Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven,SB	101	R39.8/R43.6, 0.0/2.2	70	757

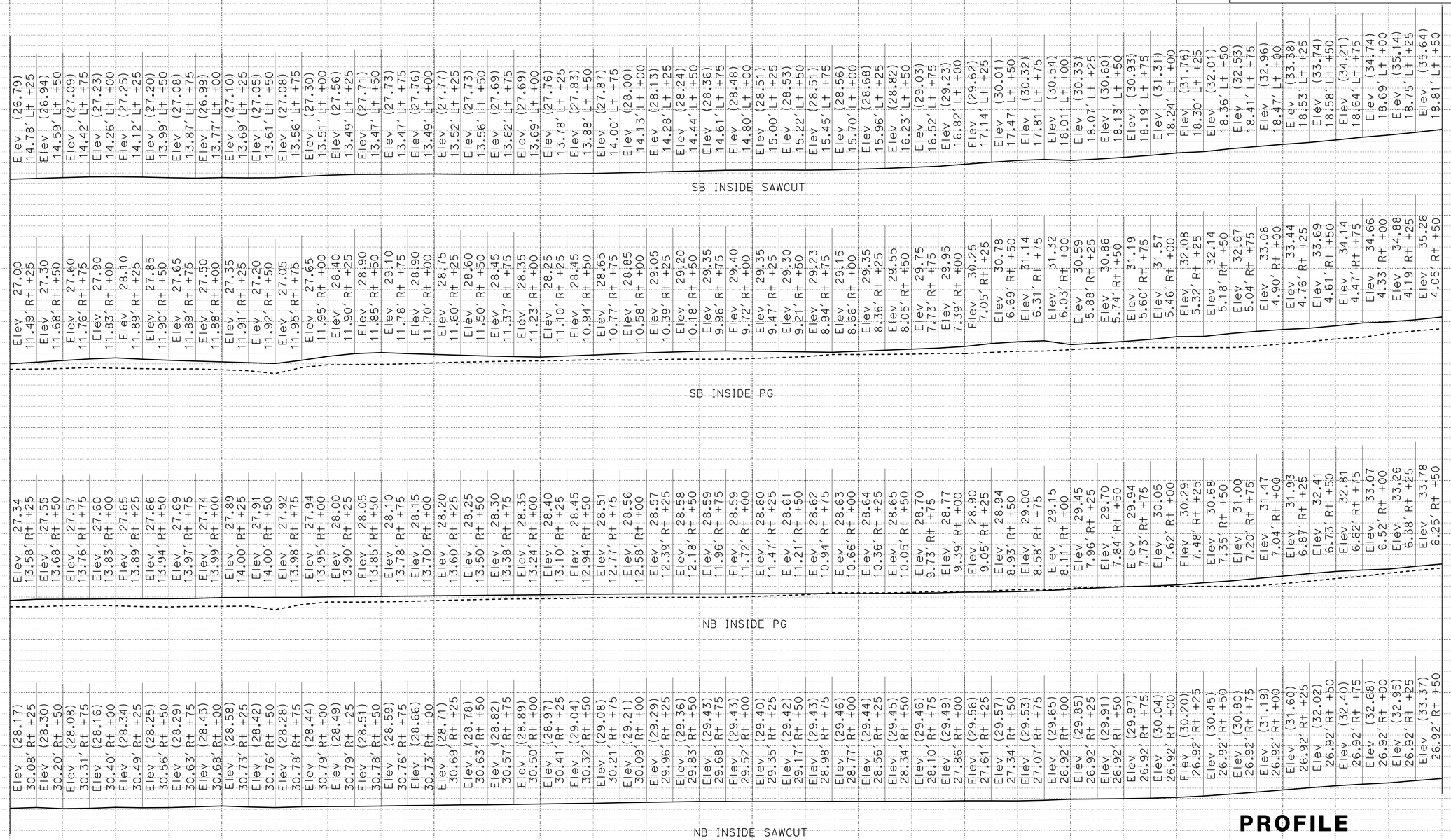
REGISTERED CIVIL ENGINEER 01-12-11 DATE

6-20-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER O.C. LEE No. C28039 Exp. 03/31/12 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.

1



1 ADDED PER ADDENDUM No. 1 DATED NOVEMBER 14, 2011

PROFILE

SCALE: Horiz 1" = 100'
Vert 1" = 20'

P-33

STATION	168+00	169+00	170+00	171+00	172+00	173+00	174+00	175+00	176+00	177+00	178+00	179+00	180+00	181+00	TOTAL
CY Exc	3291.79														
CY Emb	78.85														

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
FUNCTIONAL SUPERVISOR: OC LEE
CALCULATED-DESIGNED BY: TRIEU NGUYEN
CHECKED BY: ANTOINE NADER
REVISED BY / DATE REVISED

LAST REVISION 01-12-11
DATE PLOTTED => 09-NOV-2011
TIME PLOTTED => 15:55

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	Ven,SB	101	R39.8/R43.6, 0.0/2.2	720	757

