INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS
3-5	CONSTRUCTION AREA SIGNS
6	EROSION CONTROL LEGEND
7-8	REVISED STANDARD PLANS
STRUCTURE PLANS	
9-12	GENERAL PLANS
13	MISCELLANEOUS DETAILS

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

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

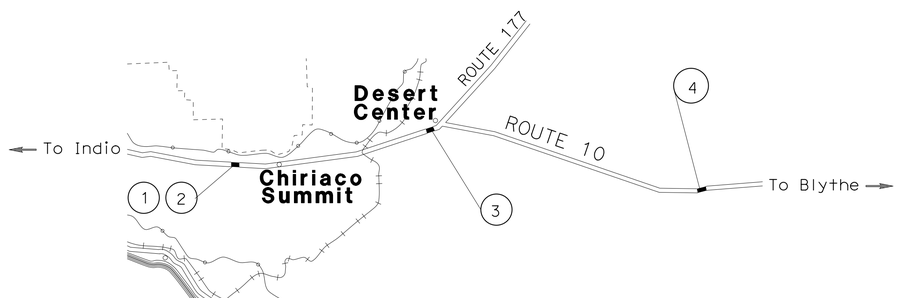
PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN RIVERSIDE COUNTY
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,15	Var	1	13



LOCATIONS OF CONSTRUCTION

No.	BRIDGE NUMBER	BRIDGE NAME	COUNTY	ROUTE	PM
1	56 0469L	COTTON GULCH	Riv	10	R80.33
2	56 0469R	COTTON GULCH	Riv	10	R80.33
3	56 0639R	DESERT CENTER DITCH	Riv	10	R104.43
4	56 0015R	ISORA DITCH	Riv	10	R139.18
5	56 0726L	GAVILAN WASH	Riv	15	25.55
6	56 0726R	GAVILAN WASH	Riv	15	25.55

NO SCALE

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

PROJECT MANAGER: MIKE RISTIC

DESIGN MANAGER: IYAD NAMY

7-24-15
PROJECT ENGINEER / REGISTERED CIVIL ENGINEER — DATE

REGISTERED PROFESSIONAL ENGINEER — IYAD NAMY No. C74762 Exp. 12/31/15 CIVIL — STATE OF CALIFORNIA

July 28, 2015
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.

CONTRACT No.	08-0Q2004
PROJECT ID	0800020295

LAST REVISION 07-24-15 — DATE PLOTTED => 27-AUG-2015 — TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,15	Var	2	13

IYAD NAMY — REGISTERED CIVIL ENGINEER — 7-24-15 DATE

7-28-15 PLANS APPROVAL DATE

IYAD NAMY No. C74762 Exp. 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — 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.

NOTES:

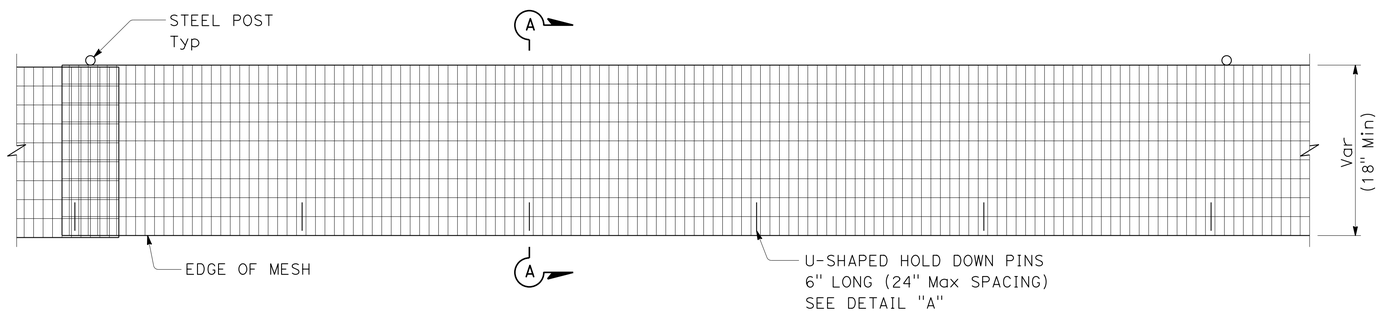
1. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. HORIZONTAL PORTION OF HARDWARE CLOTH MUST BE ON HABITAT SIDE OF POSTS.

LEGEND:

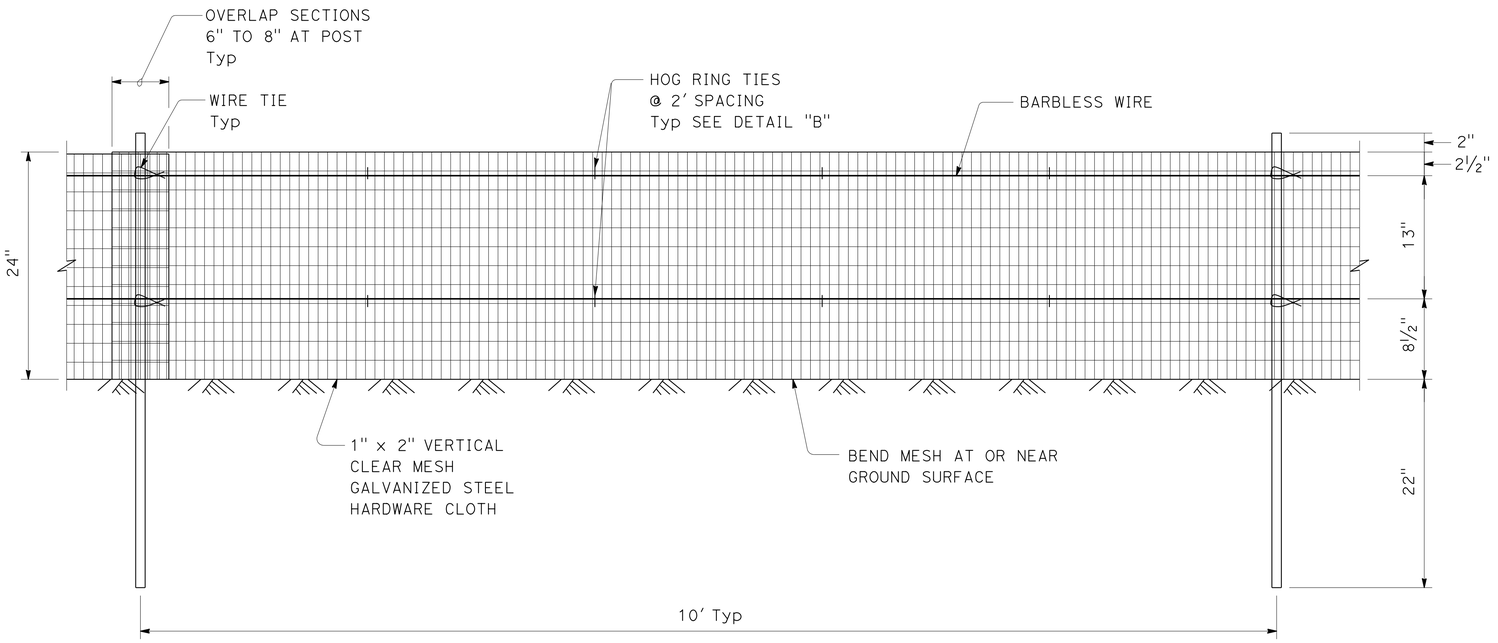
DESERT TORTOISE HABITAT

FENCE QUANTITIES

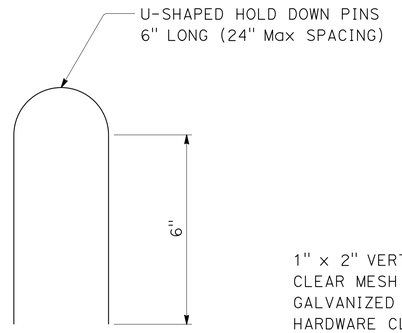
BRIDGE No.	BRIDGE NAME	ROUTE	PM	TEMPORARY FENCE (TYPE DESERT TORTOISE) (LF)
56-0015R	ISORA DITCH	10	R139.18	300
56-0469 L/R	COTTON GULCH	10	R80.33	700
56-0639 R	DESERT CENTER DITCH	10	R104.43	300
			TOTAL	1300



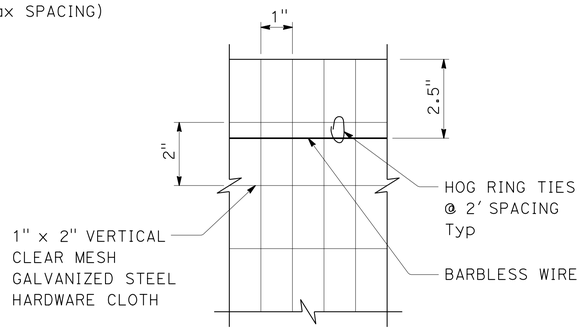
PLAN VIEW



FRONT VIEW



DETAIL "A"



