

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	LAYOUTS
4	TEMPORARY WATER POLLUTION CONTROL
5-10	DRAINAGE PLANS, PROFILES, DETAILS AND QUANTITIES
11	CONSTRUCTION AREA SIGNS
12-13	STAGE CONSTRUCTION PLANS AND QUANTITIES
14	PAVEMENT DELINEATION QUANTITIES
15	SUMMARY OF QUANTITIES
16-20	NEW AND REVISED STANDARD PLANS

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

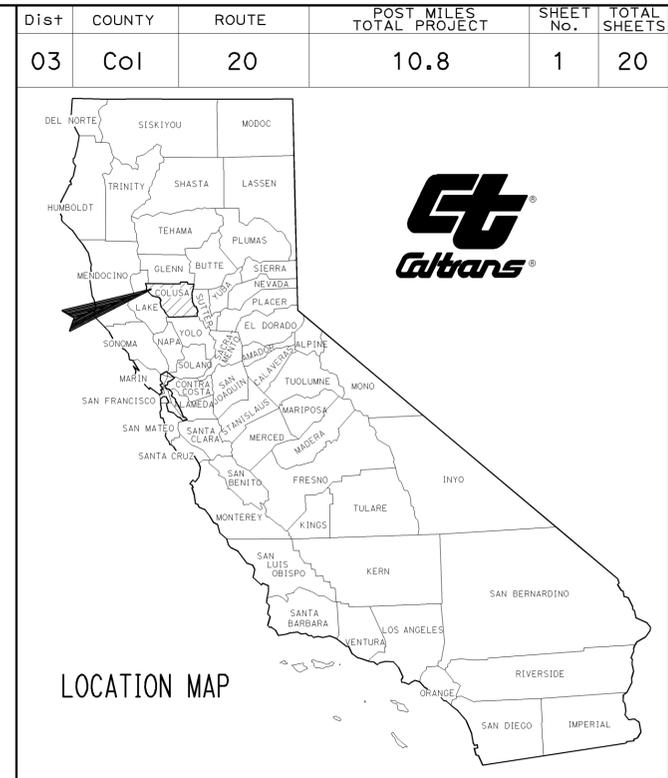
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

NH-P020(158)E

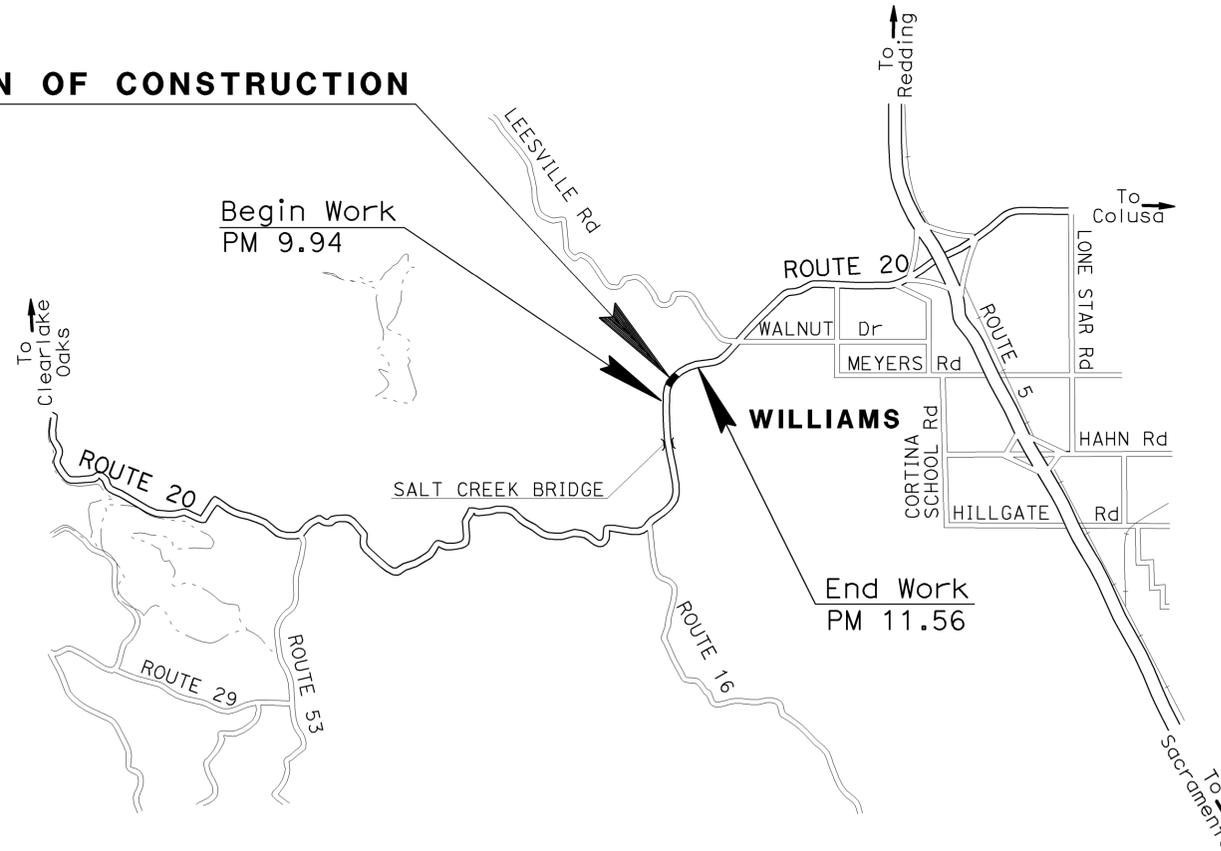
PROJECT PLANS FOR CONSTRUCTION ON
 STATE HIGHWAY

IN COLUSA COUNTY
 ABOUT 10.0 MILES WEST OF
 WILLIAMS AT 2.7 MILES
 EAST OF SALT CREEK BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATION OF CONSTRUCTION
 PM 10.8



NO SCALE

PROJECT MANAGER	NAJED DAKAK
DESIGN ENGINEER	MOHAMMAD U. SADIQ

PROJECT ENGINEER DATE 3-24-11
 REGISTERED CIVIL ENGINEER



March 21, 2011

PLANS APPROVAL DATE

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

CONTRACT No.	03-OF0504
PROJECT ID	0300000063

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	2	20

DESIGN DESIGNATION

ADT (2011)	5,140	D	54%
ADT (2031)	6,430	T	7.0%
		V	55 mph
ESAL	140,200	TI ₂₀	10.0

REGISTERED CIVIL ENGINEER DATE 3-24-11
 REGISTERED CIVIL ENGINEER DATE 3-21-11
 PLANS APPROVAL DATE

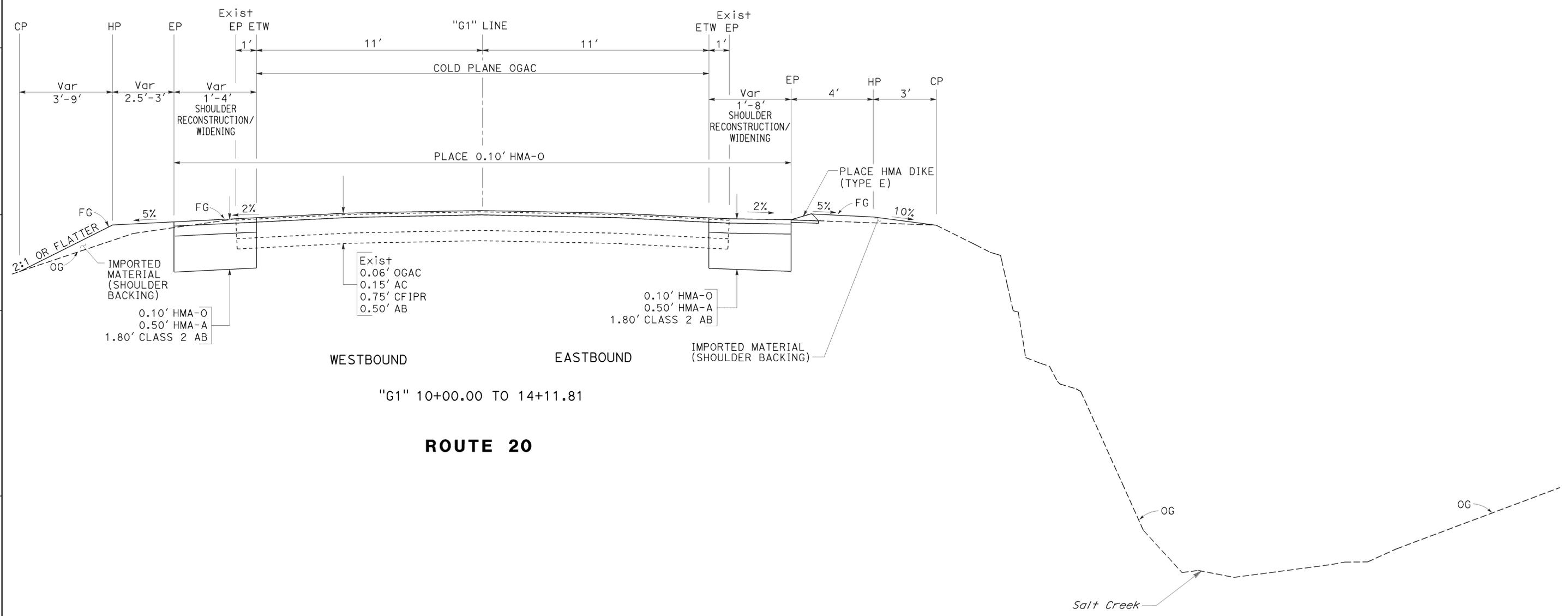
SCOTT MANN
 No. 72005
 Exp 6-30-12
 CIVIL

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ABBREVIATIONS

- CFIPR - COLD FOAM IN-PLACE RECYCLING
- CP - CATCH POINT
- HMA-A - HOT MIX ASPHALT (TYPE A)
- HMA-O - HOT MIX ASPHALT (TYPE O)

REVISOR: GINA LOPEZ
 CHECKED BY: MOHAMMAD SADIQ
 SUPERVISOR: MOHAMMAD SADIQ
 ENGINEER: NORTH REGION DIVISION OF ENGINEERING



"G1" 10+00.00 TO 14+11.81

ROUTE 20

TYPICAL CROSS SECTIONS
 NO SCALE
X-1

LAST REVISION DATE PLOTTED => 13-APR-2011 00-00-00 TIME PLOTTED => 13:00

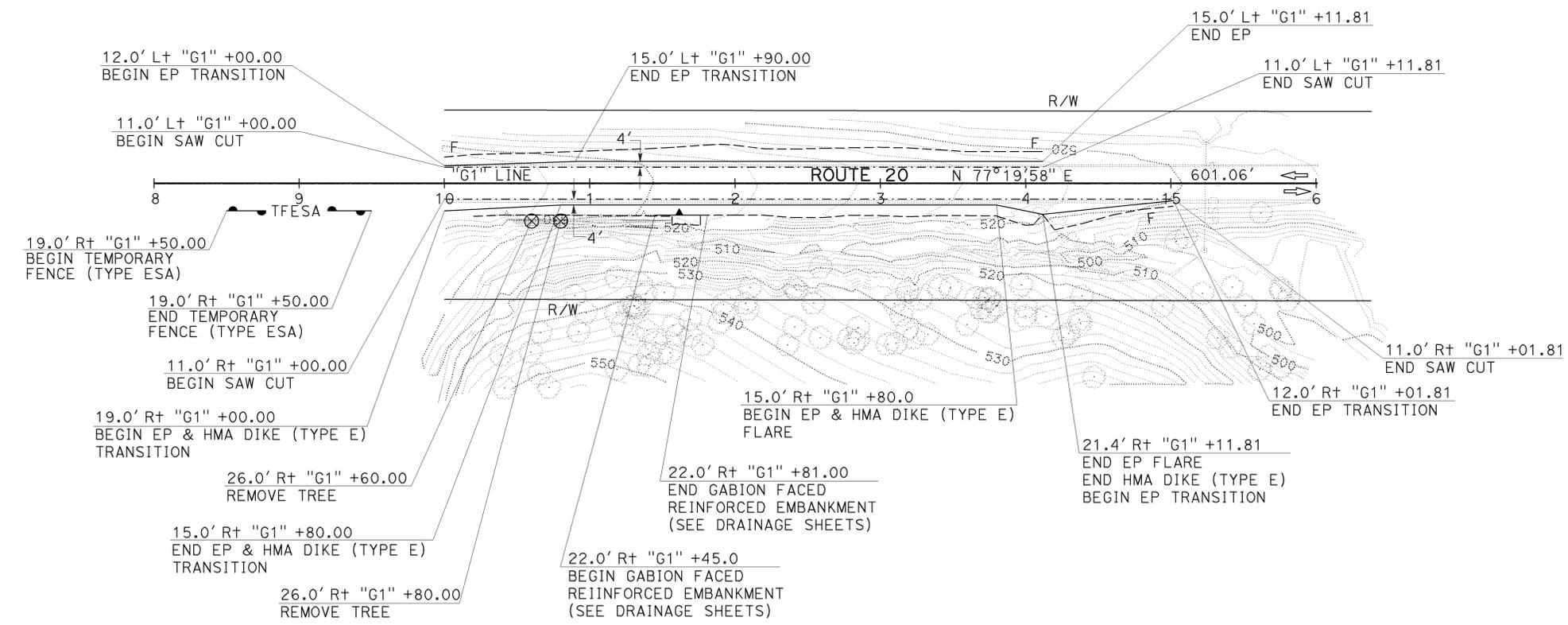
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	3	20

