Supplier Document Status Stamp

BSC

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B. LSN Relevancy: ☐ LSN Relevant ☒ Not LSN Relevant
C. Privileged or Copyright Protected: ☐ Yes _____ ☒ No
D. Procurement Document No. NN-HC4-00239
E. BSC Standard Document No. V0-HX00-NHC4-00239-00059-001-003

F. SUPPLIER DOCUMENT STATUS

1. ☒ WORK MAY PROCEED.
2. ☐ REVISE AND RESUBMIT. WORK MAY PROCEED SUBJECT TO RESOLUTION OF INDICATED COMMENTS.
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I. DOCUMENT CATEGORY N/A
(Attach 3, Attach 4, or SSRS Form as applicable)

J. Eugene C. Allen E C Allen 5/23/07
RESPONSIBLE ENGINEER/ANALYST (Printed Name and Signature) DATE

Title: Engineered Plan & Profile Drawing Set Caliente Rail Corridor

Supplier DI#: NRP-D-SYSW-PP-0001-02

Supplier Rev.: 02

Supplier Date: 05/15/07

NVM Nevada Transportation Manager Gene Allen
NE Nevada Engineering Scott Kolderhouse

BSC

Supplier Document Distribution

Complete only applicable items.

QA: N/A

1. Supplier/Subcontractor Name:	Purchase Order/Subcontract No. and Title:	
Nevada Rail Partners NRP	NN-HC4-00239	
2. BSC Submittal No.:	Revision:	Title:
V0-HX00-NHC4-00239-00059-001	003	Engineered Plan & Profile Drawing Set Caliente Rail Corridor

Responsible Individual:	Eugene Allen	EA	423	5/18/07	5/25/07
	Name (Print)	Initials	Mailstop	Date	Due Date

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6. Document transmitted contains OUO information? ☐ **Yes** ☒ **No**

*** Use these abbreviations on the Supplier Document Status stamp to indicate reviewers.**

Transportation Data Pedigree Form

Complete only applicable items.

Subcontractor:	Item Number/Title/Revision:	Submittal Date:	SRCT No.:
Nevada Rail Partners	Task 6 Route Alignment Definition, Exhibit "I", item number 10k, mod 15. Alignment Plan and Profile Utilizing 5-foot contour data; 11x17 (dgn/pdf) cut-sheets (Engineered Plan and Profile Drawing Set)-Final reference for use in DEIS; no changes to technical data-Drawing Scale @ 1"=2000' Revision 02. Basis for Analysis Alignment and Alternate Segments.	May 15, 2007	06-00024

Section I. Submittal Information (includes above information)

Submittal Description and Revision Summary for Entire Submittal:

This submittal fulfills one of the commitments under Task 6 Route Alignment Definition, Exhibit "I", item number 10k, mod 15 of the contract. This submittal includes all Common Alignment and Alternate segments identified to date as Common Alignments CS1, CS2, CS3, CS4, CS5, CS6, GOLDFIELD 3, CALIENTE, GARDEN VALLEY 8 and Alternate Segments ECCLES, GARDEN VALLEY 1, GARDEN VALLEY 2, SOUTH REVEILLE, GOLDFIELD 1, GOLDFIELD 4, BONNIE CLAIRE 2, OASIS VALLEY 3 AND GARDEN VALLEY 3. The revision entailed changing the revision number from 01 to 02, and removing disclaimer per DOE/BSC direction.

The Data set of the deliverable product is as follows:

(120) MicroStation V8 drawing files (*.dgn) Plan at 1"=2000' showing alignment centerline, stationing tick marks, 5' contours, 1000' Approximate NRL ROW, major landmarks, bridges, culverts and sidings. Profile at 1"=2000' horizontal and 1"=200' vertical showing top of rail profile and existing ground line. These files are being submitted to fulfill one of the commitments under Task 6 Route Alignment Definition, Exhibit "I", item number 10k, mod 15 of the contract. "Draft Alignment Plan & Profile Utilizing 5-Foot Contour Data: 11X17 Cut-Sheets (Engineered Plan & Profile Drawing Set)-Drawing Scale @ 1"=2000'."

(1) Adobe Acrobat 6.x file (*.pdf). Engineered Plan and Profile Cut-Sheet Drawing Set (Caliente - RAD - Task 6.pdf). This file has been submitted to allow viewing the CAD drawings, without requiring the user to have CAD software.

The data set captures the following data:

Alignment centerline
Engineering stationing
1000' approximate Nevada Rail Line Right of Way
5' Contours
Major Landmarks
Sidings
Track geometry (Horizontal & Vertical)
Track curve data
Structures (bridges and culverts)
General notes
Road crossing data
Key map
Reference Files
Drawing Index
Cutsheet package cover sheet

NOTE:

BSC provided related files for 5 foot contours and property data for BLM Corridors, WSA, NTTR, County, USFS, private and other boundaries.

Section II. Data File Information (Add lines below if needed for additional files. Indicate "Last item" or "End of list" on last line used.)

Filename	Rev.	File Size	Description (File description and revision summary for file)	Application and Version/ Add-in or Extension and Version
T6_Cover_Rev 02.ppt	02	460 KB	Report cover for Engineered Plan and Profile Drawing Set	Microsoft Powerpoint 2003
NRP-D-IND1-PP-0101-02.dgn	02	34 KB	INDEX OF DRAWINGS	MicroStation V08.05.02.55
NRP-D-KEY1-PP-0102-02.dgn	02	136 KB	MASTER KEY MAP	MicroStation V08.05.02.55
NRP-D-NOTE-PP-0103-02.dgn	02	42 KB	NOTES AND ABBREVIATIONS	MicroStation V08.05.02.55
NRP-D-CD01-PP-0104-02.dgn	02	73 KB	CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA	MicroStation V08.05.02.55

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NRP-D-CD02-PP-0105-02.dgn	02	80 KB	CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-CD03-PP-0106-02.dgn	02	77 KB	CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-CD04-PP-0107-02.dgn	02	68 KB	CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-CD05-PP-0108-02.dgn	02	69 KB	CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-CD06-PP-0109-02.dgn	02	78 KB	CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-CD07-PP-0110-02.dgn	02	51 KB	CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-CD08-PP-0111-02.dgn	02	80 KB	ALTERNATE ALIGNMENTS-HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-CD09-PP-0112-02.dgn	02	93 KB	ALTERNATE ALIGNMENTS - HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-CD10-PP-0113-02.dgn	02	83 KB	ALTERNATE ALIGNMENTS - HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-CD11-PP-0114-02.dgn	02	79 KB	ALTERNATE ALIGNMENTS - HORIZONTAL CURVE DATA	MicroStation V08.05.02.55
NRP-D-ROAD-PP-0115-02.dgn	02	56 KB	ALL ALIGNMENTS – ROAD CROSSING TABLES	MicroStation V08.05.02.55
NRP-D-STR1-PP-0116-02.dgn	02	153 KB	CONTINUOUS ALIGNMENT – STRUCTURE TABLES	MicroStation V08.05.02.55
NRP-D-STR2-PP-0117-02.dgn	02	117 KB	CONTINUOUS ALIGNMENT – STRUCTURE TABLES	MicroStation V08.05.02.55
NRP-D-STR3-PP-0118-02.dgn	02	54 KB	CONTINUOUS ALIGNMENT – STRUCTURE TABLES	MicroStation V08.05.02.55
NRP-D-STR4-PP-0119-02.dgn	02	62 KB	ALTERNATE ALIGNMENT – STRUCTURE TABLES	MicroStation V08.05.02.55
NRP-D-STR5-PP-0120-02.dgn	02	53 KB	ALTERNATE ALIGNMENT – STRUCTURE TABLES	MicroStation V08.05.02.55
NRP-D-CAL1-PP-0001-02.dgn	02	6,627 KB	CALIENTE 994+33 TO 1200+00	MicroStation V08.05.02.55
NRP-D-CAL2-PP-0002-02.dgn	02	2,741 KB	CALIENTE 1200+00 TO 1400+00	MicroStation V08.05.02.55
NRP-D-CAL3-PP-0003-02.dgn	02	1,772 KB	CALIENTE 1400+00 TO 1591+88	MicroStation V08.05.02.55
NRP-D-BP01-PP-0004-02.dgn	02	2,574 KB	CS1 BENNETT PASS 1600+00 TO 1900+00	MicroStation V08.05.02.55
NRP-D-BP02-PP-0005-02.dgn	02	3,744 KB	CS1 BENNETT PASS 1900+00 TO 2200+00	MicroStation V08.05.02.55
NRP-D-BP03-PP-0006-02.dgn	02	2,779 KB	CS1 BENNETT PASS 2200+00 TO 2500+00	MicroStation V08.05.02.55
NRP-D-BP04-PP-0007-02.dgn	02	1,389 KB	CS1 BENNETT PASS 2500+00 TO 2800+00	MicroStation V08.05.02.55
NRP-D-BP05-PP-0008-02.dgn	02	266 KB	CS1 BENNETT PASS 2800+00 TO 2950+00	MicroStation V08.05.02.55

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NRP-D-PS01-PP-0009-02.dgn	02	227 KB	CS1 PAHROC SUMMIT 2950+00 TO 3100+00	MicroStation V08.05.02.55
NRP-D-PS02-PP-0010-02.dgn	02	1,643 KB	CS1 PAHROC SUMMIT 3100+00 TO 3400+00	MicroStation V08.05.02.55
NRP-D-PS03-PP-0011-02.dgn	02	3,129 KB	CS1 PAHROC SUMMIT 3400+00 TO 3700+00	MicroStation V08.05.02.55
NRP-D-PS04-PP-0012-02.dgn	02	2,962 KB	CS1 PAHROC SUMMIT 3700+00 TO 3932+76	MicroStation V08.05.02.55
NRP-D-WR11-PP-0013-02.dgn	02	3,620 KB	CS1/WR1 3840+50 TO 4100+00	MicroStation V08.05.02.55
NRP-D-WR12-PP-0014-02.dgn	02	2,465 KB	CS1/WR1 4100+00 TO 4400+00	MicroStation V08.05.02.55
NRP-D-WR13-PP-0015-02.dgn	02	2,657 KB	CS1/WR1 4400+00 TO 4700+00	MicroStation V08.05.02.55
NRP-D-WR14-PP-0016-02.dgn	02	1,909 KB	CS1/WR1 4700+00 TO 5000+00	MicroStation V08.05.02.55
NRP-D-WR15-PP-0017-02.dgn	02	995 KB	CS1/WR1 5000+00 TO 5231+49	MicroStation V08.05.02.55
NRP-D-GV81-PP-0018-02.dgn	02	1,518 KB	GV8 56000+00 TO 56240+00	MicroStation V08.05.02.55
NRP-D-GV82-PP-0019-02.dgn	02	2,264 KB	GV8 56240+00 TO 56480+00	MicroStation V08.05.02.55
NRP-D-GV83-PP-0020-02.dgn	02	479 KB	GV8 56480+00 TO 56720+00	MicroStation V08.05.02.55
NRP-D-GV84-PP-0021-02.dgn	02	444 KB	GV8 56720+00 TO 56960+00	MicroStation V08.05.02.55
NRP-D-GV85-PP-0022-02.dgn	02	1,633 KB	GV8 56960+00 TO 57199+81	MicroStation V08.05.02.55
NRP-D-CS21-PP-0023-02.dgn	02	2,815 KB	CS2 East 6390+00 TO 6650+00	MicroStation V08.05.02.55
NRP-D-CS22-PP-0024-02.dgn	02	1,868 KB	CS2 East 6650+00 TO 6950+00	MicroStation V08.05.02.55
NRP-D-CS23-PP-0025-02.dgn	02	2,744 KB	CS2 East 6950+00 TO 7250+00	MicroStation V08.05.02.55
NRP-D-CS24-PP-0026-02.dgn	02	2,591 KB	CS2 East 7250+00 TO 7550+00	MicroStation V08.05.02.55
NRP-D-CS25-PP-0027-02.dgn	02	599 KB	CS2E/CS2W 7550+00 TO 7850+00	MicroStation V08.05.02.55
NRP-D-CS26-PP-0028-02.dgn	02	871 KB	CS2 West / SR3 7850+00 TO 8150+00	MicroStation V08.05.02.55
NRP-D-SR31-PP-0029-02.dgn	02	1,699 KB	SR3 8150+00 TO 8450+00	MicroStation V08.05.02.55
NRP-D-SR32-PP-0030-02.dgn	02	1,008 KB	SR3 / CS3 8450+00 TO 8750+00	MicroStation V08.05.02.55
NRP-D-C301-PP-0031-02.dgn	02	969 KB	CS3 8750+00 TO 9050+00	MicroStation V08.05.02.55
NRP-D-C302-PP-0032-02.dgn	02	984 KB	CS3 9050+00 TO 9350+00	MicroStation V08.05.02.55

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NRP-D-C303-PP-0033-02.dgn	02	2,026 KB	CS3 9350+00 TO 9650+00	MicroStation V08.05.02.55
NRP-D-C304-PP-0034-02.dgn	02	4,074 KB	CS3 9650+00 TO 9950+00	MicroStation V08.05.02.55
NRP-D-C305-PP-0035-02.dgn	02	1,313 KB	CS3 9950+00 TO 10250+00	MicroStation V08.05.02.55
NRP-D-C306-PP-0036-02.dgn	02	502 KB	CS3 10250+00 TO 10550+00	MicroStation V08.05.02.55
NRP-D-C307-PP-0037-02.dgn	02	410 KB	CS3 10550+00 TO 10850+00	MicroStation V08.05.02.55
NRP-D-C308-PP-0038-02.dgn	02	451 KB	CS3 10850+00 TO 11150+00	MicroStation V08.05.02.55
NRP-D-C309-PP-0039-02.dgn	02	335 KB	CS3 11150+00 TO 11450+00	MicroStation V08.05.02.55
NRP-D-C310-PP-0040-02.dgn	02	591 KB	CS3 11450+00 TO 11750+00	MicroStation V08.05.02.55
NRP-D-C311-PP-0041-02.dgn	02	191 KB	CS3 11750+00 TO 12050+00	MicroStation V08.05.02.55
NRP-D-C312-PP-0042-02.dgn	02	373 KB	CS3 12050+00 TO 12350+50	MicroStation V08.05.02.55
NRP-D-GF31-PP-0043-02.dgn	02	1,497 KB	GF3 52000+00 TO 52300+00	MicroStation V08.05.02.55
NRP-D-GF32-PP-0044-02.dgn	02	2,329 KB	GF3 52300+00 TO 52600+00	MicroStation V08.05.02.55
NRP-D-GF33-PP-0045-02.dgn	02	3,823 KB	GF3 52600+00 TO 52900+00	MicroStation V08.05.02.55
NRP-D-GF34-PP-0046-02.dgn	02	2,332 KB	GF3 52900+00 TO 53200+00	MicroStation V08.05.02.55
NRP-D-GF35-PP-0047-02.dgn	02	1,364 KB	GF3 53200+00 TO 53500+00	MicroStation V08.05.02.55
NRP-D-CS41-PP-0048-02.dgn	02	519 KB	GF3 / CS4 53500+00 TO 14000+00	MicroStation V08.05.02.55
NRP-D-CS42-PP-0049-02.dgn	02	607 KB	CS4 14000+00 TO 14259+17	MicroStation V08.05.02.55
NRP-D-BC31-PP-0050-02.dgn	02	1,047 KB	BC3 14250+00 TO 14550+00	MicroStation V08.05.02.55
NRP-D-BC32-PP-0051-02.dgn	02	1,542 KB	BC3 14550+00 TO 14850+00	MicroStation V08.05.02.55
NRP-D-BC33-PP-0052-02.dgn	02	638 KB	BC3 / CS5 14850+00 TO 15100+00	MicroStation V08.05.02.55
NRP-D-CS51-PP-0053-02.dgn	02	663 KB	CS5 15100+00 TO 15400+00	MicroStation V08.05.02.55
NRP-D-CS52-PP-0054-02.dgn	02	1,153 KB	CS5 15400+00 TO 15700+00	MicroStation V08.05.02.55
NRP-D-CS53-PP-0055-02.dgn	02	371 KB	CS5 15700+00 TO 16000+00	MicroStation V08.05.02.55
NRP-D-CS54-PP-0056-02.dgn	02	652 KB	CS5 16000+00 TO 16214+16	MicroStation V08.05.02.55

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NRP-D-OV11-PP-0057-02.dgn	02	1,475 KB	OV1 16195+95 TO 16450+00	MicroStation V08.05.02.55
NRP-D-OV12-PP-0058-02.dgn	02	3,468 KB	OV1/CS6 16450+00 TO 16750+00	MicroStation V08.05.02.55
NRP-D-CS61-PP-0059-02.dgn	02	3,049 KB	CS6 16750+00 TO 17050+00	MicroStation V08.05.02.55
NRP-D-CS62-PP-0060-02.dgn	02	1,337 KB	CS6 17050+00 TO 17350+00	MicroStation V08.05.02.55
NRP-D-CS63-PP-0061-02.dgn	02	2,983 KB	CS6 17350+00 TO 17650+00	MicroStation V08.05.02.55
NRP-D-CS64-PP-0062-02.dgn	02	2,544 KB	CS6 17650+00 TO 17950+00	MicroStation V08.05.02.55
NRP-D-CS65-PP-0063-02.dgn	02	2,224 KB	CS6 17950+00 TO 18200+13	MicroStation V08.05.02.55
NRP-D-ECC1-PP-0064-02.dgn	02	3,679 KB	Eccles 20000+00 TO 20200+00	MicroStation V08.05.02.55
NRP-D-ECC2-PP-0065-02.dgn	02	2,740 KB	Eccles 20200+00 TO 20400+00	MicroStation V08.05.02.55
NRP-D-ECC3-PP-0066-02.dgn	02	1,866 KB	Eccles 20400+00 TO 20608+10	MicroStation V08.05.02.55
NRP-D-GV11-PP-0067-02.dgn	02	4,538 KB	GV1 5523+15 TO 5800+00	MicroStation V08.05.02.55
NRP-D-GV12-PP-0068-02.dgn	02	1,005 KB	GV1 5800+00 TO 6050+00	MicroStation V08.05.02.55
NRP-D-GV13-PP-0069-02.dgn	02	563 KB	GV1 6050+00 TO 6300+00	MicroStation V08.05.02.55
NRP-D-GV14-PP-0070-02.dgn	02	994 KB	GV1 6300+00 TO 6550+00	MicroStation V08.05.02.55
NRP-D-GV15-PP-0071-02.dgn	02	717 KB	GV1 6550+00 TO 6670+02	MicroStation V08.05.02.55
NRP-D-GV21-PP-0072-02.dgn	02	1,776 KB	GV2 28027+79 TO 28300+00	MicroStation V08.05.02.55
NRP-D-GV22-PP-0073-02.dgn	02	2,044 KB	GV2 28300+00 TO 28600+00	MicroStation V08.05.02.55
NRP-D-GV23-PP-0074-02.dgn	02	654 KB	GV2 28600+00 TO 28900+00	MicroStation V08.05.02.55
NRP-D-GV24-PP-0075-02.dgn	02	1,740 KB	GV2 28900+00 TO 29190+70	MicroStation V08.05.02.55
NRP-D-SR21-PP-0076-02.dgn	02	1,401 KB	SR2 36000+00 TO 36250+00	MicroStation V08.05.02.55
NRP-D-SR22-PP-0077-02.dgn	02	1,363 KB	SR2 36250+00 TO 36500+00	MicroStation V08.05.02.55
NRP-D-SR23-PP-0078-02.dgn	02	481 KB	SR2 36500+00 TO 36618+42	MicroStation V08.05.02.55
NRP-D-GF11-PP-0079-02.dgn	02	1,452 KB	GF1 12334+64 TO 12600+00	MicroStation V08.05.02.55
NRP-D-GF12-PP-0080-02.dgn	02	2,740 KB	GF1 12600+00 TO 12900+00	MicroStation V08.05.02.55

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NRP-D-GF13-PP-0081-02.dgn	02	5,032 KB	GF1 12900+00 TO 13200+00	MicroStation V08.05.02.55
NRP-D-GF14-PP-0082-02.dgn	02	2,951 KB	GF1 13200+00 TO 13500+00	MicroStation V08.05.02.55
NRP-D-GF15-PP-0083-02.dgn	02	805 KB	GF1 13500+00 TO 13800+00	MicroStation V08.05.02.55
NRP-D-GF16-PP-0084-02.dgn	02	456 KB	GF1 13800+00 TO 13881+89	MicroStation V08.05.02.55
NRP-D-GF41-PP-0085-02.dgn	02	1,232 KB	GF4 42000+00 TO 42250+00	MicroStation V08.05.02.55
NRP-D-GF42-PP-0086-02.dgn	02	1,404 KB	GF4 42250+00 TO 42550+00	MicroStation V08.05.02.55
NRP-D-GF43-PP-0087-02.dgn	02	2,277 KB	GF4 42550+00 TO 42850+00	MicroStation V08.05.02.55
NRP-D-GF44-PP-0088-02.dgn	02	4,849 KB	GF4 42850+00 TO 43150+00	MicroStation V08.05.02.55
NRP-D-GF45-PP-0089-02.dgn	02	2,215 KB	GF4 43150+00 TO 43450+00	MicroStation V08.05.02.55
NRP-D-GF46-PP-0090-02.dgn	02	655 KB	GF4 43450+00 TO 43723+45	MicroStation V08.05.02.55
NRP-D-BC21-PP-0091-02.dgn	02	802 KB	BC2 44000+00 TO 44250+00	MicroStation V08.05.02.55
NRP-D-BC22-PP-0092-02.dgn	02	2,014 KB	BC2 44250+00 TO 44550+00	MicroStation V08.05.02.55
NRP-D-BC23-PP-0093-02.dgn	02	275 KB	BC2 44550+00 TO 44662+24	MicroStation V08.05.02.55
NRP-D-OV31-PP-0094-02.dgn	02	1,189 KB	OV3 46002+43 TO 46250+00	MicroStation V08.05.02.55
NRP-D-OV32-PP-0095-02.dgn	02	1,017 KB	OV3 46250+00 TO 46465+20	MicroStation V08.05.02.55
NRP-D-GV31-PP-0096-02.dgn	02	358 KB	GV3 29798+15 TO 29850+00	MicroStation V08.05.02.55
NRP-D-GV32-PP-0097.02.dgn	02	4,013 KB	GV3 29850+00 TO 30250+00	MicroStation V08.05.02.55
NRP-D-GV33-PP-0098-02.dgn	02	643 KB	GV3 30250+00 TO 30450+00	MicroStation V08.05.02.55
NRP-D-GV34-PP-0099-02.dgn	02	977 KB	GV3 30450+00 TO 30750+00	MicroStation V08.05.02.55
NRP-D-GV35-PP-0100-02.dgn	02	1,584 KB	GV3 30750+00 TO 31032+20	MicroStation V08.05.02.55
NRP-D-BORD-PP-0000-02.dgn	N/A	145 KB	Reference Border Sheet	MicroStation V08.05.02.55
Caliente - RAD - Task 6.pdf	N/A	85,265 KB	Complete document with all imbedded graphics — Engineered Plan and Profile Drawing Set	Adobe Acrobat 6.x

Section III. Metadata

☐ GIS Metadata All GIS data is preferred in ArcGIS9.1 UTM, NAD1983,	Projection: Datum:

BSC

Transportation Data Pedigree Form

Complete only applicable items.

Subcontractor:	Item Number/Title/Revision:	Submittal Date:	SRCT No.:
Nevada Rail Partners	Task 6 Route Alignment Definition, Exhibit "I", item number 10k, mod 15. Alignment Plan and Profile Utilizing 5-foot contour data; 11x17 (dgn/pdf) cut-sheets (Engineered Plan and Profile Drawing Set)-Final reference for use in DEIS; no changes to technical data-Drawing Scale @ 1"=2000' Revision 02. Basis for Analysis Alignment and Alternate Segments.	May 15, 2007	06-00024

Zone11, Feet.	Zone:
	Units:
☒ CAD Metadata CAD drawings are preferred in Bentley MicroStation V8 and/or InRoads and should adhere to established CAD standards.	Level descriptions: : As Per Project CAD Manual and Standards Level Convention for MicroStation V8
	Scale: 1:1 Real Size; 1"=2000' plot scale
	Units of Measurement: Feet
	Horizontal and Vertical Datum: NAD 83 / UTM Zone 11

Section IV. Data Screening (Completed by BSC personnel)

Suitable for Review?	Screener Name:	Signature:	Date:
☒ Yes* ☐ No	Cathy Stettler		

*If "Yes", Data Storage Location: nvtdata\NRP\Task 6 Route Alignment Definition\06-00024 Route Align Rev01

Comments: (Justification for rejecting submittal is required; other comments are optional.)
Apr 06\06-00024 Route Align Def 11x17 Rev 02 05-15-07

Section V. STR Disposition of Submittal

Process for Review?	** If "No", date returned:	Comments:
☒ Yes ☐ No**		

STR Name:	Signature:	Date:
Gene Allen	5/14/07	5/15/07

Engineered Plan & Profile Drawing Set
Caliente Rail Corridor

Task 6: Route Alignment Definition
Rev. 02

Document No. NRP-D-SYSW-PP-0001-02

11" X 17" Cut Sheets

Basis for Analysis Alignment & Alternate Segments

Prepared by:

Prepared for:

Nevada Rail Line Conceptual Design

Subcontract NN-HC4-00239

15 May 2007

U.S. DEPARTMENT OF ENERGY
OFFICE OF NATIONAL TRANSPORTATION

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ROUTE ALIGNMENT DEFINITION

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CONTINUOUS ALIGNMENT

CALIENTE - STATION 994+33 TO 1200+00 - SHEET 1 OF 100
CALIENTE - STATION 1200+00 TO 1400+00 - SHEET 2 OF 100
CALIENTE - STATION 1400+00 TO 1591+88 - SHEET 3 OF 100
CS1 BENNETT PASS - STATION 1600+00 TO 1900+00 - SHEET 4 OF 100
CS1 BENNETT PASS - STATION 1900+00 TO 2200+00 - SHEET 5 OF 100
CS1 BENNETT PASS - STATION 2200+00 TO 2500+00 - SHEET 6 OF 100
CS1 BENNETT PASS - STATION 2500+00 TO 2800+00 - SHEET 7 OF 100
CS1 BENNETT PASS - STATION 2800+00 TO 2950+00 - SHEET 8 OF 100
CS1 PAHROC SUMMIT- STATION 2950+00 TO 3100+00 - SHEET 9 OF 100
CS1 PAHROC SUMMIT- STATION 3100+00 TO 3400+00 - SHEET 10 OF 100
CS1 PAHROC SUMMIT- STATION 3400+00 TO 3700+00 - SHEET 11 OF 100
CS1 PAHROC SUMMIT- STATION 3700+00 TO 3932+76 - SHEET 12 OF 100
CS1/WR1 - STATION 3840+50 TO 4100+00 - SHEET 13 OF 100
CS1/WR1 - STATION 4100+00 TO 4400+00 - SHEET 14 OF 100
CS1/WR1 - STATION 4400+00 TO 4700+00 - SHEET 15 OF 100
CS1/WR1 - STATION 4700+00 TO 5000+00 - SHEET 16 OF 100
CS1/WR1 - STATION 5000+00 TO 5231+49 - SHEET 17 OF 100
GV8 - STATION 56000+00 TO 56240+00 - SHEET 18 OF 100
GV8 - STATION 56240+00 TO 56480+00 - SHEET 19 OF 100
GV8 - STATION 56480+00 TO 56720+00 - SHEET 20 OF 100
GV8 - STATION 56720+00 TO 56960+00 - SHEET 21 OF 100
GV8 - STATION 56960+00 TO 57199+81 - SHEET 22 OF 100
CS2 EAST - STATION 6390+00 TO 6650+00 - SHEET 23 OF 100
CS2 EAST - STATION 6650+00 TO 6950+00 - SHEET 24 OF 100
CS2 EAST - STATION 6950+00 TO 7250+00 - SHEET 25 OF 100
CS2 EAST - STATION 7250+00 TO 7550+00 - SHEET 26 OF 100
CS2E/CS2W - STATION 7550+00 TO 7850+00 - SHEET 27 OF 100
CS2 WEST/SR3 - STATION 7850+00 TO 8150+00 - SHEET 28 OF 100
SR3 - STATION 8150+00 TO 8450+00 - SHEET 29 OF 100
SR3/CS3 - STATION 8450+00 TO 8750+00 - SHEET 30 OF 100
CS3 - STATION 8750+00 TO 9050+00 - SHEET 31 OF 100
CS3 - STATION 9050+00 TO 9350+00 - SHEET 32 OF 100
CS3 - STATION 9350+00 TO 9650+00 - SHEET 33 OF 100
CS3 - STATION 9650+00 TO 9950+00 - SHEET 34 OF 100
CS3 - STATION 9950+00 TO 10250+00 - SHEET 35 OF 100
CS3 - STATION 10250+00 TO 10550+00 - SHEET 36 OF 100
CS3 - STATION 10550+00 TO 10850+00 - SHEET 37 OF 100
CS3 - STATION 10850+00 TO 11150+00 - SHEET 38 OF 100
CS3 - STATION 11150+00 TO 11450+00 - SHEET 39 OF 100
CS3 - STATION 11450+00 TO 11750+00 - SHEET 40 OF 100
CS3 - STATION 11750+00 TO 12050+00 - SHEET 41 OF 100
CS3 - STATION 12050+00 TO 12349+23 - SHEET 42 OF 100
GF3 - STATION 52000+00 TO 52300+00 - SHEET 43 OF 100
GF3 - STATION 52300+00 TO 52600+00 - SHEET 44 OF 100
GF3 - STATION 52600+00 TO 52900+00 - SHEET 45 OF 100
GF3 - STATION 52900+00 TO 53200+00 - SHEET 46 OF 100
GF3 - STATION 53200+00 TO 53500+00 - SHEET 47 OF 100
GF3/CS4 - STATION 53500+00 TO 14000+00 - SHEET 48 OF 100
CS4 - STATION 14000+00 TO 14259+17 - SHEET 49 OF 100
BC3 - STATION 14250+00 TO 14550+00 - SHEET 50 OF 100
BC3 - STATION 14550+00 TO 14850+00 - SHEET 51 OF 100
BC3/CS5 - STATION 14850+00 TO 15100+00 - SHEET 52 OF 100
CS5 - STATION 15100+00 TO 15400+00 - SHEET 53 OF 100
CS5 - STATION 15400+00 TO 15700+00 - SHEET 54 OF 100
CS5 - STATION 15700+00 TO 16000+00 - SHEET 55 OF 100
CS5 - STATION 16000+00 TO 16214+16 - SHEET 56 OF 100
OV1 - STATION 16195+95 TO 16450+00 - SHEET 57 OF 100
OV1/CS6 - STATION 16450+00 TO 16750+00 - SHEET 58 OF 100
CS6 - STATION 16750+00 TO 17050+00 - SHEET 59 OF 100
CS6 - STATION 17050+00 TO 17350+00 - SHEET 60 OF 100
CS6 - STATION 17350+00 TO 17650+00 - SHEET 61 OF 100
CS6 - STATION 17650+00 TO 17950+00 - SHEET 62 OF 100
CS6 - STATION 17950+00 TO 18200+13 - SHEET 63 OF 100

ALTERNATE LINE SEGMENTS

ECCLES - STATION 20000+00 TO 20200+00 - SHEET 64 OF 100
ECCLES - STATION 20200+00 TO 20400+00 - SHEET 65 OF 100
ECCLES - STATION 20400+00 TO 20608+10 - SHEET 66 OF 100
GV1 - STATION 5523+15 TO 5800+00 - SHEET 67 OF 100
GV1 - STATION 5800+00 TO 6050+00 - SHEET 68 OF 100
GV1 - STATION 6050+00 TO 6300+00 - SHEET 69 OF 100
GV1 - STATION 6300+00 TO 6550+00 - SHEET 70 OF 100
GV1 - STATION 6550+00 TO 6670+01 - SHEET 71 OF 100
GV2 - STATION 28017+79 TO 28300+00 - SHEET 72 OF 100
GV2 - STATION 28300+00 TO 28600+00 - SHEET 73 OF 100
GV2 - STATION 28600+00 TO 28900+00 - SHEET 74 OF 100
GV2 - STATION 28900+00 TO 29190+78 - SHEET 75 OF 100
SR2 - STATION 36000+00 TO 36250+00 - SHEET 76 OF 100
SR2 - STATION 36250+00 TO 36500+00 - SHEET 77 OF 100
SR2 - STATION 36500+00 TO 36618+42 - SHEET 78 OF 100
GF1 - STATION 12334+64 TO 12600+00 - SHEET 79 OF 100
GF1 - STATION 12600+00 TO 12900+00 - SHEET 80 OF 100
GF1 - STATION 12900+00 TO 13200+00 - SHEET 81 OF 100
GF1 - STATION 13200+00 TO 13500+00 - SHEET 82 OF 100
GF1 - STATION 13500+00 TO 13800+00 - SHEET 83 OF 100
GF1 - STATION 13800+00 TO 13881+89 - SHEET 84 OF 100
GF4 - STATION 42000+00 TO 42250+00 - SHEET 85 OF 100
GF4 - STATION 42250+00 TO 42550+00 - SHEET 86 OF 100
GF4 - STATION 42550+00 TO 42850+00 - SHEET 87 OF 100
GF4 - STATION 42850+00 TO 43150+00 - SHEET 88 OF 100
GF4 - STATION 43150+00 TO 43450+00 - SHEET 89 OF 100
GF4 - STATION 43450+00 TO 43723+45 - SHEET 90 OF 100
BC2 - STATION 44000+00 TO 44250+00 - SHEET 91 OF 100
BC2 - STATION 44250+00 TO 44550+00 - SHEET 92 OF 100
BC2 - STATION 44550+00 TO 44662+24 - SHEET 93 OF 100
OV3 - STATION 46001+43 TO 46250+00 - SHEET 94 OF 100
OV3 - STATION 46250+00 TO 46465+20 - SHEET 95 OF 100
GV3 - STATION 29798+15 TO 29850+00 - SHEET 96 OF 100
GV3 - STATION 29850+00 TO 30150+00 - SHEET 97 OF 100
GV3 - STATION 30150+00 TO 30450+00 - SHEET 98 OF 100
GV3 - STATION 30450+00 TO 30750+00 - SHEET 99 OF 100
GV3 - STATION 30750+00 TO 31032+20 - SHEET 100 OF 100

NOTE: THE BASIS FOR ANALYSIS ALIGNMENT IS REFERRED TO AS CONTINUOUS ALIGNMENT.

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: CTS	
DESIGNATION: RLH	
CHECKER: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

INDEX OF DRAWINGS

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-IND1-PP-0101-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET: 1 OF 1

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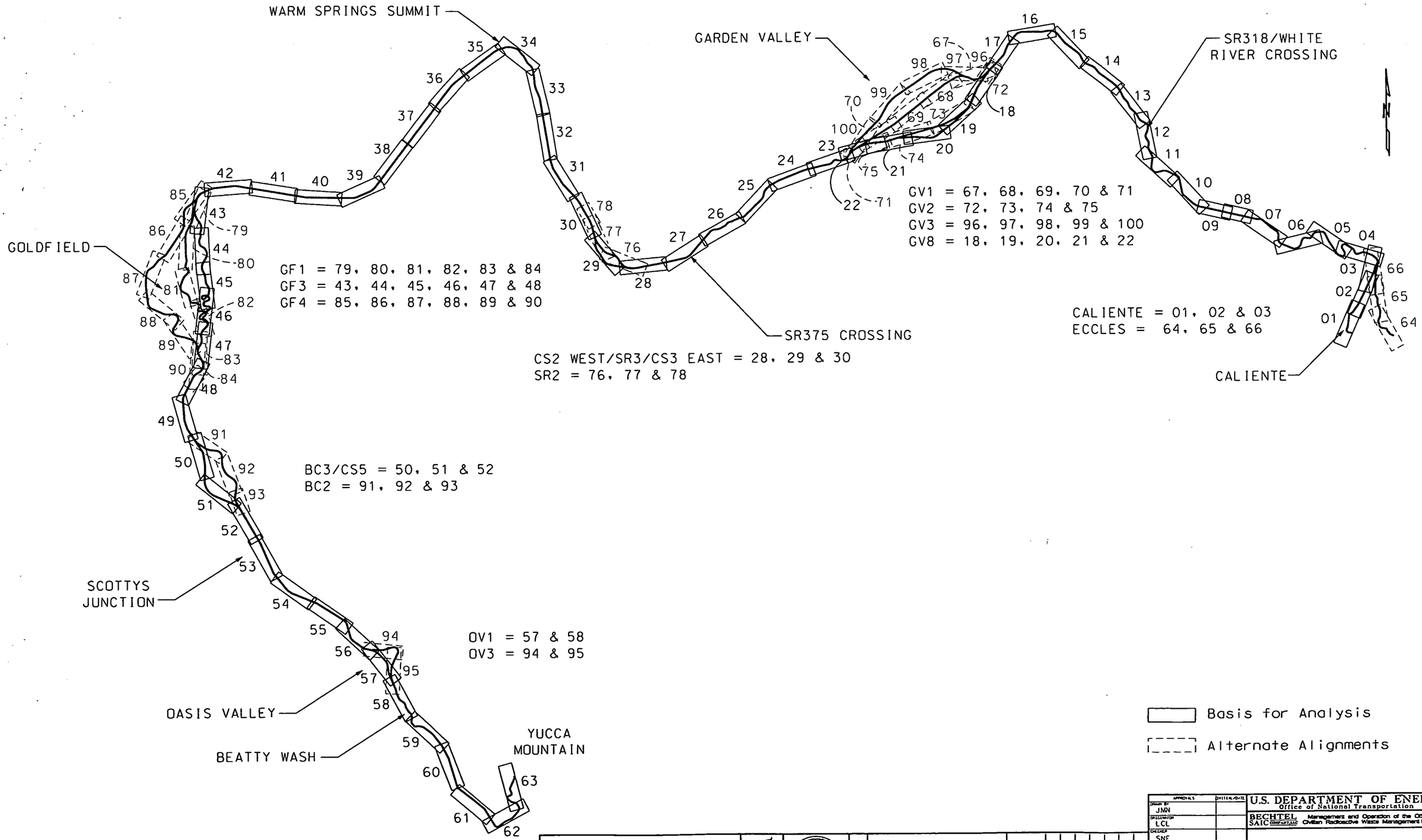

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REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	SIGNATURE/DATE
Drawn BY: JMN	
DESIGNATOR: LCL	
CHECKER: SNE	
VERIFICATION: JRC	
DESIGN TEAM LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

MASTER KEY MAP

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-KEY1-PP-0102-02	02
SAFETY CATEGORY	CAD SOFTWARE	MICROSTATION V08.05.02.55	SHEET 1 OF 1

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U.S. DEPARTMENT OF ENERGY
OFFICE OF NATIONAL TRANSPORTATION

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ROUTE ALIGNMENT DEFINITION

NOTES

1. DESIGNERS DEVELOPED ALIGNMENTS DEPICTED HEREIN IS BASED ON NEW 5' CONTOUR MAPPING DATA BSC SUPPLIED TO NRP.
2. TRACKS ON PLAN AND PROFILE DRAWINGS ARE INDICATED BY CENTERLINE OF TRACK.
3. REFER TO THE HORIZONTAL CURVE DATA SHEET FOR TRACK GEOMETRY AND STATIONING.
4. ALL GRADIENTS ARE IN PERCENT UNLESS NOTED OTHERWISE.
5. ORIGINAL GROUND SHOWN ON PROFILES REFERS TO THE APPROXIMATE GROUND LINE AT THE DESIGNATED CENTERLINE.
6. ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE.
7. PASSING SIDING LAYOUTS AND BRIDGES ARE NOT TO SCALE.
8. FUTURE ROADWAY AT-GRADE CROSSING ACROSS NRL WILL BE ON A SITE-SPECIFIC BASIS AND WILL INCLUDE ATTENTION TO: LOCATION WITH RESPECT TO RAILROAD CUTS AND FILLS, CONNECTIONS TO AND USE OF PROPOSED AND PARALLEL NRL ACCESS ROADS (WITH BARRIERS AS APPROPRIATE), AND DRIVER SIGHT DISTANCES. ROADWAY DESIGN WILL BE BY CURRENT BLM STANDARDS FOR RURAL ROADS; AND AT-GRADE CROSSINGS WILL BE BY CURRENT RAILROAD STANDARDS WITH CONCRETE PANELS.
9. RESOLUTION BETWEEN APPROXIMATE ROW FOR NRL WHERE IT MAY IMPACT EXISTING ROADWAY ROW'S FORTHCOMING IN FUTURE DESIGN WORK. APPROXIMATE ROW WIDTHS ARE BASED ON THE FOLLOWING ASSUMPTION: ACROSS BLM LANDS, ROW WIDTH WILL BE 500' ON EACH SIDE OF NRL CENTERLINE; ON PRIVATE PROPERTY ROW WIDTH WILL BE BASED ON AMOUNT OF CUT OR FILL (WIDTH ROUNDED UP TO THE NEAREST 100') WITH AN ADDITIONAL 100' ADDED FOR CONSTRUCTION PURPOSES. ROW FOR NRL WILL AVOID PROPERTIES OF USFS, WSA, NTTR, AND EXISTING COUNTY ROAD ROW'S. MINIMUM TOTAL WIDTH OF ROW FOR NRL THROUGH WETLANDS (E.G., CALIENTE SEGMENT) IS 100' MINIMUM TOTAL WIDTH; IN ALL OTHER LOCATIONS IT WILL BE 200'. FINAL ROW REQUIREMENTS WILL BE DETERMINED WHEN RAILROAD ALIGNMENT AND PROFILE IS COMPLETE.
10. 100-YEAR PEAK FLOW RATES (Q) IN CUBIC FEET PER SECOND WERE DETERMINED FROM WATERSHED AREAS. A REGRESSION RELATIONSHIP WAS DEVELOPED USING PREVIOUS STUDIES RELATING WATERSHED AREAS TO PEAK DISCHARGES. NATIVE UNOBSTRUCTED FLOOD PLAN WIDTHS AND DEPTHS FOR THE 100-YEAR FLOWS WERE DETERMINED FOR EACH ALIGNMENT CROSSING USING HEC-RAS MODELING. STRUCTURES WERE THEN APPROPRIATELY SIZED.

LEGEND

- NRL CENTERLINE
- APPROXIMATE NRL ROW
- OTHER PROPERTY BOUNDARY (NTTR, USFS, BLM-WSA AND PRIVATE)
- COUNTY LINE
- PAVED ROADS (US6,US93,US95,SR318,SR375,AR504 AND BEAVER DAM ROAD)
- GRAVEL OR EARTH ROADS (ALL OTHERS)
- HIGH-VOLTAGE TRANSMISSION LINES (EXISTING)
- UTILITY POLES (EXISTING)
- CONTOUR LINES (INTERVALS = 25 FT.)
- SUMMIT
- BRIDGE
- STREAMS (GENERALLY "YEAR ROUND")
- STREAMS (INTERMITTENT)

ABBREVIATIONS

BLM - BUREAU OF LAND MANAGEMENT
DOE - DEPARTMENT OF ENERGY
EL - ELEVATION
HV - HIGH VOLTAGE
No. - NUMBER
NTTR - NEVADA TEST AND TRAINING RANGE (US AIR FORCE)
POB - POINT OF BEGINNING
POE - POINT OF ENDING
PC - POINT OF CURVE
PT - POINT OF TANGENT
PVC - POINT OF VERTICAL CURVE
PVT - POINT OF VERTICAL TANGENT
PVI - POINT OF VERTICAL INTERSECTION
RFEIS - REPOSITORY FINAL ENVIRONMENTAL IMPACT STATEMENT
SHT - SHEET
USFS - UNITED STATES FOREST SERVICE
WSA - WILDERNESS STUDY & WILDERNESS AREAS (BLM)

LINE SEGMENTS

BC - BONNIE CLAIR
BW - BEATTY WASH
CS - COMMON SEGMENT
GF - GOLDFIELD
GV - GARDEN VALLEY
OV - OASIS VALLEY
SR - SOUTH REVEILLE
WR - WHITE RIVER

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
Drawn By: CTS	
Originator: RLH	
Checker: SNE	
Verification: JRC	
Design Lead Engineer: LEM	
Quality Engineering Rep: TMS	
Project Engineer: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

NOTES & ABBREVIATIONS

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-O-NOTE-PP-0103-02	02
SAFETY CATEGORY	CAD SOFTWARE	MICROSTATION V08.05.02.55	SHEET 1 OF 1

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CALIENTE SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
994+33	POB				
		375			
998+08	PI				
		342			
1001+50	PC				
			250	4°00'03"	1432
1003+99	PT				
		329			
1007+28	PC				
			342	4°00'03"	1432
1010+70	PT				
		622			
1016+92	PC				
			872	4°00'00"	1433
1025+64	PT				
		145			
1028+63	PC				
			1644	3°30'00"	1637
1045+07	PT				
		1308			
1058+16	PC				
			678	2°00'00"	2865
1064+94	PT				
		414			
1069+08	PC				
			214	0°45'00"	7639
1071+22	PT				
		6649			
1137+70	PC				
			1308	4°00'00"	1433
1150+78	PT				
		1519			
1165+97	PC				
			573	4°00'00"	1433
1171+70	PT				
		5265			
1224+35	PC				
			918	1°00'00"	5730
1233+53	PT				
		5965			
1293+19	PC				
			726	0°15'00"	22918
1300+45	PT				
		22749			
1527+94	PC				
			5014	1°30'00"	3820
1578+08	PT				
		1381			
1591+88	POE				

CS1 BENNET PASS SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
1600+00	POB				
		518			
1605+18	PC				
			1945	1^00'00"	5730
1624+63	PT				
		3650			
1661+13	PC				
			3012	1^20'00"	4297
1691+24	PT				
		2504			
1716+28	PC				
			2126	4^00'00"	1433
1737+53	PT				
		1814			
1755+67	PC				
			1775	2^00'00"	2865
1773+42	PT				
		5055			
1823+97	PC				
			4496	3^20'00"	1719
1868+92	PT				
		3168			
1900+60	PC				
			5001	3^00'00"	1910
1950+61	PT				
		1715			
1967+76	PC				
			1349	2^00'00"	2865
1981+24	PT				
		9977			
2081+01	PC				
			691	1^00'00"	5730
2087+92	PT				
		4398			
2131+90	PC				
			3320	2^10'00"	2645
2165+10	PT				
		3328			

CS1 BENNET PASS SEGMENT (CONT.)

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
2198+38	PC				
			2501	2^10'00"	2645
2223+38	PT				
		1677			
2240+15	PC				
			2334	3^00'00"	1910
2263+49	PT				
		2002			
2283+50	PC				
			3296	2^30'00"	2292
2316+47	PT				
		2508			
2341+55	PC				
			7223	1^20'00"	4297
2413+77	PT				
		7548			
2489+25	PC				
			4453	1^40'00"	3438
2533+78	PT				
		1648			
2550+25	PC				
			4113	1^30'00"	3820
2591+38	PT				
		3678			
2628+16	PC				
			1492	0^30'00"	11459
2643+08	PT				
		5900			
2702+08	PC				
			1855	2^00'00"	2865
2720+62	PT				
		3007			
2750+69	PC				
			780	1^00'00"	5730
2758+49	PT				
		19151			
2950+00	POE				

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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE	DRN	CHK	ENG	DLE	QCP	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07						
01	ISSUED FOR DEIS REFERENCE	4/13/06						

APPROVALS	INITIALS/DATE
Drawn By: CTS	
Originator: RLH	
Checked: SNE	
Verification: JRC	
Design Lead Engineer: LEM	
Quality Engineering Rep: TMS	
Project Engineer: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-
HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-0-C001-PP-0104-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET: 1 OF 11

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CS1 PAHROC SUMMIT SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
2950+00	POB				
		17597			
3125+97	PC				
			5700	0^30'00"	11459
3182+96	PT				
		7647			
3259+43	PC				
			2298	1^40'00"	3438
3282+41	PT				
		7558			
3358+00	PC				
			5177	1^00'00"	5730
3409+76	PT				
		4593			
3455+70	PC				
			4899	0^50'00"	6876
3504+69	PT				
		2837			
3533+06	PC				
			6573	1^40'00"	3438
3598+79	PT				
		5748			
3656+26	PC				
			1994	1^40'00"	3438
3676+21	PT				
		4421			
3720+42	PC				
			1973	2^00'00"	2865
3740+15	PT				
		1089			
3751+04	PC				
			2086	2^00'00"	2865
3771+90	PT				
		2807			
3799+97	PC				
			2576	2^00'00"	2865
3825+73	PT				
		2088			
3846+60	PC				
			1484	1^00'00"	5730
3861+45	PT				
		1515			
3876+59	PC				
			2832	2^30'00"	2292
3904+91	PT				
		2785			
3932+76	POE				

CS1/WR1 SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
3840+50	POB				
		301			
3843+51	PC				
			981	1°30'00"	3820
3853+32	PT				
		737			
3860+69	PC				
			1238	2°00'00"	2865
3873+07	PT				
		534			
3878+41	PC				
			452	2°00'00"	2865
3882+93	PT				
		2133			
3904+26	PC				
			996	1°30'00"	3820
3914+20	PT				
		4360			
3957+80	PC				
			1343	2°00'00"	2865
3971+23	PT				
		1840			
3989+63	PC				
			2100	1°00'00"	5730
4010+63	PT				
		1838			
4029+01	PC				
			2563	0°40'00"	8594
4054+64	PT				
		2115			
4075+79	PC				
			562	1°20'00"	4297
4081+41	PT				
		2862			
4110+03	PC				
			2700	0°40'00"	8594
4137+03	PT				
		3376			
4170+79	PC				
			1123	0°30'00"	11459
4182+02	PT				
		8043			
4262+45	PC				
			2653	0°40'00"	8594

CS1/WR1 SEGMENT (CONT.)

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
4288+98	PT				
		2833			
4317+31	PC				
			3040	1°00'00"	5730
4347+71	PT				
		3247			
4380+18	PC				
			4159	1°00'00"	5730
4421+77	PT				
		2891			
4450+68	PC				
			3822	0°40'00"	8594
4488+90	PT				
		9435			
4583+25	PC				
			1390	1°00'00"	5730
4597+15	PT				
		6509			
4662+24	PC				
			7247	0°50'00"	6876
4734+71	PT				
		3584			
4770+55	PC				
			2199	0°30'00"	11459
4792+54	PT				
		3710			
4829+64	PC				
			1148	0°20'00"	17189
4841+12	PT				
		6793			
4909+05	PC				
			5017	1°00'00"	5730
4959+22	PT				
		6769			
5026+91	PC				
			2587	0°40'00"	8594
5052+78	PT				
		4720			
5099+98	PC				
			2259	1°00'00"	5730
5122+57	PT				
		10892			
5231+49	POE				

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DATE
Drawn BY CTS	
DESIGNATOR RLH	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-0-CD02-PP-0105-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 2 OF 11

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GV8 SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
56000+00	POB				
		1658			
56016+58	PC				
			899	1°00'00"	5730
56025+57	PT				
		12038			
56145+95	PC				
			2391	0°30'00"	11459
56169+87	PT				
		11899			
56288+86	PC				
			2275	1°00'00"	5730
56311+61	PT				
		11062			
56422+23	PC				
			713	1°00'00"	5730
56429+36	PT				
		15549			
56584+85	PC				
			5448	0°45'00"	7639
56639+33	PT				
		8741			
56726+74	PC				
			2637	0°15'00"	22918
56753+11	PT				
		8811			
56841+22	PC				
			1362	1°00'00"	5730
56854+84	PT				
		6866			
56923+50	PC				
			1575	0°45'00"	7639
56939+25	PT				
		6481			
57004+06	PC				
			955	0°30'00"	11459
57013+61	PT				
		4316			
57056+77	PC				
			1036	1°15'00"	4584
57067+13	PT				
		4552			
57112+65	PC				
			986	0°45'00"	7639
57122+51	PT				
		2861			
57151+11	PC				
			2165	1°00'00"	5730
57172+77	PT				
		2704			
57199+81	POE				

CS2 EAST SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
6390+00	POB				
		2459			
6414+59	PC				
			1872	2°00'00"	2865
6433+31	PT				
		1436			
6447+67	PC				
			2828	1°05'00"	5289
6475+95	PT				
		536			
6481+31	PC				
			2283	2°45'00"	2084
6504+14	PT				
		1513			
6519+27	PC				
			2333	1°30'00"	3820
6542+60	PT				
		4091			
6583+51	PC				
			848	0°15'00"	22918
6591+99	PT				
		10581			
6697+80	PC				
			1654	0°30'00"	11459
6714+34	PT				
		16170			
6876+04	PC				
			1409	0°20'00"	17189
6890+13	PT				
		4662			
6936+75	PC				
			2629	0°40'00"	8594
6963+04	PT				
		2802			

CS2 EAST SEGMENT (CONT.)

