Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	2	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 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.

Caltrans Metric

1

NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS SHOWN ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. SEE DRAINAGE PLANS FOR CONCRETE (DITCH LINING) LOCATION AND CROSS SECTION DETAIL.
4. SEE DRAINAGE PLANS FOR DITCH LOCATIONS.

TYPICAL STRUCTURAL SECTIONS

1 — 150 mm HOT MIX ASPHALT (TYPE B); 275 mm CLASS 2 AB

2 — Var 25 TO 125 mm HOT MIX ASPHALT (TYPE B)

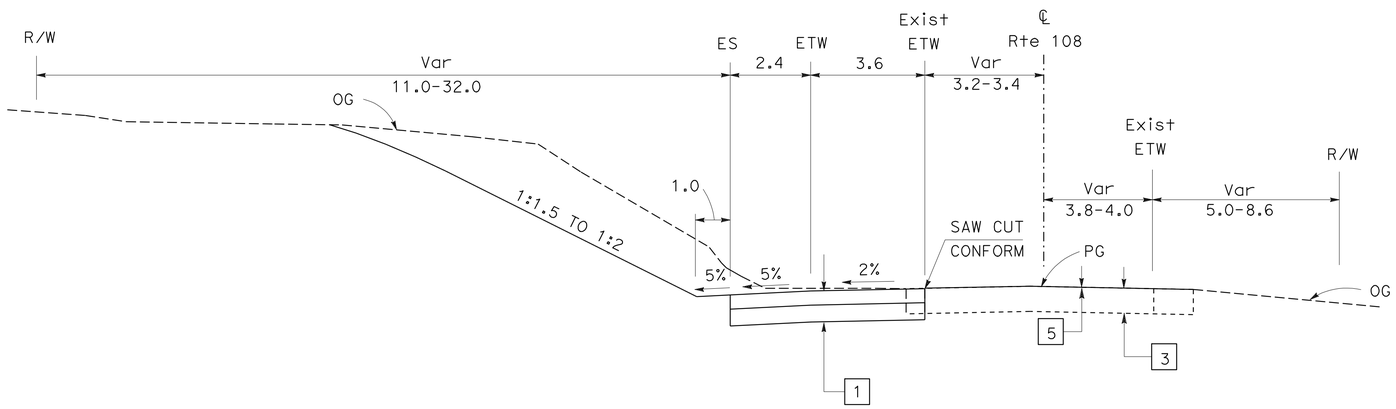
3 — Exist; 90 mm AC; 275 mm AB

4 — 25 mm COLD PLANE AC Pvmt

5 — ASPHALTIC EMULSION (FOG SEAL COAT)

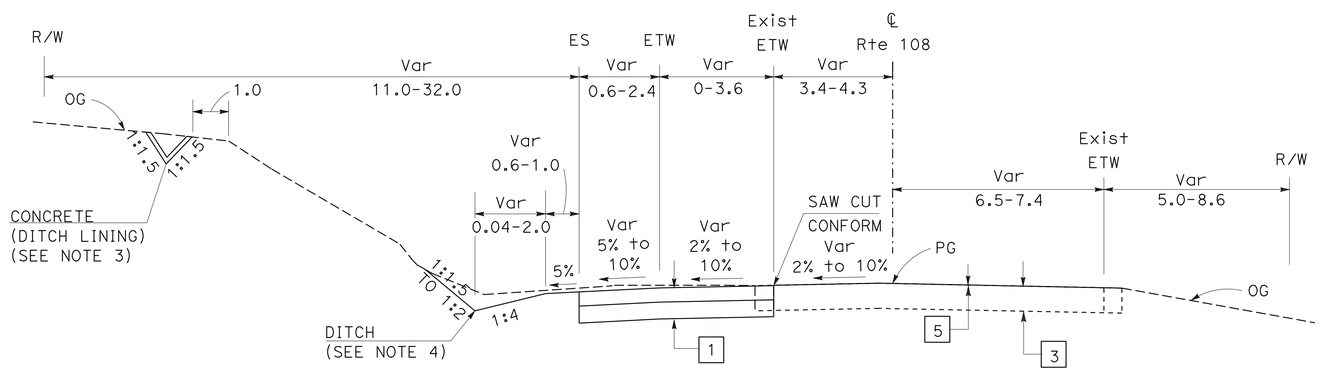
DESIGN DESIGNATION (ROUTE 108)

2008	ADT = 22,300	D = 60%
2018	ADT = 28,600	T = 3%
	DHV = 2,500	V = 80 km/h



ROUTE 108

STA 95+00 TO STA 95+20



ROUTE 108

STA 92+38 TO STA 95+00

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TYPICAL CROSS SECTION X-1

NO SCALE

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

REVISED BY	DATE REVISED
CB	07/2009

CALCULATED-DESIGNED BY: CARMELITA BELLE
CHECKED BY: ERNESTO GARCIA

FUNCTIONAL SUPERVISOR: DAVID SANGHA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

LAST REVISION 07-21-09 DATE PLOTTED => 27-OCT-2009 TIME PLOTTED => 12:11

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	3	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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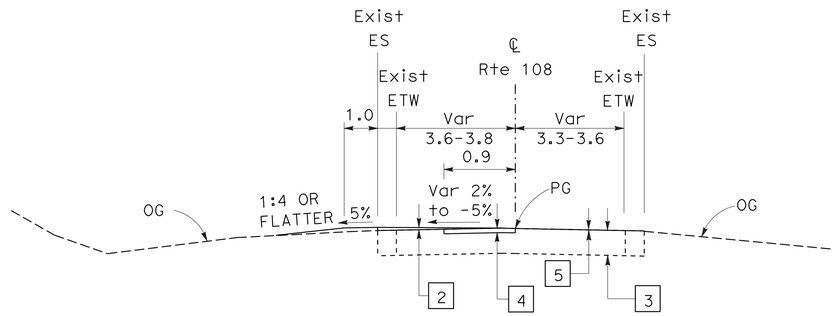
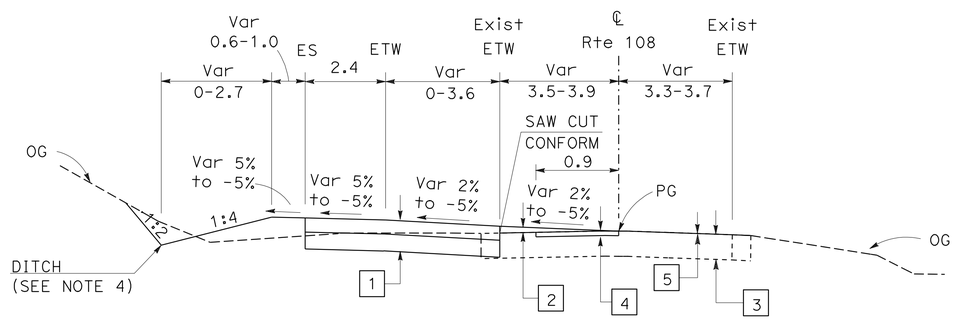
Caltrans Metric

1



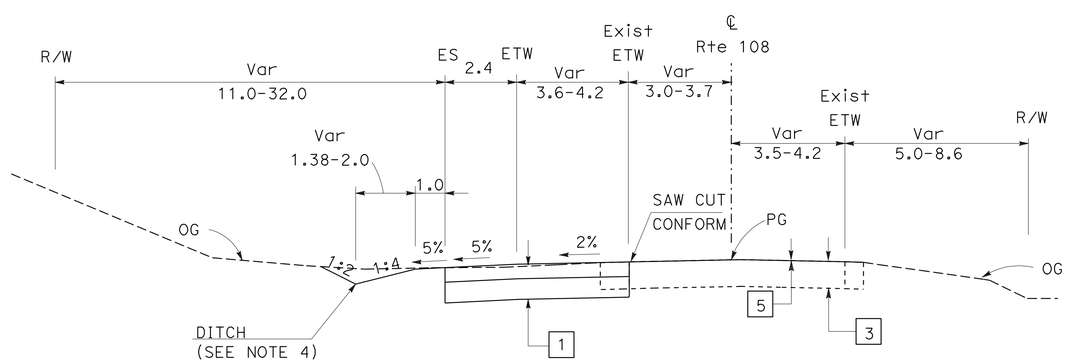
ROUTE 108

STA 98+72.2 TO STA 99+05.32



ROUTE 108

STA 96+72.04 TO STA 98+72.2



ROUTE 108

STA 95+20 To STA 96+72.04

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TYPICAL CROSS SECTION

X-2

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR DAVID SANGHA

CALCULATED-DESIGNED BY CARMELITA BELLE
CHECKED BY ERNESTO GARCIA

REVISED BY CB
DATE REVISED 07/2009

LAST REVISION 07-21-09 DATE PLOTTED => 27-OCT-2009 TIME PLOTTED => 12:11

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	4	50

11-25-08
REGISTERED CIVIL ENGINEER DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
D S SANGHA
No. 59652
Exp. 12/31/09
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.

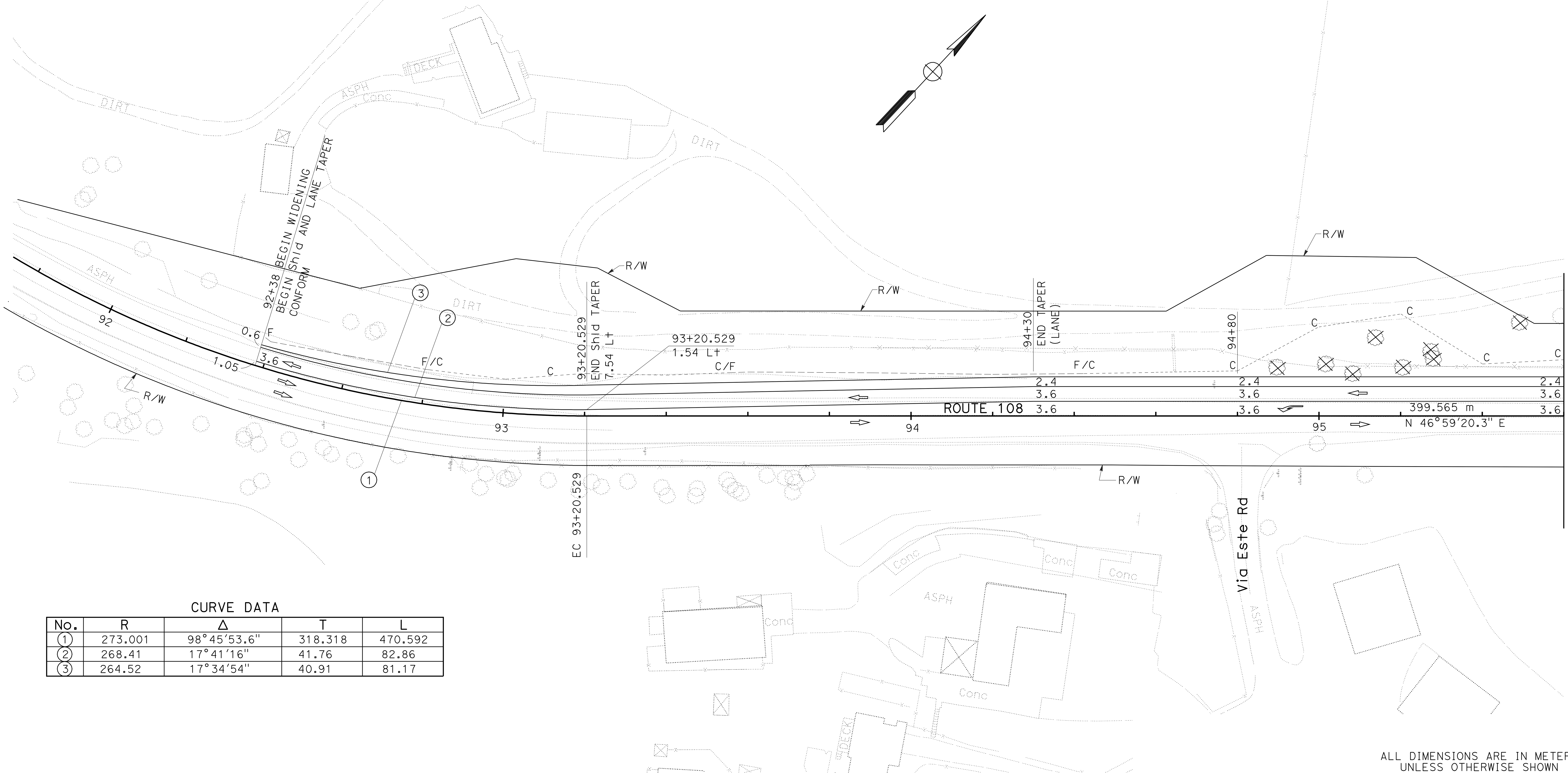
Caltrans Metric

NOTES:

1. FOR COMPLETE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. REFER TO CONSTRUCTION DETAIL SHEET FOR DRIVEWAY DETAILS.
3. REFER TO CONSTRUCTION DETAIL SHEET FOR MINOR CONCRETE (GUTTER DEPRESION) DETAIL.