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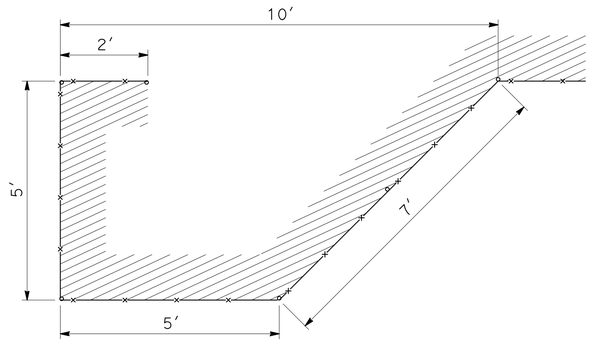
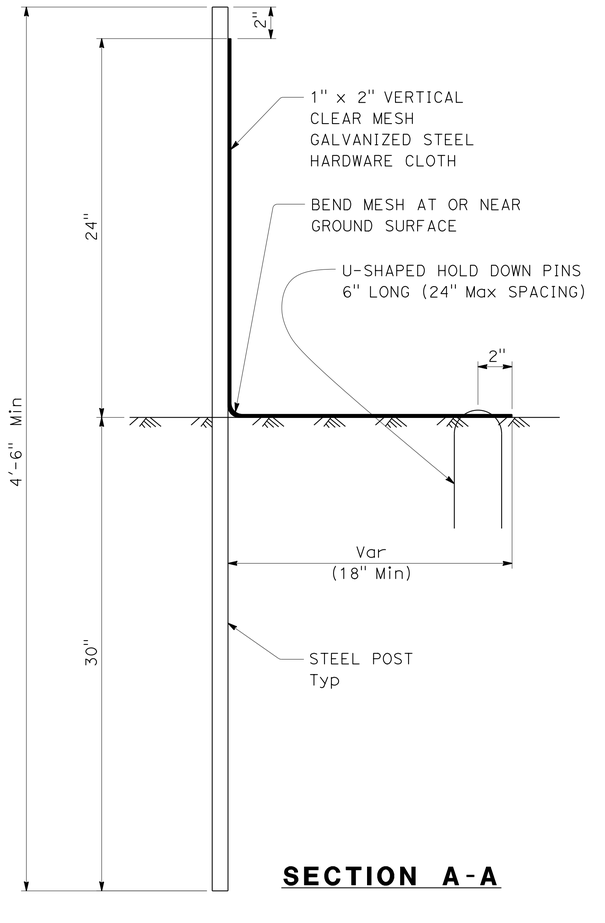


REDIRECTIONAL CONFIGURATION PLAN VIEW



SECTION A-A

CONSTRUCTION DETAILS
TEMPORARY DESERT TORTOISE FENCE

NO SCALE

C-1

LAST REVISION: DATE PLOTTED => 27-AUG-2015
07-24-15 TIME PLOTTED => 11:26

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: KUANG CHEN

CALCULATED-DESIGNED BY: IYAD NAMY
CHECKED BY: KUANG CHEN

REVISED BY | DATE REVISED

BORDER LAST REVISED 7/2/2010

USERNAME => s102458
DGN FILE => 0800020295ga001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2343

PROJECT NUMBER & PHASE 0800020295

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,15	Var	3	13

Dean D To 7-24-15
REGISTERED CIVIL ENGINEER DATE

7-28-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DEAN D TO
No. C81698
Exp.03/31/16
CIVIL
STATE OF CALIFORNIA

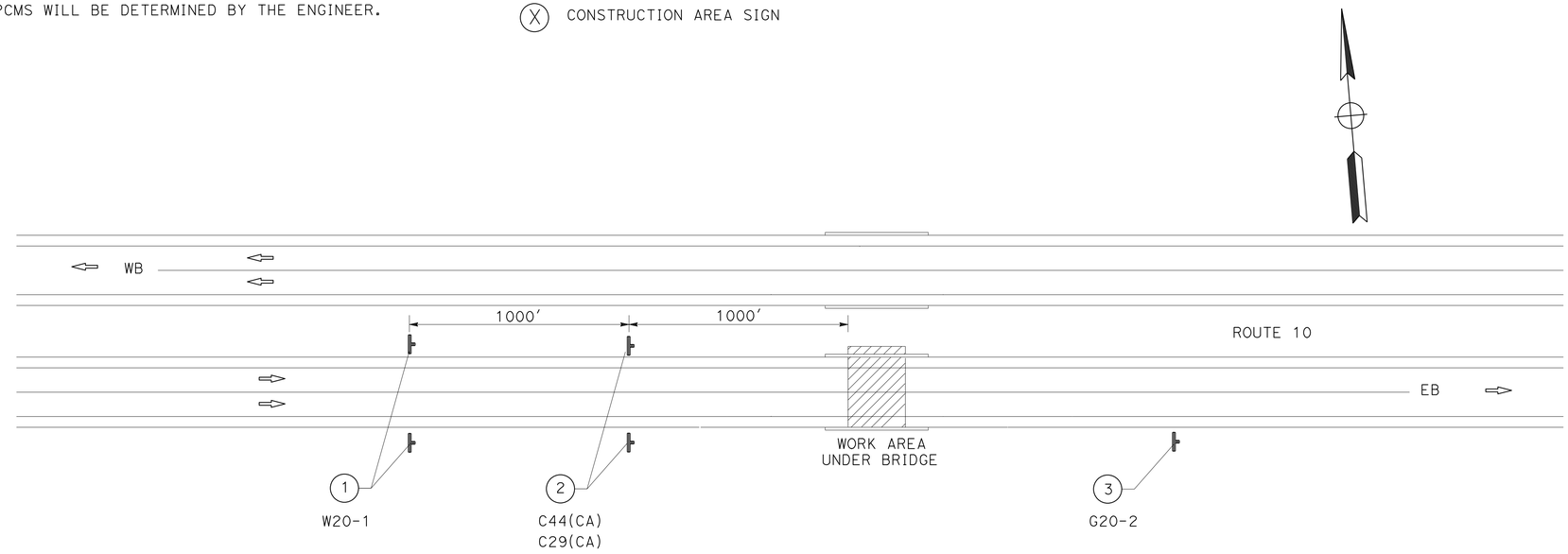
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

1. LOCATIONS OF PCMS WILL BE DETERMINED BY THE ENGINEER.

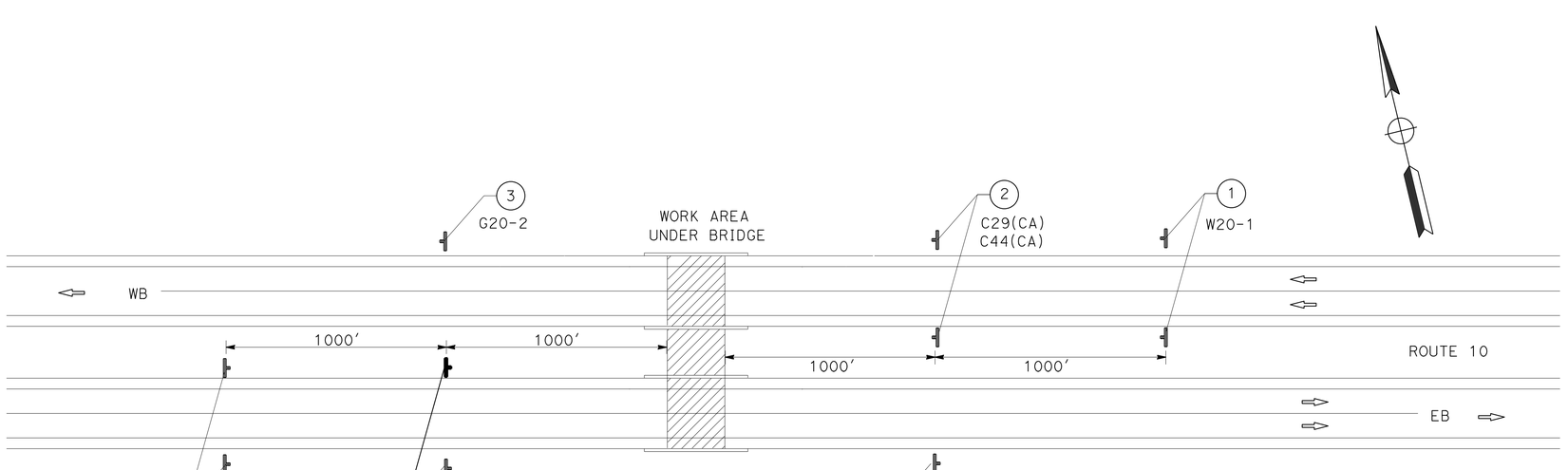
LEGEND:

(X) CONSTRUCTION AREA SIGN



ROUTE 10 PM R139.18

No. 56-0015R
ISORA DITCH BRIDGE



ROUTE 10 PM R80.33

No. 56-0469 L/R
COTTON GULCH BRIDGE

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MARIO AMANCIO
CALCULATED-DESIGNED BY: KEVIN NGUYEN
CHECKED BY: DEAN TO
REVISED BY
DATE REVISED

LAST REVISION 07-24-15
DATE PLOTTED => 27-AUG-2015
TIME PLOTTED => 11:26

BORDER LAST REVISED 7/2/2010
USERNAME => s102458
DGN FILE => 0800020295la001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 0800020295

