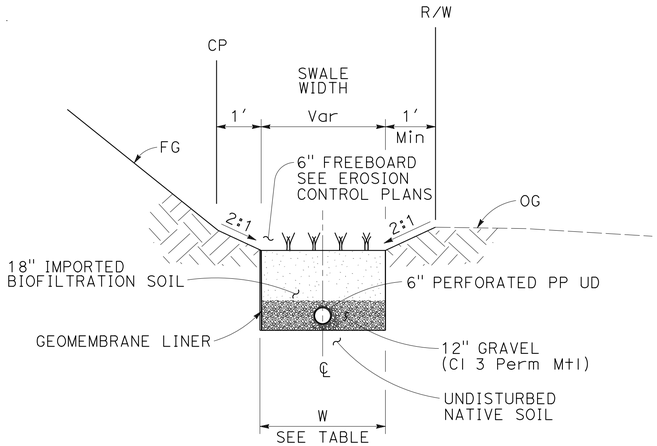
Hillel Hamdan 2-23-16
REGISTERED CIVIL ENGINEER DATE

3-28-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Hillal Hamdan No. 67129 Exp. 9-30-16 CIVIL STATE OF CALIFORNIA

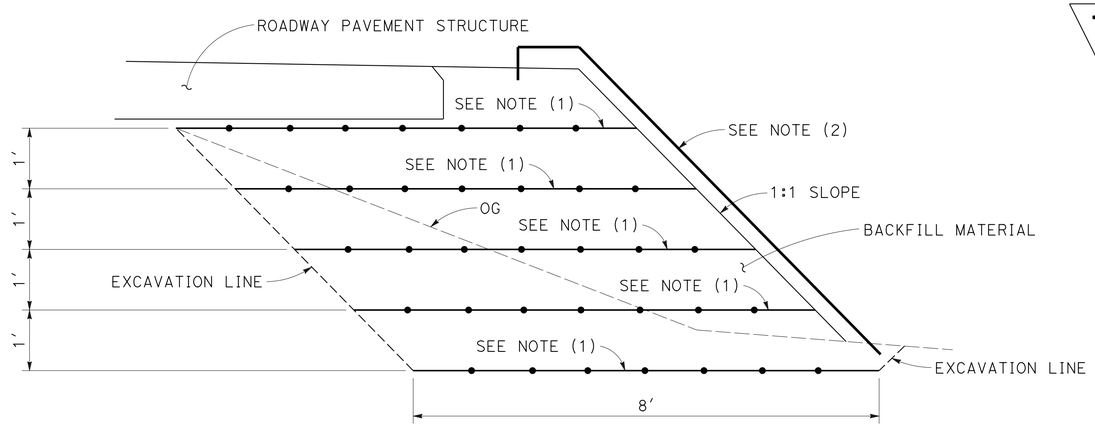
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

1



BIO-RETENTION SWALE

32.2' Rt "B" 16+90 TO 31.7' Rt "B" 17+70



LEGEND:

GEOSYNTHETIC REINFORCEMENT (GEOGRID)

NOTES:

(1) GEOSYNTHETIC REINFORCEMENTS (GEOGRID*)

A) SOUTH OF THE BRIDGE

a) No. 1 LAYER: "B" 17+65 TO 17+82** (Approx Elev = 21.7')
b) No. 2 LAYER: "B" 16+95 TO 17+95** (Approx Elev = 22.7')
c) No. 3 LAYER: "B" 16+65 TO 17+93.5** (Approx Elev = 23.7')
d) No. 4 LAYER: "B" 15+95 TO 17+92** (Approx Elev = 24.7')

B) NORTH OF THE BRIDGE

a) No. 1 LAYER: "B" 18+84** TO 19+50 (Approx Elev = 21.2')
b) No. 2 LAYER: "B" 18+69.5** TO 19+50 (Approx Elev = 22.2')
c) No. 3 LAYER: "B" 18+70** TO 19+50 (Approx Elev = 23.2')
d) No. 4 LAYER: "B" 18+71.5** TO 19+50 (Approx Elev = 24.2')
e) No. 5 LAYER: "B" 18+73.5** TO 19+42 (Approx Elev = 25.2')

* MINIMUM LONG TERM DESIGN STRENGTH (LTDS = 1200 LB/ft

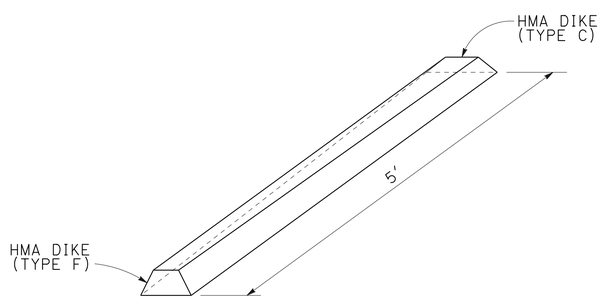
** BIAXIAL GEOGRID SHOULD BE USED AND PLACED FROM THE FACE OF SIDE SLOPE TO THE FACE OF RETAINING WALL OR CLASS 3 AGGREGATE BASE BETWEEN "B" 17+82 TO END STATIONS SPECIFIED IN SECTION (1) (A) AND BETWEEN BEGINNING STATION SPECIFIED IN SECTION (1) (B) TO "B" 18+84.

(2) EROSION CONTROL (SEE SHEET ECD-1).