LEGEND:

- DIRECTION OF TRAVEL
- DIRECTION OF TRAVEL
- Exist TREE TO BE REMOVED
- FROM / TO — RELOCATE
- 25 TO 45 mm COLD PLANE AC Pmvt HOT MIX ASPHALT (TYPE B) Var (25 TO 125 mm)



CURVE DATA

No.	R	Δ	T	L
1	273.001	98°45'53.6"	318.318	470.592
2	268.41	17°41'16"	41.76	82.86
3	264.52	17°34'54"	40.91	81.17

REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

LAYOUT L-1

SCALE 1:500

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN
FUNCTIONAL SUPERVISOR: DAVID SANGHA
CALCULATED-DESIGNED BY: CARMELITA BELLE
CHECKED BY: ERNESTO GARCIA
REVISED BY: CB
DATE REVISED: 05/2009

LAST REVISION 05-18-09
DATE PLOTTED => 27-OCT-2009
TIME PLOTTED => 12:11

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	5	50

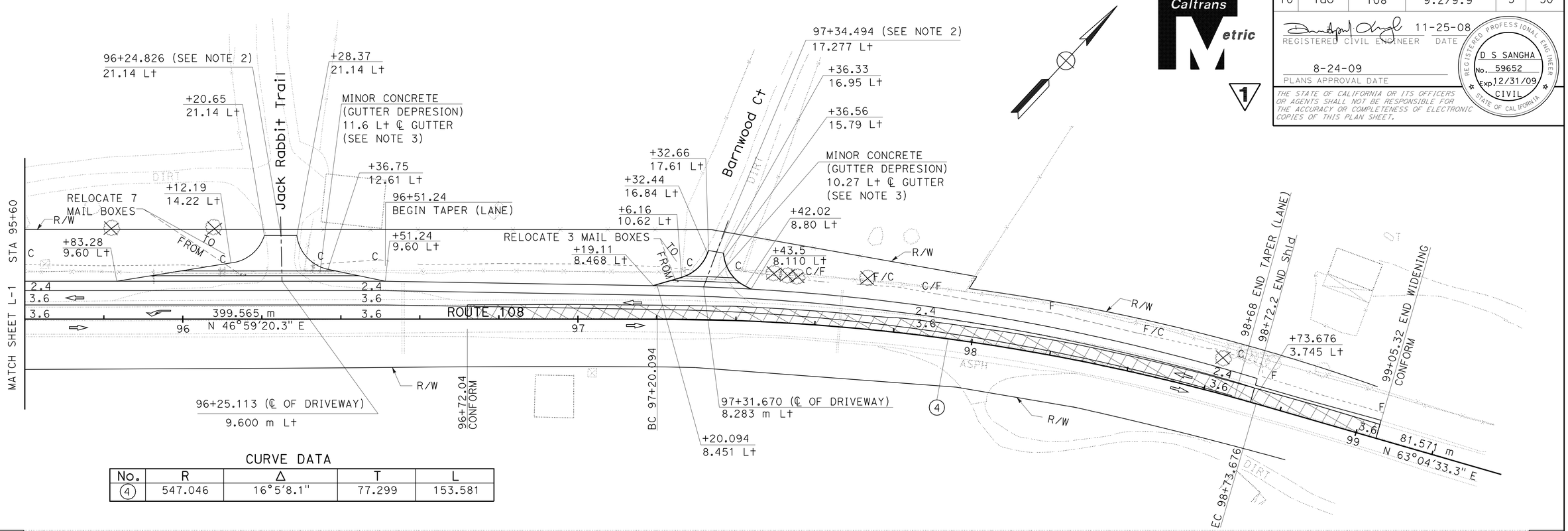
REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

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.

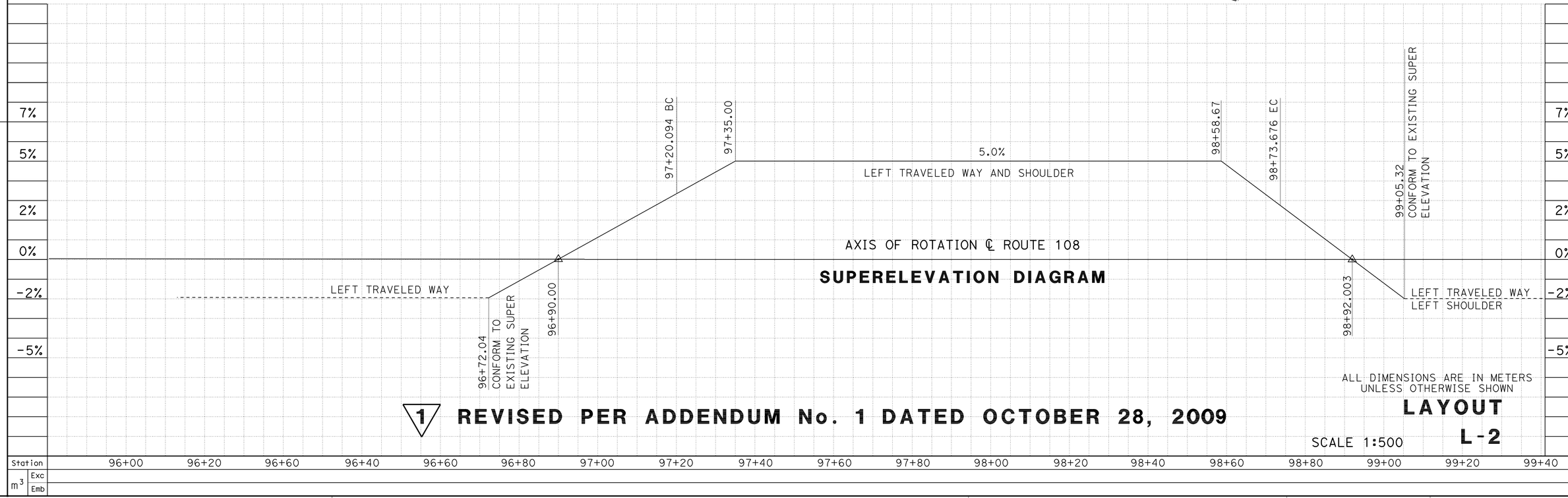
REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

Caltrans Metric



CURVE DATA

No.	R	Δ	T	L
4	547.046	16°5'8.1"	77.299	153.581



SUPERELEVATION DIAGRAM

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009

LAYOUT L-2

SCALE 1:500

Station	96+00	96+20	96+60	96+40	96+60	96+80	97+00	97+20	97+40	97+60	97+80	98+00	98+20	98+40	98+60	98+80	99+00	99+20	99+40
m³ Exc																			
m³ Emb																			

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN
FUNCTIONAL SUPERVISOR DAVID SANGHA
CALCULATED-DESIGNED BY CARMELITA BELLE
CHECKED BY ERNESTO GARCIA
REVISED BY CB
DATE REVISED 06/2009

LAST REVISION 06-17-09
DATE PLOTTED => 27-OCT-2009
TIME PLOTTED => 12:12

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	7	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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Caltrans Metric

1

NOTES:

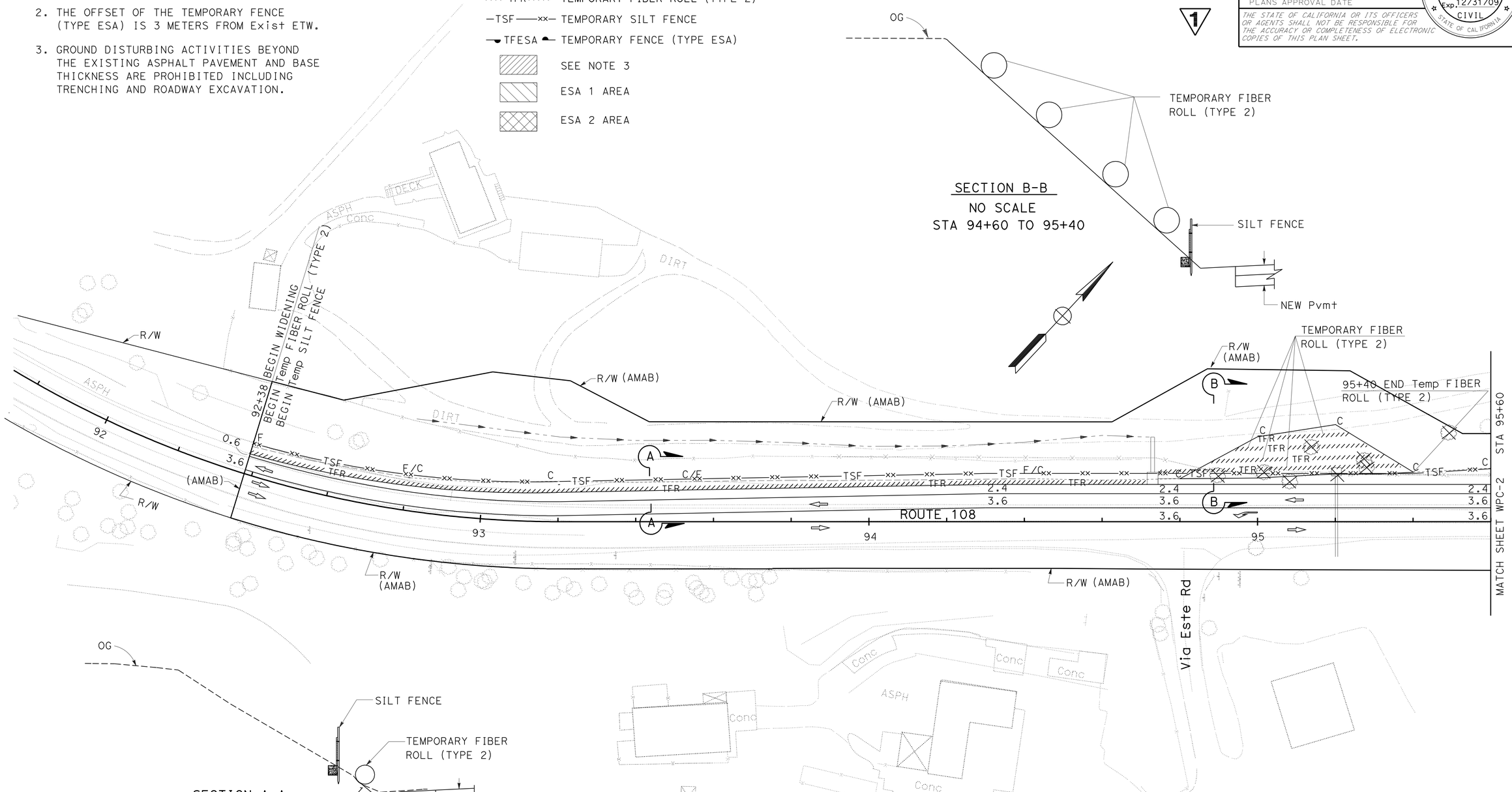
1. AREA BETWEEN RIGHT OF WAY FROM STATIONS 92+38 TO 100+12 IS IDENTIFIED AS AMAB.
2. THE OFFSET OF THE TEMPORARY FENCE (TYPE ESA) IS 3 METERS FROM Exist ETW.
3. GROUND DISTURBING ACTIVITIES BEYOND THE EXISTING ASPHALT PAVEMENT AND BASE THICKNESS ARE PROHIBITED INCLUDING TRENCHING AND ROADWAY EXCAVATION.

LEGEND:

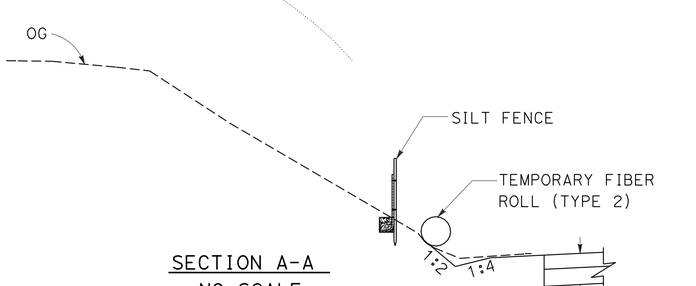
- DIRECTION OF TRAVEL
- DIRECTION OF TRAVEL
- Exist TREE TO BE REMOVED
- TFR — TEMPORARY FIBER ROLL (TYPE 2)
- TSF — TEMPORARY SILT FENCE
- TFESA — TEMPORARY FENCE (TYPE ESA)
- SEE NOTE 3
- ESA 1 AREA
- ESA 2 AREA

ABBREVIATIONS:

AMAB ARCHEOLOGICAL MONITORING AREA BOUNDARY
ESA ENVIRONMENTALLY SENSITIVE AREA



SECTION B-B
NO SCALE
STA 94+60 TO 95+40



SECTION A-A
NO SCALE
STA 92+38 TO 94+60

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TEMPORARY WATER POLLUTION CONTROL PLAN

WPC-1

SCALE 1:500

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR DAVID SANGHA
CALCULATED-DESIGNED BY CARMELITA BELLE
CHECKED BY ERNESTO GARCIA
REVISED BY CB
DATE REVISED 05/2009

LAST REVISION DATE PLOTTED => 27-OCT-2009
05-18-09 TIME PLOTTED => 12:12

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	8	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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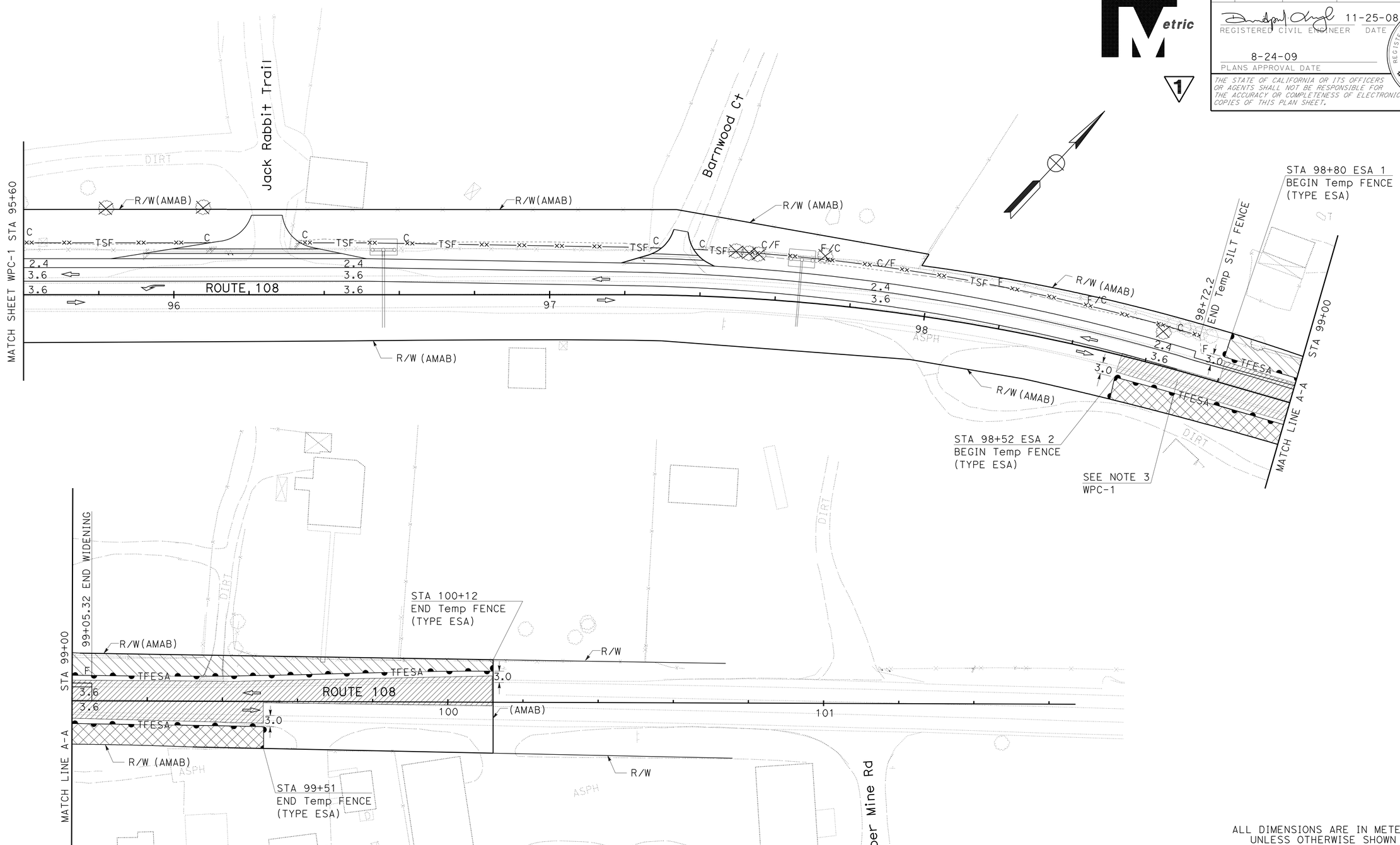
Caltrans Metric

1



ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

TEMPORARY WATER POLLUTION CONTROL PLAN

WPC-2

SCALE 1:500

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

THIS PLAN ACCURATE FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY.

