

INDEX OF PLANS

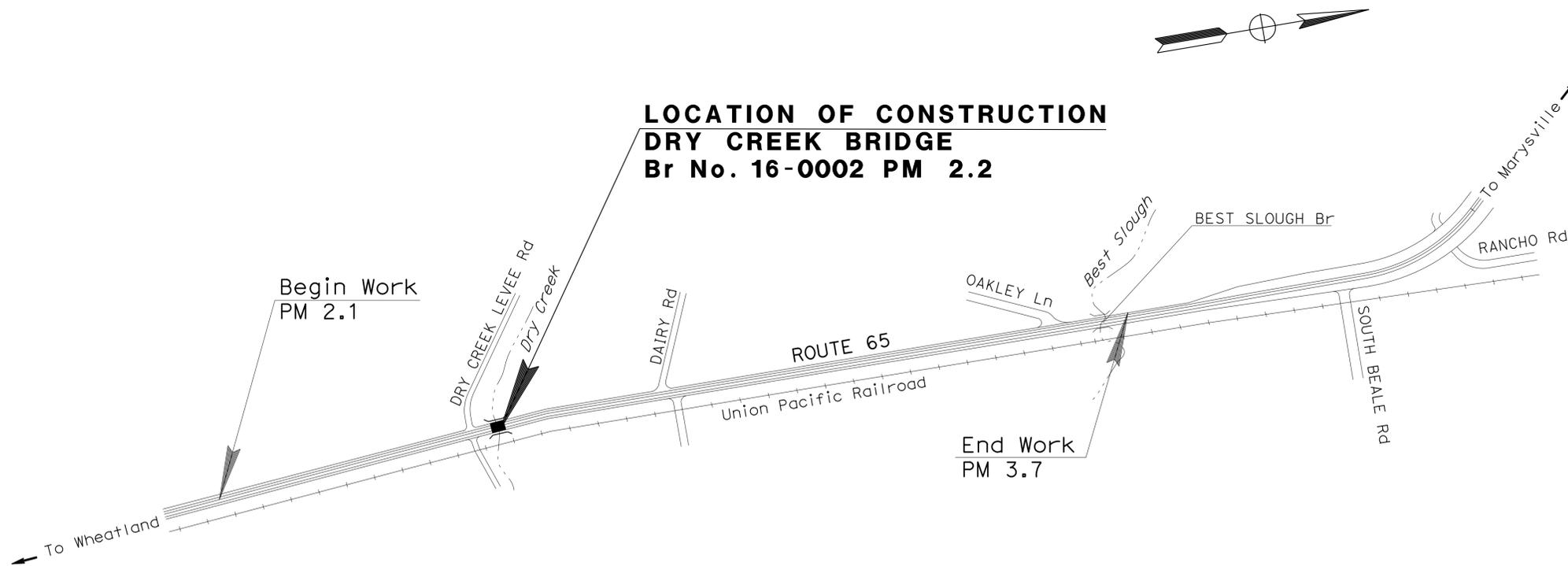
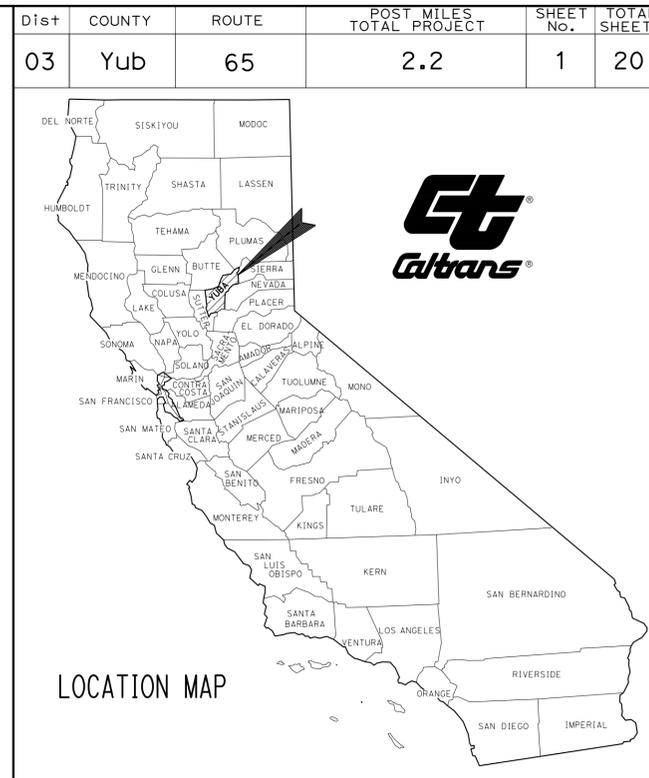
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-4	CONSTRUCTION DETAILS
5	UTILITY PLAN
6	CONSTRUCTION AREA SIGNS
7	SUMMARY OF QUANTITIES
8	EROSION CONTROL LEGEND AND QUANTITIES
9	EROSION CONTROL PLAN
10	EROSION CONTROL DETAILS
11-15	REVISED STANDARD PLANS

STRUCTURE PLANS
16-20 DRY CREEK BRIDGE

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA ACBHNH-P065(098)E
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN YUBA COUNTY NEAR WHEATLAND
AT DRY CREEK BRIDGE

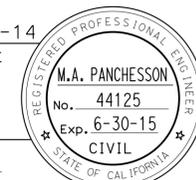
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



PROJECT MANAGER
JOHN HOLDER

DESIGN ENGINEER
ALI KIANI

M.A. Panchesson 9-18-14
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER



October 6, 2014
 PLANS APPROVAL DATE

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.

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

CONTRACT No.	03-OF2704
PROJECT ID	030000076

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. HORIZONTAL CONTROL FOR THIS PROJECT USED AN ASSUMED ARBITRARY COORDINATE SYSTEM. GRID DISTANCES AND GRID BEARINGS SHOWN. TO OBTAIN GROUND DISTANCES, DIVIDE THE GRID DISTANCES BY THE AVERAGE COMBINED GRID FACTOR OF 0.999996.
3. ELEVATIONS BASED ON THE 1988 NORTH AMERICAN VERTICAL DATUM.
4. FOR WILDLIFE PATH SECTIONS A-A AND B-B, SEE SHEET C-2.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	2	20

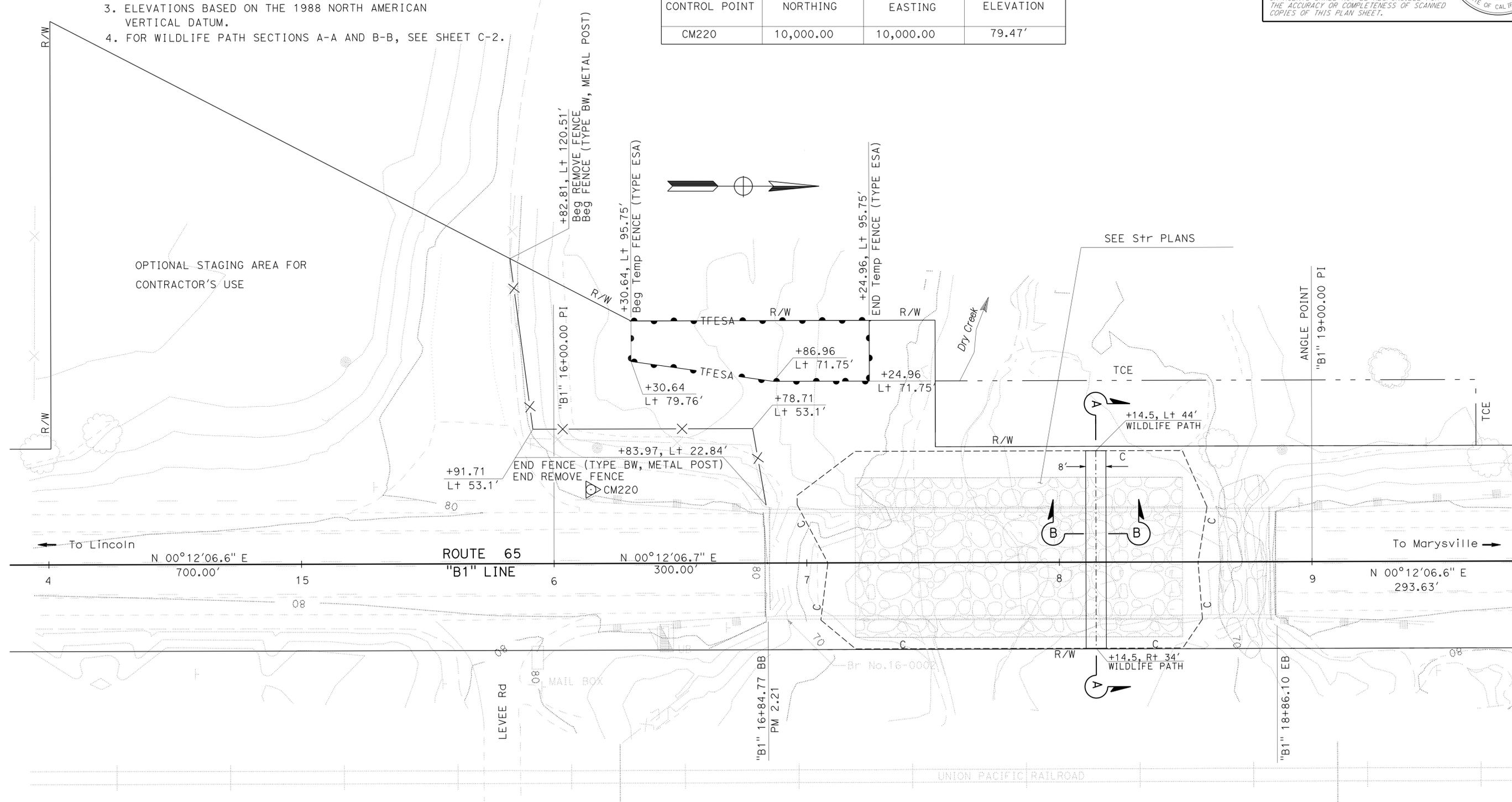
M.A. Panchesson 9-18-14
 REGISTERED CIVIL ENGINEER DATE
 10-6-14
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
 M.A. PANCHESSON
 No. 44125
 Exp. 6-30-15
 CIVIL
 STATE OF CALIFORNIA

PROJECT CONTROL

CONTROL POINT	NORTHING	EASTING	ELEVATION
CM220	10,000.00	10,000.00	79.47'



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
 FUNCTIONAL SUPERVISOR: ALI KIANI
 CALCULATED/DESIGNED BY: DON WEHRLY
 CHECKED BY: MIKE PANCHESSON
 REVISED BY: DATE REVISIONS

CONSTRUCTION DETAILS

SCALE: 1"=20'