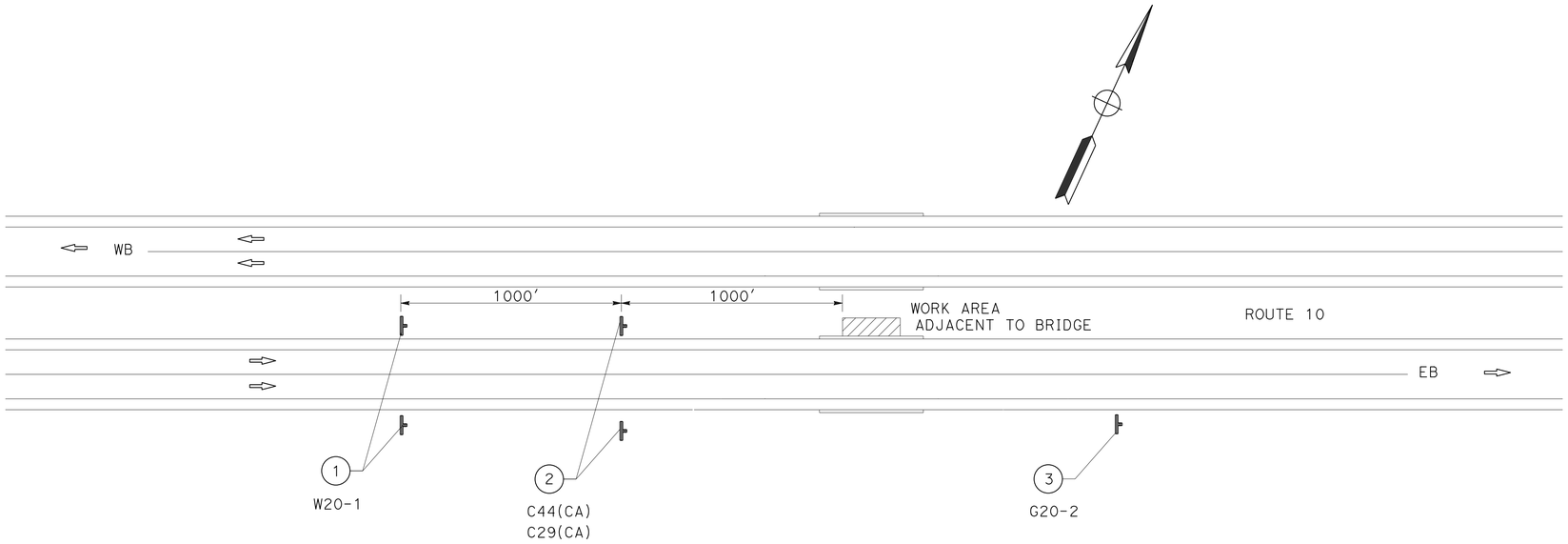
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,15	Var	4	13

Dean To 7-24-15
REGISTERED CIVIL ENGINEER DATE

7-28-15
PLANS APPROVAL DATE

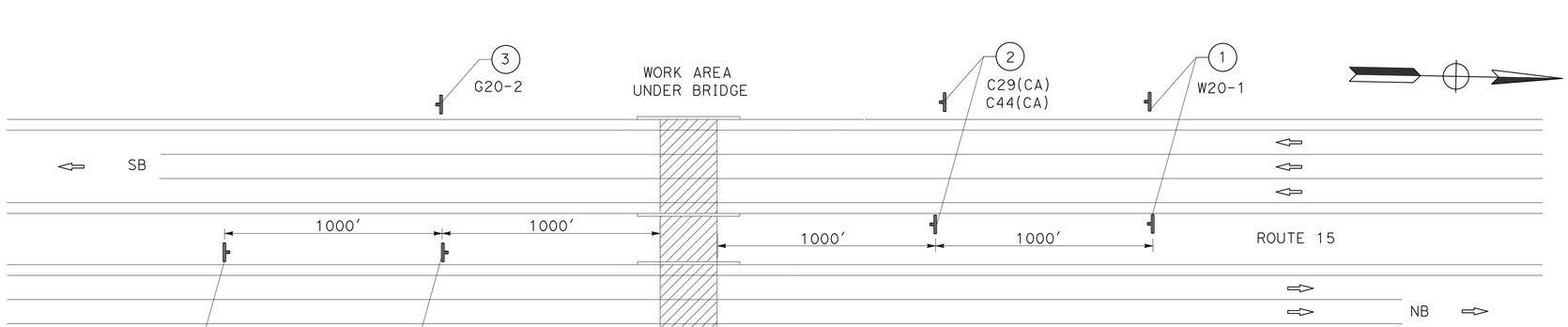
REGISTERED PROFESSIONAL ENGINEER
DEAN D TO
No. C81698
Exp.03/31/16
CIVIL
STATE OF CALIFORNIA

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.



ROUTE 10 PM R104.43

No. 56-0639R
DESERT CENTER DITCH BRIDGE



ROUTE 15 PM 25.55

No. 56-0726 L/R
GAVILAN WASH BRIDGE

CONSTRUCTION AREA SIGNS

NO SCALE

CS-2

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

REVISED BY | DATE REVISED
KEVIN NGUYEN | DEAN TO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 07-24-15 | DATE PLOTTED => 27-AUG-2015 | TIME PLOTTED => 11:26

BORDER LAST REVISED 7/2/2010 | USERNAME => s102458 | DGN FILE => 0800020295ia002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2284 | PROJECT NUMBER & PHASE 0800020295

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,15	Var	5	13

Dean D To 7-24-15
REGISTERED CIVIL ENGINEER DATE

7-28-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DEAN D TO
No. C81698
Exp. 03/31/16
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.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
1	W20-1		48" x 48"	ROAD WORK AHEAD	1- 6" x 6"	12
2		C44(CA)	48" x 48"	TRUCKS ENTERING AND EXITING	1- 6" x 6"	12
		C29(CA)	30" x 24"	1000 FT		
3	G20-2		48" x 24"	END ROAD WORK	1- 4" x 6"	6

PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

EA
6

CONSTRUCTION AREA SIGNS
CS-3

CALCULATED-DESIGNED BY: KEVIN NGUYEN
CHECKED BY: THANH TRINH
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: MARIO AMANCIO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION: DATE PLOTTED => 27-AUG-2015
07-24-15 TIME PLOTTED => 11:26

BORDER LAST REVISED 7/2/2010
USERNAME => s102458
DGN FILE => 08000202951a003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 0800020295

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,15	Var	6	13

7-24-15
LICENSED LANDSCAPE ARCHITECT

7-28-15
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.

LICENSED LANDSCAPE ARCHITECT
Steven Magallanes No. 5824
Signature
12-31-16
Renewal Date
Date
STATE OF CALIFORNIA

EROSION CONTROL

SEQUENCE	ITEM	MATERIALS		APPLICATION RATE	QUANTITY
		DESCRIPTION	TYPE		
STEP 1	BONDED FIBER MATRIX	FIBER	PER SPECIFICATIONS	500 LBS/ACRE	0.5 ACRE
		TACKIFIER			
		SEED	MIX	30 LBS/ACRE	
STEP 2	BONDED FIBER MATRIX	TACKIFIER	PER SPECIFICATIONS	3500 LBS/ACRE FOR SLOPES > 3:1 AND ≤ 2:1 (HORZ:VERT) 4000 LBS/ACRE FOR SLOPES > 2:1 AND ≤ 1:1 (HORZ:VERT)	
		FIBER			

SEED MIX

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	**POUNDS PURE LIVE** SEED PER ACRE **(SLOPE MEASUREMENT)**
Bromus carinatus var. (California Brome)	40	5.0
Encelia Farinosa (Brittlebush)	30	3.0
Eriogonum fasciculatum polifolium (California Buckwheat)	40	5.0
Eschscholzia californica (California Poppy)	40	2.0
Lotus purshianus (Purshing Lotus)	33	4.0
Phacelia campanularia (California Bluebell)	40	2.0
Festuca (vulpia) microstachys (Small Fescue)	40	5.0
Melica imperfecta (Small Flowered Melica)	40	4.0
	TOTAL	30 (N)

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

GAVILAN WASH

ROUTE 15 PM 25.55

EROSION CONTROL LEGEND

ECL-1

REVISED BY | DATE REVISED
MARIA ARIAS | MIKE BABICH
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT
STEVEN MAGALLANES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

LAST REVISION 07-24-15
DATE PLOTTED => 27-AUG-2015
TIME PLOTTED => 11:26

BORDER LAST REVISED 7/2/2010
USERNAME => s102458
DGN FILE => 0800020295
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2272
PROJECT NUMBER & PHASE 08000202951

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
Mtl	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

Oblr	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 Mtl	PERMEABLE MATERIAL

P continued

PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
℄,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
℄	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
Tel	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
08	Riv	10,15	Var	7	13

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Grace M. Tsushima — No. C49814 — Exp. 9-30-14 CIVIL — STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 7-28-15

UNIT OF MEASUREMENT SYMBOLS:

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

TABLE A

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:

TABLE B

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
ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kip	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