REVISED BY	CB
DATE REVISED	05/2009
CALCULATED-DESIGNED BY	CARMELITA BELLE
CHECKED BY	ERNESTO GARCIA
FUNCTIONAL SUPERVISOR	DAVID SANGHA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 05-18-09
DATE PLOTTED => 27-OCT-2009
TIME PLOTTED => 12:12

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	9	50

11-25-08
LICENSED LANDSCAPE ARCHITECT

8-24-09
PLANS APPROVAL DATE

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.

LICENSED LANDSCAPE ARCHITECT
William Duttera No. 4242
Signature
9/30/10
Renewal Date
10/27/08
Date
STATE OF CALIFORNIA

Caltrans Metric

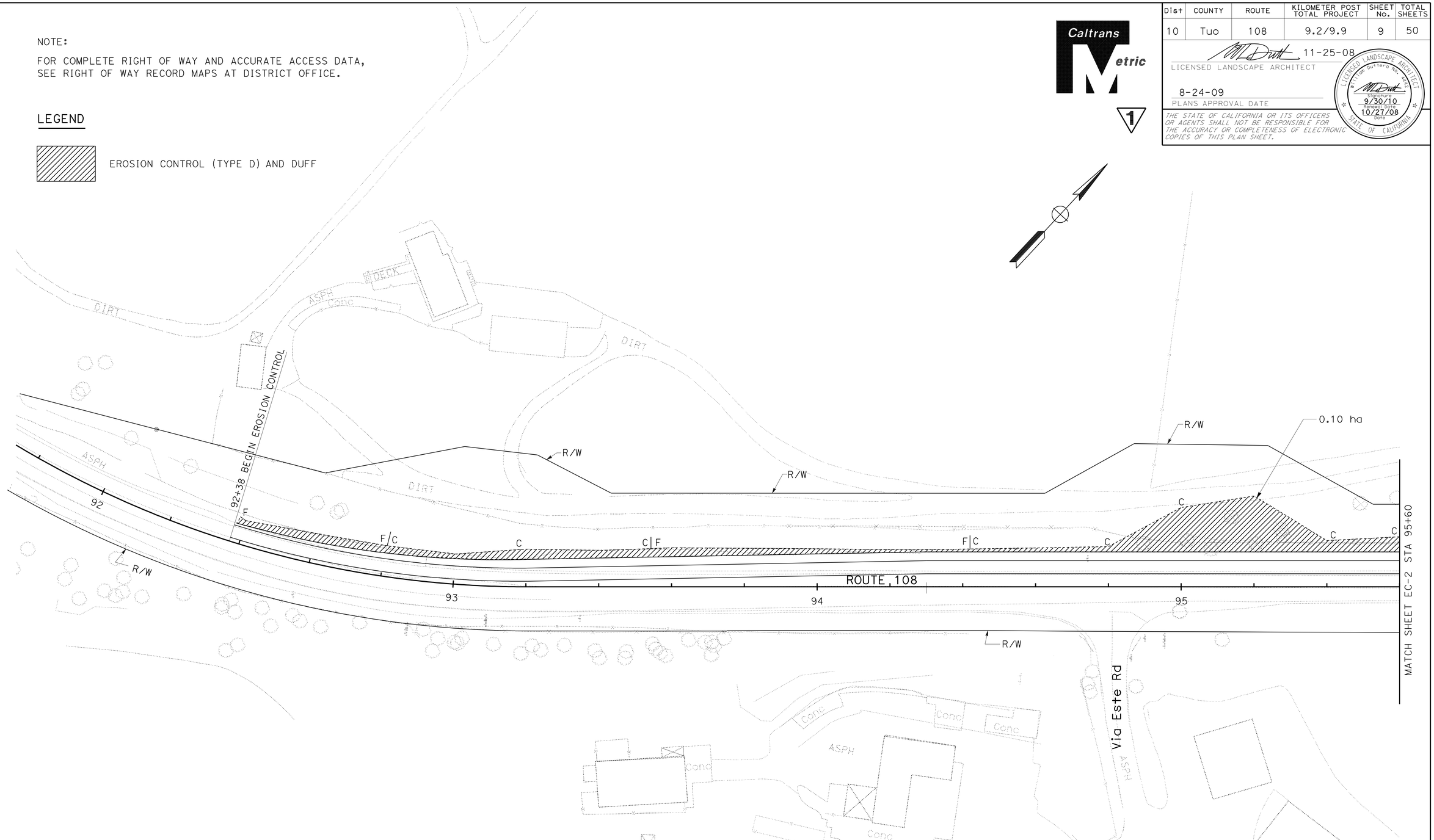
1

NOTE:

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

LEGEND

EROSION CONTROL (TYPE D) AND DUFF



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

EROSION CONTROL

SCALE: 1:500

EC-1

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: BRAD COLE
CALCULATED-DESIGNED BY: GUS ESCUTIA
CHECKED BY: WILLIAM DUTTERA
REVISED BY
DATE REVISED

LAST REVISION 05-18-09
DATE PLOTTED => 27-OCT-2009
TIME PLOTTED => 12:12

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	10	50

11-25-08
LICENSED LANDSCAPE ARCHITECT

8-24-09
PLANS APPROVAL DATE

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.

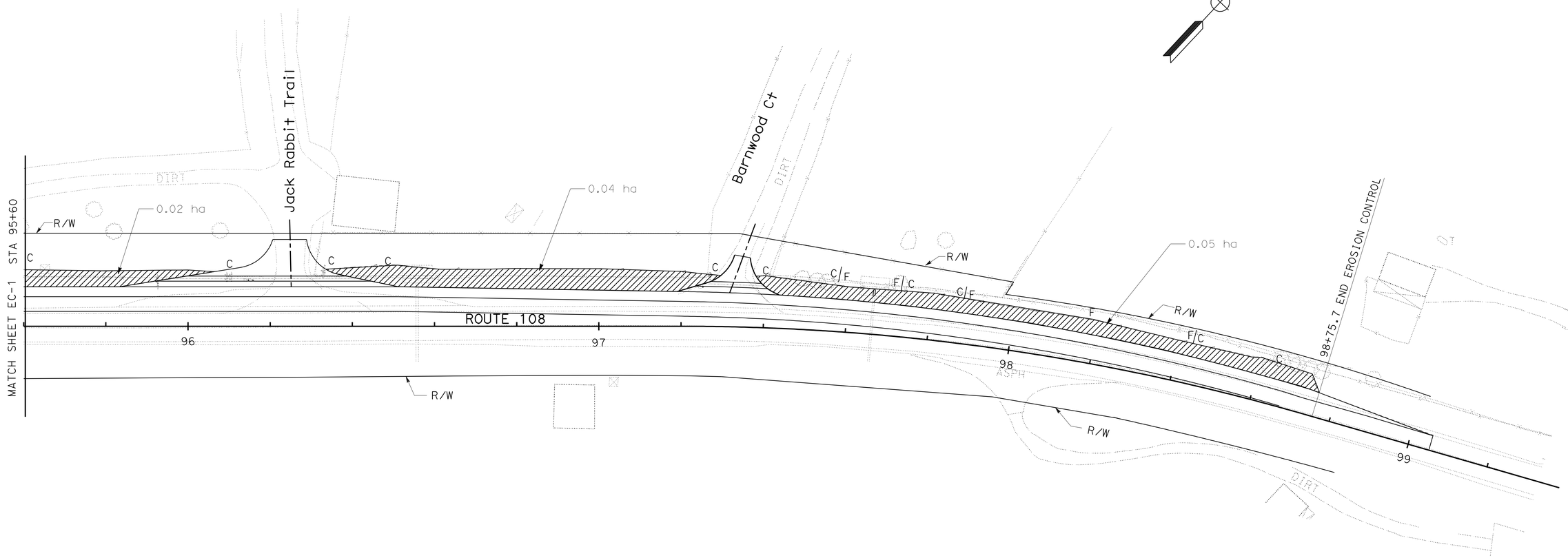
LICENSED LANDSCAPE ARCHITECT
William Duttera No. 4242
Signature
9/30/10
Renewal Date
10/27/08
Date
STATE OF CALIFORNIA

Caltrans Metric

1

NOTE:

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

EROSION CONTROL

SCALE 1:500

EC-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: BRAD COLE

CALCULATED-DESIGNED BY: GUS ESCUTIA
CHECKED BY: WILLIAM DUTTERA

REVISED BY
DATE REVISED

LAST REVISION 05-18-09
DATE PLOTTED => 27-OCT-2009
TIME PLOTTED => 12:12

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	11	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 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.

Caltrans Metric

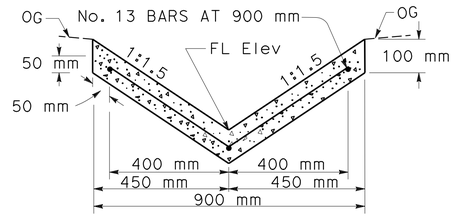
NOTE:

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

* 900 mm CORRUGATED STEEL PIPE INLET (TYPE OMP)
** 900 mm CONCRETE PIPE INLET (TYPE GCP)

LEGEND

- DIRECTION OF TRAVEL
- DIRECTION OF TRAVEL
- DIRECTION OF FLOW
- (X) DRAINAGE SYSTEM No.
- (X) DRAINAGE UNIT
- ROCK SLOPE PROTECTION (FACING, METHOD B)
- PCC APRON
- MARKER (CULVERT)



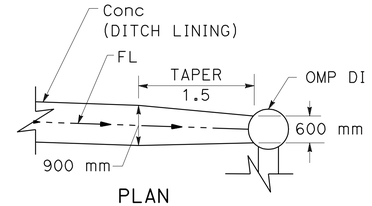
SECTION A-A

CONCRETE (DITCH LINING)

NO SCALE

ABBREVIATION

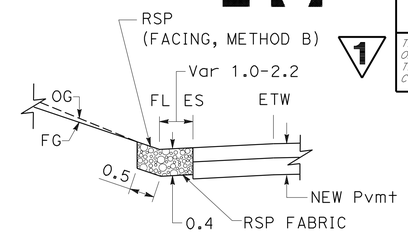
TED TEE ENERGY DISSIPATOR



PLAN

TYPICAL CONCRETE (DITCH LINING) TAPER

NO SCALE

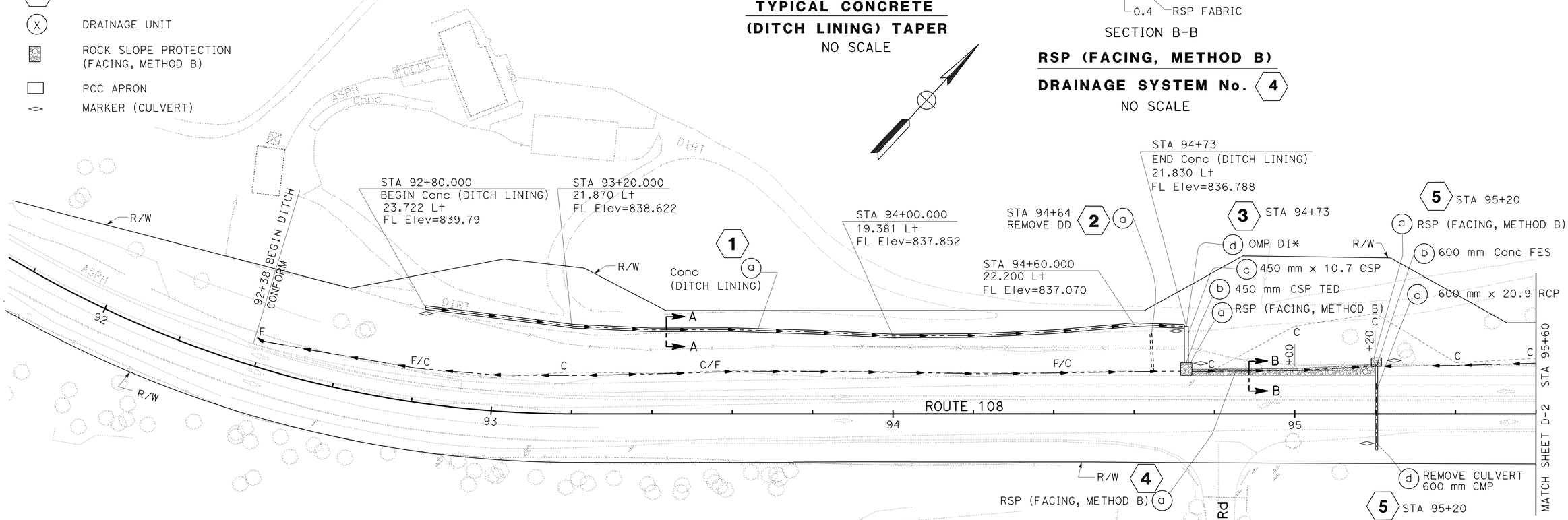


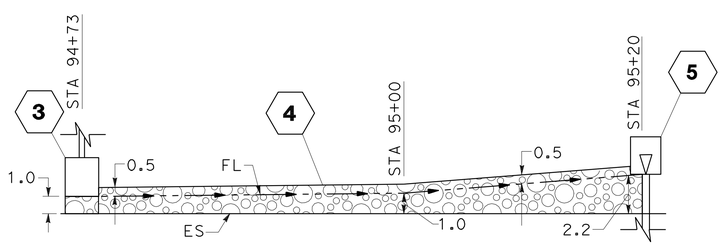
SECTION B-B

RSP (FACING, METHOD B)

DRAINAGE SYSTEM No. 4

NO SCALE





PLAN

RSP (FACING, METHOD B)