REGISTERED CIVIL ENGINEER	DATE	3-24-11
PLANS APPROVAL DATE		
3-21-11		
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NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND

- DIRECTION OF TRAFFIC
- SAW CUT LINE
- REMOVE TREE

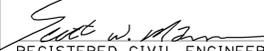


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 DIVISION OF ENGINEERING
 FUNCTIONAL SUPERVISOR: MOHAMMAD SADIO
 CALCULATED/DESIGNED BY: GINA LOPEZ
 CHECKED BY: GINA LOPEZ
 REVISED BY: GINA LOPEZ
 DATE REVISED: GINA LOPEZ

LAYOUT
SCALE: 1" = 50'

L-1

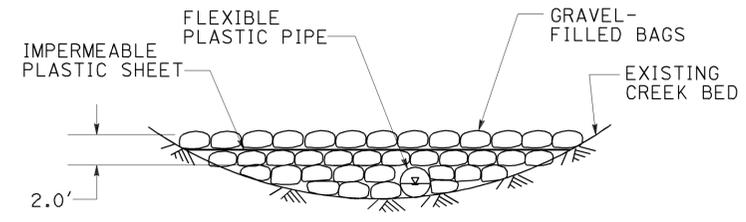
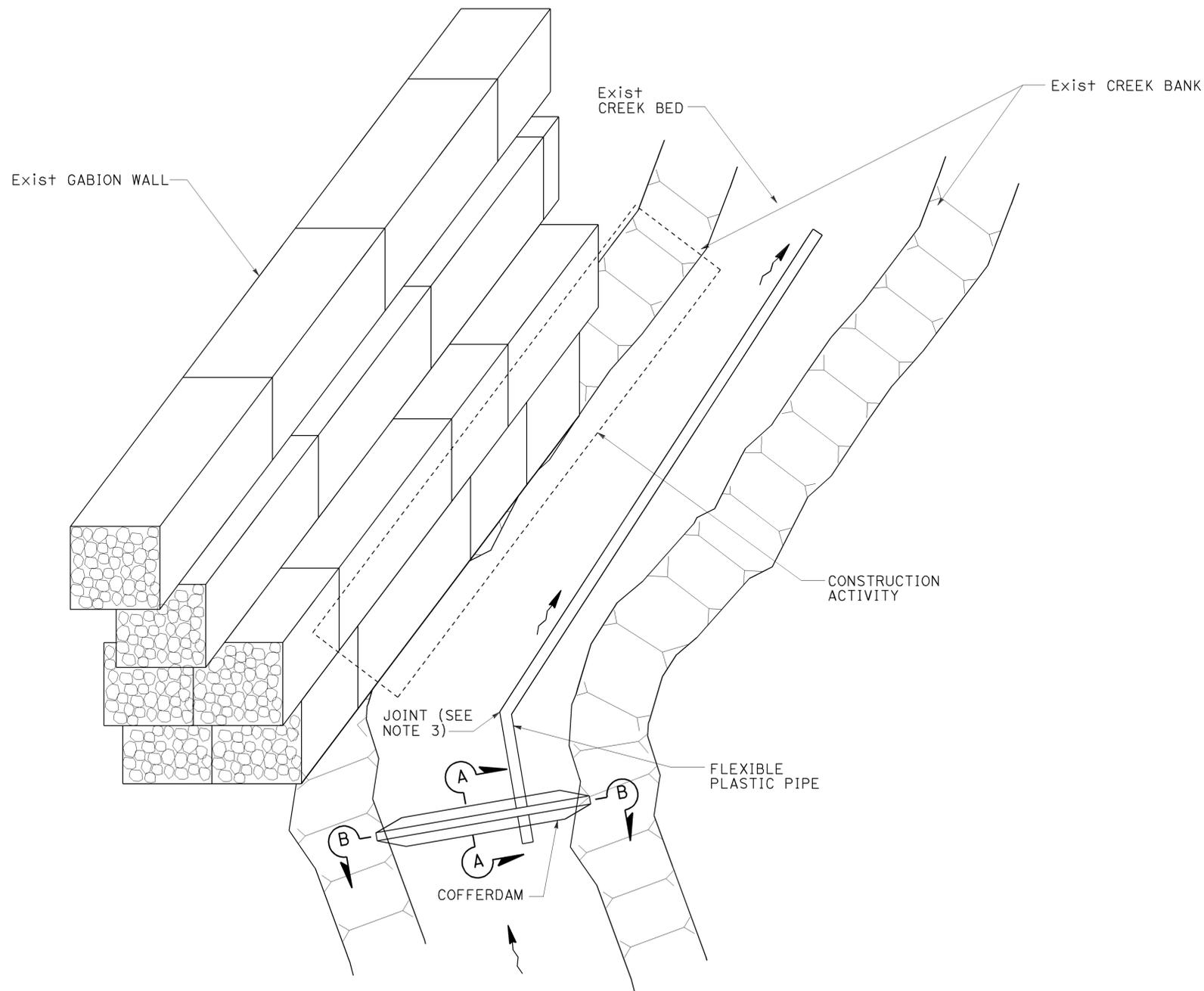
LAST REVISION | DATE PLOTTED => 13-APR-2011
 00-00-00 | TIME PLOTTED => 13:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	4	20
			3-24-11	DATE	
REGISTERED CIVIL ENGINEER					
3-21-11			PLANS APPROVAL DATE		
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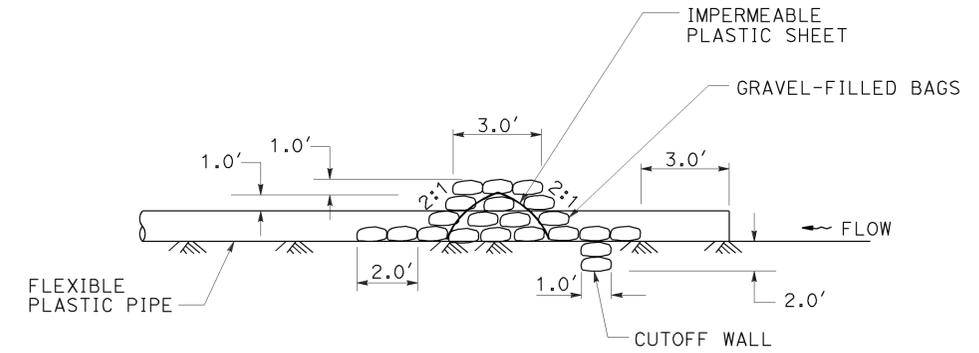


NOTES:

1. GRAVEL-FILLED BAG ANCHORS TO BE PLACED AT INTERMEDIATE LOCATIONS AS DETERMINED BY ENGINEER.
2. EXACT LOCATION AND DIMENSIONS OF GRAVEL BAG BERM TO BE DETERMINED BY ENGINEER.
3. USE FLEXIBLE PIPE OR RIGID PIPE WITH WATER TIGHT JOINTS AS NECESSARY TO FOLLOW CREEK BED ALIGNMENT.



SECTION B-B



SECTION A-A

TEMPORARY GRAVEL BAG BERM

STATION	LF
"G1" 10+20	600
TOTAL	600

PLAN
TEMPORARY CREEK DIVERSION SYSTEM
PM 10.74 TO 10.76 (SALT CREEK)

TEMPORARY WATER POLLUTION CONTROL DETAILS

NO SCALE

WPC-1

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 NORTH REGION
 DIVISION OF ENGINEERING
 FUNCTIONAL SUPERVISOR: MOHAMMAD SADIQ
 CALCULATED/DESIGNED BY: GINA LOPEZ
 CHECKED BY: GINA LOPEZ
 REVISED BY: GINA LOPEZ
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	5	20

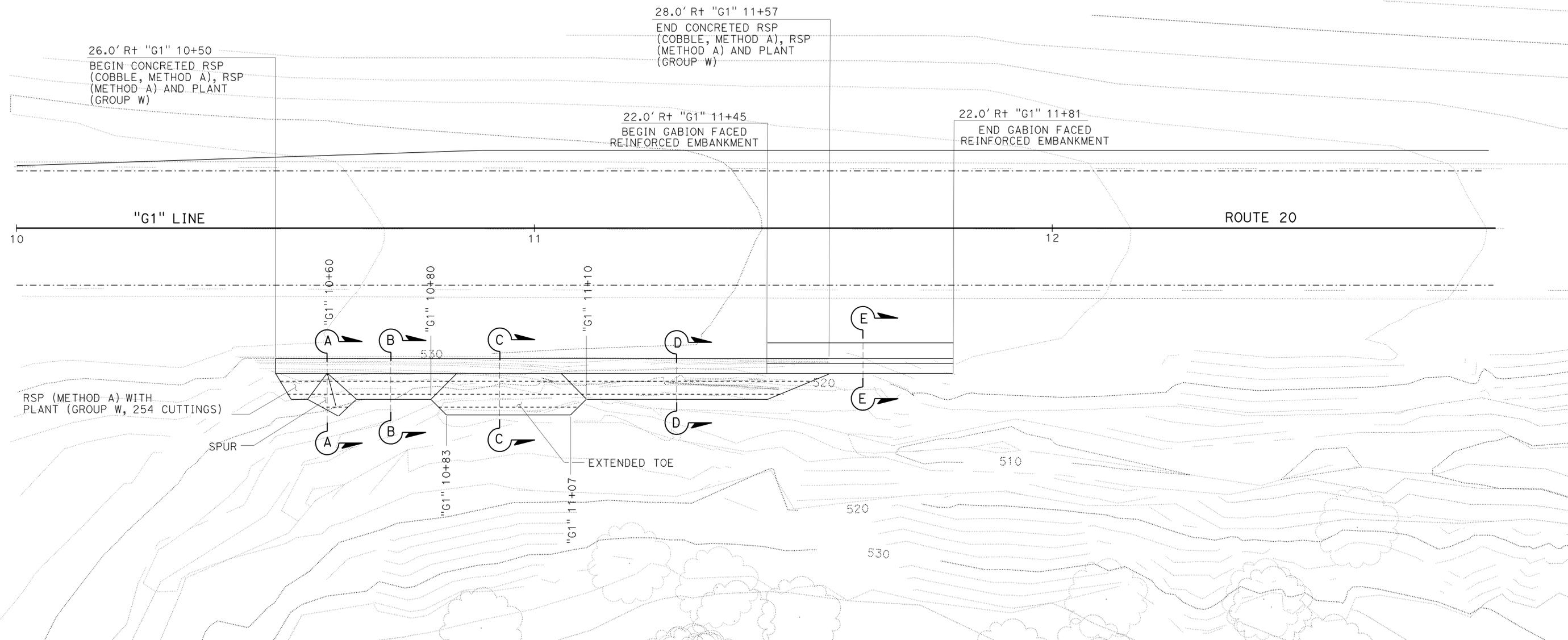
<i>James M. Philipp</i> REGISTERED CIVIL ENGINEER	3-10-11 DATE
3-21-11 PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER JAMES PHILIPP No. C59614 Exp. 12-31-11 CIVIL STATE OF CALIFORNIA

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NOTES:

SEE DRAINAGE DETAILS SHEET DD-1 FOR DETAILS ON FIVE SECTIONS



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 ENGINEERING - HYDRAULICS

FUNCTIONAL SUPERVISOR
 DENNIS R. JAGODA

CALCULATED/DESIGNED BY
 CHECKED BY
 JAMES M. PHILIPP

REVISED BY
 DATE
 REVISED

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY

DRAINAGE PLAN
 SCALE: 1" = 10'
D-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	6	20