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
6991+06	PC				
			3271	1°00'00"	5730
7023+77	PT				
		1527			
7039+04	PC				
			3248	1°00'00"	5730
7071+52	PT				
		14999			
7221+51	PC				
			1894	1°30'00"	3820
7240+45	PT				
		2287			
7263+32	PC				
			1647	0°30'00"	11459
7279+79	PT				
		3731			
7317+10	PC				
			818	1°30'00"	3820
7325+28	PT				
		1056			
7335+84	PC				
			1518	2°30'00"	2292
7351+02	PT				
		1280			
7363+82	PC				
			1585	1°20'00"	4297
7379+67	PT				
		2550			
7405+17	PC				
			1902	1°00'00"	5730
7424+19	PT				
		3285			
7457+04	PC				
			2802	1°25'00"	4045
7485+06	PT				
		12256			
7607+62	POE				

CS2 WEST SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
7600+00	POB				
		7032			
7670+32	PC				
			5527	0°40'00"	8594
7725+59	PT				
		14041			
7866+00	PC				
			428	0°30'00"	11459
7870+28	PT				
		12972			
8000+00	POE				

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

REV	DESCRIPTION	DATE	DRN	CHC	CHK	HCR	DLE	QCR	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

DESIGNED BY	CTS
DRAFTED BY	RLH
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-
HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-CD03-PP-0106-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 3 OF 11

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SR3 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
8000+00	POB				
		4988			
8049+88	PC				
			4019	0°30'00"	11459
8090+07	PT				
		12966			
8219+73	PC				
			5325	0°55'00"	6251
8272+97	PT				
		5350			
8326+47	PC				
			265	1°45'00"	3274
8329+12	PT				
		1812			
8347+25	PC				
			2449	0°45'00"	7639
8371+73	PT				
		1087			
8382+60	PC				
			1393	1°30'00"	3820
8396+53	PT				
		1235			
8408+88	PC				
			3465	0°30'00"	11459
8443+53	PT				
		7320			
8516+73	PC				
			4537	0°20'00"	17189
8562+11	PT				
		8789			
8650+00	POE				

CS3 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
8650+00	POB				
		4641			
8696+41	PC				
			4086	0°20'00"	17189
8737+27	PT				
		11611			
8853+38	PC				
			3410	0°20'00"	17189
8887+48	PT				
		9437			
8981+85	PC				
			1461	1°00'00"	5730
8996+46	PT				
		4289			
9039+34	PC				
			1512	0°30'00"	11459
9054+46	PT				
		38962			
9444+08	PC				
			4206	0°20'00"	17189
9486+14	PT				
		4001			
9526+15	PC				
			3829	0°30'00"	11459
9564+44	PT				
		3567			
9600+11	PC				
			1174	0°30'00"	11459
9611+85	PT				
		EQN			
9662+27	PC				
			3997	1°00'00"	5730
9702+24	PT				
		1165			
9713+89	PC				
			2286	1°00'00"	5730
9736+75	PT				
		2177			
9758+52	PC				
			2791	0°30'00"	11459
9786+43	PT				
		703			

CS3 SEGMENT (CONT.)					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
9793+46	PC				
			1108	0°30'00"	11459
9804+54	PT				
		1285			
9817+39	PC				
			4147	1°00'00"	5730
9858+86	PT				
		2262			
9881+48	PC				
			4351	0°40'00"	8595
9924+99	PT				
		2224			
9947+23	PC				
			6487	0°20'00"	17189
10012+10	PT				
		32862			
10340+72	PC				
			3021	0°30'00"	11459
10370+93	PT				
		83003			
11200+96	PC				
			5886	0°30'00"	11459
11259+82	PT				
		7648			
11336+30	PC				
			4958	0°30'00"	11459
11385+88	PT				
		29330			
11679+18	PC				
			1757	0°30'00"	11459
11696+75	PT				
		44027			
12137+02	PC				
			3191	0°30'00"	11459
12168+93	PT				
		11711			
12286+04	PC				
			3748	0°30'00"	11459
12323+52	PT				
		2698			
12350+50	POE				

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

	APPROVALS	INITIAL/DATE
DRAWN BY	CTS	
DESIGNATION	RLH	
CHECKER	SNE	
VERIFICATION	JRC	
DESIGN LEAD ENGINEER	LEM	
QUALITY ENGINEERING REP	TMS	
PROJECT ENGINEER	JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-CD04-PP-0107-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 4 OF 11

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GF3 SEGEMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
52000+00	POB				
		2926			
52029+26	PC				
			5070	1^00'00"	5730
52079+96	PT				
		4917			
52129+13	PC				
			10480	0^30'00"	11459
52233+93	PT				
		1341			
52247+35	PC				
			5397	1^00'00"	5730
52301+32	PT				
		1313			
52314+45	PC				
			1153	2^00'00"	2865
52325+97	PT				
		1058			
52336+55	PC				
			1389	2^00'00"	2865
52350+44	PT				
		1637			
52366+81	PC				
			1668	2^00'00"	2865
52383+49	PT				
		1444			
52397+93	PC				
			1541	3^00'00"	1910
52413+34	PT				
		1819			
52431+53	PC				
			1525	2^00'00"	2865
52446+78	PT				
		1206			
52458+84	PC				
			4524	1^15'00"	4584
52504+08	PT				
		4375			
52547+83	PC				
			5182	1^00'00"	5730
52599+65	PT				
		2737			
52627+02	PC				
			1573	1^00'00"	5730

GF3 SEGMENT (Cont.)					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
52642+75	PT				
		3731			
52680+06	PC				
			1831	1^25'00"	4045
52698+37	PT				
		1430			
52712+67	PC				
			2828	1^25'00"	4045
52740+95	PT				
		1969			
52760+64	PC				
			2116	3^50'00"	1495
52781+80	PT				
		2145			
52803+25	PC				
			1377	6^00'00"	955
52817+01	PT				
		440			
52821+41	PC				
			2332	6^00'00"	955
52844+72	PT				
		1772			
52862+44	PC				
			2164	5^30'00"	1042
52884+07	PT				
		515			
52889+22	PC				
			1764	5^00'00"	1146
52906+86	PT				
		2142			
52928+28	PC				
			1186	5^00'00"	1146
52940+14	PT				
		772			
52947+86	PC				
			1880	5^00'00"	1146
52966+66	PT				
		2744			
52994+10	PC				
			2289	6^00'00"	955

GF3 SEGMENT (Cont.)					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
53016+97	PT				
		5638			
53073+35	PC				
			1810	1^00'00"	5730
53091+45	PT				
		711			
53098+56	PC				
			2750	5^00'00"	1146
53126+05	PT				
		1029			
53136+34	PC				
			1351	4^00'00"	1433
53149+85	PT				
		1969			
53169+54	PC				
			2992	3^00'00"	1910
53199+45	PT				
		3268			
53232+14	PC				
			5532	1^00'00"	5730
53287+45	PT				
		921			
53296+66	PC				
			4108	1^00'00"	5730
53337+74	PT				
		2493			
53362+66	PC				
			4571	1^15'00"	4584
53408+37	PT				
		5243			
53460+80	PC				
			8922	1^00'00"	5730
53550+01	PT				
		1281			
53562+82	PC				
			3612	1^00'00"	5730
53598+94	PT				
		4191			
53640+85	POE				

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE	ORIG	CHKD	CHKR	VER	DLE	DES	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

APPROVALS	INITIAL/DATE
DRAWN BY: CTS	
ORIGINATOR: RLH	
CHECKER: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-C005-PP-0108-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET: 5 OF 11

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CS4 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
13880+00	POB				
		10039			
13980+39	PC				
			3042	1°00'00"	5730
14010+81	PT				
		12271			
14133+52	PC				
			1302	1°00'00"	5730
14146+54	PT				
		4716			
14193+70	PC				
			1583	1°00'00"	5730
14209+52	PT				
		4965			
14259+17	POE				

BC3 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
14250+00	POB				
		11691			
14366+91	PC				
			2511	1°00'00"	5730
14392+02	PT				
		6520			
14457+23	PC				
			3189	0°20'00"	17189
14489+12	PT				
		7363			
14562+75	PC				
			13841	0°30'00"	11459
14701+17	PT				
		12738			
14828+55	PC				
			7337	0°30'00"	11459
14901+92	PT				
		0			
14901+92	POE				

CS5 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
14901+92	POB				
		24637			
15148+29	PC				
			1362	0°30'00"	11459
15161+92	PT				
		19520			
15357+11	PC				
			1545	1°00'00"	5730
15372+56	PT				
		12425			
15496+81	PC				
			5846	0°30'00"	11459
15555+27	PT				
		16416			
15719+44	PC				
			999	1°00'00"	5730
15729+42	PT				
		20541			
15934+83	PC				
			4298	1°00'00"	5730
15977+81	PT				
		7586			
16053+67	PC				
			3885	1°00'00"	5730
16092+52	PT				
		7212			
16164+65	PC				
			2426	1°00'00"	5730
16188+91	PT				
		2525			
16214+16	POE				

OV1 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
16195+95	POB				
		1190			
16207+85	PC				
			6991	0°30'00"	11459
16277+76	PT				
		4977			
16327+53	PC				
			3516	1°00'00"	5730
16362+69	PT				
		4376			
16406+45	PC				
			1520	1°00'00"	5730
16421+65	PT				
		9851			
16520+16	POE				

CS6 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
16520+16	POB				
		1138			
16531+53	PC				
			543	2°00'00"	2865
16536+96	PT				
		2274			
16559+70	PC				
			664	2°00'00"	2865
16566+35	PT				
		3152			
16597+86	PC				
			1332	2°15'00"	2547
16611+19	PT				
		2759			
16638+77	PC				
			1289	3°00'00"	1910
16651+66	PT				
		1755			
16669+21	PC				
			1307	1°15'00"	4584
16682+28	PT				
		2727			
16709+55	PC				
			646	3°00'00"	1910
16716+01	PT				
		848			
16724+49	PC				
			1527	3°00'00"	1910
16739+76	PT				
		1872			
16758+49	PC				
			878	2°00'00"	2865
16767+27	PT				
		1480			
16782+07	PC				
			1193	4°15'00"	1348
16794+00	PT				
		2342			
16817+42	PC				
			1405	5°00'00"	1146
16831+47	PT				
		730			
16838+77	PC				
			1121	3°00'00"	1910

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DATE/INITIALS
DRAWN BY CTS	
DESIGNED RLH	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-
HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-CD06-PP-0109-02	02
SAFETY CATEGORY	CAD SOFTWARE: MICROSTATION V08.05.02.55		SHEET 6 OF 11

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CS6 SEGMENT (CONT.)					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
16849+98	PT				
		2517			
16875+16	PC				
			1211	2°00'00"	2865
16887+27	PT				
		5779			
16945+06	PC				
			2696	0°30'00"	11459
16972+02	PT				
		7210			
17044+13	PC				
			2256	0°30'00"	11459
17066+68	PT				
		7627			
17142+96	PC				
			1098	1°00'00"	5730
17153+93	PT				
		17795			
17331+89	PC				
			3596	1°00'00"	5730
17367+85	PT				
		19413			
17561+98	PC				
			3167	0°40'00"	8594
17593+65	PT				
		11413			
17707+79	PC				
			3172	3°00'00"	1910
17739+51	PT				
		4468			
17784+19	PC				
			1212	1°00'00"	5730

CS6 SEGMENT (CONT.)					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
17796+31	PT				
		3207			
17828+38	PC				
			2495	1°00'00"	5730
17853+33	PT				
		4905			
17902+38	PC				
			3681	2°00'00"	2865
17939+19	PT				
		1224			
17951+42	PC				
			2216	2°00'00"	2865
17973+58	PT				
		1708			
17990+66	PC				
			1395	2°00'00"	2865
18004+61	PT				
		2135			
18025+96	PC				
			2297	5°00'00"	1146
18048+92	PT				
		1673			
18065+65	PC				
			1801	5°00'00"	1146
18083+65	PT				
		2263			
18106+28	PC				
			1222	4°00'00"	1433
18118+50	PT				
		6963			
18188+13	PC				
			824	6°00'00"	955
18196+37	PT				
		376			
18200+13	POE				

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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

REV	DESCRIPTION	DATE	DRN	CHK	CHK	HOR	CLE	CER	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

APPROVALS	INITIAL/DATE
Drawn By: CTS	
Originator: RLH	
Checker: SNE	
Verification: JRC	
Design Lead Engineer: LEM	
Quality Engineering Rep: TMS	
Project Engineer: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-
HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-CD07-PP-0110-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET: 7 OF 11

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ECCLES SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
20000+00	POB				
		2361			
20023+61	PC				
			610	6^00'00"	955
20029+71	PT				
		942			
20039+13	PC				
			458	6^00'00"	955
20043+71	PT				
		400			
20047+71	PC				
			839	6^00'00"	955
20056+09	PT				
		400			
20060+09	PC				
			1247	6^00'00"	955
20072+56	PT				
		2531			
20098+80	PC				
			2214	3^00'00"	1910
20120+93	PT				
		741			
20128+34	PC				
			591	1^00'00"	5730
20134+25	PT				
		902			
20143+27	PC				
			2476	2^00'00"	2865
20168+03	PT				
		786			
20175+89	PC				
			1372	2^00'00"	2865
20189+61	PT				
		794			
20197+54	PC				
			690	1^00'00"	5730
20204+44	PT				
		895			
20213+40	PC				
			1583	1^30'00"	3820
20229+23	PT				
		1365			
20242+88	PC				
			666	2^00'00"	2865
20249+54	PT				
		1022			

ECCLES SEGMENT (CONT.)

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
20259+76	PC				
			1044	2^00'00"	2865
20270+20	PT				
		1658			
20286+78	PC				
			716	2^00'00"	2865
20293+94	PT				
		941			
20303+35	PC				
			869	4^00'00"	1433
20312+04	PT				
		2178			
20333+82	PC				
			1496	2^00'00"	2865
20348+78	PT				
		14293			
20491+71	PC				
20491+71	PC				
			647	4^00'00"	1433
20498+18	PT				
		871			
20506+89	PC				
			1266	4^00'00"	1433
20519+55	PT				
		3976			
20559+31	PC				
			1280	4^00'00"	1433
20572+11	PT				
		727			
20579+38	PC				
			1255	2^00'00"	2865
20591+94	PT				
		1617			
20608+10	POE				

GV1 SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
5523+15	POB				
		5754			
5580+70	PC				
			2575	0°30'00"	11459
5606+45	PT				
		1649			
5622+93	PC				
			1760	1°30'00"	3820
5640+54	PT				
		1774			
5658+27	PC				
			3124	1°10'00"	4911
5689+51	PT				
		696			
5696+47	PC				
			1710	0°49'56"	6886
5713+57	PT				
		1916			
5732+73	PC				
			6023	0°45'00"	7639
5792+96	PT				
		7971			
5872+67	PC				
			2000	0°25'00"	13751
5892+67	PT				
		40640			
6299+07	PC				
			1248	0°30'00"	11459
6311+55	PT				
		30465			
6616+20	PC				
			3360	0°35'00"	9822
6649+79	PT				
		2022			
6670+01	POE				

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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE	DRN	CHK	ENG	MGR	QLE	QCR	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

APPROVALS	INITIAL/DATE
Drawn By: CTS	
Designer: RLH	
Checker: SNE	
Verification: JRC	
Design Lead Engineer: LEM	
Quality Engineering Rep: TMS	
Project Engineer: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

ALTERNATE ALIGNMENTS- HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-0-CD08-PP-0111-02	02
SAFETY CATEGORY	CAD SOFTWARE	MICROSTATION V08.05.02.55	SHEET 8 OF 11

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GV2 SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
28017+79	POB				
		1658			
28034+37	PC				
			899	1°00'00"	5730
28043+36	PT				
		12876			
28172+12	PC				
			2214	0°30'00"	11459
28194+26	PT				
		11632			
28310+58	PC				
			2872	1°00'00"	5730
28339+30	PT				
		9144			
28430+74	PC				
			1424	0°45'00"	7639
28444+98	PT				
		6175			
28506+73	PC				
			1206	0°45'00"	7639
28518+80	PT				
		9284			
28611+64	PC				
			519	0°30'00"	11459
28616+84	PT				
		16445			
28781+29	PC				
			559	0°15'00"	22918
28786+87	PT				
		12760			
28914+47	PC				
			1575	0°45'00"	7639
28930+22	PT				
		6481			
28995+03	PC				
			955	0°30'00"	11459
29004+58	PT				
		4316			
29047+74	PC				
			1036	1°15'00"	4584
29058+10	PT				
		4552			
29103+62	PC				
			986	0°45'00"	7639
29113+48	PT				
		2861			
29142+09	PC				
			2165	1°00'00"	5730
29163+74	PT				
		2704			
29190+78	POE				

SR2 SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
36000+00	POB				
		4178			
36041+78	PC				
			3166	0°30'00"	11459
36073+44	PT				
		2037			
36093+81	PC				
			7121	0°45'00"	7639
36165+01	PT				
		2246			
36187+47	PC				
			1431	0°40'00"	8594
36201+79	PT				
		500			
36206+79	PC				
			1488	2°00'00"	2865
36221+66	PT				
		4731			
36268+97	PC				
			4191	0°45'00"	7639
36310+88	PT				
		4952			
36360+40	PC				
			4964	0°30'00"	11459
36410+03	PT				
		7512			
36485+15	PC				
			4537	0°20'00"	17189
36530+52	PT				
		8790			
36618+42	POE				

GF1 SEGMENT

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
12334+64	POB				
		2926			
12363+90	PC				
			5070	1^00'00"	5730
12414+60	PT				
		6670			
12481+29	PC				
			1152	0^30'00"	11459
12492+81	PT				
		4827			
12541+09	PC				
			2518	0^30'00"	11459
12566+27	PT				
		1046			
12576+73	PC				
			1602	0^30'00"	11459
12592+75	PT				
		4839			
12641+14	PC				
			1500	1^15'00"	4584

GF1 SEGMENT (Cont.)

STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
12656+14	PT				
		896			
12665+10	PC				
			1946	0^30'00"	11459
12684+56	PT				
		2390			
12708+46	PC				
			1554	0^10'00"	34377
12724+00	PT				
		8256			
12806+55	PC				
			884	0^45'00"	7639
12815+39	PT				
		2022			
12835+61	PC				
			1125	2^00'00"	2865
12846+86	PT				
		2724			
12874+11	PC				
			1545	4^00'00"	1433
12889+55	PT				
		1064			
12900+19	PC				
			3347	2^45'00"	2084
12933+66	PT				
		2470			
12958+36	PC				
			1385	1^25'00"	4045
12972+21	PT				
		1528			
12987+49	PC				
			496	0^45'00"	7639
12992+45	PT				
		2552			
13017+97	PC				
			1523	1^25'00"	4045
13033+21	PT				
		1390			
13047+11	PC				
			2384	2^30'00"	2292
13070+95	PT				
		2105			
13092+00	PC				
			532	0^30'00"	11459
13097+32	PT				
		836			
13105+68	PC				
			1238	3^00'00"	1910
13118+06	PT				
		1230			
13130+35	PC				
			724	1^45'00"	3274

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE	DRN	CHK	ENG	QLS	QCR	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07						
01	ISSUED FOR DEIS REFERENCE	4/13/06						

APPROVALS	INITIAL/DATE
Drawn By: CTS	
Originator: RLH	
Checked: SNE	
Verification: JRC	
Design Lead Engineer: LEM	
Quality Engineering Rep: TMS	
Project Engineer: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

ALTERNATE ALIGNMENTS-
HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-0-C009-PP-0112-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 9 OF 11

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GF1 SEGMENT (Cont.)					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
13137+59	PT				
		1748			
13155+07	PC				
			2601	3^00'00"	1910
13181+07	PT				
		1249			
13193+56	PC				
			1055	3^00'00"	1910
13204+11	PT				
		2403			
13228+14	PC				
			2249	5^15'00"	1092
13250+62	PT				
		720			
13257+82	PC				
			2771	5^30'00"	1042
13285+51	PT				
		2333			
13308+84	PC				
			4062	3^30'00"	1637
13349+46	PT				
		1441			
13363+87	PC				
			2642	4^00'00"	1433
13390+29	PT				
		1971			
13410+00	PC				
			3385	3^00'00"	1910
13443+85	PT				
		2934			
13473+18	PC				
			5532	1^00'00"	5730
13528+50	PT				
		921			
13537+71	PC				
			4108	1^00'00"	5730
13578+79	PT				
		2493			
13603+71	PC				
			4571	1^15'00"	4584
13649+42	PT				
		5243			
13701+85	PC				
			8922	1^00'00"	5730
13791+06	PT				
		1281			
13803+87	PC				
			3612	1^00'00"	5730
13839+98	PT				
		4191			
13881+89	POE				

GF4 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
42000+00	POB				
		2233			
42022+33	PC				
			2784	1^00'00"	5730
42050+17	PT				
		4253			
42092+70	PC				
			3641	0^30'00"	11459
42129+11	PT				
		3128			
42160+39	PC				
			5728	1^00'00"	5730
42217+67	PT				
		5264			
42270+31	PC				
			7098	0^30'00"	11459
42341+29	PT				
		17234			
42513+63	PC				
			2108	1^00'00"	5730
42534+71	PT				
		3755			
42572+26	PC				
			1682	1^00'00"	5730
42589+09	PT				
		3933			
42628+42	PC				
			1952	1^00'00"	5730
42647+93	PT				
		1858			
42666+52	PC				
			4234	1^15'00"	4584
42708+86	PT				
		3173			
42740+58	PC				
			6795	0^10'00"	34377
42808+53	PT				
		9326			
42901+79	PC				
			4784	1^15'00"	4584
42949+63	PT				
		8233			
43031+96	PC				
			1484	1^30'00"	3820
43046+80	PT				
		5105			
43097+85	PC				
			6424	1^50'00"	3125

GF4 SEGMENT (Cont.)					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
43162+09	PT				
		1560			
43177+70	PC				
			952	0^15'00"	22918
43187+22	PT				
		2826			
43215+48	PC				
			6244	1^45'00"	3274
43277+92	PT				
		3867			
43316+59	PC				
			2596	0^15'00"	22918
43342+55	PT				
		3211			
43374+66	PC				
			6524	1^00'00"	5730
43439+90	PT				
		3012			
43470+02	PC				
			2088	1^00'00"	5730
43490+90	PT				
		5250			
43543+40	PC				
			8922	1^00'00"	5730
43632+61	PT				
		1281			
43645+42	PC				
			3612	1^00'00"	5730
43681+54	PT				
		4191			
43723+45	POE				

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE	CHK	ORG	CHK	VER	DLE	DES	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

APPROVALS	INITIAL/DATE
Drawn By: CTS	
Originator: RLH	
Checker: SNE	
Verification: JRC	
Design Lead Engineer: LEM	
Quality Engineering Rep: TMS	
Project Engineer: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

ALTERNATE ALIGNMENTS-
HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-CD10-PP-0113-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET: 10 OF 11

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BC2 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
44000+00	POB				
		3291			
44032+91	PC				
			3377	0°40'00"	8594
44066+68	PT				
		4799			
44114+67	PC				
			4000	0°40'00"	8594
44154+66	PT				
		4281			
44197+47	PC				
			5330	1°30'00"	3820
44250+78	PT				
		4676			
44297+54	PC				
			11067	0°30'00"	11459
44408+21	PT				
		1565			
44423+86	PC				
			6559	1°00'00"	5730
44489+45	PT				
		6748			
44556+93	PC				
			3781	1°00'00"	5730
44594+74	PT				
		6750			
44662+24	POE				

GV3 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
29798+15	POB				
		5754			
29855+69	PC				
			2575	0°30'00"	11459
29881+44	PT				
		1649			
29897+93	PC				
			1760	1°30'00"	3820
29915+53	PT				
		1774			
29933+27	PC				
			3124	1°10'00"	4911
29964+51	PT				
		697			
29971+48	PC				
			1424	0°50'00"	6876
29985+72	PT				
		2598			
30011+70	PC				
			2029	0°40'00"	8594
30031+99	PT				
		3302			
30065+01	PC				
			19604	0°20'00"	17189
30261+05	PT				
		26038			
30521+43	PC				
			10628	0°15'00"	22918

GV3 SEGMENT (CONT.)					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
30627+71	PT				
		8287			
30710+58	PC				
			1562	1°00'00"	5730
30726+20	PT				
		15306			
30879+26	PC				
			894	0°40'00"	8594
30888+20	PT				
		6621			
30954+41	PC				
			917	1°30'00"	3820
30963+59	PT				
		800			
30971+58	PC				
			1622	1°40'00"	3438
30987+80	PT				
		1188			
30999+68	PC				
			1051	0°45'00"	7639
31010+19	PT				
		971			
31019+90	PC				
			826	2°30'00"	2292
31028+16	PT				
		403			
31032+20	POE				

OV3 SEGMENT					
STATION	DESCRIPTION	TANGENT LENGTH	LENGTH OF CURVE	DEGREE OF CURVE	RADIUS
46001+43	POE				
		1			
46001+44	PC				
			1576	0°40'00"	8594
46017+20	PT				
		6297			
46080+17	PC				
			1747	1°00'00"	5730
46097+64	PT				
		6047			
46158+11	PC				
			6596	2°00'00"	2865
46224+07	PT				
		6249			
46286+56	PC				
			14709	0°20'00"	17189
46433+65	PT				
		3155			
46465+20	POE				

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE	ORN	CHC	CHK	HCE	OLE	QCE	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

APPROVALS	SIGNATURE/DATE
DRAWN BY: CTS	
SPECIALTY ENGINEER: RLH	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

ALTERNATE ALIGNMENTS-
HORIZONTAL CURVE DATA

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-0-CD11-PP-0114-02	02
SAFETY CATEGORY	CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET: 11 OF 11	

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Road Crossings Proposed for NRL Alignments

Station	Road Name	Road Number	Owner	Surface	Average Daily Traffic	Warning Devices	Provides Access to
Original Continuous Alignment (Blue Line)							
1310+00	Beaver Dam Road	none	Lincoln County	Paved	90	Active	Cedar Range
1559+99	US 93	US 93	Federal	Paved	1305	Separation	Federal Highway
2130+00	Bennett Springs Road	none	Lincoln County	Dirt/Gravel		Passive	Bennett Pass
2570+00	Black Canyon Road	none	Lincoln County	Dirt/Gravel		Passive	Burnt Spr. Range
3050+00	Rattlesnake Road	none	Lincoln County	Dirt/Gravel		Passive	Dry Lake Valley
3827+00	SR 318	SR 318	State	Paved	1005	Separation	State Highway
4320+00	Timber Mountain Road	none	Nye County	Dirt/Gravel		Passive	Timber Mountain
5050+00	Unnamed	none	Nye County	Dirt/Gravel		Passive	Garden Valley
5290+00	Unnamed	none	Nye County	Dirt/Gravel		Passive	Garden Valley
5690+00	Cherry Creek Road	none	Nye County	Dirt/Gravel		Passive	Garden Valley
5990+00	Garden Valley Road	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley
6200+00	Freiburg Road	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley
6870+00	Quinn Canyon Road	none	Lincoln County	Dirt/Gravel		Passive	Humboldt NF
7400+00	Unnamed	none	Nye County	Dirt/Gravel		Passive	Sand Spr. Valley
7670+00	SR 375	SR 375	State	Paved	100	Separation	State Highway
8000+00	Unnamed	none	Nye County	Dirt/Gravel		Passive	Railroad Valley
8110+00	CR 525	CR 525	Nye County	Dirt/Gravel		Passive	Reveille Valley
8550+00	CR 525/Willow Witch Rd	CR 525	Nye County	Dirt/Gravel		Passive	Reveille Valley
9000+00	CR 525	CR 525	Nye County	Dirt/Gravel		Passive	Reveille Valley
9380+00	CR 525	CR 525	Nye County	Dirt/Gravel		Passive	Reveille Valley
10100+00	Unnamed	none	Nye County	Dirt/Gravel		Passive	Clifford Mine
11450+00	CR 665	CR 665	Nye County	Dirt/Gravel		Passive	Stone Cab. Valley
11325+00	AR 504	AR 504	Nye County	Paved		Active	NTTR
15785+00	Unnamed	none	Nye County	Paved		Active	NTTR-Tolicha Pk.
16400+00	Unnamed	none	Nye County	Dirt/Gravel		Passive	Colson Pond

Road Crossings Proposed for NRL Alignments

Station	Road Name	Road Number	Owner	Surface	Average Daily Traffic	Warning Devices	Provides Access to
Alternate Segments (Original Green and Orange Lines)							
Eccles Segment							
20300+00	Beaver Dam Road	none	Lincoln County	Paved	90	Active	Cedar Range
20600+00	US 93	US 93	Federal	Paved	1305	Separation	Federal Highway
GV2 Segment							
28320+00	Cherry Creek Road	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley
28680+00	Garden Valley Road	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley
29030+00	Freiburg Road	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley
GV3 Segment							
30370+00	Cherry Creek Road	none	Nye County	Dirt/Gravel		Passive	Garden Valley
30730+00	Garden Valley Road	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley
30810+00	Cherry Creek West Rd.	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley
SR2 Segment							
36075+00	Reveille Valley Road	none	Nye County	Dirt/Gravel		Passive	Reveille Valley
GF1 Segment							
No proposed road crossings at present							
GF4 Segment							
42667+52	US 95	US 95	Federal	Paved	2000	Separation	Federal Highway
42970+00	US 95	US 95	Federal	Paved	2000	Separation	Federal Highway
BC2 Segment							
No proposed road crossings at present							
OV3 Segment							
46190+00	Unnamed	none	Nye County	Dirt/Gravel		Passive	Colson Pond

Notes:
All Dirt/Gravel road crossing locations are approximate.
All crossing locations correspond to original Blue, Green and Orange Line segment submittals.
Designers will determine ultimate crossing locations (and other appropriate modifications) on a case-by-case basis.

Road Crossings Proposed for GV8 Alignment

Station	Road Name	Road Number	Owner	Surface	Average Daily Traffic	Warning Devices	Provides Access to
56305+00	Cherry Creek Road	none	Nye County	Dirt/Gravel		Passive	Garden Valley
56342+00	Garden Valley Road	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley
57035+00	Freiburg Road	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley
57195+00	Shadow Road	none	Lincoln County	Dirt/Gravel		Passive	Garden Valley

Notes:
All Dirt/Gravel road crossing locations are approximate.
Designers will determine ultimate crossing locations (and other appropriate modifications) on a case-by-case basis.

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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

REV	DESCRIPTION	DATE	DRN	CHK	CHK	HEA	DLE	DCR	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

	APPROVED & DATE
DRAWN BY MJT	
ORIGINATOR RLH	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

ALL ALIGNMENTS-
ROAD CROSSING TABLES

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-O-ROAD-PP-0115-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 1 OF 1

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Structures Proposed for NRL Continuous Alignment

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Caliente					
1027+94	3	33 & 120	186	Dbl Cell & TPG	
1041+47	6	34	204	Precast Concrete	
1069+09	7	31	217	Precast Concrete	
1169+18	7	30	210	Precast Concrete	
1174+19	7	40	280	Precast Concrete	
1188+87	7	34	238	Precast Concrete	
1237+90	3	25	75	Precast Concrete	
1315+86	6	40	240	Precast Concrete	
1365+45	5	44	220	Precast Concrete	
1432+47	4	32	128	Precast Concrete	
1537+31	16	44	704	Precast Concrete	
Common Segement 1 - Bennett Pass					
1612+80	11	40	440	Precast conc	
1812+65	3	30	90	Precast conc	
1816+93	3	45	135	Precast conc	
1842+75	3	30	90	Precast conc	
1880+75	3	33	99	Precast conc	
1910+35	3	90	270	Mult. box culvert	
1958+40	4	30	120	Precast conc	
1989+83	3	45	135	Precast conc	
2000+60	2	85	170	Mult. box culvert	
2147+10	4	45	180	Precast conc	
2341+40	4	70	280	Precast conc	
2385+38	8	42	336	Precast conc	
2442+10	6	70	420	Precast conc	
2462+80	4	70	280	Precast conc	
2700+00	2	130	260	Mult. box culvert	
2830+48	5	45	225	Precast conc	
2915+10	34	30	1020	Precast conc	
2929+00	20	30	600	Precast conc	
Common Segment 1 - Pahroc Summit					
2963+35	5	70	350	Mult. box culvert	
3016+80	7	30	210	Precast conc	
3024+30	7	30	210	Precast conc	
3031+80	7	30	210	Precast conc	
3038+55	7	30	210	Precast conc	
3140+15	9	30	270	Precast conc	
3659+44	2	390	780	Mult. box culvert	
3722+48	4	300	1200	Mult. box culvert	
3762+00	2	350	700	Mult. box culvert	
3813+62	4	420	1680	Mult. box culvert	
3845+80	2	350	700	Mult. box culvert	
3910+70	8	125/45	840	Steel & Precast conc	

Structures Proposed for NRL Continuous Alignment

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Common Segment 1 - White River 1					
3911+86	3	160	480	Mult. box culvert	
3961+45	5	30	150	Precast conc	
4006+30	4	45	180	Precast conc	
4044+93	5	45	225	Precast conc	
4105+40	2	110	220	Mult. box culvert	
4108+50	1	125	125	Box culvert	
4120+20	1	90	90	Box culvert	
4163+38	3	45	135	Precast conc	
4212+10	4	30	120	Precast conc	
4222+40	1	90	90	Box culvert	
4231+84	2	85	170	Mult. box culvert	
4241+70	1	85	85	Box culvert	
4278+60	3	150	450	Mult. box culvert	
4325+60	4	45	180	Precast conc	
4344+40	2	80	160	Mult. box culvert	
4393+50	2	180	360	Mult. box culvert	
4429+40	2	80	160	Mult. box culvert	
4485+90	2	80	160	Mult. box culvert	
4490+00	2	115	230	Mult. box culvert	
4510+40	4	30	120	Precast conc	
4529+00	4	30	120	Precast conc	
4563+40	4	30	120	Precast conc	
4646+00	3	33	99	Precast conc	
4665+95	4	45	180	Precast conc	
4754+40	2	85	170	Mult. box culvert	
4840+20	2	100	200	Mult. box culvert	
4862+00	2	85	170	Mult. box culvert	
5100+15	11	30	330	Precast conc	
5177+80	12	30	360	Precast conc	
5188+60	12	30	360	Precast conc	
5199+40	12	30	360	Precast conc	
Garden Valley 8					
56027+67	11	33	363	Precast conc	
56121+66	4	33	132	Precast conc	
56125+96	4	33	132	Precast conc	
56216+00	8	45	360	Precast conc	
56310+28	7	65	455	Precast conc	
56322+28	7	65	455	Precast conc	
56333+28	7	65	455	Precast conc	
56468+60	5	30	150	Precast conc	
56509+99	6	33	198	Precast conc	
56533+20	8	30	240	Precast conc	
56652+36	4	33	132	Precast conc	
56675+25	10	33	330	Precast conc	
56684+65	10	33	330	Precast conc	
56839+35	10	33	330	Precast conc	
56903+85	18	45	810	Precast conc	

Structures Proposed for NRL Continuous Alignment

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Common Segment 2 - East					
6553+15	4	45	180	Precast conc	
6575+90	4	30	120	Precast conc	
6652+83	5	45	225	Precast conc	
6665+30	4	45	180	Precast conc	
6670+34	1	70	70	Box culvert	
6676+92	1	70	70	Box culvert	
6684+58	1	70	70	Box culvert	
6689+23	1	70	70	Box culvert	
6695+97	1	90	90	Box culvert	
6705+02	1	80	80	Box culvert	
6727+31	1	90	90	Box culvert	
6730+35	3	80	240	Mult. box culvert	
6741+40	1	95	95	Box culvert	
6766+80	2	80	160	Mult. box culvert	
6786+60	7	30	210	Precast conc	
6829+60	3	80	240	Mult. box culvert	
6864+28	7	45	315	Precast conc	
6908+70	6	30	180	Precast conc	
6943+90	8	30	240	Precast conc	
7008+65	7	30	210	Precast conc	
7111+63	5	45	225	Precast conc	
7120+45	1	80	80	Box culvert	
7124+01	1	80	80	Box culvert	
7126+82	1	80	80	Box culvert	
7133+79	1	80	80	Box culvert	
7176+66	3	33	99	Precast conc	
7220+49	3	30	90	Precast conc	
7244+90	4	100	100	Precast conc	
7454+68	7	45	315	Precast conc	
7478+85	6	45	270	Precast conc	
7501+80	4	45	180	Precast conc	
Common Segment 2 - West					
7611+00	5	30	150	Precast Concrete	
7638+50	5	40	200	Precast Concrete	
7668+22	4	24	96	Precast Concrete	
7674+92	4	24	96	Precast Concrete	
7707+87	7	24	168	Precast Concrete	
7755+49	3	24	72	Precast Concrete	
7761+11	3	24	72	Precast Concrete	
7818+46	4	40	160	Precast Concrete	
7825+13	7	40	280	Precast Concrete	

STRUCTURE TABLE DEFINITIONS

PRECAST CONCRETE - BRIDGE
DBL CELL PRECAST CONCRETE - BRIDGE
TPG - STEEL BRIDGE - THRU PLATE GIRDER
DPG - STEEL BRIDGE - DECK PLATE GIRDER

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE	DRN	CHC	CHK	VER	DLE	DCR	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

APPROVALS	INITIAL/DATE
DRAWN BY: CTS	
CHECKED: RLH	
DESIGNED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-
STRUCTURE TABLES

SIZE	SCALE	DOCUMENT IDENTIFIER	REV.
	N/A	NRP-0-STR1-PP-0116-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET: 1 OF 5

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Structures Proposed for NRL Continuous Alignment

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
South Reveille 3					
8619+51	5	45	225	Precast Concrete	
8601+26	5	33	165	Precast Concrete	
8597+67	5	33	165	Precast Concrete	
8555+46	3	81	243	Mult. box culvert	
8554+17	3	69	207	Mult. box culvert	
8539+30	3	40	120	Precast Concrete	
8534+48	5	33	165	Precast Concrete	
8527+74	5	33	165	Precast Concrete	
8503+08	3	45	135	Precast Concrete	
8425+82	5	36	180	Precast Concrete	
8420+16	3	30	90	Precast Concrete	
8396+32	5	33	165	Precast Concrete	
8375+67	5	40	200	Precast Concrete	
8284+99	4	118	472	Mult. box culvert	
8254+40	5	40	200	Precast Concrete	
8226+88	7	45	315	Precast Concrete	
8098+13	3	33	99	Precast Concrete	
Common Segment 3 - East					
8736+95	3	92	276	Mult. box culvert	
8753+73	5	33	165	Precast Concrete	
8880+50	1	74	74	Box Culvert	
8883+30	5	24	120	Precast Concrete	
8885+00	1	74	74	Box Culvert	
8895+16	3	24	72	Precast Concrete	
8923+26	3	24	72	Precast Concrete	
8939+26	3	74	222	Mult. box culvert	
8961+49	3	74	222	Mult. box culvert	
8973+15	5	30	150	Precast Concrete	
9009+96	5	20	100	Precast Concrete	
9015+78	5	20	100	Precast Concrete	
9032+32	2	84	168	Mult. box culvert	
9036+74	5	20	100	Precast Concrete	
9048+10	3	20	60	Precast Concrete	
9111+15	3	76	228	Mult. box culvert	
9128+40	3	96	288	Mult. box culvert	
9145+75	3	58	174	Mult. box culvert	
9158+06	5	24	120	Precast Concrete	
9163+79	3	88	264	Mult. box culvert	
9224+38	6	40	240	Precast Concrete	
9234+48	7	45	315	Precast Concrete	
9299+60	5	40	200	Precast Concrete	
9341+30	5	24	120	Precast Concrete	
9354+03	5	33	165	Precast Concrete	
9362+00	5	40	200	Precast Concrete	
9435+15	5	30	150	Precast Concrete	
9516+70	5	40	200	Precast Concrete	

Structures Proposed for NRL Continuous Alignment

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Common Segment 3 - Warm Springs					
9660+53	9	45	405	Precast conc	
9699+55	5	30	150	Precast conc	
9763+40	3	33	99	Precast conc	
9948+33	5	45	225	Precast conc	
10030+75	5	30	150	Precast conc	
10049+90	4	30	120	Precast conc	
10071+60	4	30	120	Precast conc	
10156+40	6	30	180	Precast conc	
10186+39	6	33	198	Precast conc	
10207+80	3	33	99	Precast conc	
10108+70	8	30	240	Precast conc	
Common Segment 3 - West 1					
10270+45	3	30	90	Precast conc	
10284+60	5	30	150	Precast conc	
10290+70	3	80	240	Mult. box culvert	
10476+42	6	33	210	Precast conc	
10498+05	3	70	210	Mult. box culvert	
10530+33	5	33	165	Precast conc	
10570+70	2	120	240	Mult. box culvert	
10679+90	11	40	440	Precast conc	
10696+60	5	30	150	Precast conc	
10795+00	4	30	120	Precast conc	
10854+25	5	130	650	Mult. box culvert	
11238+00	20	45	900	Precast conc	
11416+60	15	30	450	Precast conc	
10440+90	6	45	270	Precast conc	
10489+50	3	100	300	Mult. box culvert	
10814+70	6	120	720	Mult. box culvert	
Common Segment 3 - West 2					
11527+00	10	30	300	Precast Concrete	
11530+48	4	24	96	Precast Concrete	
11535+00	10	30	300	Precast Concrete	
11565+65	10	33	330	Precast Concrete	
11596+85	10	33	330	Precast Concrete	
11617+76	8	30	240	Precast Concrete	
11637+46	5	40	200	Precast Concrete	
12002+70	10	33	330	Precast Concrete	
12011+28	10	33	330	Precast Concrete	
12025+45	10	33	330	Precast Concrete	
12143+24	4	24	96	Precast Concrete	
12158+17	10	40	400	Precast Concrete	
12239+64	5	40	200	Precast Concrete	
12287+91	5	40	200	Precast Concrete	
12313+77	10	30	300	Precast Concrete	
12327+24	10	30	300	Precast Concrete	

Structures Proposed for NRL Continuous Alignment

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Goldfield 3					
52001+36	5	33	165	Precast Concrete	
52038+07	3	33	99	Precast Concrete	
52060+00	3	33	99	Precast Concrete	
52121+30	3	20	60	Precast Concrete	
52123+00	3	20	60	Precast Concrete	
52152+48	5	30	150	Precast Concrete	
52222+58	3	153	458	Mult. Box Culv.	
52437+95	6	80	480	Precast Concrete	
52529+09	5	30	150	Precast Concrete	
52934+35	2	132	264	Mult. Box Culv.	
52963+00	2	317	634	Mult. Box Culv.	
52978+78	2	234	468	Mult. Box Culv.	
53045+04	4	296	1184	Mult. Box Culv.	
53091+42	5	36	180	Precast Concrete	
53129+40	5	33	165	Precast Concrete	
53217+29	5	36	180	Precast Concrete	
53322+76	7	36	252	Precast Concrete	
53380+14	7	33	231	Precast Concrete	
53417+45	5	40	200	Precast Concrete	
53452+08	5	40	200	Precast Concrete	
53557+10	8	45	360	Precast Concrete	
Common Segment 4					
13877+85	7	30	210	Precast conc	
14093+70	10	40	400	Precast conc	

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	CTS
ORIGINATOR	RLH
ENGINEER	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-
STRUCTURE TABLES

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-STR2-PP-0117-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 2 OF 5

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Structures Proposed for NRL Continuous Alignment					
Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Bonnie Claire 3					
14333+86	7	33	231	Precast Concrete	
14390+02	16	25	400	Precast Concrete	
14404+35	16	25	400	Precast Concrete	
14413+04	20	25	500	Precast Concrete	
14525+83	5	30	150	Precast Concrete	
14775+95	1	104	104	Box Culvert	
14782+79	5	45	225	Precast Concrete	
14798+00	13	40	520	Precast Concrete	
14847+59	6	58	348	Mult. Box Culv.	
14870+23	2	106	212	Mult. Box Culv.	
14873+44	1	102	102	Box Culvert	
14878+52	1	102	102	Box Culvert	
14909+82	1	76	76	Box Culvert	
14921+39	1	74	74	Box Culvert	
14931+20	1	70	70	Box Culvert	
14934+36	1	74	74	Box Culvert	
14945+21	1	84	84	Box Culvert	
14952+10	1	74	74	Box Culvert	
14966+76	2	62	124	Mult. Box Culv.	
14970+61	2	62	124	Mult. Box Culv.	
14973+56	2	62	124	Mult. Box Culv.	
14995+84	2	78	156	Mult. Box Culv.	
15009+45	2	80	160	Mult. Box Culv.	
15027+64	1	58	58	Box Culvert	
15031+68	1	64	64	Box Culvert	
15036+35	1	60	60	Box Culvert	
15047+79	1	76	76	Box Culvert	
15053+98	1	80	80	Box Culvert	
15063+56	1	86	86	Box Culvert	
15077+91	3	45	135	Precast Concrete	
15088+52	2	82	164	Mult. Box Culv.	
15101+49	1	70	70	Box Culvert	
15113+48	1	70	70	Box Culvert	
15132+30	2	76	152	Mult. Box Culv.	
15154+75	5	40	200	Precast Concrete	

Structures Proposed for NRL Continuous Alignment					
Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Common Segment 5					
15218+53	18	33	594	Precast conc	
15371+70	12	45	540	Precast conc	
15491+03	9	45	405	Precast conc	
15540+70	4	25	100	Precast conc	
15552+34	2	80	160	Mult. box culvert	
15557+02	1	80	80	Box culvert	
15586+45	3	25	75	Precast conc	
15588+41	3	25	75	Precast conc	
15592+30	3	25	75	Precast conc	
15594+89	2	25	50	Precast conc	
15598+00	2	25	50	Precast conc	
15642+70	3	25	75	Precast conc	
15645+65	3	25	75	Precast conc	
15648+43	4	25	100	Precast conc	
15661+63	11	30	330	Precast conc	
15688+62	2	80	160	Mult. box culvert	
15695+68	1	80	80	Box culvert	
15706+33	2	80	160	Mult. box culvert	
15726+73	9	45	405	Precast conc	
15761+27	2	80	160	Mult. box culvert	
15765+28	2	80	160	Mult. box culvert	
15768+12	2	80	160	Mult. box culvert	
15778+22	1	80	80	Box culvert	
15781+17	1	80	80	Box culvert	
15871+20	3	80	240	Mult. box culvert	
15883+20	3	80	240	Mult. box culvert	
15897+68	9	45	405	Precast conc	
15909+68	5	100	500	Mult. box culvert	
15928+21	3	100	300	Mult. box culvert	
15952+65	3	110	330	Mult. box culvert	
15962+30	2	100	200	Mult. box culvert	
15987+75	3	90	270	Mult. box culvert	
16046+92	2	100	200	Mult. box culvert	
16121+58	7	45	315	Precast conc	
15638+54	3	25	75	Precast conc	
15717+95	10	45	450	Precast conc	
15786+10	8	30	240	Precast conc	
16032+43	2	100	200	Mult. box culvert	
Oasis Valley 1					
16104+17	7	45	315	Precast Concrete	
16288+06	5	40	200	Precast Concrete	
16326+96	9	40	360	Precast Concrete	
16337+11	1	140	140	Sgl. Box Culvert	
16344+17	1	144	144	Sgl. Box Culvert	
16349+62	19	40	760	Precast Concrete	
16354+51	1	148	148	Sgl. Box Culvert	
16361+69	7	40	280	Precast Concrete	
16396+92	2	94	188	Mult. Box Culv.	
16408+32	3	100	300	Mult. Box Culv.	
16469+27	5	40	200	Precast Concrete	
16481+78	2	106	212	Mult. Box Culv.	
16519+69	5	106	530	Mult. Box Culv.	

Structures Proposed for NRL Continuous Alignment					
Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Common Segment 6 - Beatty Wash 1					
16568+42	5	40	200	Precast Concrete	
16705+62	9	40, 173	1028	Precast Conc & DPG	
16885+80	6	40	240	Precast Concrete	
16935+65	5	40	200	Precast Concrete	
16952+35	5	45	225	Precast Concrete	
16998+10	5	40	200	Precast Concrete	
17020+45	5	40	200	Precast Concrete	
17066+70	5	40	200	Precast Concrete	
Common Segment 6 - Busted Butte					
17139+40	2	84	168	Mult Box Culvert	
17140+98	4	24	96	Precast Concrete	
17158+96	4	33	132	Precast Concrete	
17164+20	4	64	256	Mult Box Culvert	
17281+48	5	33	165	Precast Concrete	
17319+13	5	45	225	Precast Concrete	
17352+30	5	24	120	Precast Concrete	
17355+50	5	20	100	Precast Concrete	
17380+70	5	24	120	Precast Concrete	
17412+33	5	45	225	Precast Concrete	
17461+10	5	24	120	Precast Concrete	
17464+00	5	24	120	Precast Concrete	
17471+20	3	64	192	Mult Box Culvert	
17529+83	5	45	225	Precast Concrete	
17539+20	5	40	200	Precast Concrete	
17629+75	5	30	150	Precast Concrete	
17800+20	5	40	200	Precast Concrete	
17818+80	5	40	200	Precast Concrete	
18052+70	5	234	1170	Mult Box Culvert	
18199+13	5	45	225	Precast Concrete	

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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
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TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

REV	DESCRIPTION	DATE	ORN	CHK	CHK	MGR	DLE	DCR	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

APPROVALS	SIGNATURE/DATE
DRAWN BY: CTS	
CHECKED BY: RLH	
CHECKED BY: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CONTINUOUS ALIGNMENT-
STRUCTURE TABLES

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-SIR3-PP-0118-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 3 OF 5

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Structures Proposed for NRL Alternate Alignments

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Eccles					
20024+59	5	33 & 45	177	Precast Concrete	
20029+39	7	40 & 80	481	Precast Concrete	
20090+87	3	242	726	Mult. Box Culv.	
20093+93	3	248	744	Mult. Box Culv.	
20095+76	3	250	750	Mult. Box Culv.	
20155+49	3	25	75	Precast Concrete	
20155+50	2	90	180	Mult. Box Culv.	
20280+36	3	40	120	Precast Concrete	
20319+08	3	64	192	Mult. Box Culv.	
20369+56	3	40	120	Precast Concrete	
20379+22	5	40	200	Precast Concrete	
20412+20	3	102	306	Mult. Box Culv.	
20437+66	5	368	1840	Mult. Box Culv.	
20483+54	3	74	222	Mult. Box Culv.	
20505+93	1	160	160	Thru Plate Girder	
20550+00	11	40	440	Precast Concrete	
20607+50	5	40	200	Precast Concrete	
20620+03	11	40	440	Precast Concrete	
Garden Valley 1					
5871+99	11	38	418	Precast Concrete	
5895+64	2	71	142	Mult. Box Culv.	
5910+72	2	78	156	Mult. Box Culv.	
5926+98	2	80	160	Mult. Box Culv.	
5961+37	29	60	1740	Mult. CMP Culv.	
6022+68	5	40	200	Precast Concrete	
6064+90	4	77	308	Mult. Box Culv.	
6072+60	1	54	54	Box Culvert	
6075+15	3	24	72	Precast Concrete	
6077+50	1	54	54	Box Culvert	
6095+22	4	116	464	Mult. Box Culv.	
6110+80	13	43	559	Precast Concrete	
6171+36	19	45	855	Precast Concrete	
6208+33	9	42	378	Precast Concrete	
6247+78	3	152	456	Mult. Box Culv.	
6319+78	7	45	315	Precast Concrete	
6355+50	9	45	405	Precast Concrete	
6371+09	5	40	200	Precast Concrete	
6384+78	7	45	315	Precast Concrete	
6452+55	5	30	150	Precast Concrete	
6458+62	9	36	324	Precast Concrete	
6509+33	5	45	225	Precast Concrete	
6547+80	8	45	360	Precast Concrete	
6580+87	7	40	280	Precast Concrete	

Structures Proposed for NRL Alternate Alignments

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Garden Valley 2					
28046+30	10	40	400	Precast Concrete	
28140+00	3	40	120	Precast Concrete	
28144+00	3	40	120	Precast Concrete	
28236+50	4	102	408	Mult. Box Culv.	
28335+70	11	40	440	Precast Concrete	
28349+70	11	40	440	Precast Concrete	
28359+50	11	40	440	Precast Concrete	
28462+00	5	30	150	Precast Concrete	
28465+10	3	20	60	Precast Concrete	
28501+10	3	20	60	Precast Concrete	
28532+00	2	72	144	Mult. Box Culv.	
28535+50	2	72	144	Mult. Box Culv.	
28542+00	2	90	180	Mult. Box Culv.	
28559+23	5	45	225	Precast Concrete	
28615+53	5	45	225	Precast Concrete	
28635+30	8	45	360	Precast Concrete	
28730+80	8	45	360	Precast Concrete	
28833+95	10	30	300	Precast Concrete	
28897+40	20	40	800	Precast Concrete	
SR2					
8619+51	5	45	225	Precast Concrete	
8601+26	5	33	165	Precast Concrete	
8597+67	5	33	165	Precast Concrete	
8555+46	3	81	243	Mult. Box Culv.	
8554+17	3	69	207	Mult. Box Culv.	
8539+30	3	40	120	Precast Concrete	
8534+48	5	33	165	Precast Concrete	
8527+74	5	33	165	Precast Concrete	
8503+08	3	45	135	Precast Concrete	
36344+43	5	45	225	Precast Concrete	
36321+51	5	45	225	Precast Concrete	
36291+44	5	30	150	Precast Concrete	
36234+03	2	87	174	Mult. Box Culv.	
36218+76	5	40	200	Precast Concrete	
36136+74	7	45	315	Precast Concrete	
Goldfield 1					
13564+10	3	44	132	Precast Concrete	
13457+73	5	31	155	Precast Concrete	
13280+00	3	272	816	Mult. Box Culv.	
13245+29	3	226	678	Mult. Box Culv.	
13173+13	3	34	102	Precast Concrete	
13078+23	3	45	135	Precast Concrete	
13043+82	5	40	200	Precast Concrete	
12944+12	5	30	150	Precast Concrete	
13832+22	3	33	99	Precast Concrete	
12821+22	3	33	99	Precast Concrete	
12777+53	2	82	164	Mult. Box Culv.	
12710+17	3	40	120	Precast Concrete	
12703+26	3	35	105	Precast Concrete	
12671+61	5	30	150	Precast Concrete	
12441+73	3		XXX	Mult. Culvert	

Structures Proposed for NRL Alternate Alignments

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Goldfield 4					
42012+00	5	40	200	Precast Concrete	
42016+40	5	40	200	Precast Concrete	
42036+90	7	40	280	Precast Concrete	
42343+16	7	33	231	Precast Concrete	
42357+00	3	20	60	Precast Concrete	
42387+50	5	28	140	Precast Concrete	
42456+50	5	40	200	Precast Concrete	
42549+50	5	28	140	Precast Concrete	
42630+60	5	80	400	Precast Concrete	
42645+20	8	30 & 80	541	Precast Concrete	
42872+00	4	196	784	Mult. Box Culv.	
42923+51	5	30 & 80	301	Precast Concrete	
42953+50	4	320	1280	Mult. Box Culv.	
43087+00	3	80	240	Precast Concrete	
43200+51	6	30 & 80	381	Precast Concrete	
43273+91	6	31 & 80	381	Precast Concrete	
43356+28	7	45	315	Precast Concrete	
43397+30	5	28	140	Precast Concrete	
43533+37	5	36	180	Precast Concrete	
43639+50	10	45	450	Precast Concrete	

STRUCTURE TABLE DEFINITIONS

PRECAST CONCRETE - BRIDGE
DBL CELL PRECAST CONCRETE - BRIDGE
TPG - STEEL BRIDGE - TRHU PLATE GIRDER
DPG - STEEL BRIDGE - DECK PLATE GIRDER

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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
Drawn By: CTS	
Originator: RLH	
Checker: SNE	
Verification: JRC	
Design Lead Engineer: LEM	
Quality Engineering Rep: TMS	
Project Engineer: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

ALTERNATE ALIGNMENTS-
STRUCTURE TABLES

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-D-STR4-PP-0119-02	02
SAFETY CATEGORY	CAD SOFTWARE: MICROSTATION V08.05.02.55		SHEET 4 OF 5

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Structures Proposed for NRL Alternate Alignments

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Bonnie Claire 2					
44065+60	7	36	252	Precast Concrete	
44117+28	2	86	172	Mult. Box Culv.	
44148+86	2	74	148	Mult. Box Culv.	
44176+73	3	66	198	Mult. Box Culv.	
44184+93	3	70	210	Mult. Box Culv.	
44202+19	2	120	240	Mult. Box Culv.	
44229+00	5	40	200	Precast Concrete	
44256+72	9	40 & 80	640	Precast Concrete	
44410+18	2	244	488	Mult. Box Culv.	
44424+16	13	40 & 45	575	Precast Concrete	
44436+18	3	45	135	Precast Concrete	
44444+84	7	45	315	Precast Concrete	
44457+40	10	40	400	Precast Concrete	
44469+63	3	45	135	Precast Concrete	
44488+13	3	45	135	Precast Concrete	
44587+55	10	35	350	Precast Concrete	
44638+18	2	86	172	Mult. Box Culv.	
44672+04	4	92	368	Mult. Box Culv.	
44681+83	1	74	74	Box Culvert	
44691+50	2	70	140	Mult. Box Culv.	
44694+65	2	78	156	Mult. Box Culv.	
44703+79	3	86	258	Mult. Box Culv.	
44712+43	1	76	76	Mult. Box Culv.	
44727+63	1	72	72	Box Culvert	
44730+92	1	74	74	Box Culvert	
44733+82	1	66	66	Box Culvert	
44755+02	2	72	144	Mult. Box Culv.	
44769+69	2	84	168	Mult. Box Culv.	
44787+92	1	78	78	Box Culvert	
44792+05	1	84	84	Box Culvert	
44796+67	1	76	76	Box Culvert	
44808+11	1	78	78	Box Culvert	
44814+24	1	82	82	Box Culvert	
44823+92	1	90	90	Box Culvert	
44838+83	5	40	200	Precast Concrete	
44848+84	1	84	84	Box Culvert	
44861+70	1	74	74	Box Culvert	
44873+87	2	70	140	Mult. Box Culv.	
44892+63	2	80	160	Mult. Box Culv.	
44915+63	3	72	216	Mult. Box Culv.	
44948+12	2	76	152	Mult. Box Culv.	