C-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	3	20

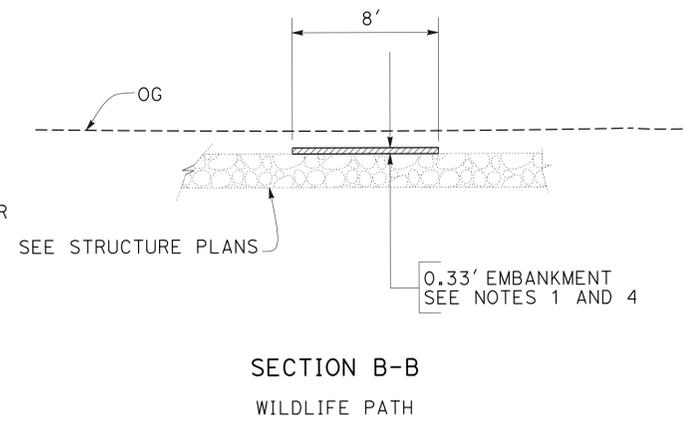
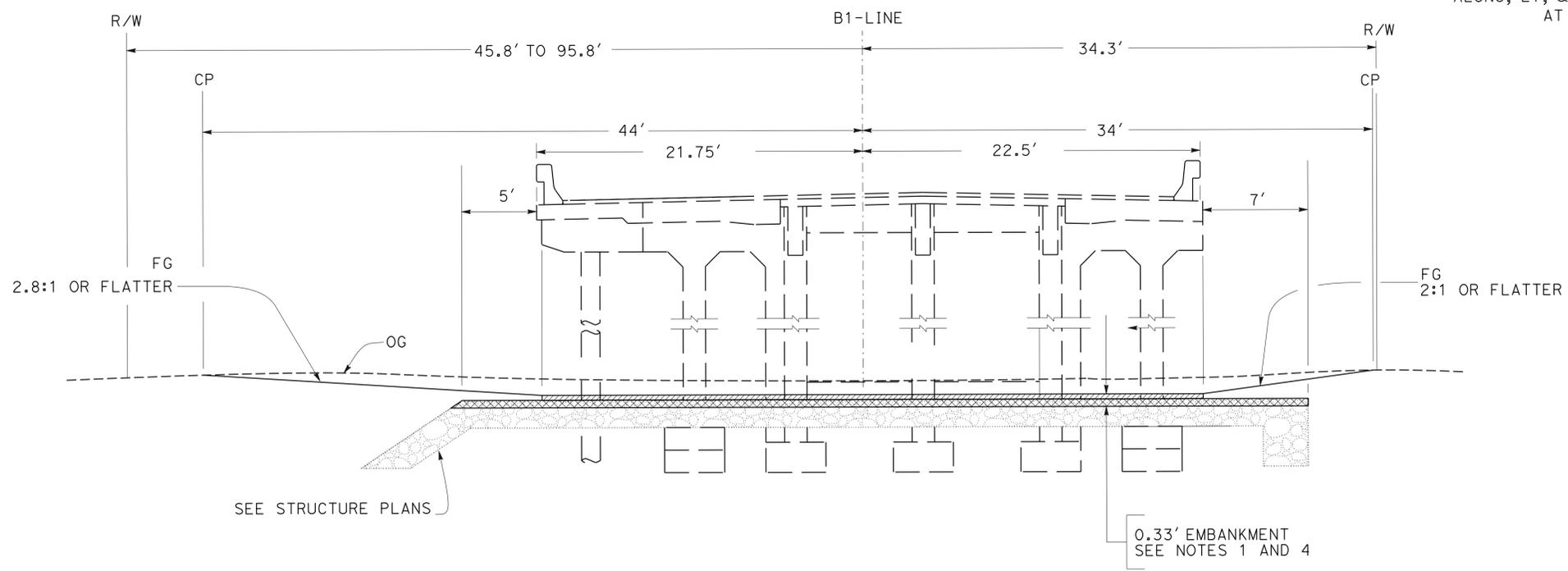
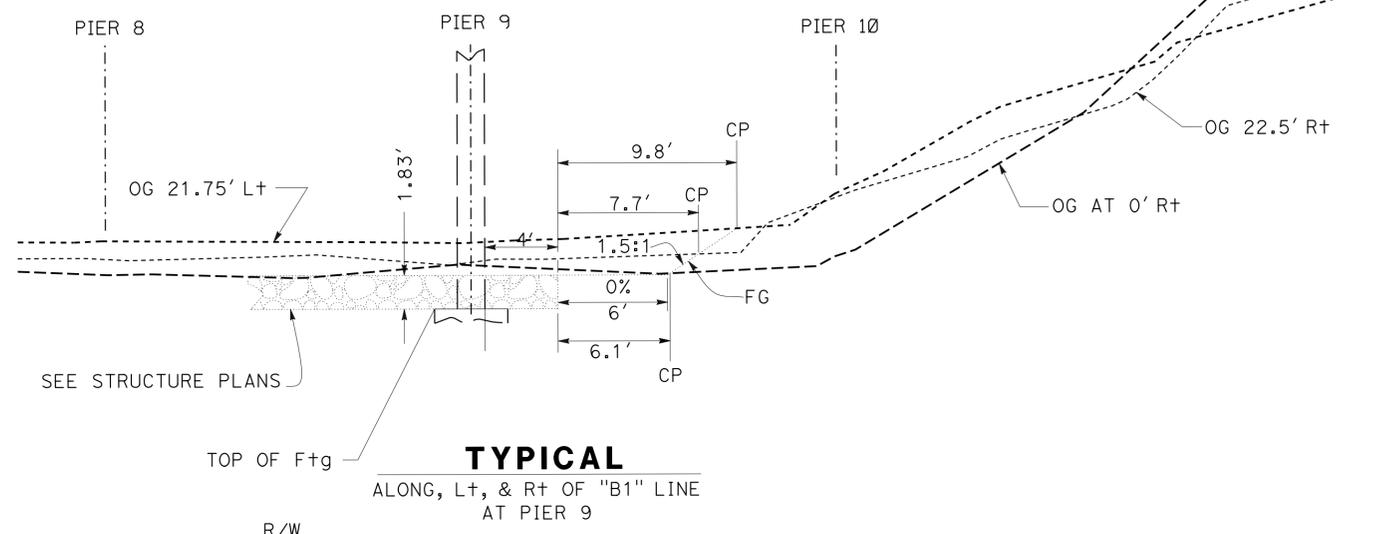
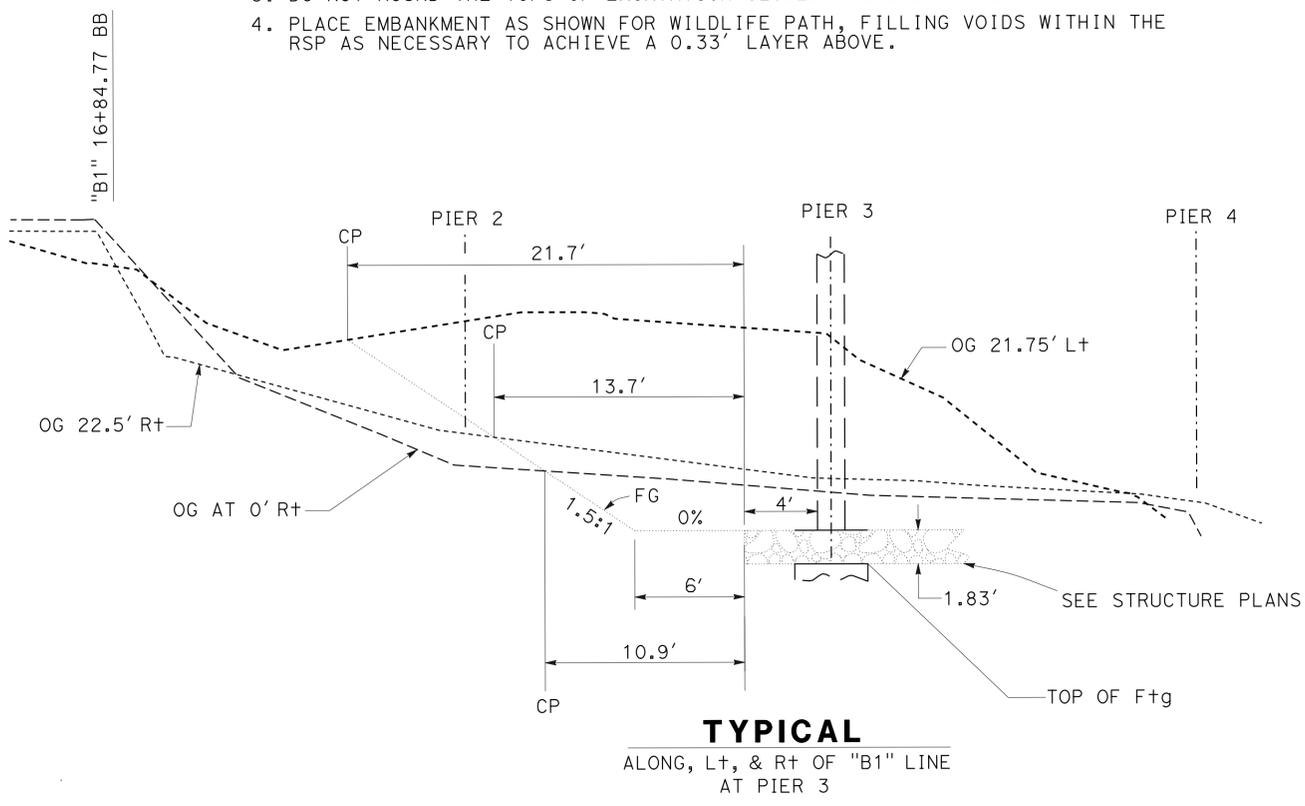
M.A. Panchesson 9-18-14	
REGISTERED CIVIL ENGINEER	DATE
10-6-14	
PLANS APPROVAL DATE	

M.A. PANCHESSON	
No. 44125	REGISTERED PROFESSIONAL ENGINEER
Exp. 6-30-15	STATE OF CALIFORNIA
CIVIL	

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NOTES:

1. FOR WIDLIFE PATH PLAN VIEW, SHEET C-1.
2. OG BASED ON GROUND SURVEY COMPLETED DECEMBER 01, 2010.
3. DO NOT ROUND THE TOPS OF EXCAVATION SLOPES AND ENDS OF EXCAVATIONS.
4. PLACE EMBANKMENT AS SHOWN FOR WILDLIFE PATH, FILLING VOIDS WITHIN THE RSP AS NECESSARY TO ACHIEVE A 0.33' LAYER ABOVE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: ALI KIANI
 CALCULATED/DESIGNED BY: MIKE PANCHESSON
 CHECKED BY:
 REVISIONS:
 REVISION NO. DATE REVISION BY

USERNAME => s119538
 DGN FILE => 0300000076ga002.dgn

RELATIVE BORDER SCALE IS IN INCHES
 0 1 2 3

UNIT 0308

PROJECT NUMBER & PHASE

03000000761

CONSTRUCTION DETAILS
NO SCALE

LAST REVISION DATE PLOTTED => 20-OCT-2014
 00-00-00 TIME PLOTTED => 08:40

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	4	20

M.A. Panchesson 9-18-14
 REGISTERED CIVIL ENGINEER DATE

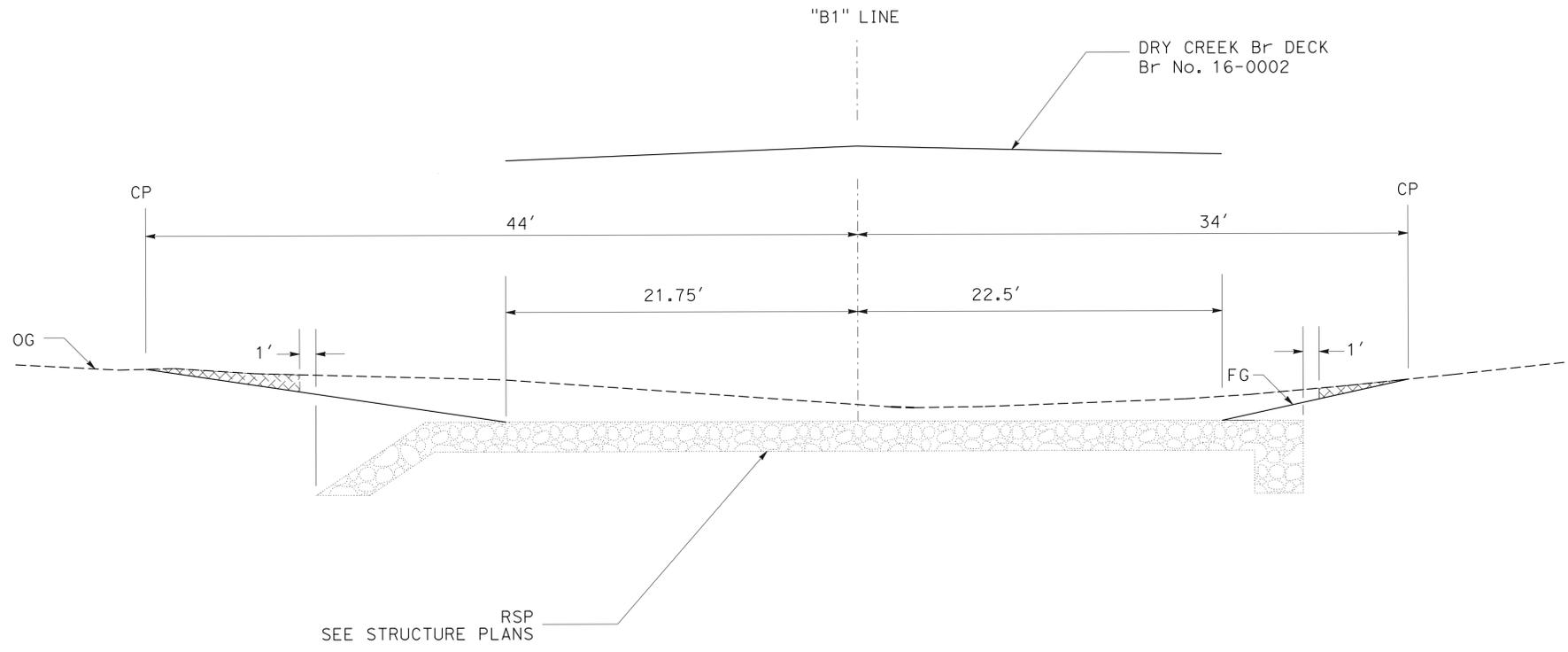
10-6-14
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 M.A. PANCHESSON
 No. 44125
 Exp. 6-30-15
 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.

LEGEND

 PAY LIMITS OF ROADWAY EXCAVATION



PAY LIMITS

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR: ALI KIANI
 CALCULATED/DESIGNED BY: DON WEHRLY
 CHECKED BY: MIKE PANCHESSON
 REVISED BY: DATE
 REVISED BY: DATE

CONSTRUCTION DETAILS

NO SCALE

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: CHARLES LAUGHLIN
 CALCULATED/DESIGNED BY: THIEEN SLOCUM
 CHECKED BY: RUSS PETTY
 REVISED BY: THIEEN SLOCUM
 DATE REVISED: RUSS PETTY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	5	20