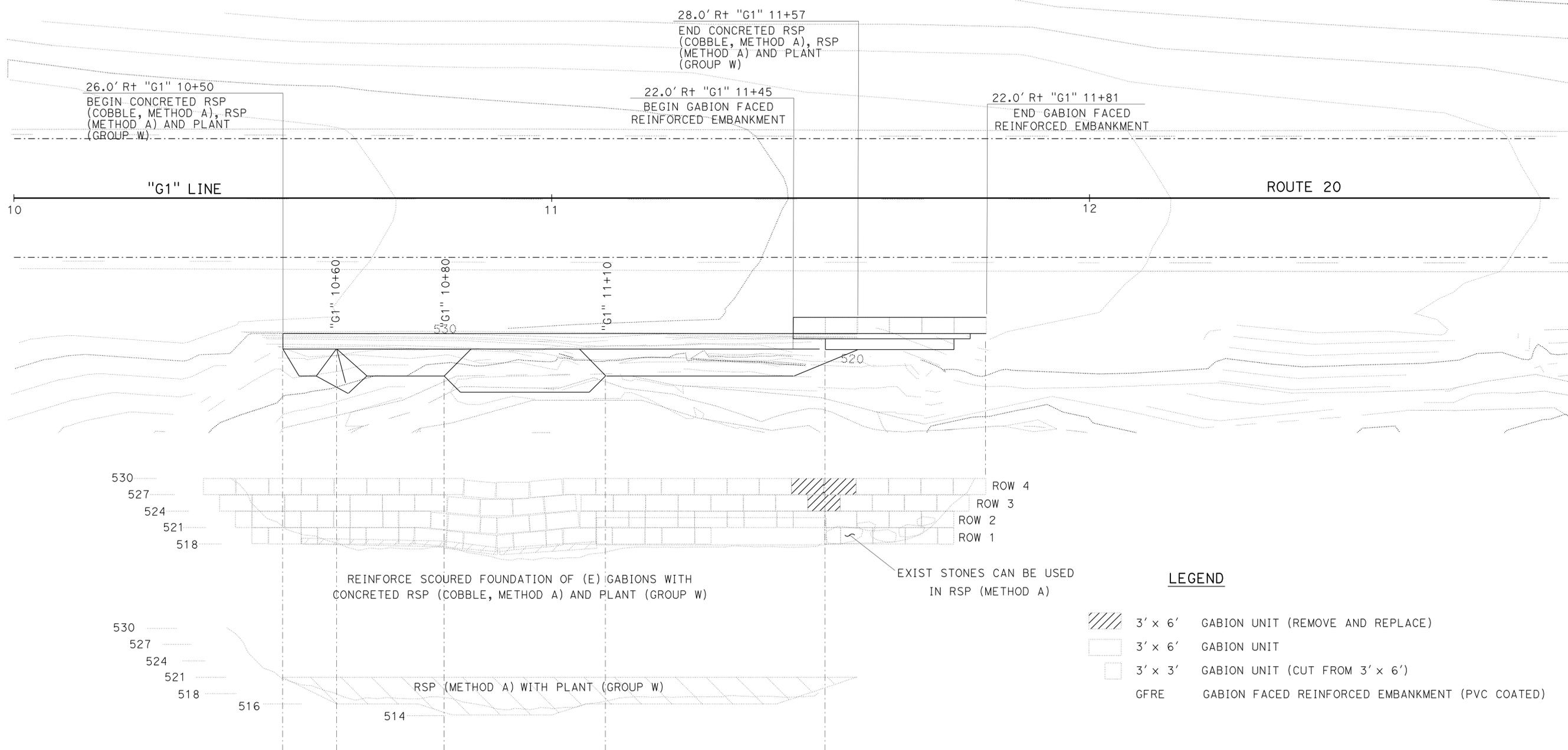
James M. Philipp
 REGISTERED CIVIL ENGINEER DATE 3-10-11
 3-21-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 JAMES PHILIPP
 No. C59614
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

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 FUNCTIONAL SUPERVISOR
 DENNIS R. JAGODA
 CALCULATED/DESIGNED BY
 CHECKED BY
 JAMES M. PHILIPP
 REVISED BY
 DATE REVISED



DRAINAGE PROFILE
SCALE: 1" = 10'

DP-1

LAST REVISION DATE PLOTTED => 13-APR-2011 00-00-00 TIME PLOTTED => 15:05

NOTES:

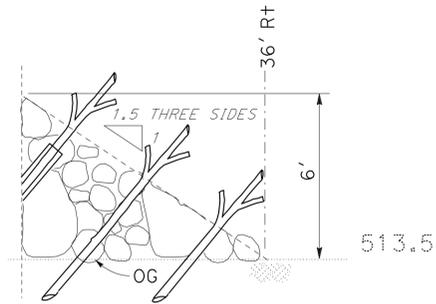
1. REINFORCE (E) SCOURED FOUNDATION OF GABIONS WITH CONCRETED RSP (COBBLE, METHOD A) & WILLOW CUTTINGS
2. PLACE WILLOW CUTTINGS AT 1' ON CENTER IN TWO OR THREE ROWS ALONG STONE TOE AS DESCRIBED IN SPECIAL PROVISIONS
3. PLACE CONCRETED COBBLE OUT TO OUTER FACE OF EXISTING GABION BASKETS
4. SEE DQ-1 FOR DETAILS ON GABIONS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	7	20

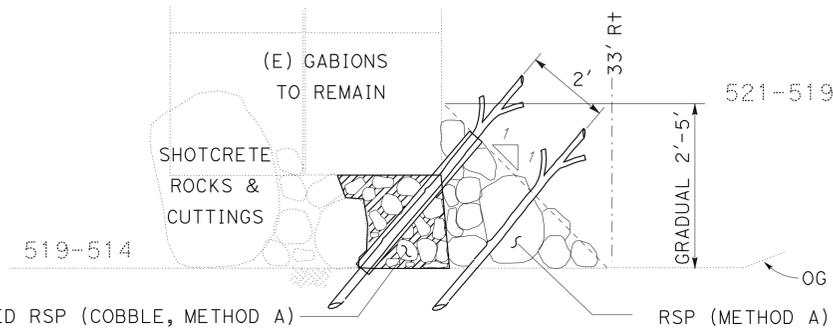
<i>James M. Philipp</i>	3-10-11
REGISTERED CIVIL ENGINEER	DATE
3-21-11	
PLANS APPROVAL DATE	

JAMES PHILIPP
No. C59614
Exp. 12-31-11
CIVIL

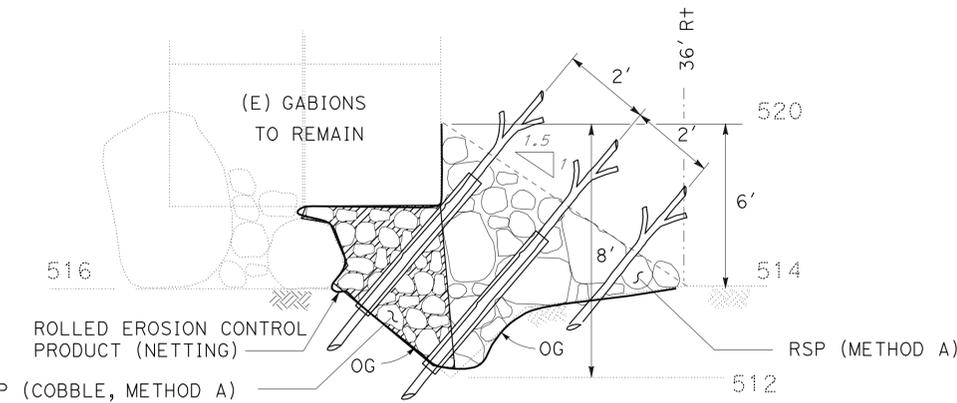
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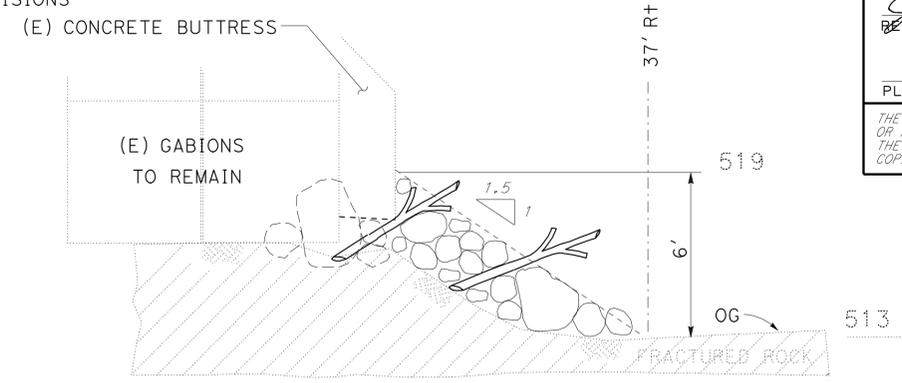
SPUR AT 10+60 ANGLED 15° DOWNSTREAM
SECTION A-A
SPUR