Structures Proposed for NRL Alternate Alignments

Station	# of Span	Length (feet)	Est. Total Length (feet)	Type	Description
Oasis Valley 3					
46030+52	5	40	200	Precast Concrete	
46055+90	1	120	120	Box Culvert	
46057+80	1	120	120	Box Culvert	
46118+52	2	172	344	Mult. Box Culv.	
46169+65	4	168	672	Mult. Box Culv.	
46181+31	7	30 & 80	461	Precast Concrete	
46186+79	1	200	200	Box Culvert	
46189+80	1	200	200	Box Culvert	
46251+05	5	37	185	Precast Concrete	
46306+78	2	192	384	Mult. Box Culv.	
46313+22	5	30 & 80	301	Precast Concrete	
46360+48	2	120	240	Mult. Box Culv.	
46414+15	5	30	150	Precast Concrete	
46427+08	2	124	248	Mult. Box Culv.	
Garden Valley 3					
29821+95	8	57	456	Mult. Box Culv.	
30138+66	14	45	630	Precast Concrete	
30414+43	1	56	56	Box Culvert	
30415+99	3	40	120	Precast Concrete	
30418+72	3	33	99	Precast Concrete	
30421+05	3	33	99	Precast Concrete	
30502+18	5	40	200	Precast Concrete	
30632+91	3	33	99	Precast Concrete	
30641+47	3	33	99	Precast Concrete	
30651+42	3	24	72	Precast Concrete	
30666+76	3	24	72	Precast Concrete	
30676+71	3	33	99	Precast Concrete	
30685+35	8	45	360	Precast Concrete	
30728+00	1	24	24	Precast Concrete	
30730+30	1	24	24	Precast Concrete	
30751+08	7	38	266	Precast Concrete	
30766+20	5	28	140	Precast Concrete	
30777+54	5	30	150	Precast Concrete	
30822+50	3	33	99	Precast Concrete	
30877+22	1	58	58	Box Culvert	
30880+92	1	60	60	Box Culvert	
30891+70	6	40	240	Precast Concrete	
30933+44	1	86	86	Box Culvert	
30936+75	5	30	150	Precast Concrete	
30945+30	1	106	106	Box Culvert	
30961+13	1	84	84	Box Culvert	
30967+22	1	76	76	Box Culvert	
30975+22	3	45	135	Precast Concrete	

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NEVADA RAIL LINE CONCEPTUAL DESIGN
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REV	DESCRIPTION	DATE	DRN	CHC	CHK	VER	DLE	DCR	PE
02	ISSUED FOR DEIS REFERENCE	5/15/07							
01	ISSUED FOR DEIS REFERENCE	4/13/06							

APPROVALS	INITIALS/DATE
DRAWN BY: CTS	
DESIGNATOR: RLH	
CHECKER: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

ALTERNATE ALIGNMENTS-
STRUCTURE TABLES

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	N/A	NRP-0-STR5-PP-0120-02	02
SAFETY CATEGORY	CAD SOFTWARE: MICROSTATION V08.05.02.55		SHEET 5 OF 5

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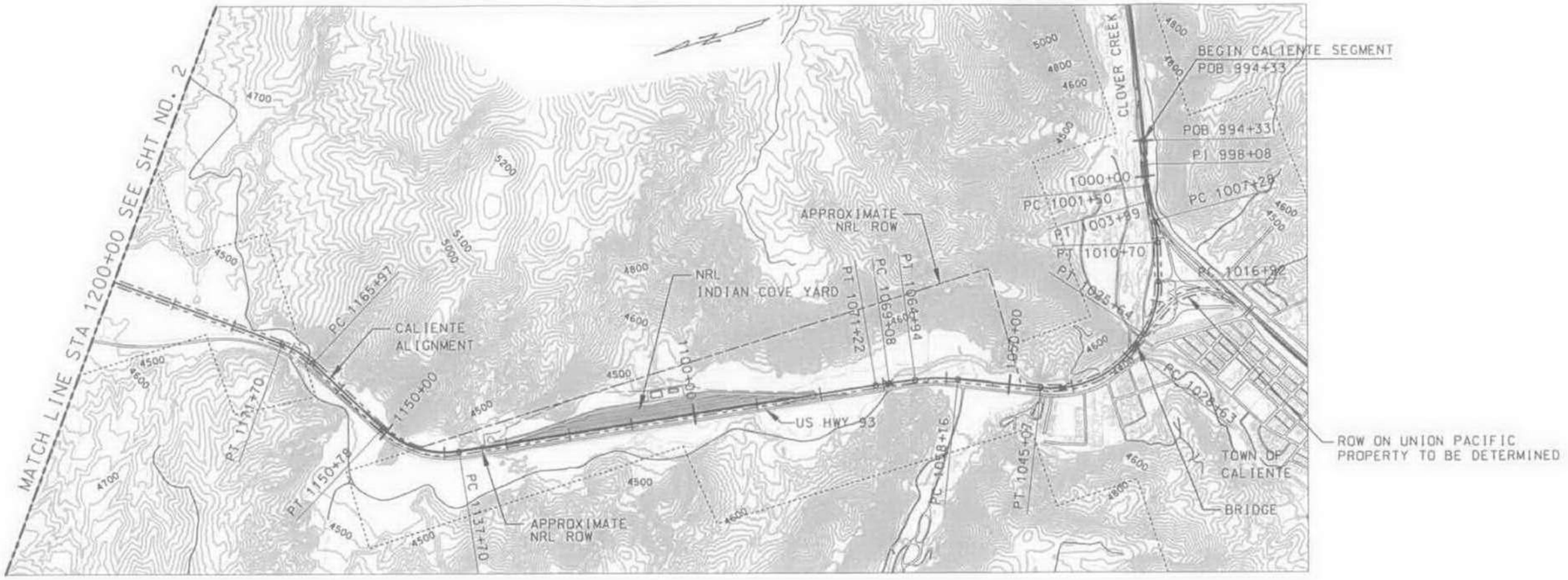

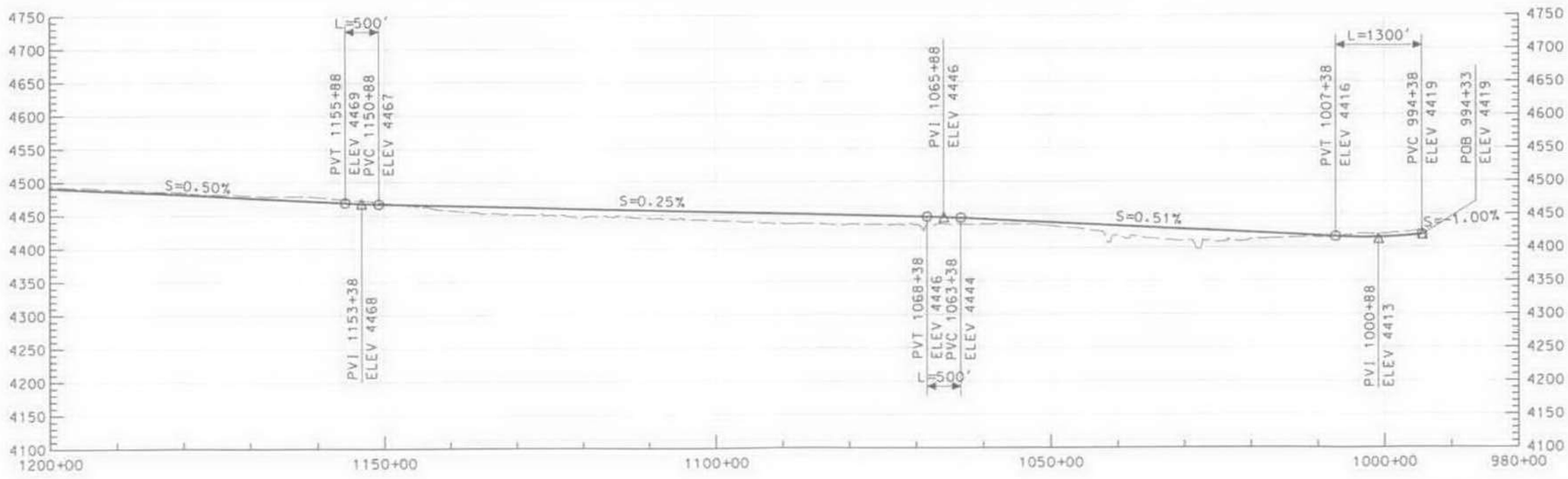

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

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V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DATE (M-D-YYYY)
DRAWN BY PTD	
DESIGNED DRP	
CHECKED SNE	
IDENTIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CALIENTE
994+33 TO 1200+00

SIZE	SCALE	DRAWING IDENTIFIER	REV
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DATA CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 1 OF 100

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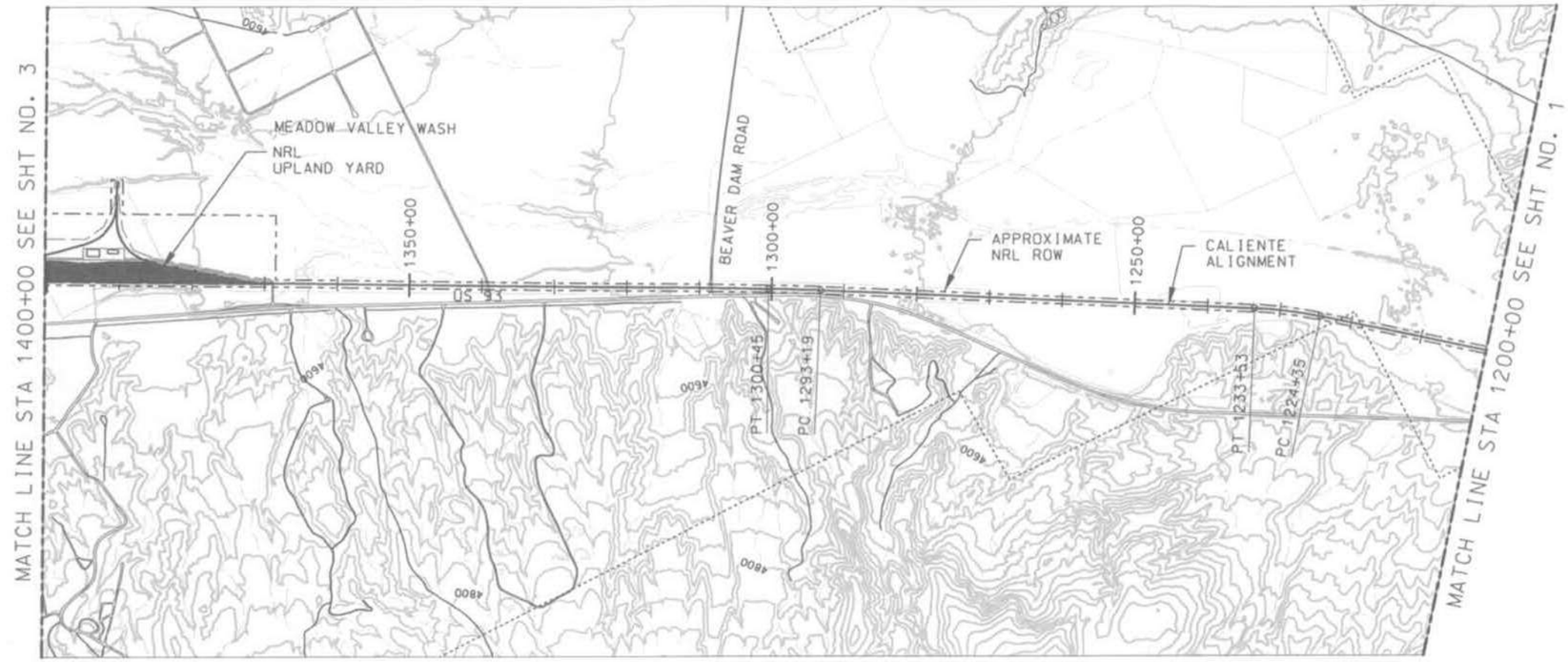

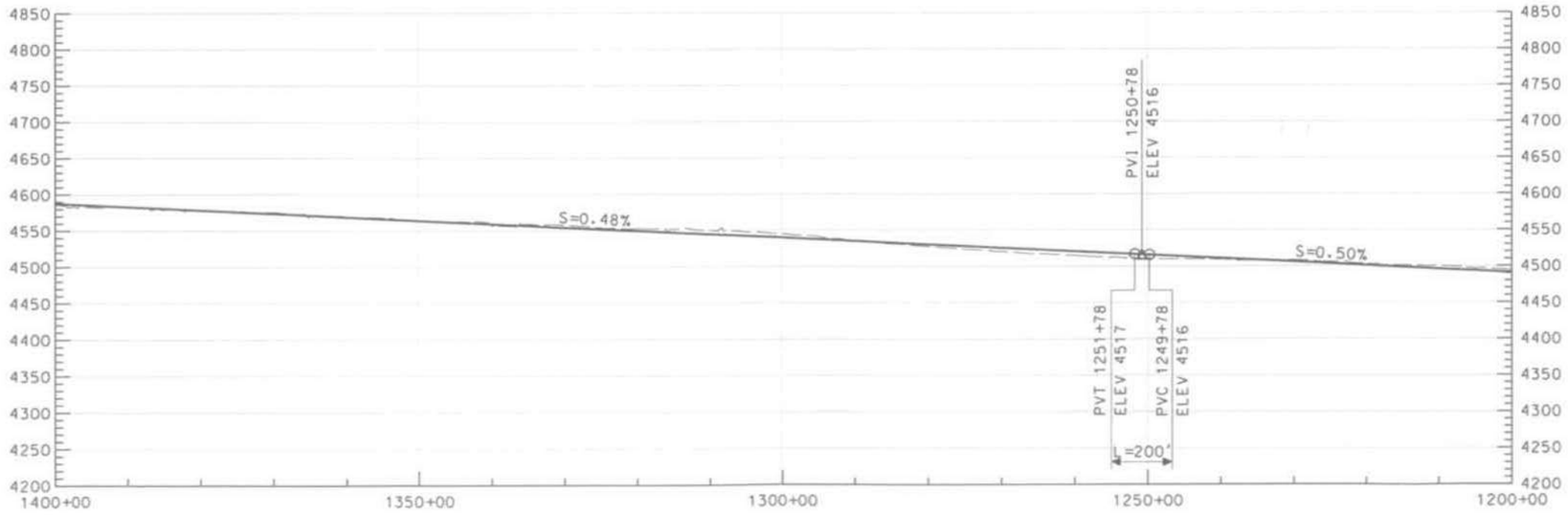

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: PTO	
DESIGNER: DRP	
CHECKED: SNE	
RECEPTION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CALIENTE
1200+00 TO 1400+00

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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 2 OF 100

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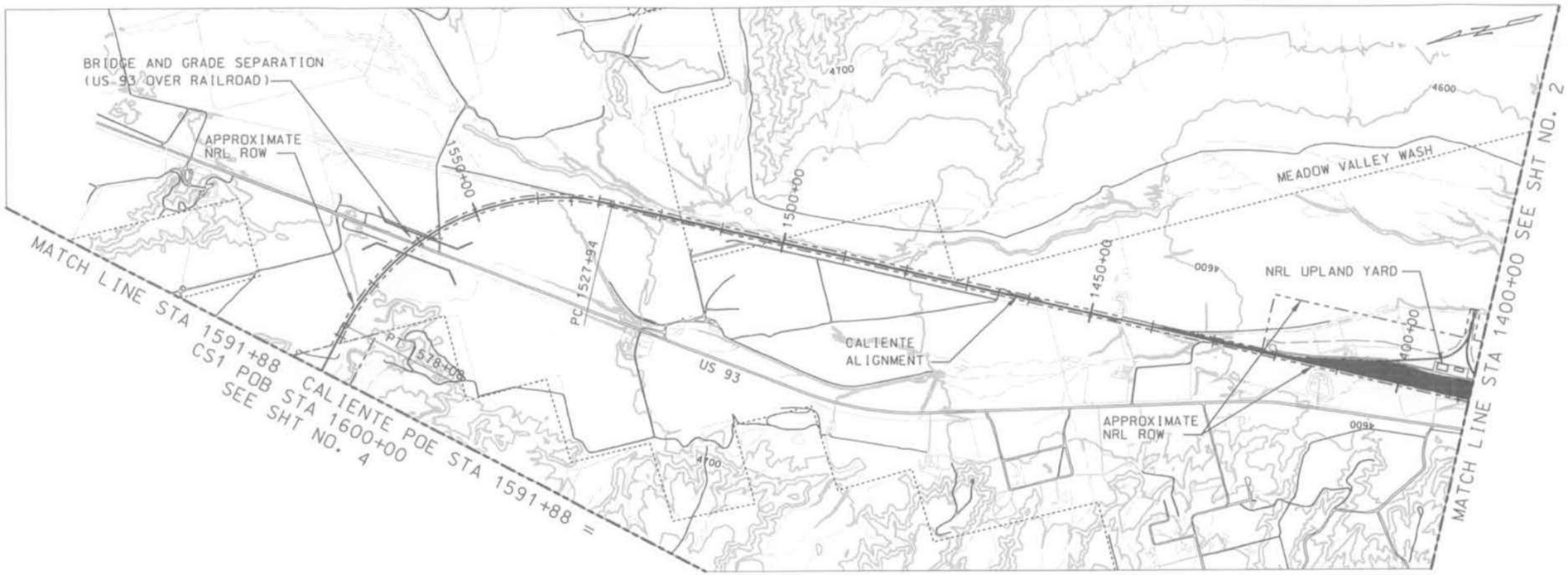

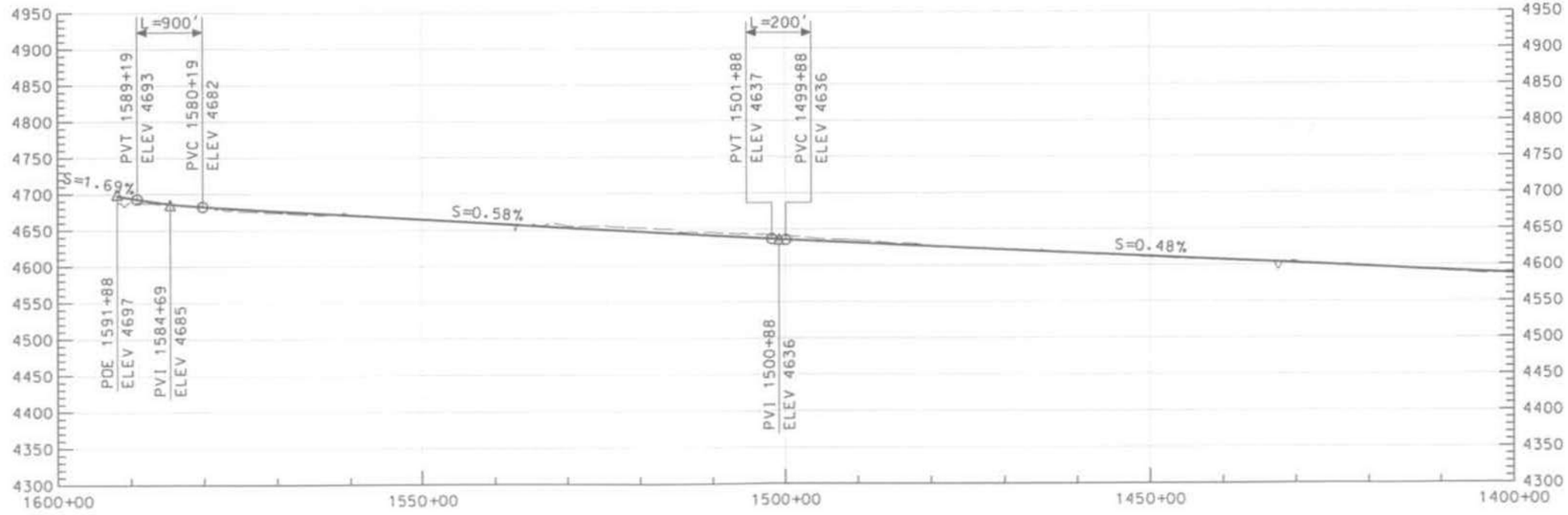

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GRAPHIC SCALE

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V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	PTO
DESIGNATOR	DRP
CHECKED	SNE
MODIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP.	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CALIENTE
1400+00 TO 1591+88

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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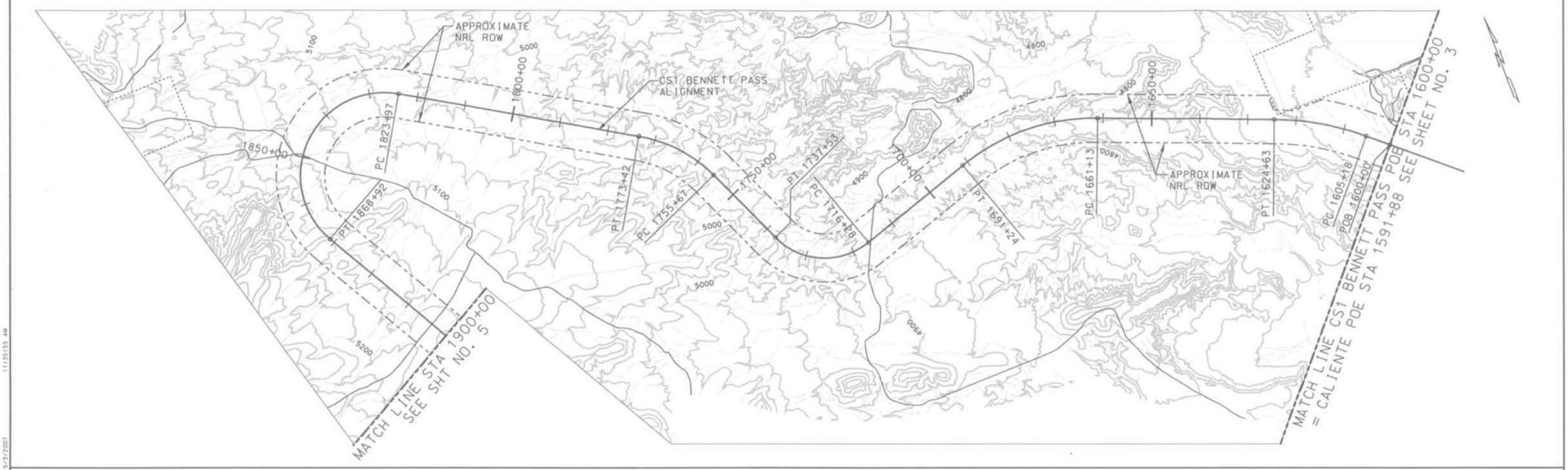

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS / CRITICAL DATE

DRAWN BY: SMW
DESIGNATOR: YBM
CHECKER: SNE
VERIFICATION: JRC
DESIGN LEAD ENGINEER: LEM
QUALITY ENGINEERING REP: TMS
PROJECT ENGINEER: JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1 BENNETT PASS
1600+00 TO 1900+00

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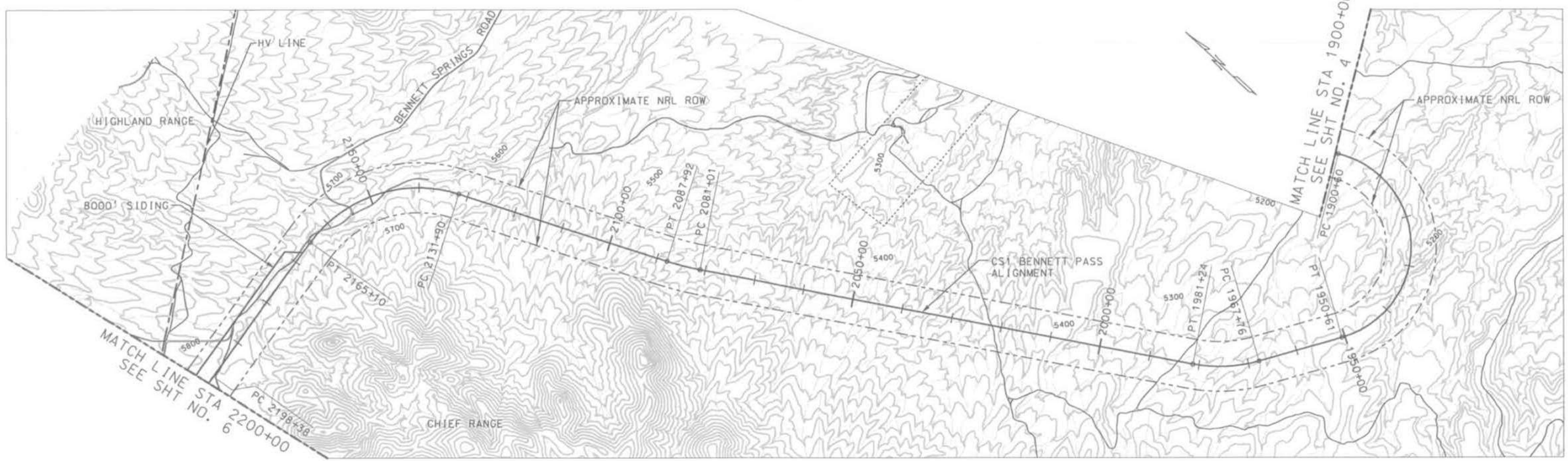

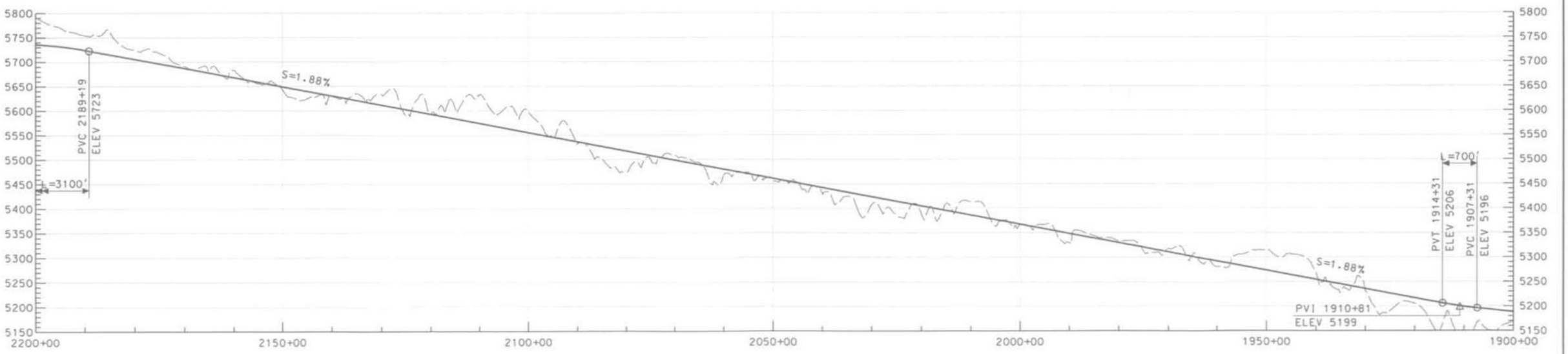

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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY SMW	
DESIGNED BY YSM	
CHECKED BY SNE	
DESCRIPTION CHECK JRC	
DESCRIPTION LEAD ENGINEER LEM	
QUALITY ENGINEERING REP. TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1 BENNETT PASS
1900+00 TO 2200+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		END SOFTWARE: MICROSTATION V08.05.02.55	SHEET 5 OF 100

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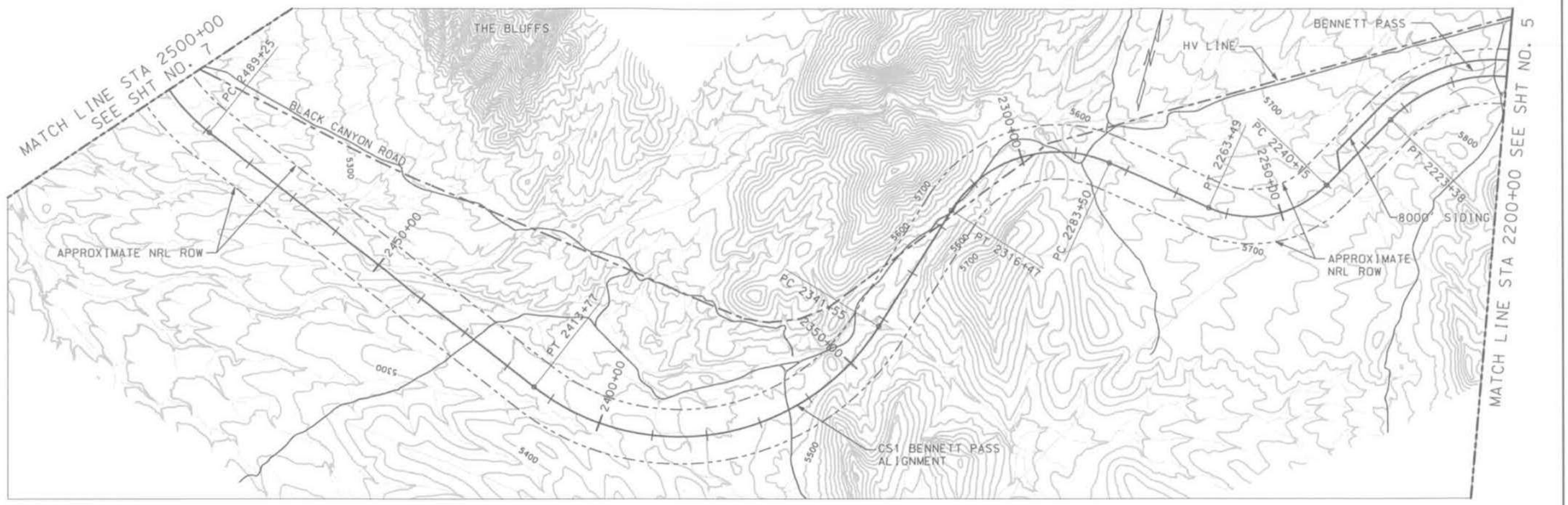

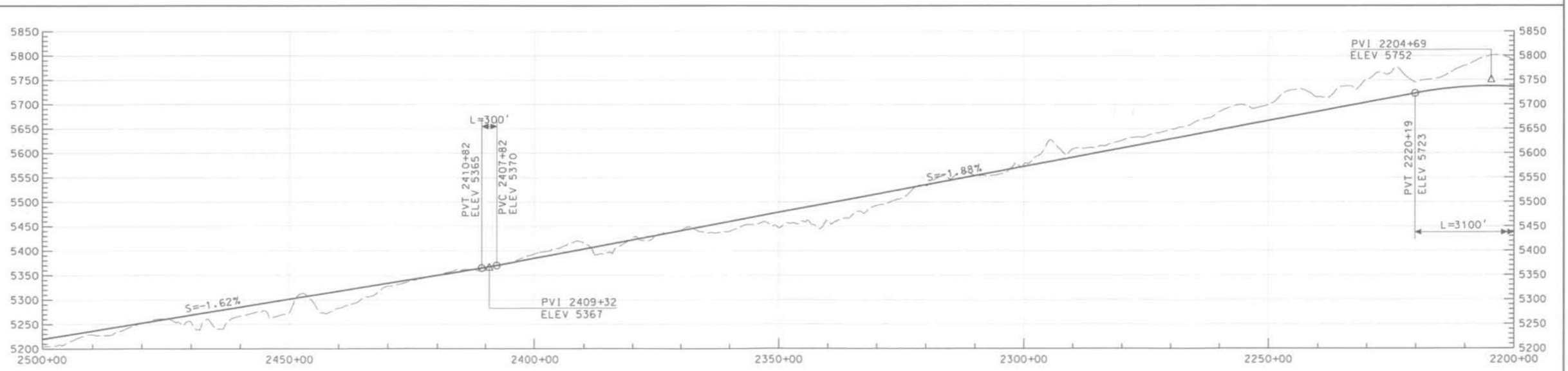

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: SMW	
DESIGNER: YDM	
CHECKED: SNE	
PEER REVIEW: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
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BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1 BENNETT PASS
2200+00 TO 2500+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 6 OF 100

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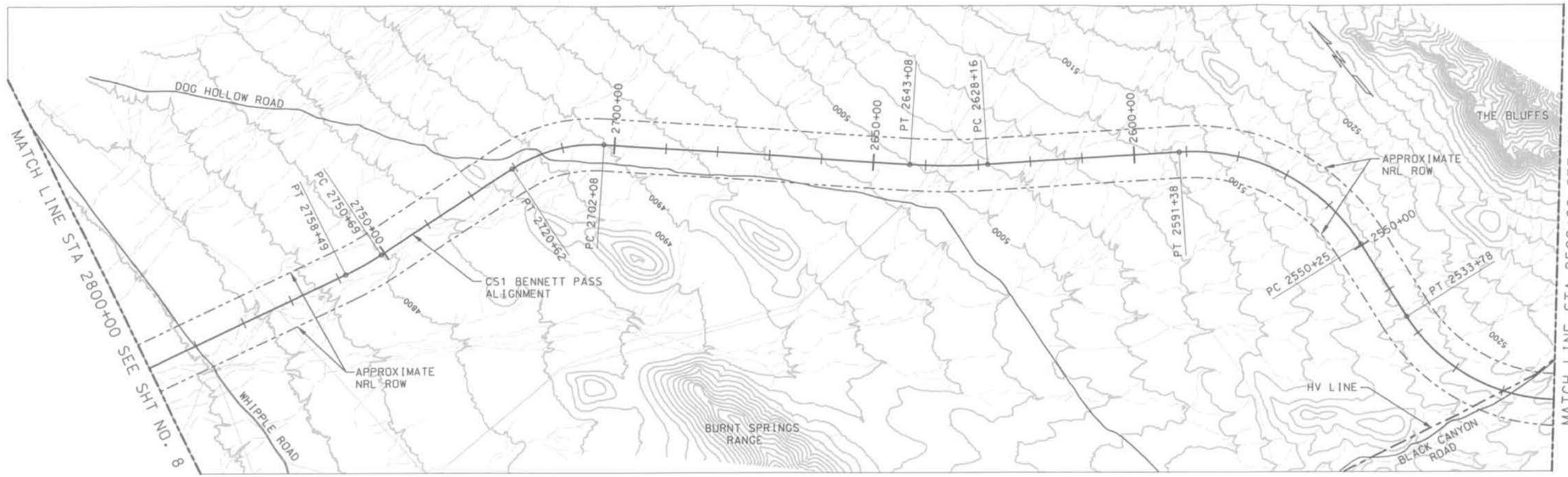

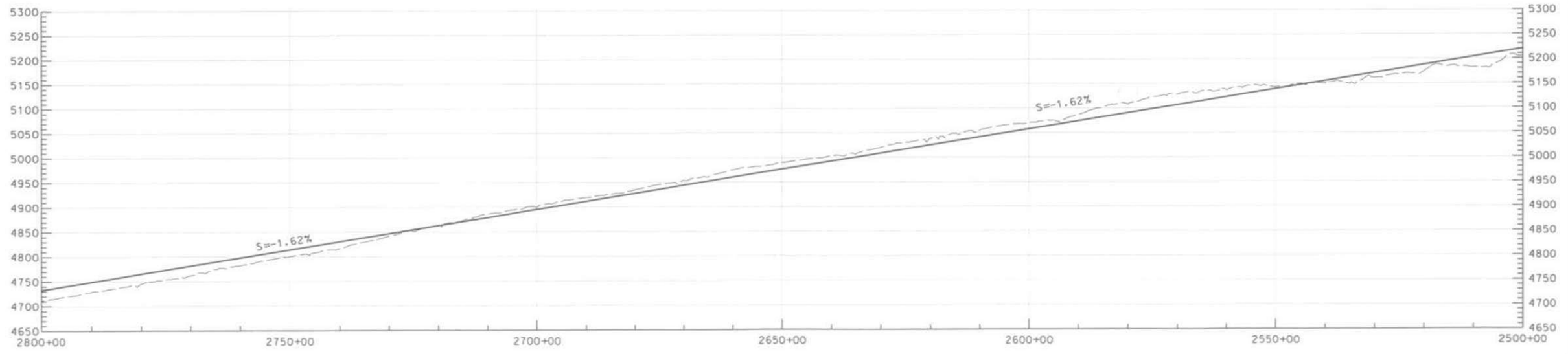

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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
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DRAFTED BY: YBM	
CHECKED BY: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1 BENNETT PASS
2500+00 TO 2800+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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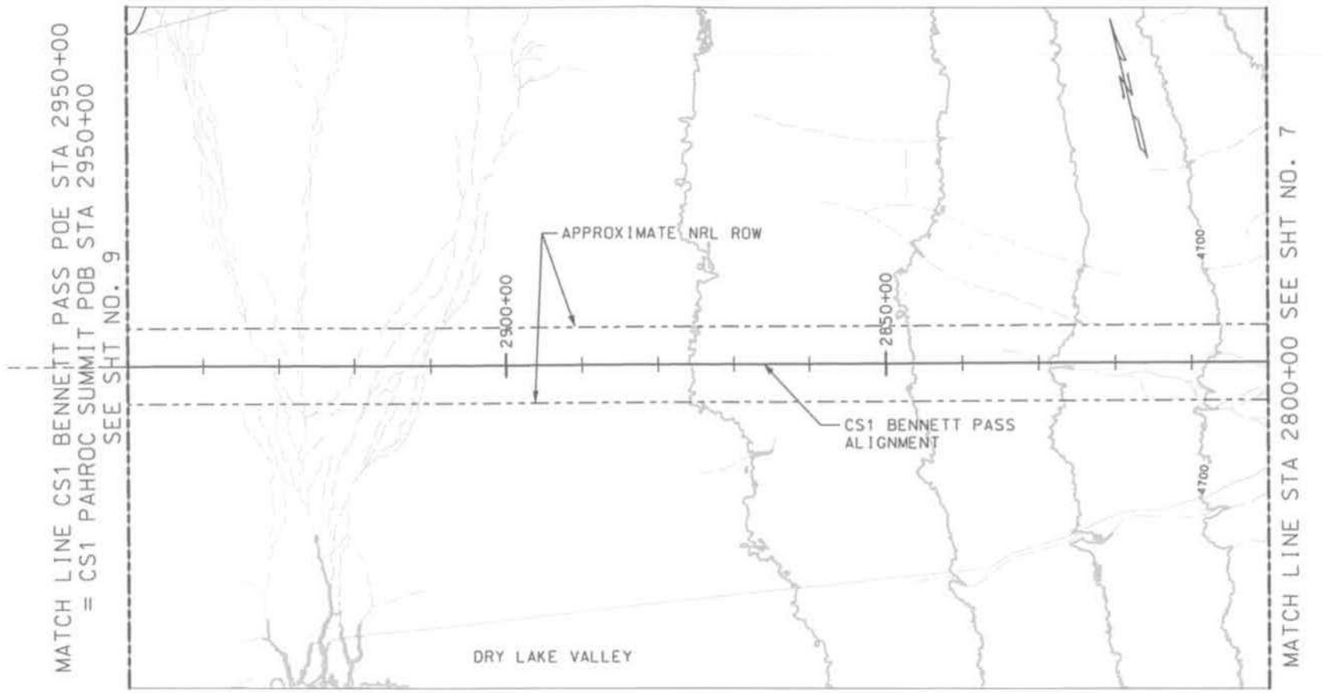

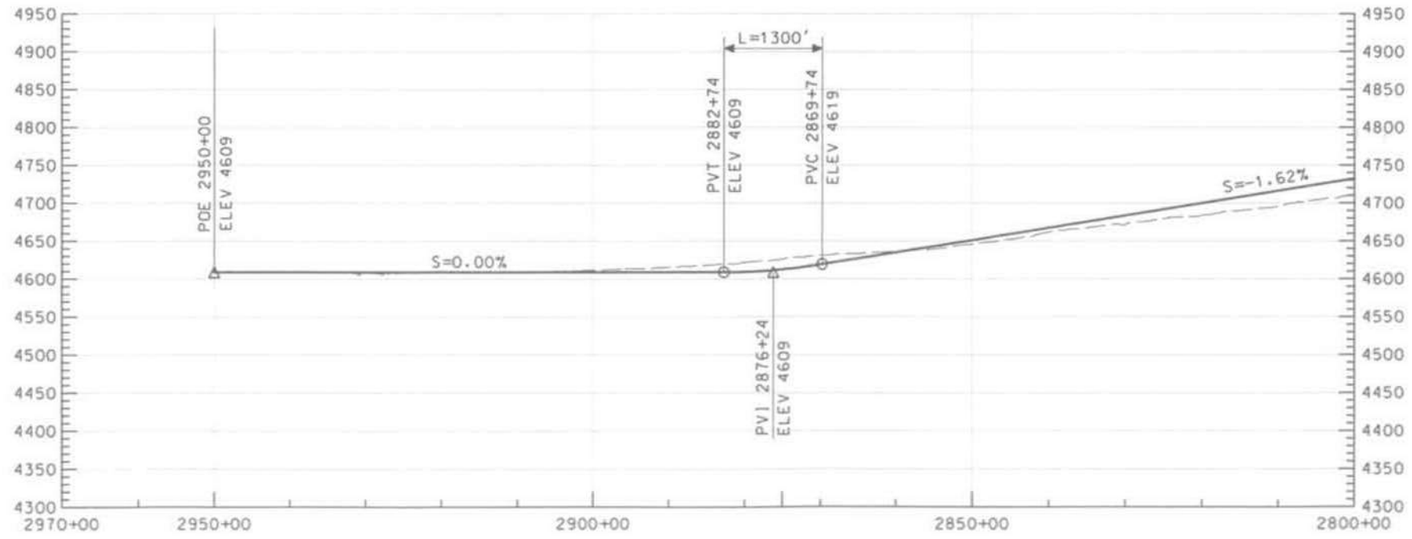

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GRAPHIC SCALE

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V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	SMW
DESIGNER	YBM
CHECKER	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
FACILITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1 BENNETT PASS
2800+00 TO 2950+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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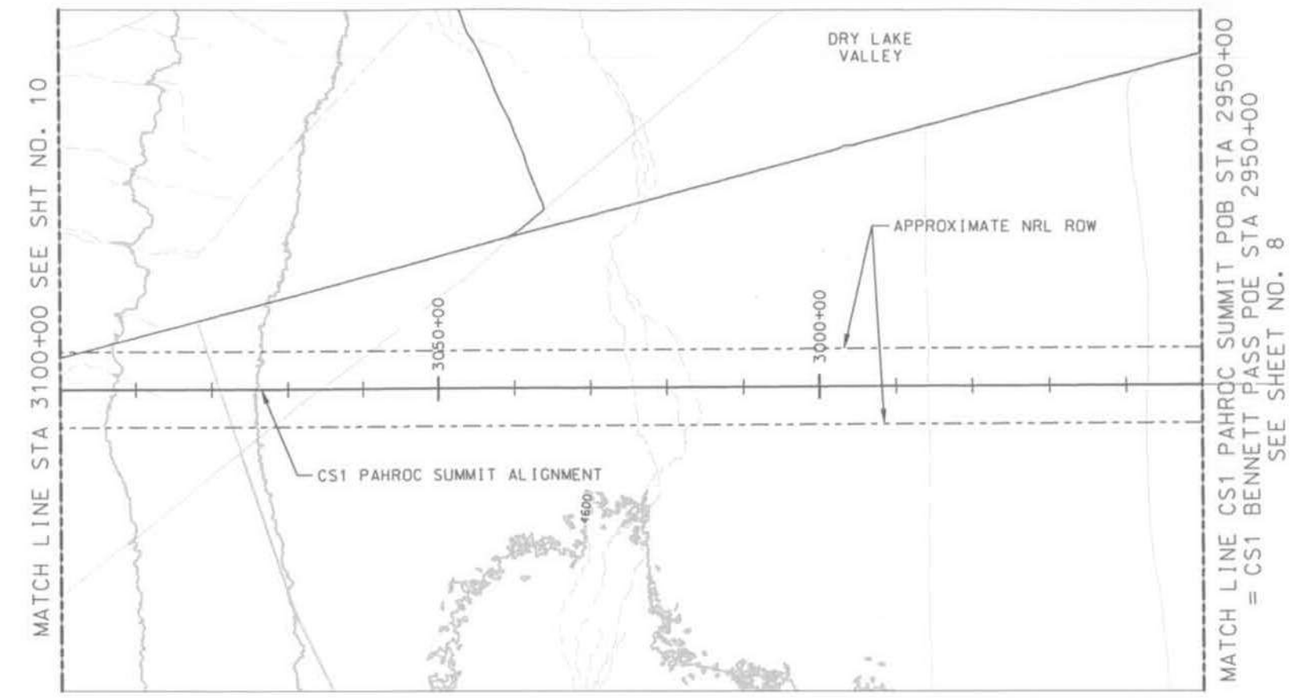

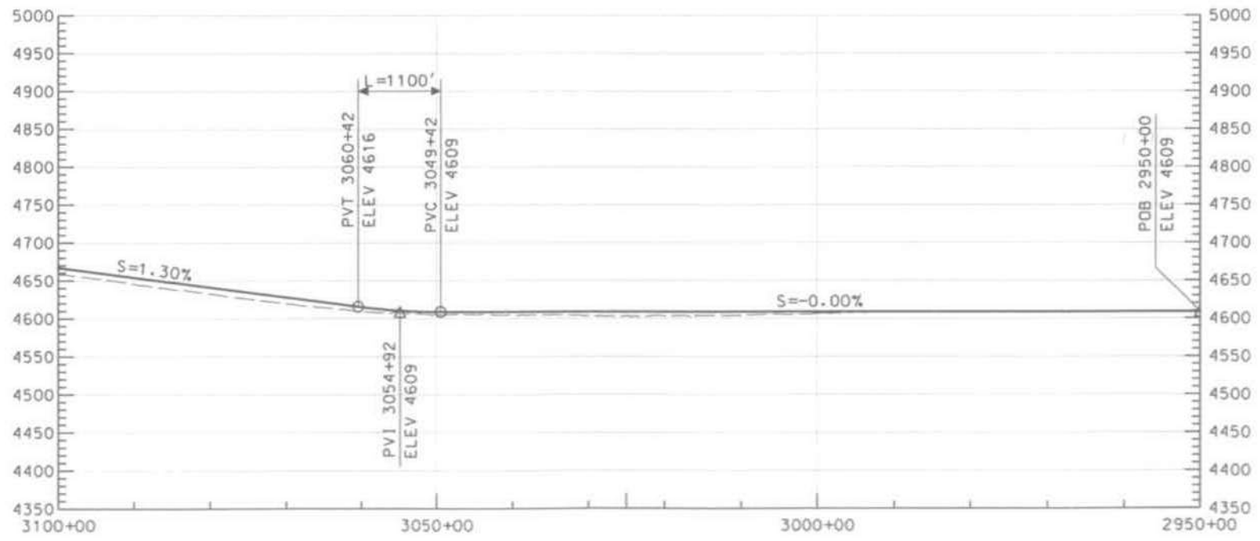

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
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DESIGNED BY YBM	
CHECKED BY SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1 PAHROC SUMMIT
2950+00 TO 3100+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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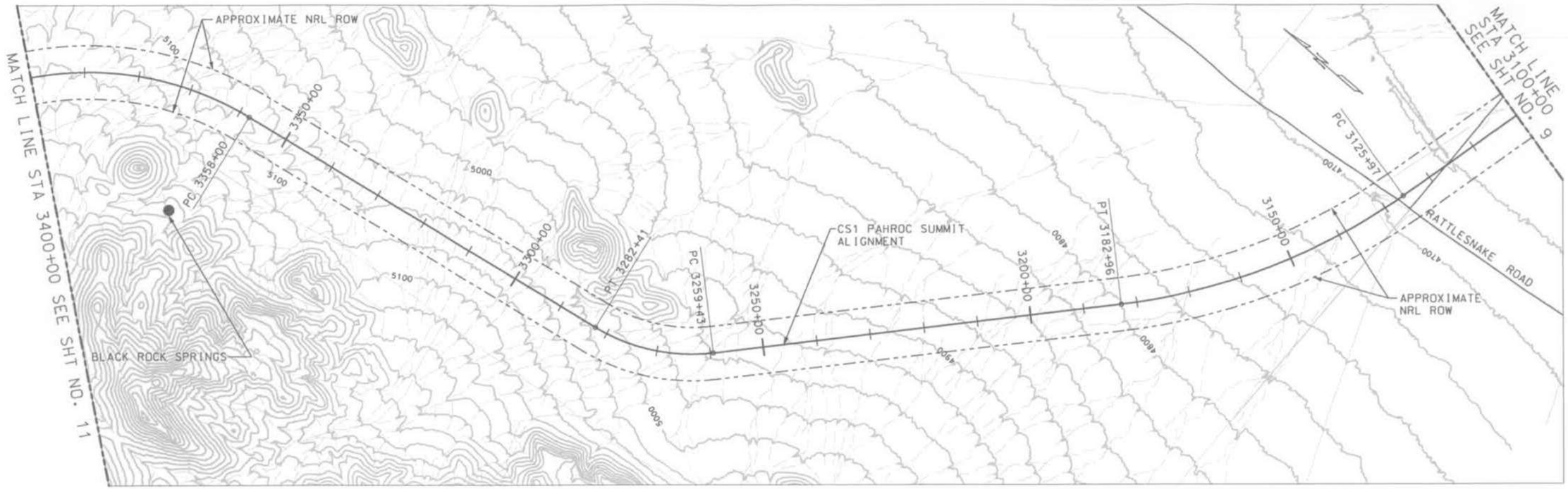