REGISTERED CIVIL ENGINEER: *Thien Slocum* 9-9-14
 DATE: 10-6-14
 PLANS APPROVAL DATE: 10-6-14

REGISTERED PROFESSIONAL ENGINEER: THIEEN H. SLOCUM
 No. C. 77253
 Exp. 6-30-15
 CIVIL
 STATE OF CALIFORNIA

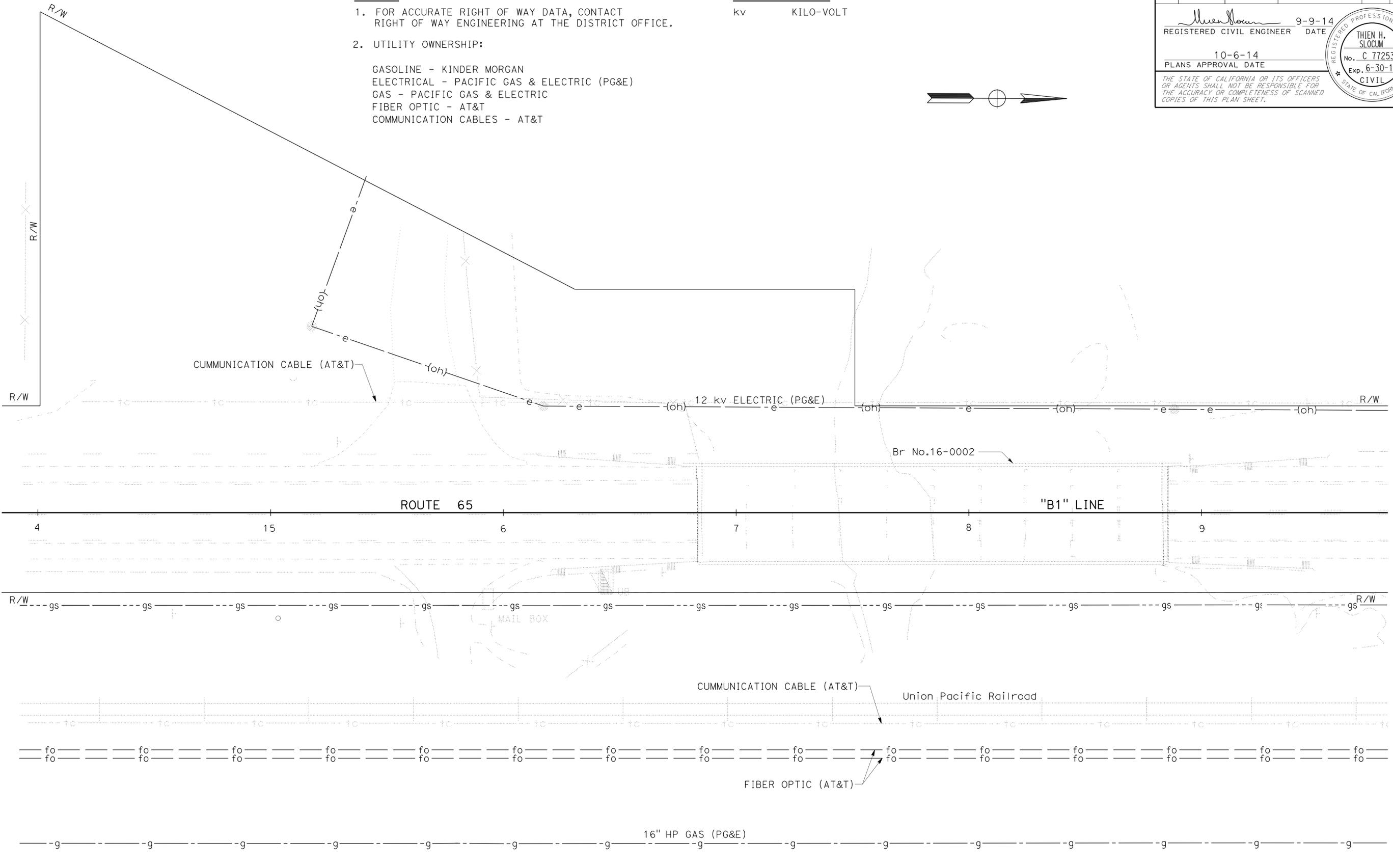
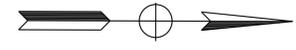
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NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- UTILITY OWNERSHIP:
 GASOLINE - KINDER MORGAN
 ELECTRICAL - PACIFIC GAS & ELECTRIC (PG&E)
 GAS - PACIFIC GAS & ELECTRIC
 FIBER OPTIC - AT&T
 COMMUNICATION CABLES - AT&T

ABBREVIATION:

kv KILO-VOLT



APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
 SCALE: 1"=20'

U-1

LAST REVISION DATE PLOTTED => 13-OCT-2014
 09-10-14 TIME PLOTTED => 14:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	6	20

Kris M. Albers 10-6-14
REGISTERED CIVIL ENGINEER DATE

10-6-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
KRIS M. ALBERS
No. 49986
Exp. 6-30-15
CIVIL
STATE OF CALIFORNIA

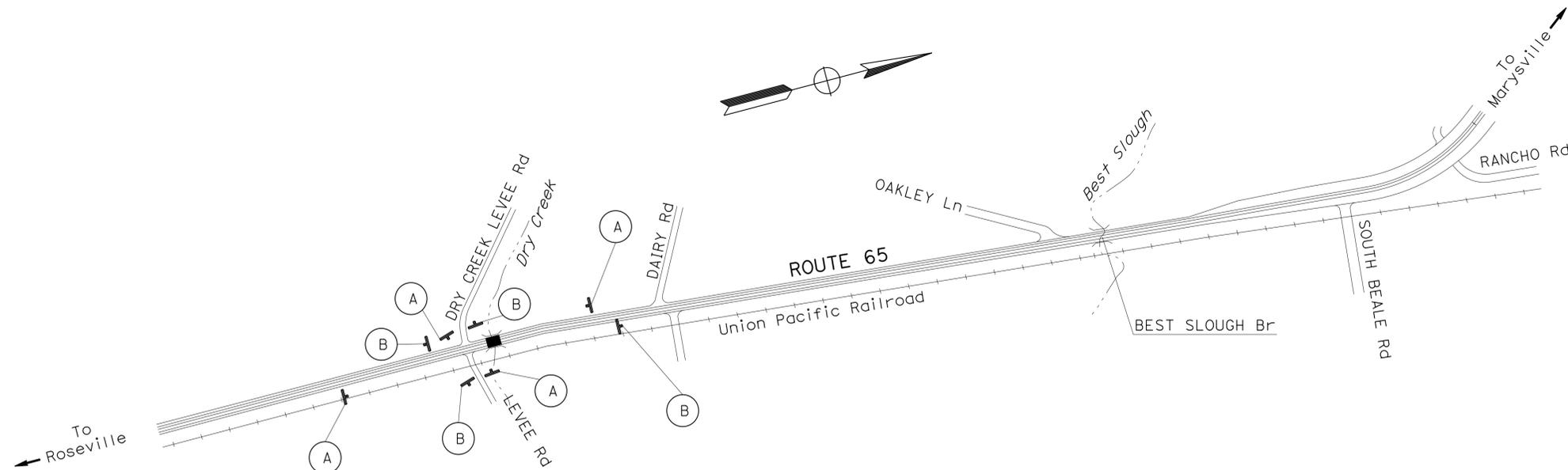
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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	4
B	G20-2		36" x 18"	END ROAD WORK	1 - 4" x 4"	4

NOTES:

1. EXACT SIGN LOCATION TO BE DETERMINED BY THE ENGINEER.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC
FUNCTIONAL SUPERVISOR
SERGIO ACEVES
CALCULATED/DESIGNED BY
CHECKED BY
Kris Albers
Chuck Cook
REVISED BY
DATE REVISED

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	7	20

M.A. Panchesson 9-18-14
 REGISTERED CIVIL ENGINEER DATE

10-6-14
 PLANS APPROVAL DATE

M.A. PANCHESSON
 No. 44125
 Exp. 6-30-15
 CIVIL

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 EXCAVATION

STATION	ROADWAY EXCAVATION
	CY
"B1" 16+98.3 TO 17+19.5	135
"B1" 17+19.5 TO 18+48.75	19
"B1" 18+48.75 TO 18+57.8	23
TOTAL	177

TEMPORARY FENCE (TYPE ESA)

LOCATION	LF
L+ "B1" 16+30.64 TO 17+24.96	230
TOTAL	230

FENCE

STATION	REMOVE FENCE	FENCE (TYPE BW, METAL POST)
	LF	LF
L+ "B1" 15+82.81 TO 16+83.97	187	
L+ "B1" 15+82.81 TO 16+83.97		187
TOTAL	187	187

TEMPORARY WATER POLLUTION CONTROL

BEST MANAGEMENT PRACTICE	UNIT OF MEASURE	STATION	QUANTITY
TEMPORARY COVER	SQYD	"B1" 15+80 TO 18+50	1791
TEMPORARY FIBER ROLL	LF	L+ "B1" 14+00 TO 15+50	250
TEMPORARY REINFORCED SILT FENCE	LF	L+ "B1" 16+00 TO 19+00	300
TEMPORARY CONSTRUCTION ENTRANCE	EA	L+ "B1" 15+80	1

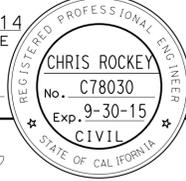
SUMMARY OF QUANTITIES
Q-1

FIBER ROLLS

SEQUENCE	ITEM	MATERIAL		REMARKS
		DESCRIPTION	TYPE	
IN EC TYPE 1 AREAS FIBER ROLLS MUST BE INSTALLED BEFORE COMPOST	FIBER ROLLS	FIBER ROLL	TYPE B 8" TO 10" Dia	TYPE 2 FIBER ROLL INSTALLATION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	8	20

 9-9-14
 REGISTERED CIVIL ENGINEER DATE
 10-6-14
 PLANS APPROVAL DATE



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EROSION CONTROL (TYPE 1)

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	COMPOST	COMPOST	MEDIUM	1" DEPTH
STEP 2	EROSION CONTROL (DRY SEED) (SQFT)	SEED	MIX 1	42 LB/ACRE

EROSION CONTROL (TYPE 2)

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	COMPOST	COMPOST	MEDIUM	1" DEPTH
STEP 2	EROSION CONTROL (DRY SEED) (SQFT)	SEED	MIX 1	42 LB/ACRE
STEP 3	ROLLED EROSION CONTROL PRODUCT (BLANKET)	EROSION CONTROL BLANKET	B	

EROSION CONTROL (TYPE 3)

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	COMPOST	COMPOST	MEDIUM	3.5" DEPTH
STEP 2	INCORPORATE MATERIALS	COMPOST MIX WITH/NATIVE MATERIAL		9 INCH DEPTH
STEP 3	EROSION CONTROL (DRY SEED) (SQFT)	SEED	MIX 1	42 LB/ACRE
STEP 4	COMPOST	COMPOST	MEDIUM	1" Depth

SEED MIX

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ACHILLEA MILLIFOLIUM (WHITE YARROW)	40	1.0
ARTEMISIA DOUGLASIANA (MOLCALIFORNIA MUGWORT)	20	3.0
BROMUS CARINATUS (CALIFORNIA BROME)	60	20.0
DISCHAMPسيا CESPITOSA (TUFTED HAIR GRASS)	56	1.0
HORDIUM BRACHYANTHERUM (MEADOW BARLEY)	56	8.0
LEYMUS TRITICOIDES (CREEPING WILD RYE)	56	9.0
		TOTAL 42 LBS

EROSION CONTROL QUANTITIES

LOCATION AREA	EROSION CONTROL (TYPE)	COMPOST SQFT		INCORPORATE MATERIALS SQFT	EROSION CONTROL (DRY SEED) SQFT	ROLLED EROSION CONTROL PRODUCT (BLANKET) SQFT	FIBER ROLLS LF	COMMENTS
		1"	3.5"					
A	1	16,114			16,114	—	—	
B	3	5,780	5,780	5,780	5,780	—	—	DECOMPACT VEHICLE ACCESS
C	2	7,522			7,522	7,789	467.7	AROUND CREEK AND RSP
D	1	4,497			4,497	—	—	
TOTAL		33,913	5,780	5,780	33,913	7,789	467.7	

EROSION CONTROL LEGEND AND QUANTITIES

ECL-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DIVISION OF ENGINEERING
 FUNCTIONAL SUPERVISOR DENNIS JAGODA
 CALCULATED/DESIGNED BY LESLEY MORGAN
 CHECKED BY CHRIS ROCKEY
 REVISED BY DATE
 REVISIONS: 03-27-14



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	9	20

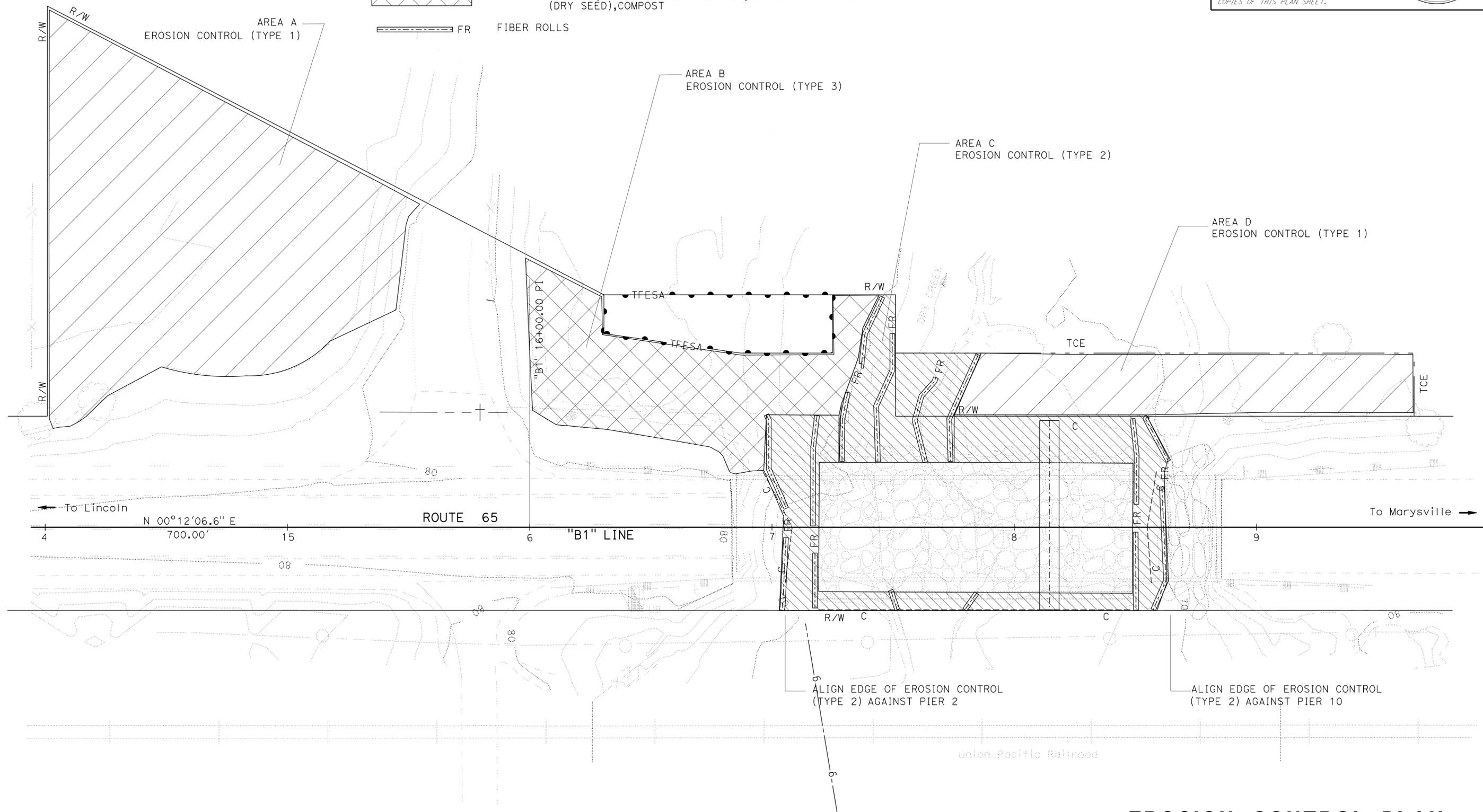
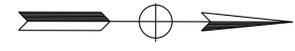
<i>CRS</i>	9-9-14
REGISTERED CIVIL ENGINEER	DATE
10-6-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
CHRIS ROCKEY
No. C78030
Exp. 9-30-15
CIVIL