DRAINAGE SYSTEM No. 4

NO SCALE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DRAINAGE PLAN D-1

SCALE 1:500

REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR DAVID SANGHA
CALCULATED-DESIGNED BY CARMELITA BELLE
CHECKED BY ERNESTO GARCIA
REVISED BY CB
DATE REVISED 07/2009

LAST REVISION 07-31-09
DATE PLOTTED => 27-OCT-2009
TIME PLOTTED => 12:12

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	12	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

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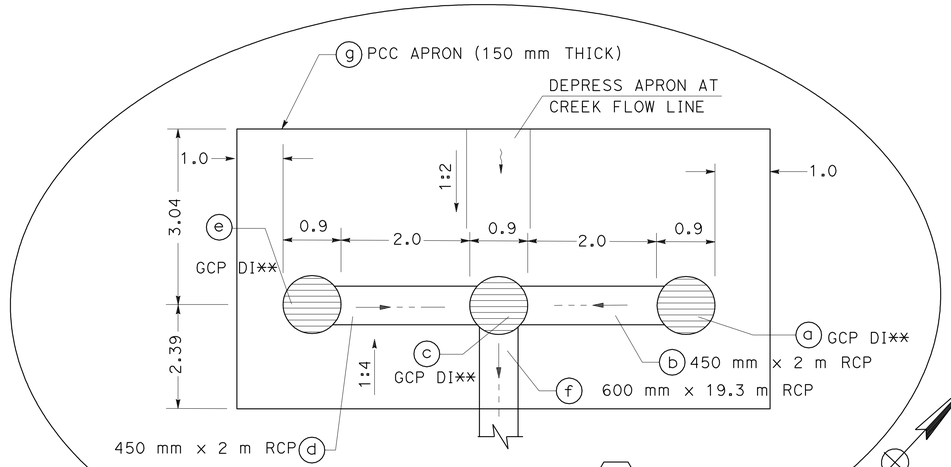
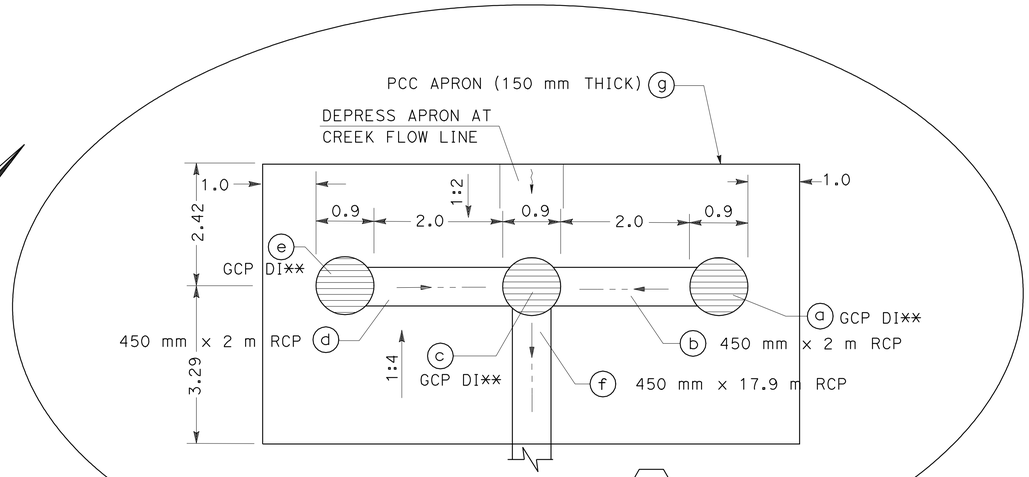
REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

Caltrans Metric

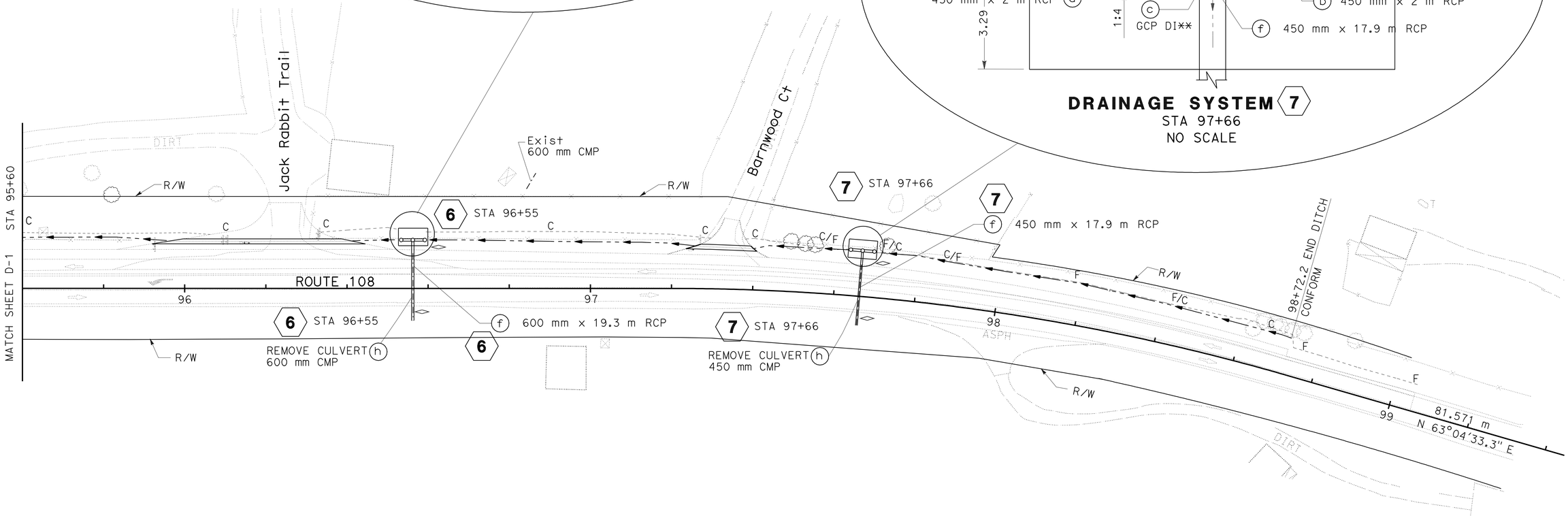
1



DRAINAGE SYSTEM 6
STA 96+55
NO SCALE
** 900 mm CONCRETE PIPE INLET (TYPE GCP)



DRAINAGE SYSTEM 7
STA 97+66
NO SCALE



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DRAINAGE PLAN

SCALE: 1:500

D-2

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: DAVID SANGHA
CALCULATED-DESIGNED BY: LARRY CAO
CHECKED BY: ERNESTO GARCIA
REVISED BY: CB
DATE REVISED: 06/2009

LAST REVISION 07-31-09
DATE PLOTTED => 27-OCT-2009
TIME PLOTTED => 12:12

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	13	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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Caltrans Metric 1

NOTES:

1. FIELD ADJUST OPENING TO V-DITCH.

* 900 mm CORRUGATED STEEL PIPE INLET (TYPE OMP)

LEGEND

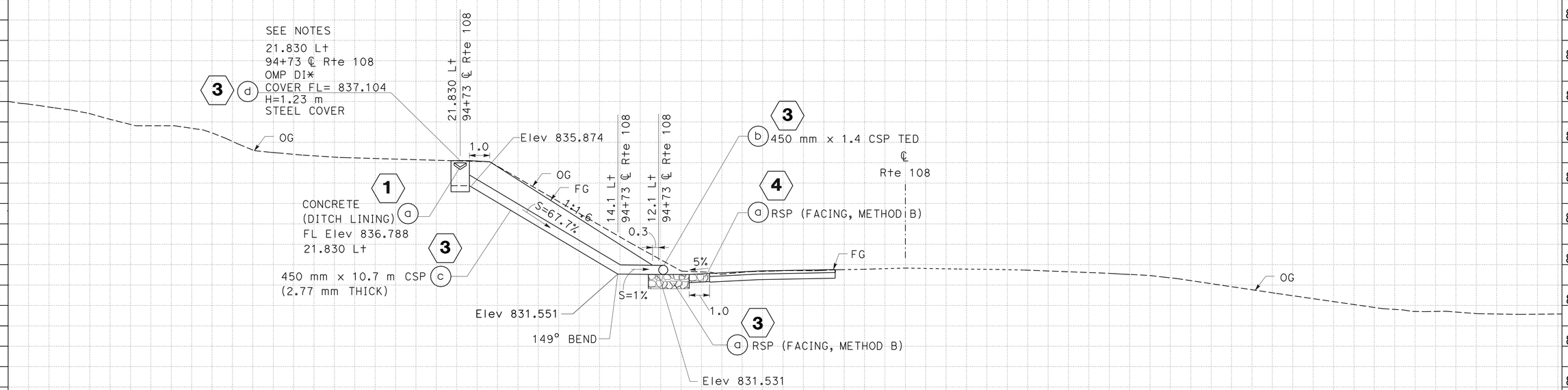
ROCK SLOPE PROTECTION

(X) DRAINAGE SYSTEM No.

(X) DRAINAGE UNIT

ABBREVIATIONS:

S SLOPE
TED TEE ENERGY DISSIPATOR



DRAINAGE SYSTEM No. 1 3 4

STA 94+73

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

DRAINAGE PROFILE

SCALE: Horiz 1:100
Vert 1:100

DP-1

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

Station -40 -30 -20 -10 0 10 20 30

m^3 Exc / Emb

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR DAVID SANGHA

CALCULATED-DESIGNED BY CARMELITA BELLE
CHECKED BY ERNESTO GARCIA

REVISED BY CB
DATE REVISED 07/2009

LAST REVISION 07-31-09
DATE PLOTTED => 27-OCT-2009
TIME PLOTTED => 12:13

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	14	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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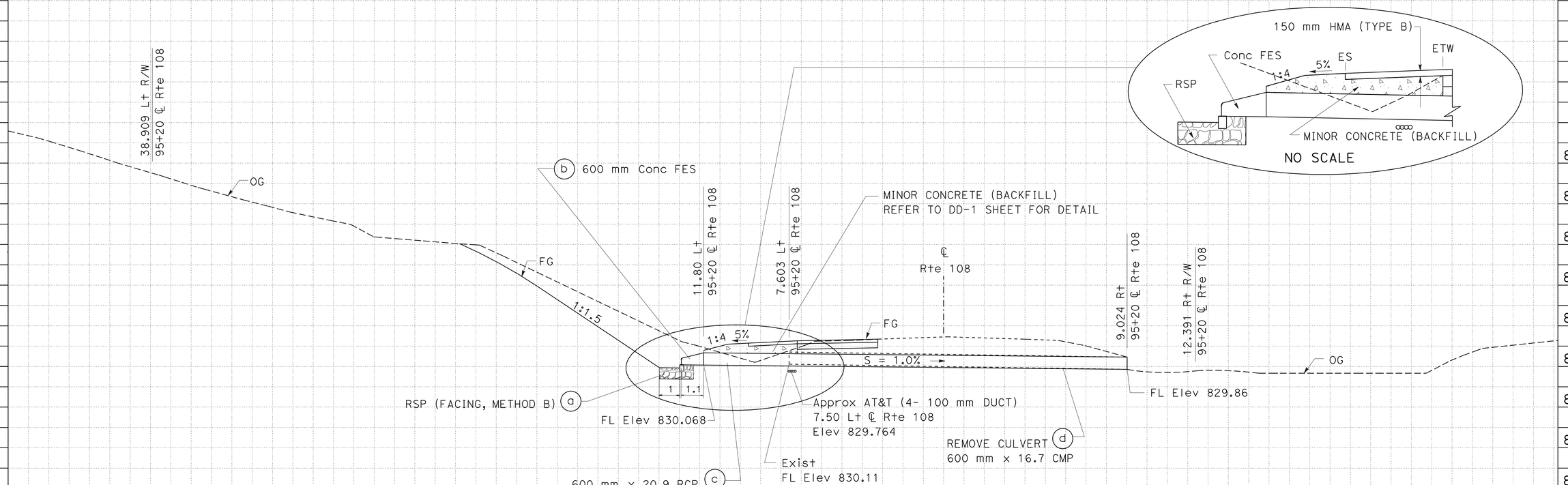
Caltrans Metric 1



DRAINAGE SYSTEM No. 5

STA 95+20

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

DRAINAGE PROFILE

SCALE: Horiz 1:100
Vert 1:100

DP-2

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

Station	-40	-30	-20	-10	0	10	20	30
m^3 Exc								
m^3 Emb								

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN
FUNCTIONAL SUPERVISOR DAVID SANGHA
CALCULATED-DESIGNED BY LARRY CAO
CHECKED BY ERNESTO GARCIA
REVISED BY CB
DATE REVISED 06/2009

LAST REVISION DATE PLOTTED => 27-OCT-2009
07-20-09 TIME PLOTTED => 12:13

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	15	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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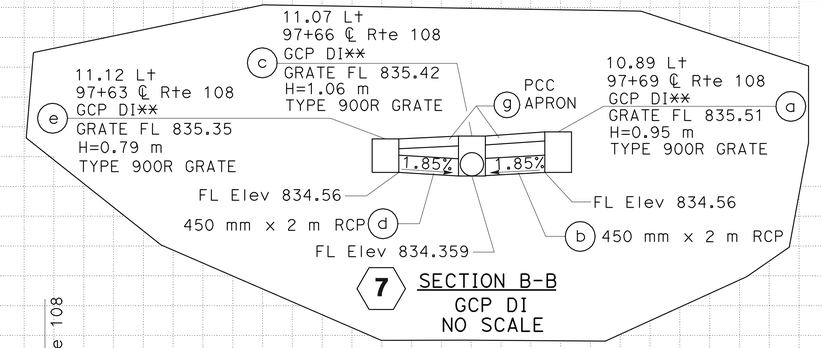
Caltrans Metric