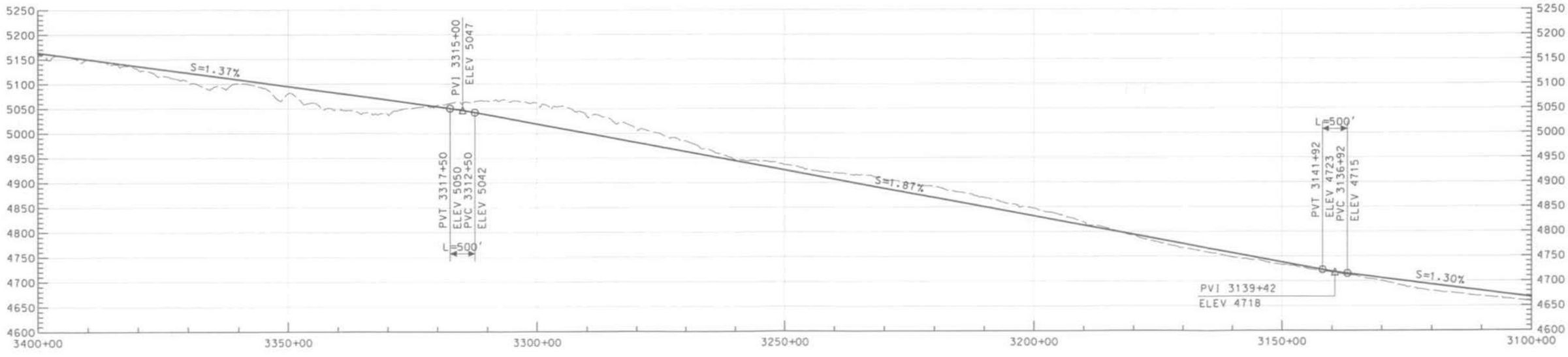

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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

	APPROVALS	DATE/INITIALS
DRAWN BY	SMW	
DESIGNER	YBM	
CHECKED	SNE	
VERIFICATION	JRC	
DESIGN LEAD ENGINEER	LEM	
QUALITY ENGINEERING REP	TMS	
PROJECT ENGINEER	JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1 PAHROC SUMMIT
3100+00 TO 3400+00

SIZE	SCALE	DOCUMENT IDENTIFICATION	REV
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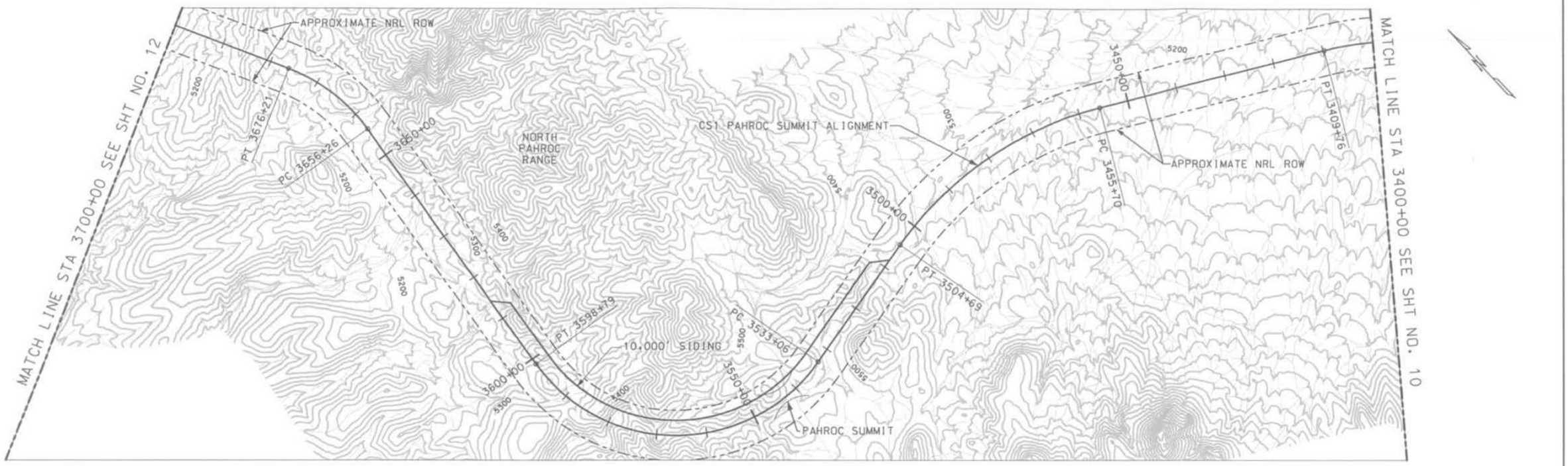

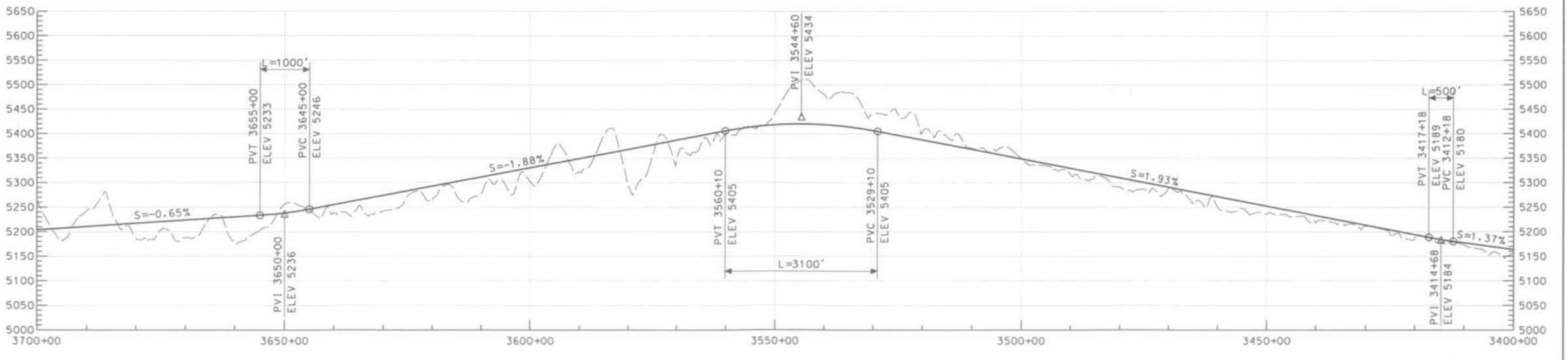

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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
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TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

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DRAWN BY	SMW	
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CHECKED	SNE	
VERIFICATION	JRC	
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QUALITY ENGINEERING REP	TMS	
PROJECT ENGINEER	JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1 PAHROC SUMMIT
3400+00 TO 3700+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-0-PS03-PP-0011-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 11 OF 100

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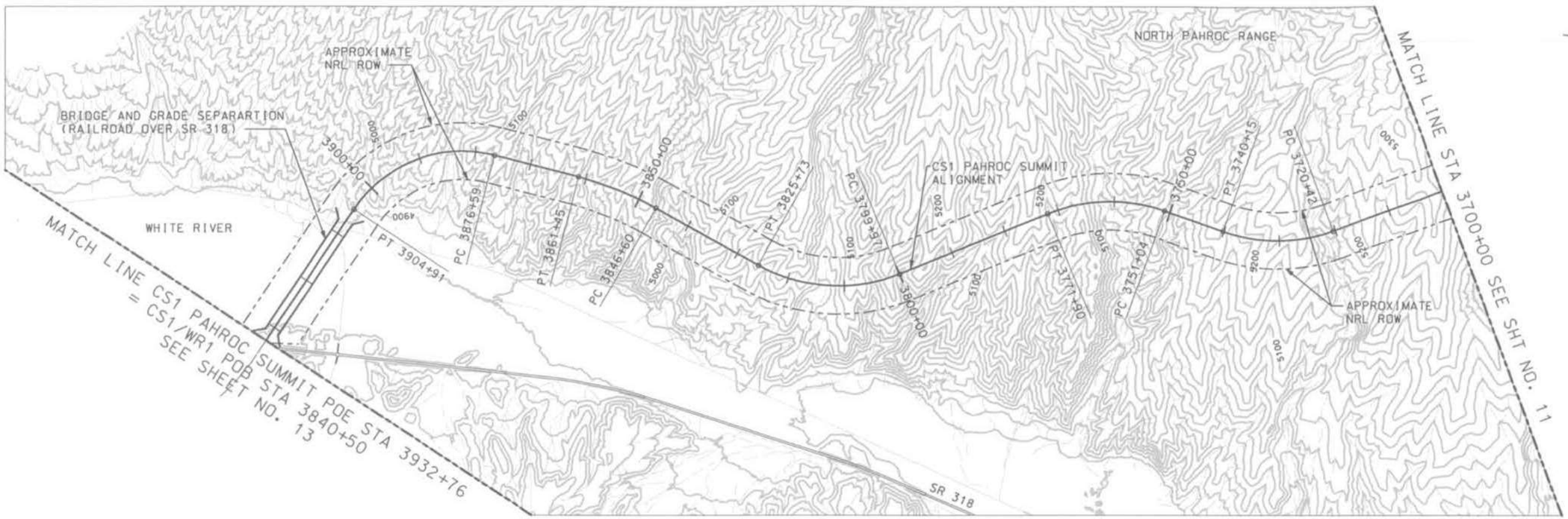

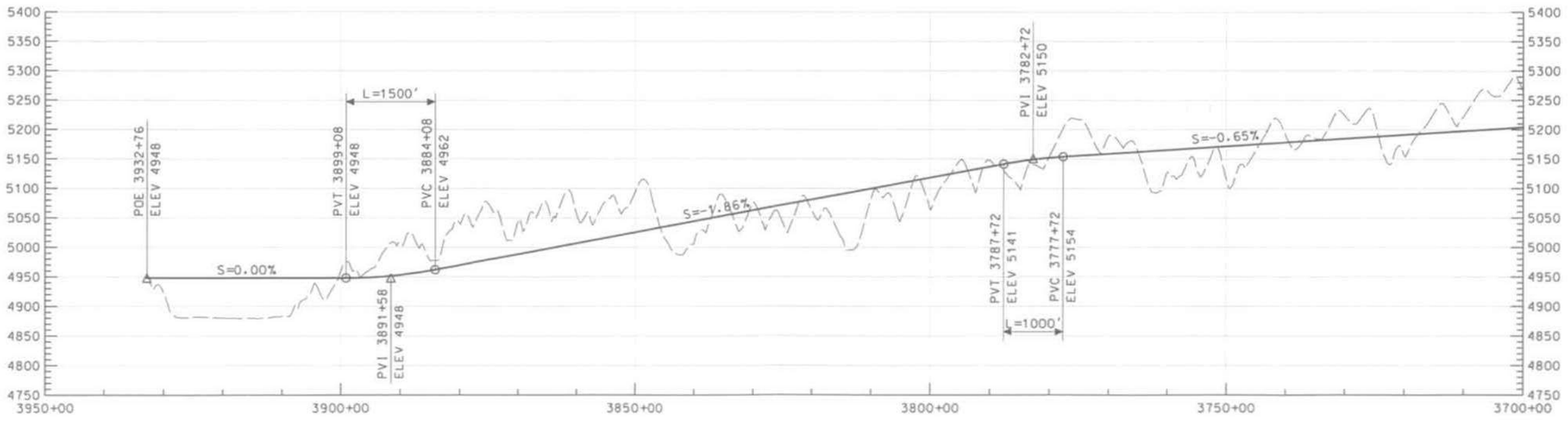

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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
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TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
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01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY SMN	
DESIGNATOR YBM	
CHECKED SNE	
DESIGN CONFIRMATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1 PAHROC SUMMIT
3700+00 TO 3932+76

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-PS04-PP-0012-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 12 OF 100

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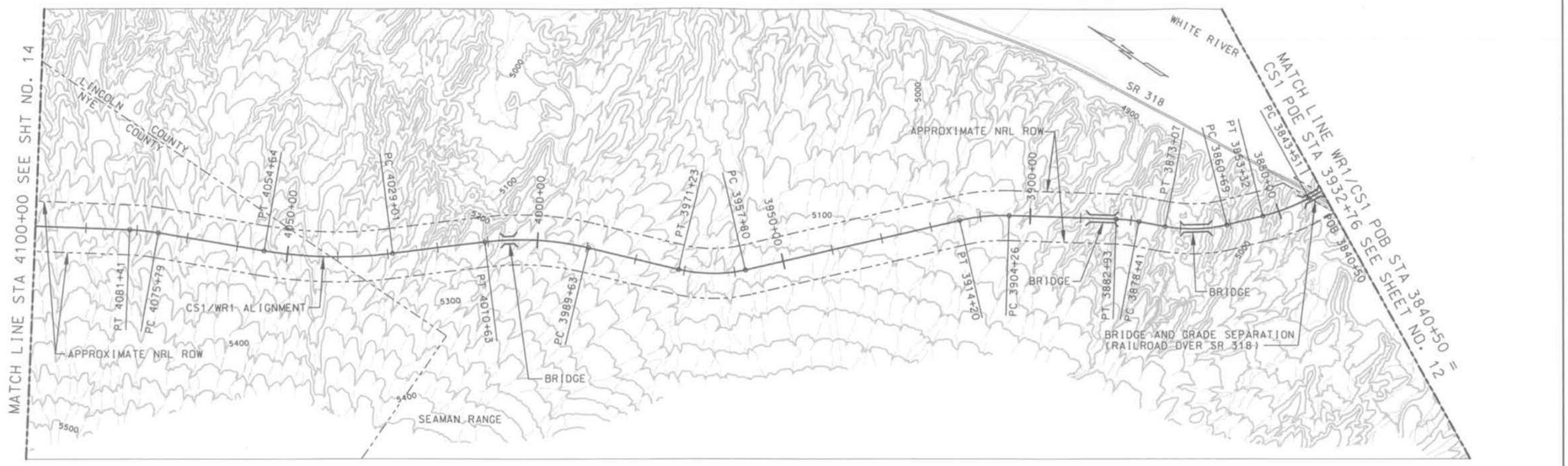

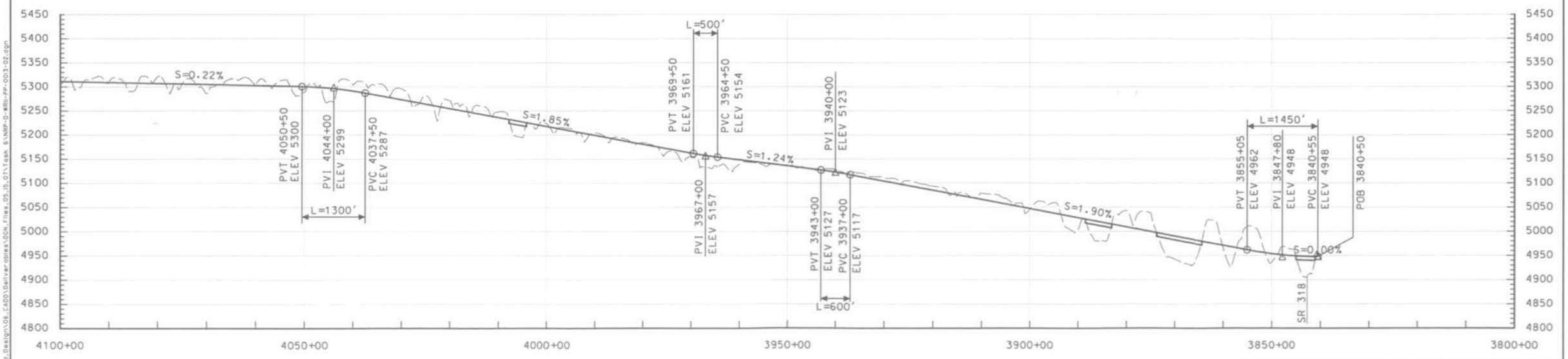

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: WHL	
DESIGNATOR: PRD	
CHECKER: SNE	
MODIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING DEPT: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1/WR1
3840+50 TO 4100+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 13 OF 100

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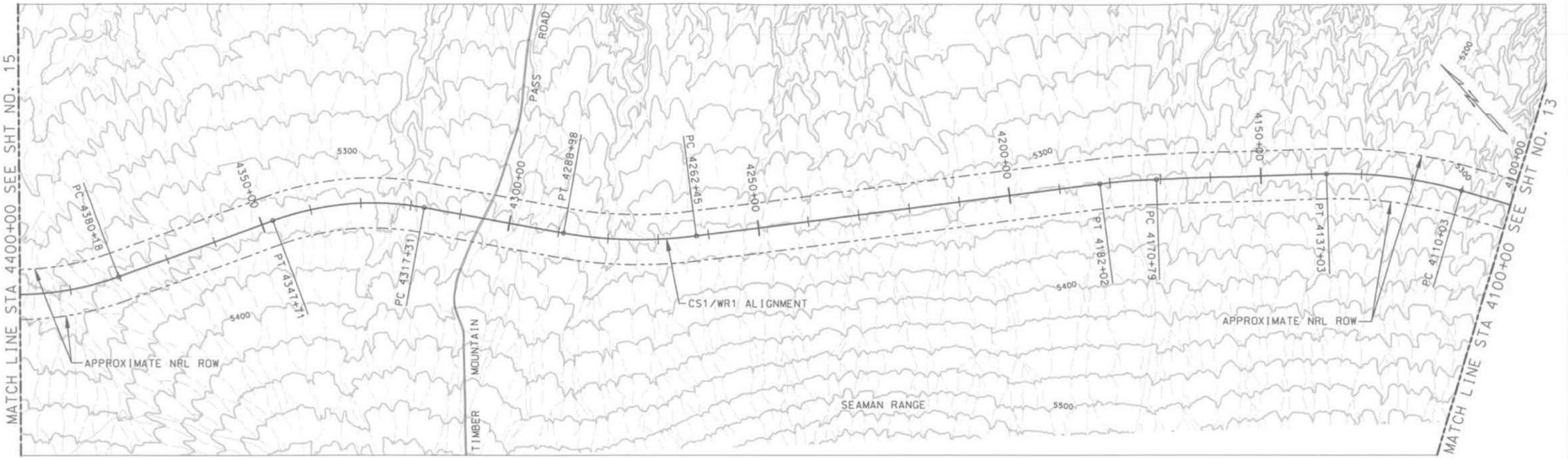

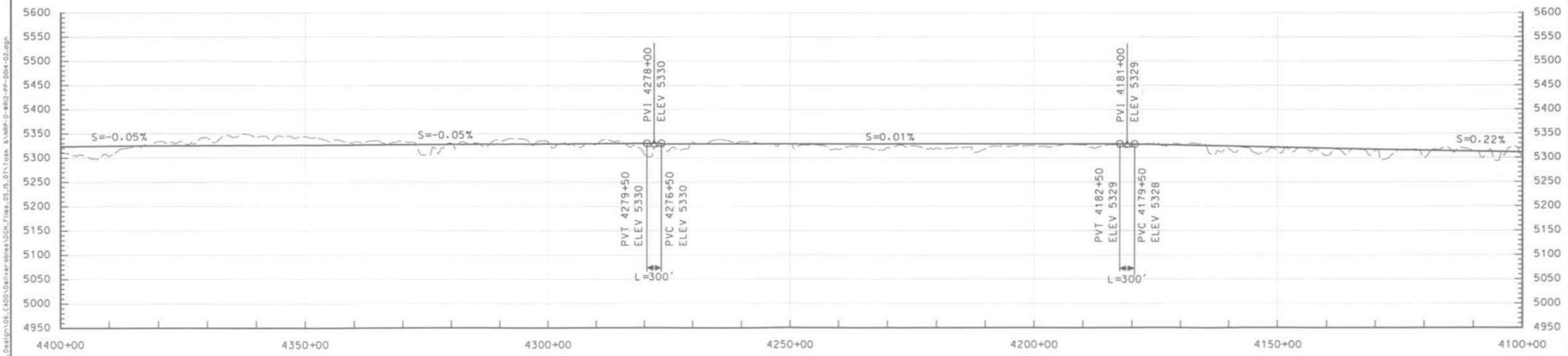

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY WHL	
DESIGNER PRD	
CHECKER SNF	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1/WR1
4100+00 TO 4400+00

SIZE D | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-0-WR12-PP-0014-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 14 OF 100

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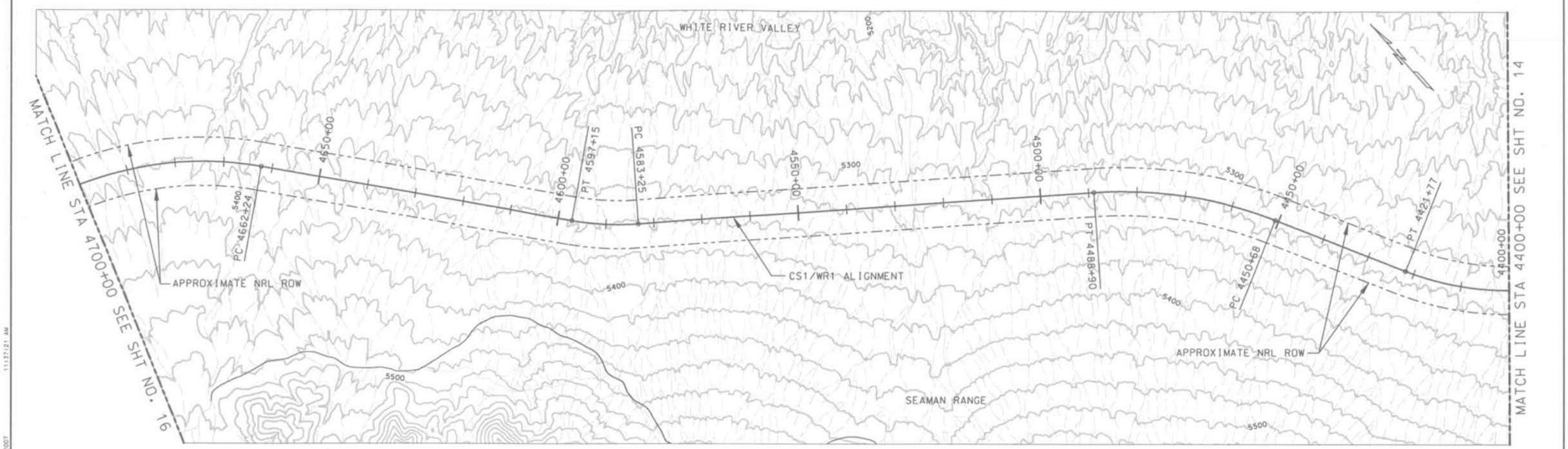

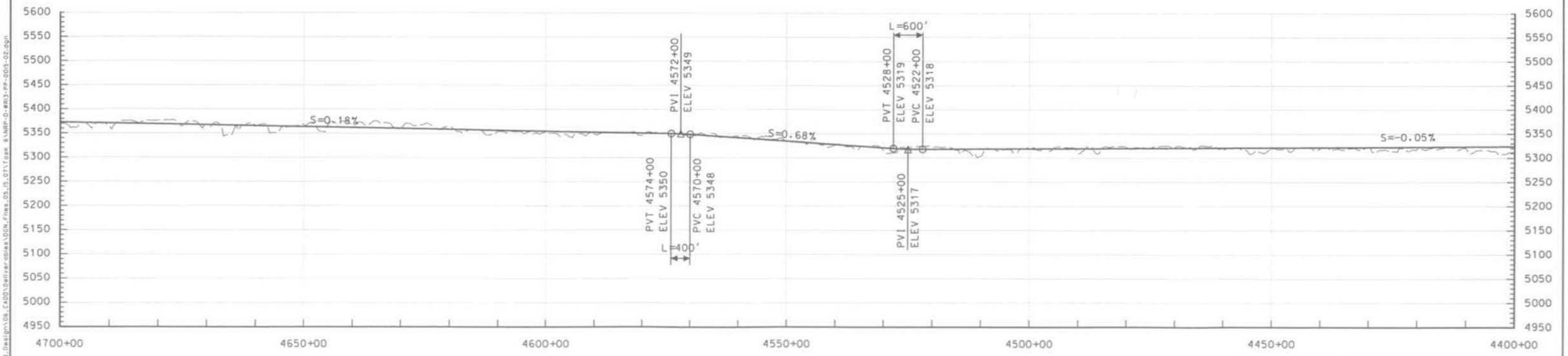

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	WHL
DESIGNER	PRD
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1/WR1
4400+00 TO 4700+00

SIZE D | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-D-WR13-PP-0015-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 15 OF 100

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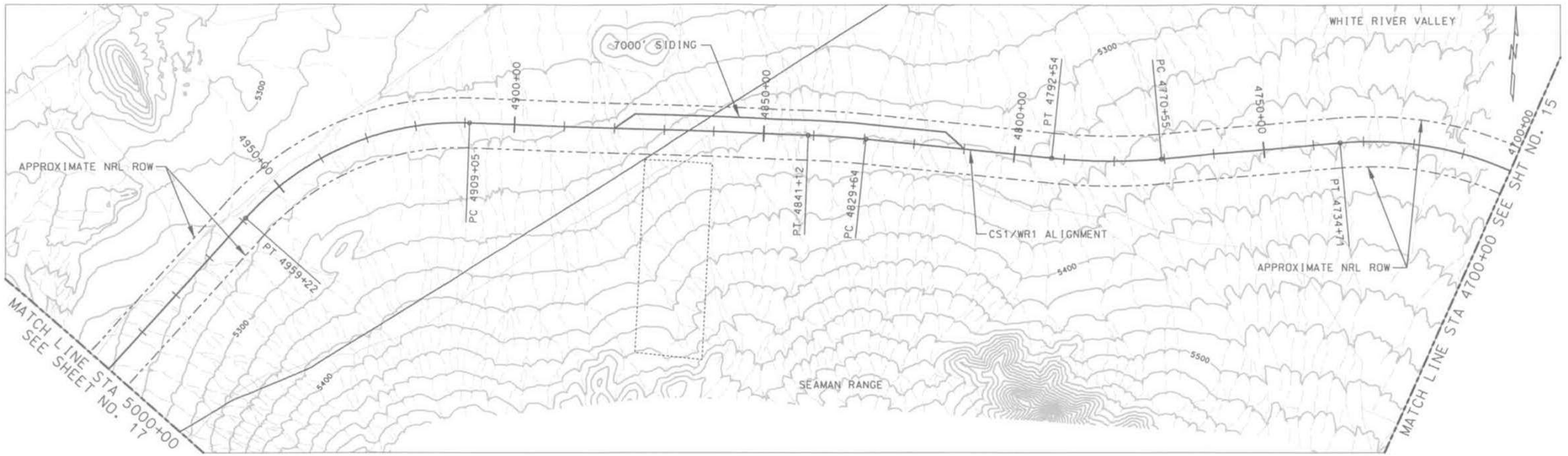

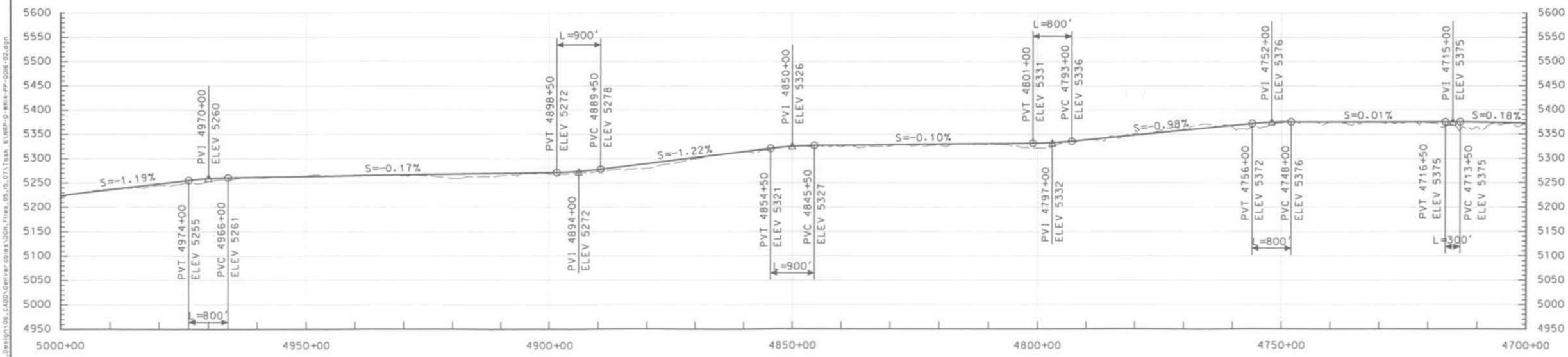

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY WHL
DESIGNED PRO
CHECKED SNE
VERIFIED JRC
DESIGN LEAD ENGINEER LEM
QUALITY ENGINEERING REP TMS
PROJECT ENGINEER JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1/WR1
4700+00 TO 5000+00

SIZE B | SCALE AS SHOWN | DRAWING IDENTIFIER NRP-D-WR14-PP-0016-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 16 OF 100

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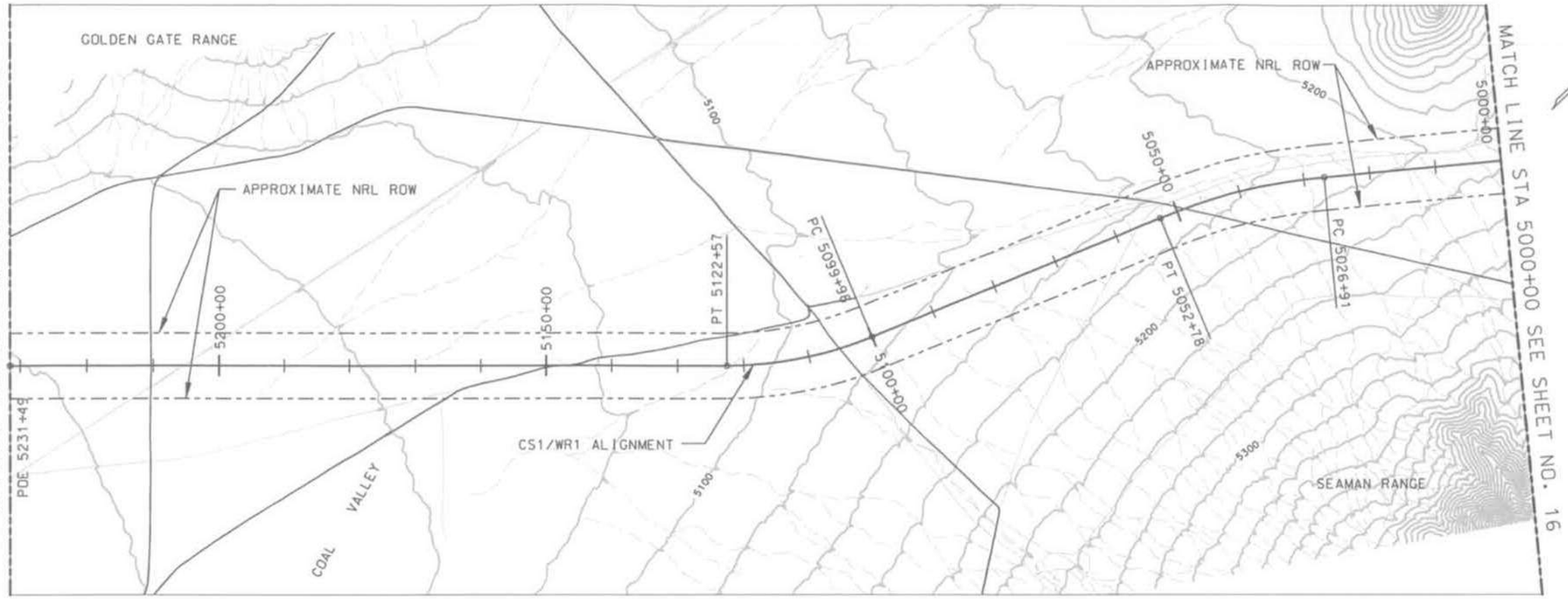

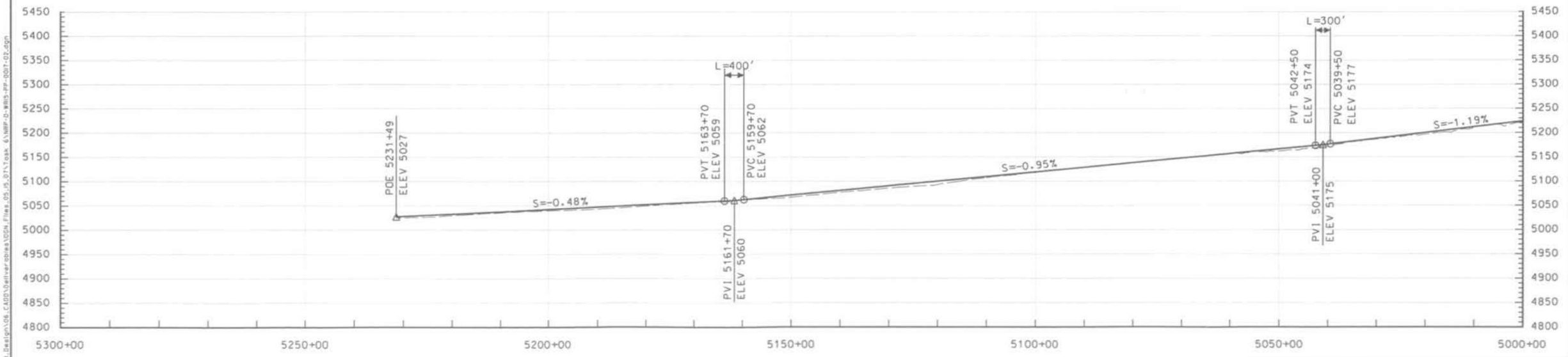

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	WHL
DESIGNER	PRD
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS1/WR1
5000+00 TO 5231+49

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-O-WR15-PP-0017-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 17 OF 100

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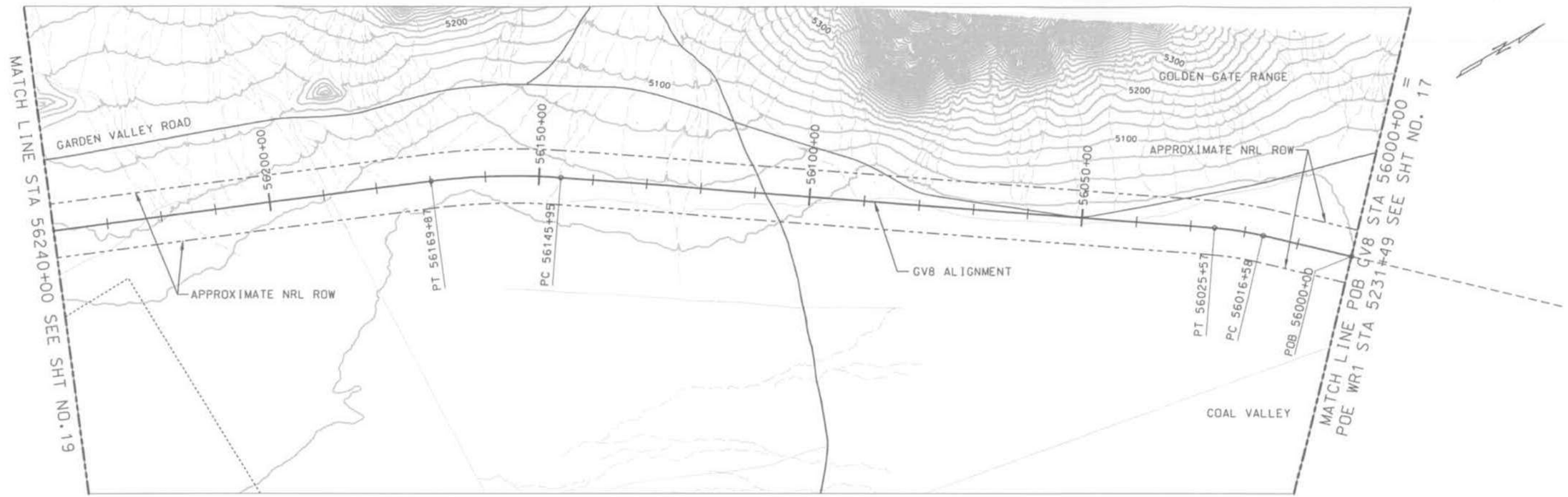

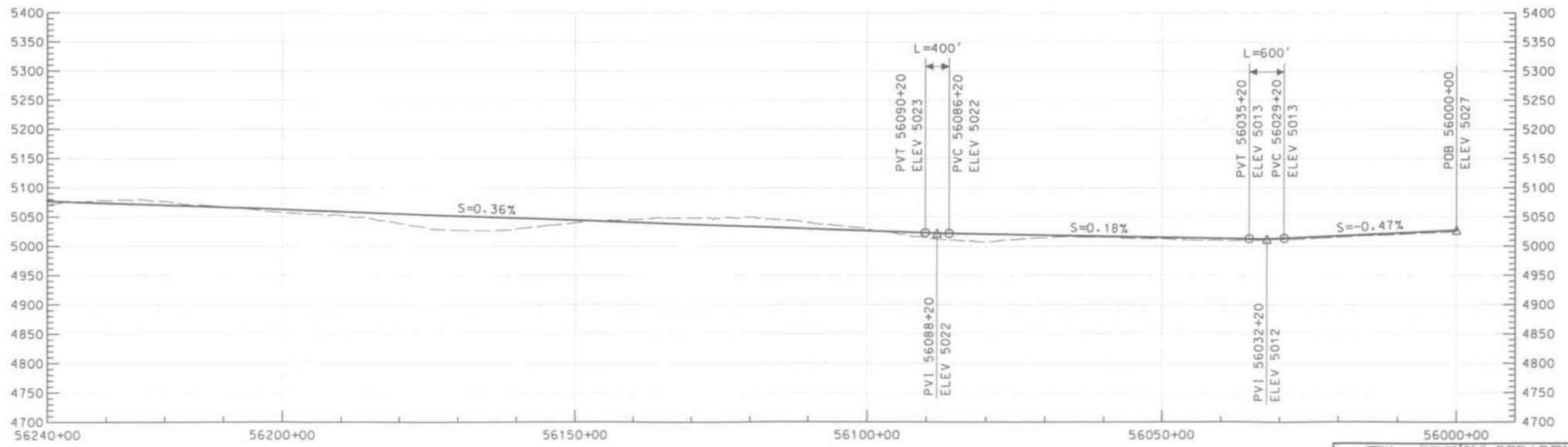

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	CJP
DESIGNER	CJP
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV8
56000+00 TO 56240+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-GV8I-PP-0018-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 18 OF 100

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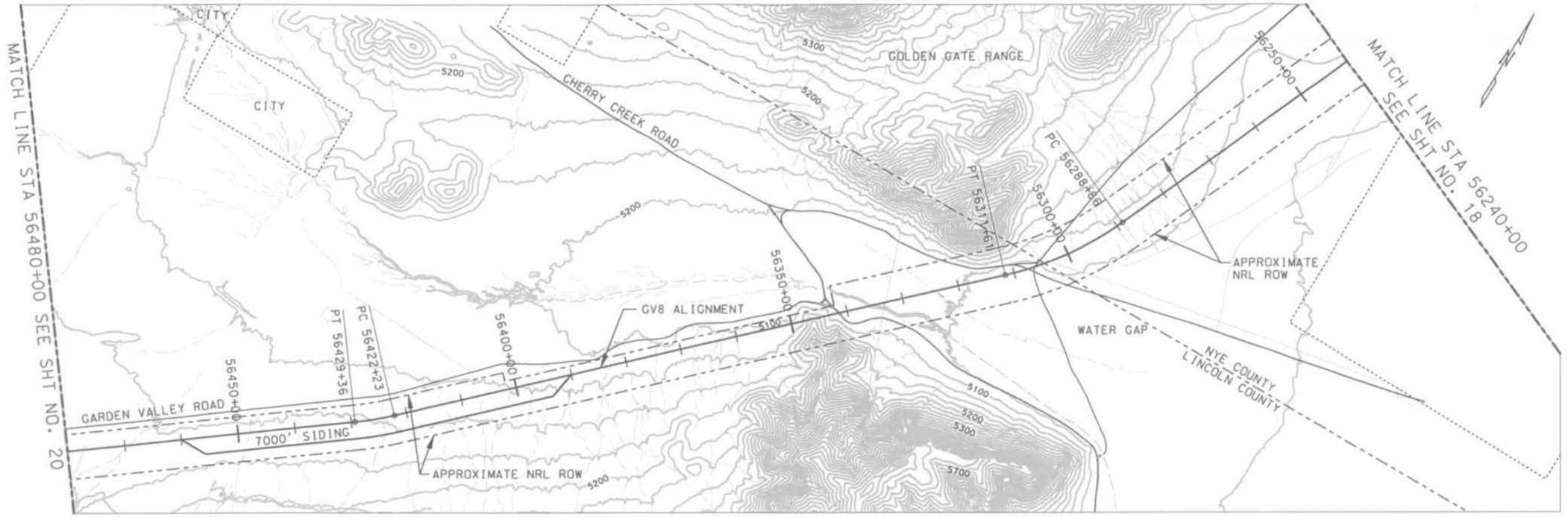

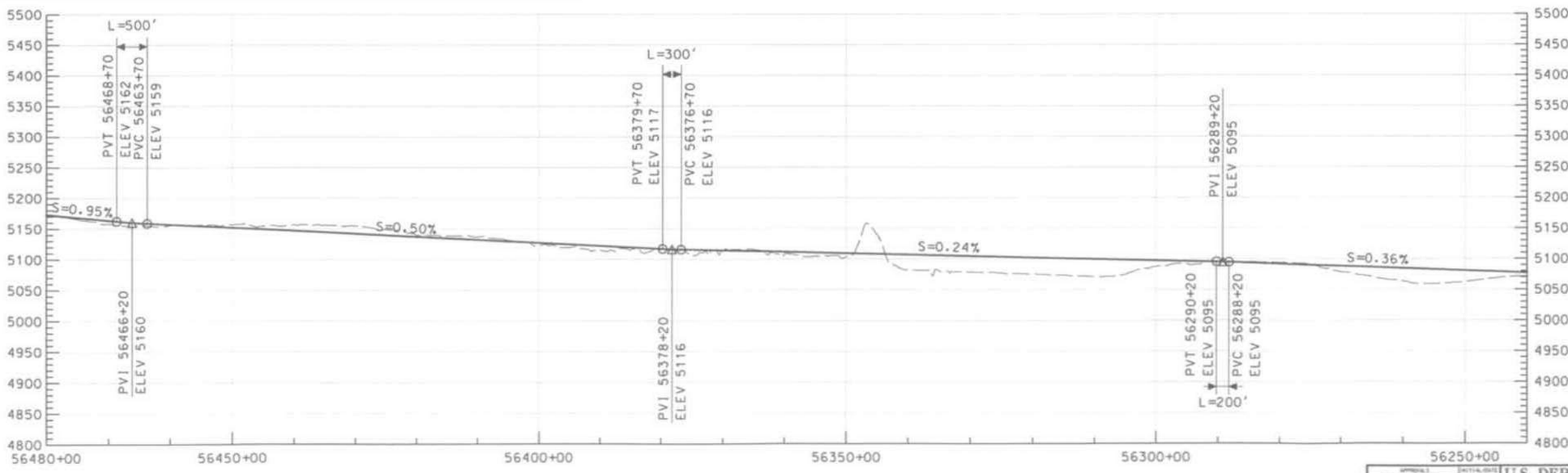

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY	CJP
DESIGNED BY	CJP
CHECKED BY	SNE
INDEPENDENT CHECK BY	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV8
56240+00 TO 56480+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-0-GV82-PP-0019-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 19 OF 100

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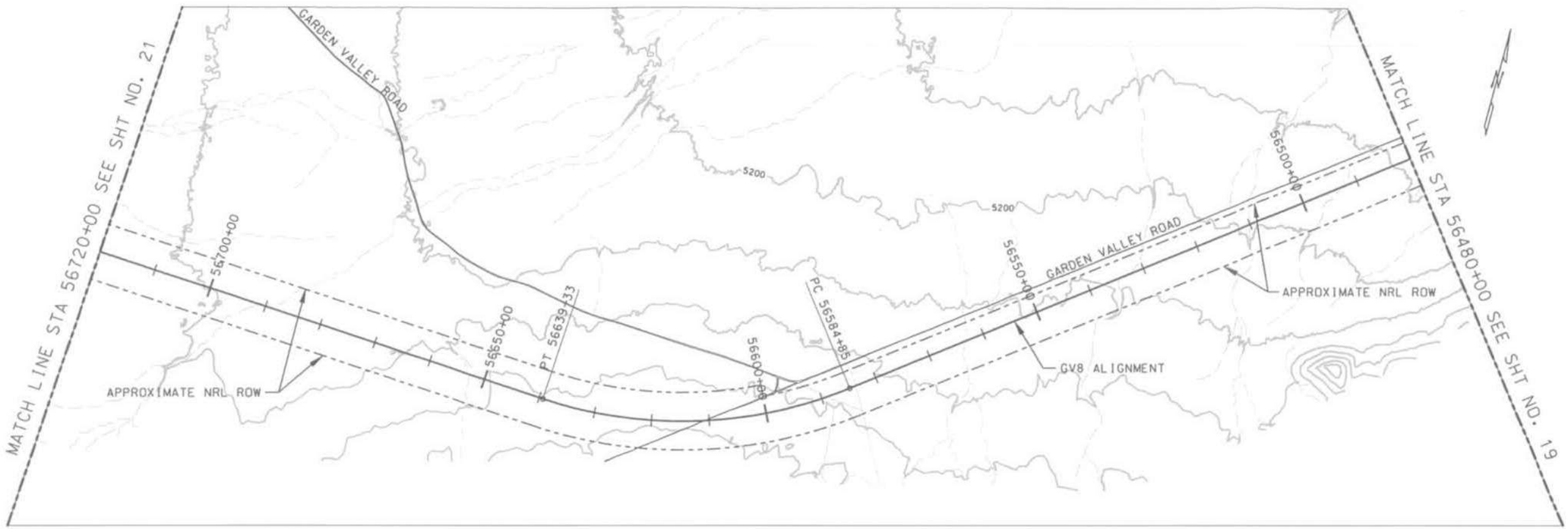

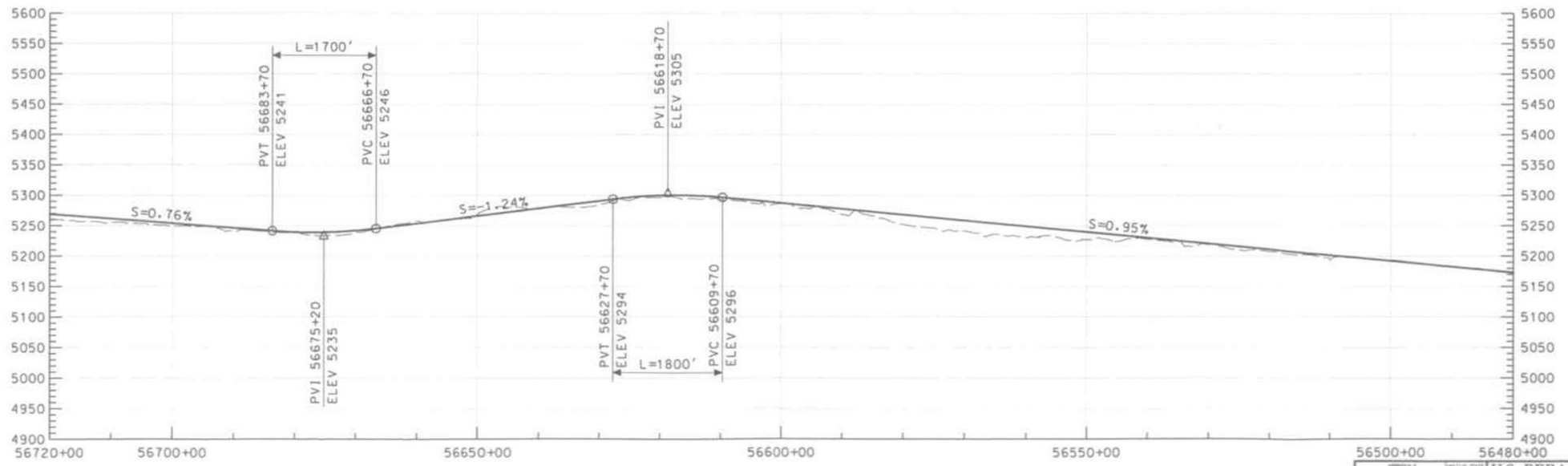

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DESIGNED BY: CJP	
DRAWN BY: CJP	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
FACILITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV8
56480+00 TO 56720+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY	CAD SOFTWARE	MICROSTATION V08.05.02.55	SHEET 20 OF 100

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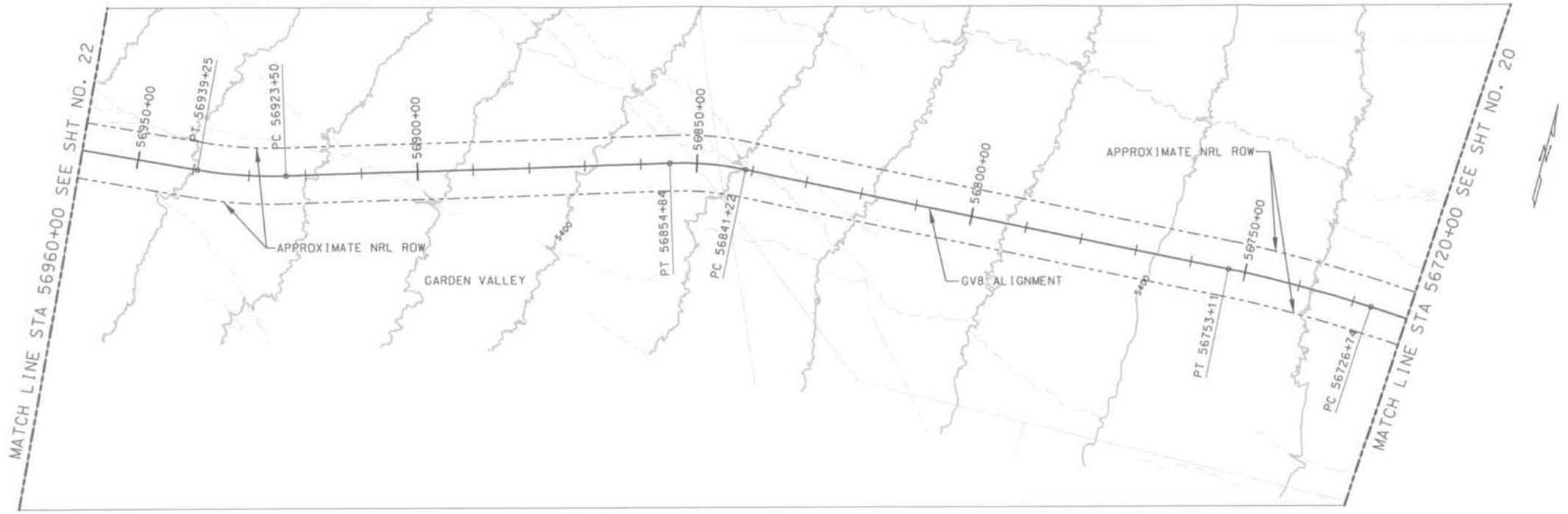

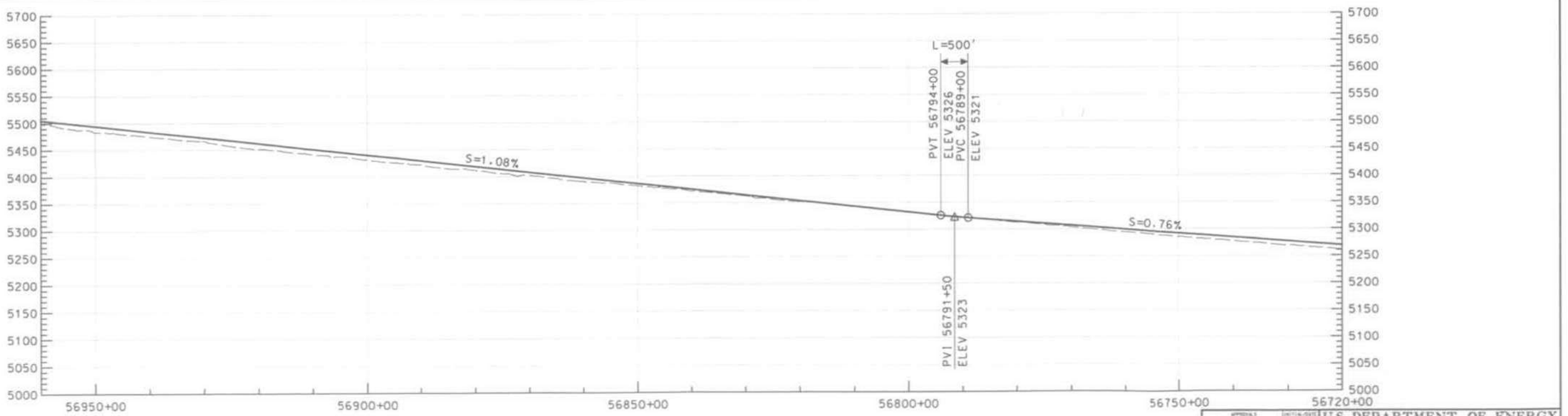

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: CJP	
DESIGNER: CJP	
CHECKED: SNE	
VERIFICATION: JRC	
RESPONSIBLE ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV8
56720+00 TO 56960+00