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

- LEGEND**
- TYPE 1- EROSION CONTROL (TYPE 1) SEQUENCE COMPOST, EROSION CONTROL (DRY SEED)
 - TYPE 2- EROSION CONTROL (TYPE 2) SEQUENCE COMPOST, EROSION CONTROL (DRY SEED) ROLLED EROSION CONTROL PRODUCT (BLANKET)
 - TYPE 3- EROSION CONTROL (TYPE 3) SEQUENCE COMPOST, INCORPORATE MATERIALS, EROSION CONTROL (DRY SEED), COMPOST
 - FR FIBER ROLLS



EROSION CONTROL PLAN
SCALE 1"=20'
EC-1

APPROVED FOR EROSION CONTROL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DIVISION OF ENGINEERING
FUNCTIONAL SUPERVISOR
DENNIS JAGODA
CALCULATED/DESIGNED BY
CHECKED BY
LESLEY E. MORGAN
CHRIS ROCKEY
REVISED BY
DATE REVISED

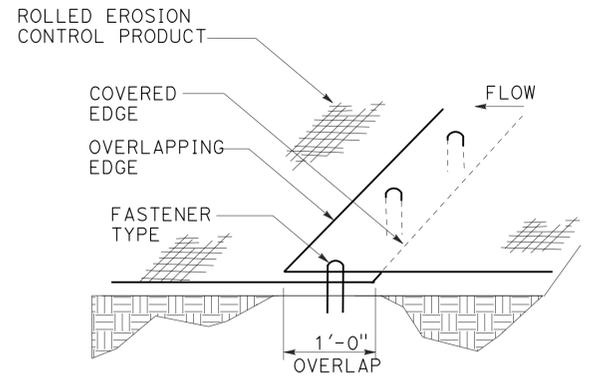
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	10	20

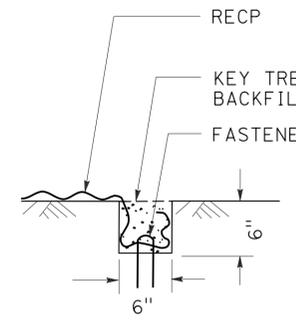
REGISTERED CIVIL ENGINEER DATE 9-9-14
 10-6-14
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 No. C78030
 Exp. 9-30-15
 CIVIL
 STATE OF CALIFORNIA

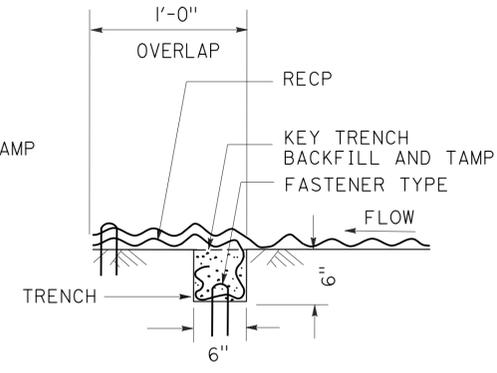
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**PERSPECTIVE
DETAIL A
LONGITUDINAL ROLLED EROSION
CONTROL PRODUCT JOINT**

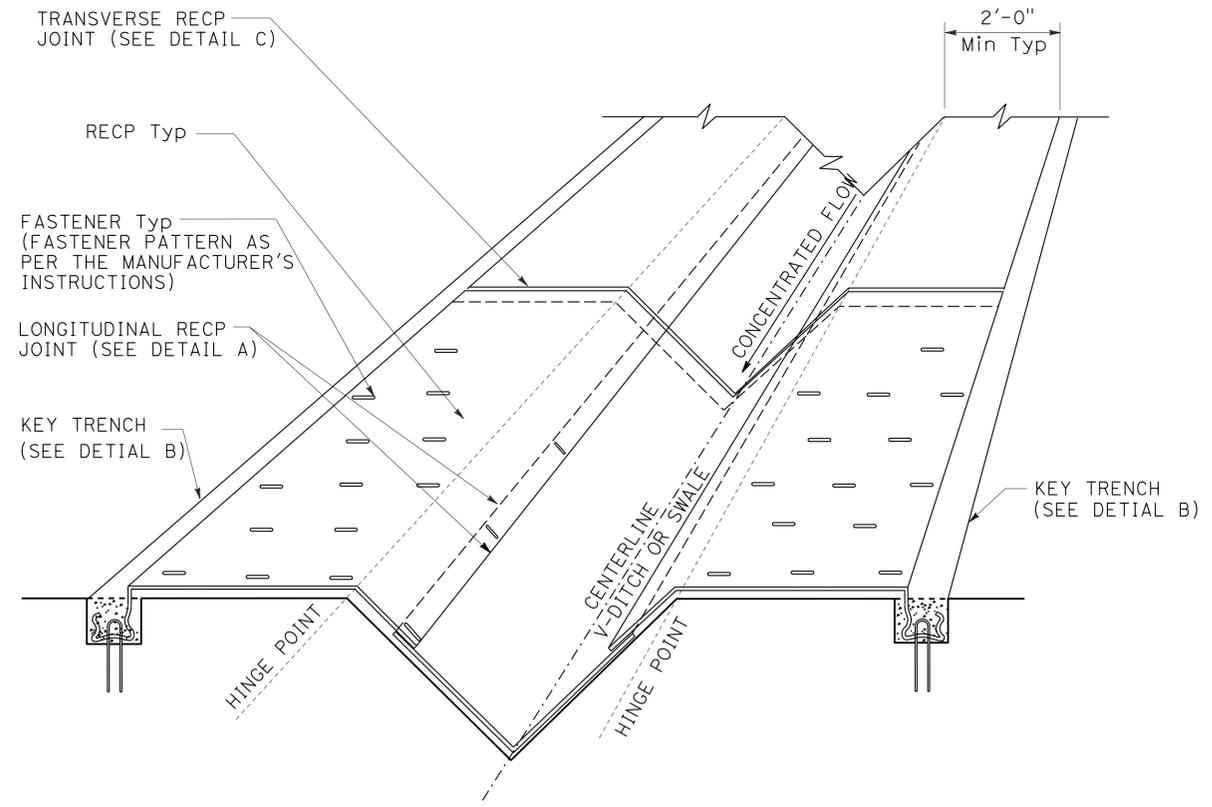


**SECTION
DETAIL B
KEY TRENCH**

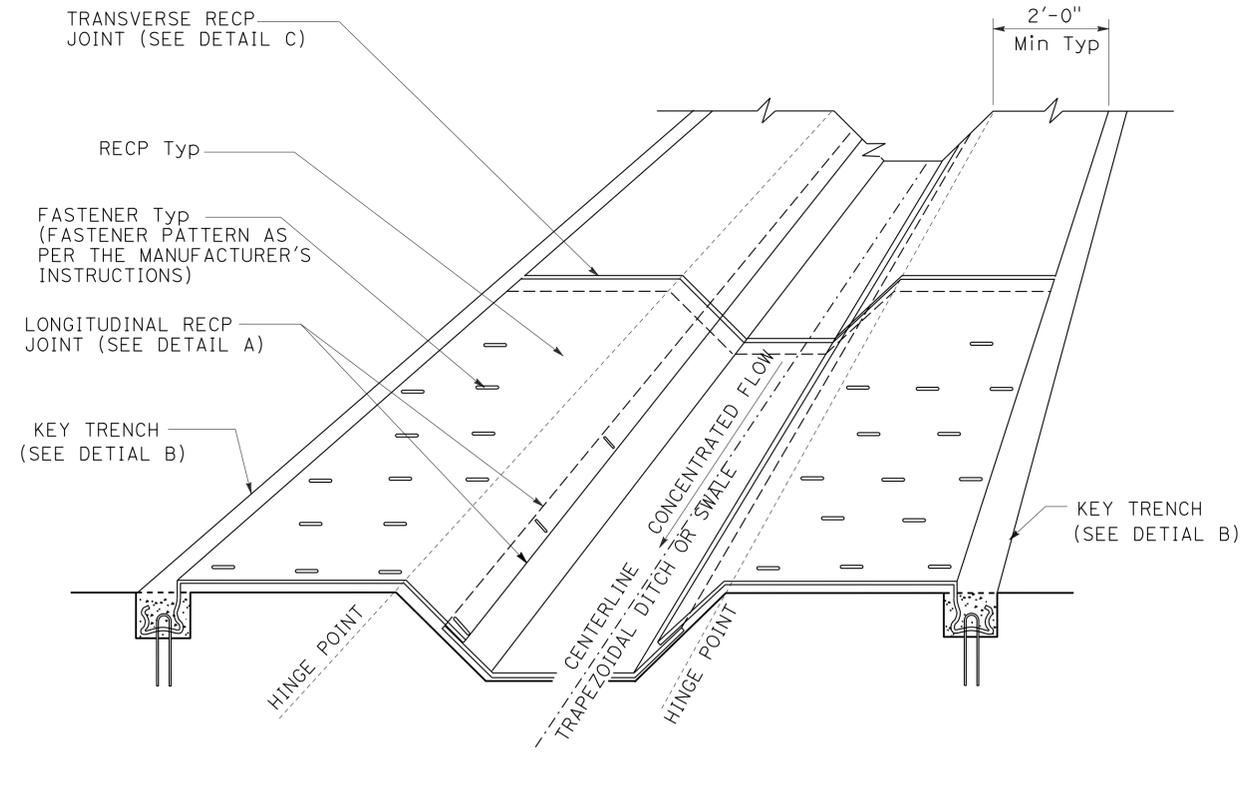


**SECTION
DETAIL C
TRANSVERSE ROLLED EROSION
CONTROL PRODUCT JOINT**

NOTE:
1. FOR CLARITY, PERSPECTIVE VIEW DOES NOT SHOW ALL OF THE FASTENERS REQUIRED FOR INSTALLATION.



**PERSPECTIVE
ROLLED EROSION CONTROL PRODUCT
IN V-DITCH OR SWALE**



**PERSPECTIVE
ROLLED EROSION CONTROL PRODUCT
IN V-DITCH OR SWALE**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DIVISION OF ENGINEERING
 Et Caltrans®
 FUNCTIONAL SUPERVISOR DENNIS JAGODA
 CALCULATED/DESIGNED BY CHECKED BY
 CHRIS ROCKEY LESLEY MORGAN
 REVISED BY DATE REVISED
 USERNAME => s130875
 DGN FILE => 0300000076+f001.dgn

APPROVED FOR EROSION CONTROL WORK ONLY



UNIT 0359

EROSION CONTROL DETAILS
NO SCALE

ECD-1

PROJECT NUMBER & PHASE

03000000761

LAST REVISION | DATE PLOTTED => 13-OCT-2014
 03-27-14 TIME PLOTTED => 14:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	11	20

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

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 10-6-14

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
∅	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A10B

	M
Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
MtI	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT
	N
N	NORTH
NB	NORTHBOUND
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NS	NEAR SIDE
NSP	NEW STANDARD PLAN
NTS	NOT TO SCALE
	O
Obir	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN
	P
p	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PEC	PERMIT TO ENTER AND CONSTRUCT
Ped	PEDESTRIAN
Ped OC	PEDESTRIAN OVERCROSSING
Ped UC	PEDESTRIAN UNDERCROSSING
Perm MtI	PERMEABLE MATERIAL

	P continued
PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
PL, PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT
	Q
Qty	QUANTITY
	R
R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
Rd	ROAD
Reinf	REINFORCED, REINFORCEMENT, REINFORCING
Rel	RELOCATE
Repl	REPLACEMENT
Ret	RETAINING
Rev	REVISED, REVISION
Rdwy	ROADWAY
RHMA	RUBBERIZED HOT MIX ASPHALT
Riv	RIVER
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
Rwy	RAILWAY

	S
S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
ℒ	STATION LINE
SM	SELECTED MATERIAL
Spec	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK, SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES
	T
T	SEMI-TANGENT
Tan	TANGENT
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
TeI	TELEPHONE
Temp	TEMPORARY
TG	TOP OF GRADE
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
Trans	TRANSITION

	T continued
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL
	U
UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
	V
V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME
	W
W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
	X
X Sec	CROSS SECTION
Xing	CROSSING
	Y
Yr	YEAR
Yrs	YEARS