2010 REVISED STANDARD PLAN RSP A10B

6-7-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,15	Var	8	13

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 7-28-15

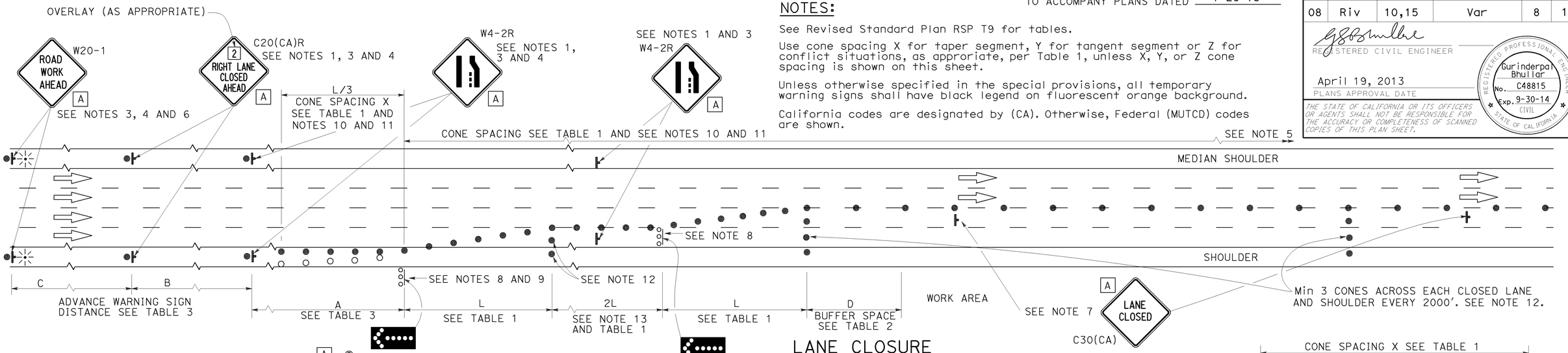
NOTES:

See Revised Standard Plan RSP T9 for tables.

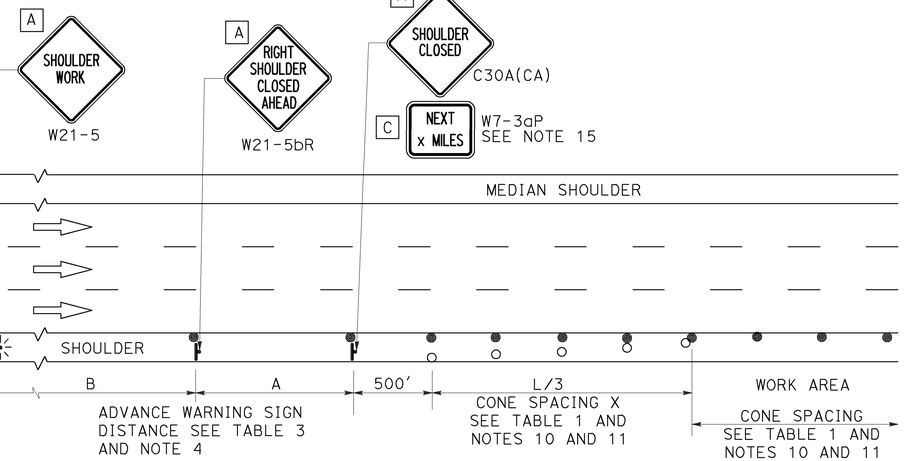
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

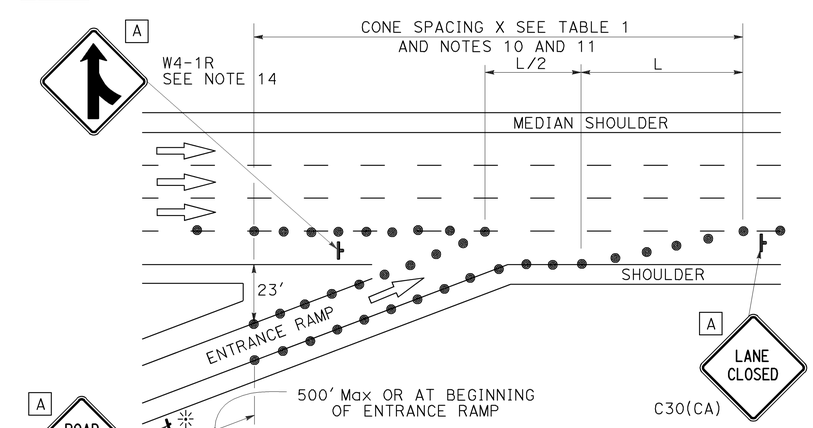
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

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

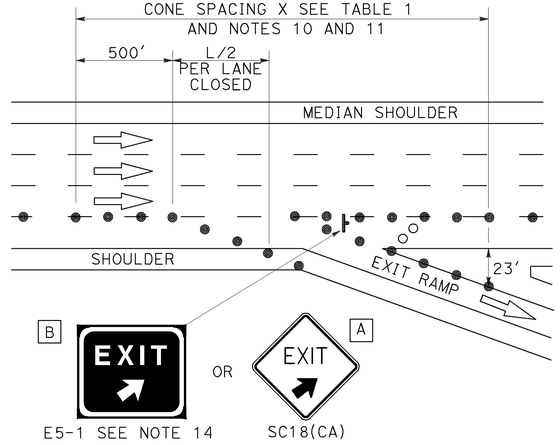


LANE CLOSURE





LANE CLOSURE AT ENTRANCE RAMP



LANE CLOSURE AT EXIT RAMP

NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway 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.
5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

SHOULDER CLOSURE

6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT___MILES" plaque must be used if theshoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

A	48" x 48"
B	72" x 60"
C	36" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

12-18-12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	10,15	Var	9	13

REGISTERED CIVIL ENGINEER — DATE 08/18/14

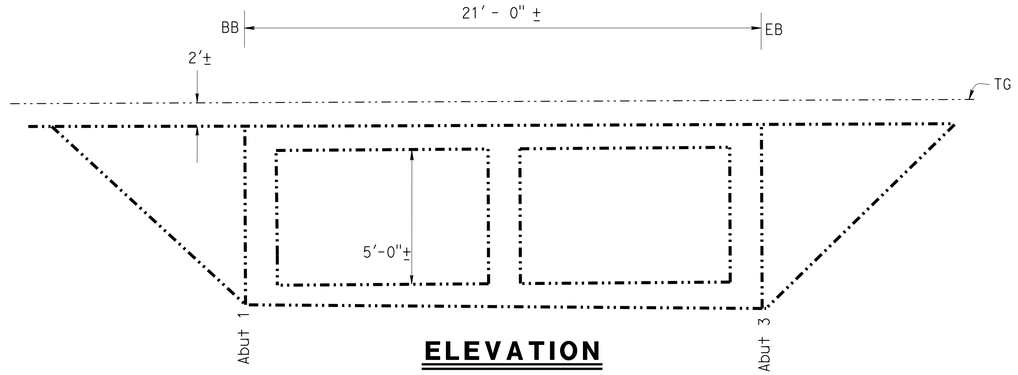
PLANS APPROVAL DATE 7-28-15

REGISTERED PROFESSIONAL ENGINEER — Mazin Ibrahim — No. C69896 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

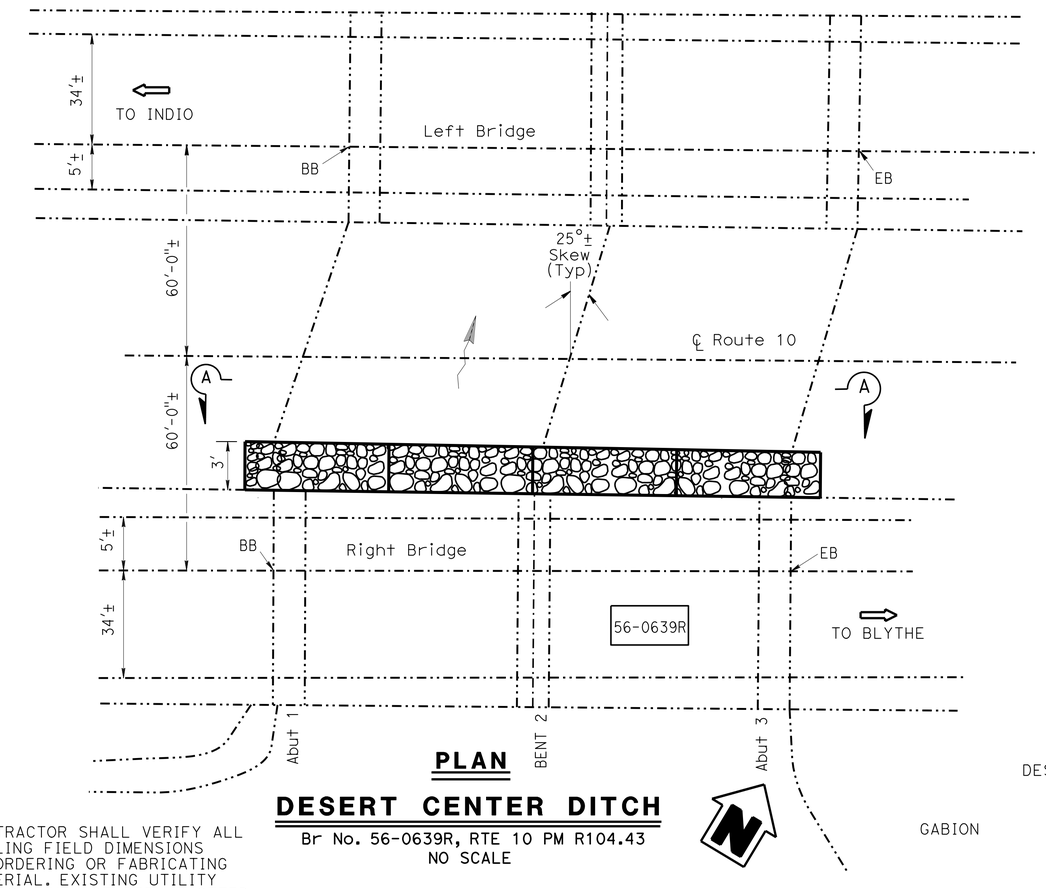
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

LEGEND:

- INDICATE EXISTING.
- INDICATES DIRECTION OF TRAFFIC.
- INDICATES LIMITS OF GABION BASKET SIZE A (6'X3'X3') REPLACEMENT, SEE STANDARD PLANS D100A AND D100B.