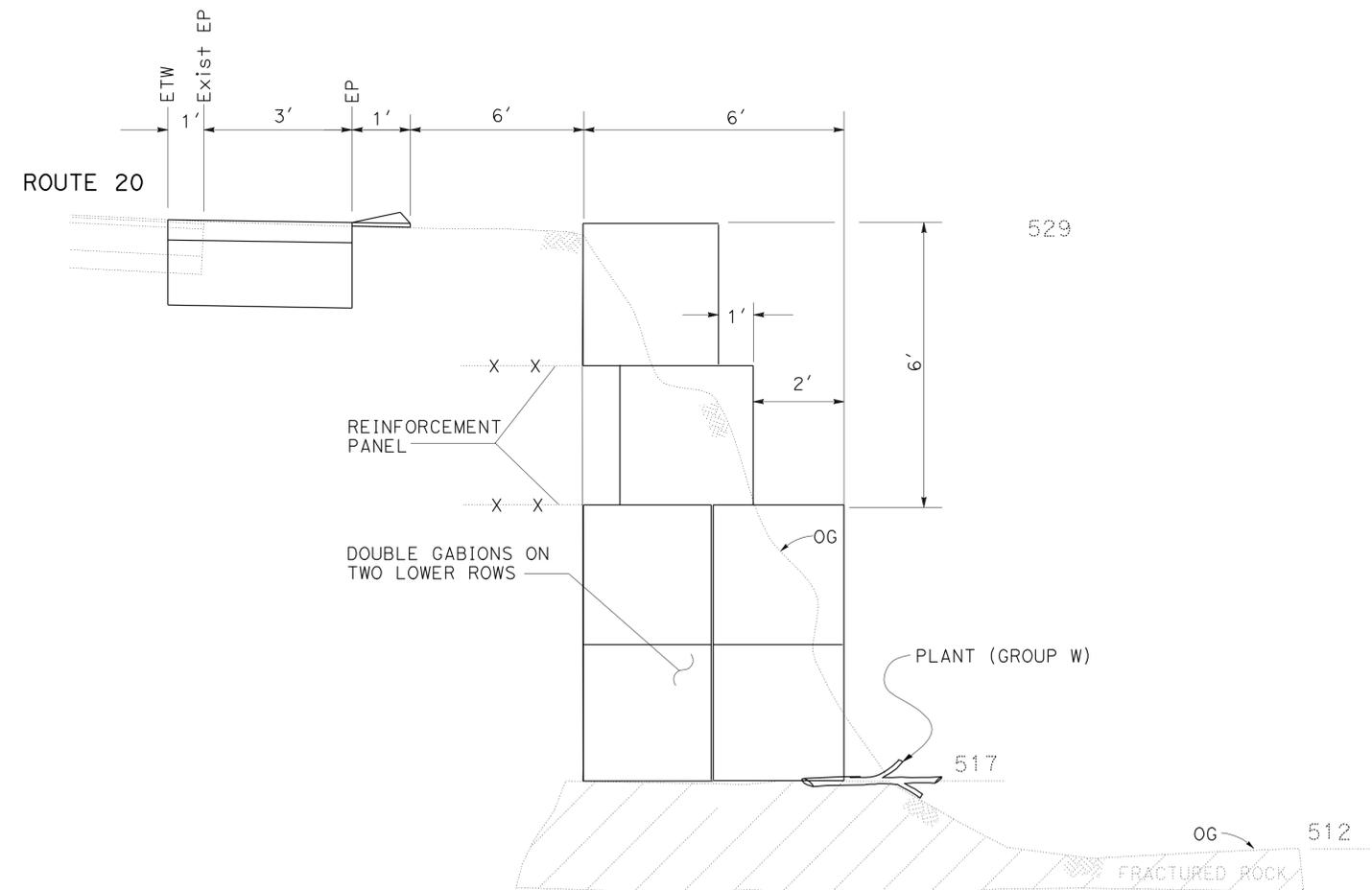
"G1" STA 10+50 TO 10+80
SECTION B-B



EXTENDED TOE
"G1" STA 10+80 TO 11+10
SECTION C-C



RSP (METHOD A) WITH PLANT (GROUP W)
"G1" STA 11+10 TO 11+57
SECTION D-D



GFRE
"G1" STA 11+51 TO 11+81.0
SECTION E-E

**CONCRETED RSP & RSP (METHOD A),
EXTENDED TOE, SPUR, WITH PLANT (GROUP W)**

DRAINAGE DETAILS
NO SCALE
DD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION
ENGINEERING - HYDRAULICS

FUNCTIONAL SUPERVISOR
DENNIS R. JAGODA

JAMES M. PHILIPP

REVISOR BY
DATE REVISOR

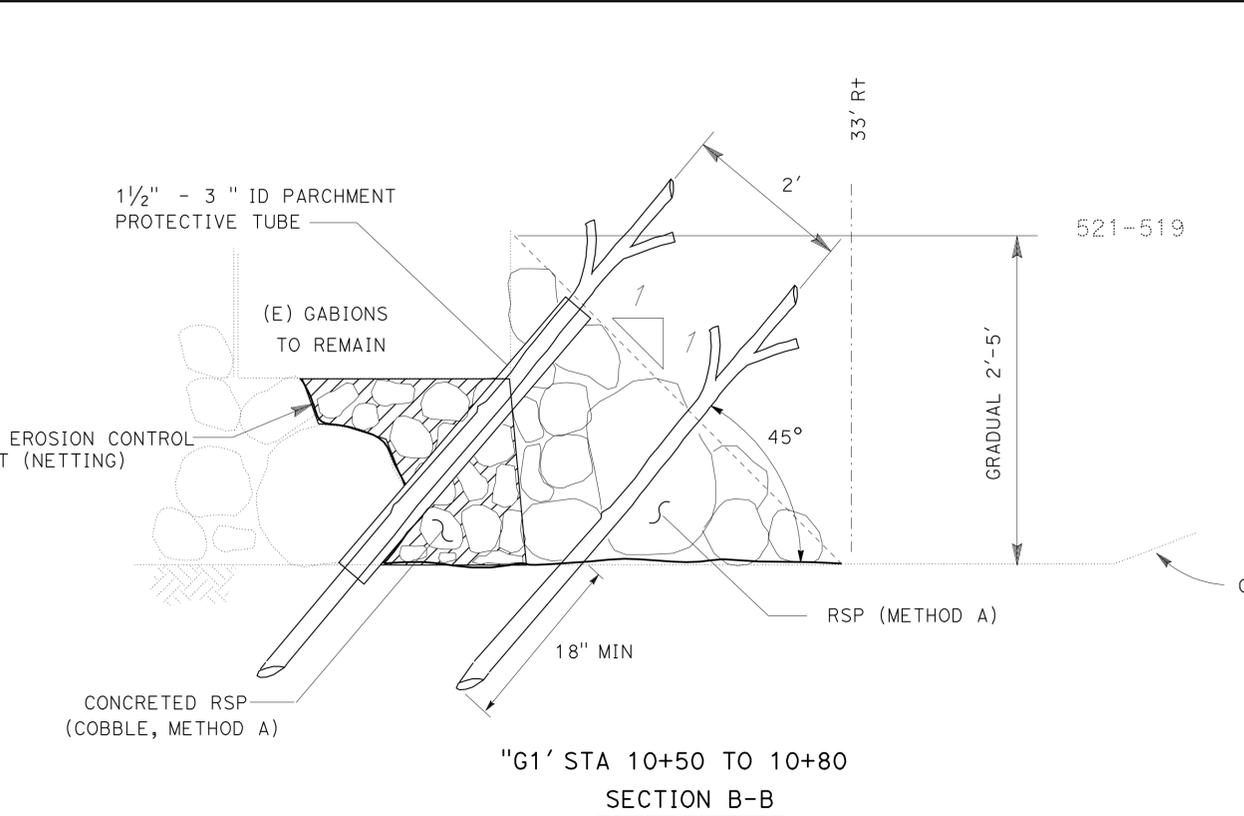
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FUNCTIONAL SUPERVISOR
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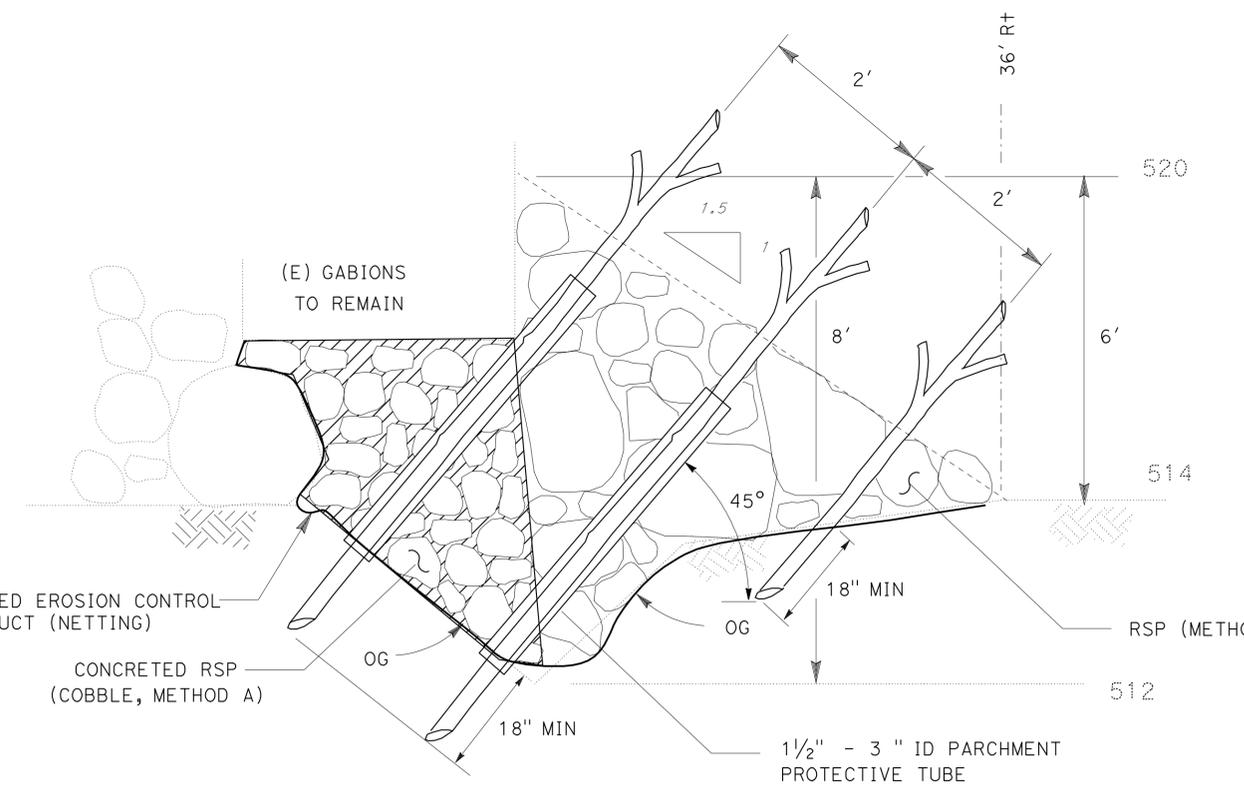
REVISOR BY
 JAMES M. PHILIPP

DESIGNED BY
 JAMES M. PHILIPP

CHECKED BY



"G1" STA 10+50 TO 10+80
 SECTION B-B



"G1" STA 10+80 TO 11+10
 SECTION C-C

NOTES:

1. PLANT (GROUP W) ARE ALSO SHOWN AS WILLOW(S) OR WILLOW CUTTINGS

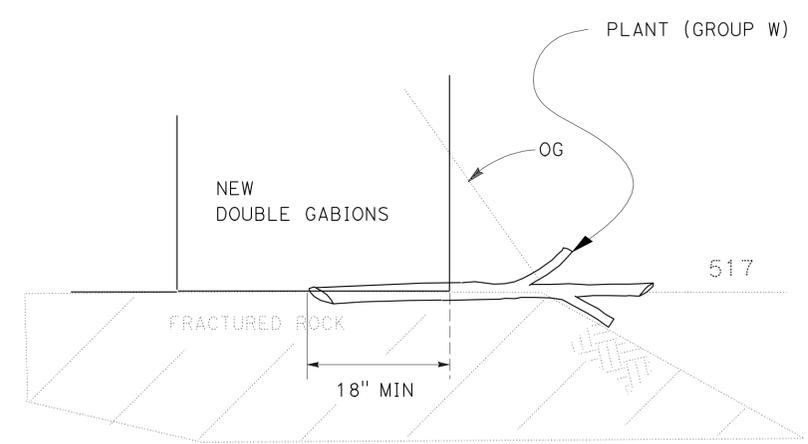
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	8	20

James M. Philipp
 REGISTERED CIVIL ENGINEER
 3-10-11 DATE
 3-21-11
 PLANS APPROVAL DATE

JAMES PHILIPP
 No. C59614
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

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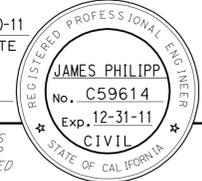
- ORDER OF WORK FOR CONCRETED RSP AND RSP (METHOD A) AND WILLOWS:
1. PROTECT IN PLACE THREE EXISTING TREES, WILLOW, RED BUD AND COTTONWOOD.
 2. REMOVE EXISTING CONCRETE ATTACHED TO GABIONS THAT EXTENDS BEYOND OUTER FACE OF BASKETS UP TO STA 11+10 WHERE POSSIBLE WITHOUT DAMAGING EXIST BASKETS.
 3. LINE ENTIRE AREA UNDER GABIONS WITH ROLLED EROSION CONTROL PRODUCT (NETTING).
 4. PLACE WILLOW CUTTINGS AT 1' ON CENTER TO DEPTH SHOWN BELOW IN DETAILS IN ONE ROW ALONG AND BELOW EXIST GABIONS, PLANTS IN SHOTCRETE PROTECTED BY 1.5"-3" DIA X 5' PARCHMENT TUBES.
 5. PLACE COBBLE AND SHOTCRETE AROUND WILLOWS OUT TO OUTER FACE OF EXISTING GABION BASKETS
 6. PLACE 1/2 AND 1/4 TON AROUND/ALONG ALREADY PLACED CONCRETED RSP AND WILLOWS.
 7. PLACE WILLOW CUTTINGS AT 1' INTERVALS RANDOMLY AMONG THE 1/2 TON AND 1/4 TON ROCK ALREADY IN PLACE.