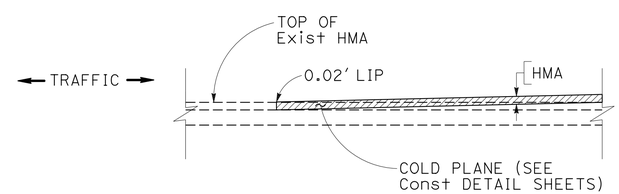
GEOSYNTHETIC REINFORCED EMBANKMENT DETAIL

BIO-RETENTION SWALE

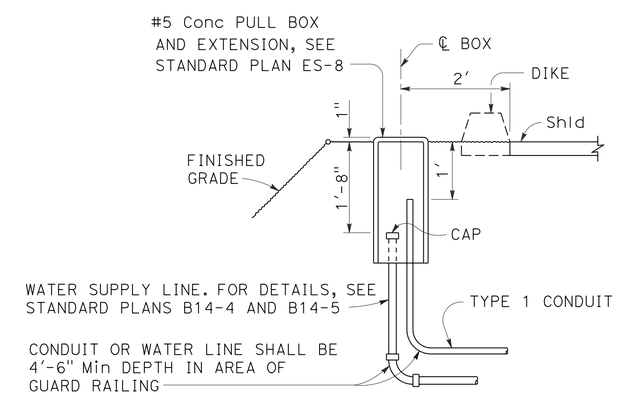
STATION	SWALE WIDTH (W)
	ft
"B" 16+90	5.5
"B" 17+00	4.0
"B" 17+20	3.0
"B" 17+40	4.5
"B" 17+60	6.0
"B" 17+70	5.5



HMA DIKE TRANSITION DETAIL (TYPE F TO TYPE C)



COLD PLANE HMA PAVEMENT CONFORM DETAIL



COMMUNICATION AND SPRINKLER CONTROL CONDUITS (CONDUIT LESS THAN 4")

1 **REPLACED PER ADDENDUM No. 1 DATED OCTOBER 13, 2016**

CONSTRUCTION DETAILS

NO SCALE

C-3

REVISED BY	DATE REVISED
HH	12-15-15

HILLAL HAMDAN — ZIAD ABUBEKR
CALCULATED-DESIGNED BY — CHECKED BY
FUNCTIONAL SUPERVISOR — ZIAD ABUBEKR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 03-16-16 | DATE PLOTTED => 04-OCT-2016 | TIME PLOTTED => 13:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Nap	121	9.2/9.4	22	114

REGISTERED CIVIL ENGINEER — DATE 3/16/16

PLANS APPROVAL DATE 3-28-16

REGISTERED PROFESSIONAL ENGINEER — ANALETTE OCHOA — No. C 55279 — Exp. 12/31/16 — CIVIL — STATE OF CALIFORNIA

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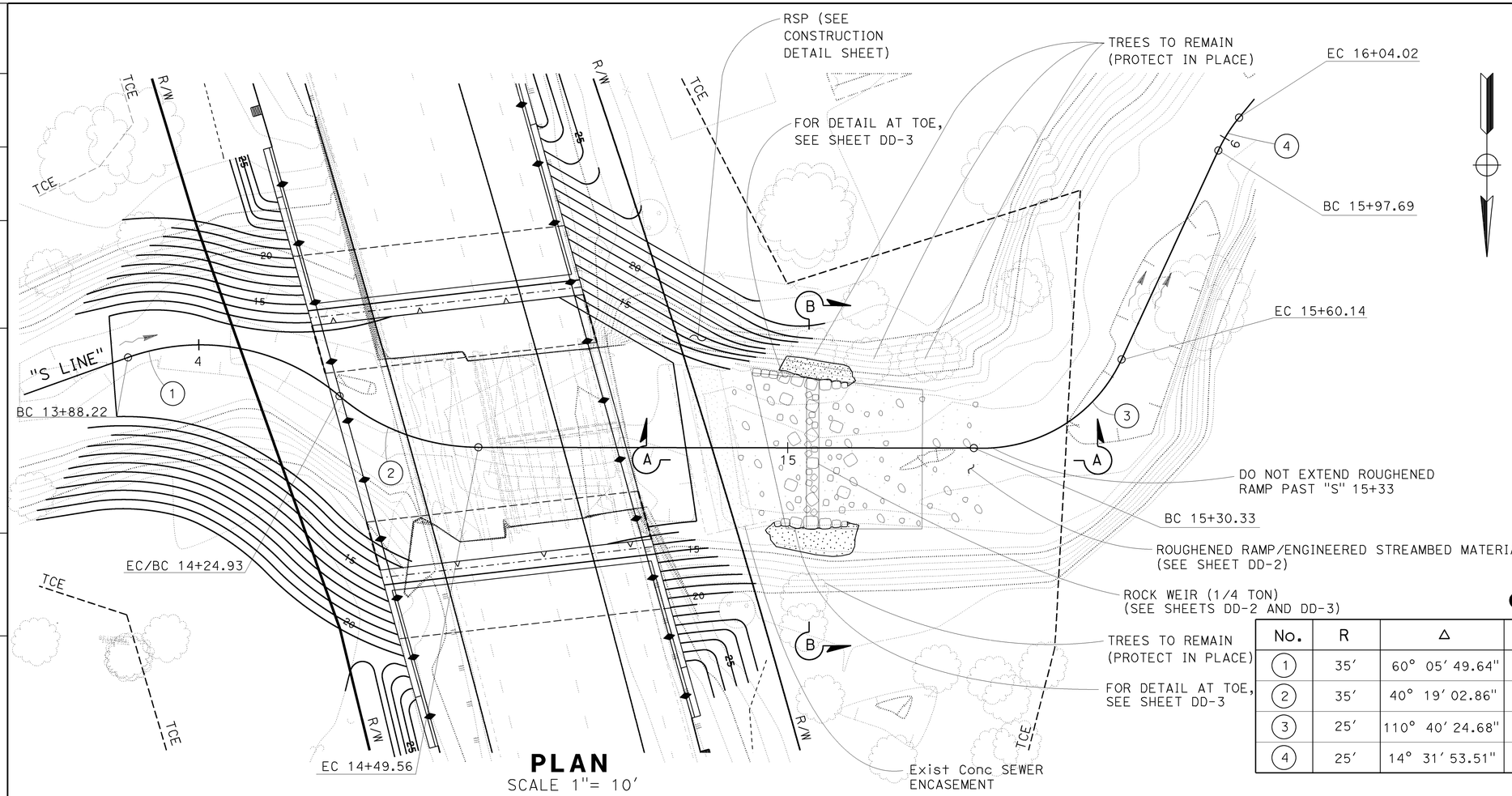
WRECO
1243 ALPINE ROAD
SUITE 108
WALNUT CREEK, CA 94596

CALTRANS
111 GRAND AVENUE
OAKLAND, CA 94612



PLAN

SCALE 1"= 10'

NOTE:

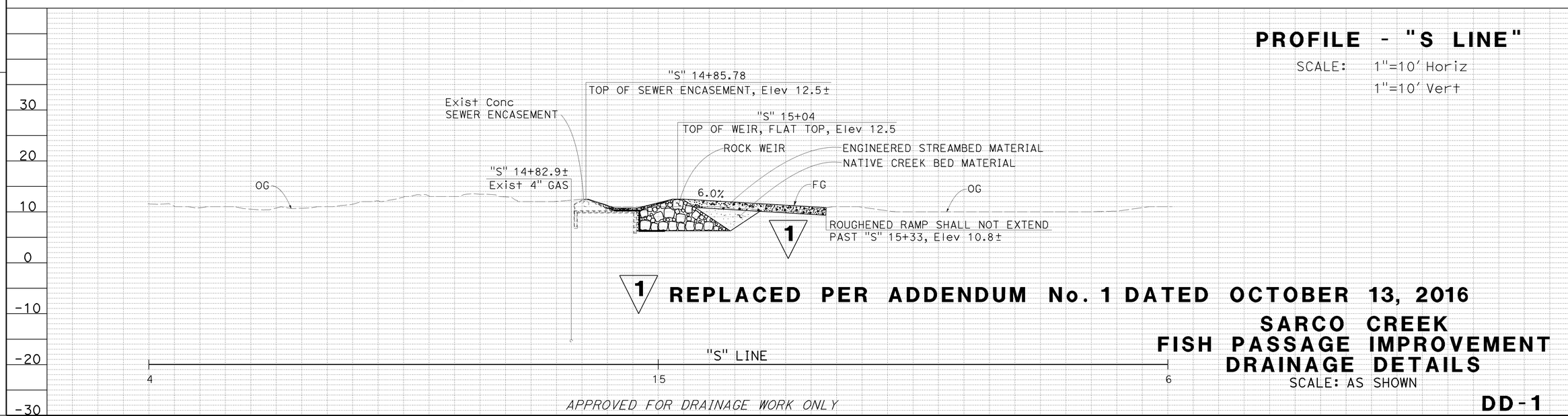
1. SEE SHEETS DD-2 AND DD-3 FOR SECTIONS.

CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
1	35′	60° 05′ 49.64"	20.25′	36.71′	1879715.29	6483293.99
2	35′	40° 19′ 02.86"	12.85′	24.23′	1879658.43	6483253.17
3	25′	110° 40′ 24.68"	16.97′	29.81′	1879661.78	6483170.51
4	25′	14° 31′ 53.51"	3.19′	6.34′	1879643.75	6483110.64

PROFILE - "S LINE"

SCALE: 1"=10′ Horiz
1"=10′ Vert



1 REPLACED PER ADDENDUM No. 1 DATED OCTOBER 13, 2016

SARCO CREEK FISH PASSAGE IMPROVEMENT DRAINAGE DETAILS

SCALE: AS SHOWN

APPROVED FOR DRAINAGE WORK ONLY

DD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: HAN-BIN LIANG

CALCULATED-DESIGNED BY: JAMES GO — CHECKED BY: ANALETTE OCHOA

REVISED BY: JG — DATE REVISED: 1-18-16

LAST REVISION 02-23-16 — DATE PLOTTED => 04-OCT-2016 — TIME PLOTTED => 13:07

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Nap	121	9.2/9.4	23	114

1

REGISTERED CIVIL ENGINEER — DATE 1/19/16

3-28-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ANALETTE OCHOA — No. C 55279 — Exp. 12/31/16 — CIVIL — STATE OF CALIFORNIA

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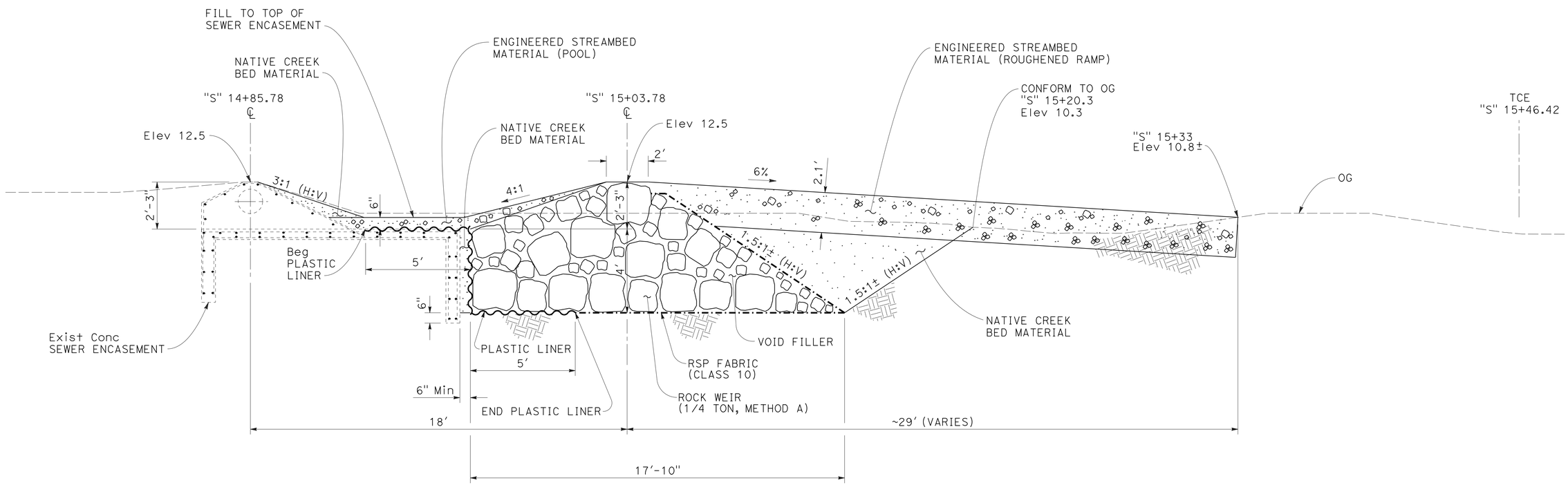
LEGEND:

PLASTIC LINER

RSP FABRIC



SECTION A-A

LONGITUDINAL CROSS SECTION OF ROCK WEIR/ROUGHENED RAMP

1 **REPLACED PER ADDENDUM No. 1 DATED OCTOBER 13, 2016**

SARCO CREEK FISH PASSAGE IMPROVEMENT DRAINAGE DETAILS

NO SCALE

DD-2

REVISED BY	DATE REVISED
JG	1-18-16

CALCULATED-DESIGNED BY: JAMES GO
CHECKED BY: ANALETTE OCHOA
CONSULTANT FUNCTIONAL SUPERVISOR: HAN-BIN LIANG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION 02-20-16 | DATE PLOTTED => 04-OCT-2016 | TIME PLOTTED => 13:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Nap	121	9.2/9.4	24	114

REGISTERED CIVIL ENGINEER — DATE 1/19/16

3-28-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ANALETTE OCHOA — No. C 55279 — Exp. 12/31/16 — CIVIL — STATE OF CALIFORNIA

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OAKLAND, CA 94612

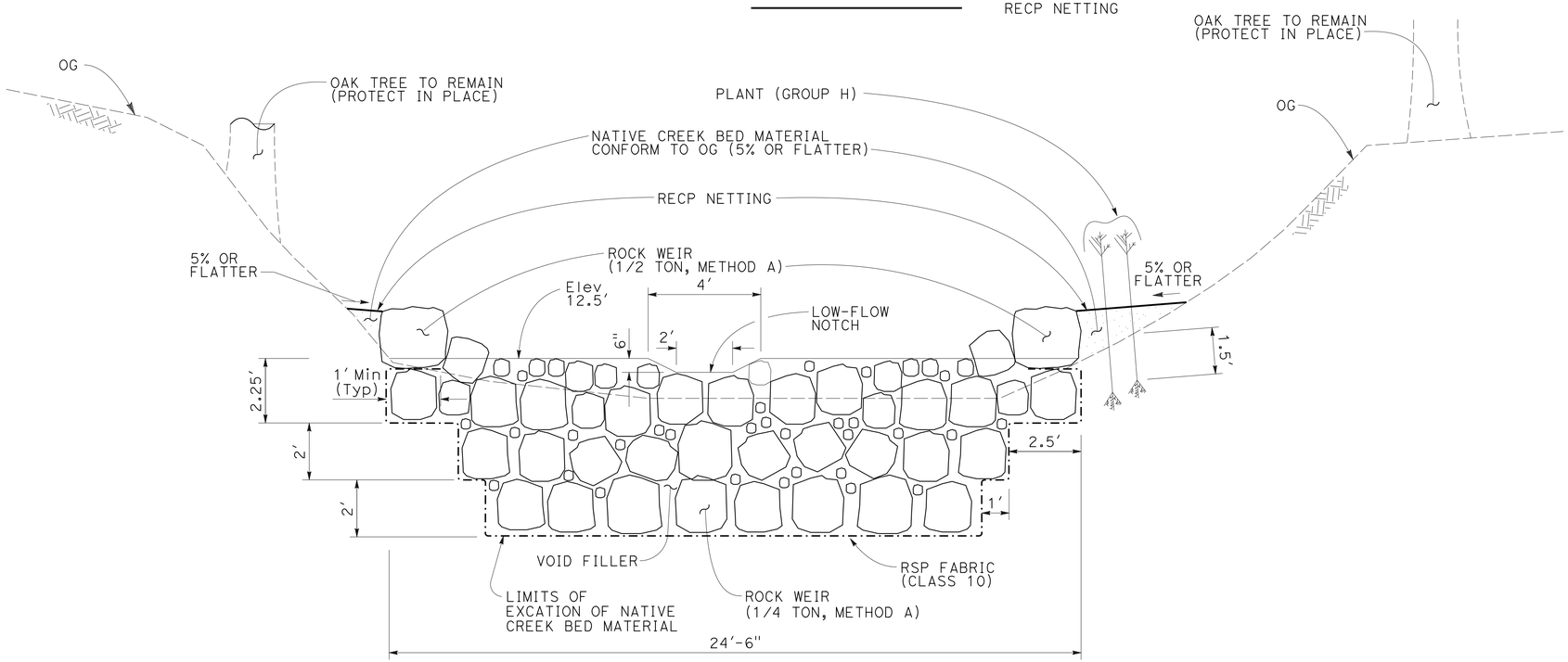
NOTE:

1. FILL NATIVE CREEK BED MATERIAL BEHIND ROCK AS NEEDED.

LEGEND:

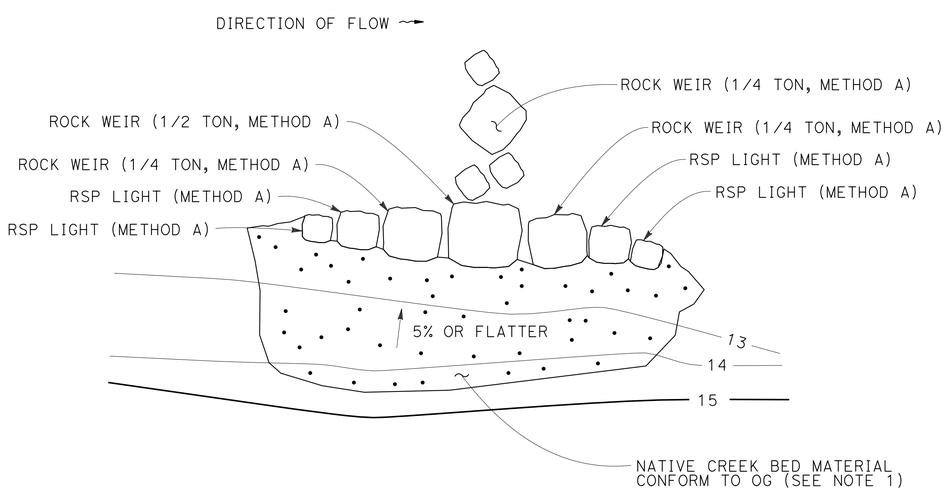
RSP FABRIC (CLASS 10)