ELEVATION



PLAN

DESERT CENTER DITCH

Br No. 56-0639R, RTE 10 PM R104.43
NO SCALE

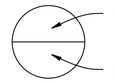
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

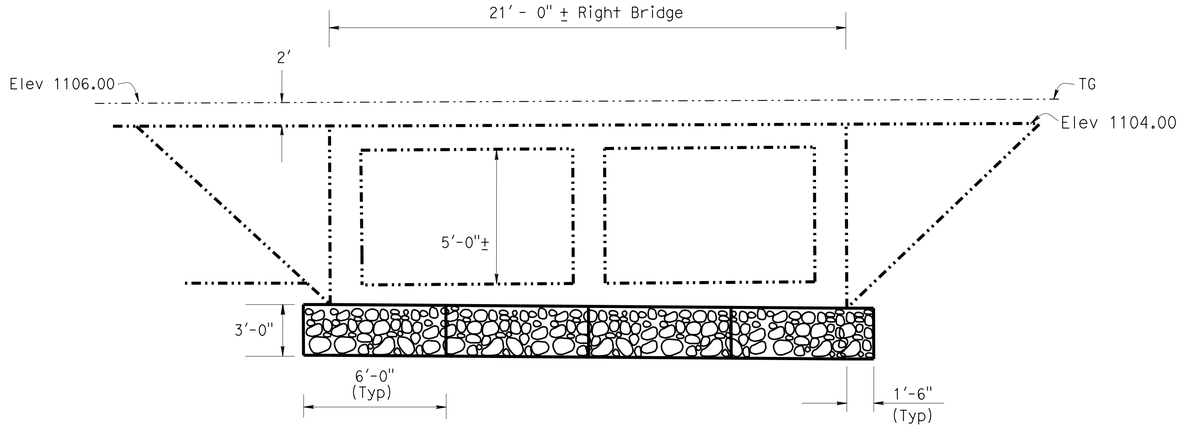
INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	GENERAL PLAN NO. 3
4	GENERAL PLAN NO. 4
5	MISCELLANEOUS DETAILS

STANDARD PLANS DATED 2010

SHEET NO.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
RSP 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)
D100A	GABION BASKET DETAILS NO. 1
D100B	GABION BASKET DETAILS NO. 2





VIEW A-A

Note: Previously placed gabion baskets have washed away.

DESERT CENTER DITCH #56-0639R
QUANTITIES

GABION	8 CY

BRIDGE SCOUR MITIGATION

DESERT CENTER DITCH

GENERAL PLAN NO. 1

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Ramesh Patel	CHECKED Mazin Ibrahim	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
DETAILS	BY Eugene Goishi	CHECKED Ramesh Patel	LAYOUT	BY Eugene Goishi	CHECKED Ramesh Patel	
QUANTITIES	BY Ramesh Patel	CHECKED Mazin Ibrahim	SPECIFICATIONS	BY Kevin Ellingson	PLANS AND SPECS COMPARED Kevin Ellingson	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	POST MILE
56-0639R	R104.43

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER : 0800020295
CONTRACT NO.: 08-0Q2004

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES						SHEET	OF
6-19-14						1	5

FILE => 0800020295-a-gp01.dgn

USERNAME => s102458 DATE PLOTTED => 27-AUG-2015 TIME PLOTTED => 11:26

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	10,15	Var	10	13

08/18/14
REGISTERED CIVIL ENGINEER DATE

7-23-15
PLANS APPROVAL DATE

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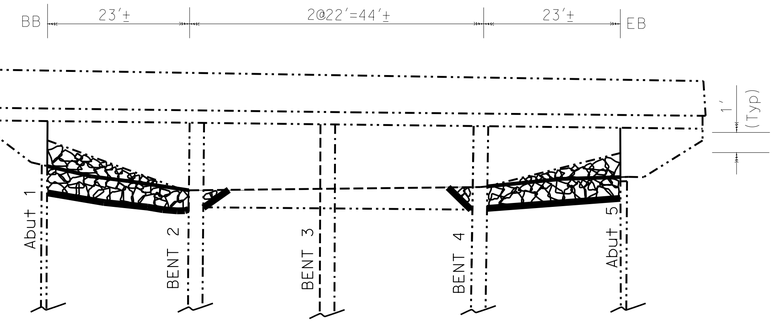
PROFESSIONAL ENGINEER — REGISTERED — Mazin Ibrahim — No. C69896 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA



ELEVATION

LEGEND:

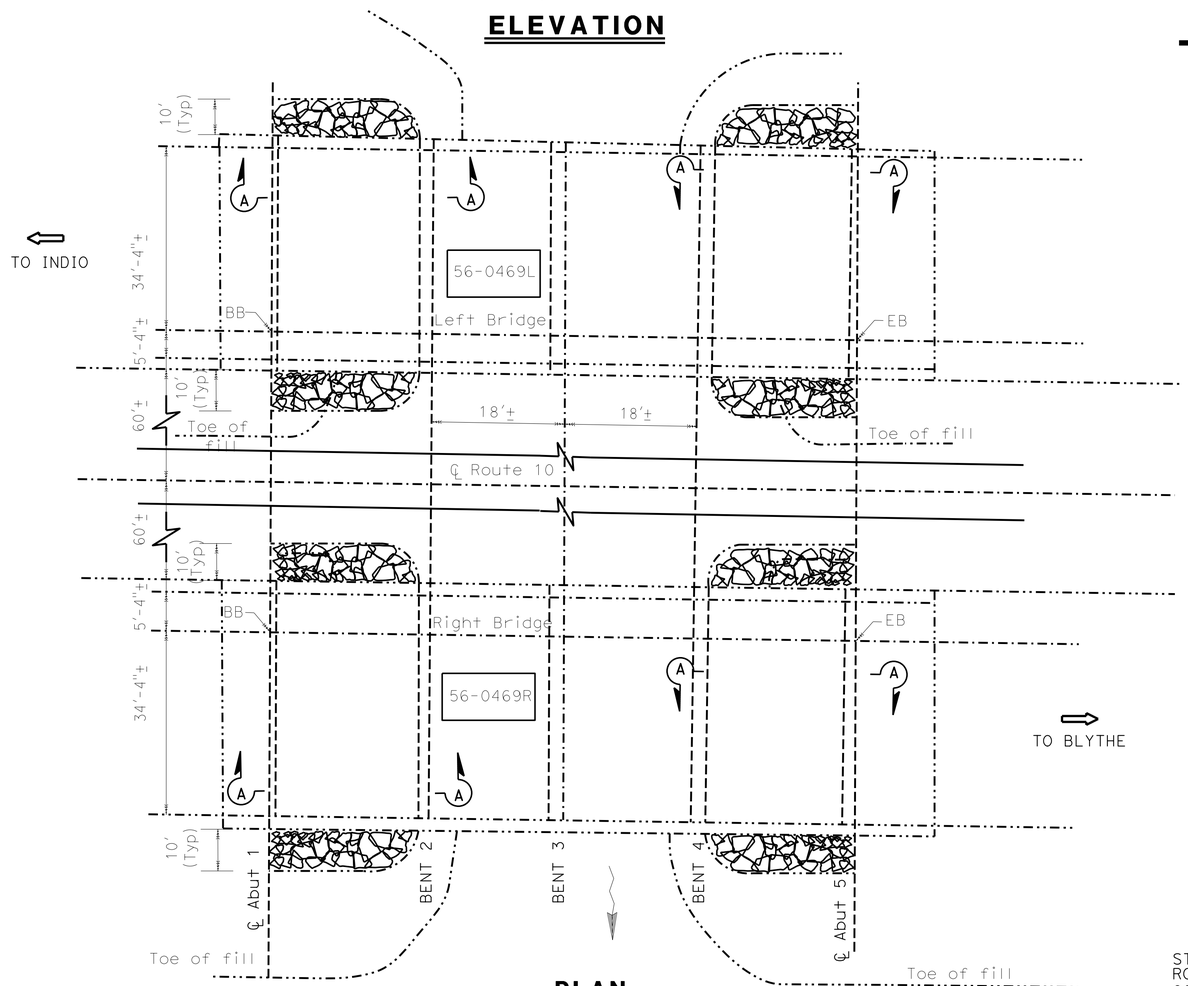
INDICATE EXISTING.