GFRE
 "G1" STA 11+51 TO 11+81.0
 SECTION E-E

DRAINAGE DETAILS
 NO SCALE

DD-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	9	20
 REGISTERED CIVIL ENGINEER			3-10-11	DATE	
3-21-11 PLANS APPROVAL DATE					
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Caltrans	DENNIS R. JAGODA	JAMES M. PHILIPP	
NORTH REGION ENGINEERING - HYDRAULICS	CHECKED BY	DATE	REVISOR



**PERSPECTIVE RENDERING OF CONCRETED RSP & RSP (METHOD A),
EXTENDED TOE, SPUR, WITH WILLOW CUTTINGS**

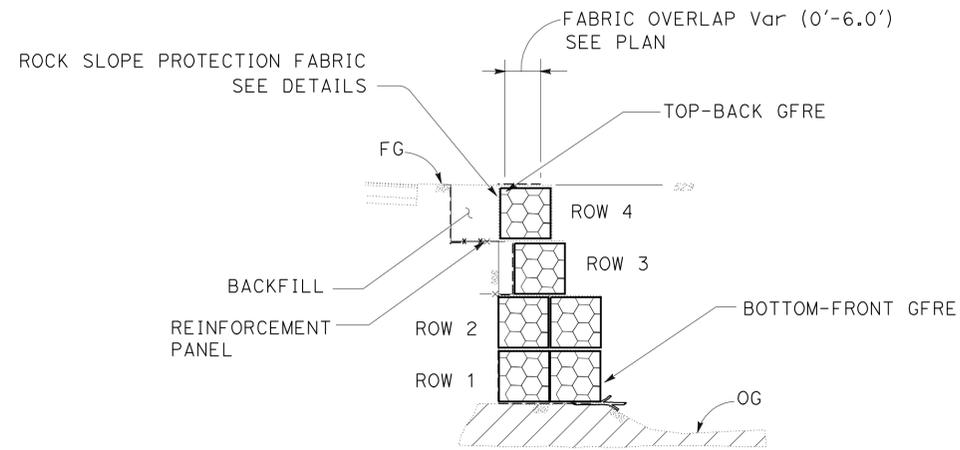
DRAINAGE DETAILS
NO SCALE
DD-3

NOTES:

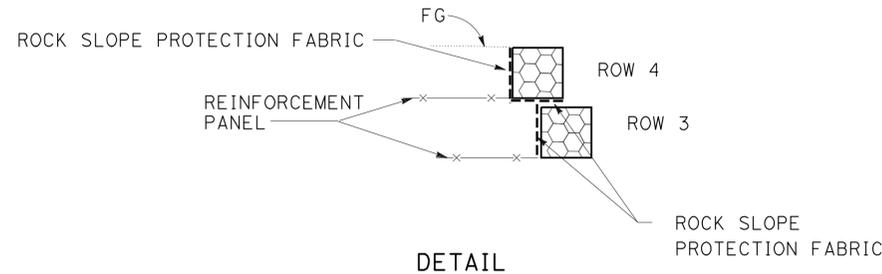
- FOR DETAILS OF RSP (METHOD A) SEE DRAINAGE PROFILES AND DRAINAGE DETAILS
- FOR DETAILS NOT SHOWN ON GABION BASKETS SEE Std PLAN D100A AND D100B .
- GFRE - GABION FACED REINFORCED EMBANKMENT

CUBICAL-CELLED GABION BASKET SIZES

LENGTH	WIDTH	HEIGHT	NUMBER OF DIAPHRAGMS	VOLUME
FT	FT	FT		CY
6'	3'	3'	1	2
3'	3'	3'	0	1



TYPICAL GFRE
"G1" STA 11+45 TO 11+81

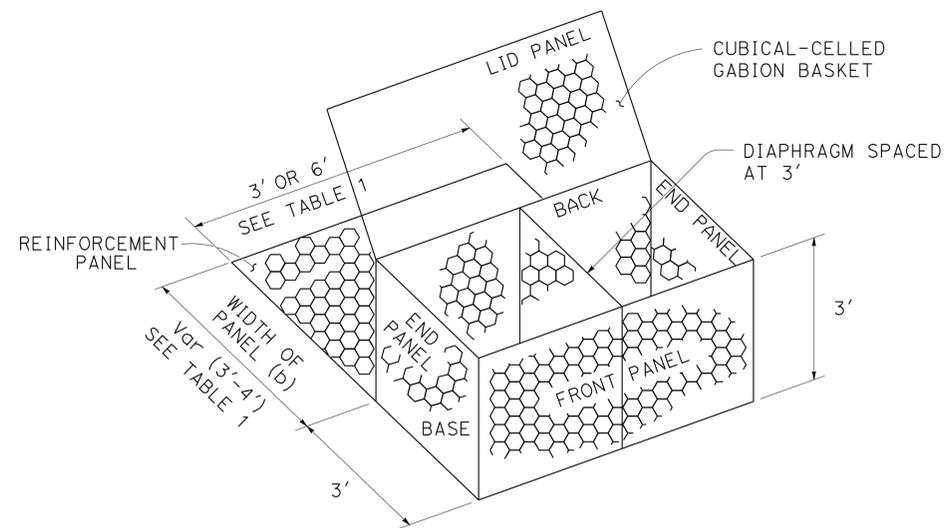


NOTES:

- WRAP ROCK SLOPE PROTECTION FABRIC AROUND GABION SO THAT IT COMPLETELY COVERS PORTION OF GABION IN CONTACT WITH SOIL.
- INTERNAL CONNECTING WIRE AND GABION MESH SHALL BE GALVANIZED AND PVC COATED.

TABLE 1

GFRE SECTION	HEIGHT OF GFRE	LENGTH OF GFRE	WIDTH OF REINFORCEMENT PANEL (b)
	FT	FT	FT
ROW 1	3.0	24.0	0.0
ROW 2	3.0	24.0	0.0
ROW 3	3.0	30.0	3.0
ROW 4	3.0	36.0	4.0



TYPICAL GFRE GABION BASKET (Mod)

GFRE (POLYVINYL CHLORIDE COATED)

STATION LIMITS	GFRE SECTION	GABION FACED REINFORCED EMBANKMENT (POLYVINYL CHLORIDE COATED)	ROCK SLOPE PROTECTION FABRIC	BACKFILL (N)
		CY	SQYD	CY
GFRE "G1" 11+45.0 TO 11+81.0	ROW 1	16	9	
	ROW 2	16	12	
	ROW 3	10	11	7
	ROW 4	12	18	8
TOTAL		54	50	15

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

DRAINAGE QUANTITIES

LOCATION	CONCRETE (CONCRETED-ROCK SLOPE PROTECTION)	CONCRETED-ROCK SLOPE PROTECTION (COBBLE, METHOD A)	ROCK SLOPE PROTECTION (METHOD A)	ROLLED EROSION CONTROL PRODUCT (NETTING)	PLANT (GROUP W)
	CY	CY	CY	SQFT	EA
"G1" 10+50 TO 10+80	5	5	7	720	60
"G1" 10+60			3		10
"G1" 10+80 TO 11+10	5	5	30	720	90
"G1" 11+10 TO 11+57			29	1128	94
TOTAL	10	10	69	2568	254

DRAINAGE DETAILS AND QUANTITIES

NO SCALE

DQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 NORTH REGION ENGINEERING - HYDRAULICS
 ENGINEERING - HYDRAULICS
 DENNIS R. JAGODA
 FUNCTIONAL SUPERVISOR
 CHECKED BY
 DESIGNED BY
 JAMES M. PHILIPP
 REVISOR
 DATE
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	11	20

REGISTERED CIVIL ENGINEER DATE 3-24-11
 REGISTERED CIVIL ENGINEER DATE 3-21-11
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 SCOTT MANN
 No. 72005
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	2
(B)	G20-2	C14	36" x 18"	END ROAD WORK	1 - 4" x 4"	2

LEGEND

SIGN - SINGLE POST

NOTES:

- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.



CONSTRUCTION AREA SIGNS
 NO SCALE
CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

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 NORTH REGION
 DIVISION OF ENGINEERING
 Caltrans®

REVISOR
 REVISED BY
 DATE REVISED

GINA LOPEZ

CALCULATED/DESIGNED BY
 CHECKED BY

FUNCTIONAL SUPERVISOR
 MOHAMMAD SADIO

MOHAMMAD SADIO

USERNAME => s134507
 DGN FILE => 03000000631a001.dgn

RELATIVE BORDER SCALE IS IN INCHES



UNIT 0322

PROJECT NUMBER & PHASE

03000000631

BORDER LAST REVISED 7/2/2010

LAST REVISION | DATE PLOTTED => 13-APR-2011
 00-00-00 | TIME PLOTTED => 13:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	12	20

REGISTERED CIVIL ENGINEER DATE 3-24-11
 REGISTERED CIVIL ENGINEER No. 72005 Exp 6-30-12
 PLANS APPROVAL DATE 3-21-11
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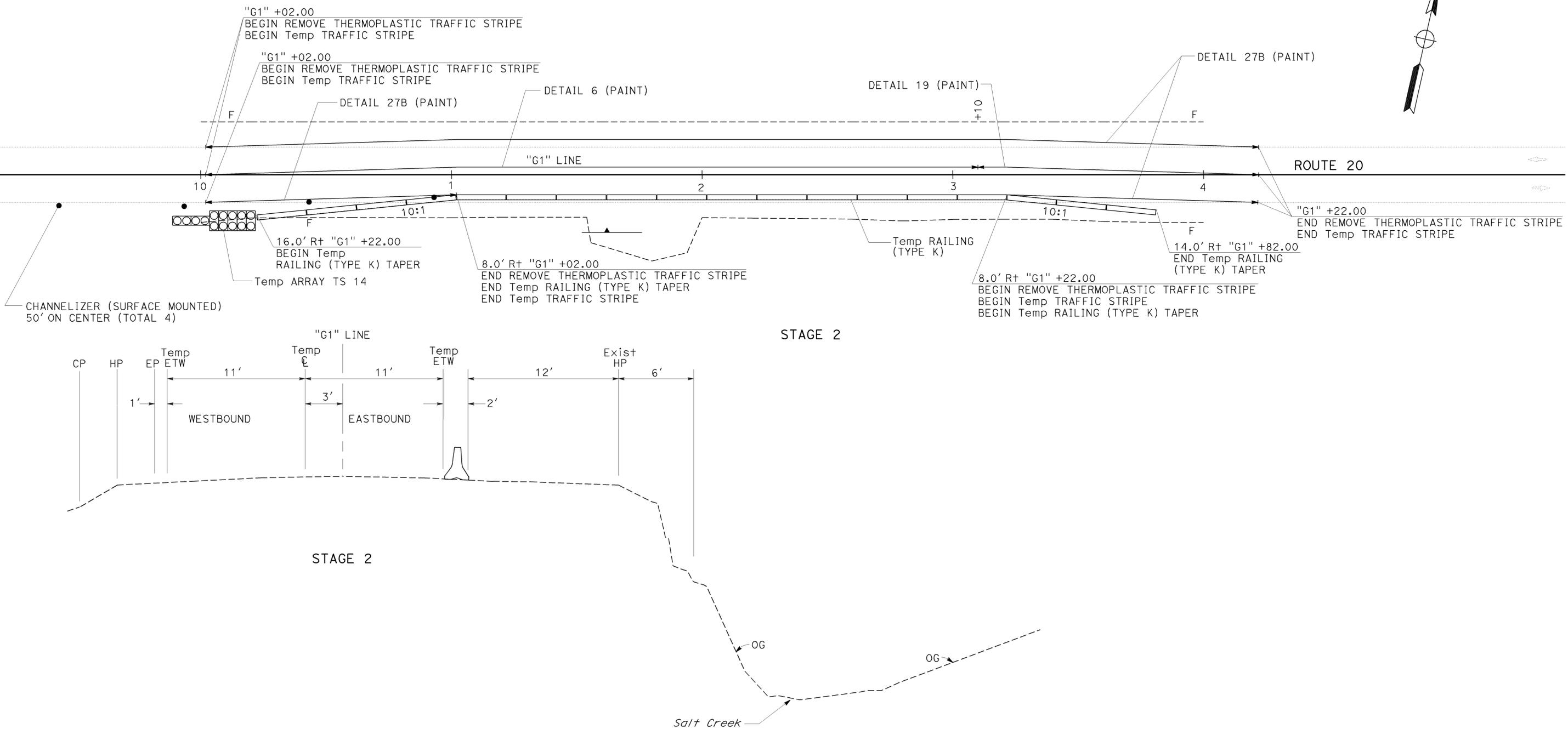
NOTES:

1. STAGE 1 WILL WIDEN THE WESTBOUND SHOULDER AND USE THE EXISTING STRIPING. TRAFFIC WILL TRAVEL IN THE EASTBOUND LANE UNDER ONE WAY TRAFFIC CONTROL (STANDARD PLAN T13).
2. STAGE 3 WILL WIDEN THE EASTBOUND SHOULDER AND USE THE STAGE 2 STRIPING. TRAFFIC WILL TRAVEL IN THE WESTBOUND LANE UNDER ONE WAY TRAFFIC CONTROL (STANDARD PLAN T13).