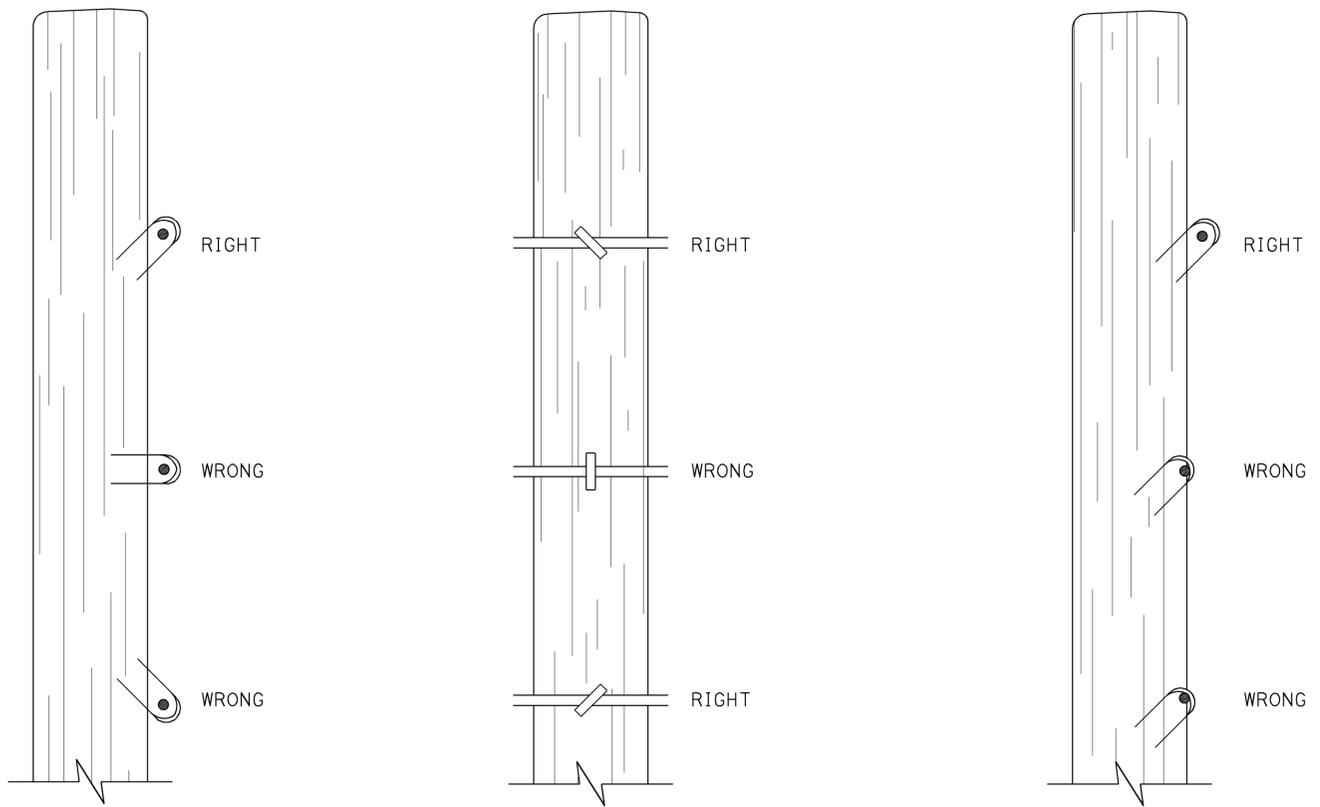
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	12	20

Raymond Don Tsztso
 REGISTERED CIVIL ENGINEER
 October 19, 2012
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Raymond Don Tsztso
 No. C37332
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 10-6-14

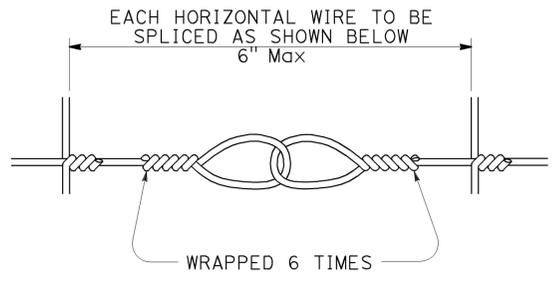


DRIVE STAPLES AT ANGLE

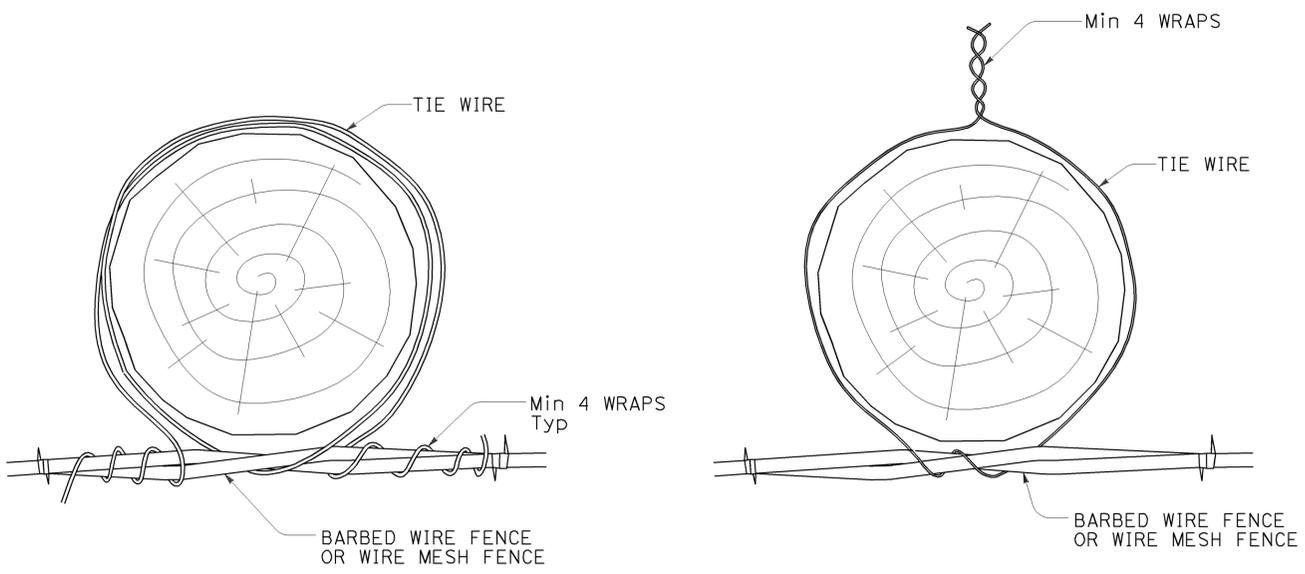
DO NOT DRIVE STAPLES PARALLEL TO SIDE OF POST

LEAVE WIRE LOOSE IN STAPLE

LINE POST STAPLING DETAILS
 (Apply to rectangular/square and round posts)
 Do not staple vertical wire in wire mesh.



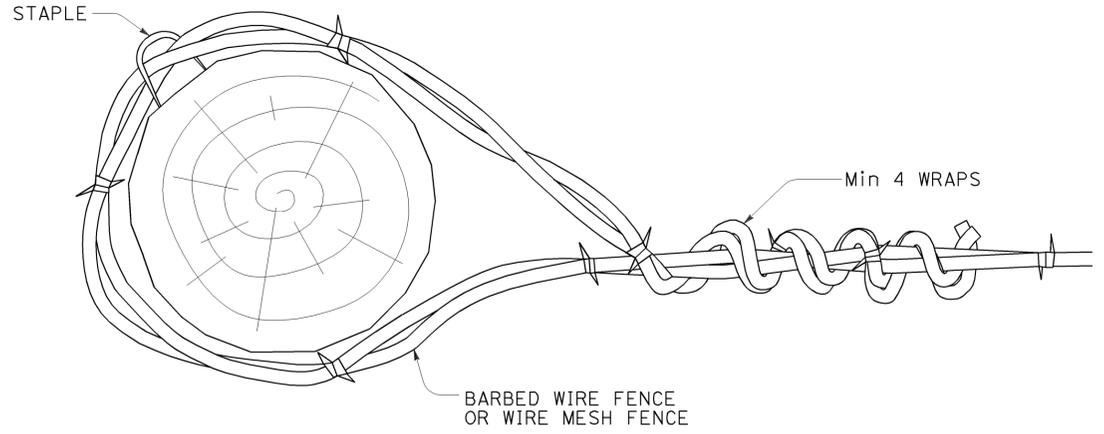
SPLICE DETAIL FOR BARBED WIRE/WIRE MESH FENCE



OPTION A

OPTION B

LINE POST WIRE TIE OPTION DETAILS
 (Option details also apply to rectangular/square posts)



END, LATCH, PULL, AND CORNER POST DETAIL
 (Also applies to rectangular/square posts)

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
BARBED WIRE AND WIRE MESH FENCE - MISCELLANEOUS DETAILS

NO SCALE

RSP A86D DATED OCTOBER 19, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A86D

2010 REVISED STANDARD PLAN RSP A86D

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	13	20

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

July 19, 2013
PLANS APPROVAL DATE

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TO ACCOMPANY PLANS DATED 10-6-14

2010 REVISED STANDARD PLAN RSP H1

A

AB AGGREGATE BASE
 ABS ACRYLONITRILE-BUTADIENE-STYRENE
 AC ASPHALT CONCRETE
 ACC ARMOR-CLAD CONDUCTORS
 Adj ADJACENT/ADJUSTABLE
 AIC AUXILIARY IRRIGATION CONTROLLER
 Alt ALTERNATIVE
 AMEND AMENDMENT
 ARV AIR RELEASE VALVE
 AUTO AUTOMATIC
 AUX AUXILIARY
 AVB ATMOSPHERIC VACUUM BREAKER

B

B&B BALLED AND BURLAPPED
 B/B BRASS/BRONZE
 B/B/PL BRASS/BRONZE/PLASTIC
 B/PL BRASS/PLASTIC
 BFM BONDED FIBER MATRIX
 Bit Ctd BITUMINOUS COATED
 BP BOOSTER PUMP
 BPA BACKFLOW PREVENTER ASSEMBLY
 BPE BACKFLOW PREVENTER ENCLOSURE
 BV BALL VALVE

C

C CONDUIT
 CAP CORRUGATED ALUMINUM PIPE
 CARV COMBINATION AIR RELEASE VALVE
 CB COUPLING BAND
 CCA CAM COUPLER ASSEMBLY
 CEC CONTROLLER ENCLOSURE CABINET
 CHDPE CORRUGATED HIGH DENSITY POLYETHYLENE
 CL CHAIN LINK
 CNC CONTROL AND NEUTRAL CONDUCTORS
 Conc CONCRETE
 CP COPPER PIPE
 CS COMPOST SOCK
 CSP CORRUGATED STEEL PIPE
 CST CENTER STRIP
 CV CHECK VALVE

D

Dia DIAMETER
 DIP DUCTILE IRON PIPE
 DIT DRIP IRRIGATION TUBING
 DG DECOMPOSED GRANITE
 DN DIAMETER NOMINAL
 DVA DRIP VALVE ASSEMBLY

E

EC EROSION CONTROL
 ECTC EROSION CONTROL TECHNOLOGY COUNCIL
 ElecT ELECTRIC/ELECTRICAL
 Elev ELEVATION
 ELL ELBOW
 ENCL ENCLOSURE
 EP EDGE OF PAVEMENT
 ES EDGE OF SHOULDER
 EST END STRIP
 ESTB ESTABLISHMENT
 ETW EDGE OF TRAVELED WAY

F

F FULL CIRCLE
 F/P FULL/PART CIRCLE
 FCV FLOW CONTROL VALVE
 FERT FERTILIZER
 FG FINISHED GRADE
 FH FLEXIBLE HOSE
 FIPT FEMALE IRON PIPE THREAD
 FIS FERTILIZER INJECTOR SYSTEM
 FL FLOW LINE
 FR FIBER ROLL
 FS FLOW SENSOR
 FSC FLOW SENSOR CABLE
 FV FLUSH VALVE

G

Galv GALVANIZED
 GARV GARDEN VALVE
 GARVA GARDEN VALVE ASSEMBLY
 GM GRAVEL MULCH
 GPH GALLONS PER HOUR
 GPM GALLONS PER MINUTE
 GSP GALVANIZED STEEL PIPE
 GV GATE VALVE

H

H HALF CIRCLE
 HDPE HIGH DENSITY POLYETHYLENE
 HP HORSEPOWER/HINGE POINT
 HPL HIGH PRESSURE LINE
 Hwy HIGHWAY

I

IC IRRIGATION CONTROLLER
 ICC IRRIGATION CONTROLLER(S)
 IN CONTROLLER ENCLOSURE CABINET
 ID INSIDE DIAMETER
 IFS IRRIGATION FILTRATION SYSTEM
 IPS IRON PIPE SIZE
 IPT IRON PIPE THREAD
 Irr IRRIGATION

L

L LENGTH

M

Max MAXIMUM
 MBGR METAL BEAM GUARD RAILING
 MCV MANUAL CONTROL VALVE
 MIC MASTER IRRIGATION CONTROLLER
 Min MINIMUM
 MIPT MALE IRON PIPE THREAD
 Misc MISCELLANEOUS
 MtI MATERIAL
 MVP MAINTENANCE VEHICLE PULLOUT

N

NCN NO COMMON NAME
 NL NOZZLE LINE
 No. NUMBER
 NPT NATIONAL PIPE THREAD

O

O/C ON CENTER
 OD OUTSIDE DIAMETER
 OL OVERLAP

P

P PART CIRCLE
 PB PULL BOX
 PCC PORTLAND CEMENT CONCRETE
 PE POLYETHYLENE
 Pkt+ PACKET
 PL PLASTIC
 PLS PURE LIVE SEED
 PLT PLANT/PLANTING
 PLT ESTB PLANT ESTABLISHMENT
 PM POST MILE
 PR PRESSURE RATED
 PRLV PRESSURE RELIEF VALVE
 PRV PRESSURE REGULATING VALVE
 PVC POLYVINYL CHLORIDE
 Pvm+ PAVEMENT