INDICATES DIRECTION OF TRAFFIC.

INDICATES LIMITS OF EXCAVATION AND CONCRETE (GROUTED) ROCK (1 TON) SLOPE PROTECTION REPLACEMENT (METHOD B) IN OUTSIDE LAYER. SEE MISCELLANEOUS DETAILS SHEET.

INDICATES LIMITS OF EXCAVATION AND 1/4 TON ROCK PROTECTION REPLACEMENT IN INSIDE LAYER (METHOD B), SEE MISCELLANEOUS DETAILS SHEET.

INDICATES LIMITS OF RSP-FABRIC

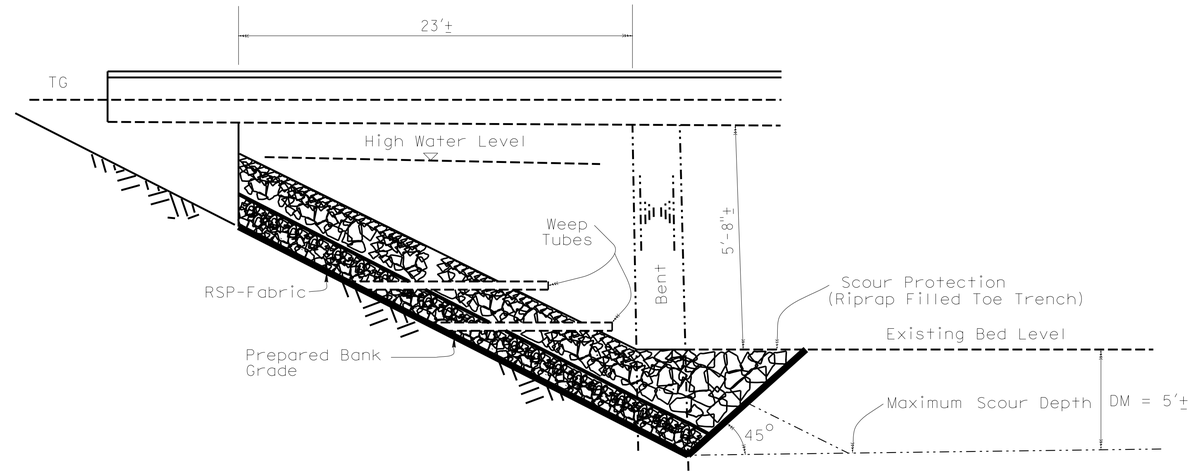


PLAN

COTTON GULCH

Br No 56-0469R/L, RTE 10 PM R80.33
NO SCALE

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



SECTION A-A

COTTON GULCH #56-0469R/L
QUANTITIES

STRUCTURE EXCAVATION (ROCK SLOPE PROTECTION)	744 CY
ROCK SLOPE PROTECTION (1/4 T, METHOD B) (CY)	360 CY
CONCRETED-ROCK SLOPE PROTECTION (1T, METHOD B)	384 CY
ROCK SLOPE PROTECTION FABRIC (CLASS 8)	1,100 SQYD

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Ramesh Patel	CHECKED Mazin Ibrahim	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY Eugene Goishi	CHECKED Ramesh Patel	LAYOUT	BY Eugene Goishi	CHECKED Ramesh Patel		
QUANTITIES	BY Ramesh Patel	CHECKED Mazin Ibrahim	SPECIFICATIONS	BY Kevin Ellingson	PLANS AND SPECS COMPARED Kevin Ellingson		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. 56-0469R/L
POST MILE R80.33

BRIDGE SCOUR MITIGATION
COTTON GULCH
GENERAL PLAN 2

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0800020295
CONTRACT NO.: 08-1Q2004

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES						SHEET	OF
6-19-14						2	5

FILE => 0800020295-a-gp02.dgn

USERNAME => s102458 DATE PLOTTED => 27-AUG-2015 TIME PLOTTED => 11:26

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	10,15	Var	11	13

08/18/14
REGISTERED CIVIL ENGINEER DATE

7-23-15
PLANS APPROVAL DATE

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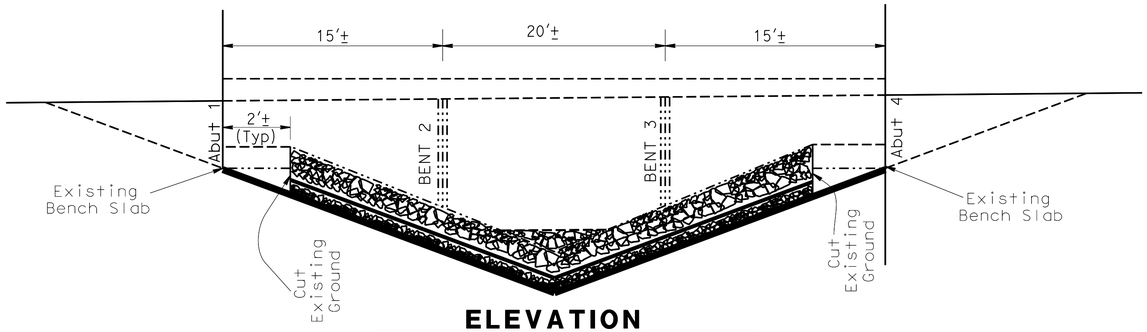
REGISTERED PROFESSIONAL ENGINEER
Mazin Ibrahim
No. C69896
Exp. 09/30/14
CIVIL
STATE OF CALIFORNIA



ELEVATION

Br No. 56-0015R, Rte 10, PM R139.18

LEGEND:

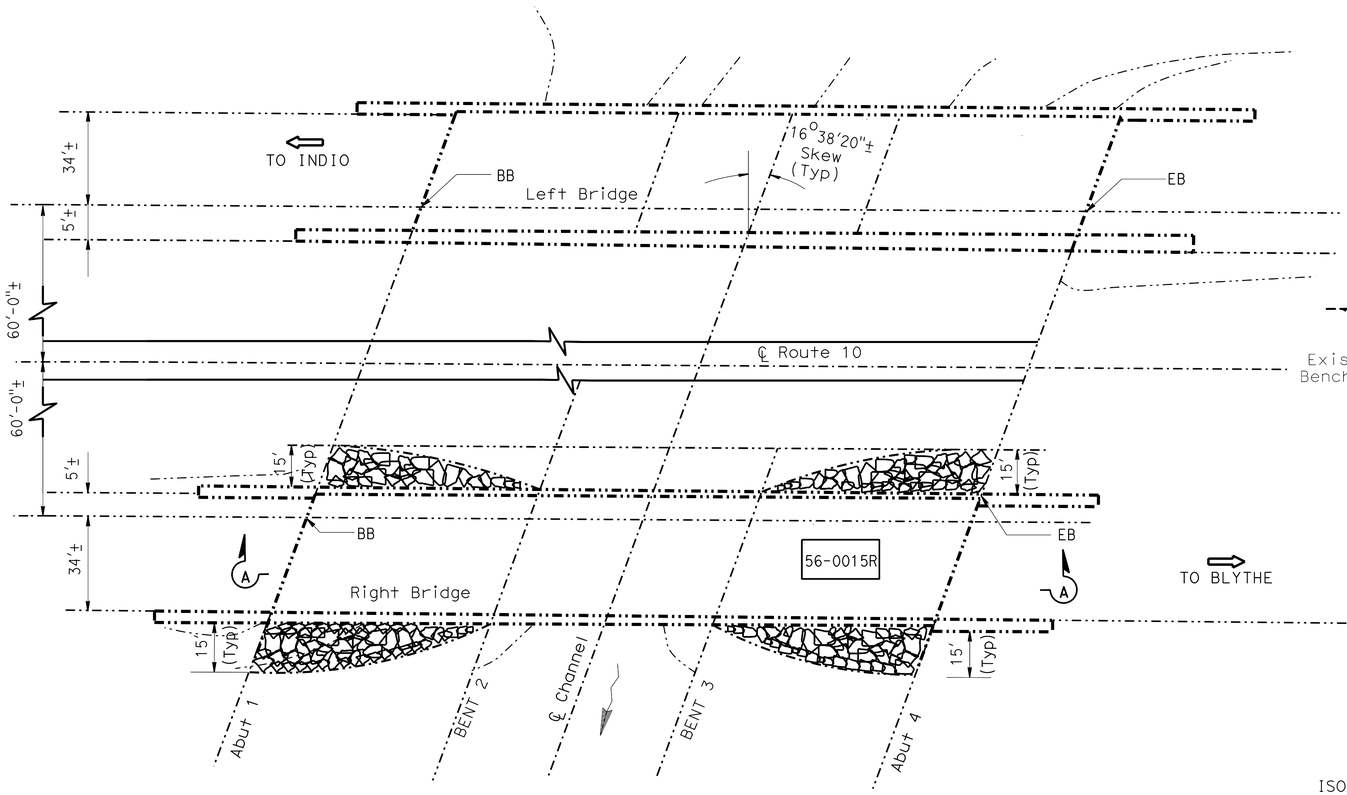
INDICATE EXISTING.