LEGEND

- LIMIT OF STRIPING PATTERN
- ↔ CHANGE IN STRIPING PATTERN

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 MOHAMMAD SADIQ
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



STAGE CONSTRUCTION

SCALE: 1" = 20'

SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	13	20

Scott W. Mann 3-24-11
 REGISTERED CIVIL ENGINEER DATE

3-21-11
 PLANS APPROVAL DATE

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 COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
SCOTT MANN
 No. 72005
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE

STAGE	STATION	DETAIL NUMBER	LF
2	"G1" 10+02 TO 13+10	6	84
2	"G1" 13+10 TO 14+22	19	148
TOTAL			232

REMOVE THERMOPLASTIC TRAFFIC STRIPE

STAGE	STATION	DETAIL NUMBER	LF
2	"G1" 10+02 TO 11+02	27B	100
2	"G1" 10+02 TO 14+22	27B	420
2	"G1" 13+22 TO 14+22	27B	100
TOTAL			620

TEMPORARY TRAFFIC STRIPE (PAINT)

STAGE	STATION	DETAIL NUMBER	LF
2	"G1" 10+02 TO 14+22	27B	420
2	"G1" 13+22 TO 14+22	27B	100
2	"G1" 10+02 TO 13+10	6	308
2	"G1" 13+10 TO 14+22	19	224
2	"G1" 10+02 TO 11+02	27B	100
TOTAL			1152

TEMPORARY PAVEMENT MARKER

STAGE	STATION	DETAIL NUMBER	MARKERS	
			TYPE D	TYPE H
2	"G1" 10+02 TO 13+10	6	7	
2	"G1" 13+10 TO 14+22	19	3	5
SUBTOTAL			10	5
TOTAL			15	

STAGE CONSTRUCTION QUANTITIES SCQ-1

CHANNELIZER (SURFACE MOUNTED)

STAGE	STATION	EA
2	"G1" 9+45 TO 10+95	4
TOTAL		4

TEMPORARY RAILING (TYPE K)

STAGE	STATION	LF
2	"G1" 10+22 TO 13+82	360
TOTAL		360

TEMPORARY CRASH CUSHION MODULE

STAGE	STATION	ARRAY "TS14"
		EA
2	"G1" 10+02	14
TOTAL		14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 NORTH REGION DIVISION OF ENGINEERING
 FUNCTIONAL SUPERVISOR: MOHAMMAD SADIQ
 CALCULATED/DESIGNED BY: GINA LOPEZ
 CHECKED BY: GINA LOPEZ
 REVISED BY: GINA LOPEZ
 DATE REVISED: GINA LOPEZ

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	14	20

Scott W. Mann 3-24-11
 REGISTERED CIVIL ENGINEER DATE

3-21-11
 PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 NORTH REGION
 DIVISION OF ENGINEERING

FUNCTIONAL SUPERVISOR
 MOHAMMAD SADIQ

CALCULATED/DESIGNED BY
 CHECKED BY

GINA LOPEZ

REVISED BY
 DATE REVISED

**PAVEMENT MARKER (RETROREFLECTIVE) AND
THERMOPLASTIC TRAFFIC STRIPE**

STATION	DETAIL NUMBER	PAVEMENT MARKER (RETROREFLECTIVE)		4" THERMOPLASTIC TRAFFIC STRIPE	
		TYPE D	TYPE H	YELLOW	WHITE
		EA	EA	LF	LF
"G1" 10+02 TO 13+10	6	7		308	
"G1" 13+10 TO 14+22	19	3	5	224	
"G1" 10+02 TO 11+02	27B				100
"G1" 10+02 TO 14+22	27B				420
"G1" 13+22 TO 14+22	27B				100
SUBTOTAL		10	5	532	620
TOTAL		15		1152	

**PAVEMENT DELINEATION QUANTITIES
PDQ-1**



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 NORTH REGION
 DIVISION OF ENGINEERING

FUNCTIONAL SUPERVISOR
 MOHAMMAD SADIQ

CALCULATED/DESIGNED BY
 CHECKED BY

GINA LOPEZ

REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col	20	10.8	15	20

Scott W. Mann 3-24-11
 REGISTERED CIVIL ENGINEER DATE

3-21-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT MANN
 No. 72005
 Exp. 6-30-12
 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.

ROADWAY QUANTITIES

LOCATION	ROADWAY EXCAVATION (NATURALLY OCCURRING ASBESTOS)	IMPORTED MATERIAL (SHOULDER BACKING)	HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGATE BASE	HOT MIX ASPHALT (OPEN GRADED)	COLD PLANE ASPHALT CONCRETE PAVEMENT	TACK COAT
	CY	TON	TON	CY	TON	SQYD	TON
"G1" 10+20 TO 14+11.81 DIKE	350	180	145	240	93	1,230	0.60
TOTAL	350	180	156	240	93	1,230	0.60

HMA DIKE (TYPE E)

STATION	SIDE L+/R+	PLACE HMA DIKE	HOT MIX ASPHALT (TYPE A) *
		TYPE E LF	TON
"G1" 10+00 TO 14+11.81	R+	411	11
TOTAL		411	11

* FOR TOTAL QUANTITY SEE ROADWAY QUANTITIES TABLE

**TEMPORARY FENCE
(TYPE ESA)**

STATION	SIDE	LF
	L+/R+	
"G1" 8+50 TO 9+50	R+	100
TOTAL		100

**ROLLED EROSION CONTROL
PRODUCT (BLANKET)**

STATION	SQFT
"G1" 10+00 TO 14+11.81	3,000
TOTAL	3,000

SUMMARY OF QUANTITIES

Q-1



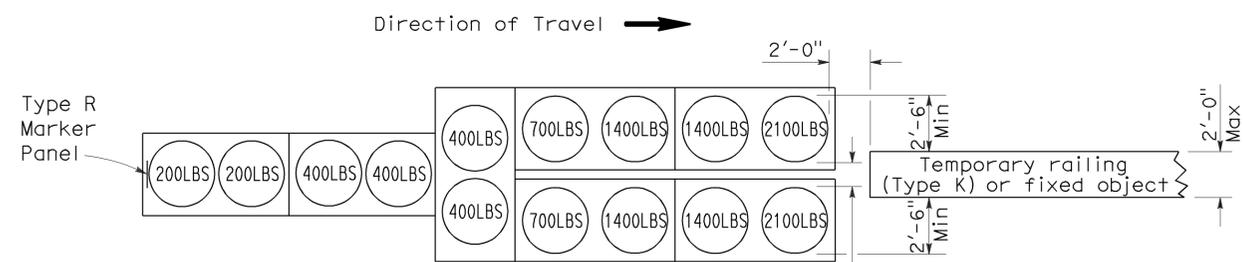
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col	20	10.8	16	20

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

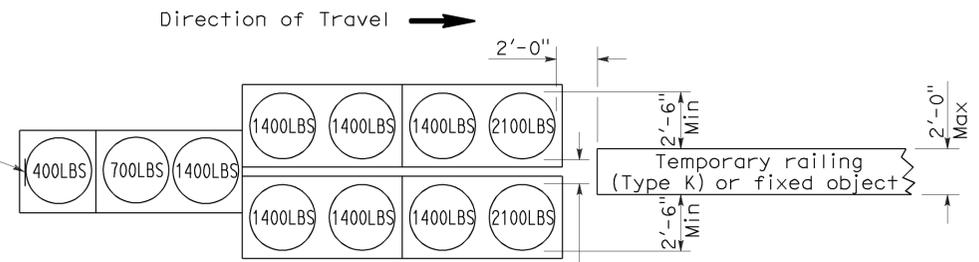
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To accompany plans dated 3-21-11



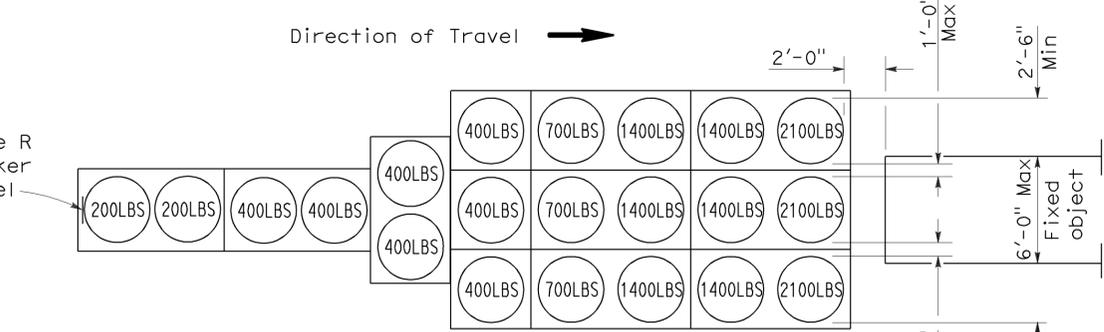
ARRAY 'TU14'

Approach speed 45 mph or more



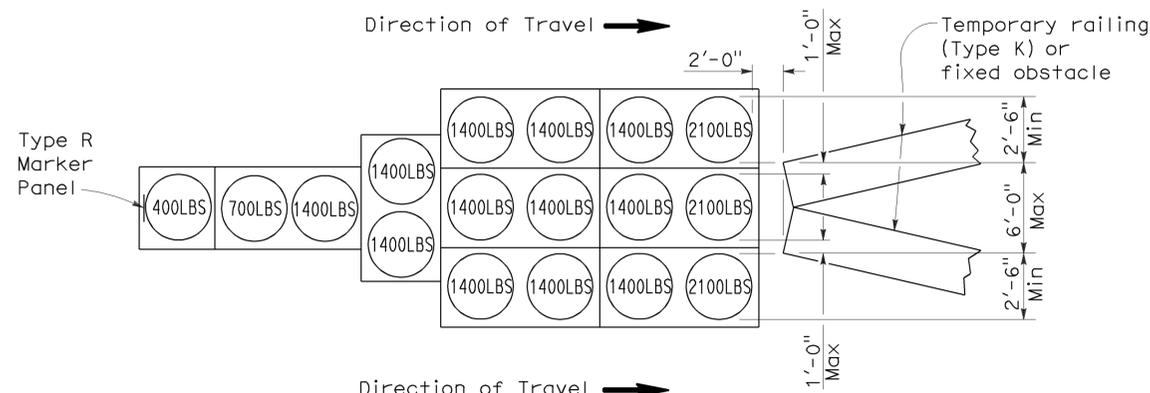
ARRAY 'TU11'

Approach speed less than 45 mph



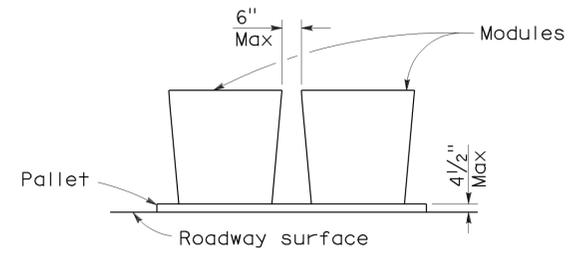
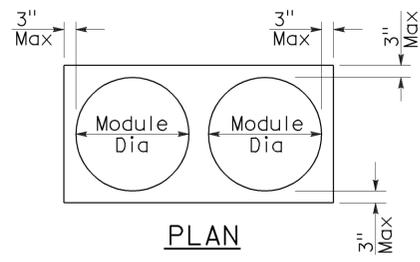
ARRAY 'TU21'

Approach speed 45 mph or more



ARRAY 'TU17'

Approach speed less than 45 mph



CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

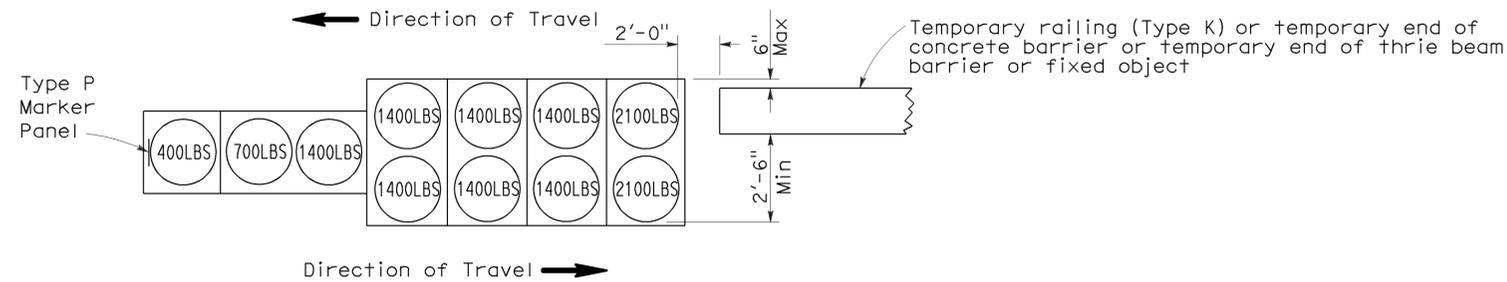
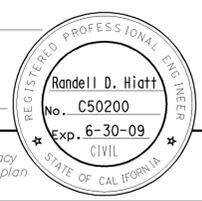
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col	20	10.8	17	20