SIZE	SCALE	DRAWING IDENTIFIER	REV
D	AS SHOWN	NRP-D-GV84-PP-0021-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 21 OF 100

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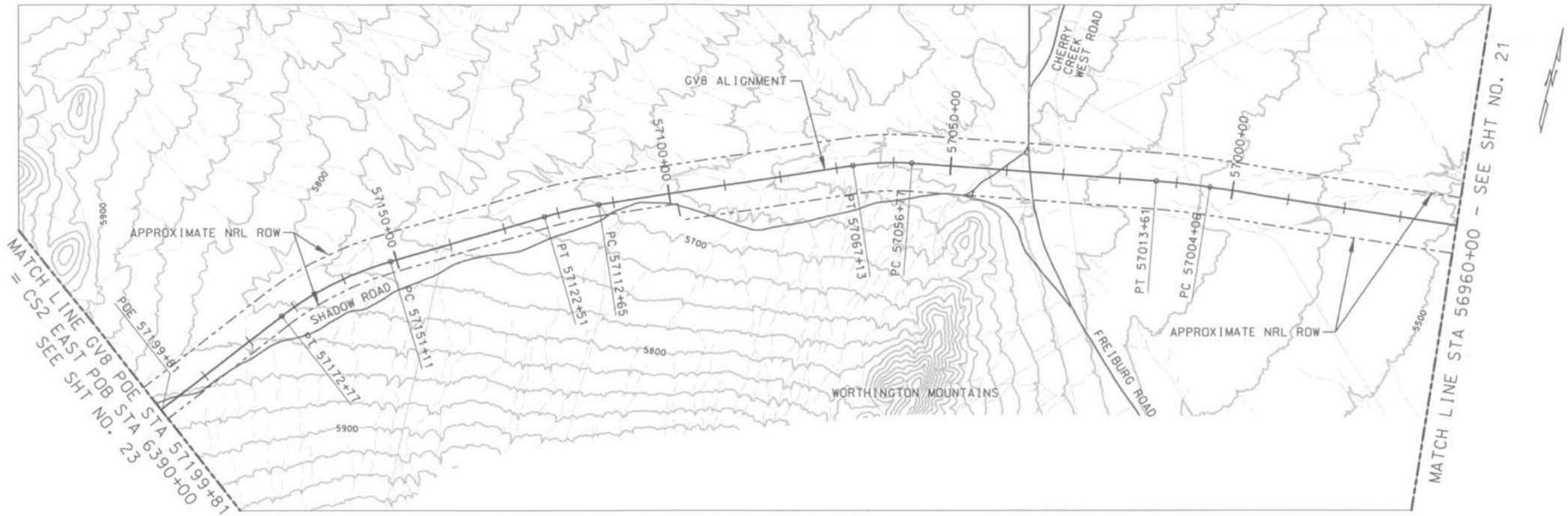

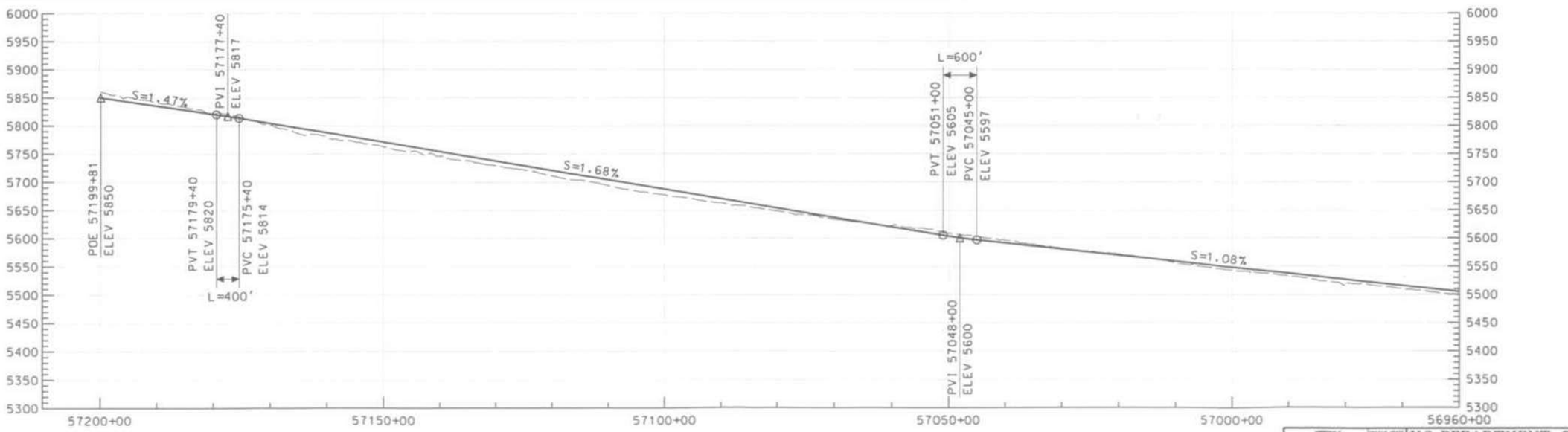

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY CJP	
DESIGNATOR CJP	
CHECKER SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

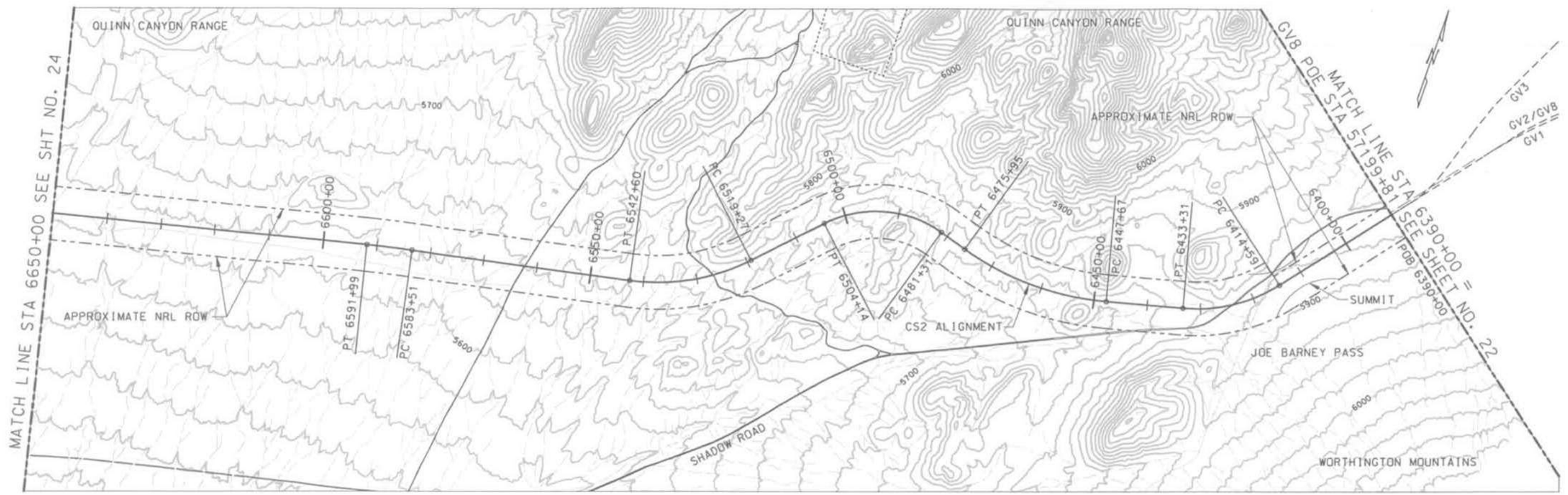
U.S. DEPARTMENT OF ENERGY
Office of National Transportation

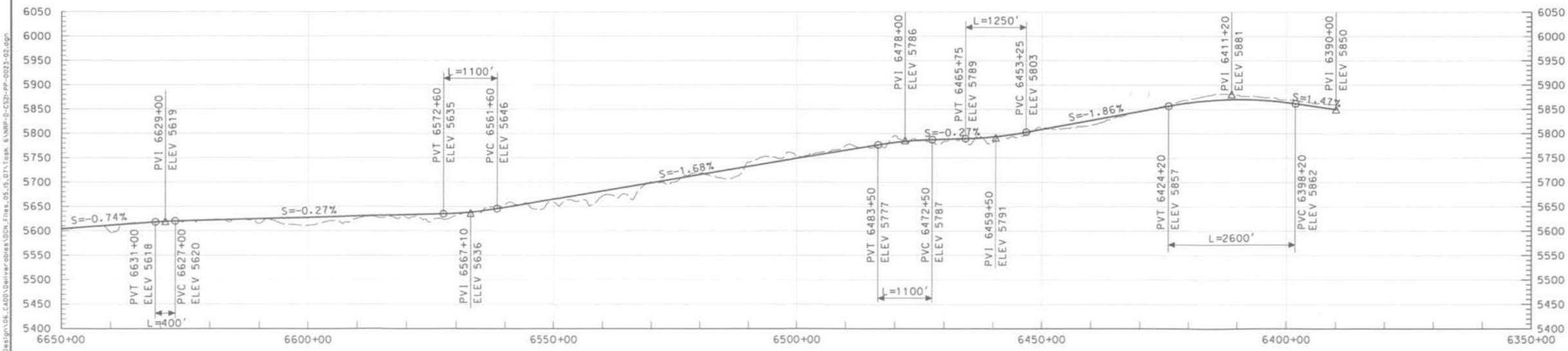
BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV8
56960+00 TO 57199+81

SIZE | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-D-GV85-PP-0022-02 | REV 02

SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 22 OF 100





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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: WHL	
DESIGNATOR: PRO	
CHECKED: SNE	
DESCRIPTION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS2 EAST
6390+00 TO 6650+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-D-CS21-PP-0023-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 23 OF 100

5/3/2007
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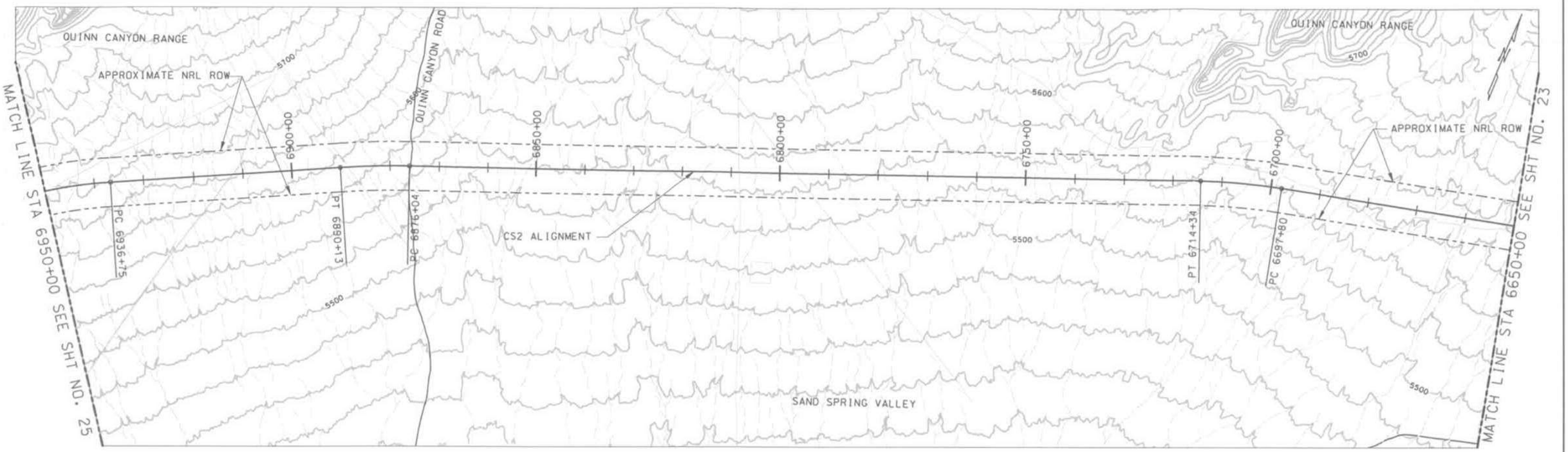

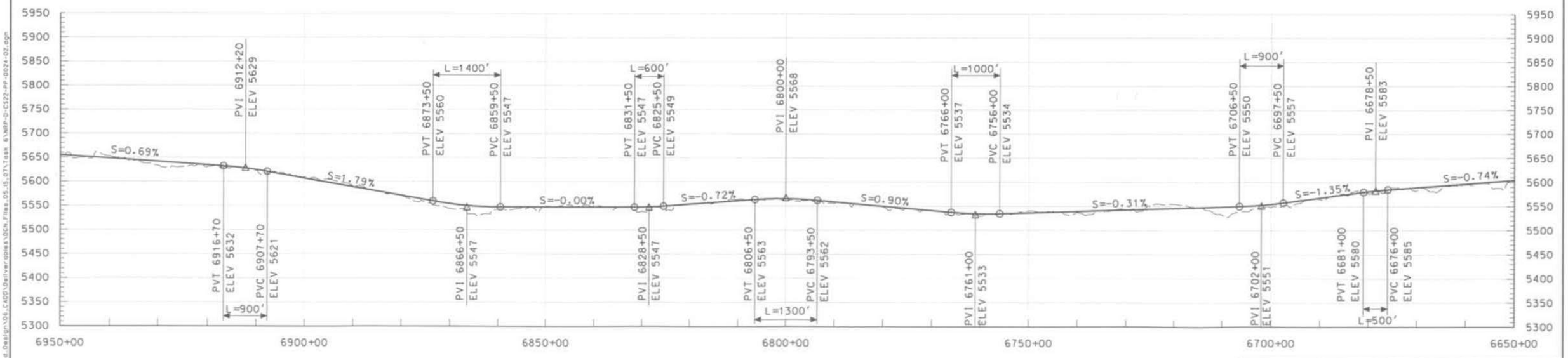

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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

NO.	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY JLB	
DESIGNATOR PRD	
CHECKED SNE	
REVIEWED JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP. TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS2 EAST
6650+00 TO 6950+00

SIZE	SCALE	ASSIGNMENT IDENTIFICATION	REV
A1	AS SHOWN	NRP-D-CS22-PP-0024-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 24 OF 100

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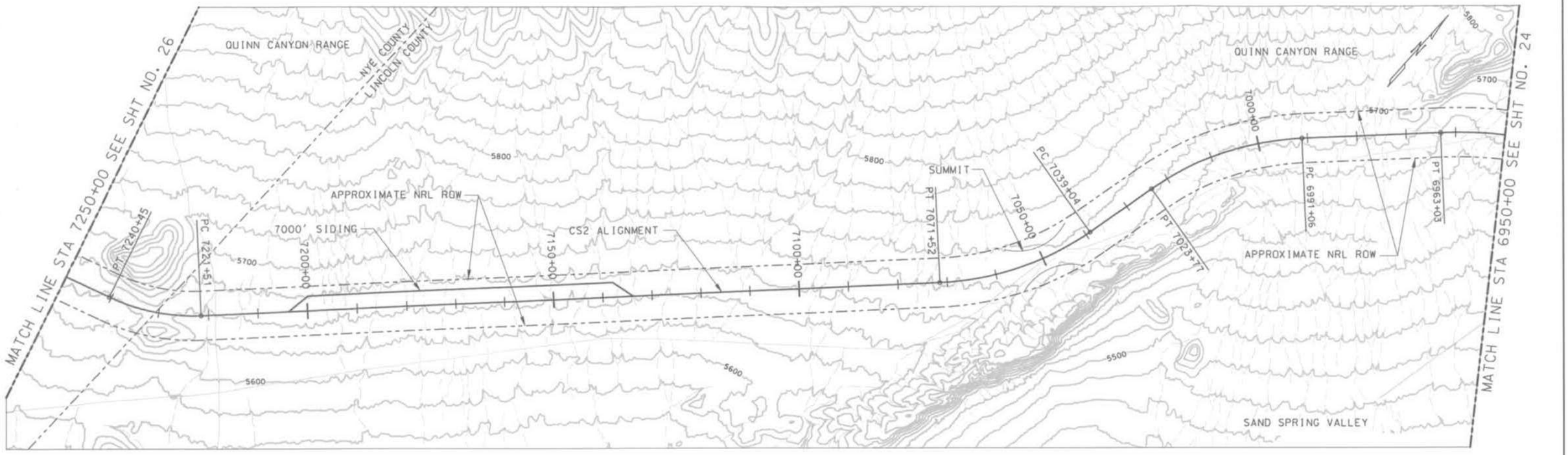

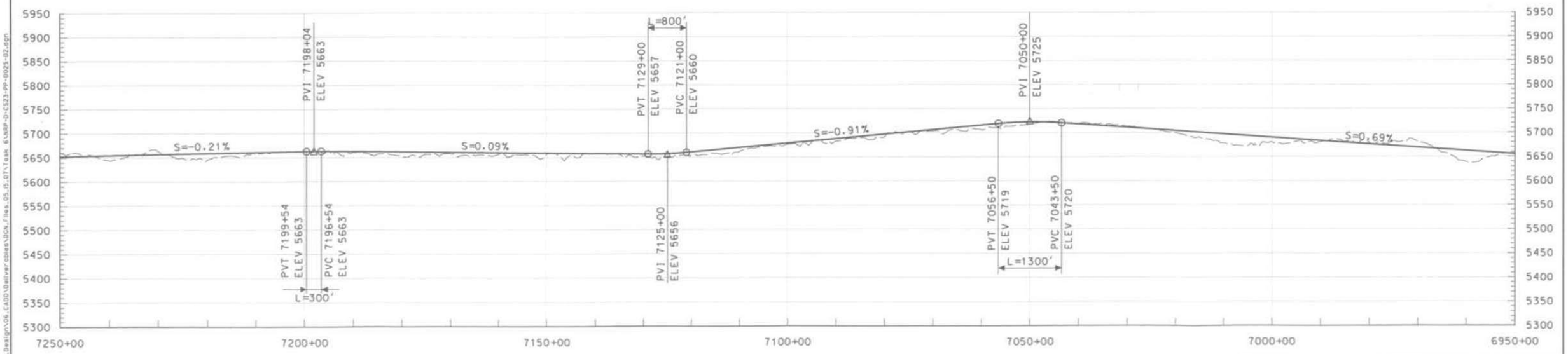

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: JLB	
DESIGNATOR: PRD	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
REALTY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS2 EAST
6950+00 TO 7250+00

TITLE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-D-CS23-PP-0025-02	02
SAFETY CATEGORY	CAD SOFTWARE	MICROSTATION V08.05.02.55	SHEET 25 OF 100

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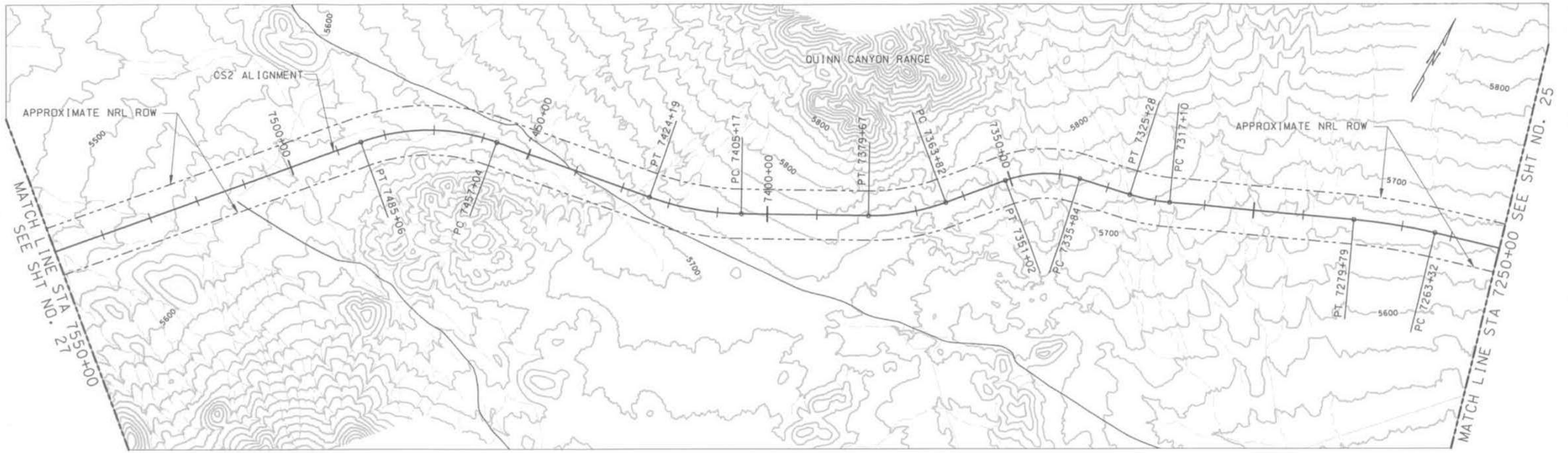

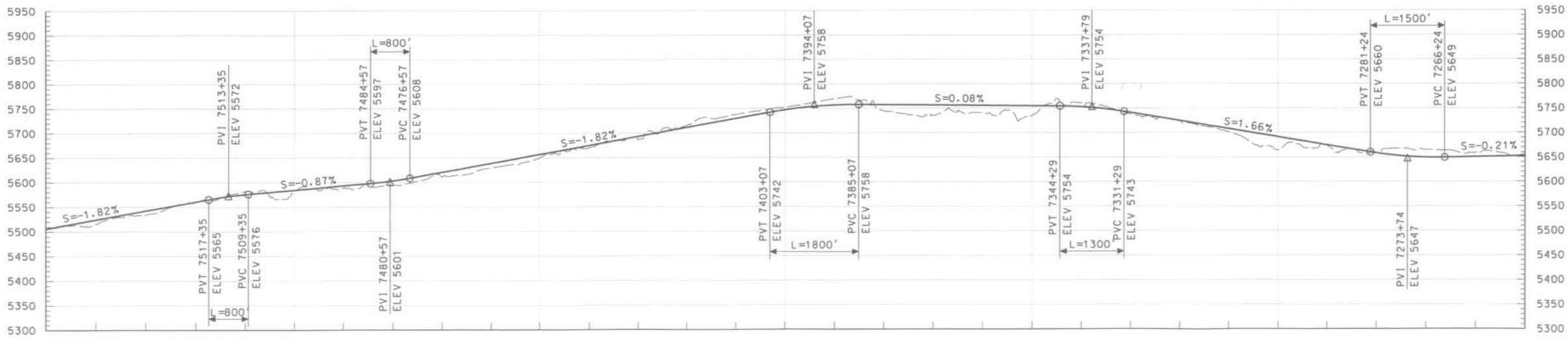

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	JLB
DESIGNER	PRD
CHECKED	SNE
MODIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS2 EAST
7250+00 TO 7550+00

SCALE	DOCUMENT IDENTIFIER	REV
AS SHOWN	NRP-0-CS24-PP-0026-02	02
SAFETY CATEGORY	CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 26 OF 100

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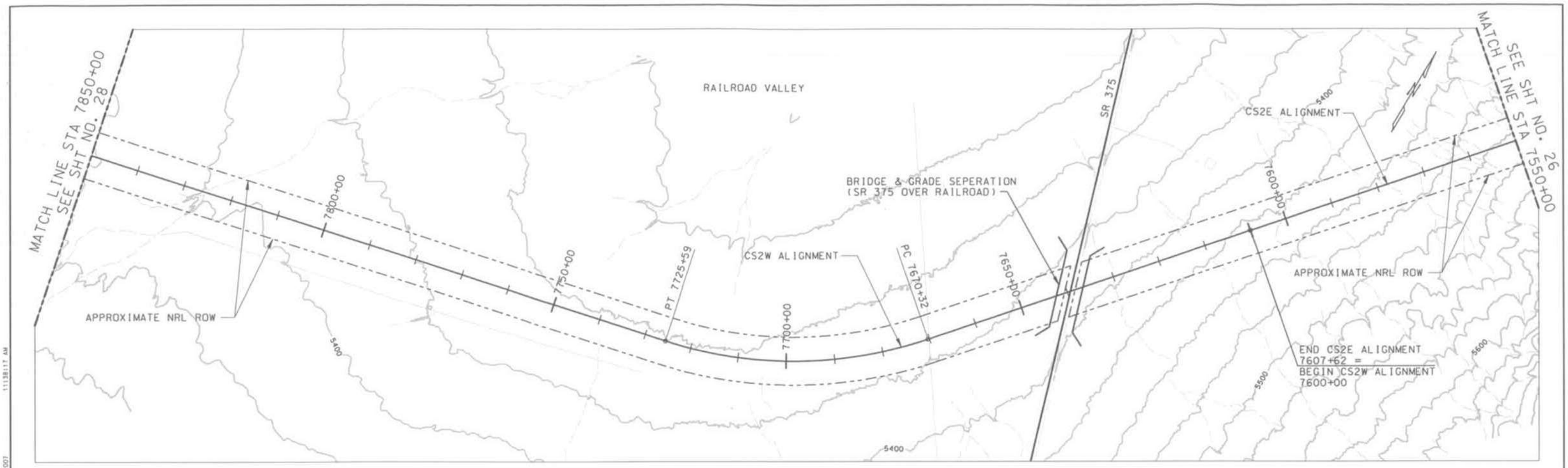

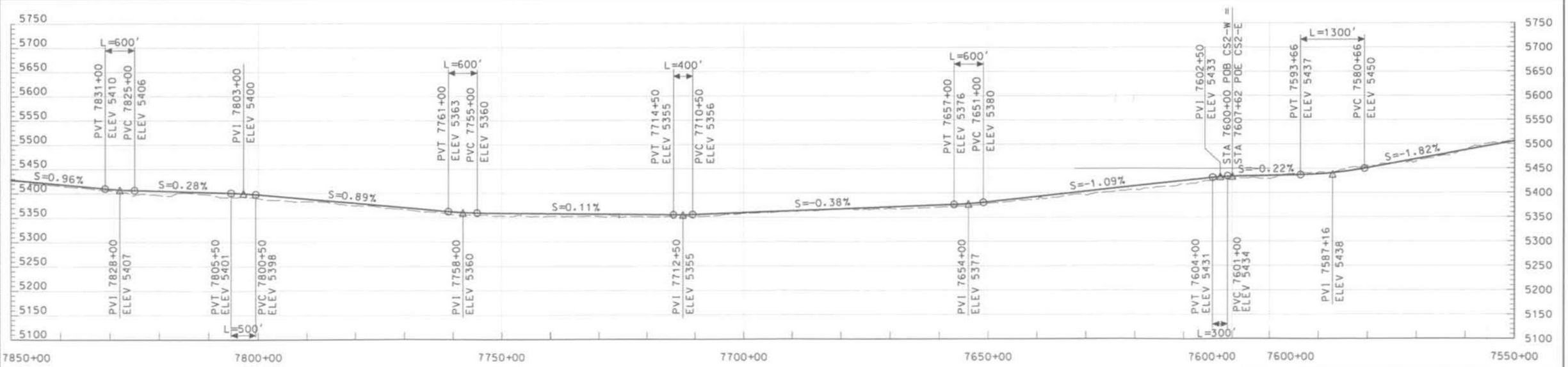

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY JLB	
DESIGNATOR PRD	
CHECKED SNE	
DESCRIPTION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS2E/CS2W
7550+00 TO 7850+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-CS25-PP-0027-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 27 OF 100

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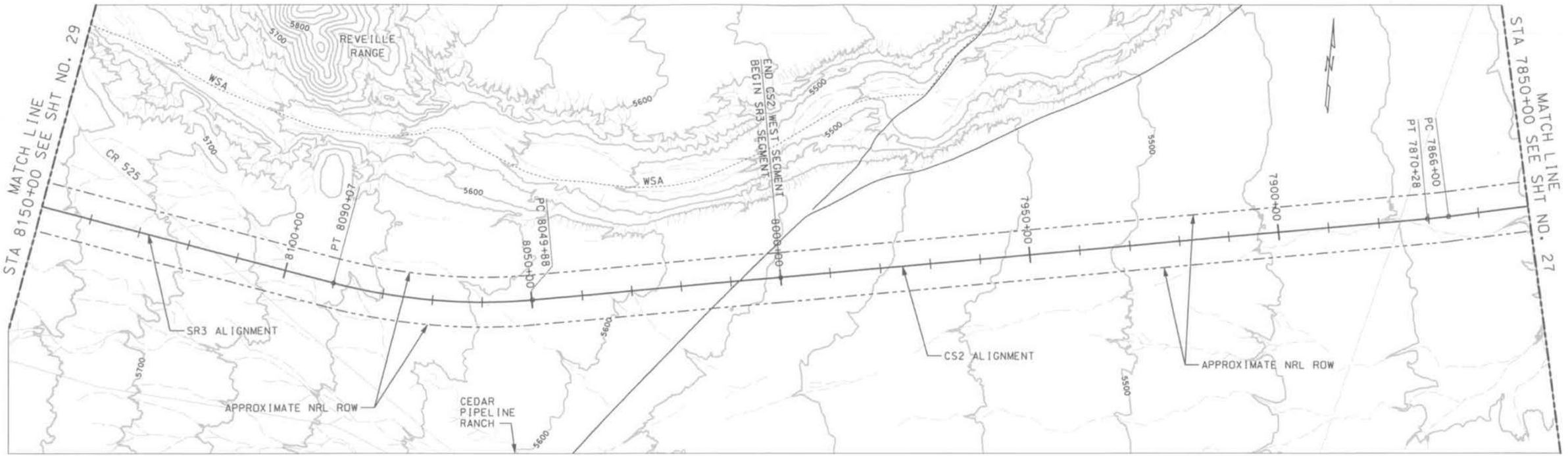

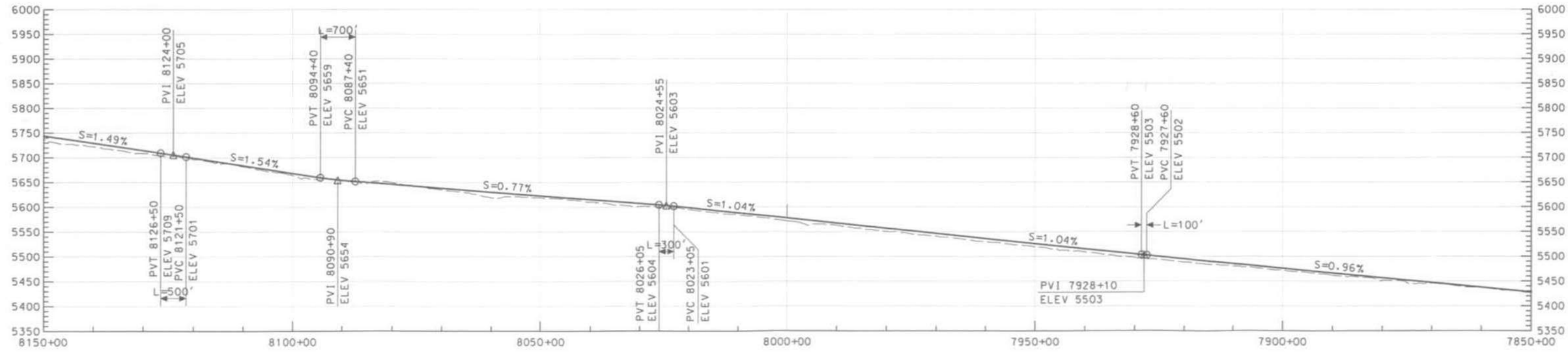

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DIGITAL/DATE
DRAWN BY JMN	
DESIGNER LCL	
CHECKER SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS2 WEST / SR3
7850+00 TO 8150+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-CS26-PP-0028-02	02
SAFETY CATEGORY	CAD DGN FILE: MICROSTATION V08.05.02.55	SHEET 28 OF 100	

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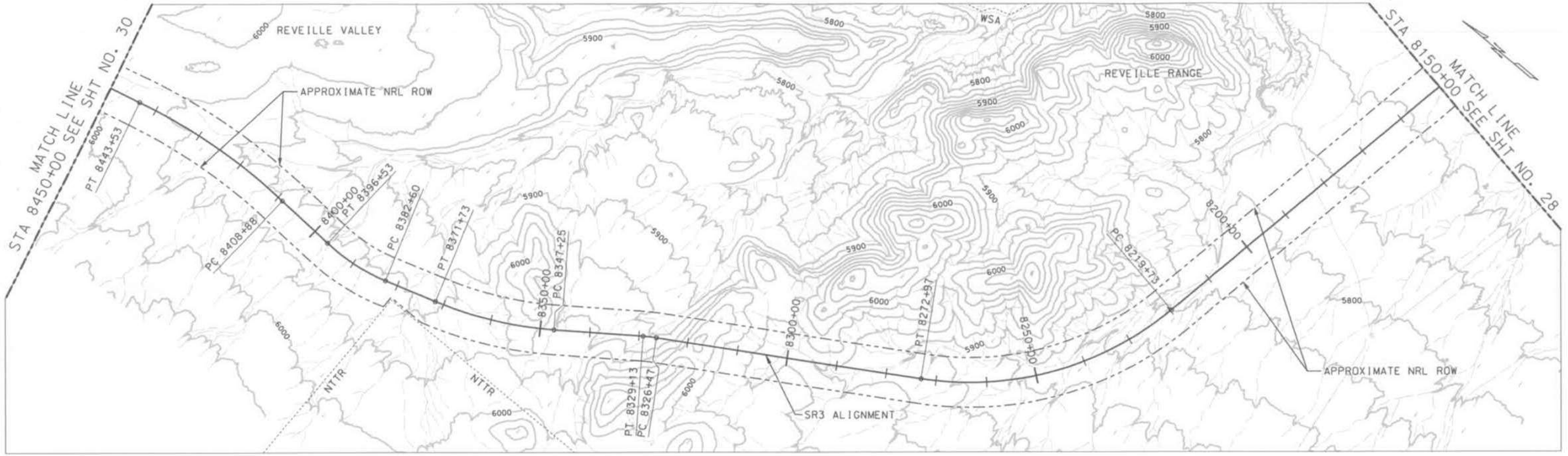

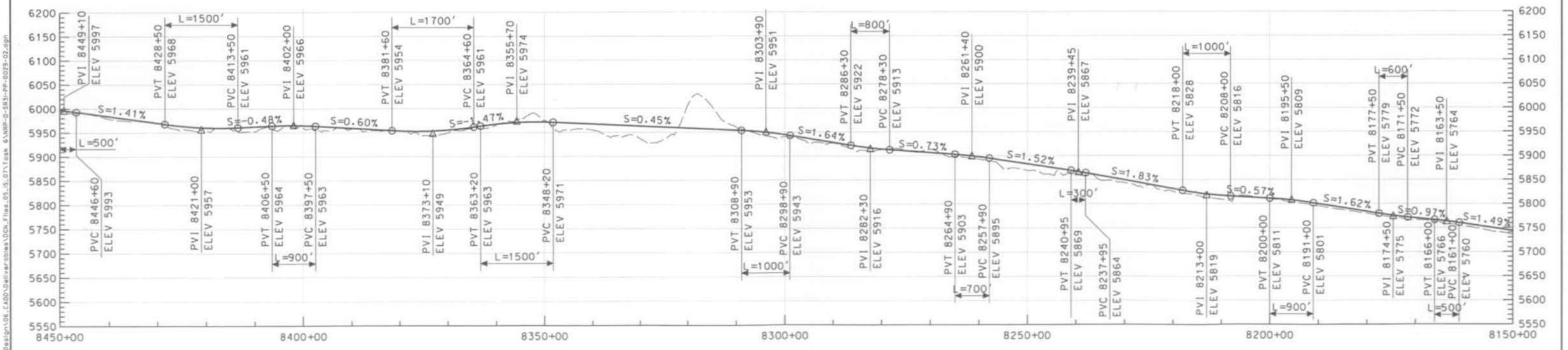

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	JMN
DESIGNER	LCL
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

SR3
8150+00 TO 8450+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
A1	AS SHOWN	NRP-D-SR31-PP-0029-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 29 OF 100

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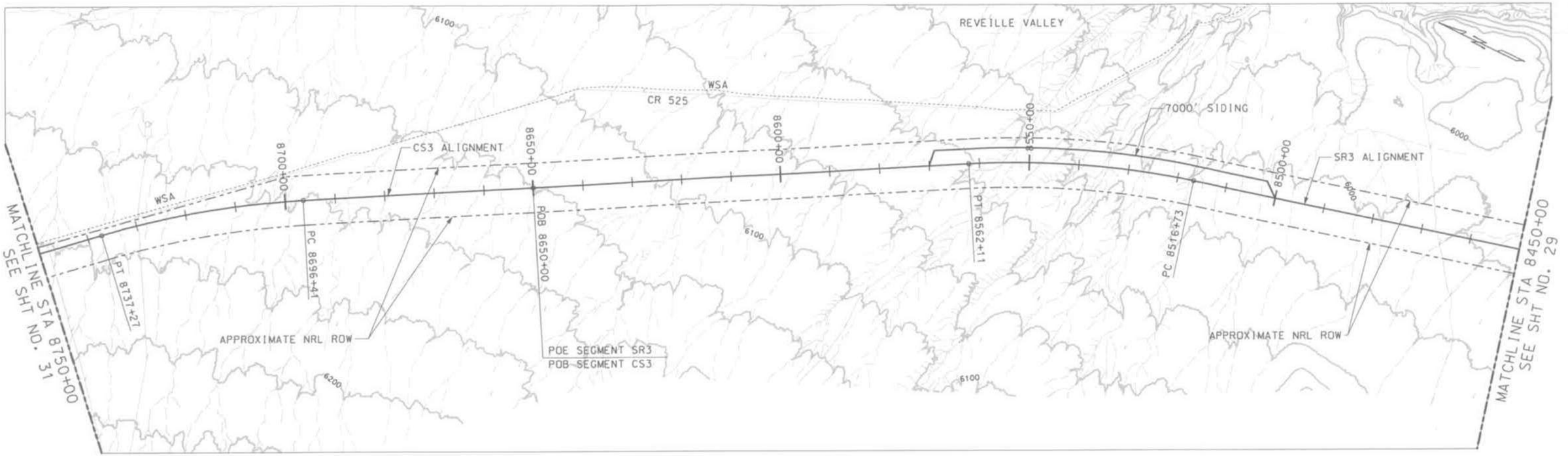

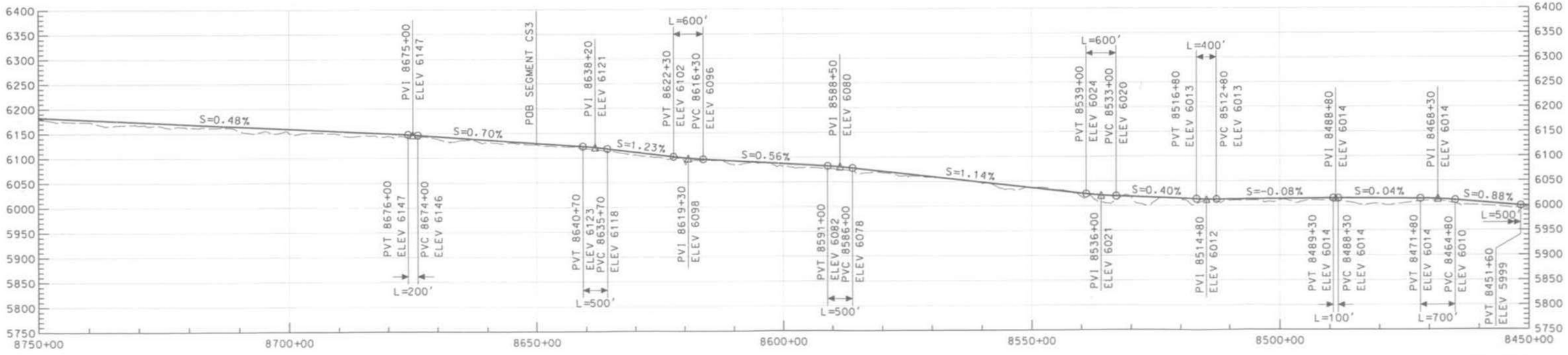

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY JMN	
DESIGNED BY LCL	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

SR3 / CS3
8450+00 TO 8750+00

SIZE B | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-0-SR32-PP-0030-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 30 OF 100

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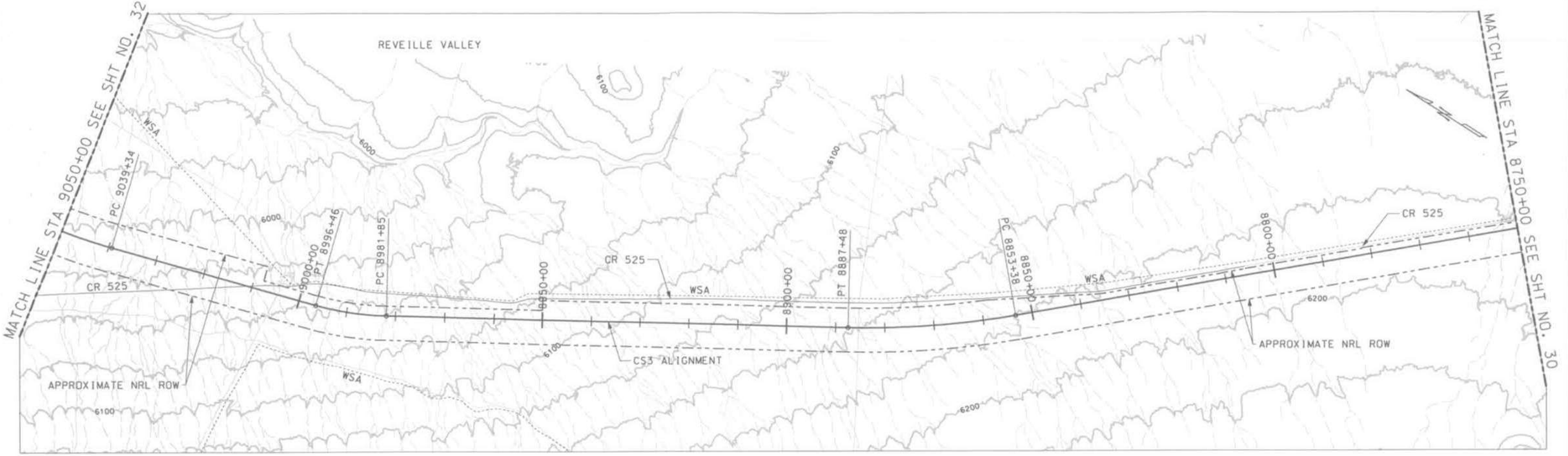

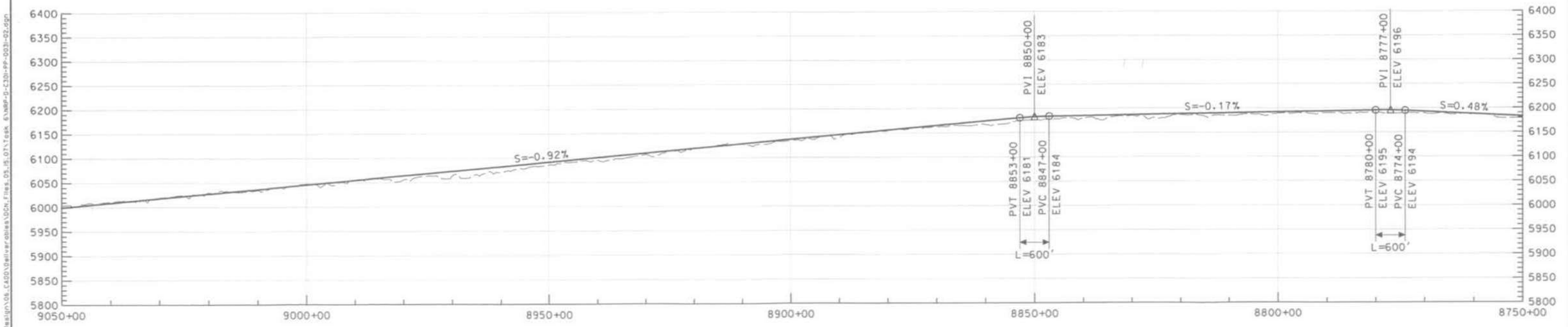

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIALS/DATE
DRAWN BY: GKR	
DESIGNED BY: JBB	
CHECKED BY: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
8750+00 TO 9050+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-0-C301-PP-0031-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 31 OF 100

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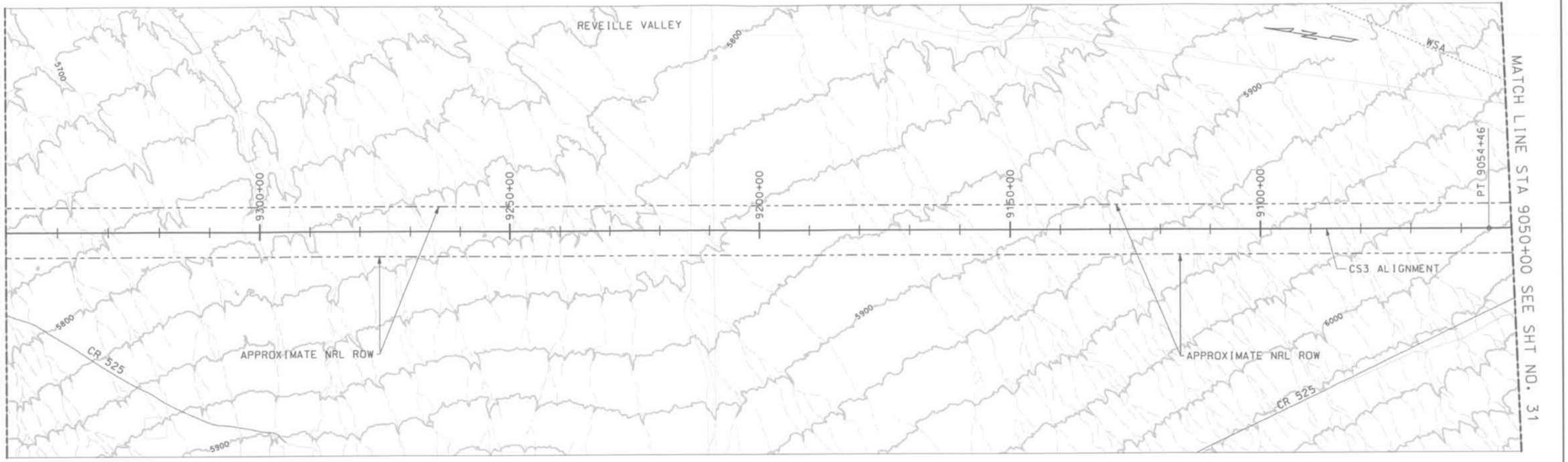

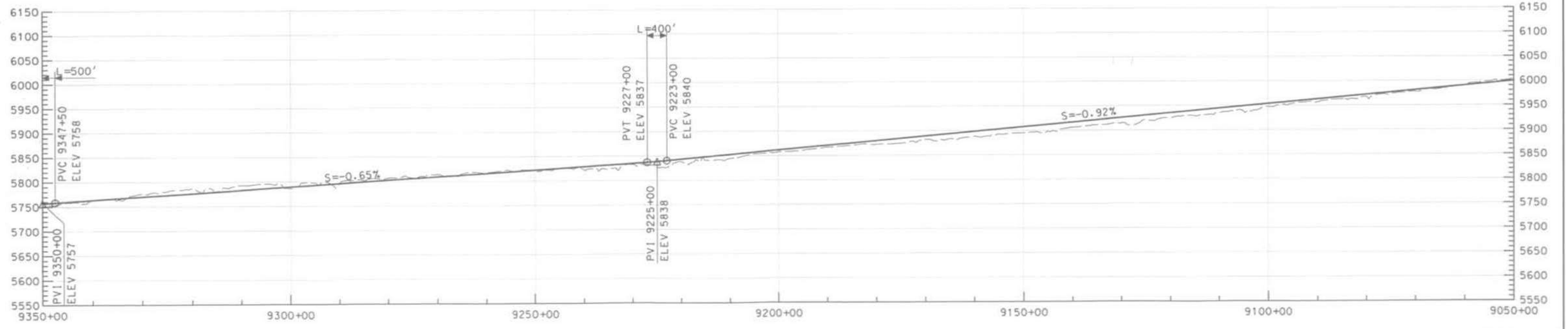

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	CKR
DESIGNER	JBB
CHECKED	SNE
IDENTIFICATION	JRC
DESIGN FEATURE ENGINEER	LEM
QUALITY ENGINEERING DEPT	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
9050+00 TO 9350+00

SIZE D | SCALE AS SHOWN | DRAWING IDENTIFIER NRP-0-C302-PP-0032-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 32 OF 100

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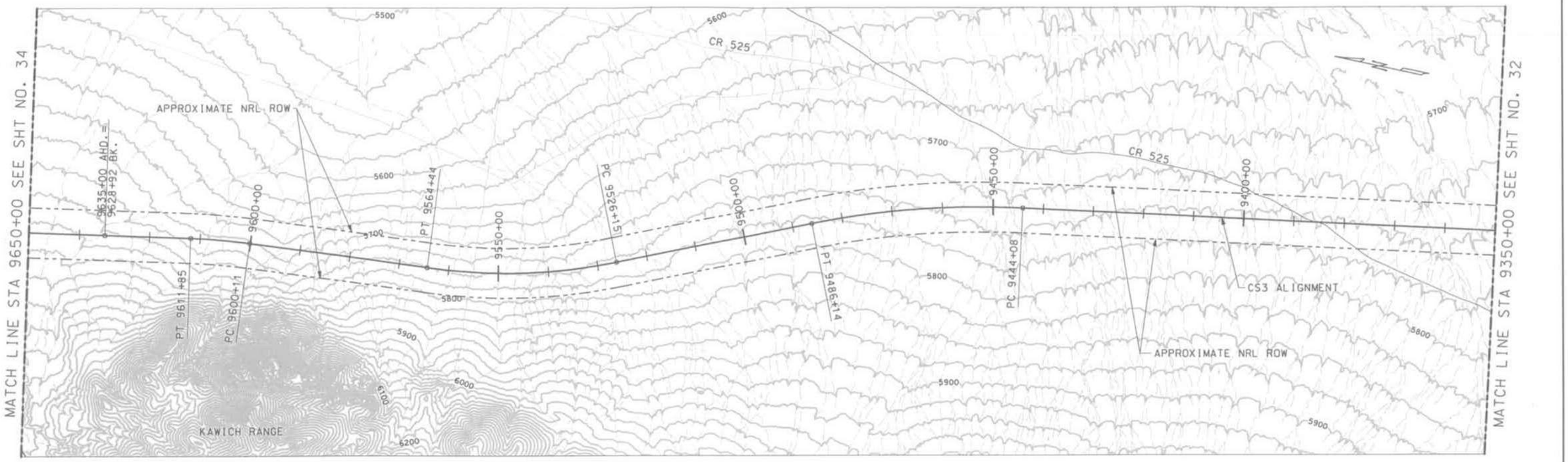

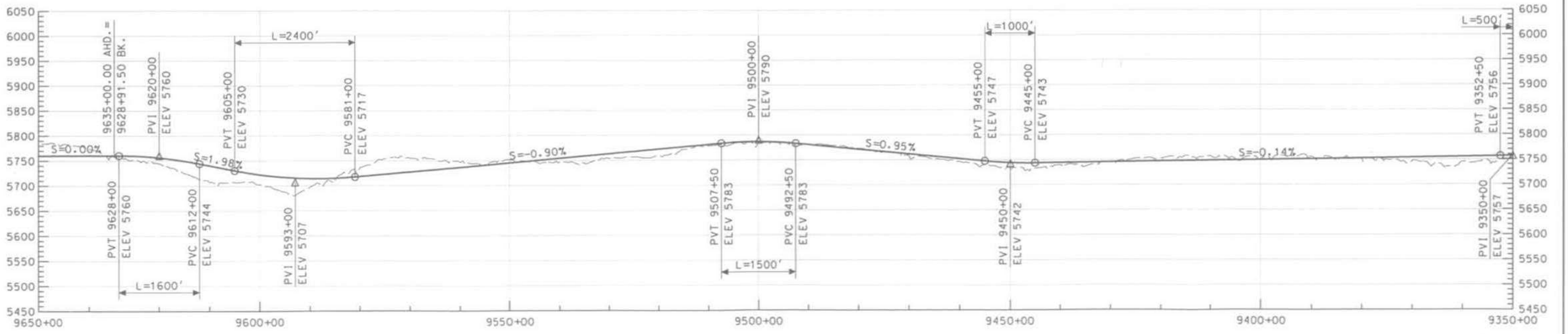

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DATE
DRAWN BY: GKR	
ORIGINATOR: JBB	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
9350+00 TO 9650+00

SIZE	SCALE	DOCUMENT IDENTIFICATION	REV
D	AS SHOWN	NRP-D-C303-PP-0033-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 33 OF 100