RECP NETTING

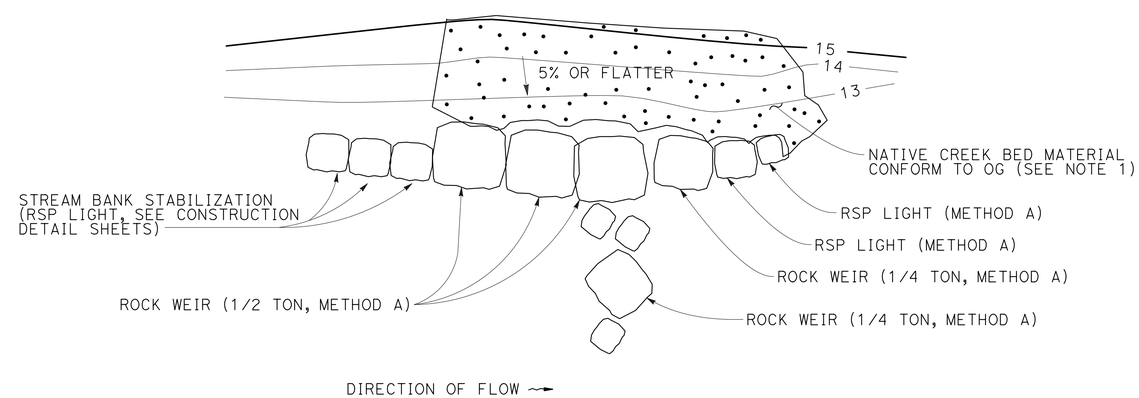


SECTION B-B

CROSS SECTION THROUGH ROCK WEIR AT "S" 15+03.78



DETAILS AT TOE (NORTH)



DETAILS AT TOE (SOUTH)

1 **REPLACED PER ADDENDUM No. 1 DATED OCTOBER 13, 2016**

DRAINAGE DETAILS
NO SCALE

DD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: HAN-BIN LIANG
CALCULATED-DESIGNED BY: JAMES GO
CHECKED BY: ANALETTE OCHOA
REVISED BY: JG
DATE REVISED: 1-18-16

LAST REVISION 03-24-16 | DATE PLOTTED => 04-OCT-2016 | TIME PLOTTED => 13:10

BORDER LAST REVISED 7/2/2010 | USERNAME => s126849 | DGN FILE => 0400000817ic003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0752 | PROJECT NUMBER & PHASE 04000008171

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Nap	121	9.2/9.4	26	114

Hillel Hamdan 2-23-16
REGISTERED CIVIL ENGINEER DATE

3-28-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Hillal Hamdan No. 67129 Exp. 9-30-16 CIVIL STATE OF CALIFORNIA

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1

APC ALLOWABLE PIPE MATERIAL AND PROTECTION

DESIGNATION	RCP	PLASTIC PIPE		CSP	
	SIZE	SIZE	TYPE	SIZE	THICKNESS
18" APC	18"	18"	SMOOTH	18"	0.064"

1 **REPLACED PER ADDENDUM No. 1 DATED OCTOBER 13, 2016**

DRAINAGE QUANTITIES

DRAINAGE SHEET No.	DRAINAGE SYSTEM No. ⬡	DRAINAGE UNIT ○	STRUCTURAL CONCRETE - DRAINAGE INLET	MISCELLANEOUS IRON AND STEEL	18" APC	18" CSP (0.064" THICK)	RSP FABRIC (CLASS 8)	HMA (TYPE A)	PLACE HMA MISCELLANEOUS AREA	TYPE 24-9 FRAME AND GRATE (N)	TYPE 24-12X FRAME AND GRATE (N)	PIPE JOINT CLASSIFICATION (N)	MAXIMUM COVER (N)	HEIGHT OF DI (N)	REMOVE INLET	REMOVE CULVERT	ROADWAY EXCAVATION	NATIVE CREEK BED MATERIAL	ROCK WEIR: ROCK WEIR (1/4 TON, METHOD A)	ROCK WEIR: ROCK WEIR (1/2 TON, METHOD A)	ROCK WEIR: RSP LIGHT (METHOD A) (N)	ROCK WEIR: VOID FILLER (N)	ROCK WEIR: RSP FABRIC (CLASS 10) (N)	ROCK WEIR: PLASTIC LINER (N)	RSP (LIGHT METHOD B)	ROLLED EROSION CONTROL PRODUCT (NETTING)	DITCH EXCAVATION	ENGINEERED STREAMBED MATERIAL (N)	DESCRIPTION	STATION	DRAINAGE SYSTEM No. ⬡	DRAINAGE UNIT ○
			CY	LB	LF		SQYD	TON	SQYD	EA			LF		EA	LF	CY						SQYD	SQFT	CY	SQFT	CY					
D-1	1	a						1.30	11.37																				ACOD	29′ R+ "B" 16+75	1	a
		b					6																		2.8				RSP	29′ R+ "B" 16+75		b
		c																									87		BIO-RETENTION SWALE	29.51′ R+ "B" 16+90 TO 31.7′ R+ "B" 17+70		c
		d	1.67	263						1				4.39															G2 DI	31.5′ R+ "B" 17+70		d
		e				28.7						D	2.89																18" CSP DD	31.5′ R+ "B" 17+70 TO 32.4′ R+ "B" 18+01		e
D-2	2	a				57.0						D	3.53																18" CSP DD	29.5′ R+ "B" 18+45 TO 29.2′ R+ "B" 18+90	2	a
		b	1.83	263						1				5.03															G2 DI	29.2′ R+ "B" 18+90		b
		c			11.4							S	3.03																18" APC	20.24′ R+ "B" 18+90 TO 29.2′ R+ "B" 18+90		c
		d	1.82	239							1			5.00															G2 DI	20.24′ R+ "B" 18+90		d
		e			90.2							S	3.85																18" APC	29.2′ R+ "B" 18+90 TO 28.5′ R+ "B" 19+80		e
		f	1.91	239							1			5.36															G2 DI	28.5′ R+ "B" 19+80		f
		g			60.2							S	3.85																18" APC	28.5′ R+ "B" 19+80 TO 27.5′ R+ "B" 20+40		g
		h	1.56	239							1			3.96															G2 DI	27.5′ R+ "B" 20+40		h
		i			54.5							S	2.46																18" APC	27.5′ R+ "B" 20+40 TO 32.14′ R+ "B" 20+89.71		i
		j	1.40	239							1			3.36															G2 DI	32.14′ R+ "B" 20+89.71		j
		k			47.8							S	1.86																18" APC	32.14′ R+ "B" 20+89.71 TO 31.28′ R+ "B" 21+57.41		k
		l	1.35	239							1			3.15															G2 DI	31.28′ R+ "B" 21+57.41		l
		m			51.6							S	1.65																18" APC	31.28′ R+ "B" 21+57.41 TO 18.47′ R+ "B" 21+90.16		m
		n	1.32	239							1			3.05															G2 DI	18.47′ R+ "B" 21+90.16		n
		o														222													REMOVE CULVERT	24′ R+ "B" 18+53 TO 20+75		o
		p													1														REMOVE DI	24′ R+ "B" 20+75		p
D-1	3	a															104												RSP (LOCATION 1)	"S" 14+60 TO 14+90	3	a
		b															53.3												RSP (LOCATION 2)	"S" 14+76 TO 14+85		b
		c															101.3												RSP (LOCATION 3)	"S" 13+82 TO 14+25		c
		d															350.4												RSP (LOCATION 4)	"S" 13+78 TO 14+40		d
																		15	62	1	2	15	52	403		140		65	ROCK WEIR/ROUGHENED RAMP	"S" 14+86 TO 15+33 (SEE SHEETS DD-1 TO DD-3)		
SHEET TOTAL			12.86	1960	315.7	85.7	6	1.30	11.37	2	6				1	222	609	15	62	1	2	15	52	403	2.8	140	87	65	SHEET TOTAL			