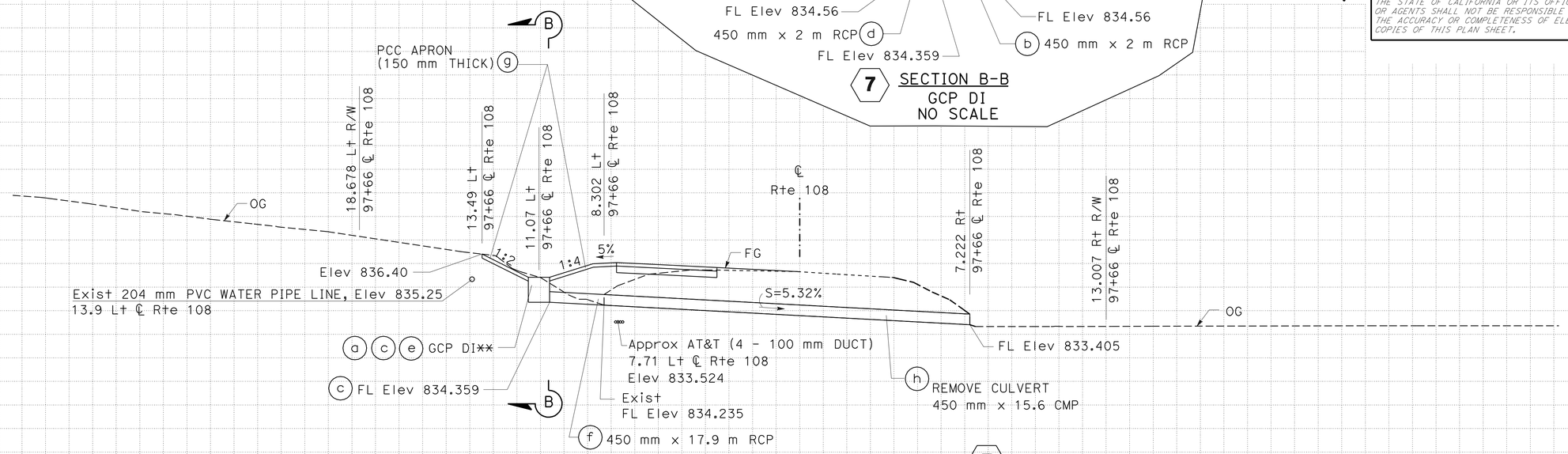
1

NOTE:

** 900 mm CONCRETE PIPE INLET (TYPE GCP)

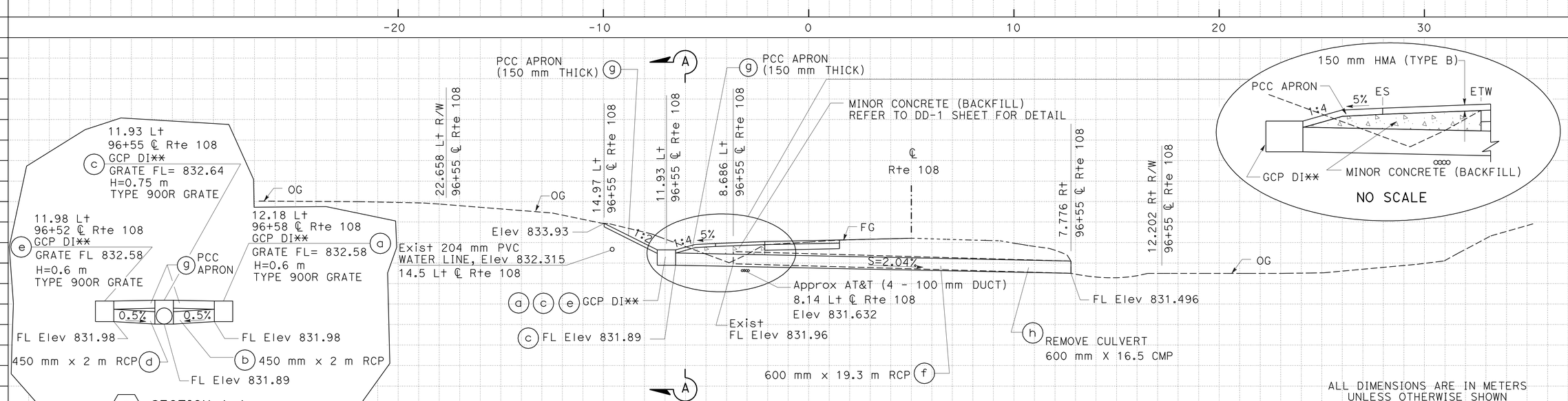


7 SECTION B-B
GCP DI
NO SCALE



DRAINAGE SYSTEM No. 7

STA 97+66



6 SECTION A-A
GCP DI
NO SCALE

DRAINAGE SYSTEM No. 6

STA 96+55

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

DRAINAGE PROFILE

SCALE: Horiz 1:100
Vert 1:100

DP-3

Station	-20	-10	0	10	20	30
m^3 Exc						
m^3 Emb						

REVISED BY	DATE REVISED	CB	06/2009
LARRY CAO	ERNESTO GARCIA	CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	DAVID SANGHA		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

LAST REVISION 07-31-09 DATE PLOTTED => 27-OCT-2009 TIME PLOTTED => 12:13

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	16	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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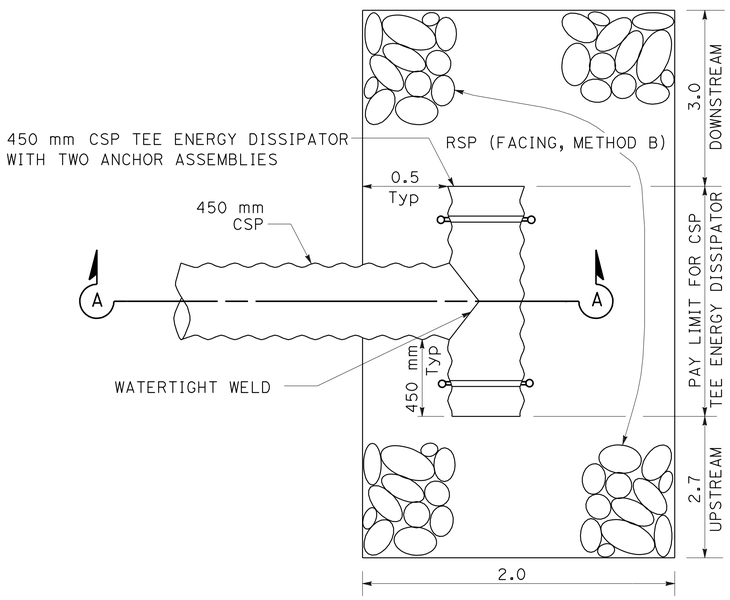
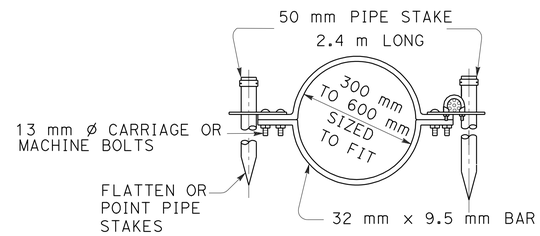
Caltrans Metric

NOTES:

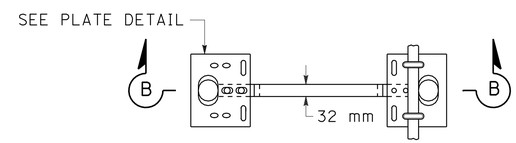
1. SEE DRAINAGE PROFILE SHEET FOR SLOPE.
2. PIPE STAKES TO BE INSTALLED AFTER PLACEMENT OF RSP FABRIC AND PRIOR TO PLACEMENT OF RSP.
3. "d" REPRESENTS THE OUTSIDE DIAMETER OF THE PIPE CONNECTED TO THE FLARED-END SECTION. "w" REPRESENTS THE WIDTH OF THE FLARED-END SECTION.



PLAN VIEW



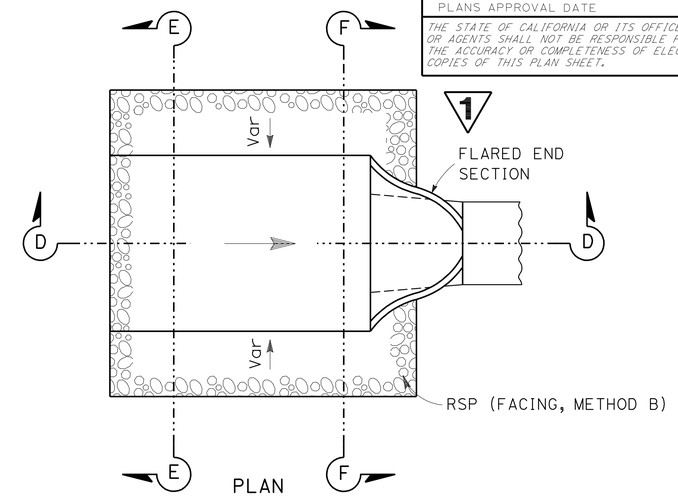
SECTION B-B



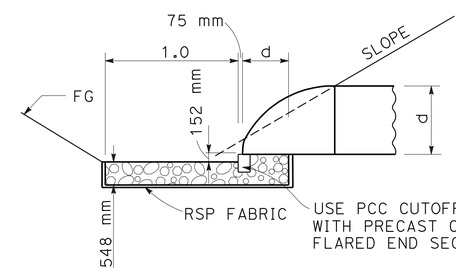
PLAN VIEW

ANCHOR ASSEMBLY

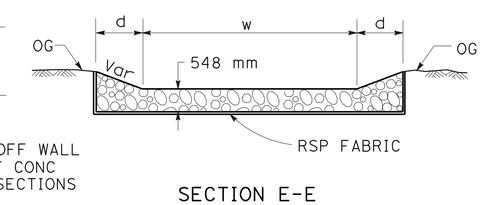
DRAINAGE SYSTEM No. 3



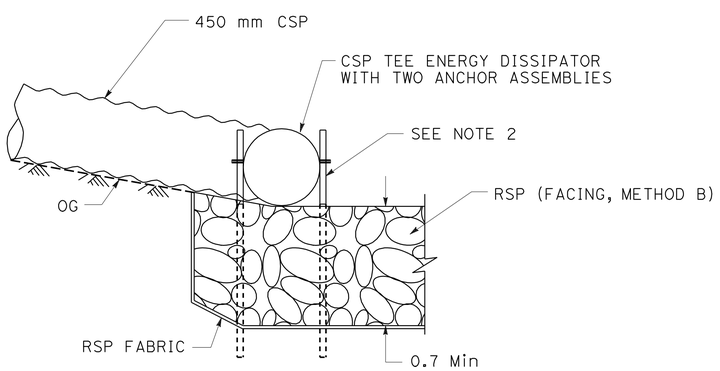
PLAN



SECTION D-D



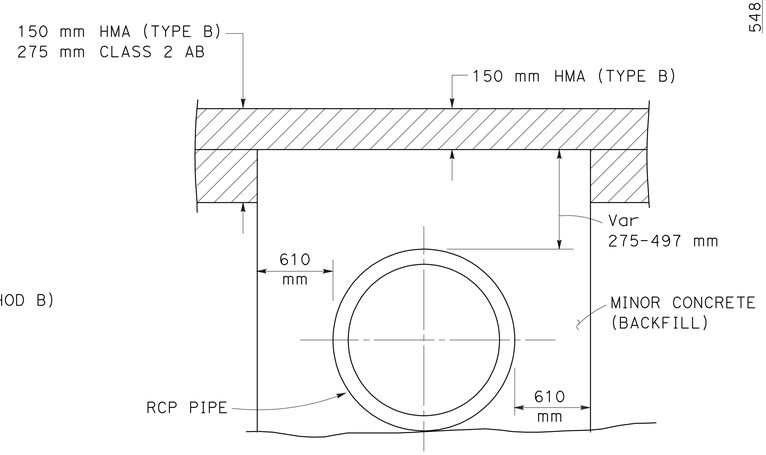
SECTION E-E



SECTION A-A

CSP TEE ENERGY DISSIPATOR AND RSP DETAIL

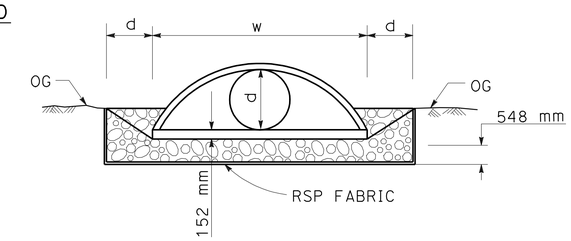
DRAINAGE SYSTEM No. 3



SECTION C-C

MINOR CONCRETE (BACKFILL)

DRAINAGE SYSTEM No. 5 6



SECTION F-F

ROCK ENERGY DISSIPATOR

DRAINAGE SYSTEM No. 5

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

NO SCALE

DRAINAGE DETAILS DD-1

CALCULATED-DESIGNED BY	CARMELITA BELLE	REVISED BY	CB
CHECKED BY	ERNESTO GARCIA	DATE REVISED	06/2009
FUNCTIONAL SUPERVISOR	DAVID SANGHA		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

LAST REVISION 07-16-09 DATE PLOTTED => 27-OCT-2009 TIME PLOTTED => 12:13

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

ABBREVIATION:

TED TEE ENERGY DISSIPATER

Caltrans Metric

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	17	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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DRAINAGE QUANTITIES

DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT	DRAINAGE INLET: INLET GRATE (EA)	DRAINAGE INLET: STEEL COVER (EA)	DRAINAGE INLET: 900 mm PRECAST CONCRETE PIPE INLET (m)	DRAINAGE INLET: TYPE GCP DI (EA)	DRAINAGE INLET: 900 mm CSP INLET (2.77 mm THICK) (m)	DRAINAGE INLET: TYPE OMP DI (EA)	DRAINAGE INLET: DESIGN "H" (m)	600 mm CONCRETE FES (EA)	REMOVE CULVERT (m)	REMOVE DOWNDRAIN (m)	450 mm CSP TEE ENERGY DISSIPATOR (2.77 mm THICK) (m)	450 mm CSP (2.77 mm THICK) (m)	450 mm RCP (m)	600 mm RCP (m)	MAXIMUM HEIGHT OF COVER (N) (m)	MINOR CONCRETE (BACKFILL) (m^3)	MINOR CONCRETE (MINOR STRUCTURE) (m^3)	MARKER (CULVERT) (EA)	RSP TRENCH DEPTH (N) (m)	RSP FABRIC (m^2)	RSP (FACING, METHOD B) (m^3)	DITCH: CONCRETE (DITCH LINING) (m^3)	DITCH: DITCH EXCAVATION (m^3)	DITCH: DITCH LENGTH (N) (m)	DESCRIPTION	STATION	DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT
D-1	1	a																		2				18	45	193	DITCH	"Rte 108" 92+80 TO "Rte 108" 94+73	D-1	1	a
D-1	2	a										8.7															REMOVE DOWNDRAIN	"Rte 108" 94+64	D-1	2	a
D-1	3	a																			0.7	30	10				RSP (FACING, METHOD B)	"Rte 108" 94+73	D-1	3	a
		b											1.4														450 mm CSP TED	"Rte 108" 94+73			b
		c												10.7						1							450 mm CSP, DD JOINT	"Rte 108" 94+73			c
		d		1			1.38	1	1.23										0.4								OMP DI, STEEL COVER, Conc FOUNDATION	"Rte 108" 94+73			d
D-1	4	a																			0.4	132	35				RSP (FACING, METHOD B)	"Rte 108" 94+73 TO "Rte 108" 95+20	D-1	4	a
D-1	5	a																			0.7	11	3				RSP (FACING, METHOD B)	"Rte 108" 95+20	D-1	5	a
		b								1																	600 mm CONCRETE FES (TYPE A)	"Rte 108" 95+20			b
		c														20.9	0.5	7.5		2							600 mm RCP	"Rte 108" 95+20			c
		d									16.7																REMOVE CULVERT	"Rte 108" 95+20			d
D-2	6	a	1		0.75	1			0.60										0.4								GCP DI, GRATE TYPE 900R, Conc FOUNDATION	"Rte 108" 96+58	D-2	6	a
		b													2												450 mm RCP	"Rte 108" 96+55			b
		c	1		0.90	1			0.75										0.4	2							GCP DI, GRATE TYPE 900R, Conc FOUNDATION	"Rte 108" 96+55			c
		d													2												450 mm RCP	"Rte 108" 96+55			d
		e	1		0.75	1			0.60										0.4								GCP DI, GRATE TYPE 900R, Conc FOUNDATION	"Rte 108" 96+52			e
		f														19.3	0.5	6.5									600 mm RCP	"Rte 108" 96+55			f
		g																	6.99								PCC APRON (150 mm THICK)	"Rte 108" 96+55			g
		h									16.5																REMOVE CULVERT	"Rte 108" 96+55			h
D-2	7	a	1		1.10	1			0.95										0.4								GCP DI, GRATE TYPE 900R, Conc FOUNDATION	"Rte 108" 97+69	D-2	7	a
		b													2												450 mm RCP	"Rte 108" 97+66			b
		c	1		1.21	1			1.06										0.4	2							GCP DI, GRATE TYPE 900R, Conc FOUNDATION	"Rte 108" 97+66			c
		d													2												450 mm RCP	"Rte 108" 97+66			d
		e	1		0.94	1			0.79										0.4								GCP DI, GRATE TYPE 900R, Conc FOUNDATION	"Rte 108" 97+63			e
		f													17.9		1.23										450 mm RCP	"Rte 108" 97+66			f
		g																	7.36								PCC APRON (150 mm THICK)	"Rte 108" 97+66			g
		h									15.6																REMOVE CULVERT	"Rte 108" 97+66			h
TOTAL			6	1	5.65		1.38			1	48.8	8.7	1.4	10.7	25.9	40.2		14.0	17.15	9		173	48	18	45					

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009

DRAINAGE QUANTITIES
DQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR DAVID SANGHA
CALCULATED-DESIGNED BY LARRY CAO
CHECKED BY ERNESTO GARCIA
REVISED BY CB
DATE REVISED 07/2009

LAST REVISION 08-10-09 DATE PLOTTED => 27-OCT-2009 TIME PLOTTED => 12:13

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	18	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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Caltrans Metric

1

LEGEND

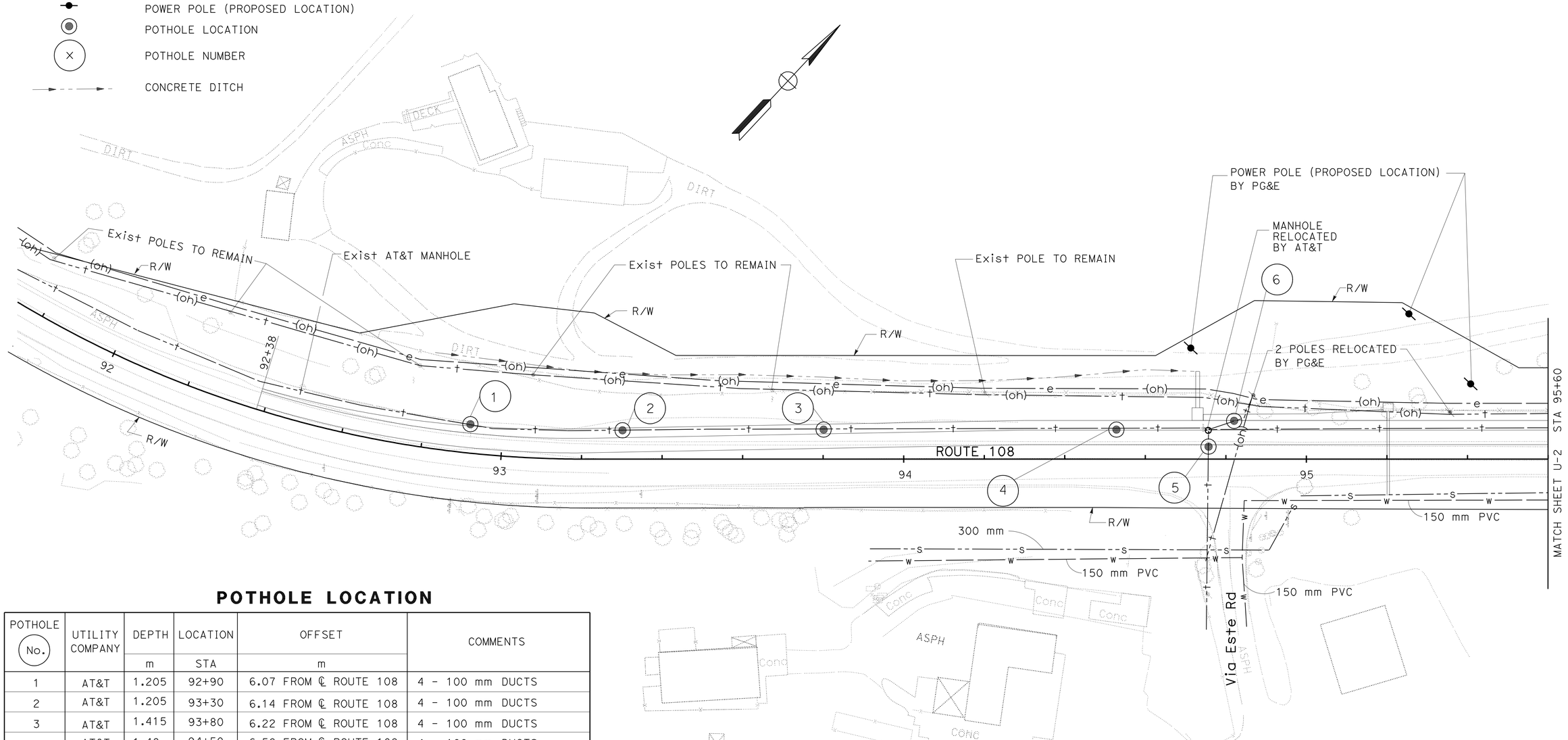
- AT&T CABLE (OVERHEAD)
- PG&E ELECTRIC LINE (OVERHEAD)
- AT&T TELEPHONE LINE (UNDERGROUND)
- TUD WATER LINE (UNDERGROUND)
- TUD SEWER LINE (UNDERGROUND)
- AT&T TELEPHONE LINE (PROPOSED LOCATION)
- POWER POLE RELOCATED
- POWER POLE (PROPOSED LOCATION)
- POTHOLE LOCATION
- POTHOLE NUMBER
- CONCRETE DITCH

NOTES:

1. ALL DEPTHS ARE MEASURED FROM THE TOP OF PIPE UNLESS OTHERWISE STATED.
2. LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

ABBREVIATIONS:

AT&T	AMERICAN TELEPHONE AND TELEGRAPH
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
TUD	TUOLUMNE UTILITY DISTRICT



POTHOLE LOCATION

POTHOLE No.	UTILITY COMPANY	DEPTH	LOCATION	OFFSET	COMMENTS
		m	STA	m	
1	AT&T	1.205	92+90	6.07 FROM ℄ ROUTE 108	4 - 100 mm DUCTS
2	AT&T	1.205	93+30	6.14 FROM ℄ ROUTE 108	4 - 100 mm DUCTS
3	AT&T	1.415	93+80	6.22 FROM ℄ ROUTE 108	4 - 100 mm DUCTS
4	AT&T	1.48	94+50	6.58 FROM ℄ ROUTE 108	4 - 100 mm DUCTS
5	AT&T	1.52	94+80	5.24 FROM ℄ ROUTE 108	1 - 100 mm DUCT
6	AT&T	1.375	94+85	8.90 FROM ℄ ROUTE 108	1 - 100 mm DUCT

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

THIS PLAN ACCURATE FOR UTILITY WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

UTILITIES PLAN
U-1

SCALE 1:500

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-DESIGN

FUNCTIONAL SUPERVISOR: DAVID SANGHA
CALCULATED-DESIGNED BY: CARMELITA BELLE
CHECKED BY: ERNESTO GARCIA
REVISED BY: CB
DATE REVISED: 05/2009

LAST REVISION 05-18-09 | DATE PLOTTED => 27-OCT-2009 | TIME PLOTTED => 12:13

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	19	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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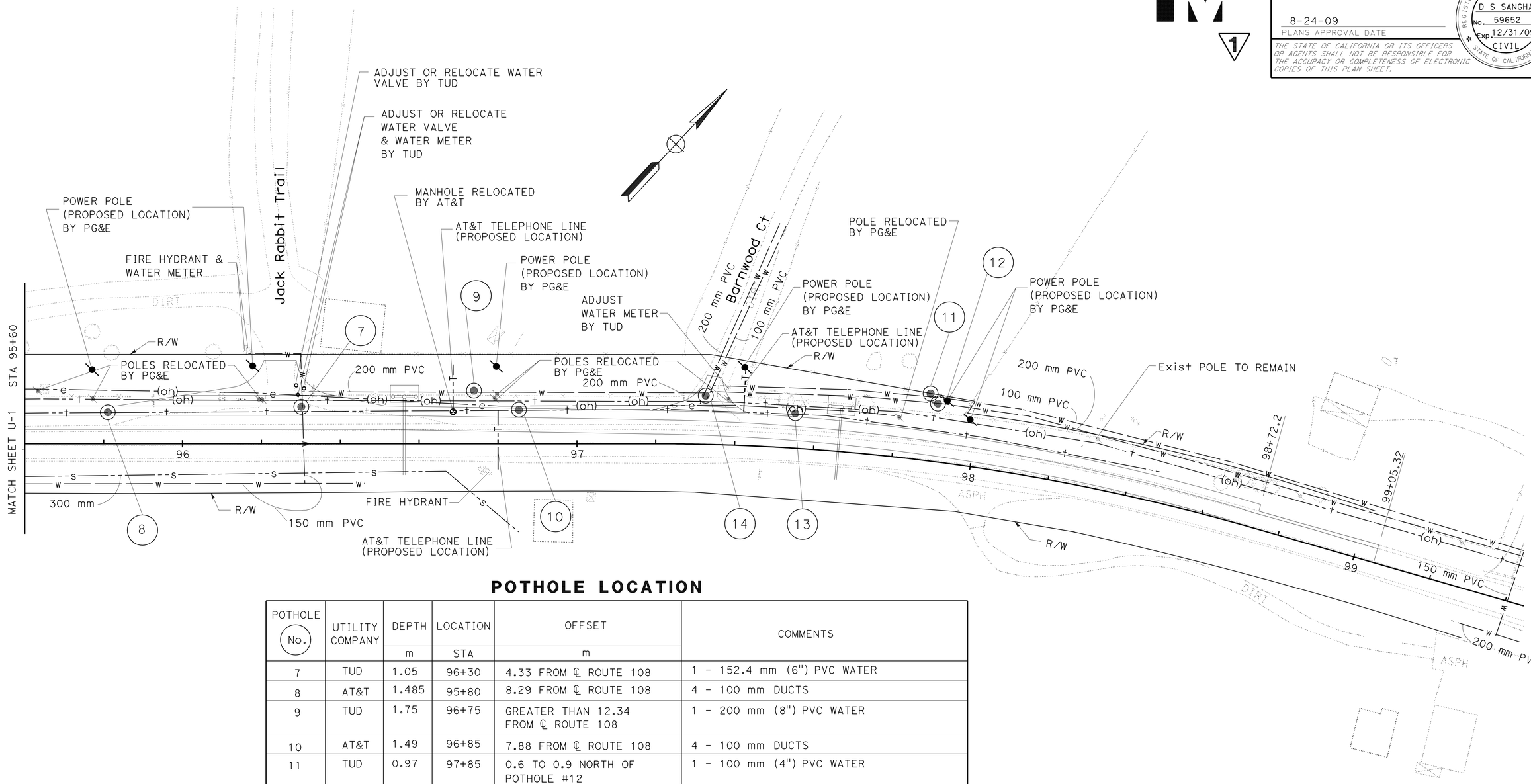

POTHOLE LOCATION

POTHOLE No.	UTILITY COMPANY	DEPTH m	LOCATION STA	OFFSET m	COMMENTS
7	TUD	1.05	96+30	4.33 FROM ℄ ROUTE 108	1 - 152.4 mm (6") PVC WATER
8	AT&T	1.485	95+80	8.29 FROM ℄ ROUTE 108	4 - 100 mm DUCTS
9	TUD	1.75	96+75	GREATER THAN 12.34 FROM ℄ ROUTE 108	1 - 200 mm (8") PVC WATER
10	AT&T	1.49	96+85	7.88 FROM ℄ ROUTE 108	4 - 100 mm DUCTS
11	TUD	0.97	97+85	0.6 TO 0.9 NORTH OF POTHOLE #12	1 - 100 mm (4") PVC WATER
12	TUD	0.9	97+85	15.45 FROM ℄ ROUTE 108	1 - 200 mm (8") PVC WATER
13	AT&T	1.54	97+55	7.71 FROM ℄ ROUTE 108	4 - 100 mm DUCTS
14	TUD	0.35	97+30	13.0 FROM ℄ ROUTE 108	HIT CONCRETE SLAB AT DEPTH, WENT 0.61 m SIDE TO SIDE ON WATER MARKINGS.