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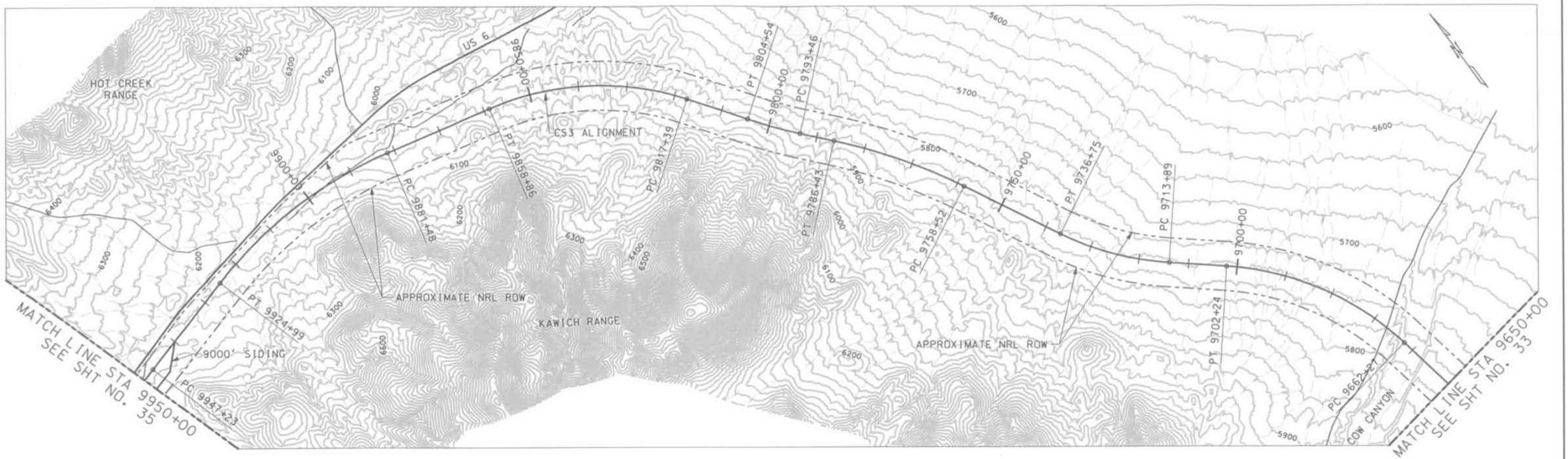

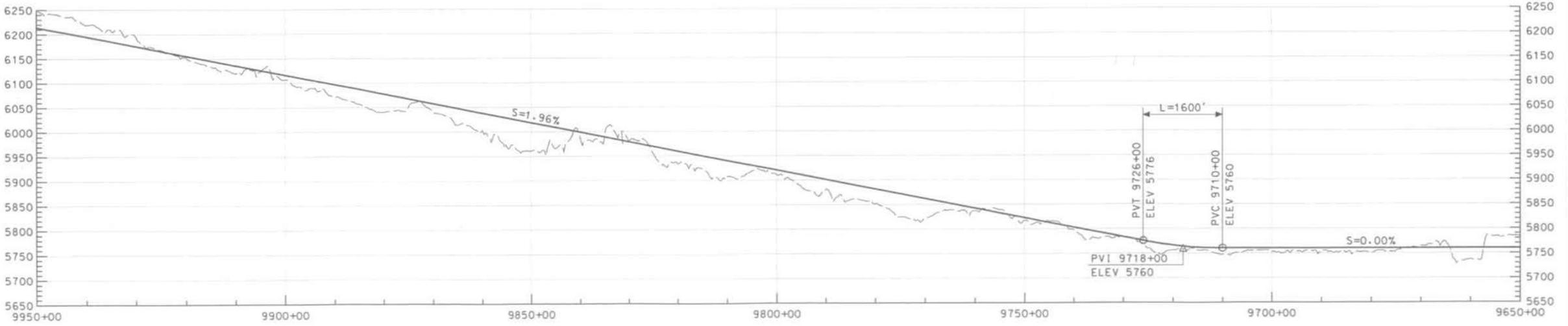

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: GKR	
DESIGNATION: JBB	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
9650+00 TO 9950+00

SIZE	SCALE	DRAWING IDENTIFIER	REV
	AS SHOWN	NRP-D-C304-PP-0034-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 34 OF 100

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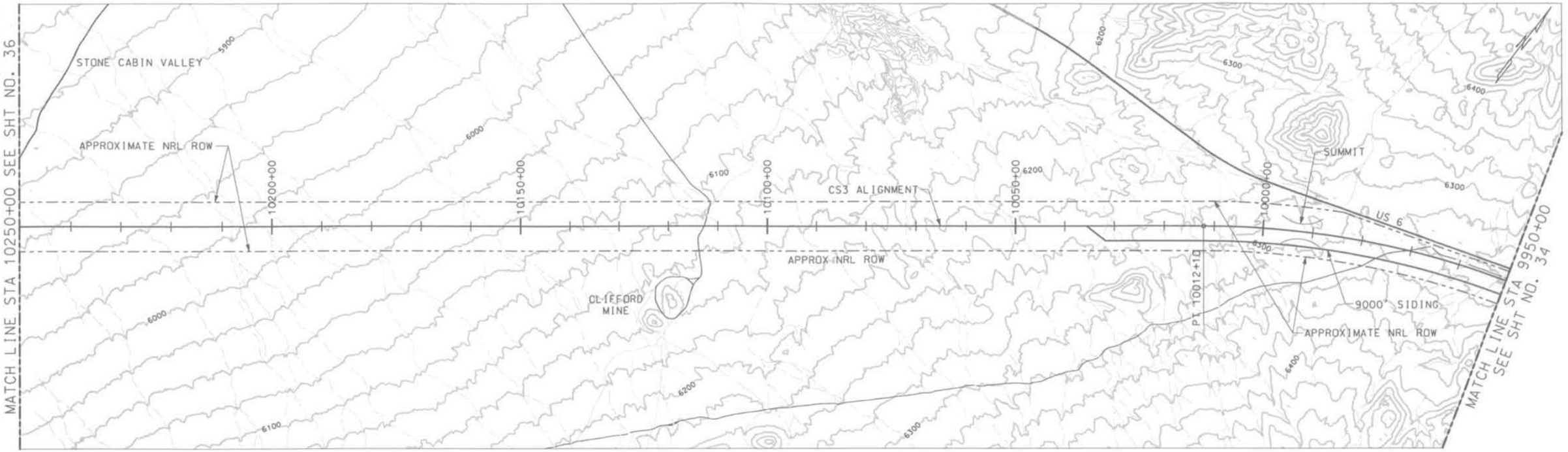

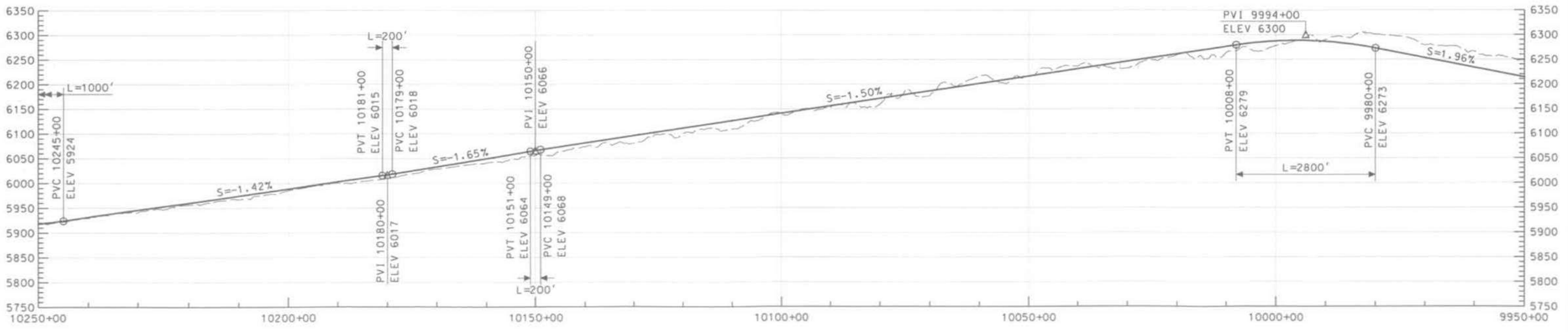

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DATE
DRAWN BY: CKR	
DESIGNER: JBB	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
9950+00 TO 10250+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-0-C305-PP-0035-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 35 OF 100

5/15/2007

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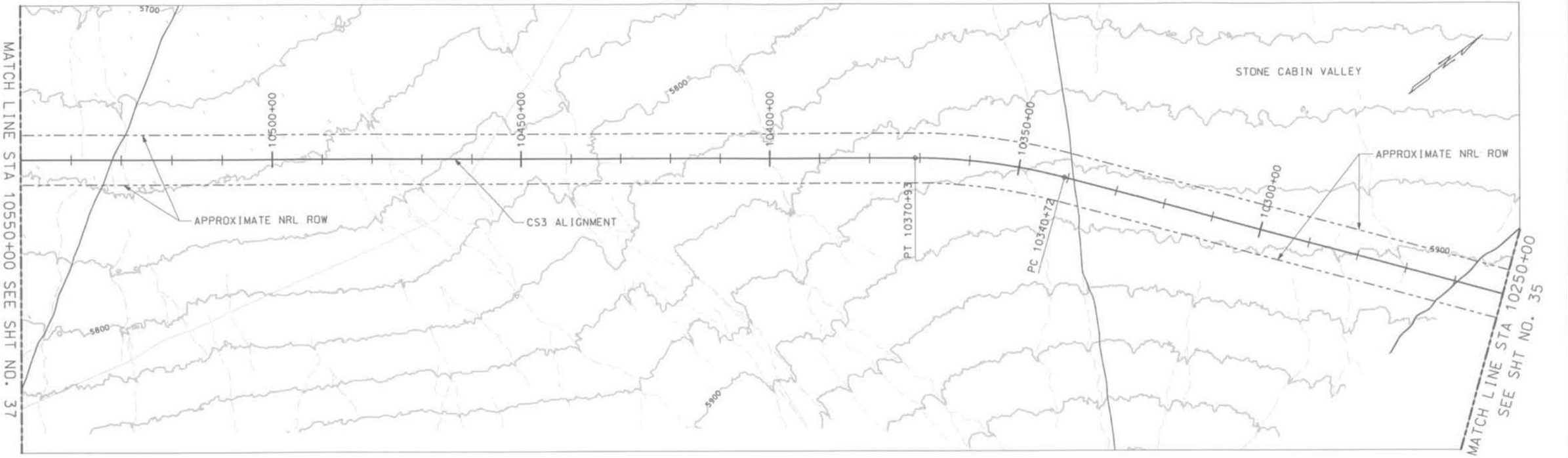

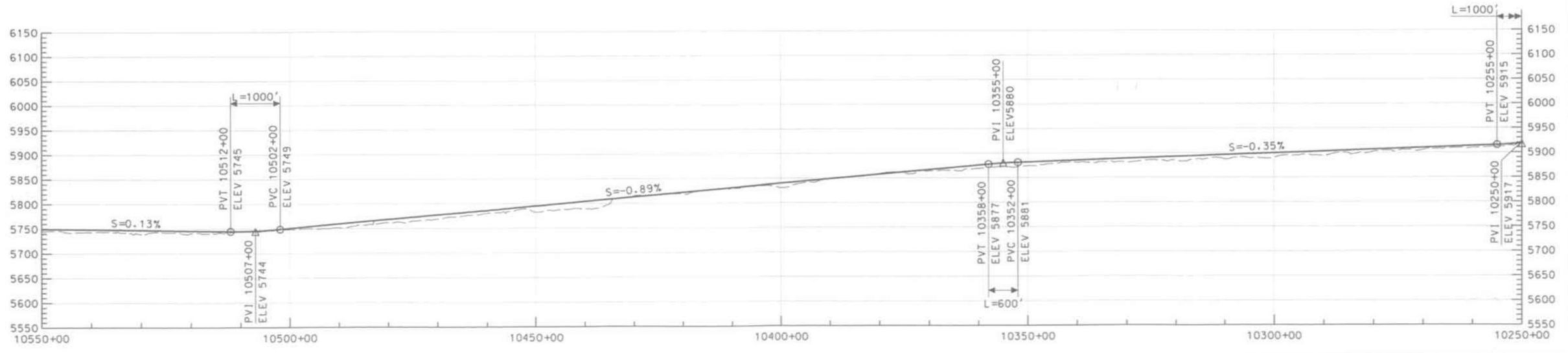

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY GKR	
DESIGNER JBB	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
10250+00 TO 10550+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
B1	AS SHOWN	NRP-0-C306-PP-0036-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 36 OF 100

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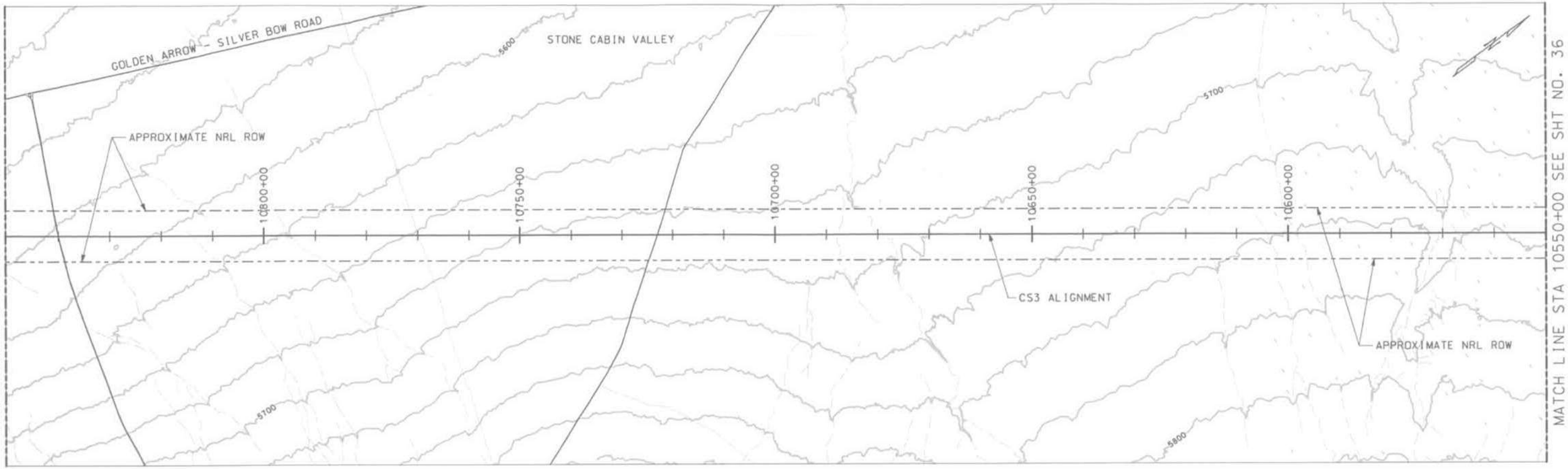

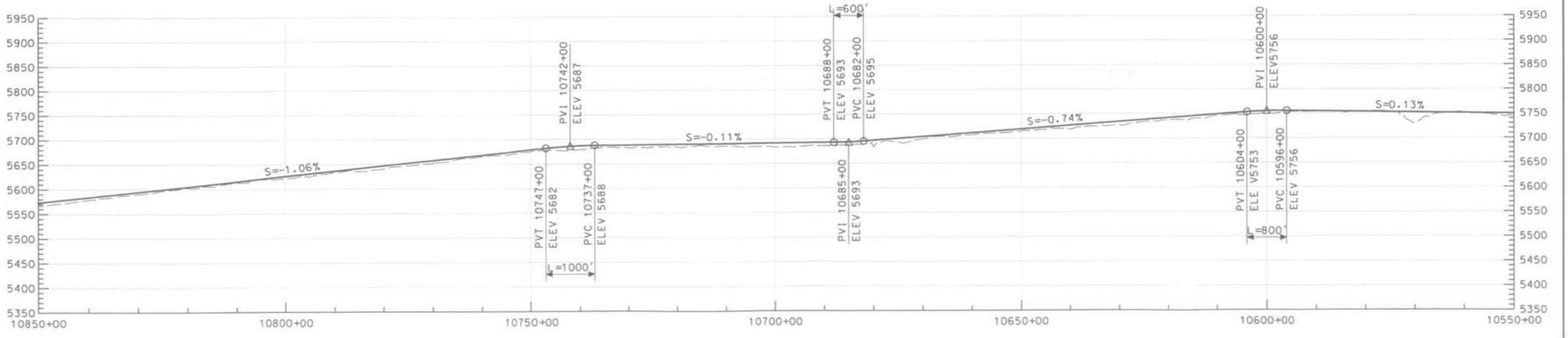

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	GKR
DESIGNED	JBB
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
10550+00 TO 10850+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-0-C307-PP-0037-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 37 OF 100

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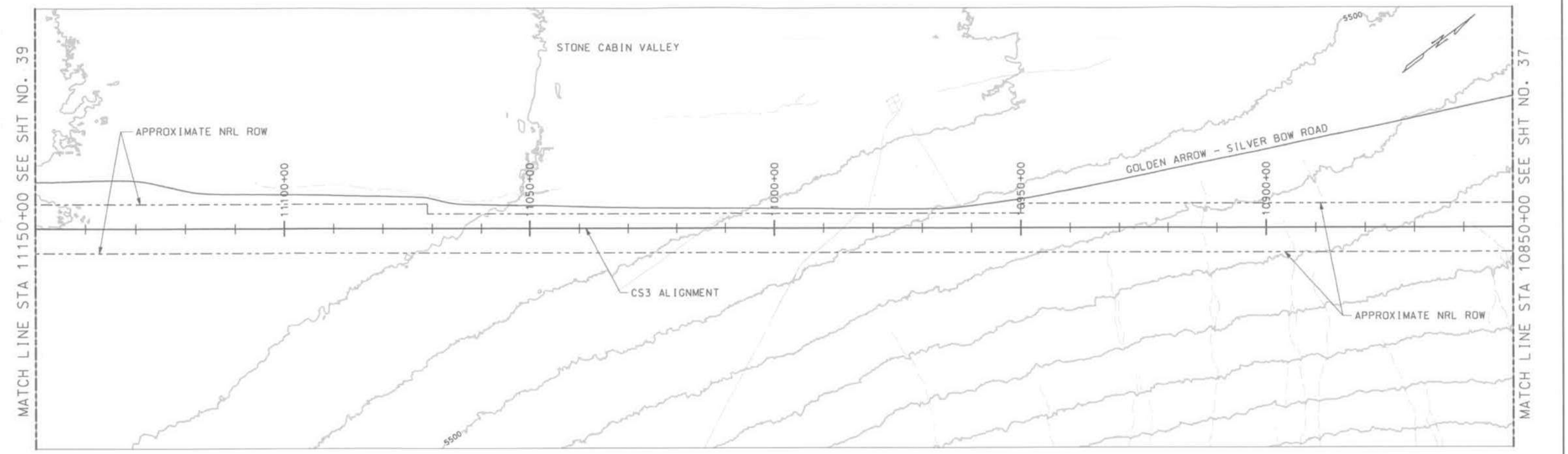

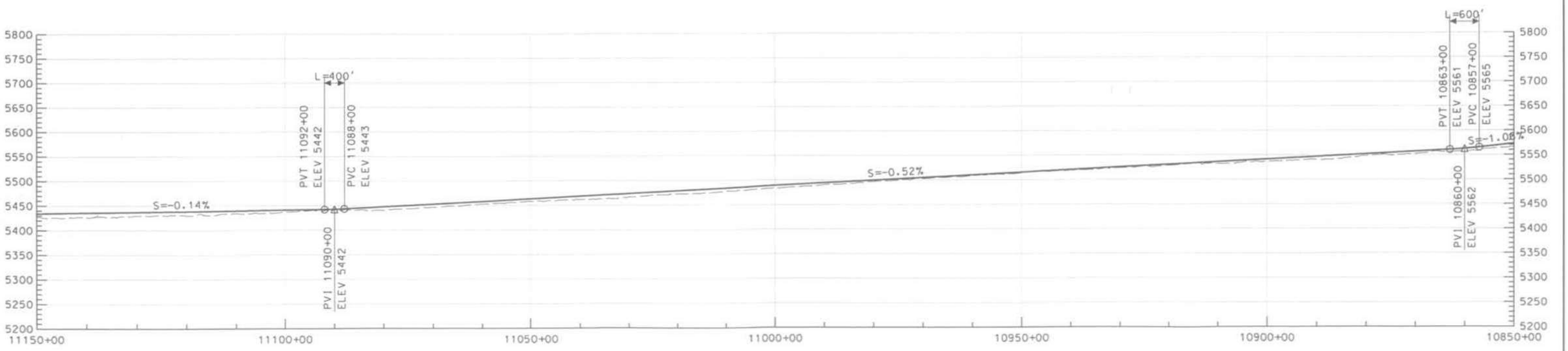

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

X 500' 0 500' 1000' 2000'

Y 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	GKR
CHECKED	JBB
VERIFICATION	SNE
DESIGN LEAD ENGINEER	JRC
QUALITY ENGINEERING REP	LEM
PROJECT ENGINEER	TMS
APPROVED	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
10850+00 TO 11150+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
A1	AS SHOWN	NRP-D-C308-PP-0038-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 38 OF 100

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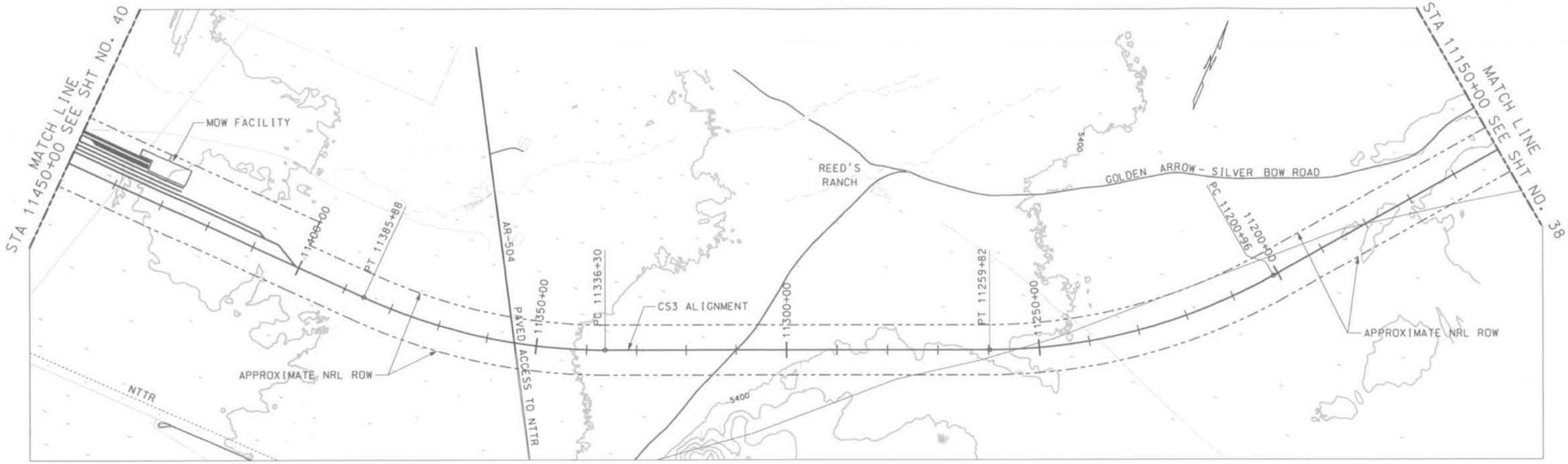

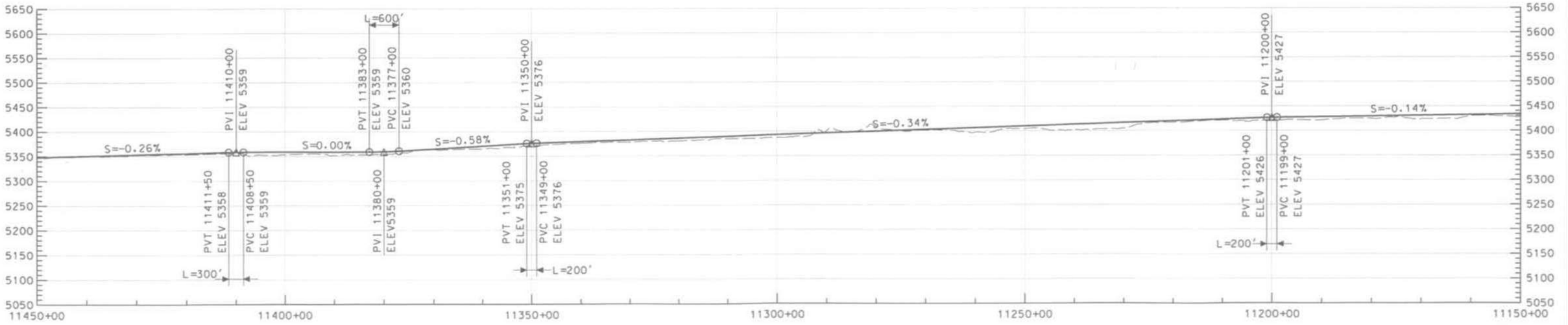

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: CKR	
DESIGNER: JBB	
CHECKED: SNE	
DESIGN CONFORMANCE: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
11150+00 TO 11450+00

SIZE	SCALE	DOCUMENT IDENTIFICATION	REV
D	AS SHOWN	NRP-0-C309-PP-0039-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 39 OF 100

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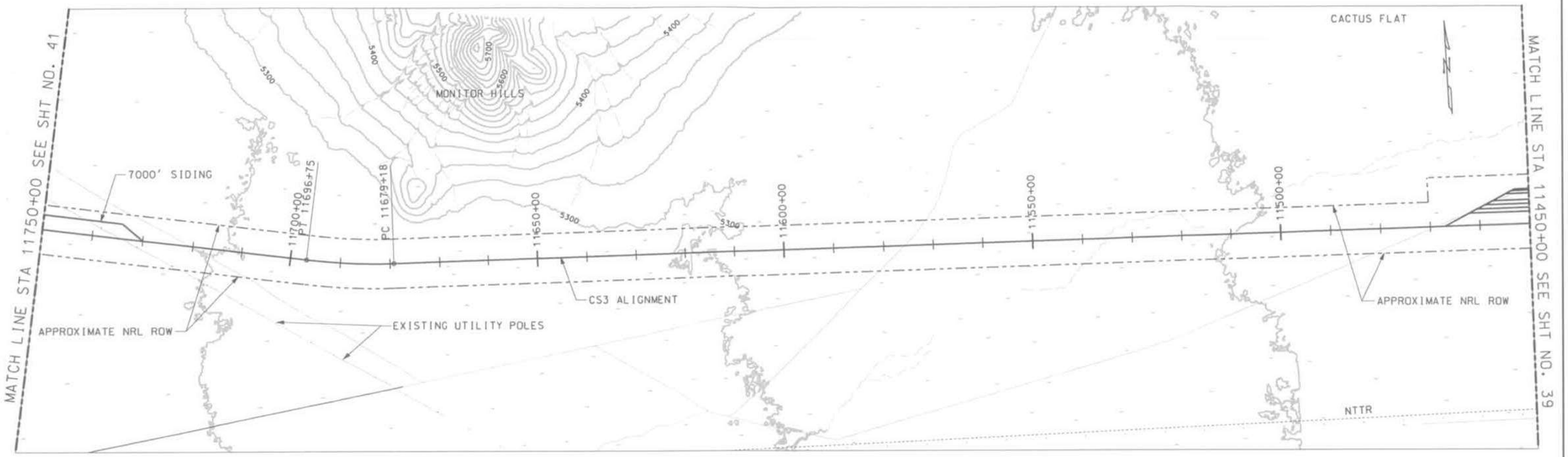

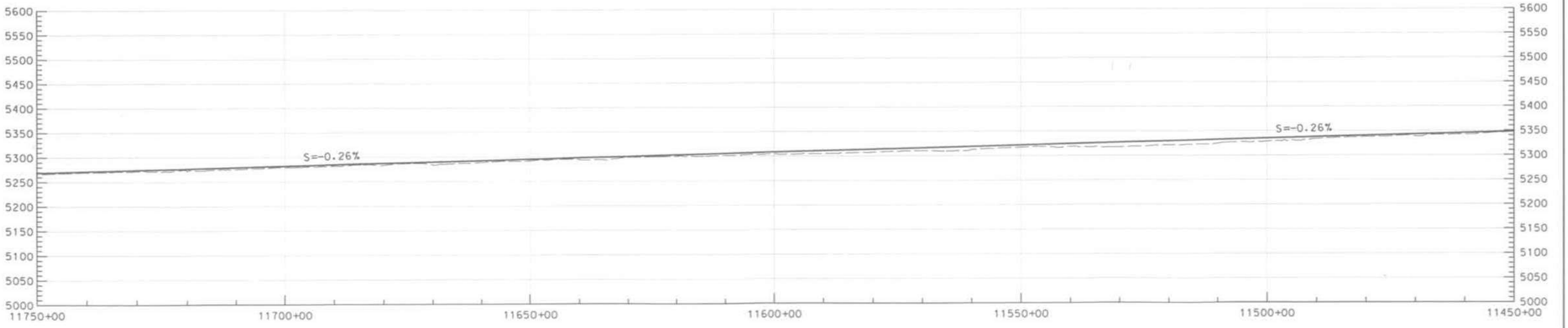

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIALS/DATE
DRAWN BY: GKR	
DESIGNER: JBB	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
11450+00 TO 11750+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-C310-PP-0040-02	02
SAFETY CATEGORY	CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 40 OF 100	

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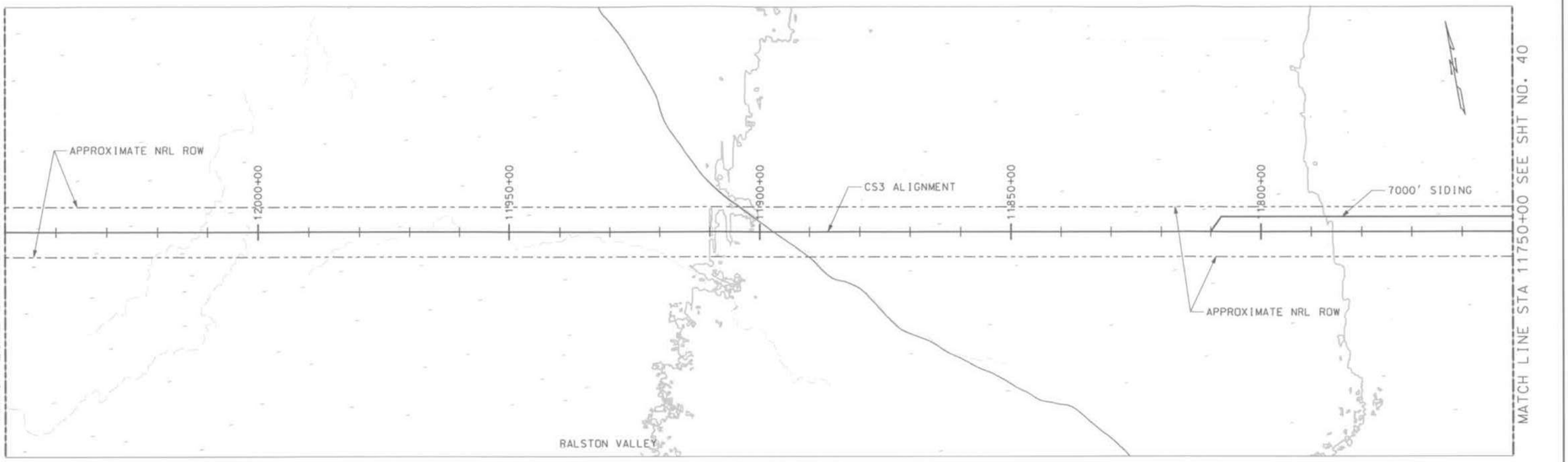

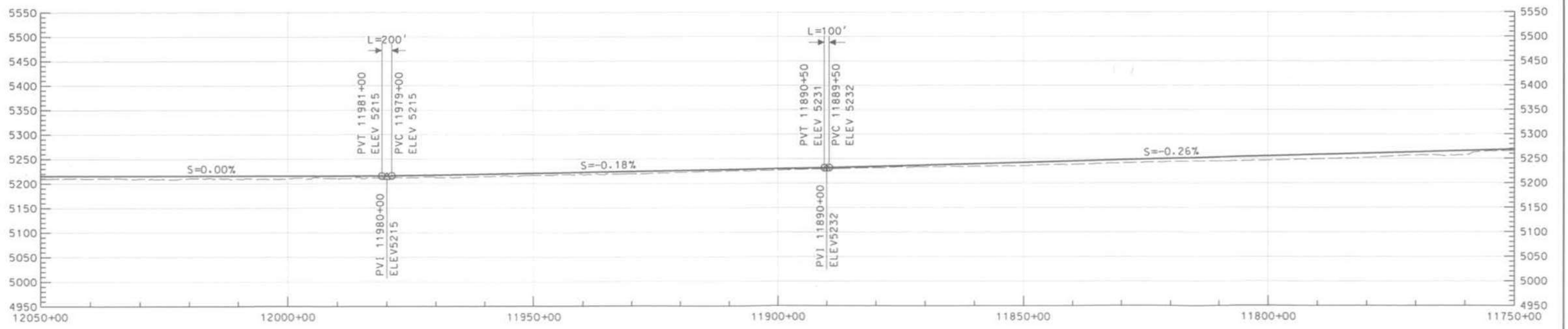

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY GKR	
DESIGNED JBB	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
11750+00 TO 12050+00

SIZE D | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-D-C311-PP-0041-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 41 OF 100

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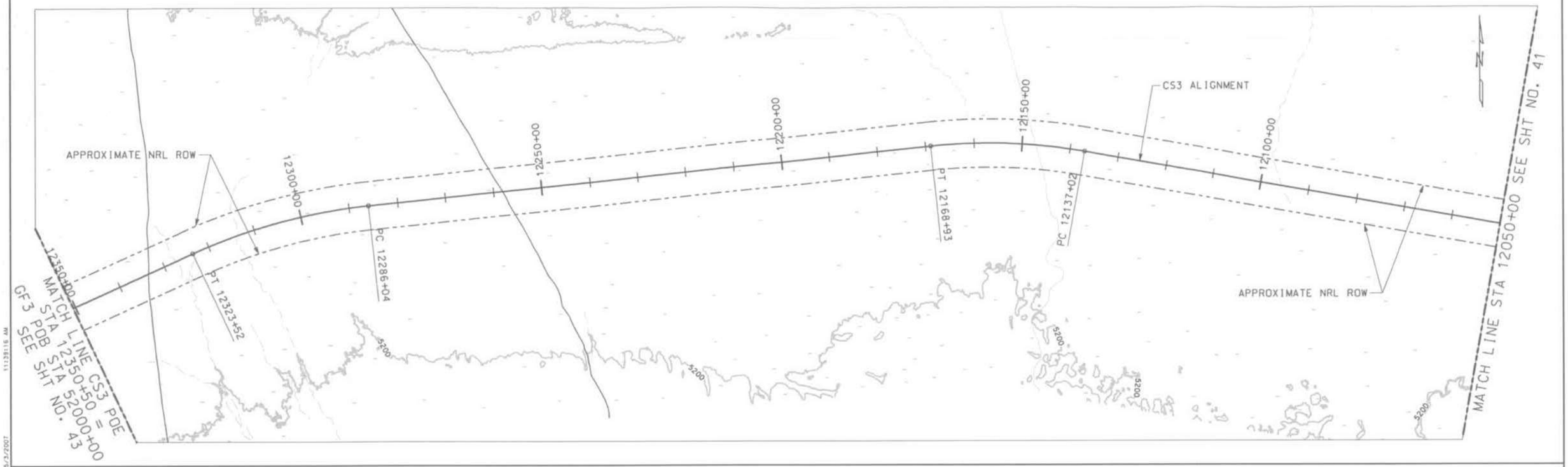

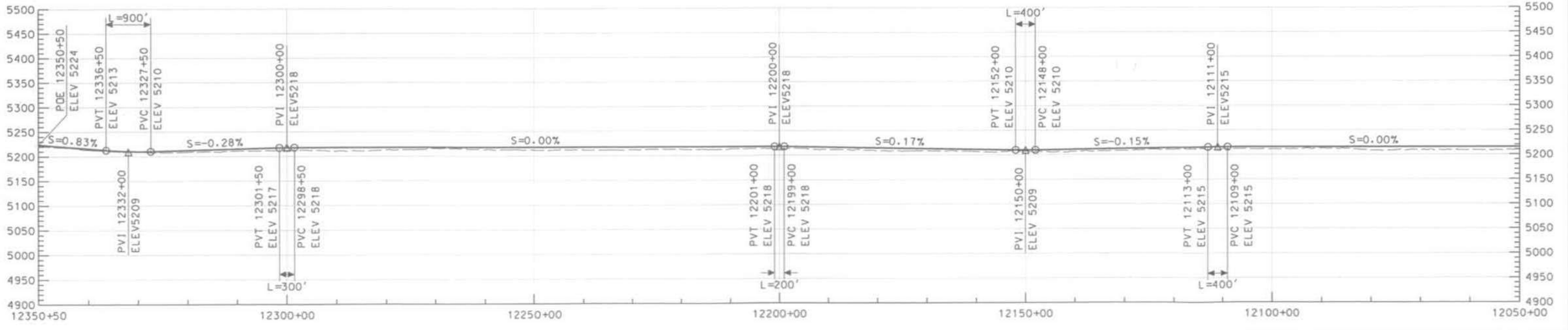

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DATE/INITIALS
DRAWN BY GKR	
DESIGNED JSB	
CHECKED SNE	
RESIDENT ENGINEER JRC	
QUALITY ENGINEERING REP. LEM	
PROJECT ENGINEER TMS	
	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS3
12050+00 TO 12350+50

SIZE B | SCALE AS SHOWN | DRAWING IDENTIFIER NRP-0-C312-PP-0042-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 42 OF 100

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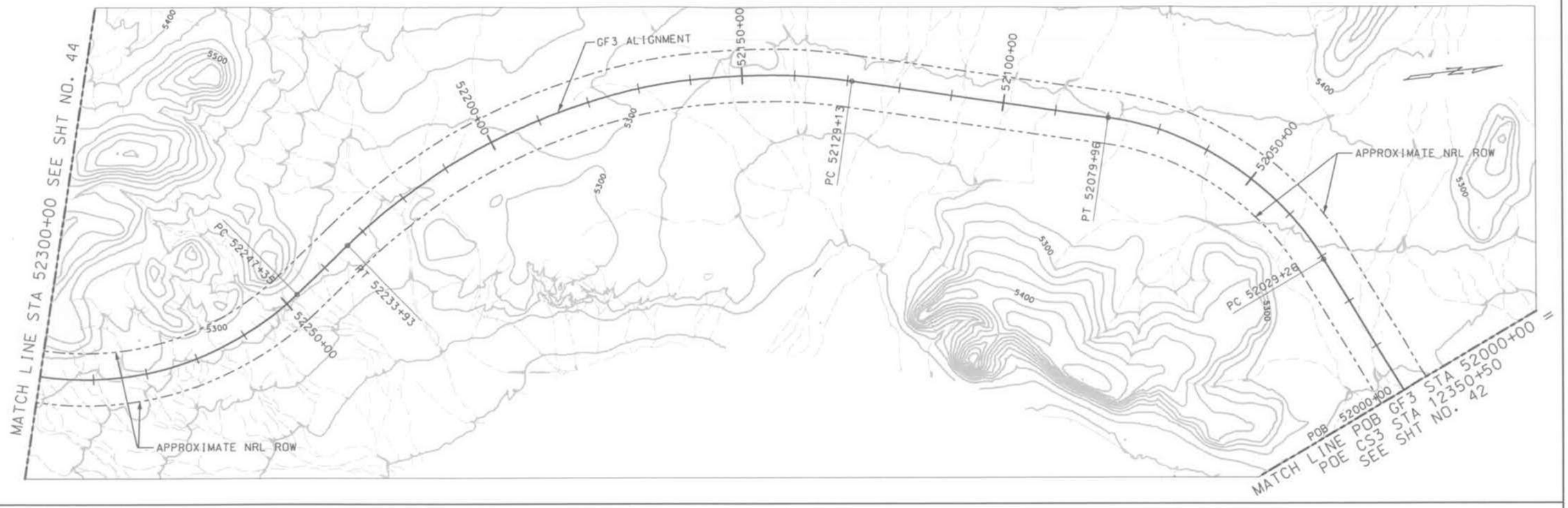
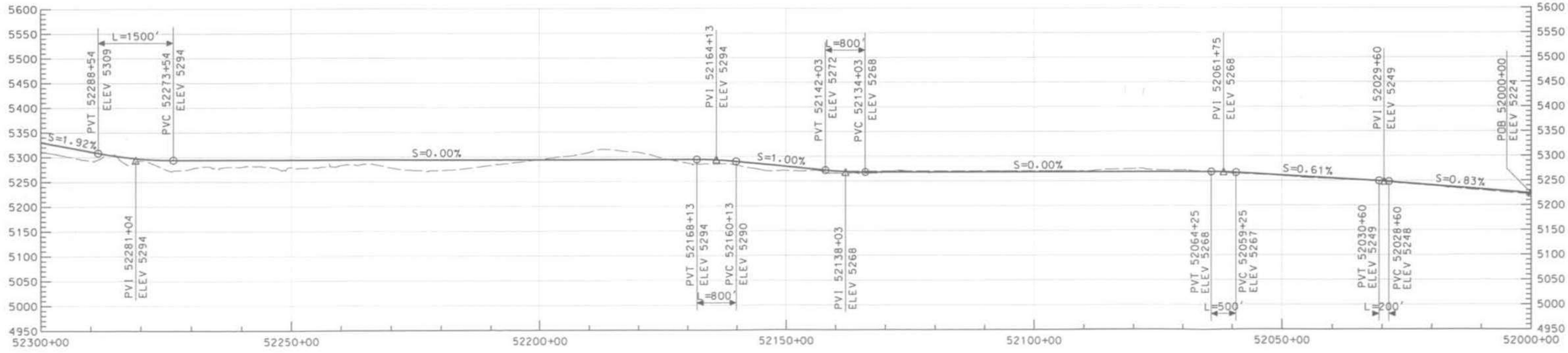




THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS / INITIAL/DATE

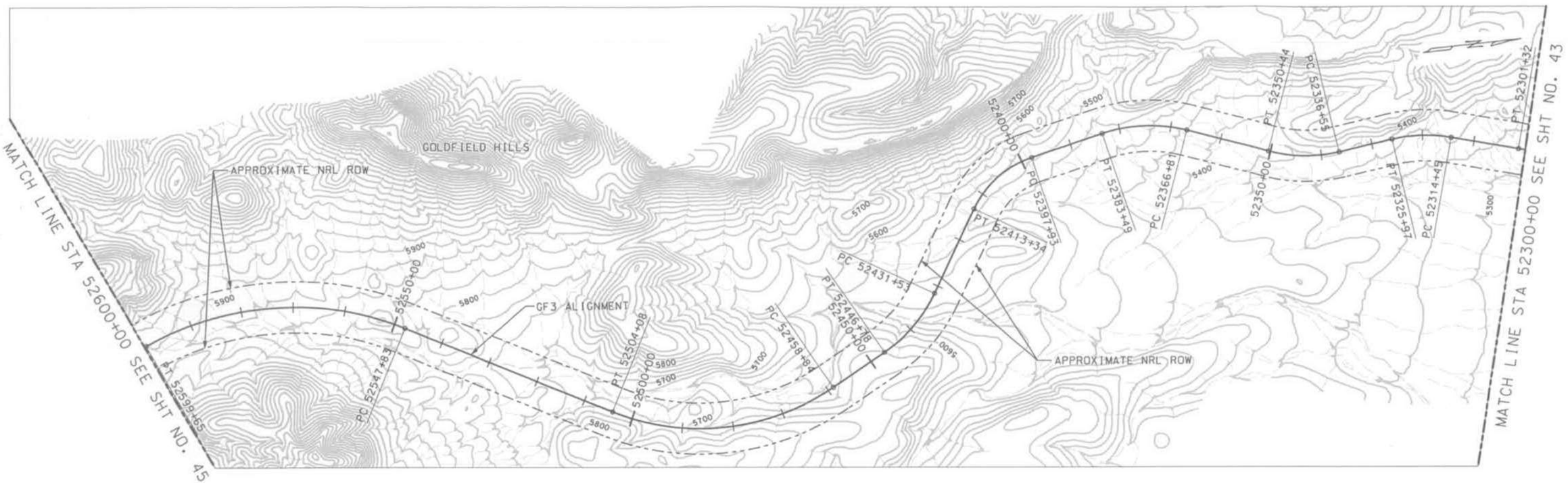
DRAWN BY SMW
DESIGNER YBM
CHECKER SNE
REVIEWER JRC
DESIGN LINE ENGINEER LEM
SAFETY ENGINEERING REP TMS
PROJECT ENGINEER JRC

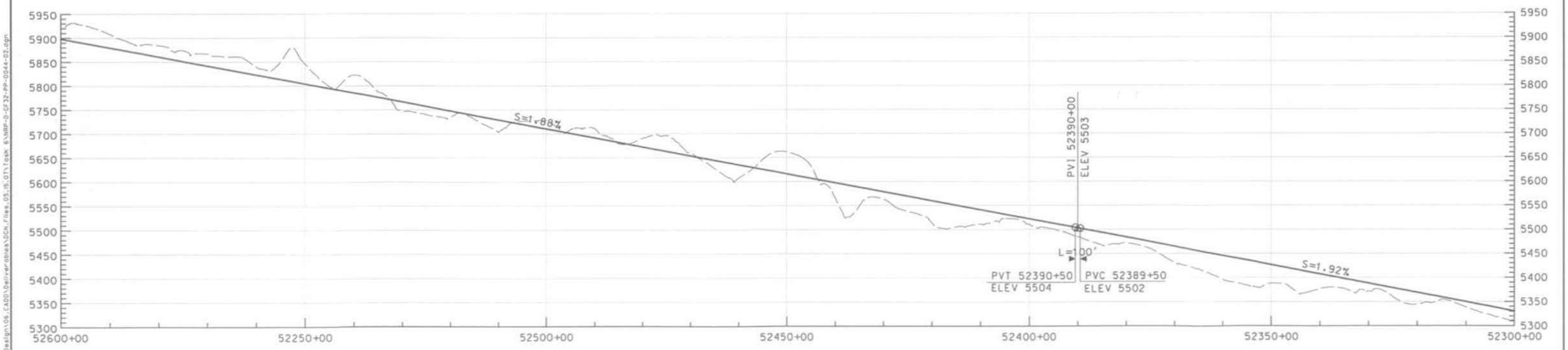
U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF3
52000+00 TO 52300+00

SIZE D | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-D-GF31-PP-0043-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 43 OF 100





THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DATE/INITIAL
DRAWN BY SMW	
DESIGNATOR YBM	
CHECKED SNE	
VERIFICATION JRC	
SENIOR CLERK ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF3
52300+00 TO 52600+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 44 OF 100

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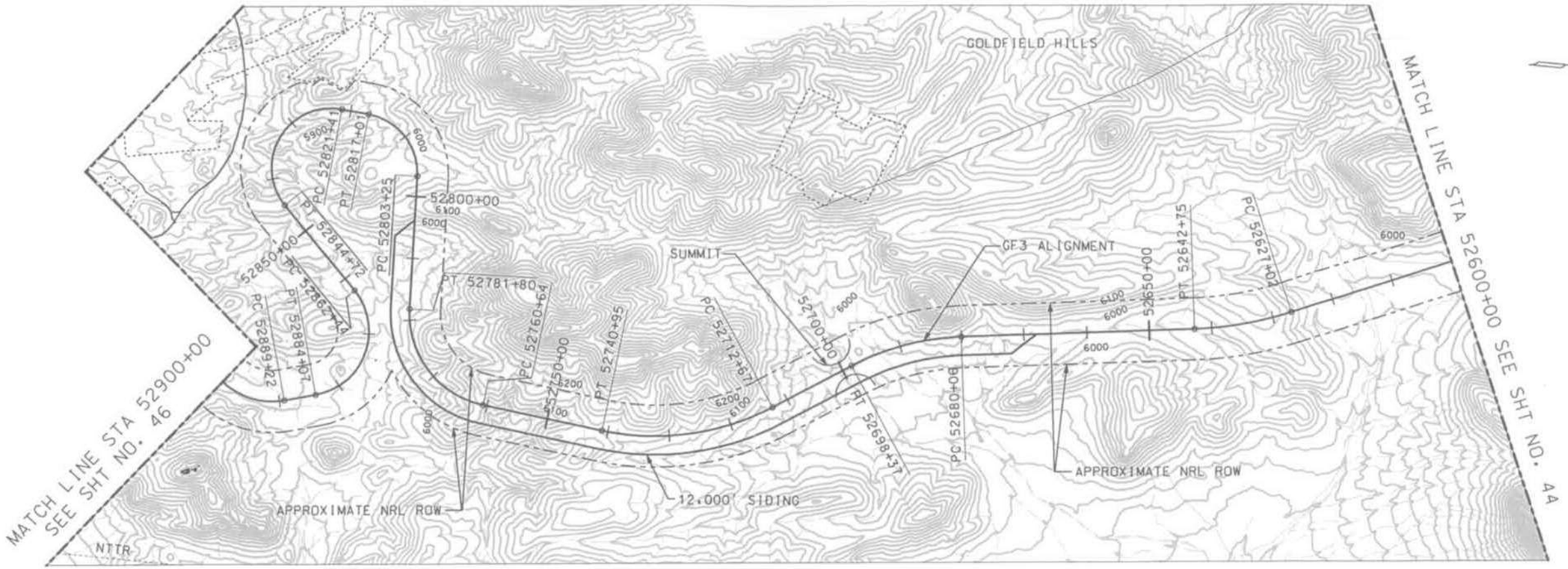

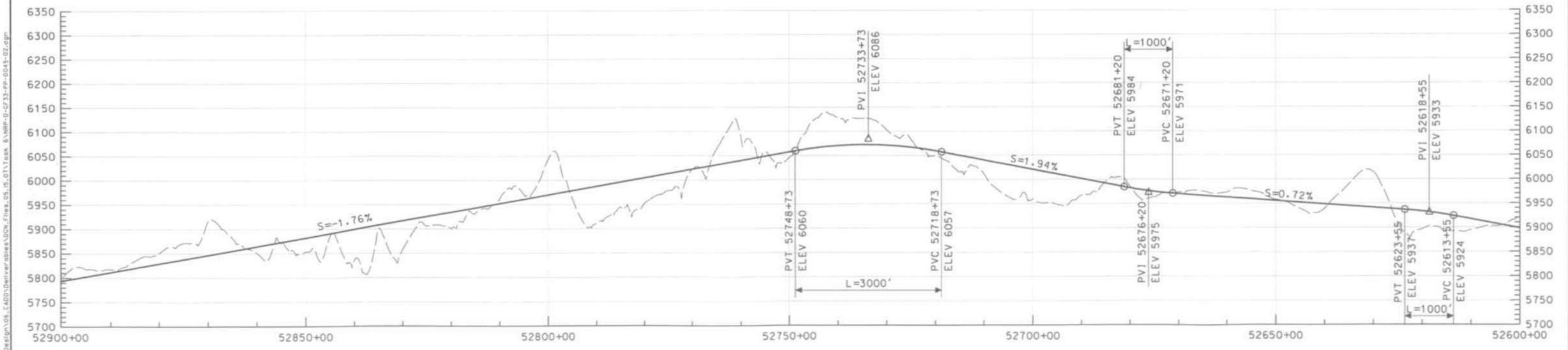

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY SMW	
DOCUMENTER YBM	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER L.E.M.	
SUBSTITUTE ENGINEERING REP. TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF3
52600+00 TO 52900+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
B	AS SHOWN	NRP-0-GF33-PP-0045-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 45 OF 100

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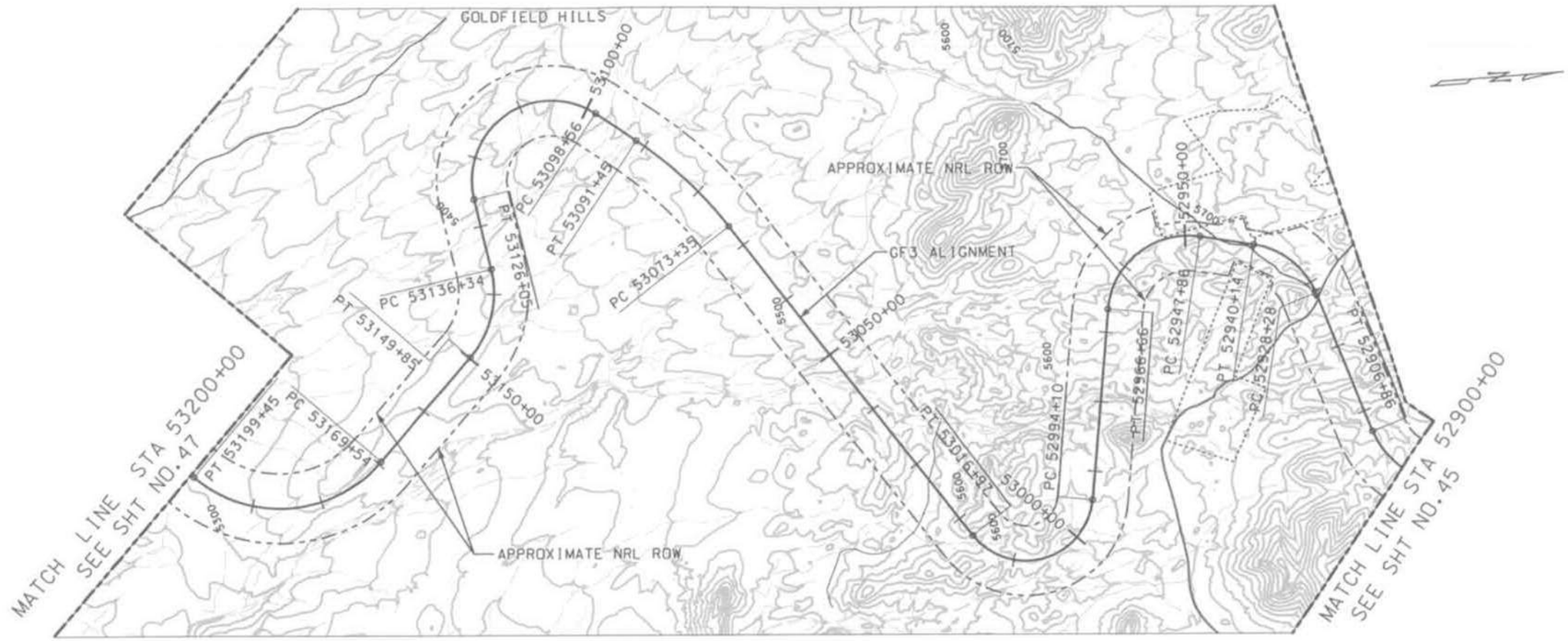