Q

Q QUARTER CIRCLE
 QCV QUICK COUPLING VALVE

R

R RADIUS
 RCP REINFORCED CONCRETE PIPE
 RCV REMOTE CONTROL VALVE
 RCVM REMOTE CONTROL VALVE (MASTER)
 RCVMF REMOTE CONTROL VALVE (MASTER) W/FLOW SENSOR
 RCVP REMOTE CONTROL VALVE W/PRESSURE REGULATOR
 RCW RECYCLED WATER
 RECP ROLLED EROSION CONTROL PRODUCT
 REQ REQUIRED
 RICS REMOTE IRRIGATION CONTROL SYSTEM
 R/W RIGHT OF WAY

S

S SLIP
 SCH SCHEDULE
 SF STATE-FURNISHED
 Shld SHOULDER
 Sq SQUARE
 SST SIDE STRIP
 Sta STATION
 Std STANDARD
 SW SIDEWALK/SOUND WALL

T

T THIRD CIRCLE/THREAD
 TLS TRUCK LOADING STANDPIPE
 TQ THREE QUARTER CIRCLE
 TRM TURF REINFORCEMENT MAT
 TT TWO-THIRDS CIRCLE
 TWSA TREE WELL SPRINKLER ASSEMBLY
 Typ TYPICAL

U

UG UNDERGROUND

W

W WIDTH
 W/ WITH
 WM WATER METER
 WS WYE STRAINER
 WSA WYE STRAINER ASSEMBLY
 WSP WELDED STEEL PIPE
 WWM WELDED WIRE MESH

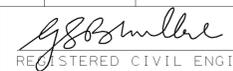
NOTE:
 For additional abbreviations,
 see Standard Plans A10A and A10B.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**LANDSCAPE AND
 EROSION CONTROL ABBREVIATIONS**
 NO SCALE

RSP H1 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H1
 DATED MAY 20, 2011 - PAGE 218 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	14	20


 REGISTERED CIVIL ENGINEER
 July 19, 2013
 PLANS APPROVAL DATE



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TO ACCOMPANY PLANS DATED 10-6-14

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING							
SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
 For speed of 40 mph or less, $L = WS^2/60$
 For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
 W = Width of offset in feet
 S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING				
SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
		ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph
 ** - Longitudinal buffer space or flagger station spacing
 *** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING			
ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM TABLES
 FOR LANE AND RAMP CLOSURES**

NO SCALE

RSP T9 DATED JULY 19, 2013 SUPERSEDES RSP T9 DATED APRIL 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9

2010 REVISED STANDARD PLAN RSP T9

NOTES:

See Revised Standard Plan RSP T9 for tables.

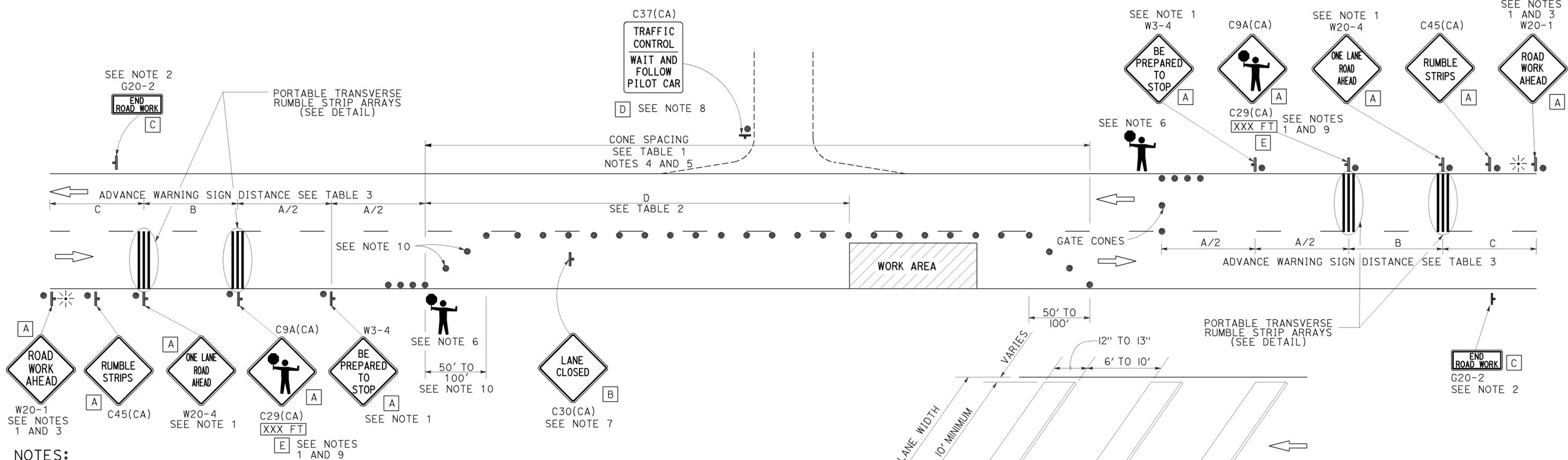
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

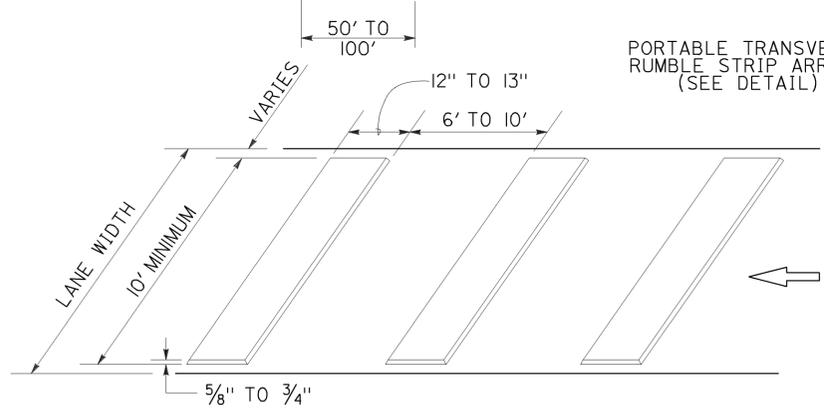
TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

TO ACCOMPANY PLANS DATED 10-6-14



- NOTES:**
- Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
 - A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
 - If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
 - All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
 - Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
 - Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.

- Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
- An optional C29(CA) sign may be placed below the C9A(CA) sign.
- Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.
- The color of the portable transverse rumble strips shall be black or orange. Use 2 arrays, each array shall consist of 3 rumble strips.
- Portable transverse rumble strips shall not be placed on sharp horizontal or vertical curves nor shall they be placed through pedestrian crossings.
- If the portable transverse rumble strips become out of alignment (skewed) by more than 6 inches, measured from one end to the other, they shall be readjusted to bring the placement back to the original location.



PORTABLE TRANSVERSE RUMBLE STRIP ARRAY DETAIL

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 30" x 30"
- C 36" x 18"
- D 36" x 42"
- E 20" x 7"

LEGEND

- TRAFFIC CONE
- ⊥ TEMPORARY TRAFFIC CONTROL SIGN
- ⚡ PORTABLE FLASHING BEACON
- 🚧 FLAGGER

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

2010 REVISED STANDARD PLAN RSP T13

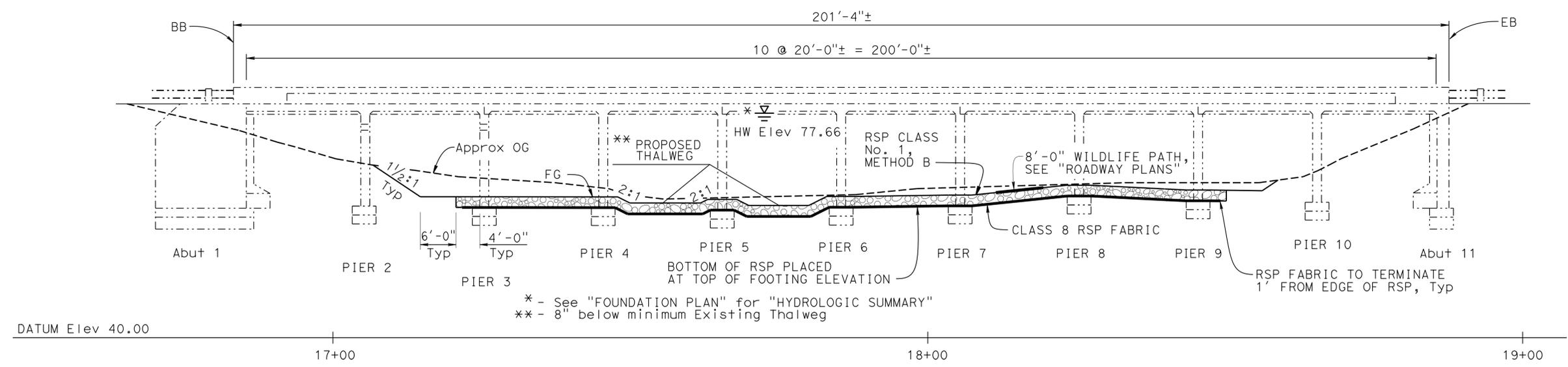
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	16	20

8-13-14
REGISTERED CIVIL ENGINEER DATE

10-6-14
PLANS APPROVAL DATE

Arturo V Herrera
No. 72002
Exp. 6-30-16
CIVIL
STATE OF CALIFORNIA

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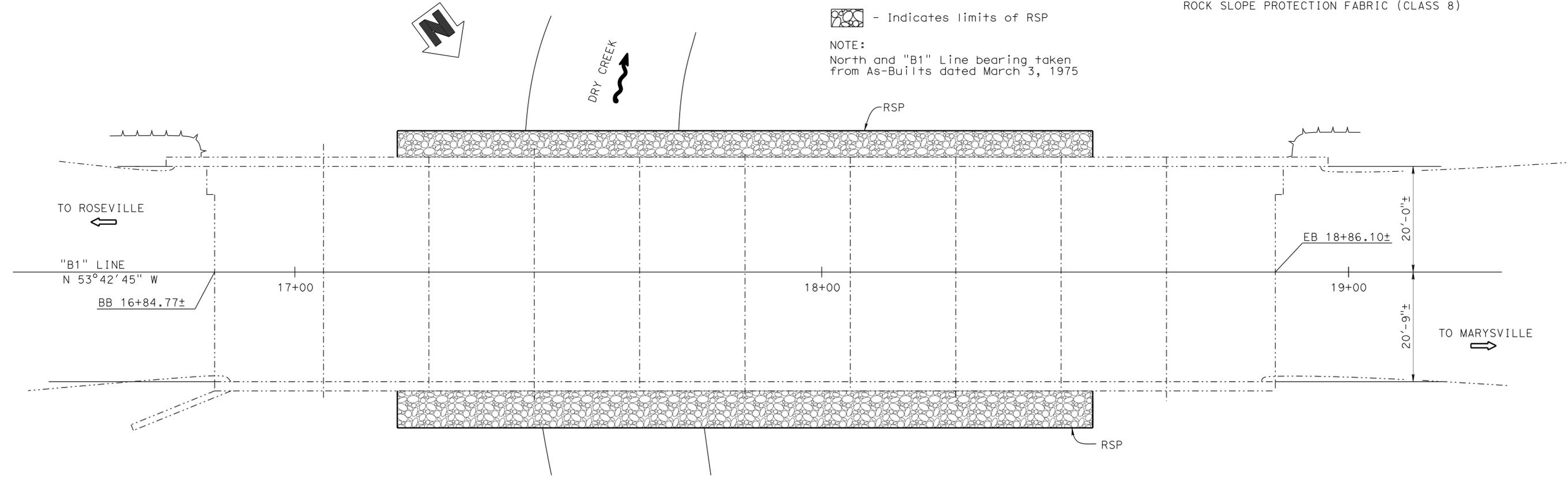
ELEVATION
1" = 10'

QUANTITIES

REPAIR SPALLED SURFACE AREA	1,211	SQFT
STRUCTURE EXCAVATION (ROCK SLOPE PROTECTION)	235	CY
STRUCTURE EXCAVATION (TYPE D)(ROCK SLOPE PROTECTION)	841	CY
ROCK SLOPE PROTECTION (NO. 1, METHOD B) (CY)	600	CY
ROCK SLOPE PROTECTION FABRIC (CLASS 8)	1,040	SQYD

- LEGEND:
- - - - - Indicates existing structure
 - — — — — Indicates new construction
 - ▨ Indicates limits of RSP

NOTE:
North and "B1" Line bearing taken from As-Builts dated March 3, 1975



PLAN
1" = 10'

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

NOTE:
For "TYPICAL SECTION", see "GENERAL PLAN NO. 2" sheet
For "INDEX TO PLANS", see "INDEX TO PLANS" sheet

Joseph E Downing DESIGN ENGINEER	DESIGN	BY Arturo V Herrera	CHECKED Mufeed Khalaf	LAYOUT	BY Arturo V Herrera	CHECKED Mufeed Khalaf	
	DETAILS	BY J Reid/N C Gwynn	CHECKED Mufeed Khalaf		SPECIFICATIONS	BY Sirisha Nelapatla	CHECKED Sirisha Nelapatla
	QUANTITIES	BY Michael K Bergman	CHECKED Mufeed Khalaf				