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

THIS PLAN ACCURATE FOR UTILITY WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

UTILITIES PLAN

SCALE 1:500

U-2

CALCULATED-DESIGNED BY	CARMELITA BELLE
CHECKED BY	ERNESTO GARCIA
REVISED BY	CB
DATE REVISED	05/2009
FUNCTIONAL SUPERVISOR	DAVID SANGHA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

LAST REVISION 05-18-09 | DATE PLOTTED => 27-OCT-2009 | TIME PLOTTED => 12:13

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	21	50

Ernesto Garcia 11-25-08
REGISTERED CIVIL ENGINEER DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ERNESTO GARCIA No. 63193 Exp. 06/30/10 CIVIL STATE OF CALIFORNIA

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Caltrans Metric

1

STAGE 1 CONSTRUCTION NOTES:

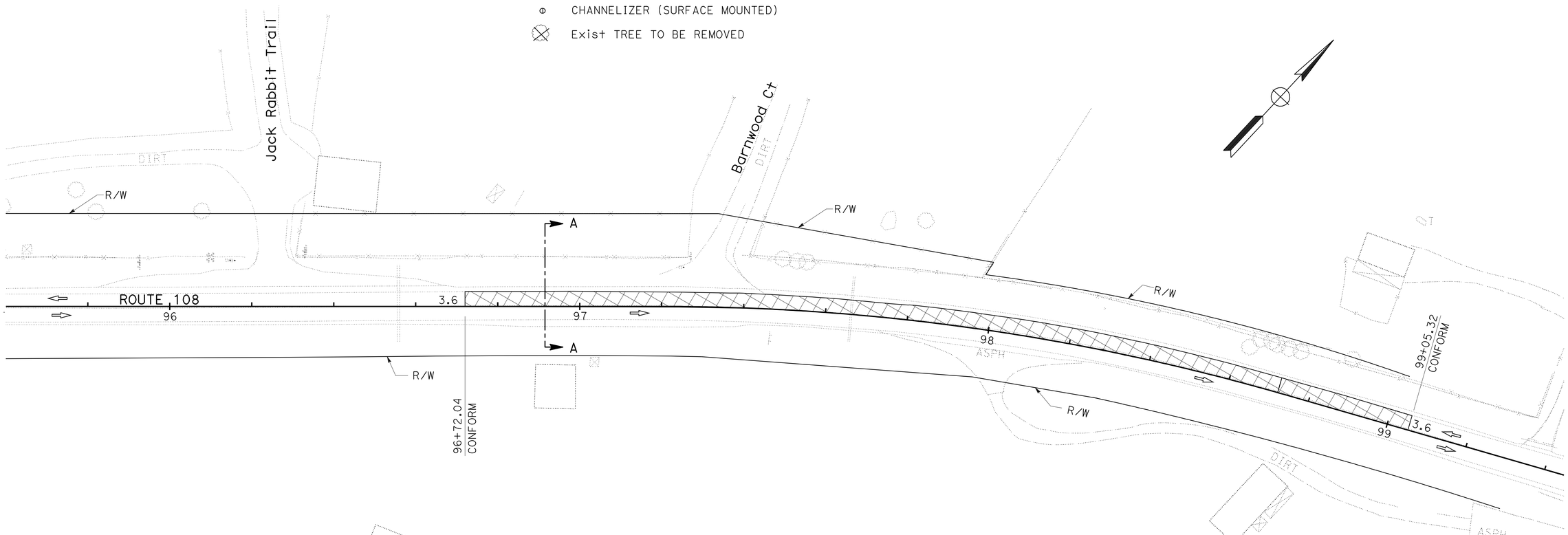
1. COLD PLANE WESTBOUND LANE.
2. PAVE CROSS SLOPE CORRECTION/HMA ON WESTBOUND LANE.

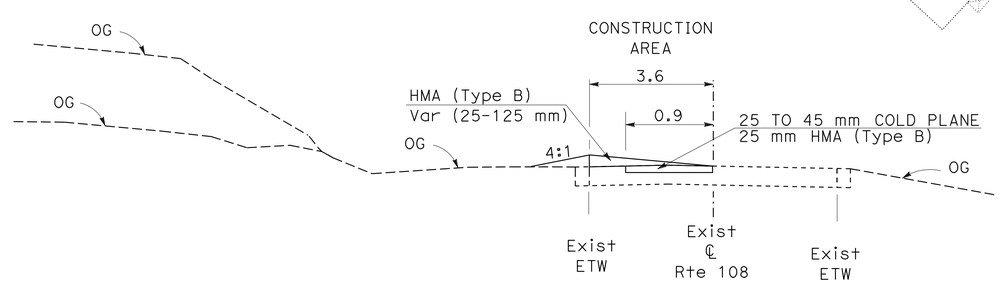
LEGEND

- DIRECTION OF TRAVEL
- 25 TO 45 mm COLD PLANE AC Pmvt HOT MIX ASPHALT (TYPE B) Var (25 TO 125 mm)
- CONSTRUCT WIDENING
- CONSTRUCT DRIVEWAY
- TEMPORARY K-RAIL
- TEMPORARY CRASH CUSHION
- CHANNELIZER (SURFACE MOUNTED)
- Exist TREE TO BE REMOVED

ABBREVIATIONS:

LL LANE LINE
HMA HOT MIX ASPHALT





SECTION A-A
NO SCALE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION

STAGE 1 SC-1

SCALE 1:500

1 1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR DAVID SANGHA
CALCULATED-DESIGNED BY CARMELITA BELLE
CHECKED BY ERNESTO GARCIA
REVISED BY CB
DATE REVISED 11/2008

LAST REVISION 06-17-09 DATE PLOTTED => 27-OCT-2009 TIME PLOTTED => 12:14

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	22	50

Ernesto Garcia 11-25-08
REGISTERED CIVIL ENGINEER DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ERNESTO GARCIA No. 63193 Exp. 06/30/10 CIVIL STATE OF CALIFORNIA

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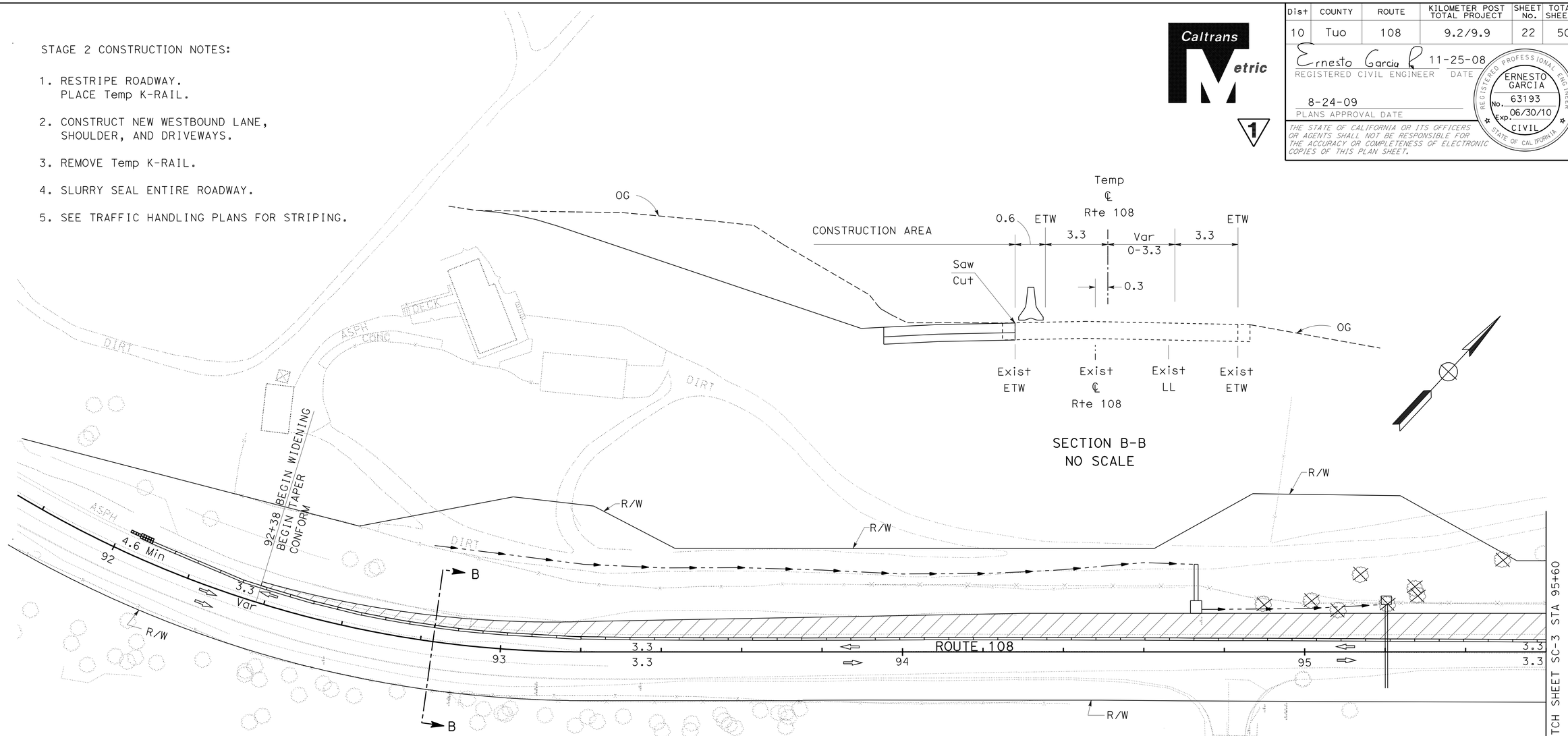
Caltrans Metric

1

STAGE 2 CONSTRUCTION NOTES:

1. RESTRIPE ROADWAY.
   PLACE Temp K-RAIL.
2. CONSTRUCT NEW WESTBOUND LANE, SHOULDER, AND DRIVEWAYS.
3. REMOVE Temp K-RAIL.
4. SLURRY SEAL ENTIRE ROADWAY.
5. SEE TRAFFIC HANDLING PLANS FOR STRIPING.



1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION

STAGE 2

SC-2

SCALE 1:500

CALCULATED-DESIGNED BY	CARMELITA BELLE	REVISED BY	CB
CHECKED BY	ERNESTO GARCIA	DATE REVISED	11/2008
FUNCTIONAL SUPERVISOR	DAVID SANGHA		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	06-DESIGN		

LAST REVISION 06-17-09 DATE PLOTTED => 27-OCT-2009 TIME PLOTTED => 1214

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	23	50

Ernesto Garcia 11-25-08
REGISTERED CIVIL ENGINEER DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ERNESTO GARCIA
No. 63193
Exp. 06/30/10
CIVIL
STATE OF CALIFORNIA

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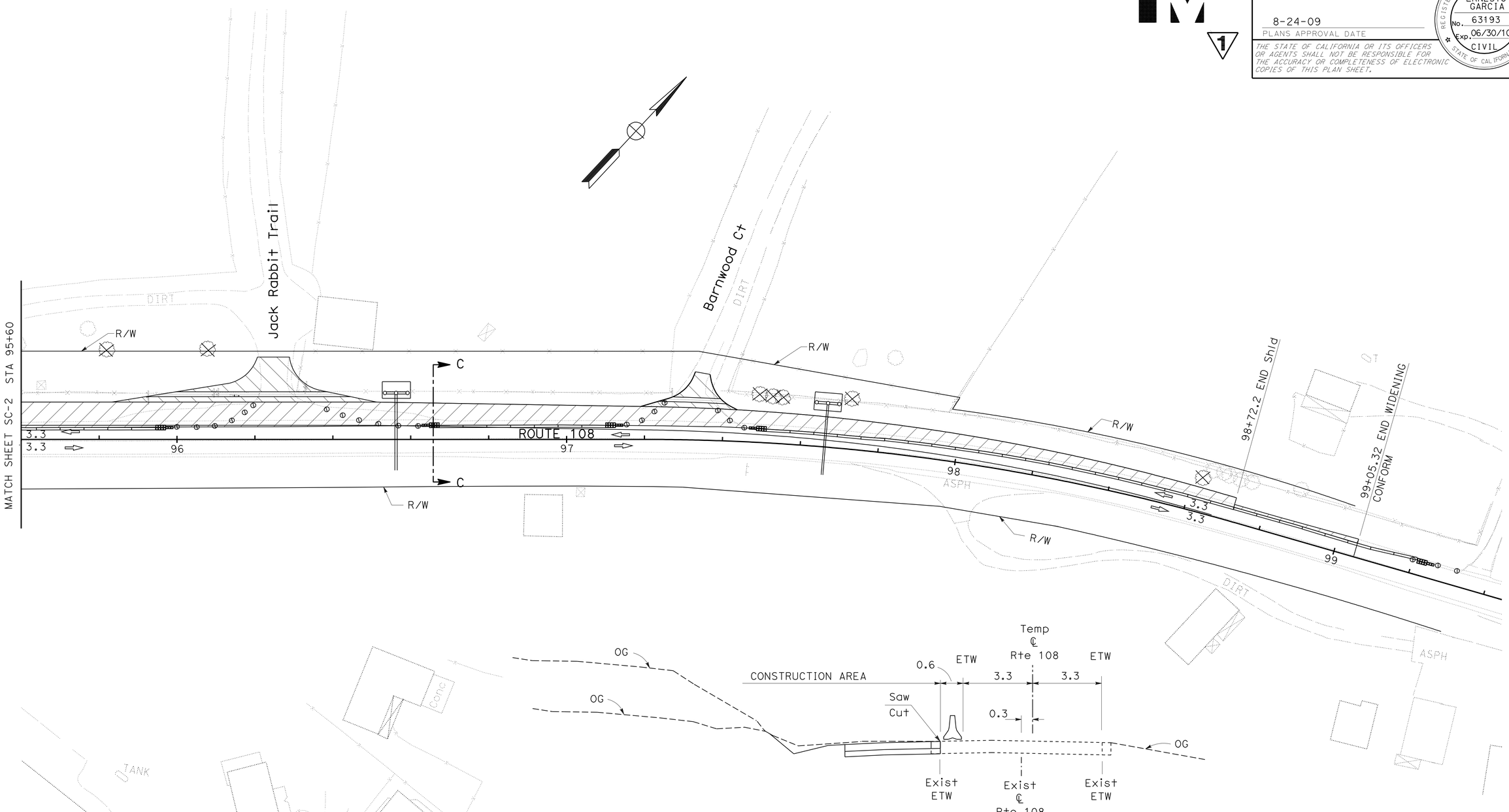
1



SECTION C-C
NO SCALE

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

STAGE CONSTRUCTION

STAGE 2

SC-3

SCALE 1:500

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR DAVID SANGHA
CALCULATED-DESIGNED BY CARMELITA BELLE
CHECKED BY ERNESTO GARCIA
REVISED BY CB
DATE REVISED 11/2008

LAST REVISION 06-17-09
DATE PLOTTED => 27-OCT-2009
TIME PLOTTED => 12:14

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	24	50

Hassan Marei 11-25-08
REGISTERED CIVIL ENGINEER DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9/30/09 CIVIL STATE OF CALIFORNIA