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

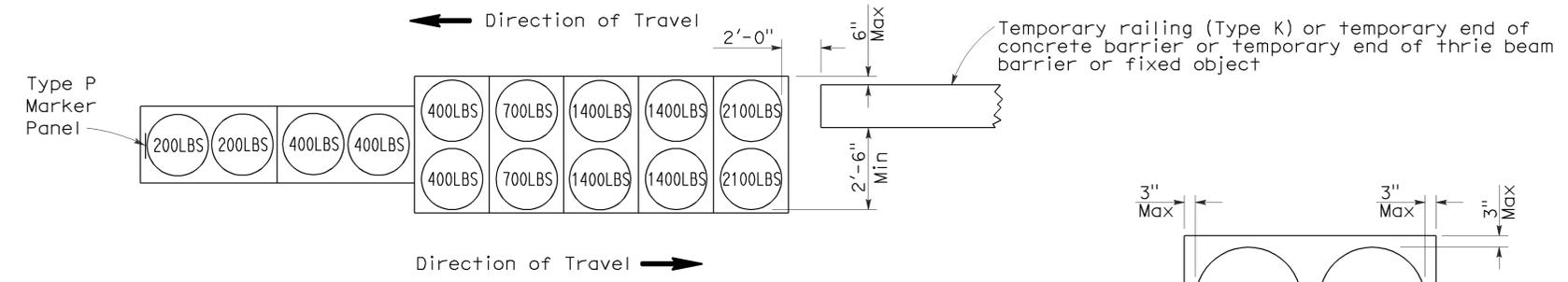
June 6, 2008
PLANS APPROVAL DATE

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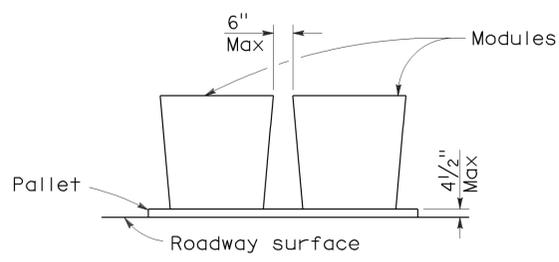
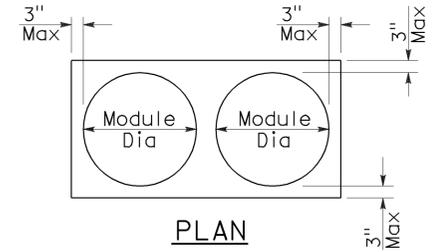
To accompany plans dated 3-21-11



ARRAY 'TB11'
Approach speed less than 45 mph



ARRAY 'TB14'
Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(BIDIRECTIONAL)**

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

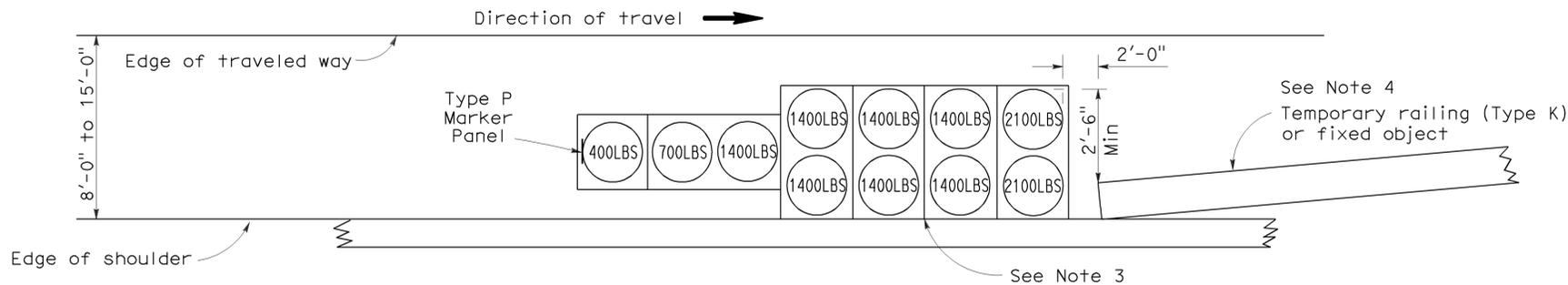
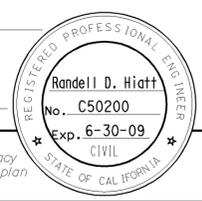
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col	20	10.8	18	20

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

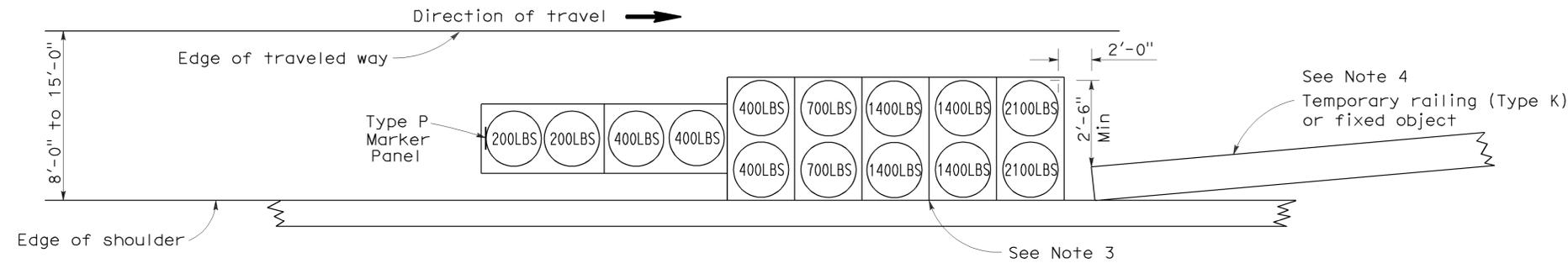
June 6, 2008
PLANS APPROVAL DATE

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To accompany plans dated 3-21-11



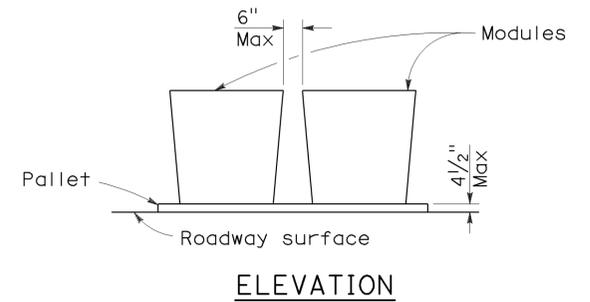
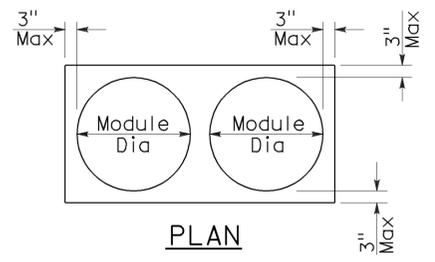
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9

NOTES:

- (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- All sand weights are nominal.
- The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
- If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.



CRASH CUSHION PALLET DETAIL
See Note 11

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**
NO SCALE

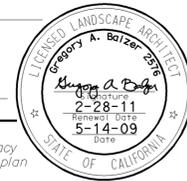
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

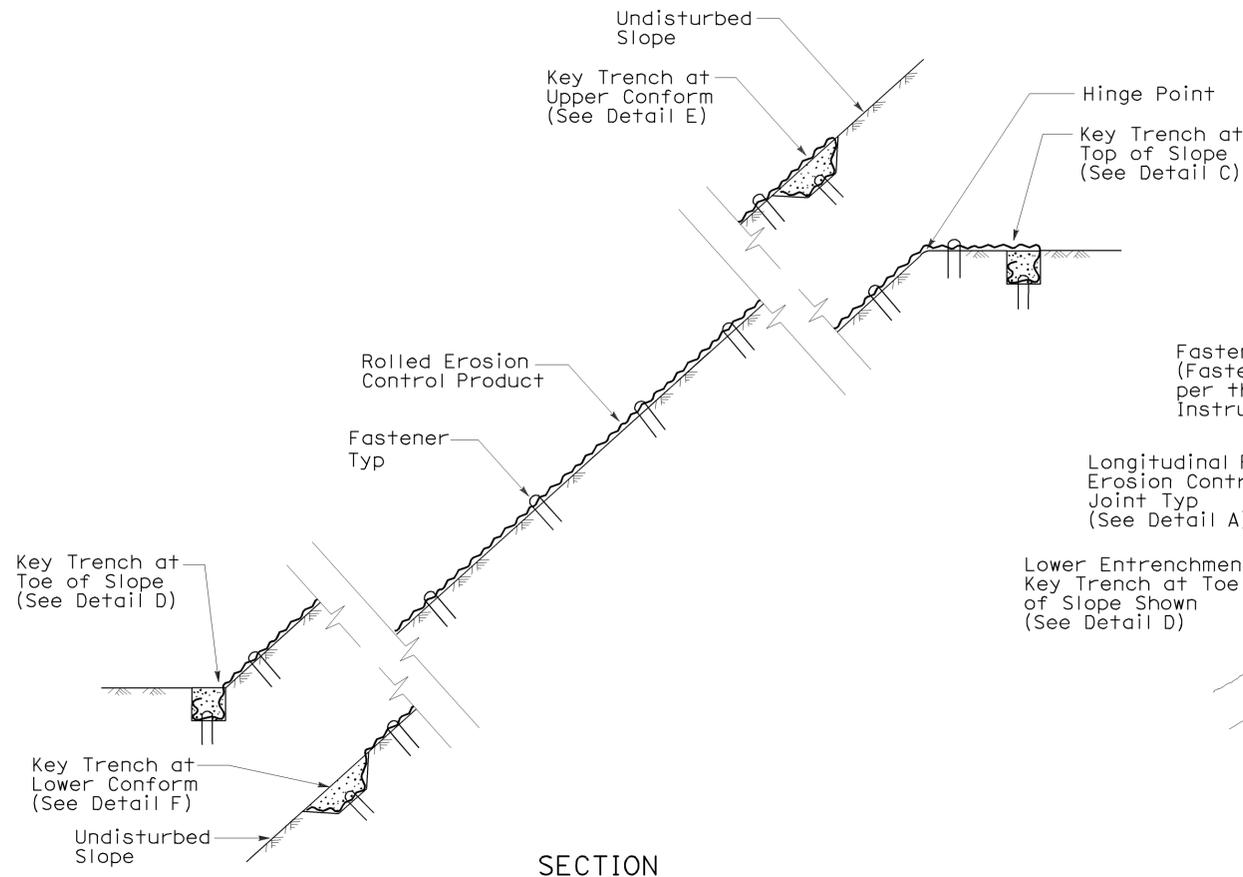
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col	20	10.8	19	20

Gregory A. Balzer
 LICENSED LANDSCAPE ARCHITECT
 June 5, 2009
 PLANS APPROVAL DATE
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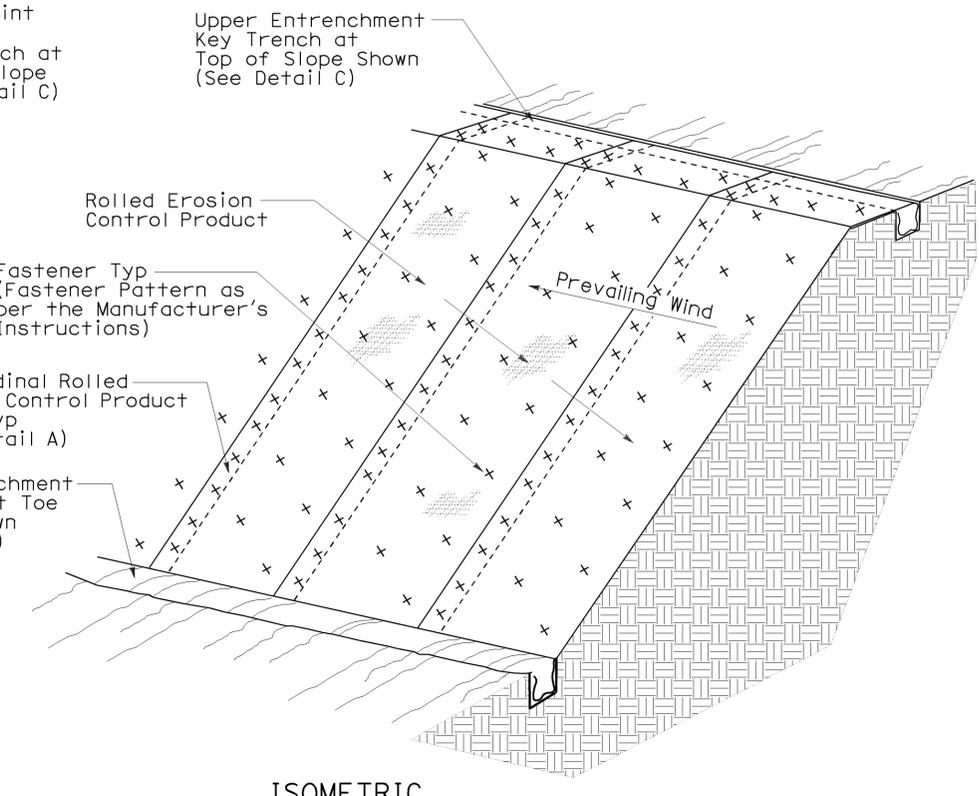


To accompany plans dated 3-21-11

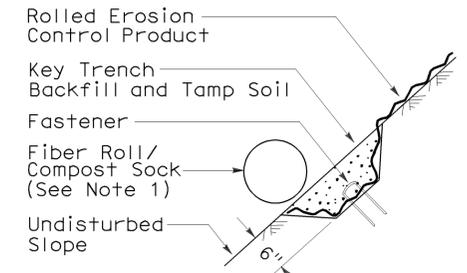
- NOTE:**
1. Fiber Roll/Compost Sock shown for reference purposes only.
 2. If transverse rolled erosion control product joints are required on slopes, see Detail B.