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

HH 11-18-15 REVISED BY DATE REVISED

HILLAL HAMDAN HASSEN BOLANOS CALCULATED-DESIGNED BY CHECKED BY

FUNCTIONAL SUPERVISOR ZIAD ABUBEKR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

DRAINAGE QUANTITIES DQ-1

LAST REVISION 03-28-16 DATE PLOTTED => 04-OCT-2016 TIME PLOTTED => 14:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Nap	121	9.2/9.4	37	114

Hillal Hamdan 2-23-16
REGISTERED CIVIL ENGINEER DATE

3-28-16
PLANS APPROVAL DATE

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1

HOT MIX ASPHALT DIKE

SHEET No.	STATION	Loc	PLACE HMA DIKE TYPE C	PLACE HMA DIKE TYPE E	PLACE HMA DIKE TYPE F	HMA (TYPE A)	REMOVE AC DIKE
			LF			TON	LF
L-1	"B" 16+72 TO 17+55.5	R+	83.5			0.637	
	"B" 18+83 TO 19+33.55	R+		50.55		1.356	
	"B" 17+55.5 TO 17+81	R+			25.5	0.317	
L-2	"B" 20+42.49 TO 21+06.54	R+		85			
	"B" 21+41 TO 23+00	R+		180		3.611	
	"R" 21+62.25 TO 23+00	R+					137.75
TOTAL			83.5	315.55	25.5	5.921	137.75

WATER AND SEWER

SHEET No.	STATION	Loc	ADJUST VALVE BOX FRAME AND COVER TO GRADE	REMOVE SEWER MANHOLE	REMOVE SEWER PIPE
			EA		LF
U-1	"B" 16+57	R+	1		
	"B" 19+21	R+	1		
	"B" 19+24	R+	1		
	"B" 18+12	L+		1	
	"B" 17+80 TO 18+12	L+			50
TOTAL			3	1	50

MIDWEST GUARDRAIL SYSTEM AND VEGETATION CONTROL

SHEET No.	STATION	Loc	MGS (TYPE 12B)	ALTERNATIVE FLARED TERMINAL SYSTEM	TRANSITION RAILING (TYPE WB-31)	OBJECT MARKER (TYPE P)	VEGETATION CONTROL (MINOR CONCRETE)	REMOVE GUARD RAIL	GEOSYNTHETIC REINFORCEMENT
			LF	EA			SQYD	LF	SQYD
L-1	"B" 17+18 TO 17+81.0	R+	72	1	1	1	32.22		
	"B" 18+89.0 TO 19+61.5	L+	72.5	1	1	1	32.22		
	"B" 17+18 TO 19+15.4	R+						120.5	
	"B" 17+63.4 TO 19+18	L+						121.5	
	"B" 15+18.2 TO 23+00	R+							
	"B" 15+18.2 TO 23+00	L+							
X-1, X-2	"B" 15+95 TO 19+50	R+							784.4
DD-1	"S" 14+60 TO 14+90								207.1
	"S" 14+76 TO 14+85								38.8
	"S" 13+82 TO 14+25								79.9
	"S" 13+78 TO 14+40								161.5
TOTAL			144.5	2	2	2	64.44	242	1271.7

TEMPORARY FENCE

SHEET No.	STATION	Loc	Temp FENCE (TYPE CL-6)	REMOVE FENCE	Temp FENCE (TYPE ESA)
			LF		
C-1	"B" 15+60 TO 21+00	R+			230
C-1	"B" 15+60 TO 21+00	L+			249
C-2	"B" 17+60 TO 19+70	R+			647
C-2	"B" 17+60 TO 19+70	L+			682
L-1	"B" 17+77 TO 18+26	L+	49	60	
TOTAL			49	60	1808

EARTHWORK QUANTITIES

SHEET No.	STATION	ROADWAY EXCAVATION	ROADWAY EXCAVATION (TYPE Z-2 ADL)	IMPORTED BORROW
		CY		
C-1	"B" 15+18.2 TO 20+50	320.9	60.2	
X-1	"B" 15+18.2 TO 20+50			265.48
C-2	"B" 20+50 TO 23+00	202.6	120.9	
X-2	"B" 20+50 TO 23+00			117.32
C-2	"R" 20+15 TO 20+60.9	100.6	14.8	
SUBTOTAL FROM SHEET DQ-1		609		
TOTAL		1233.1	195.9	382.80

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

BIO-RETENTION SWALE

STATION	6" PERFORATED PLASTIC PIPE UD	CLASS 3 Perm Mtl (BLANKET)	IMPORTED BIOFILTRATION SOIL	GEOMEMBRANE LINER
	LF	CY		SQYD
"B" 16+90 TO 17+70	80	20	27	240
TOTAL	80	20	27	240