INDICATES DIRECTION OF TRAFFIC.

INDICATES LIMITS OF EXCAVATION AND CONCRETE (GROUTED) ROCK (1 TON) SLOPE PROTECTION REPLACEMENT (METHOD B) IN OUTSIDE LAYER. SEE MISCELLANEOUS DETAILS SHEET.

INDICATES LIMITS OF EXCAVATION AND 1/4 TON ROCK PROTECTION REPLACEMENT IN INSIDE LAYER (METHOD B), SEE MISCELLANEOUS DETAILS SHEET.

INDICATES LIMITS OF RSP FABRIC



PLAN

ISORA DITCH

Br No. 56-0015R, Rte 10, PM R139.18
No Scale

NOTE:
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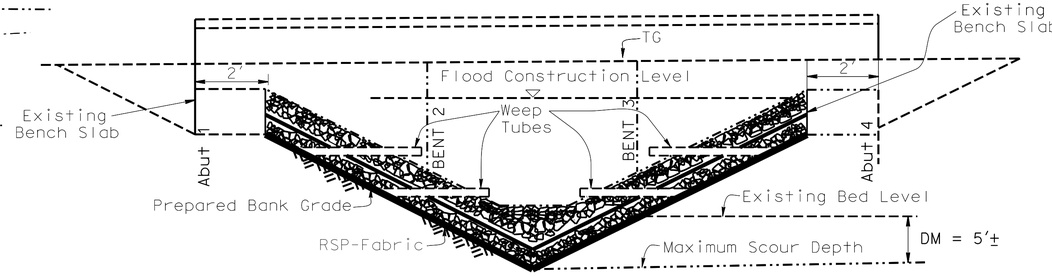

SECTION A-A

ISORA DITCH #56-0015R
QUANTITIES

STRUCTURE EXCAVATION (ROCK SLOPE PROTECTION)	410 CY
ROCK SLOPE PROTECTION (1/4 T, METHOD B) (CY)	200 CY
CONCRETED-ROCK SLOPE PROTECTION (1T, METHOD B)	210 CY
ROCK SLOPE PROTECTION FABRIC (CLASS 8)	509 SQYD

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Ramesh Patel	CHECKED Mazin Ibrahim	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
DETAILS	BY Eugene Goishi	CHECKED Ramesh Patel	LAYOUT	BY Eugene Goishi	CHECKED Ramesh Patel	
QUANTITIES	BY Ramesh Patel	CHECKED Mazin Ibrahim	SPECIFICATIONS	BY Kevin Ellingson	PLANS AND SPECS COMPARED Kevin Ellingson	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. 56-0015R
POST MILE R139.18

BRIDGE SCOUR MITIGATION
ISORA DITCH
GENERAL PLAN NO. 3

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0800020295
CONTRACT NO.: 08-0Q2004

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES						SHEET	OF
6-19-14						3	5

FILE => 0800020295-a-gp03.dgn

USERNAME => s102458 DATE PLOTTED => 27-AUG-2015 TIME PLOTTED => 11:26

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	10,15	Var	12	13

REGISTERED CIVIL ENGINEER — DATE 08/18/14

PLANS APPROVAL DATE 7-23-15

REGISTERED PROFESSIONAL ENGINEER — Mazin Ibrahim — No. C69896 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

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LEGEND:

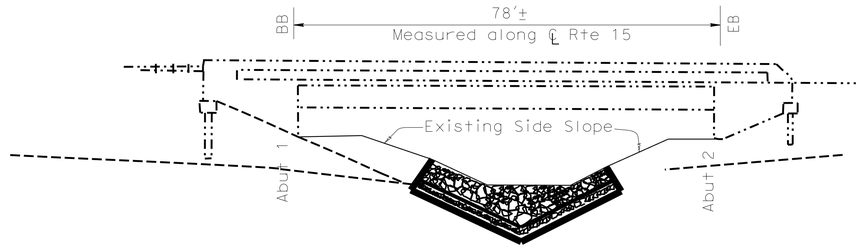
INDICATE EXISTING.

INDICATES DIRECTION OF TRAFFIC.

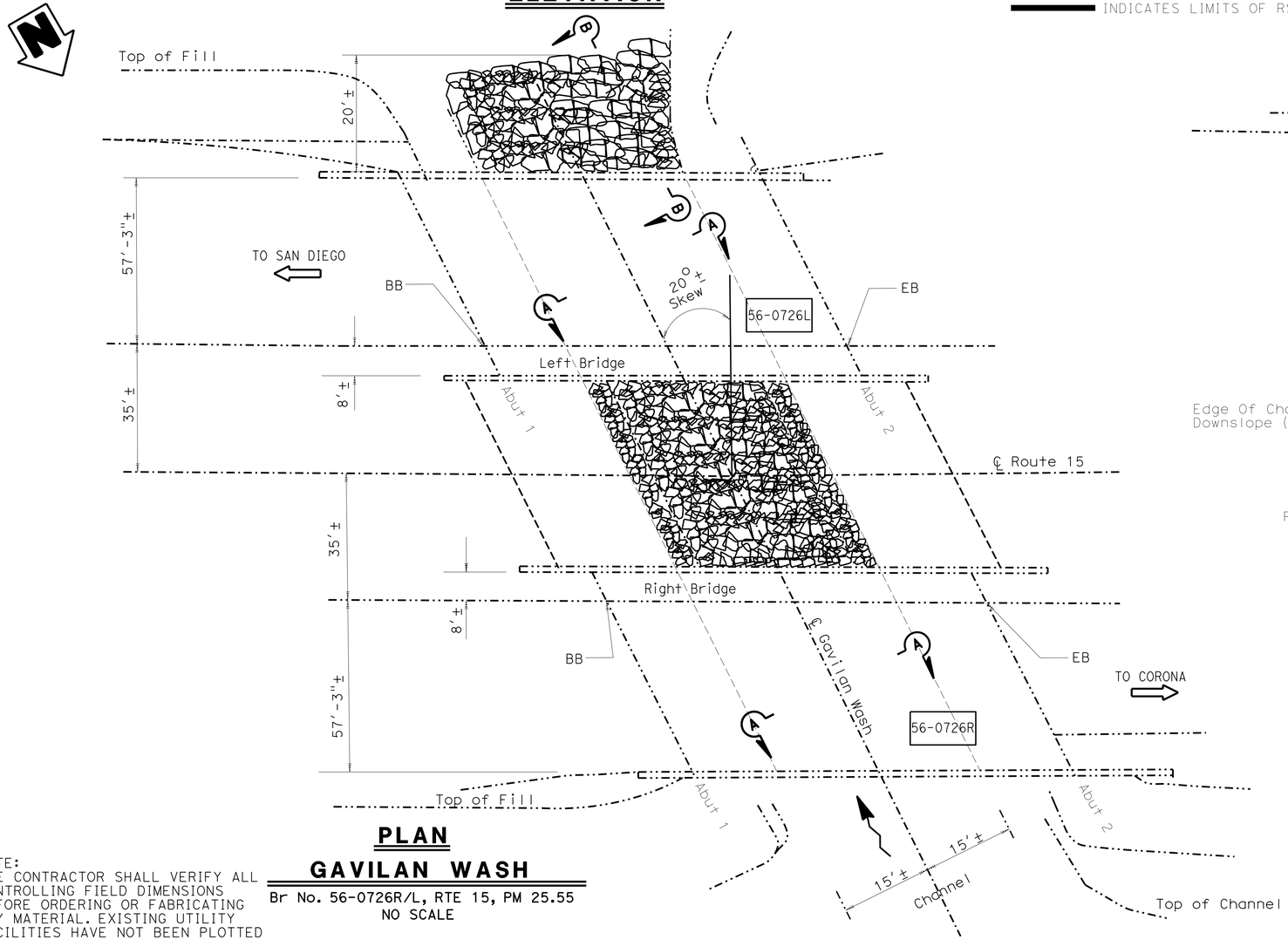
INDICATES LIMITS OF EXCAVATION AND CONCRETE (GROUTED) ROCK (1 TON) SLOPE PROTECTION REPLACEMENT (METHOD B) IN OUTSIDE LAYER SEE MISCELLANEOUS DETAILS SHEET.

INDICATES LIMITS OF EXCAVATION AND 1/4 TON ROCK PROTECTION REPLACEMENT IN INSIDE LAYER (METHOD B), SEE MISCELLANEOUS DETAILS SHEET.