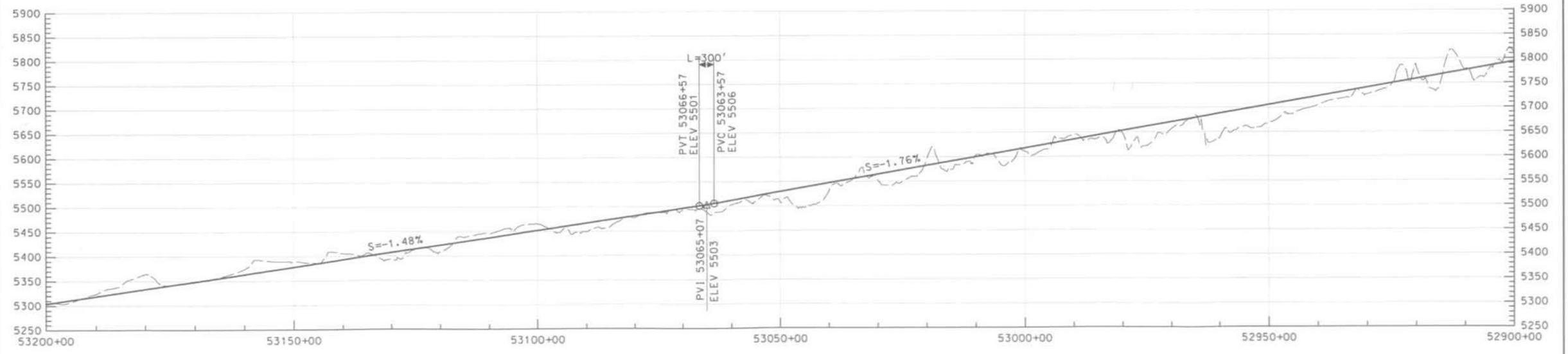

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY SMW	
DESIGNATOR YBM	
CHECKER SNE	
JURISDICTION JRC	
DESIGN LAND ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF3
52900+00 TO 53200+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-D-GF34-PP-0046-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 46 OF 100

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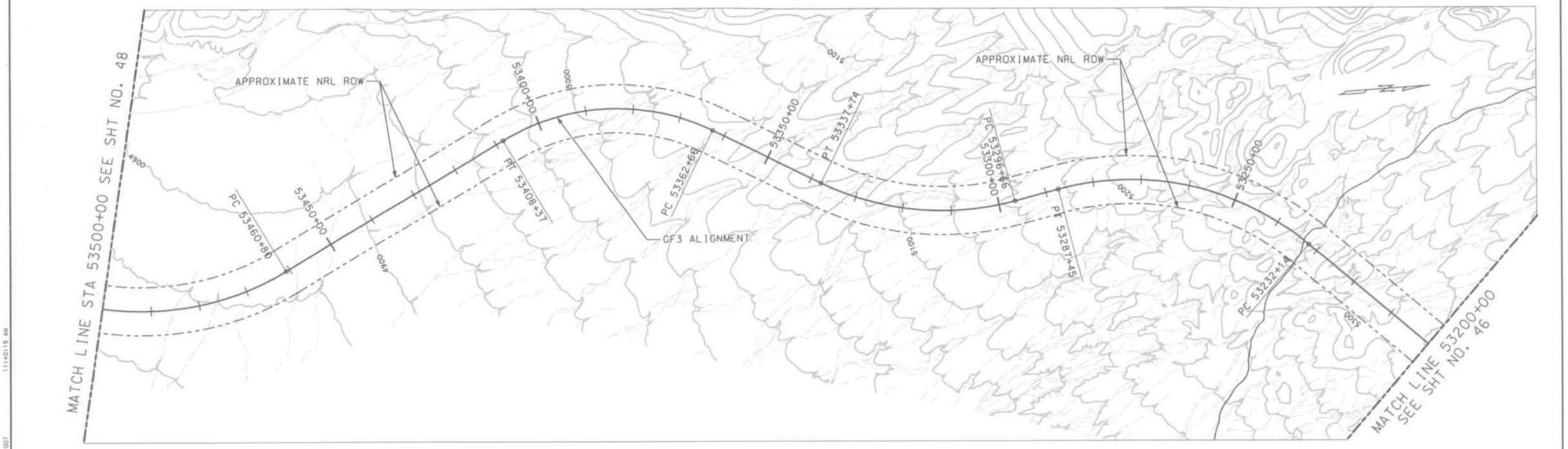

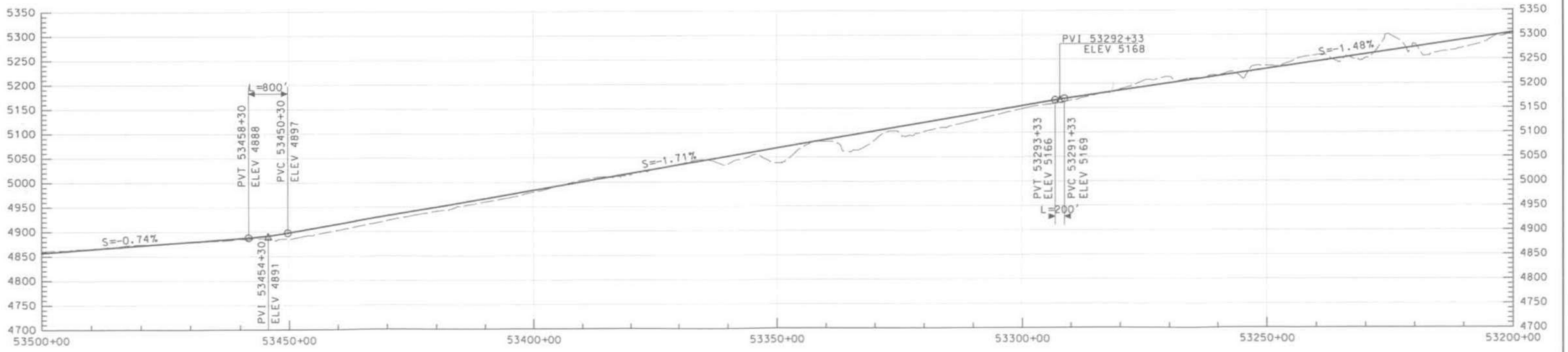

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

	INITIAL/DATE
DRAWN BY	SMW
DESIGNATOR	YBM
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF3
53200+00 TO 53500+00

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SAFETY CATEGORY | CAD SOFTWARE: MICROSTATION V08.05.02.55 | SHEET: 47 OF 100

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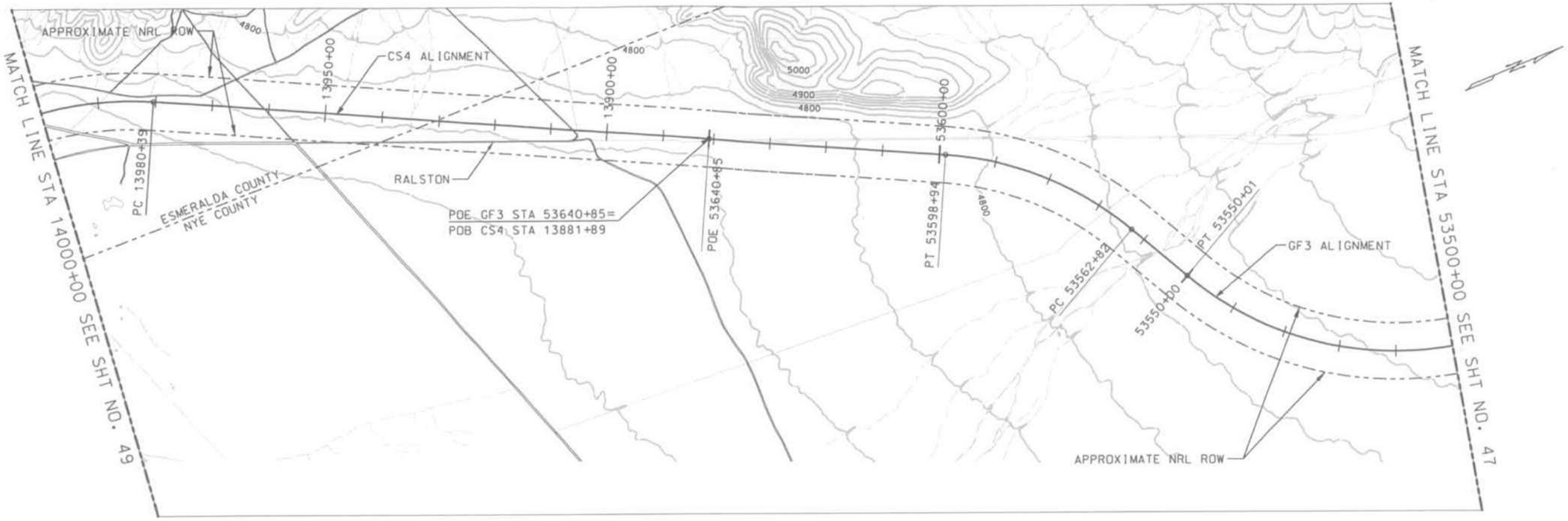

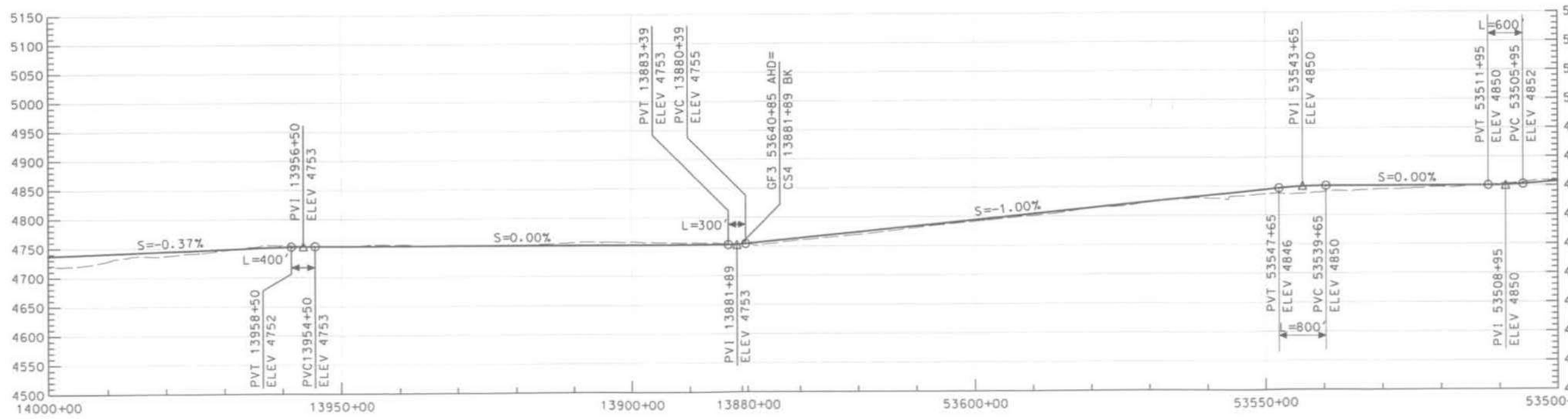

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: SMW	
DESIGNER: YBM	
CHECKED: SNE	
INSPECTION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF3 / CS4
53500+00 TO 14000+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-D-CS41-PP-0048-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 48 OF 100

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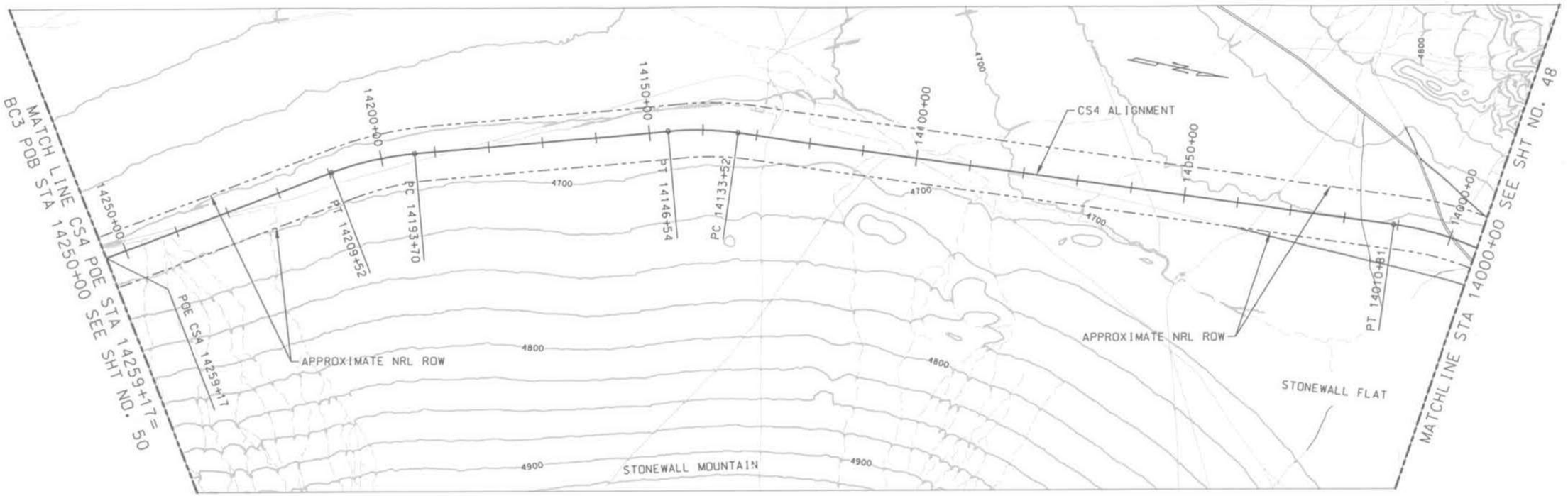

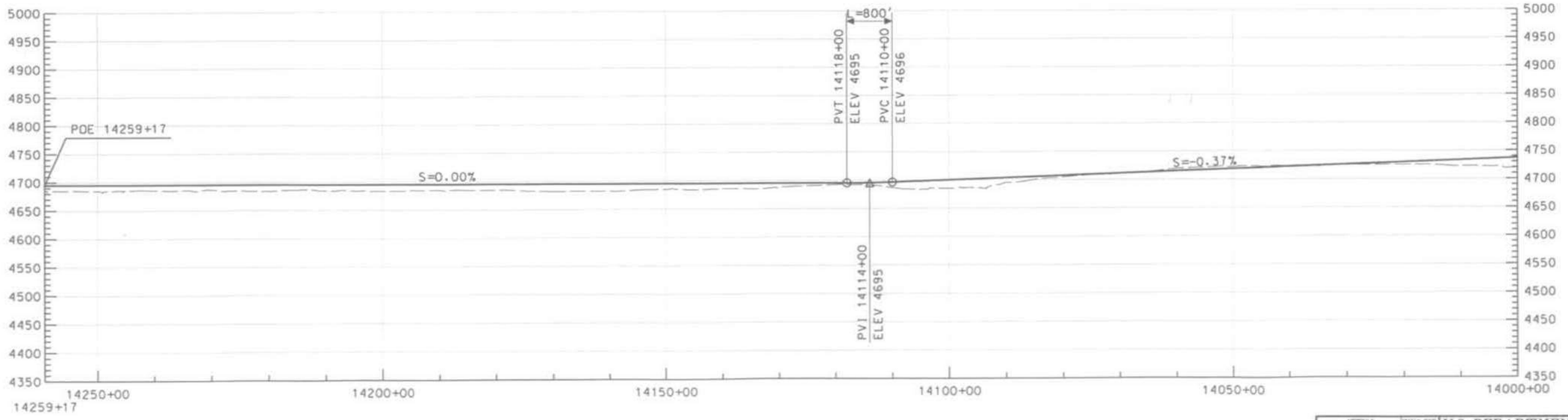

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	FAP
DESIGNER	LCL
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEW
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS4
14000+00 TO 14259+17

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-0-CS42-PP-0049-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 49 OF 100

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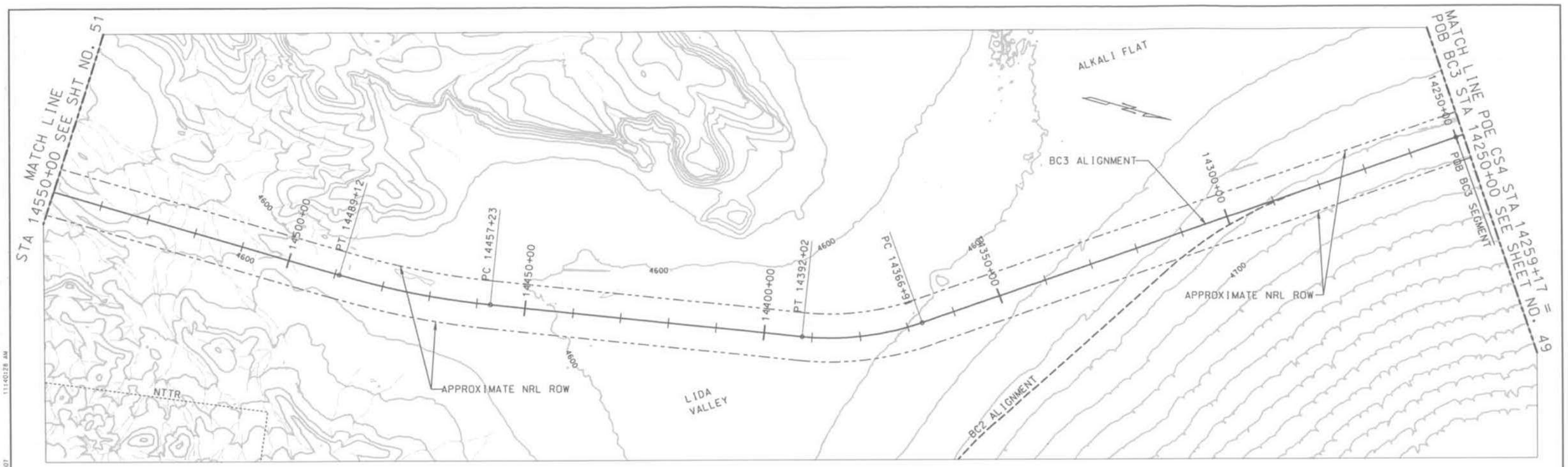

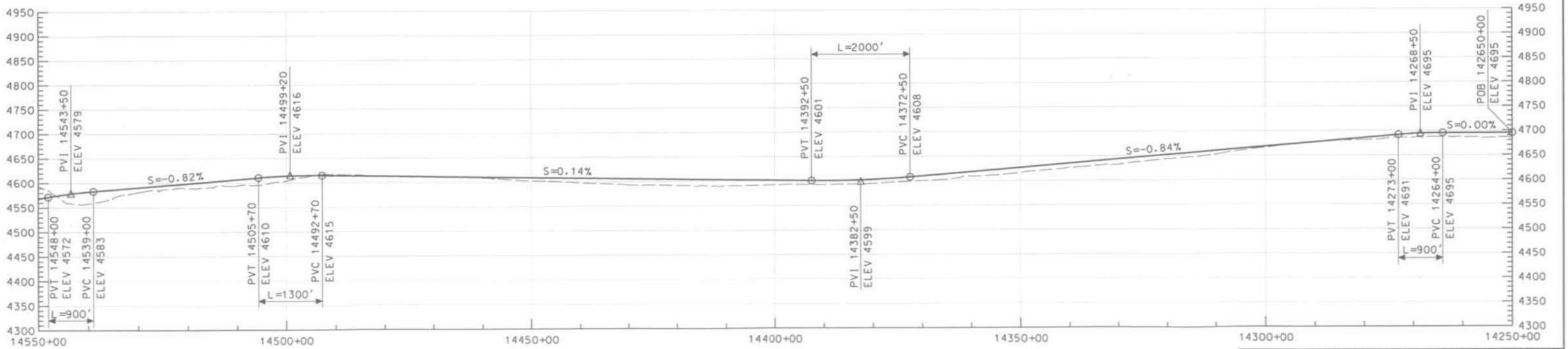

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: JPB	
SPECIALTY ENGINEER: JPB	
CHECKED BY: SNE	
VERIFICATION: JRC	
DESIGN TEAM LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

BC3
14250+00 TO 14550+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-0-BC31-PP-0050-02	02
SAFETY CATEGORY		END SOFTWARE: MICROSTATION V08.05.02.55	SHEET 50 OF 100

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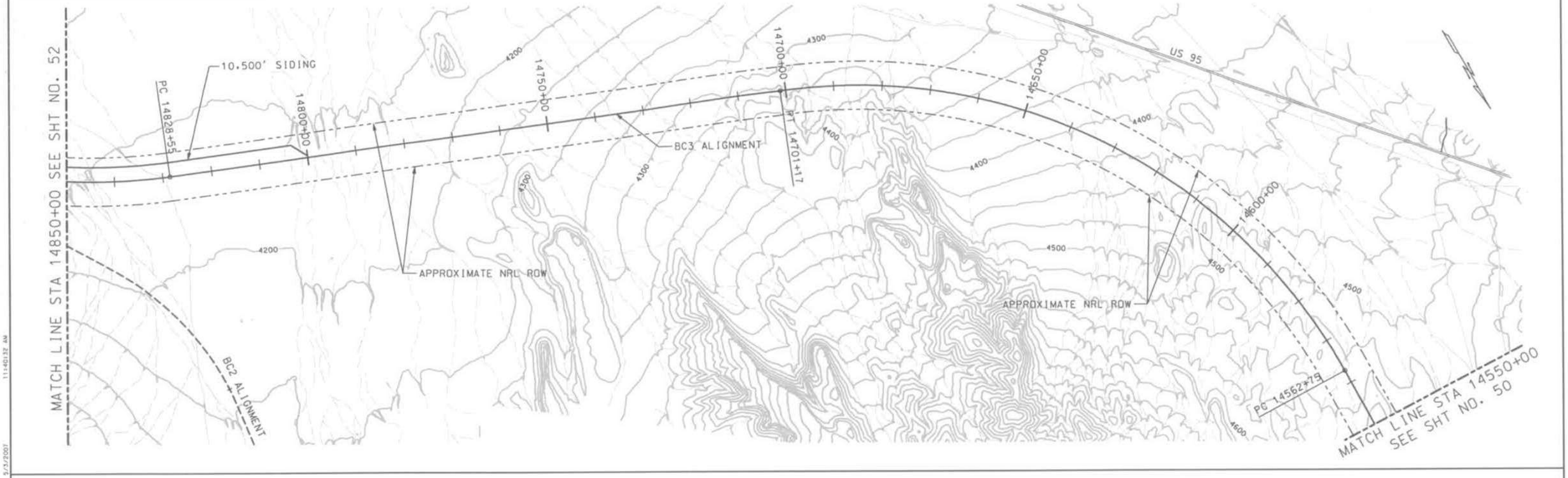

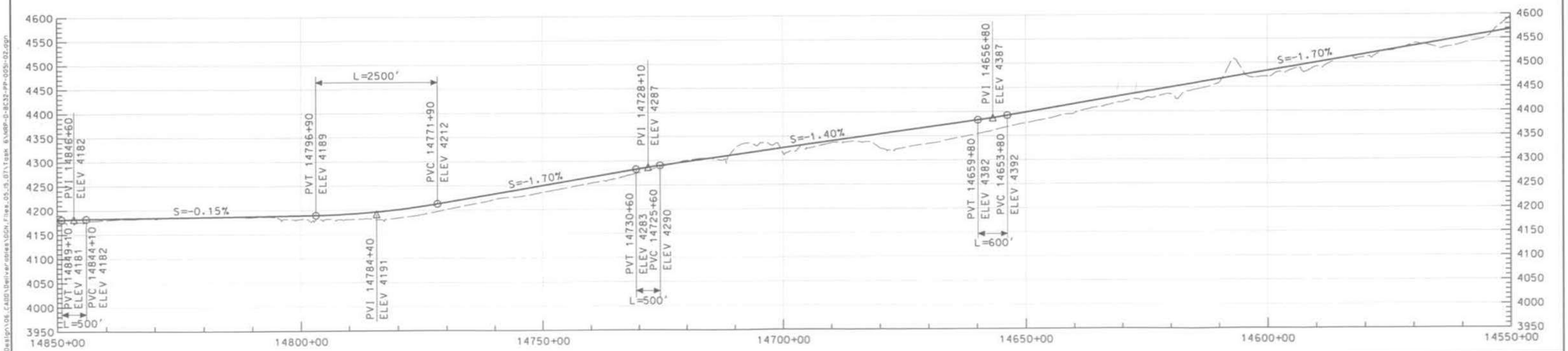

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY JPB	
DESIGNER JPB	
CHECKED SNE	
VERIFICATION JRC	
QUALITY ENGINEERING REP. TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

BC3
14550+00 TO 14850+00

SIZE D | SCALE AS SHOWN | DOCUMENT IDENTIFICATION NRP-0-BC32-PP-0051-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 51 OF 100

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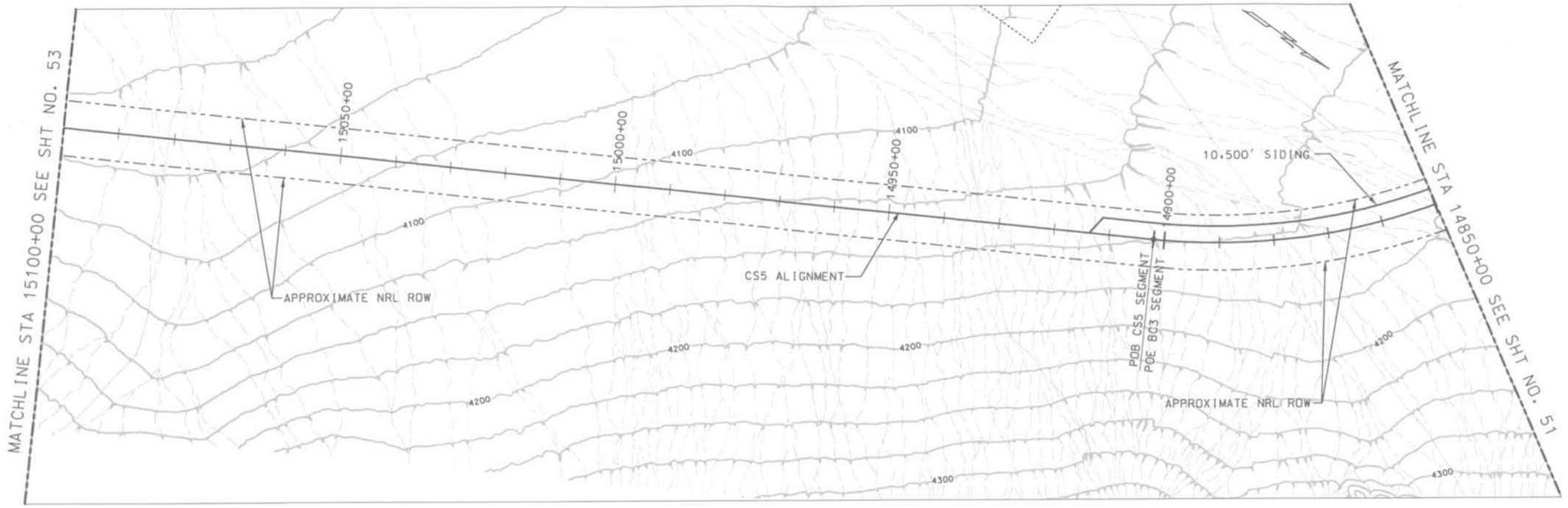

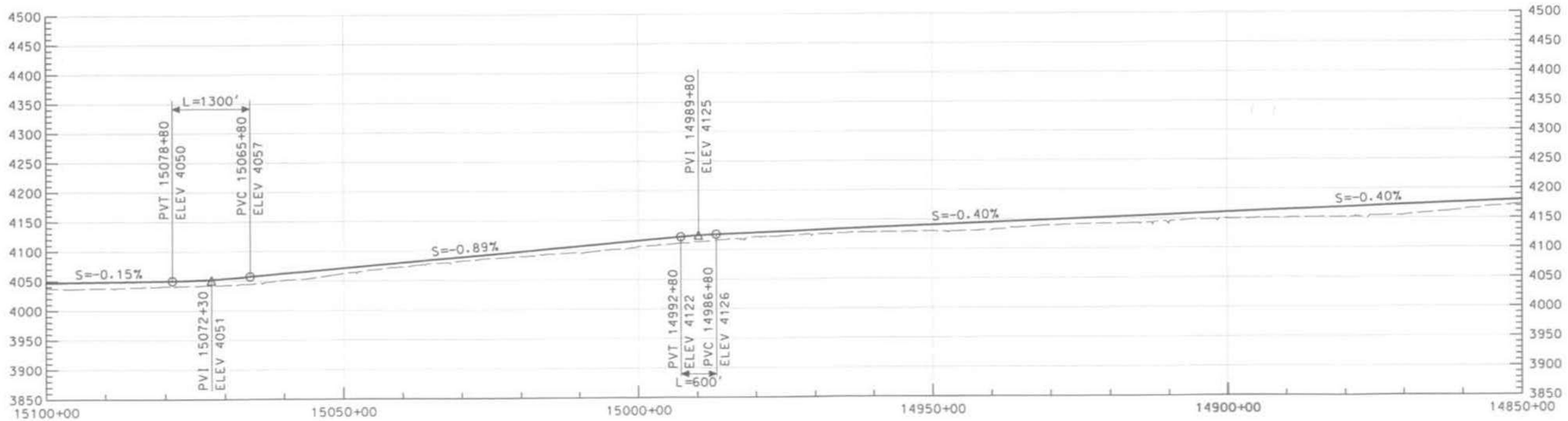

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY JMN	
DESIGNER LCL	
CHECKER SNE	
ADDITIONAL JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

BC3 / CS5
14850+00 TO 15100+00

SIZE D | SCALE AS SHOWN | DOCUMENT IDENT NRP-D-BC31-PP-0052-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 52 OF 100

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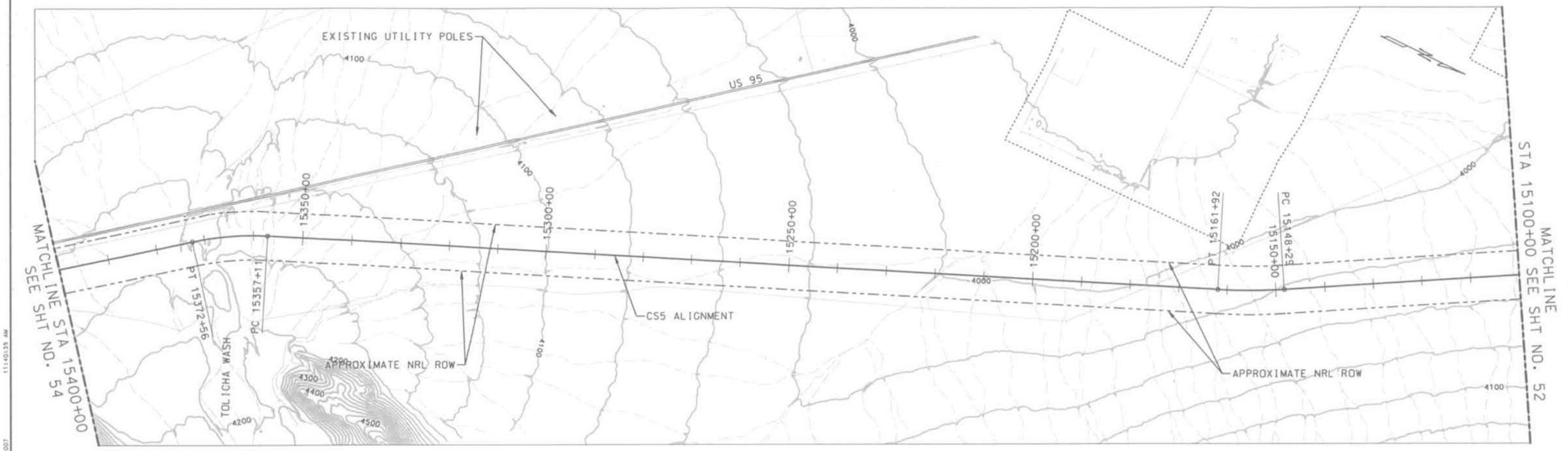

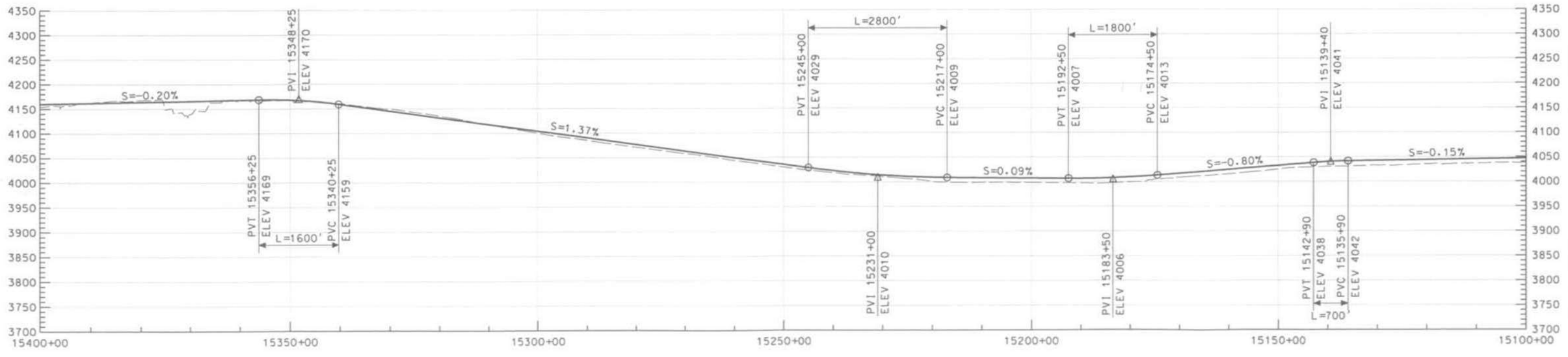

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	FAP
DESIGNER	LCL
CHECKED	SNE
QUALITY VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS5
15100+00 TO 15400+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
A1	AS SHOWN	NRP-0-CS51-PP-0053-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08-05-02.55	SHEET 53 OF 100

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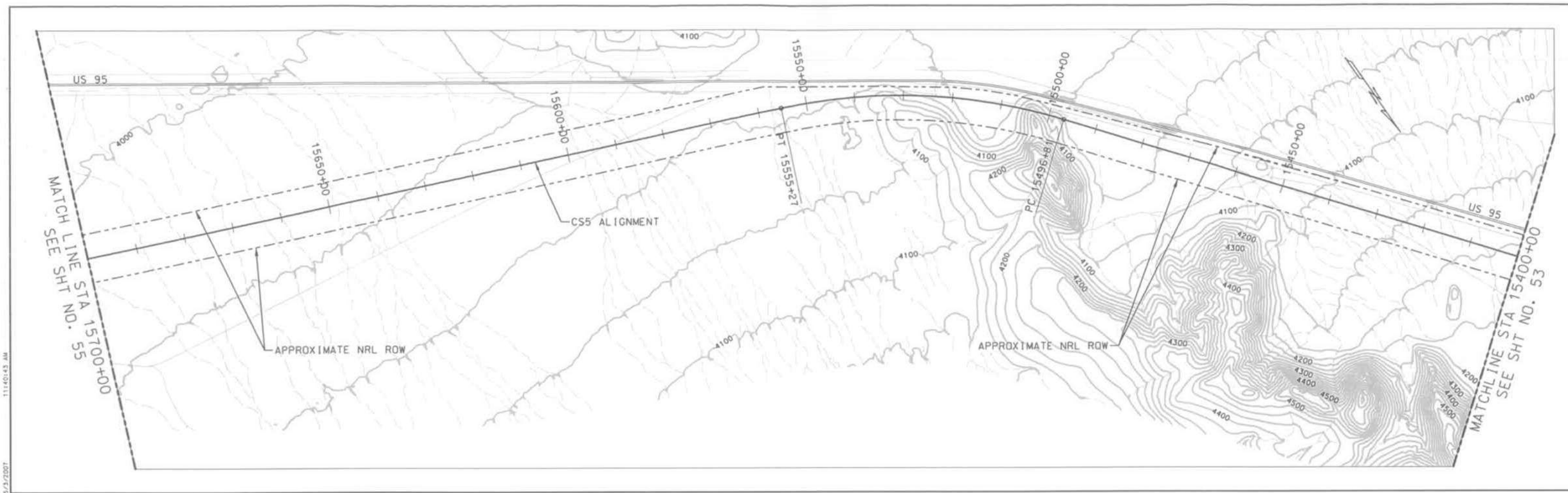

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS / INITIAL/DATE
DRAWN BY FAP
DESIGNATION LCL
CHECKER SNE
VERIFICATION JRC
DESIGN LEAD ENGINEER LEM
QUALITY ENGINEERING REP TMS
PROJECT ENGINEER JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS5
15400+00 TO 15700+00

SIZE AS SHOWN
DOCUMENT IDENTIFIER NRP-D-CS52-PP-0054-02
REV 02
SAFETY CATEGORY
CAD SOFTWARE MICROSTATION V08.05.02.55
SHEET 54 OF 100

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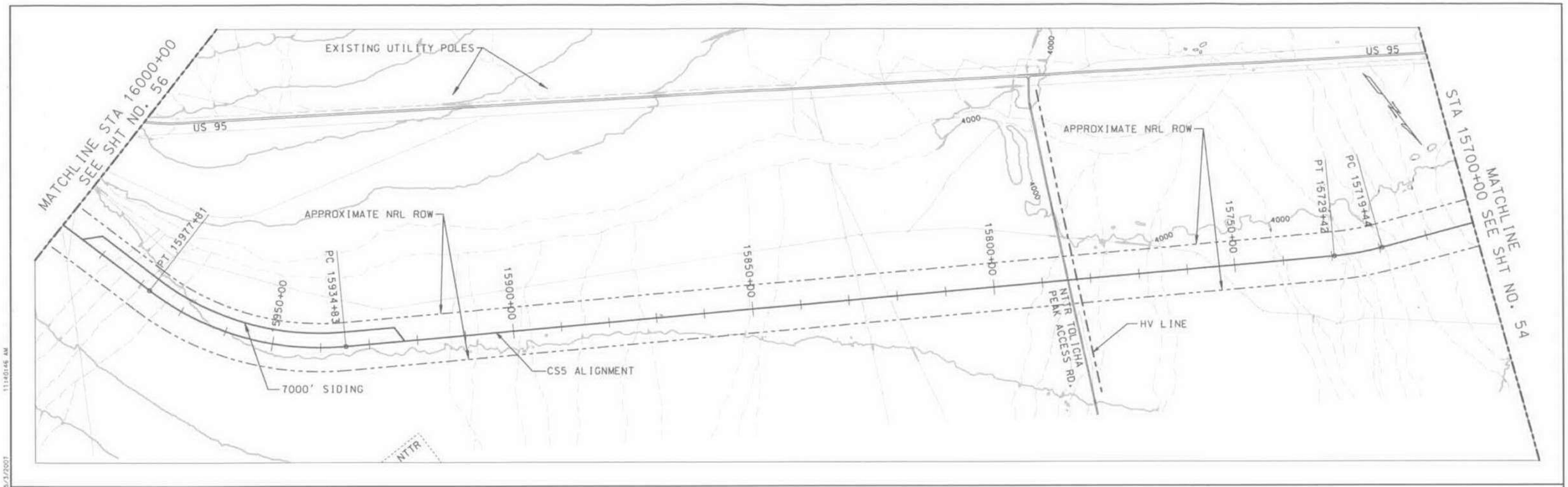
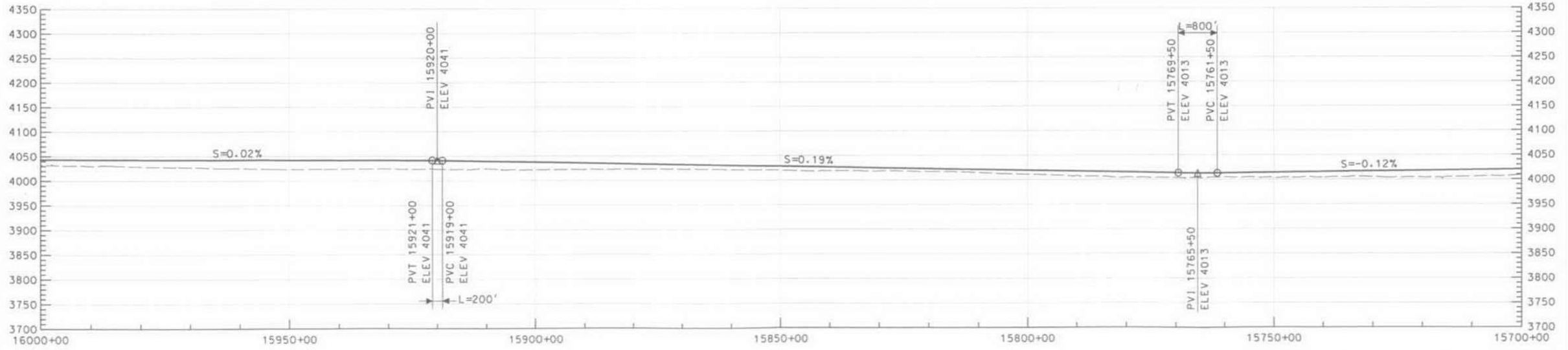




THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

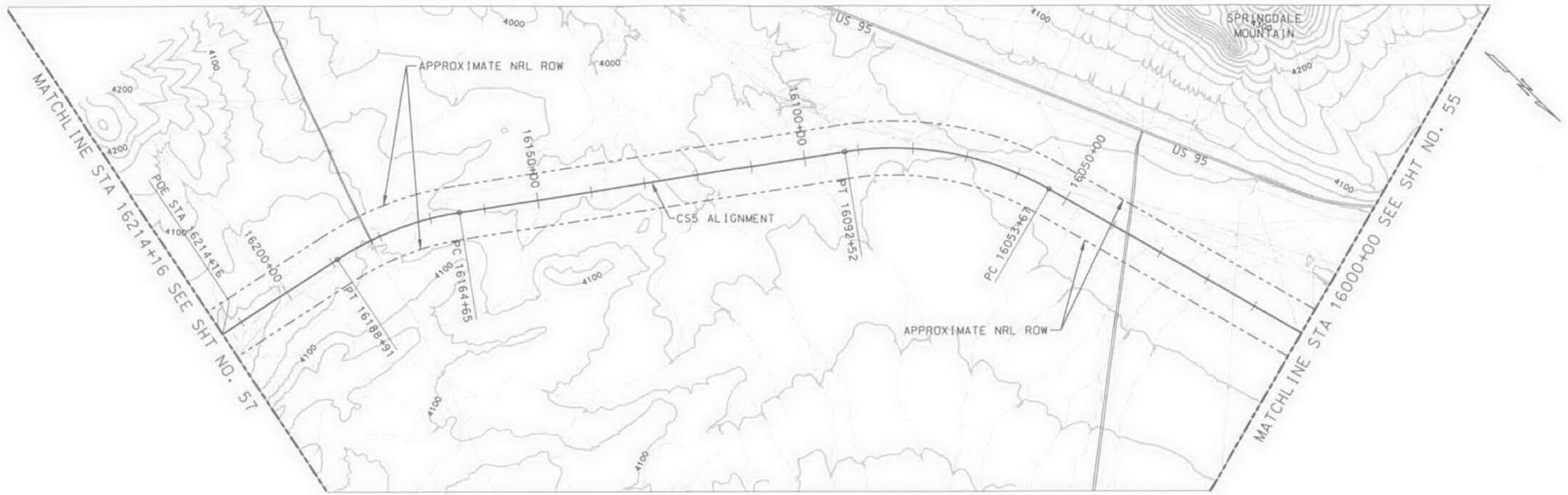
REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

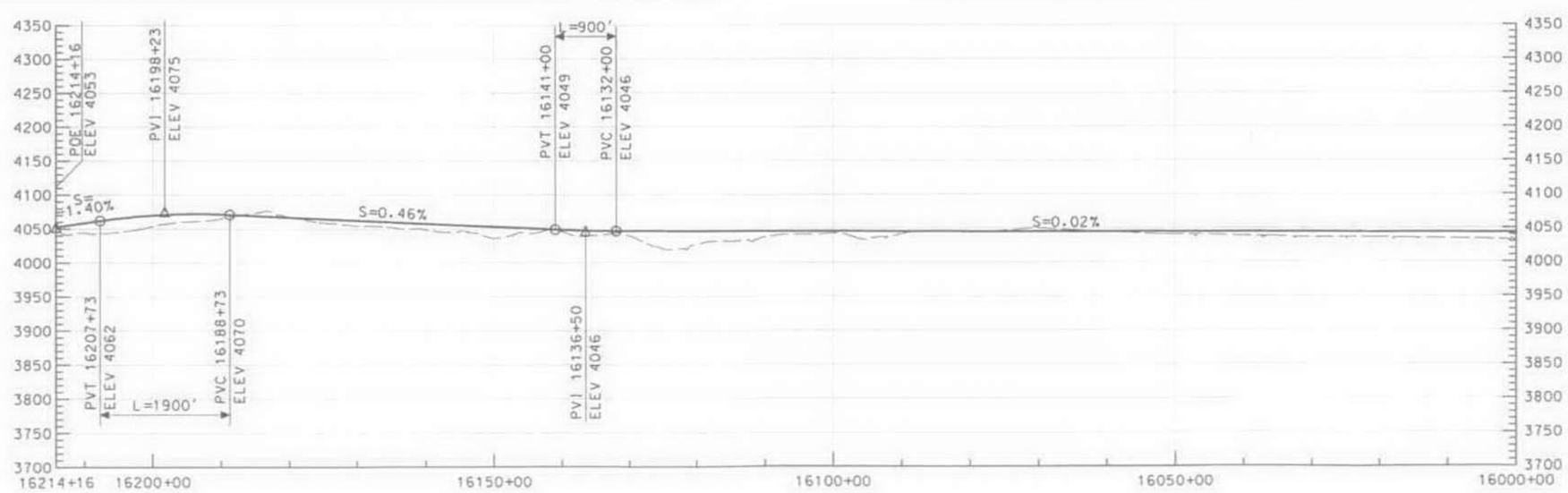
DRAWN BY: FAP
DESIGNATOR: LCL
CHECKER: SNE
VERIFICATION: JRC
DESIGN LEAD ENGINEER: LEM
QUALITY ENGINEERING REP: TMS
PROJECT ENGINEER: JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS5
15700+00 TO 16000+00

SCALE: AS SHOWN
DRAWING IDENTIFIER: NRP-D-CS53-PP-0055-02
REV: 02
SAFETY CATEGORY
CAD SOFTWARE: MICROSTATION V08.05.02.55
SHEET: 55 OF 100





THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

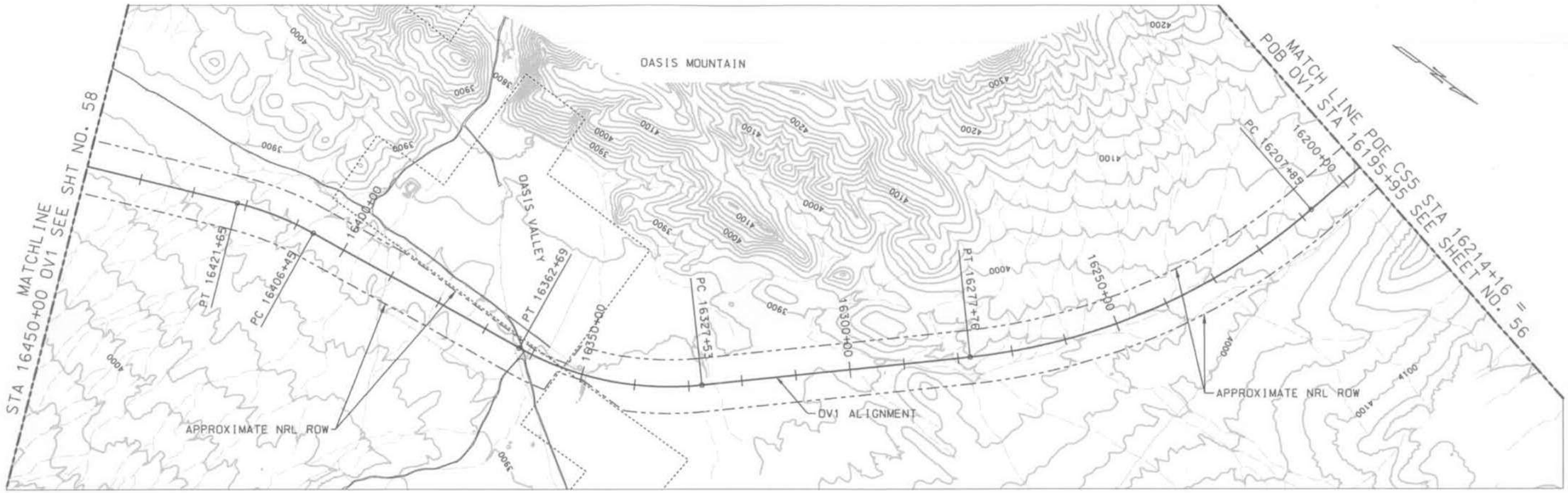
REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

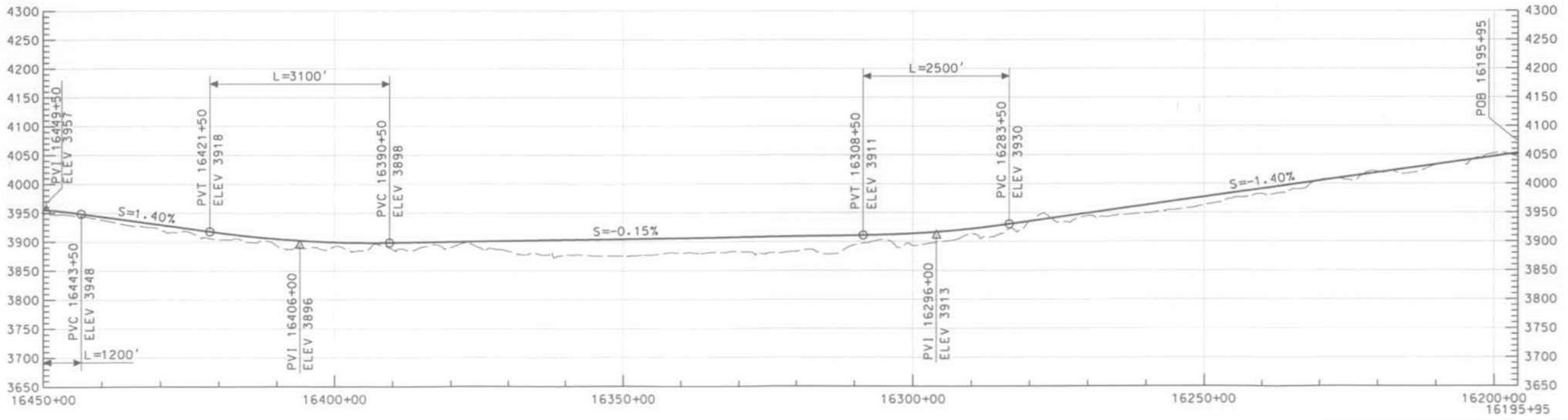
APPROVALS	DATE
DRAWN BY FAP	
DESIGNATION LCL	
CHECKER SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS5
16000+00 TO 16214+16

SCALE	DOCUMENT IDENTIFIER	REV
AS SHOWN	NRP-D-CS54-PP-0056-02	02
SAFETY CATEGORY	CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 56 OF 100





THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY FP	
DESIGNER LL	
CHECKED SNE	
REVIEW (CUSTOM) JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

OV1
16195+95 TO 16450+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NNRP-D-OV11-PP-0057-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 57 OF 100