REGISTERED CIVIL ENGINEER 10-18-10 DATE

6-20-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Douglas C. Menzmer No. C63498 Exp. 09-30-12 CIVIL STATE OF CALIFORNIA

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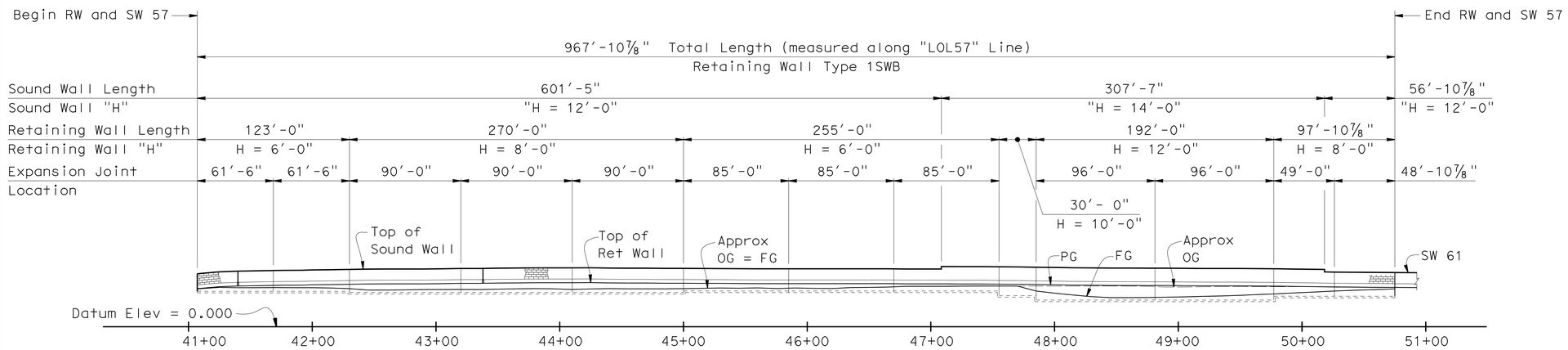


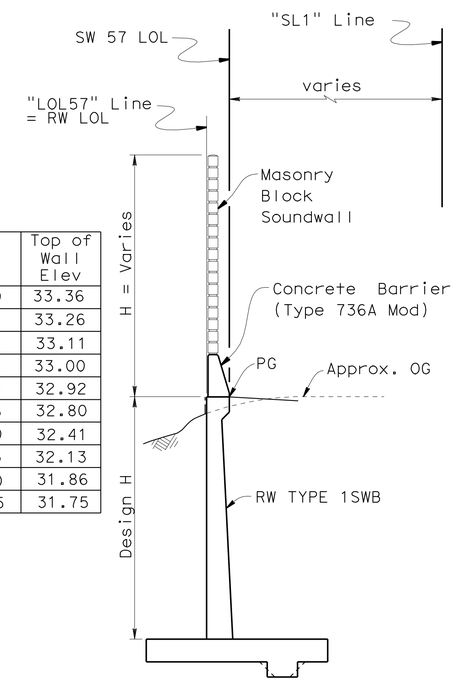
ELEVATION (DEVELOPED)

1" = 50'