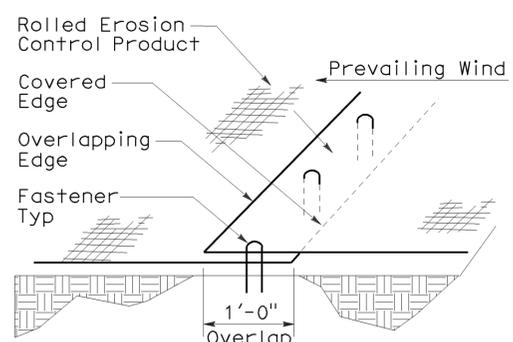
SECTION
ROLLED EROSION CONTROL PRODUCT
ON SLOPE WITH VARIOUS KEY ENTRENCHMENTS



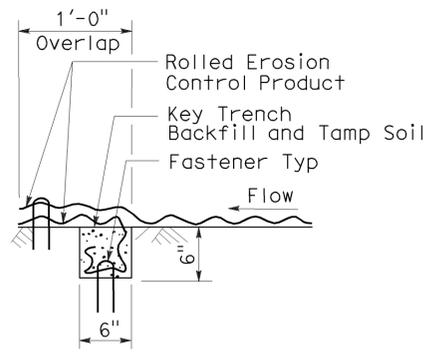
ISOMETRIC
ROLLED EROSION CONTROL PRODUCT
ON SLOPE



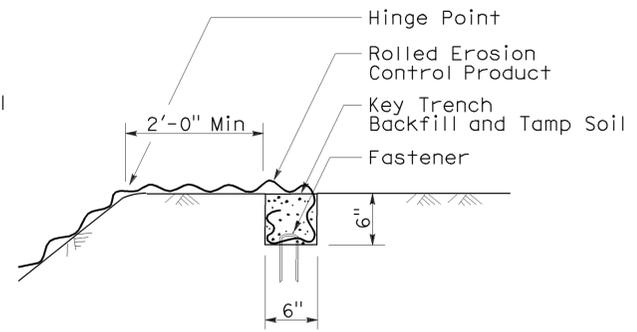
SECTION
DETAIL F
KEY TRENCH AT
LOWER CONFORM



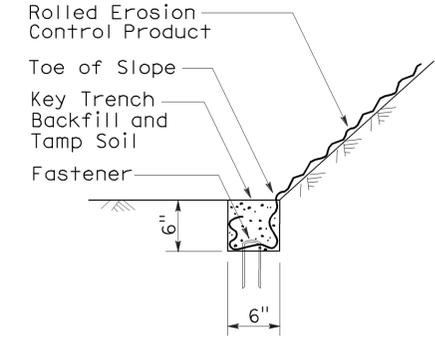
PERSPECTIVE
DETAIL A
LONGITUDINAL ROLLED EROSION
CONTROL PRODUCT JOINT



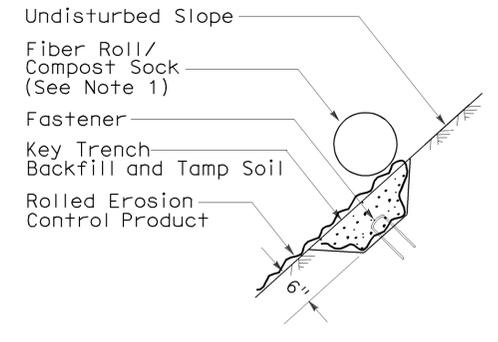
SECTION
DETAIL B
TRANSVERSE ROLLED EROSION
CONTROL PRODUCT JOINT



SECTION
DETAIL C
KEY TRENCH AT
TOP OF SLOPE



SECTION
DETAIL D
KEY TRENCH AT
TOE OF SLOPE



SECTION
DETAIL E
KEY TRENCH AT
UPPER CONFORM

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

ROLLED EROSION CONTROL PRODUCT

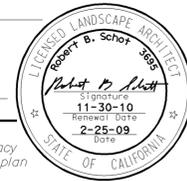
NO SCALE

NSP H53 DATED JUNE 5, 2009 SUPPLEMENTS
 THE STANDARD PLANS BOOK DATED MAY 2006.

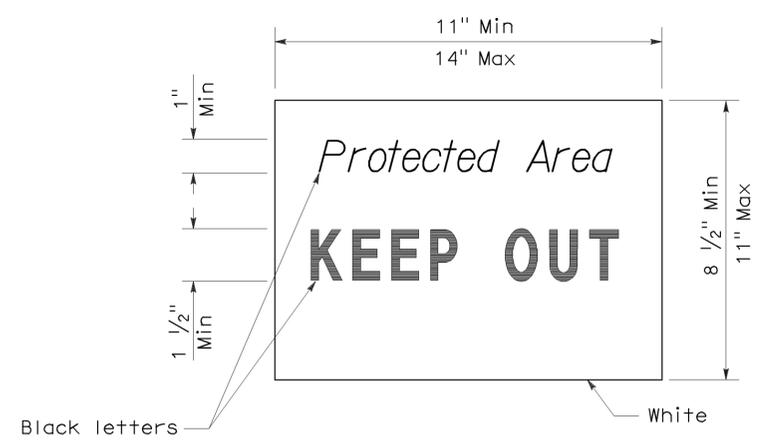
2006 NEW STANDARD PLAN NSP H53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col	20	10.8	20	20

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 April 3, 2009
 PLANS APPROVAL DATE
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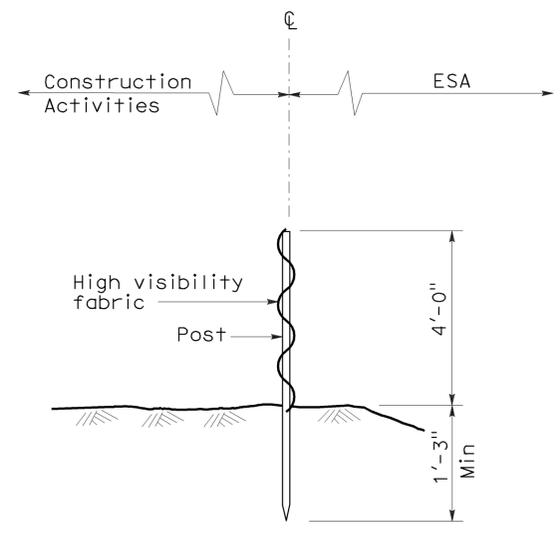
To accompany plans dated 3-21-11



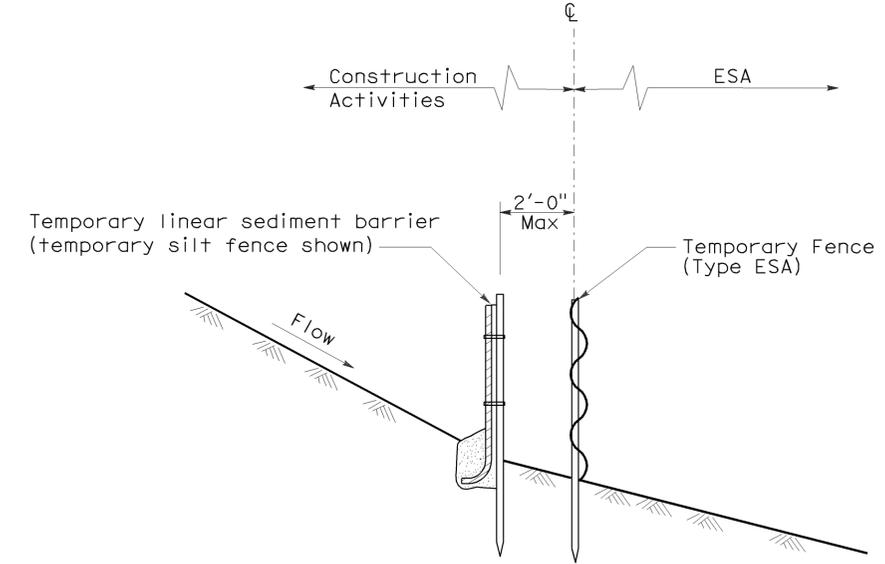
SIGN DETAIL

NOTE:

1. Temporary silt fence and temporary straw bale barrier shown for reference purposes only.

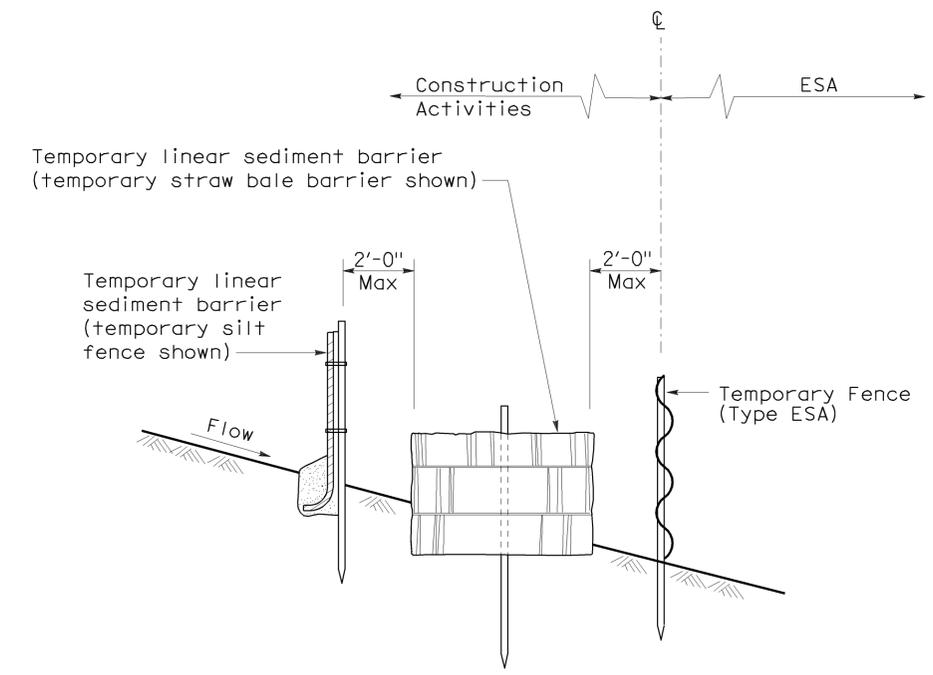


SECTION TEMPORARY FENCE (TYPE ESA)



SECTION PLACEMENT DETAIL FOR TEMPORARY LINEAR SEDIMENT BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)

(See Note 1)



SECTION PLACEMENT DETAIL FOR TEMPORARY SILT FENCE AND TEMPORARY STRAW BALE BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)

(See Note 1)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS
[TEMPORARY FENCE (TYPE ESA)]

NO SCALE

NSP T65 DATED APRIL 3, 2009 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.