INDICATES LIMITS OF RSP FABRIC



ELEVATION



PLAN

GAVILAN WASH

Br No. 56-0726R/L, RTE 15, PM 25.55

NO SCALE

NOTE:
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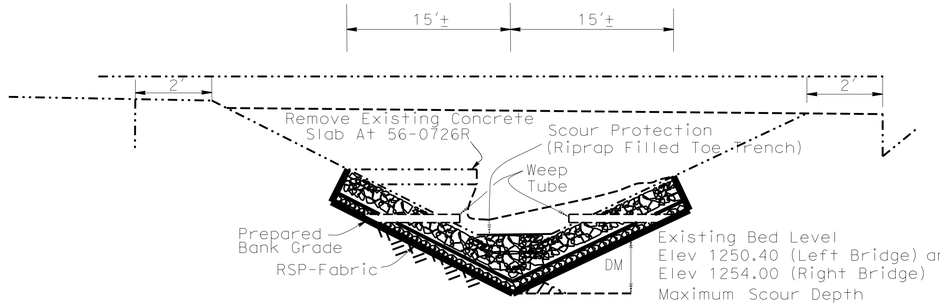
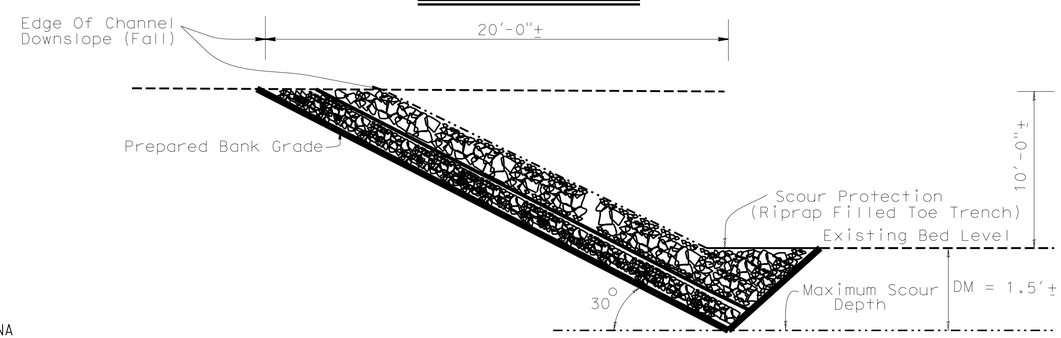


SECTION A-A



SECTION B-B

GALIVAN WASH #56-0726R/L
QUANTITIES

STRUCTURE EXCAVATION (ROCK SLOPE PROTECTION)	1,013 CY
ROCK SLOPE PROTECTION (1/4 T, METHOD B) (CY)	503 CY
CONCRETED-ROCK SLOPE PROTECTION (1T, METHOD B)	510 CY
ROCK SLOPE PROTECTION FABRIC (CLASS 8)	620 SQYD

BRIDGE SCOUR MITIGATION

GALIVAN WASH

GENERAL PLAN NO. 4

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Ramesh Patel	CHECKED Mazin Ibrahim	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
DETAILS	BY Eugene Goishi	CHECKED Ramesh Patel	LAYOUT	BY Eugene Goishi	CHECKED Ramesh Patel	
QUANTITIES	BY Ramesh Patel	CHECKED Mazin Ibrahim	SPECIFICATIONS	BY Kevin Ellingson	PLANS AND SPECS COMPARED Kevin Ellingson	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

UNIT: 3489
PROJECT NUMBER & PHASE: 0800020295

BRIDGE NO. 53-0726R/L
POST MILE 25.55
CONTRACT NO.: 08-002004

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES						SHEET	OF
6-19-14						4	5

FILE => 0800020295-a-gp04.dgn

USERNAME => s102458 DATE PLOTTED => 27-AUG-2015 TIME PLOTTED => 11:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	10,15	Var	13	13

08/18/14
REGISTERED CIVIL ENGINEER DATE

7-28-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Mazin Ibrahim
No. C69896
Exp. 09/30/14
CIVIL
STATE OF CALIFORNIA

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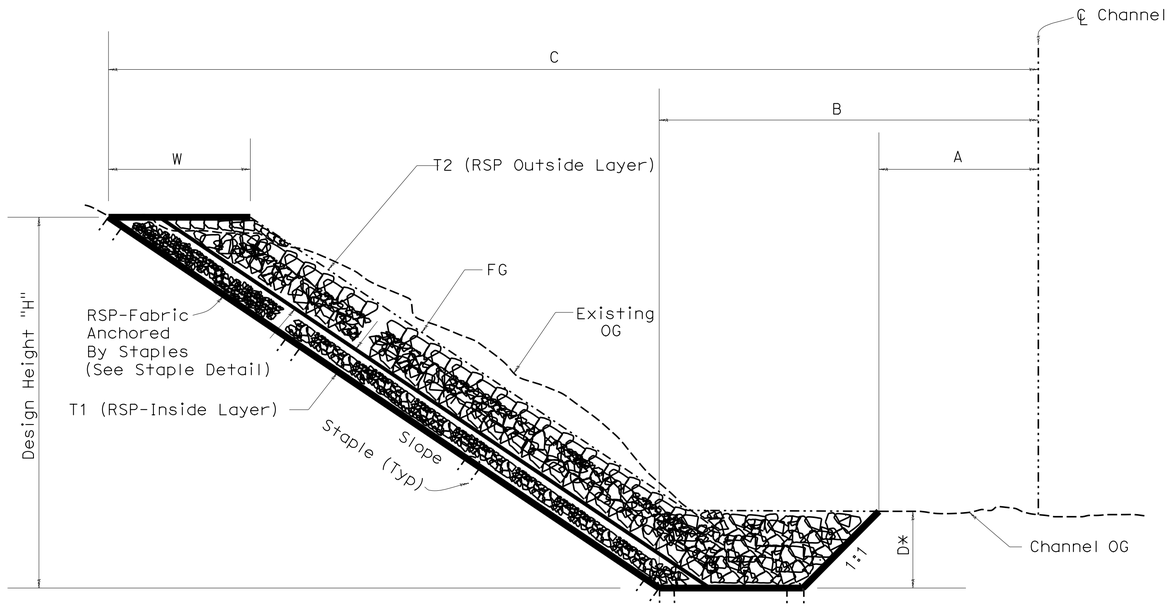
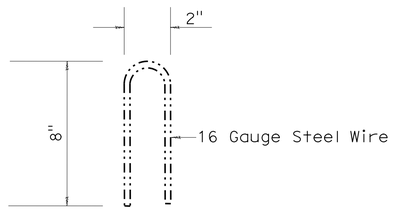
ROCK SLOPE PROTECTION TABLE

												METHOD OF PLACEMENT	
BRIDGE NUMBER	BRIDGE NAME	A (FEET)	B (FEET)	C (FEET)	H (FEET)	T1 INSIDE LAYER (FEET)	T2 OUTSIDE LAYER (FEET)	W BENCH (FEET)	D OR DM (FEET)	RSP CLASS INSIDE LAYER (TON)	RSP CLASS OUTSIDE LAYER (TON)	RSP INSIDE LAYER (TYPE)	RSP OUTSIDE LAYER (TYPE)
56-0469R	COTTON GULCH	17±	22+	45±	10.6±	1.25±	5.4±	6.65±	5±	1/4	1	B	B
56-0469L	COTTON GULCH	17±	22±	45±	10.6±	1.25±	5.4±	6.65±	5±	1/4	1	B	B
56-0015R	ISORA DITCH	0	0	25±	15±	1.25±	5.4±	6.65±	5±	1/4	1	B	B
56-0726R	GAVILAN WASH	0	0	15±	17±	1.25±	5.4±	6.65±	5±	1/4	1	B	B
56-0726L	GAVILAN WASH	0	0	15±	17±	1.25±	5.4±	6.65±	5±	1/4	1	B	B



RSP TYPICAL SECTION

(WEEP TUBES NOT SHOWN SEE NOTE 6)



STAPLE DETAIL

(SEE NOTE 7)

LEGEND:

- INDICATE EXISTING.
- INDICATES LIMITS OF EXCAVATION AND CONCRETE (GROUTED) ROCK (1 TON) SLOPE PROTECTION REPLACEMENT (METHOD B) IN OUTSIDE LAYER.
- INDICATES LIMITS OF EXCAVATION AND 1/4 TON ROCK PROTECTION REPLACEMENT IN INSIDE LAYER (METHOD B).
- INDICATES LIMITS OF RSP-FABRIC

NOTES:

Note:
1. Place RSP Fabric throughout the bottom of excavated trench & anchor beneath any existing rock.
2. Conform FG to existing slope or existing revetment at each end and vary T1 or T2 accordingly.
3. Excavate depth "D" or less if bedrock is encountered.
4. Excavate bank to a uniform slope prior to placing RSP Fabric & RSP.
5. Elevation limit of RSP is site specific and maybe higher than design high water. If trench is not feasible, stake or pin fabric.
6. Install minimum of 2 tiers of WEEP tubes, minimum 2 inch diameter perforated plastic pipe, spaced 5 feet vertically and 10 feet in plan view.
7. Anchor RSP Fabric to ground with steel staples, see STAPLE DETAIL, 4'-0" C-C both directions, staggered between rows.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Ramesh Patel	CHECKED Tony Brake	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	BY Eugene Goishi	CHECKED Ramesh Patel	LAYOUT	BY Eugene Goishi	CHECKED Ramesh Patel
QUANTITIES	BY Ramesh Patel	CHECKED Tony Brake	SPECIFICATIONS	BY Kevin Ellingson	PLANS AND SPECS COMPARED Kevin Ellingson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

BRIDGE SCOUR MITIGATION
MISCELLANEOUS DETAILS

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0800020295
CONTRACT NO.: 08-002004

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES						SHEET	OF
6-19-14						5	5

FILE => 0800020295-c- Miscdtls01.dgn

USERNAME => s102458 DATE PLOTTED => 27-AUG-2015 TIME PLOTTED => 11:27