ROADWAY QUANTITIES

SHEET No.	STATION	TACK COAT	HMA (TYPE A)	COLD PLANE AC PAVEMENT
		TON		SQYD
C-1	"B" 15+18.2 TO 20+50	6.70	1249.81	
	"B" 15+18 TO 16+70			408.2
C-2	"B" 20+50 TO 23+00			284.7
	"B" 22+00 TO 23+00	3.64	661.94	
	"R" 20+15 TO 20+60.9	0.51	48.80	153.7
	FROM PLACE HMA DIKE	0.06	5.92	
	HMA (FROM DRAINAGE)		1.3	
TOTAL		10.91	1967.77	846.6

ROADSIDE SIGN AND MAILBOX

SHEET No.	STATION	Loc	RELOCATE ROADSIDE SIGN ONE POST	RELOCATE ROADSIDE SIGN TWO POST	RESET MAIL BOX
			EA		
L-1	"B" 15+25.13	R+			1
	"B" 16+26.91	L+			1
	"B" 16+19.28	R+			1
	"B" 19+41.69	R+			1
	"B" 19+67.43	L+			1
	"B" 17+53.41	R+	1		
L-2	"B" 20+74.65	L+	1		
	"B" 21+98.93	R+		1	
TOTAL			2	1	5

TREATED WOOD WASTE

SHEET No.	LB
L-1	3330
TOTAL	3330

1 REPLACED PER ADDENDUM No. 1 DATED OCTOBER 13, 2016

SUMMARY OF QUANTITIES

Q-1

HH	3-5-14	REVISED BY	DATE REVISED
HILLAL HAMDAN	HASSEN BOLANOS	CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	ZIAD ABUBEKR		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 03-28-16 | DATE PLOTTED => 04-OCT-2016 | TIME PLOTTED => 13:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Nap	121	9.2/9.4	52	114

Nasrin Gharib 2-23-16
REGISTERED ELECTRICAL ENGINEER DATE

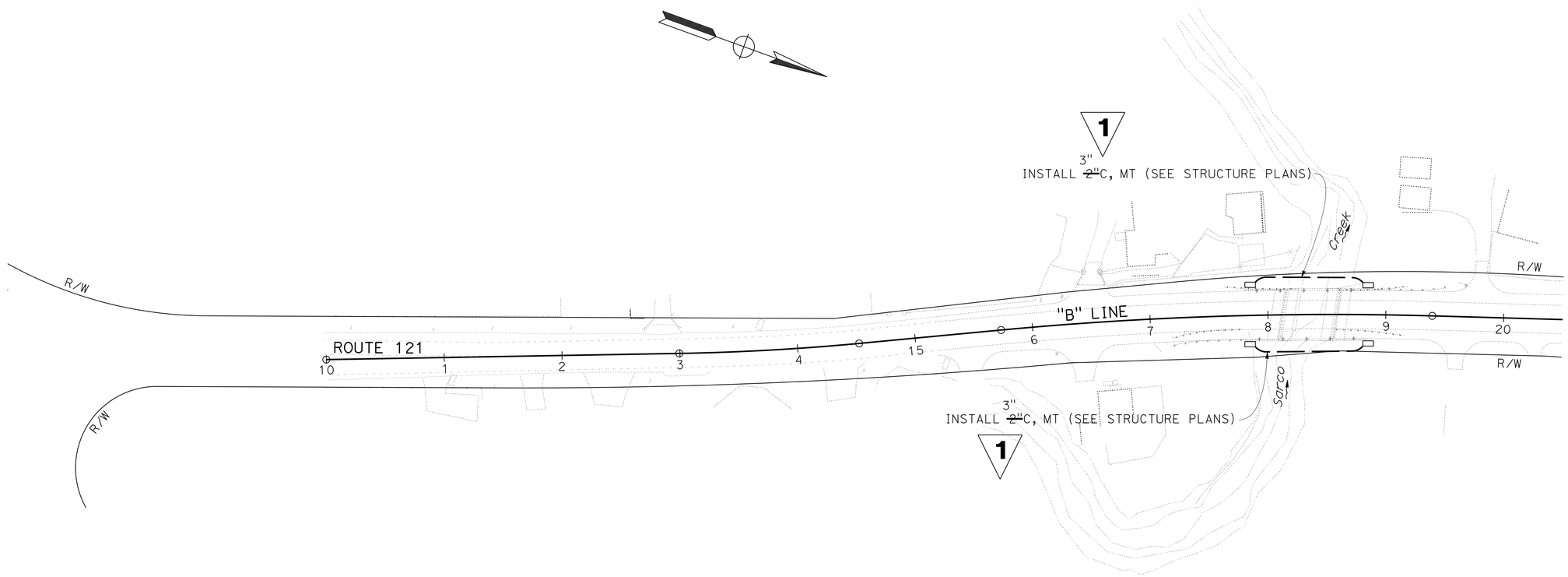
3-28-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Nasrin Gharib
No. 17498
Exp. 6-30-17
ELECTRICAL
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:

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



1 **REPLACED PER ADDENDUM No. 1 DATED OCTOBER 13, 2016**

APPROVED FOR ELECTRICAL WORK ONLY

1

SYSTEM LIGHTING ~~CONDUIT~~ ~~(BRIDGE)~~

SCALE: 1" = 50'

E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ELECTRICAL

FUNCTIONAL SUPERVISOR: BEHZAD GOLEMOHAMMADI
CALCULATED-DESIGNED BY: NASRIN GHARIB
CHECKED BY: BEHZAD GOLEMOHAMMADI
REVISED BY: NG
DATE REVISED: 10-8-15

LAST REVISION 01-29-16
DATE PLOTTED => 04-OCT-2016
TIME PLOTTED => 13:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Nap	121	9.2/9.4	53	114

Nasrin Gharib 2-23-16
REGISTERED ELECTRICAL ENGINEER DATE

3-28-16
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Nasrin Gharib
No. 17498
Exp. 6-30-17
ELECTRICAL
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.