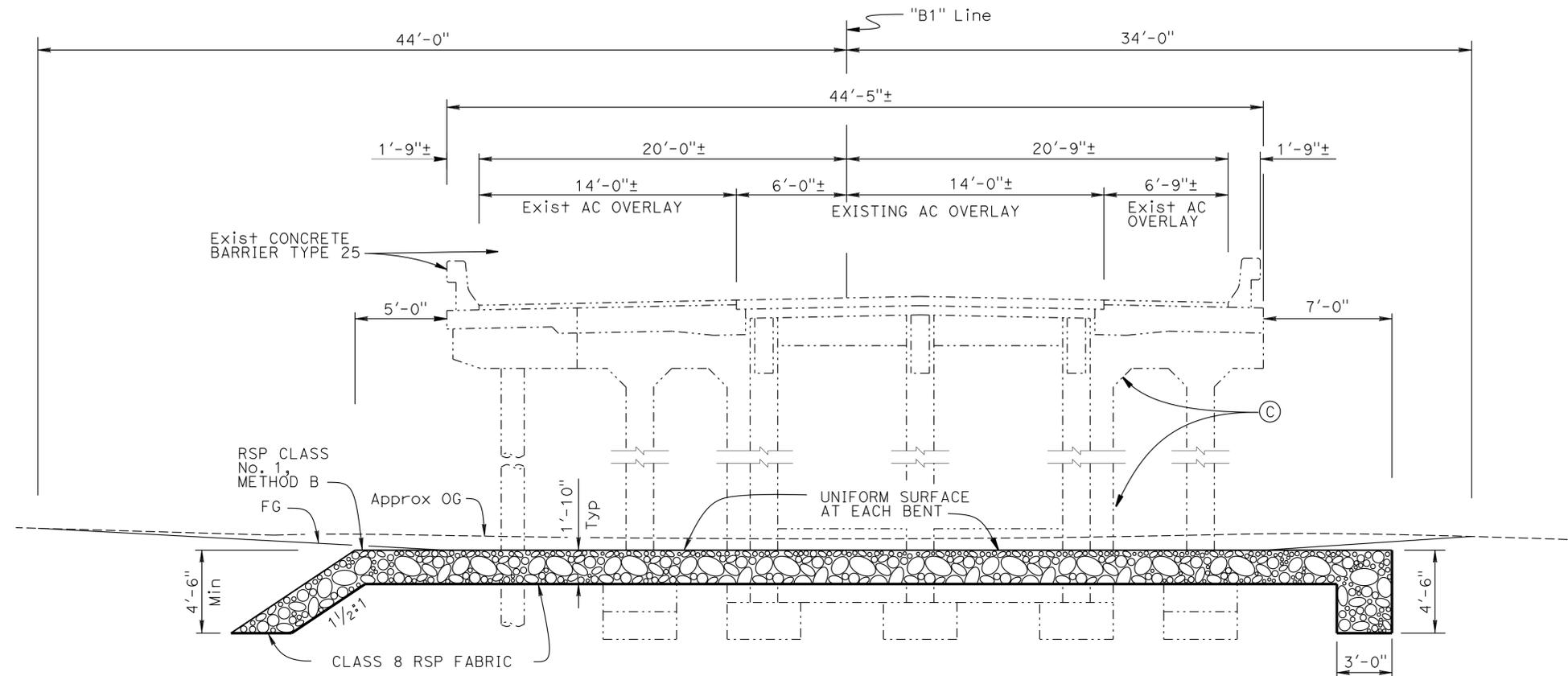
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 3

BRIDGE NO. 16-0002
POST MILE 2.21

SCOUR MITIGATION
DRY CREEK BRIDGE
GENERAL PLAN NO. 1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	17	20
 REGISTERED CIVIL ENGINEER			8-13-14	DATE	
10-6-14 PLANS APPROVAL DATE					
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TYPICAL SECTION
 1/4" = 1'-0"

NOTE:
 (C) Repair spalled surface areas

LEGEND:
 - - - - - Indicates existing structure
 - Indicates limits of RSP

NOTE:
 THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

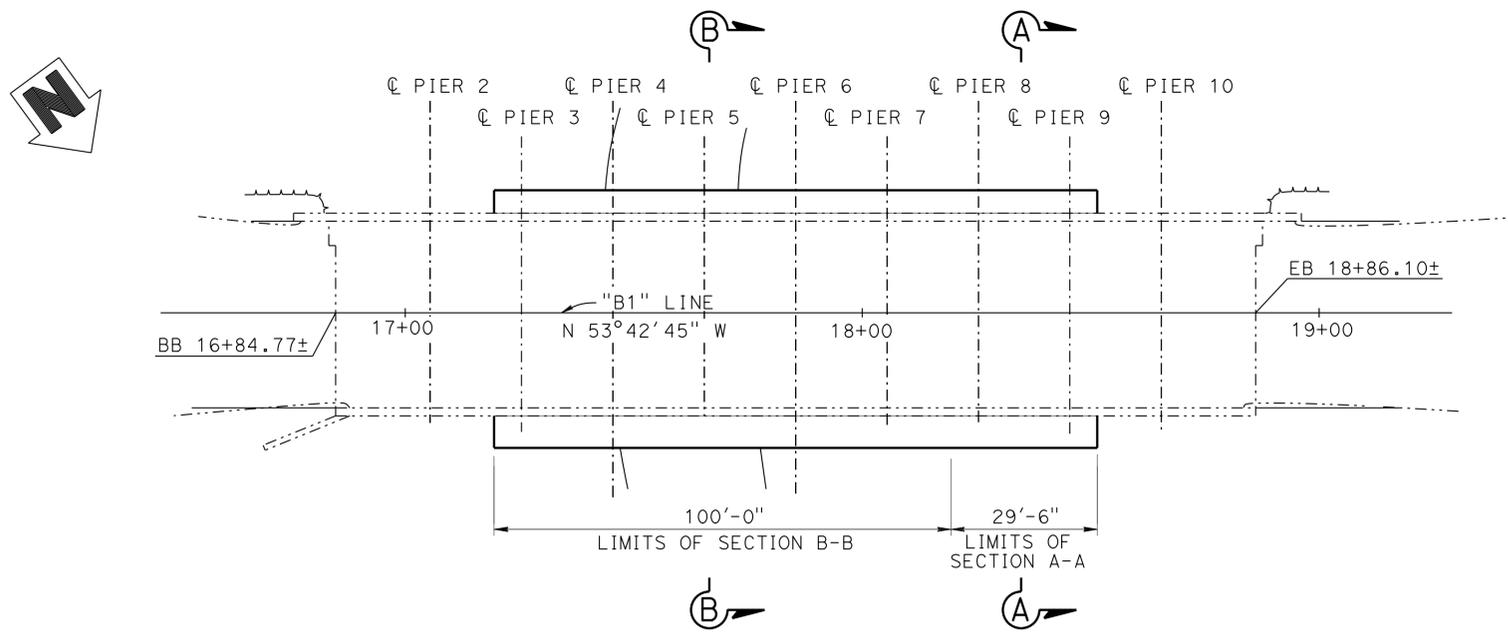
DESIGN ENGINEER Joseph E. Downing	DESIGN	BY Arturo V. Herrera	CHECKED Mufeed Khalaf	LAYOUT BY Arturo V. Herrera SPECIFICATIONS BY Sirisha Nelapatla	CHECKED Mufeed Khalaf	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 3	BRIDGE NO.	16-0002
	DETAILS	BY J. Reid/N. C. Gwynn	CHECKED Mufeed Khalaf		CHECKED Mufeed Khalaf			POST MILE	2.21
	QUANTITIES	BY Michael K. Bergman	CHECKED Mufeed Khalaf		PLANS AND SPECS COMPARED Sirisha Nelapatla				

SCOUR MITIGATION	
DRY CREEK BRIDGE	
GENERAL PLAN NO. 2	
REVISION DATES	SHEET OF
11/8/13 07-14-14 2/14	2 5

USERNAME => s130875 DATE PLOTTED => 13-OCT-2014 TIME PLOTTED => 14:52

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	18	20

8-13-14
 REGISTERED CIVIL ENGINEER DATE
 10-6-14
 PLANS APPROVAL DATE
 Arturo V Herrera
 No. 72002
 Exp. 6-30-16
 CIVIL
 STATE OF CALIFORNIA
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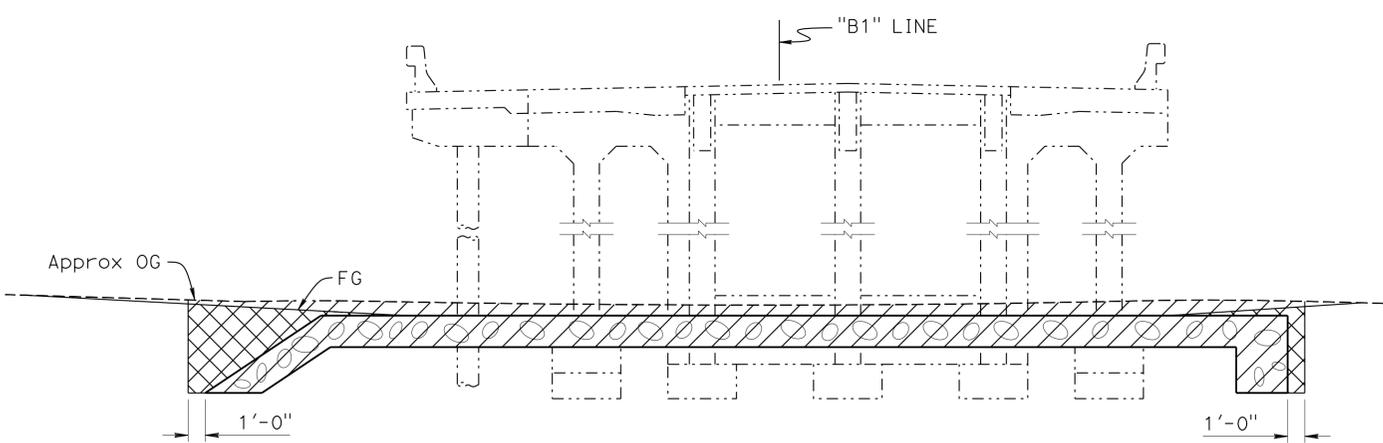
PLAN
1" = 20'

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	INDEX TO PLANS
4	FOUNDATION PLAN
5	MISCELLANEOUS DETAILS

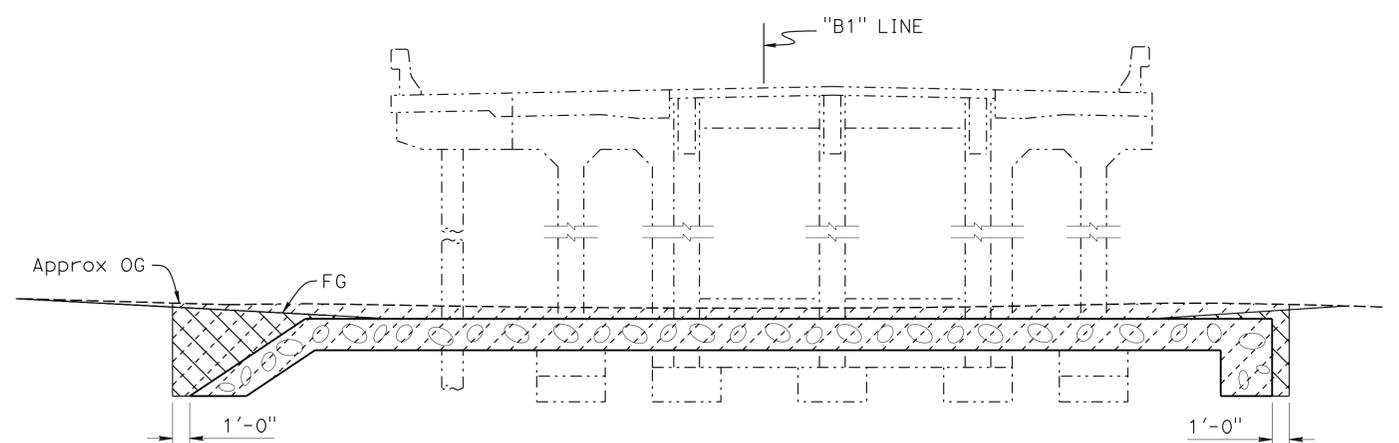
STANDARD PLANS Dated 2010

RSP	A10A	ABBREVIATIONS (SHEET 1 OF 2)
	A10B	ABBREVIATIONS (SHEET 2 OF 2)
	A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
	A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
	A10E	LINES AND SYMBOLS (SHEET 3 OF 3)



- RSP
- Structure Excavation (Rock Slope Protection)
- Structure Backfill (Rock Slope Protection)

SECTION A-A
 $\frac{3}{16}" = 1'-0"$



- RSP
- Structure Excavation Type D (Rock Slope Protection)
- Structure Backfill (Rock Slope Protection)

SECTION B-B
 $\frac{3}{16}" = 1'-0"$

EXCAVATION AND BACKFILL

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY	Arturo V Herrera	CHECKED	Mufeed Khalaf	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 3	BRIDGE NO.	16-0002	
	DETAILS	BY	Nancy C Gwynn	CHECKED			Mufeed Khalaf	POST MILE	2.21
	QUANTITIES	BY	Michael K Bergman	CHECKED			Mufeed Khalaf		