Note: See "Road Plans" for Aesthetic sound wall details

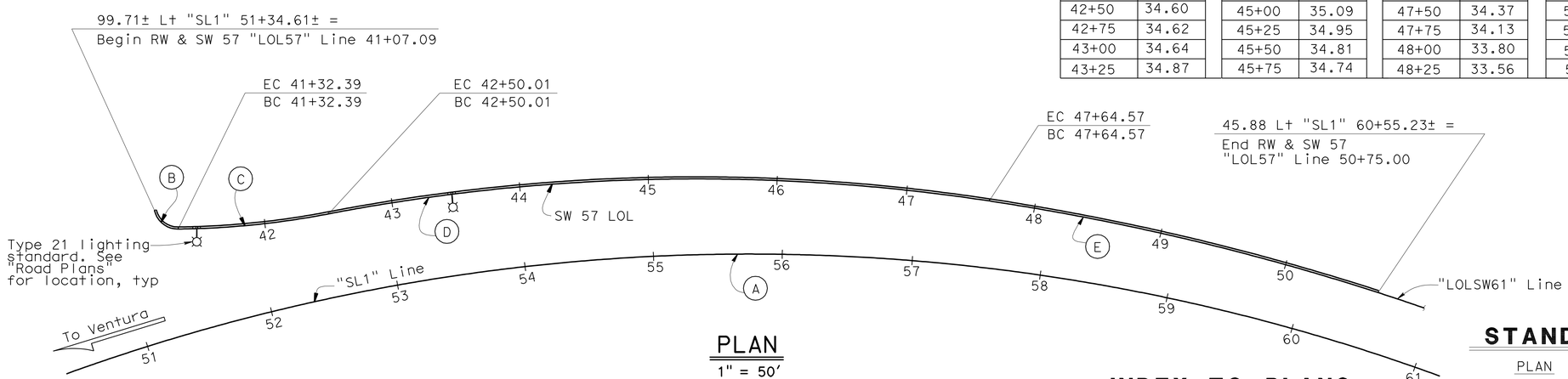
1

Sta	Top of Wall Elev	Sta	Top of Wall Elev	Sta	Top of Wall Elev	Sta	Top of Wall Elev
41+07.09	30.72	43+50	35.24	46+00	34.73	48+50	33.36
41+25	32.29	43+75	35.46	46+25	34.72	48+75	33.26
41+50	33.09	44+00	35.51	46+50	34.70	49+00	33.11
41+75	33.51	44+25	35.55	46+75	34.66	49+25	33.00
42+00	33.90	44+50	35.28	47+00	34.61	49+50	32.92
42+25	34.11	44+75	35.20	47+25	34.52	49+75	32.80
42+50	34.60	45+00	35.09	47+50	34.37	50+00	32.41
42+75	34.62	45+25	34.95	47+75	34.13	50+25	32.13
43+00	34.64	45+50	34.81	48+00	33.80	50+50	31.86
43+25	34.87	45+75	34.74	48+25	33.56	50+75	31.75



TYPICAL SECTION

No Scale



PLAN

1" = 50'

CURVE DATA

No.	R	Δ	T	L
Ⓐ	1557.22	45°31'36"	653.42	1237.35
Ⓑ	18.50	78°21'07"	15.08	25.30
Ⓒ	656.50	10°15'54"	58.97	117.62
Ⓓ	1511.50	19°30'19"	259.80	514.56
Ⓔ	1911.50	9°18'18"	155.56	310.43

QUANTITIES		
STRUCTURE EXCAVATION (RETAINING WALL)	4,275	CY
STRUCTURE BACKFILL (RETAINING WALL)	3,095	CY
STRUCTURAL CONCRETE (RETAINING WALL)	738	CY
SOUND WALL (MASONRY BLOCK)	9,308	SQFT
BAR REINFORCING STEEL (EPOXY COATED) (RETAINING WALL)	77,700	LB
MISCELLANEOUS METAL (BRIDGE)	180	LB
CONCRETE BARRIER (TYPE 736A MODIFIED)	968	LF

INDEX TO PLANS

SHEET NO.	PLANS
1	GENERAL PLAN
2	FOUNDATION PLANS NO. 1
3	FOUNDATION PLANS NO. 2
4	LIGHTING STANDARD TYPE 21 ON RETAINING WALL TYPE 1SWB
5	RETAINING WALL TYPE 1SWB
6	SOUNDWALL WITH BARRIER ON RETAINING WALL MASONRY BLOCK -DETAILS NO. 1
7	SOUNDWALL WITH BARRIER ON RETAINING WALL MASONRY BLOCK -DETAILS NO. 2

STANDARD PLAN SHEET NO.

DETAIL NO.

STANDARD PLANS DATED MAY 2006

PLAN	PLAN TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE SURCHARGE AND WALL
B3-8	RETAINING WALL DETAIL NO. 1
B3-9	RETAINING WALL DETAIL NO. 2
B11-56	CONCRETE BARRIER TYPE 736 (MOD)
ES-6A	ELECTRICAL SYSTEMS (LIGHTING STANDARD, TYPE 15 AND 21, BARRIER RAIL MOUNTED DETAILS)
ES-6B	ELECTRICAL SYSTEMS (LIGHTING STANDARD, TYPE 15D AND 21D, DOUBLE ARM)
RSP-9A	ELECTRICAL SYSTEMS (ELECTRICAL DETAILS, STRUCTURE INSTALLATION)
RSP-9B	ELECTRICAL SYSTEMS (ELECTRICAL DETAILS, STRUCTURE INSTALLATION)

1 REVISED PER ADDENDUM No. 1 DATED NOVEMBER 14, 2011

Matt Holm
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Leon Valla	Doug Menzmer
DETAILS	Wei Zhang	Doug Menzmer
QUANTITIES	Leon Valla	Doug Menzmer

LOAD & RESISTANCE FACTOR DESIGN — LIVE LOADING: HS20 AND ALTERNATIVE AND PERMIT DESIGN VEHICLE

LAYOUT: BY Leon Valla, CHECKED Doug Menzmer

SPECIFICATIONS: BY Erwin Rufino, PLANS AND SPECS COMPARED Erwin Rufino

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 12

CU 07
EA 260701

BRIDGE NO. 52-E0015
POST MILE 40.78-41.07

RETAINING WALL & SOUND WALL NO. 57
GENERAL PLAN

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 8-27-09, 9-1-09, 9-9-09, 10-14-09, 10-30-09, 07-27-10, 01-26-11, 2-28-11, 4-18-11

SHEET 1 OF 7

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => g-52-e0015-a-gp.add

USERNAME => s124496 DATE PLOTTED => 09-NOV-2011 TIME PLOTTED => 16:11