1

LIGHTING SYSTEM
~~COMMUNICATION CONDUIT (BRIDGE)~~

SHEET No.	No. 5 PULL BOX	~~2"~~ 3" CONDUIT (TYPE 1)
	EA	ft
E-1	4	~~145~~ 230

1 1

ITEMS SHOWN IN THE TABLE ARE NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

1 **REPLACED PER ADDENDUM No. 1 DATED OCTOBER 13, 2016**

ELECTRICAL QUANTITIES

E-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ELECTRICAL

FUNCTIONAL SUPERVISOR: BEHZAD GOLEMOHAMMADI
CALCULATED-DESIGNED BY: NASRIN GHARIB
CHECKED BY: BEHZAD GOLEMOHAMMADI
REVISED BY: NG
DATE REVISED: 10-8-15

LAST REVISION 02-04-16
DATE PLOTTED => 04-OCT-2016
TIME PLOTTED => 13:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Nap	121	9.2/9.4	95A	114

1

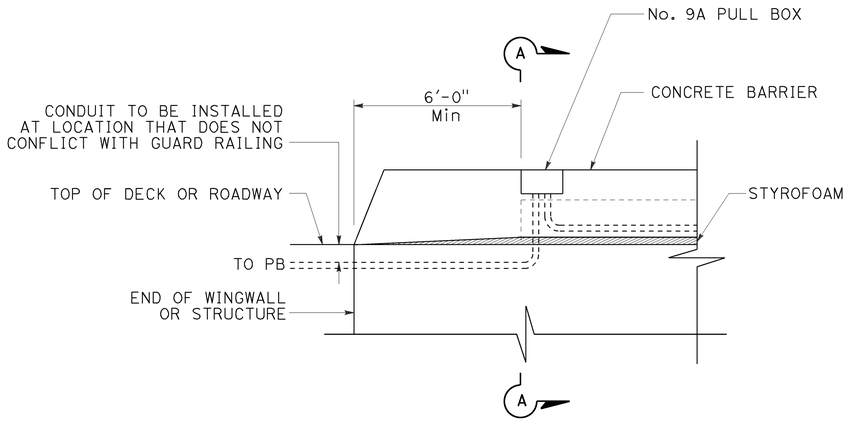
Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

October 30, 2015
PLANS APPROVAL DATE

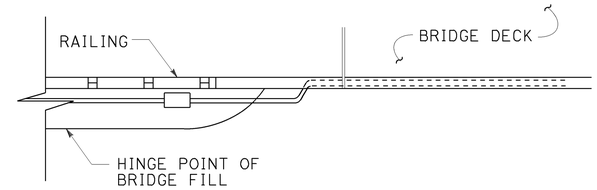
REGISTERED PROFESSIONAL ENGINEER
Theresa Aziz Gabriel
No. E15129
Exp. 6-30-16
ELECTRICAL
STATE OF CALIFORNIA

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.

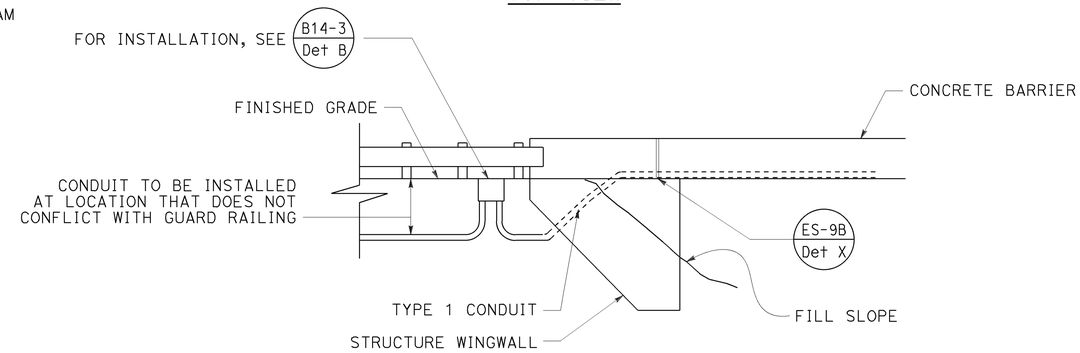
TO ACCOMPANY PLANS DATED 3-28-16



SIDE VIEW

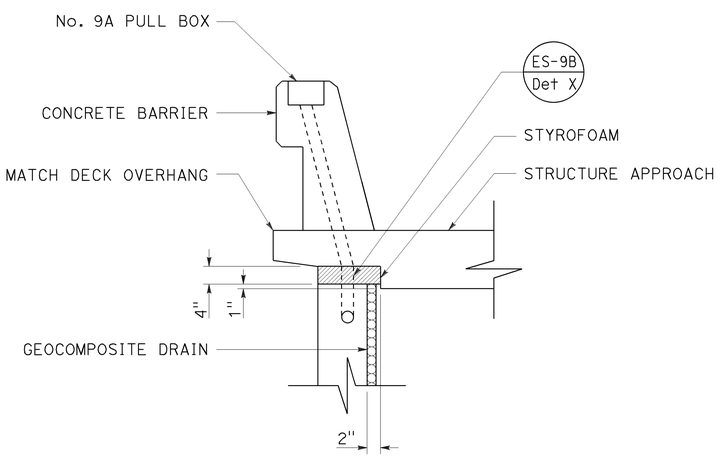


TOP VIEW



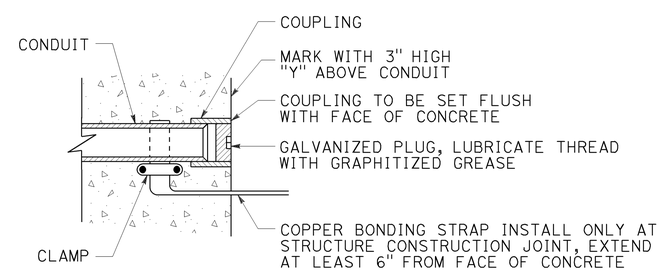
SIDE VIEW

CONDUIT TERMINATION
DETAIL I



SECTION A-A

CONDUIT TERMINATION
DETAIL A



CONDUIT TERMINATION
DETAIL C

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (STRUCTURE PULL BOX INSTALLATIONS)

NO SCALE

RSP ES-9A DATED OCTOBER 30, 2015 SUPERSEDES STANDARD PLAN ES-9A DATED MAY 20, 2011 - PAGE 481 OF THE STANDARD PLANS BOOK DATED 2010.

1 **ADDED PER ADDENDUM No. 1 DATED OCTOBER 13, 2016**

REVISED STANDARD PLAN RSP ES-9A

2010 REVISED STANDARD PLAN RSP ES-9A

8-20-15