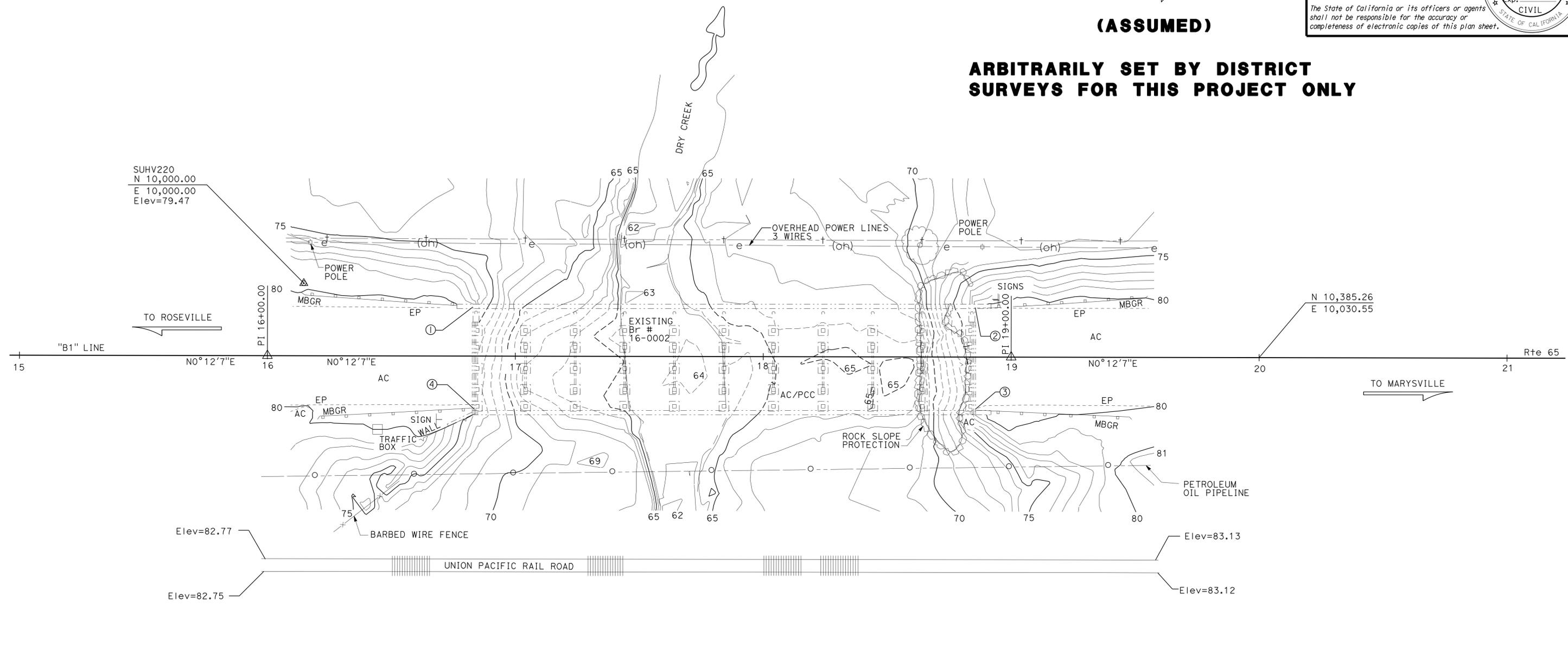
SCOUR MITIGATION	
DRY CREEK BRIDGE	
INDEX TO PLANS	
REVISION DATES	SHEET OF
4-27-13	3 5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	19	20
			8-13-14	DATE	
			10-6-14	PLANS APPROVAL DATE	
REGISTERED CIVIL ENGINEER No. 72002 Exp. 6-30-16 CIVIL STATE OF CALIFORNIA					
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(ASSUMED)

ARBITRARILY SET BY DISTRICT SURVEYS FOR THIS PROJECT ONLY



SURVEY CONTROL
 SUHV220
 Fnd 1/2" REBAR
 29.19' Lt "B1" LINE, Rte 65
 Sta 16+14.63
 N 10,000.00
 E 10,000.00
 Elev=79.47
 SUHV1 (NOT SHOWN)
 Fnd 1/2" REBAR
 568.39' Rt "B1" LINE, Rte 65
 Sta 16+16.74
 N 10,000.00
 E 10,597.58
 Elev=79.40

BRIDGE LOCATION #16-0002 (PN POINTS)
 ① 19.73' Lt "B1" LINE, Sta 16+82.81, Elev=80.00±(AC)
 ② 19.84' Lt "B1" LINE, Sta 18+85.49, Elev=80.13±(AC)
 ③ 20.96' Rt "B1" LINE, Sta 18+85.63, Elev=80.16±(AC)
 ④ 21.39' Rt "B1" LINE, Sta 16+83.53, Elev=80.23±(AC)

NOTE:
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HYDROLOGIC SUMMARY
 DRAINAGE AREA: 103 SQUARE MILES

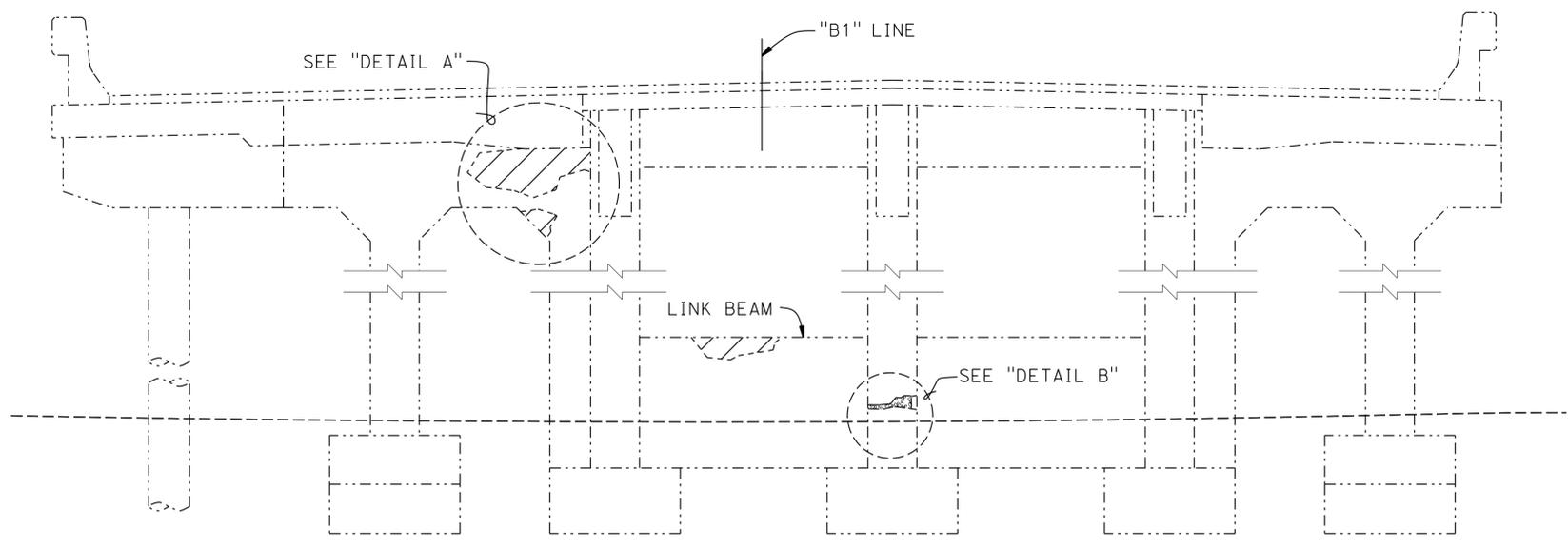
FREQUENCY (YEARS)	DESIGN FLOOD	BASE FLOOD	STATE PLAN, O&M
EXISTING WATER SURFACE ELEV. (FEET)	77.26	77.66	N/A
DISCHARGE (CUBIC FEET PER SECOND)	9,110	10,100	7,000

FLOOD PLAIN DATA ARE BASED UPON INFORMATION AVAILABLE WHEN THE PLANS WERE PREPARED AND ARE SHOWN TO MEET FEDERAL REQUIREMENTS. THE ACCURACY OF SAID INFORMATION IS NOT WARRANTED BY THE STATE AND INTERESTED OR AFFECTED PARTIES SHOULD MAKE THEIR OWN INVESTIGATIONS.

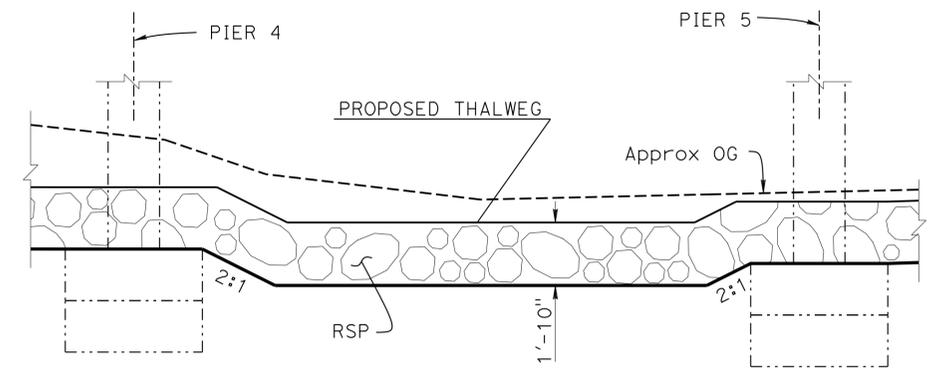
PRELIMINARY INVESTIGATION SECTION				DESIGN BY Arturo V Herrera	CHECKED Mufeed Khalaf	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 3	BRIDGE NO. 16-0002	SCOUR MITIGATION DRY CREEK BRIDGE FOUNDATION PLAN			
SCALE 1"=20'	VERT.DATUM NAVD88	PHOTOGRAMMETRY AS OF: X	DETAILS BY Nancy C Gwynn	CHECKED Mufeed Khalaf	POST MILE 2.21							
ALIGNMENT TIES Dist. Traverse Sheet	DRAFTED BY Sharon Zheng 03/2013	CHECKED BY Sang Sou 03/2013	QUANTITIES BY Michael K Bergman	CHECKED Mufeed Khalaf								
STRUCTURES FOUNDATION PLAN SHEET (ENGLISH) (REV. 09-01-10)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3646	PROJECT NUMBER & PHASE: 03000000761	CONTRACT NO.: 03-0F2704	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 4 OF 5

USERNAME => SY130875 DATE PLOTTED => 13-OCT-2014 TIME PLOTTED => 15:18

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	65	2.2	20	20
			8-13-14	DATE	
			10-6-14	PLANS APPROVAL DATE	
REGISTERED CIVIL ENGINEER Arturo V Herrera No. 72002 Exp. 6-30-16 CIVIL STATE OF CALIFORNIA					
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ELEVATION
3/8" = 1'-0"

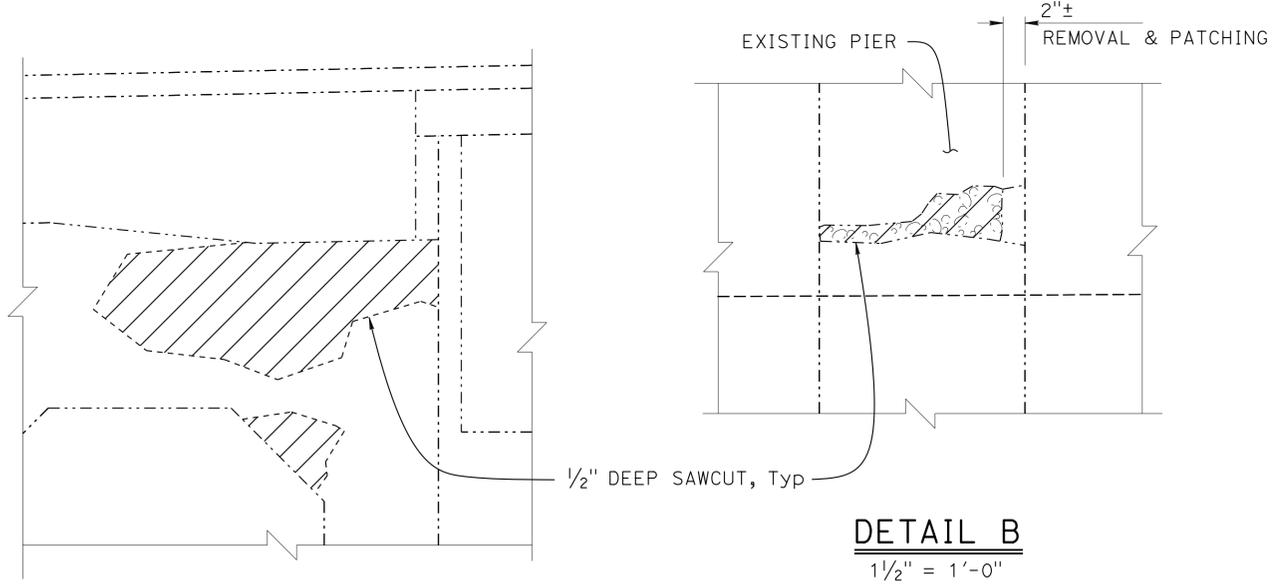


NOTES:
 Detail shown between Pier 4 and Pier 5. Details similar for location between Pier 5 and Pier 6
 For details not shown, see "GENERAL PLAN NO. 1" sheet

SPALLED SURFACE AREA REPAIR TABLE

LOCATION	REPAIR SPALLED SURFACE AREA (SQFT)
Pier 2	93
Pier 3	223
Pier 4	182
Pier 5	182
Pier 6	152
Pier 7	100
Pier 8	93
Pier 9	93
Pier 10	93

NOTE:
 Locations of spalled surface areas are approximate. Exact locations will be determined by the Engineer



DETAIL A
1" = 1'-0"

DETAIL B
1 1/2" = 1'-0"

DETAIL X
3/8" = 1'-0"

NOTE:
 THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

LEGEND:
 Repair spalled surface area. Existing reinforcement to remain

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY Arturo V Herrera	CHECKED Mufeed Khalaf	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 3	BRIDGE NO.	16-0002
	DETAILS	BY Nancy C Gwynn	CHECKED Mufeed Khalaf			POST MILE	2.21
	QUANTITIES	BY Michael K Bergman	CHECKED Mufeed Khalaf			UNIT: 3578 PROJECT NUMBER & PHASE: 03000000761	
						CONTRACT NO.: 03-0F2704	
						DISREGARD PRINTS BEARING EARLIER REVISION DATES	
						REVISION DATES	
						SHEET 5 OF 5	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

FILE => 16-0002-m-misc.dgn

USERNAME => s130875 DATE PLOTTED => 13-OCT-2014 TIME PLOTTED => 14:52