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Caltrans Metric

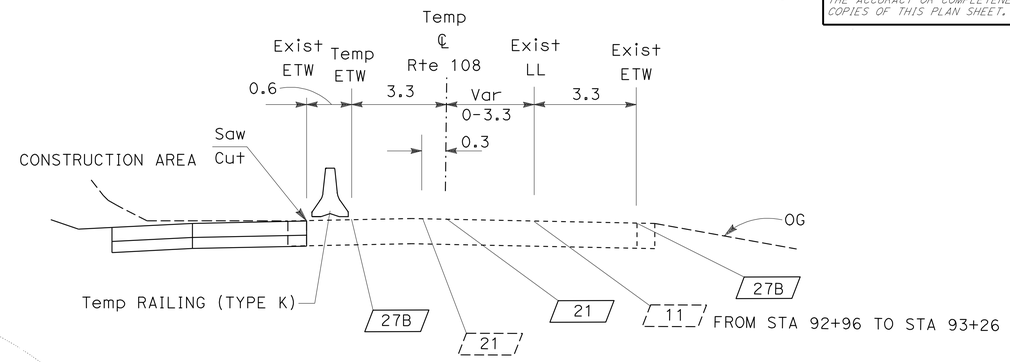
1

LEGEND

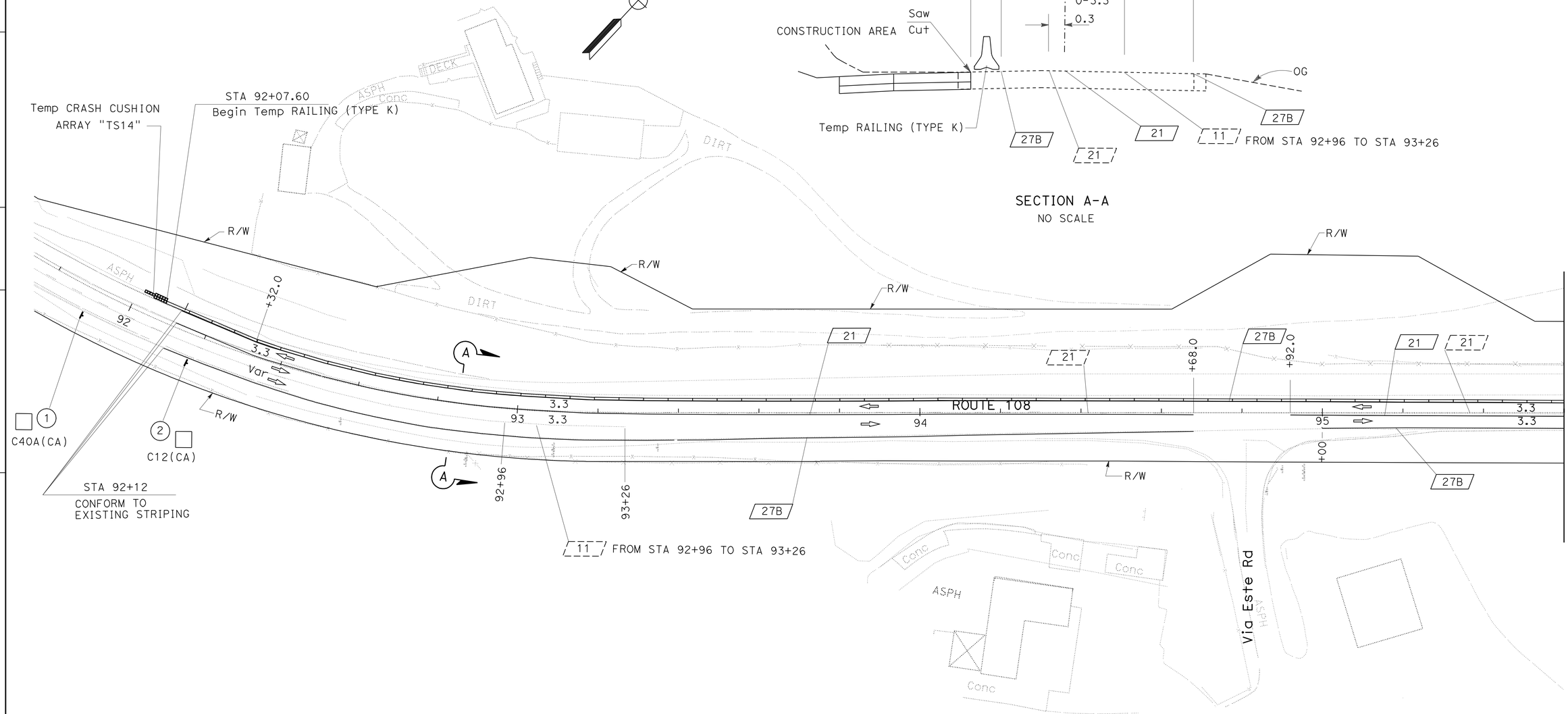
- REMOVE THERMOPLASTIC TRAFFIC STRIPE
- TEMPORARY TRAFFIC STRIPE (TAPE)
- (XX) CONSTRUCTION AREA SIGN No.
- □ CONSTRUCTION AREA SIGN (PORTABLE)
- CHANNELIZER (SURFACE MOUNTED)
- TEMPORARY RAIL (TYPE K)
- CRASH CUSHION
- DIRECTION OF TRAFFIC

ABBREVIATION

LL : LANE LINE



SECTION A-A
NO SCALE



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

TRAFFIC HANDLING PLAN
STAGE 2

SCALE 1:500

TH-1

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

THIS PLAN ACCURATE FOR TRAFFIC HANDLING ONLY.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
HUE NGUYEN	ALI JUMA

FUNCTIONAL SUPERVISOR: HASSAN MAREI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
06-TRAFFIC DESIGN

LAST REVISION 06-17-09 DATE PLOTTED => 27-OCT-2009 TIME PLOTTED => 12:14

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	27	50

REGISTERED CIVIL ENGINEER — DATE 11-25-08

PLANS APPROVAL DATE 8-24-09

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9/30/09 CIVIL STATE OF CALIFORNIA

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Caltrans Metric

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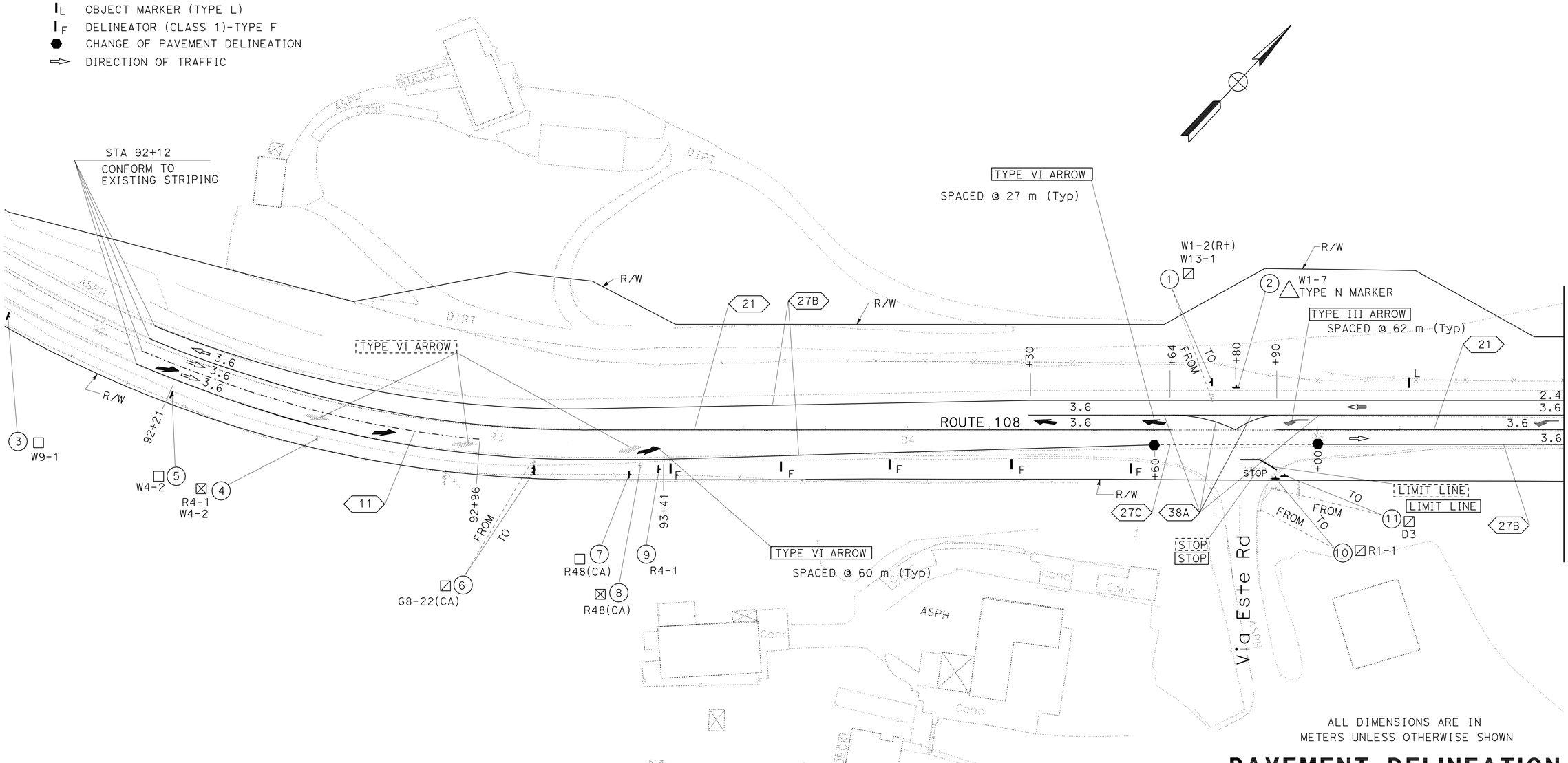
LEGEND

- XX — THERMOPLASTIC TRAFFIC STRIPE DETAIL No.
- PAINT PAVEMENT MARKING (2-COAT)
- REMOVE THERMOPLASTIC Pvmt MARKING
- XX — ROADSIDE SIGN No.
- INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)
- RELOCATE ROADSIDE SIGN
- REMOVE ROADSIDE SIGN
- ROADSIDE SIGN
- PM — MILEPOST MARKER
- L — OBJECT MARKER (TYPE L)
- F — DELINEATOR (CLASS 1)-TYPE F
- CHANGE OF PAVEMENT DELINEATION
- DIRECTION OF TRAFFIC



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION AND SIGN PLAN

1 **REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009**

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGN WORK ONLY.

SCALE 1:500

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

06-TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI

CALCULATED-DESIGNED BY: HUE NGUYEN

CHECKED BY: ALI JUMA

REVISED BY | DATE REVISED

LAST REVISION 06-17-09 | DATE PLOTTED => 27-OCT-2009 | TIME PLOTTED => 12:14

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Tuo	108	9.2/9.9	30	50

REGISTERED CIVIL ENGINEER 11-25-08 DATE

8-24-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER D S SANGHA No. 59652 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

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Caltrans Metric

1

NOTES:

1. (N) NOT A SEPARATE PAY ITEM, FOR INFORMATIONAL.
2. FOR TRAFFIC HANDLING QUANTITIES SEE TH PLANS.

ROADWAY QUANTITIES

SHEET No.	STATION/DESCRIPTION	HOT MIX ASPHALT (TYPE B)	CLASS 2 AGGREGATE BASE	COLD PLANE ASPHALT CONCRETE PAVEMENT	PLACE HOT MIX ASPHALT (Misc AREA)	ASPHALTIC EMULSION (FOG SEAL COAT)	TACK COAT	ROADWAY EXCAVATION	EMBANKMENT (N)
		TONN	m^3	m^2	m^2	TONN	TONN	m^3	m^3
L-1 TO L-2	92+38.0 TO 99+05.04	1330	845	300		5	7	1500	380
L-2	JACK RABBIT TRAIL	116			320		0.5	54	
L-2	BARNWOOD C+	40			109		0.2	18	
TOTAL		1486	845	300	429	5	7.7	1572	

MINOR CONCRETE (GUTTER DEPRESION)

DESCRIPTION	GUTTER
	m^3
JACK RABBIT TRAIL	8.4
BARNWOOD C+	2.7
TOTAL	11.1

REMOVE TREE (N)

SHEET No.	STATIONS	LOCATION	QUANTITY
			EA
L-1	92+38.0 TO 95+60.0	L+	8
L-2	95+60.0 TO 99+05.32	L+	7

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

LOCATION STATION TO STATION	TEMPORARY FENCE (TYPE ESA)	TEMPORARY FIBER ROLL	TEMPORARY SILT FENCE
	m	m	m
92+38 TO 100+12	252	406	610

EROSION CONTROL (TYPE D)

LOCATION STATION TO STATION	EROSION CONTROL (TYPE D)	STRAW (N)	FIBER (N)	COMPOST (N)	PURE LIVE SEED (N)	COMMERCIAL FERTILIZER (N)	STABILIZING EMULSION (N)
	ha	TONNE	kg	m^3	kg	kg	kg
92+38 TO 95+60 L+	0.10	0.40	120.0	25.0	3.80	30.0	15.0
95+60 TO 96+08 L+	0.02	0.08	24.0	5.0	0.76	6.0	3.0
96+34 TO 97+29 L+	0.04	0.16	48.0	10.0	1.52	12.0	6.0
97+37 TO 98+75.7 L+	0.05	0.20	60.0	12.5	1.90	15.0	7.5
TOTAL *	0.21						

* TOTAL QUANTITY INCLUDED IN EROSION CONTROL TABLE

RELOCATE MAILBOX

SHEET No.	STATION/LOCATION	RELOCATE MAILBOX
		EA
L-2	96+10.0 L+	7
L-2	97+25.0 L+	3
TOTAL		10

DUFF

LOCATION STATION TO STATION	DUFF
	ha
92+38 TO 95+60 L+	0.10
95+60 TO 96+08 L+	0.02
96+34 TO 97+29 L+	0.04
97+37 TO 98+75.7 L+	0.05
TOTAL	0.21

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 28, 2009

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR DAVID SANGHA
CALCULATED-DESIGNED BY CARMELITA BELLE
CHECKED BY ERNESTO GARCIA
REVISED BY CB
DATE REVISED 06/2009

LAST REVISION 08-04-09 DATE PLOTTED => 27-OCT-2009 TIME PLOTTED => 12:14