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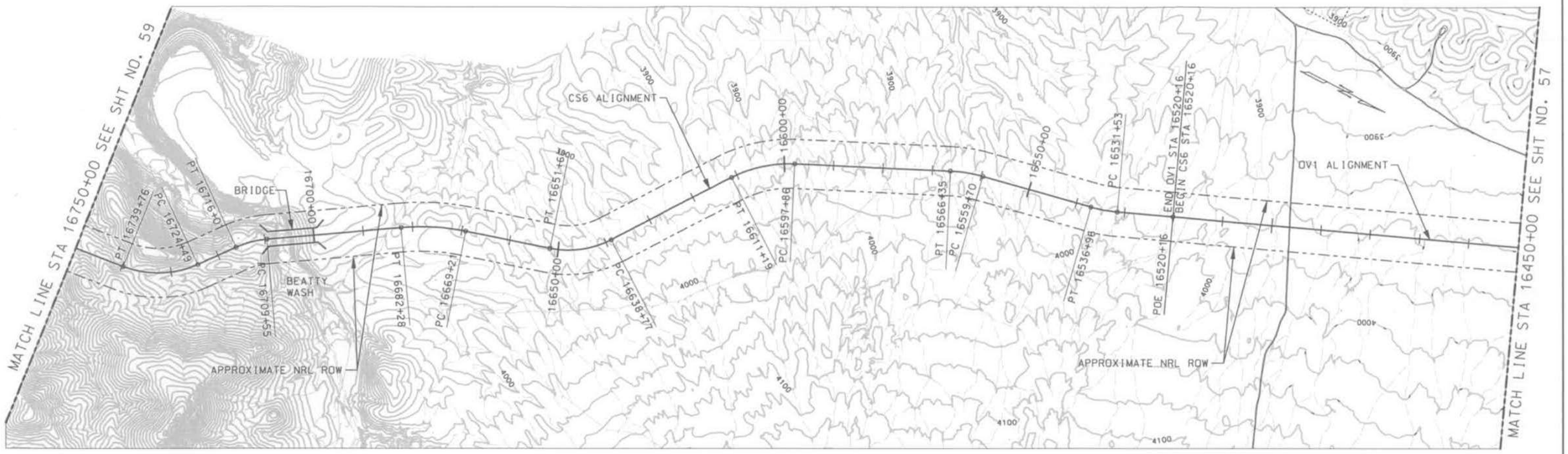

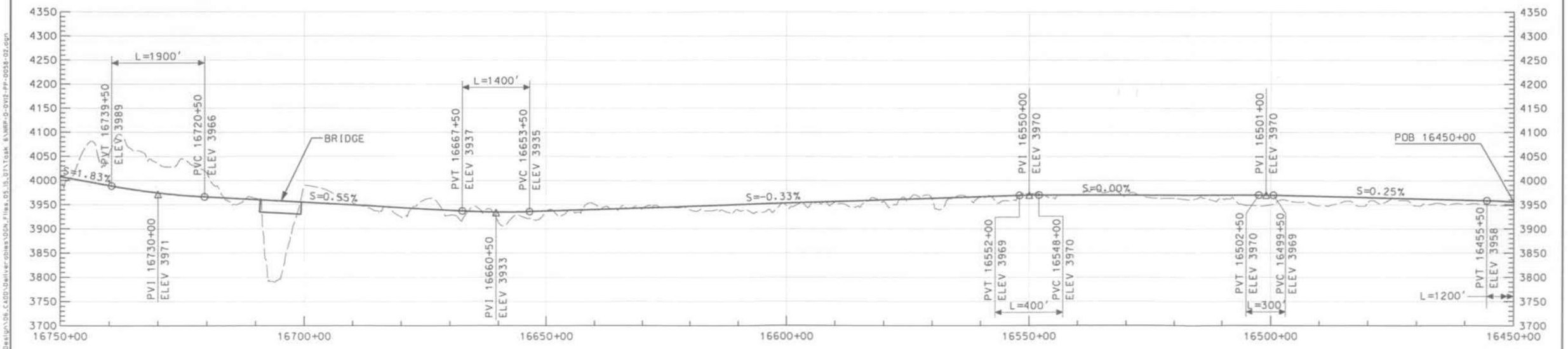

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
Drawn by: FP/PTD	
Designer: LL	
Checked: SNE	
Assistant: JRC	
Design Lead Engineer: LEM	
Quality Engineering Rep: TMS	
Project Engineer: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

OV1/CS6
16450+00 TO 16750+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-OV12-PP-0058-02	02
SAFETY CATEGORY		LAST SOFTWARE: MICROSTATION V08.05.02.55	SHEET 58 OF 100

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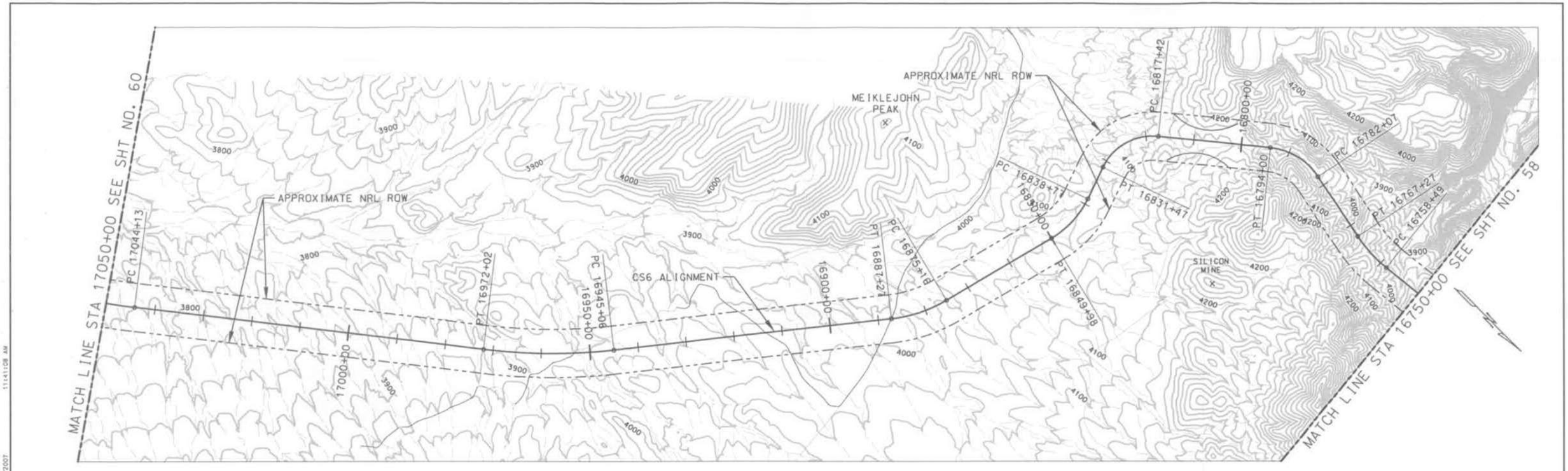
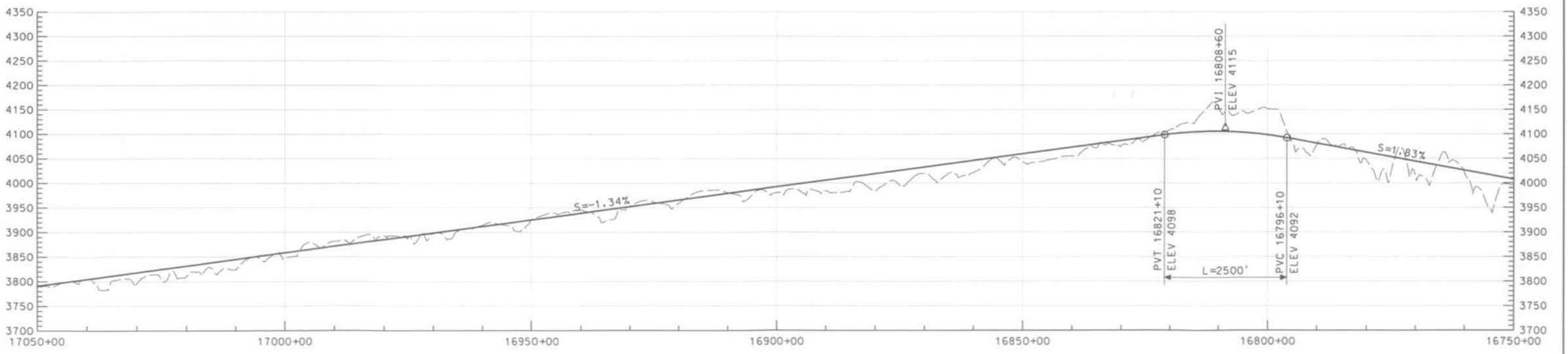




THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY PTO	
CHECKED PTO	
CHECKER SNE	
REPRODUCTION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

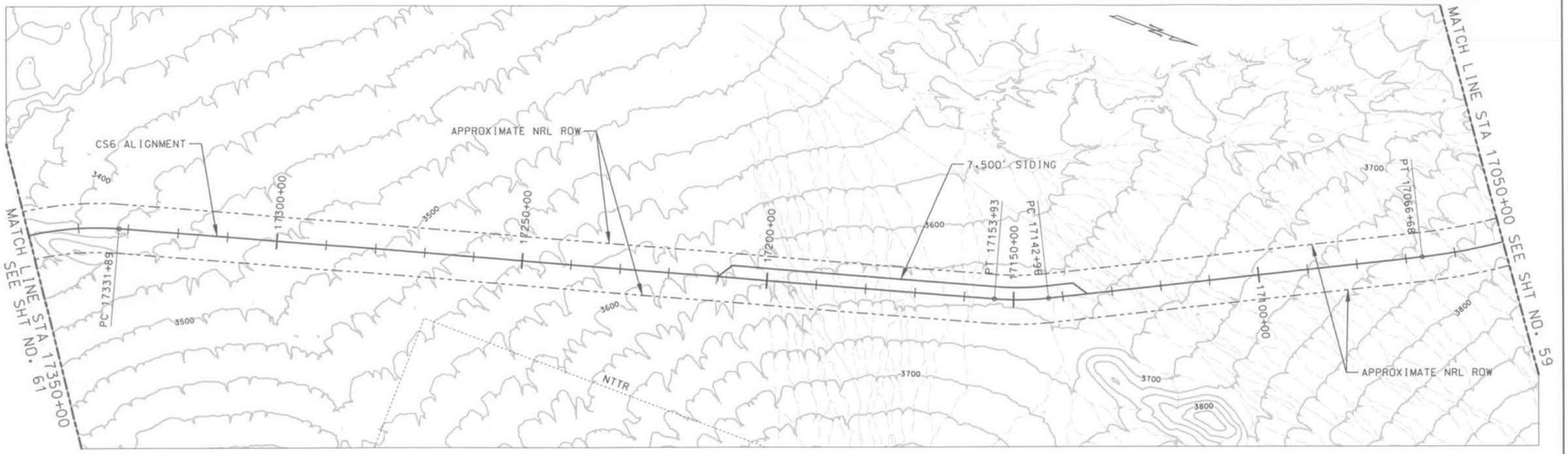
U.S. DEPARTMENT OF ENERGY
Office of National Transportation

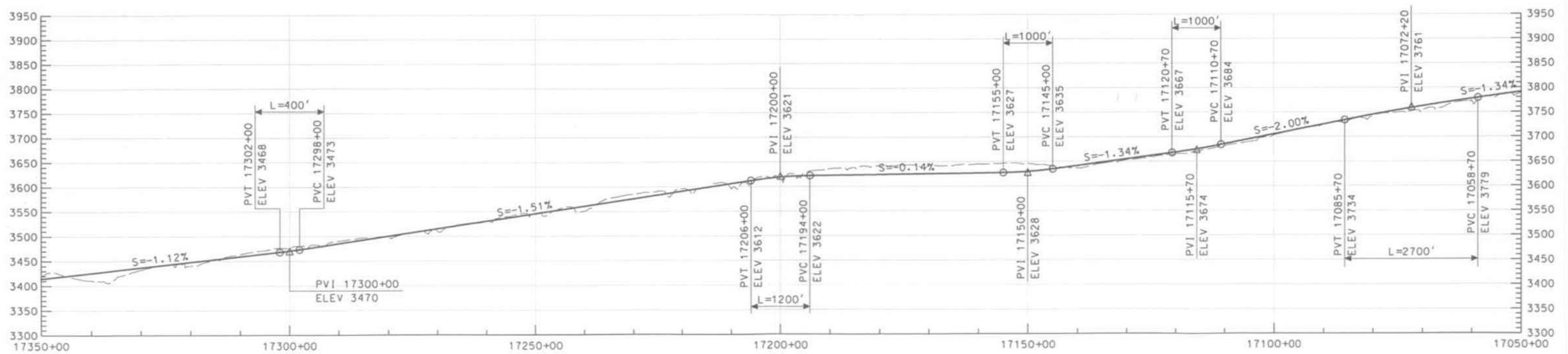
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS6
16750+00 TO 17050+00

SIZE | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-D-CS61-PP-0059-02 | REV 02

SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 59 OF 100





THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: PTD	
DESIGNER: PTD	
CHECKED: JRC	
VERIFICATION: SNE	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS6
17050+00 TO 17350+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-0-CS62-PP-0060-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 60 OF 100

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5/3/2007
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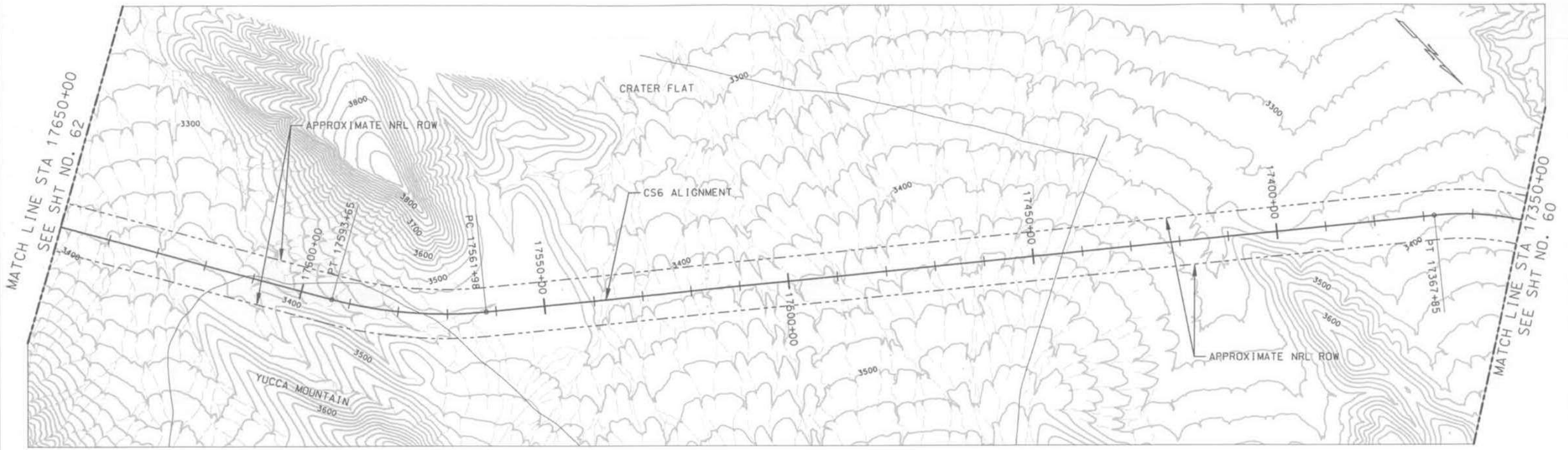

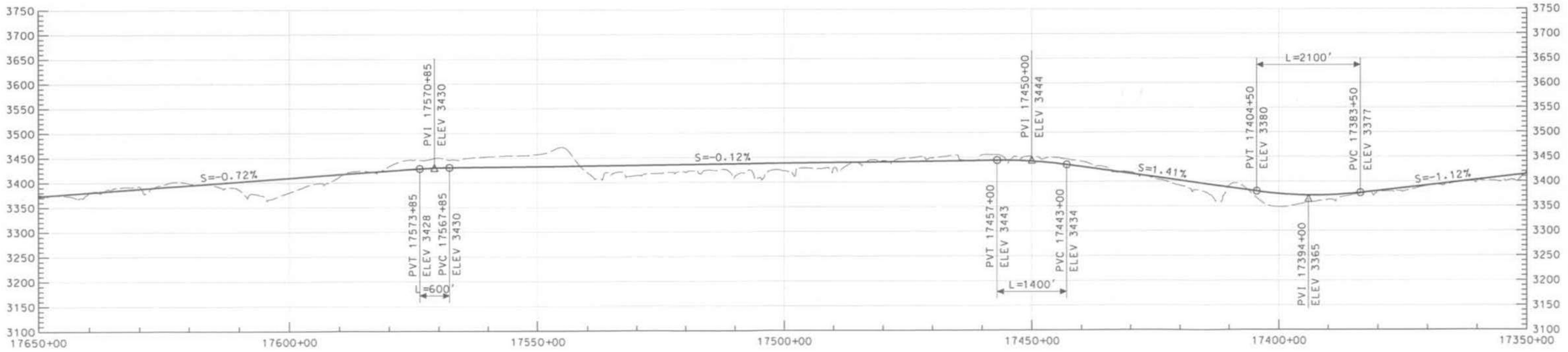

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIALIZATE
DRAWN BY PTO	
DESIGNATION PTO	
CHECKER SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
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BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS6
17350+00 TO 17650+00

SIZE | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-D-CS63-PP-0061-02 | REV 02

SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 61 OF 100

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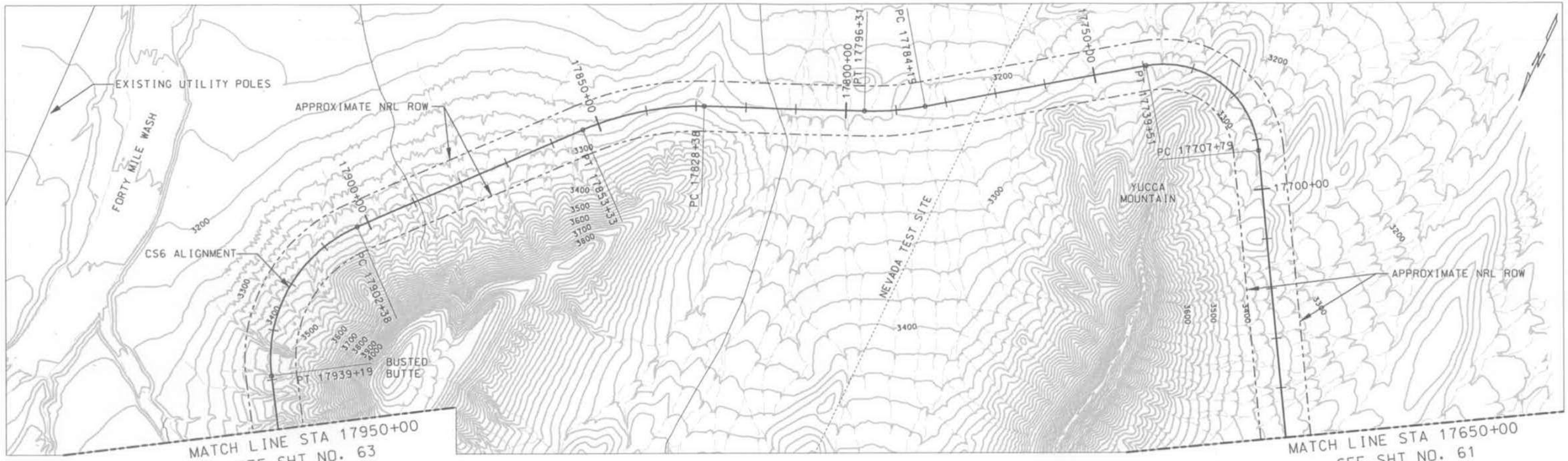

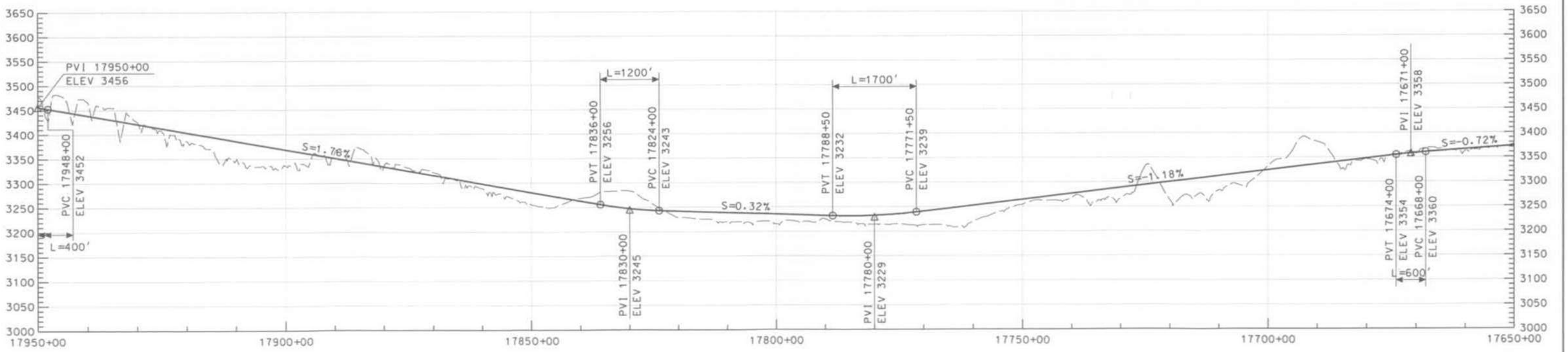

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	PTO
CHECKED BY	PTO
DESIGNER	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS6
17650+00 TO 17950+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 62 OF 100

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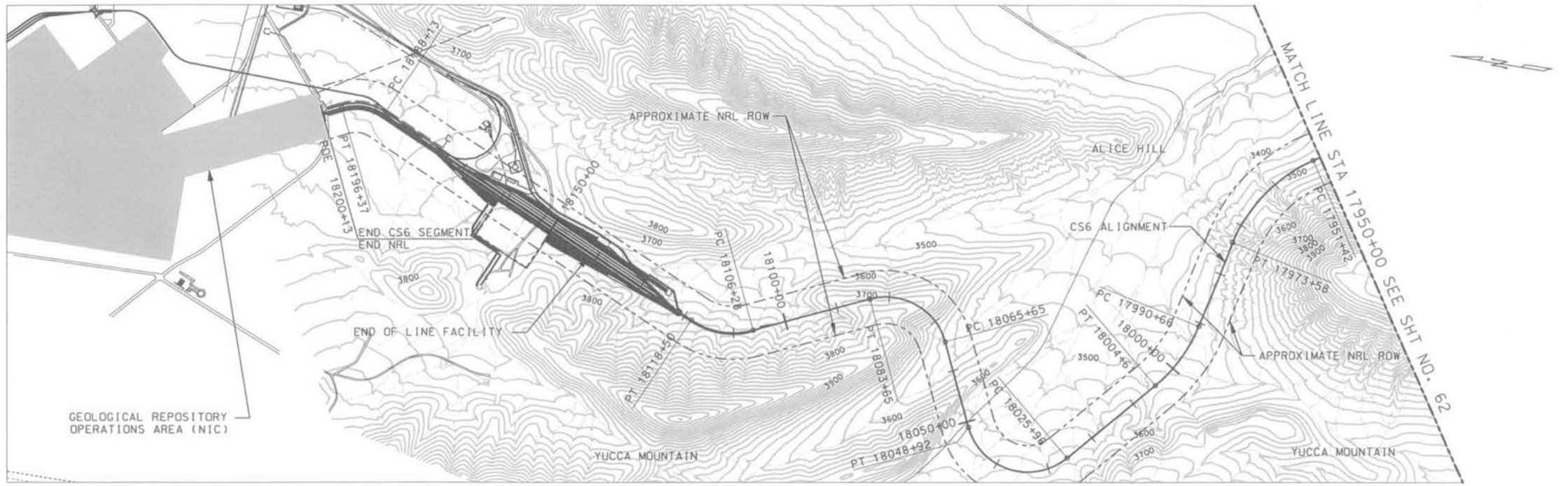
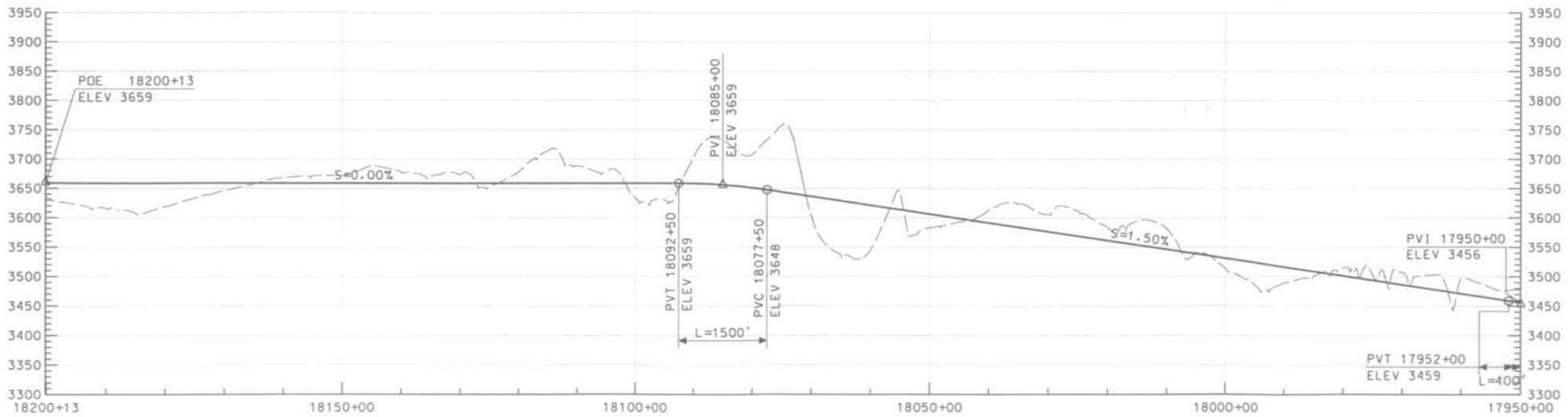

APPROXIMATE NRL ROW
ALICE HILL
MATCH LINE STA 17950+00 SEE SHT NO. 62
CS6 ALIGNMENT
POE 18200+13
ROE 18200+13
PT 18196+37
END CS6 SEGMENT
END NRL
PC 18106+28
18100+00
18150+00
END OF LINE FACILITY
PT 18118+50
PT 18083+65
PC 18065+65
18050+00
PT 18048+92
PC 18025+98
PC 17990+68
PT 18004+61
18000+00
PC 17951+42
PT 17973+58
APPROXIMATE NRL ROW
GEOLOGICAL REPOSITORY
OPERATIONS AREA (NIC)
YUCCA MOUNTAIN
YUCCA MOUNTAIN



THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
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APPROVALS	INITIAL/DATE
DRAWN BY PTD	
DESIGNER PTD	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

CS6
17950+00 TO 18200+13

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-D-CS6S-PP-0063-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 63 OF 100

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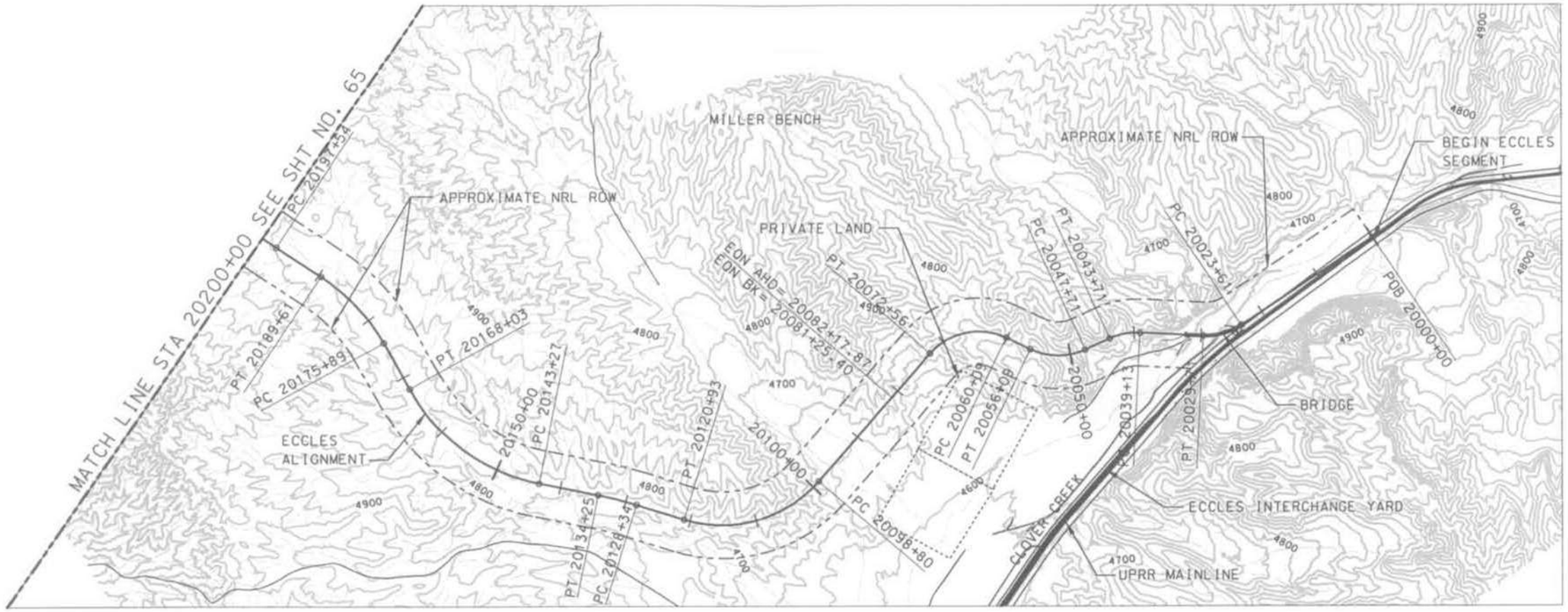

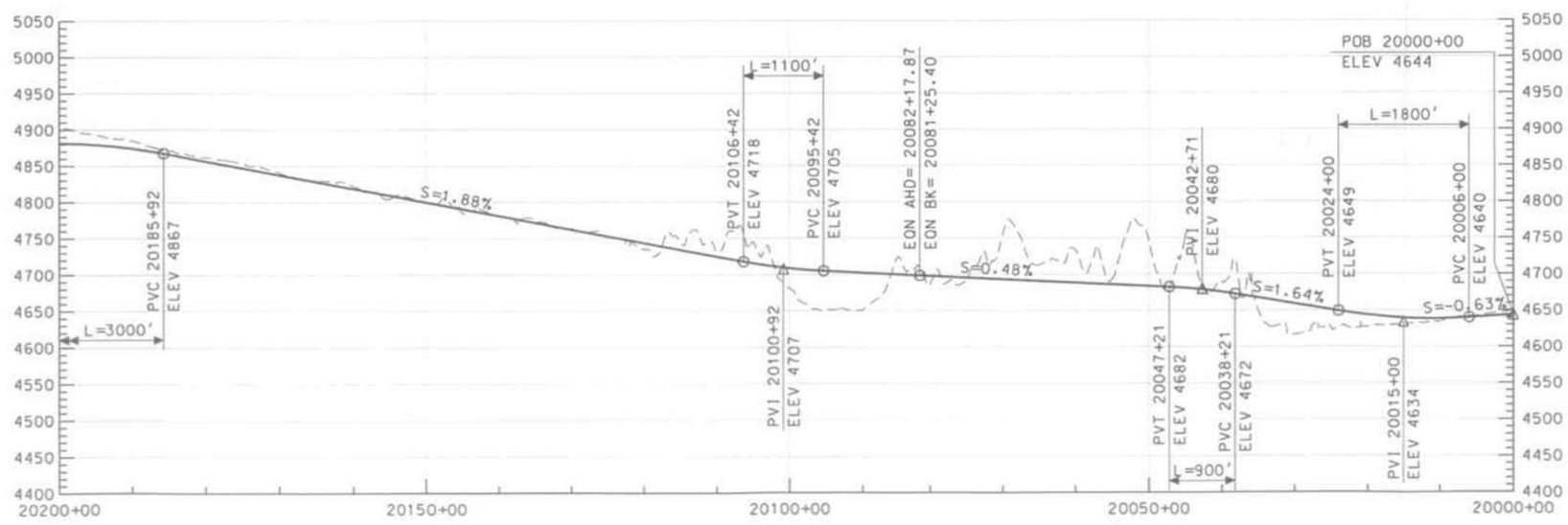

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY PTO	
DESIGNATION DRP	
CHECKER SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
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BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

ECCLES
20000+00 TO 20200+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-D-ECC1-PP-0064-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 64 OF 100

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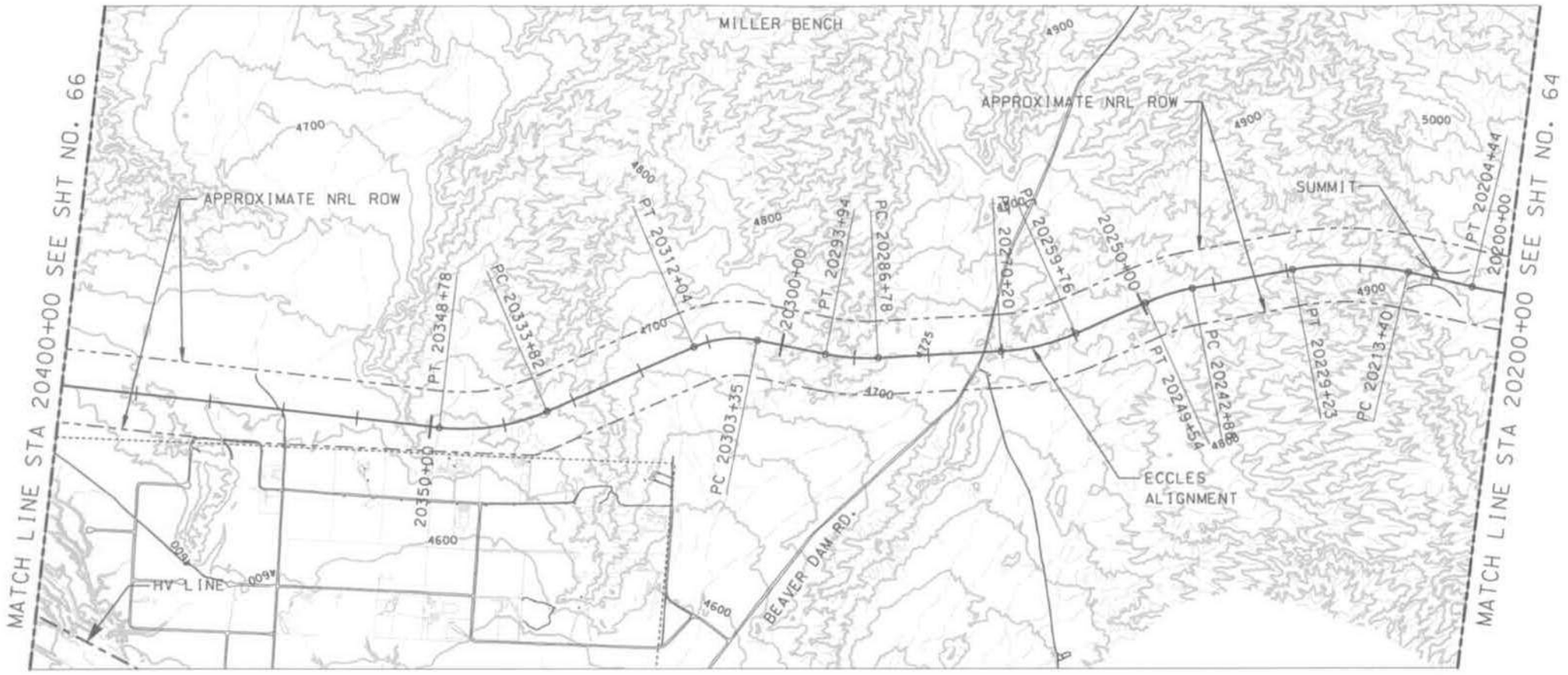

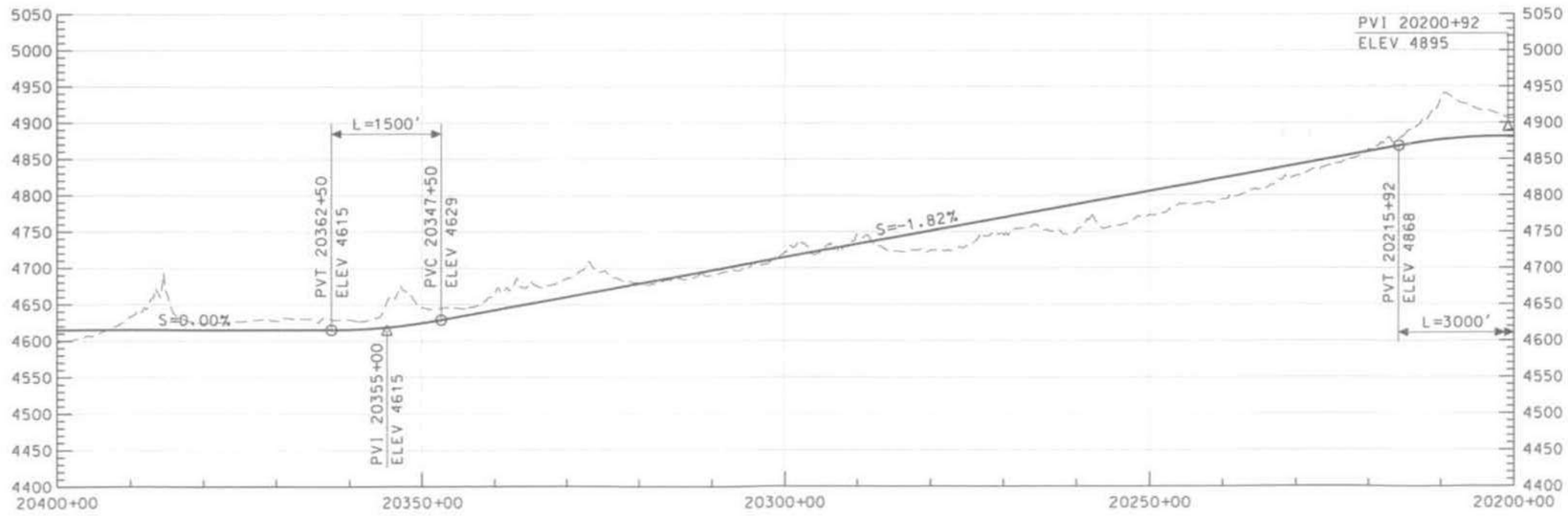

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

	APPROVALS	INITIAL/DATE
DRAWN BY	PTO	
DESIGNATION	DRP	
CHECKED	SNF	
VERIFICATION	JRC	
DESIGN LEAD ENGINEER	LEM	
QUALITY ENGINEERING REP	TMS	
PROJECT ENGINEER	JRC	

U.S. DEPARTMENT OF ENERGY
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BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

ECCLES
20200+00 TO 20400+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-ECC2-PP-0065-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 65 OF 100

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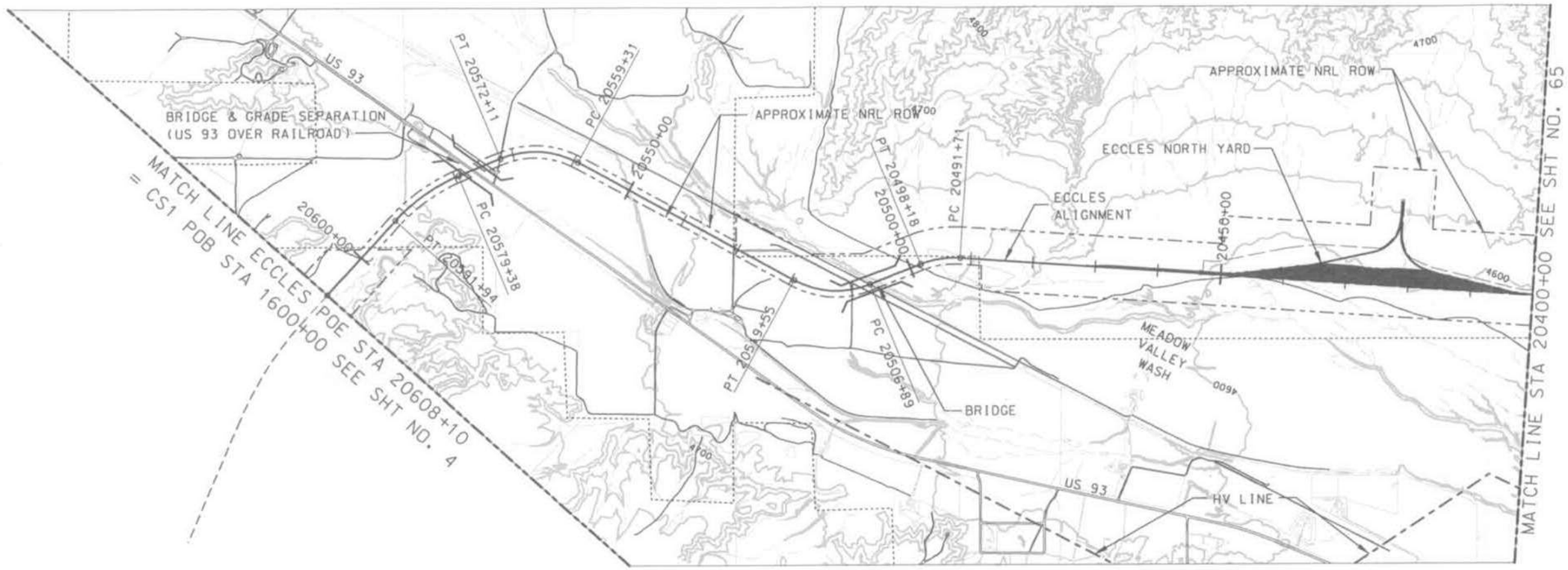

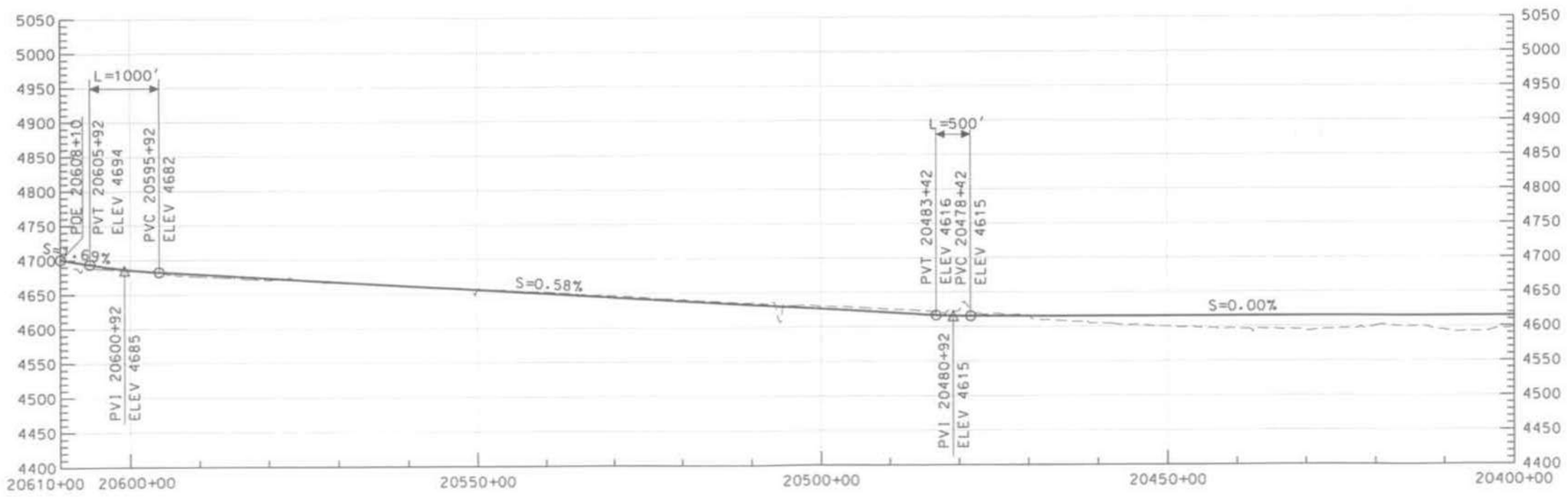

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY PTO	
DESIGNER DRP	
CHECKED SNE	
ACCEPTED JAC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP. TMS	
PROJECT ENGINEER JAC	

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BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

ECCLES
20400+00 TO 20608+10

SIZE D | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-D-ECC1-PP-0066-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 66 OF 100

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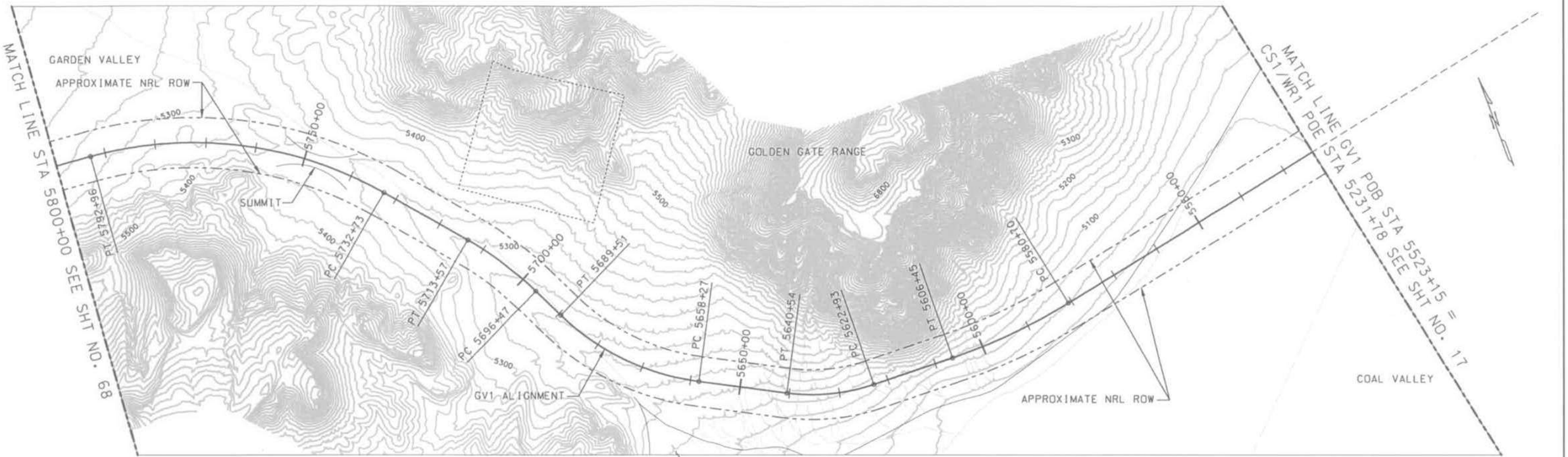

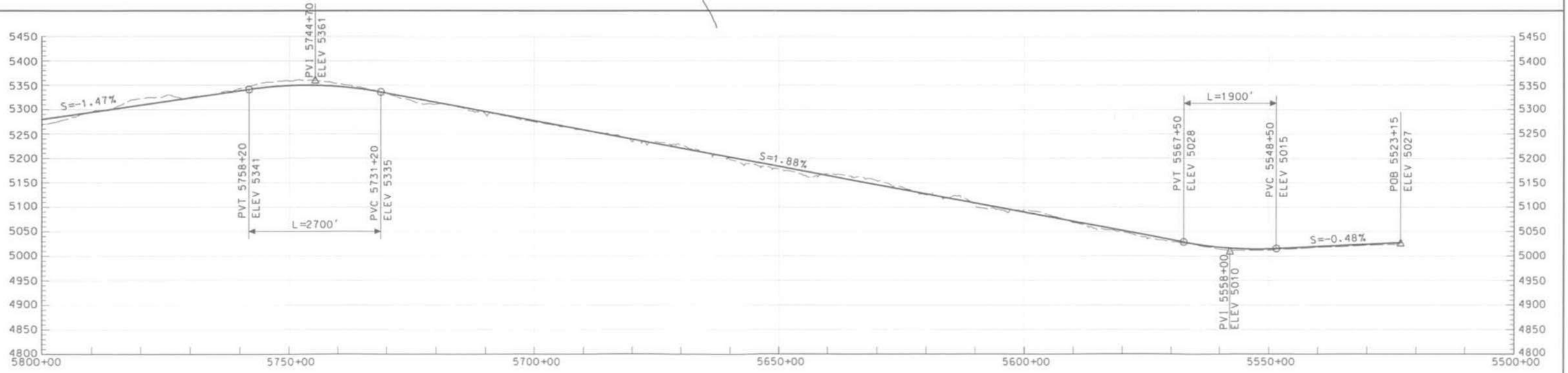

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	JLB
DESIGNER	PRD
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV1
5523+15 TO 5800+00

SCALE	DOCUMENT IDENTIFIER	REV
AS SHOWN	NRP-0-GV11-PP-0067-02	02
SAFETY CATEGORY	CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 67 OF 100

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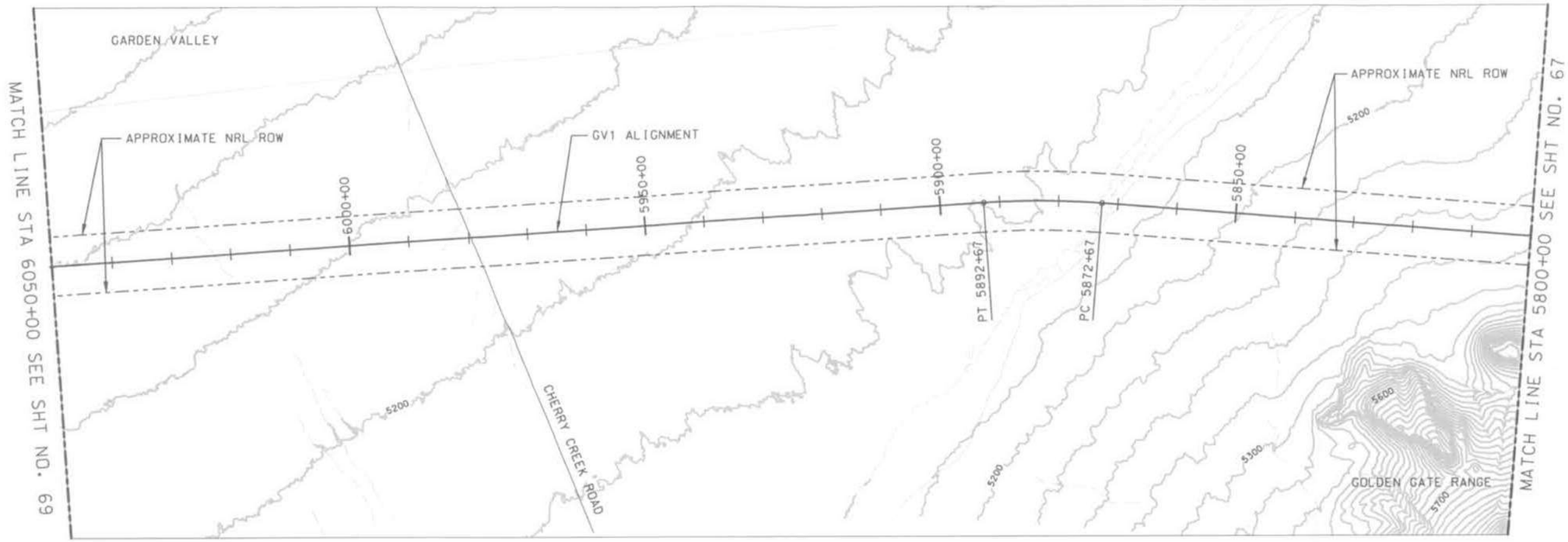

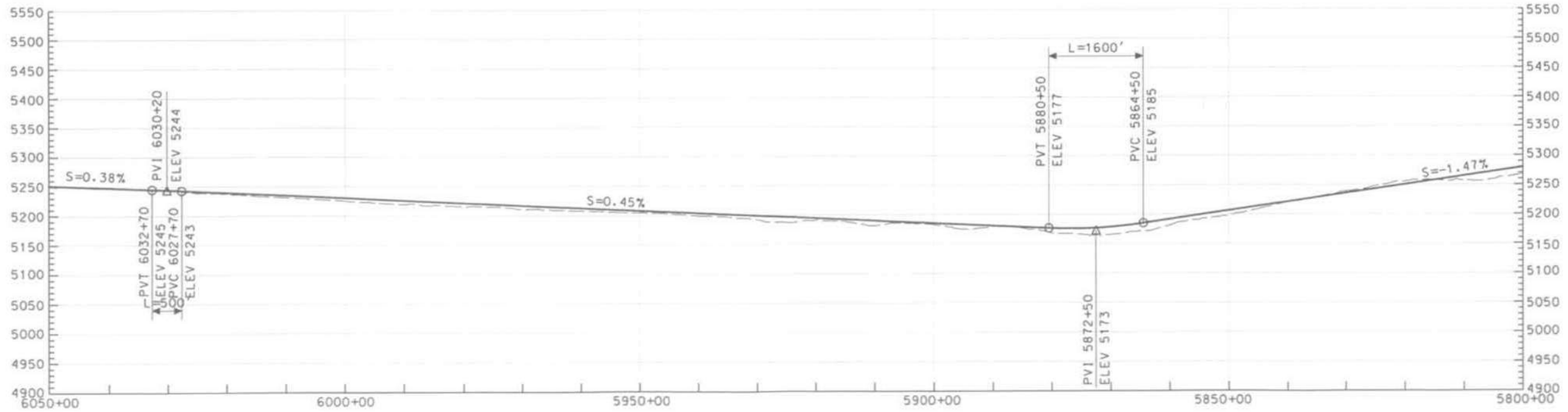

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
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APPROVALS	INITIAL/DATE
DRAWN BY JLB	
DESIGNATION PRD	
CHECKER SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
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BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV1
5800+00 TO 6050+00

SIZE | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-D-GV12-PP-0068-02 | REV 02

SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 68 OF 100

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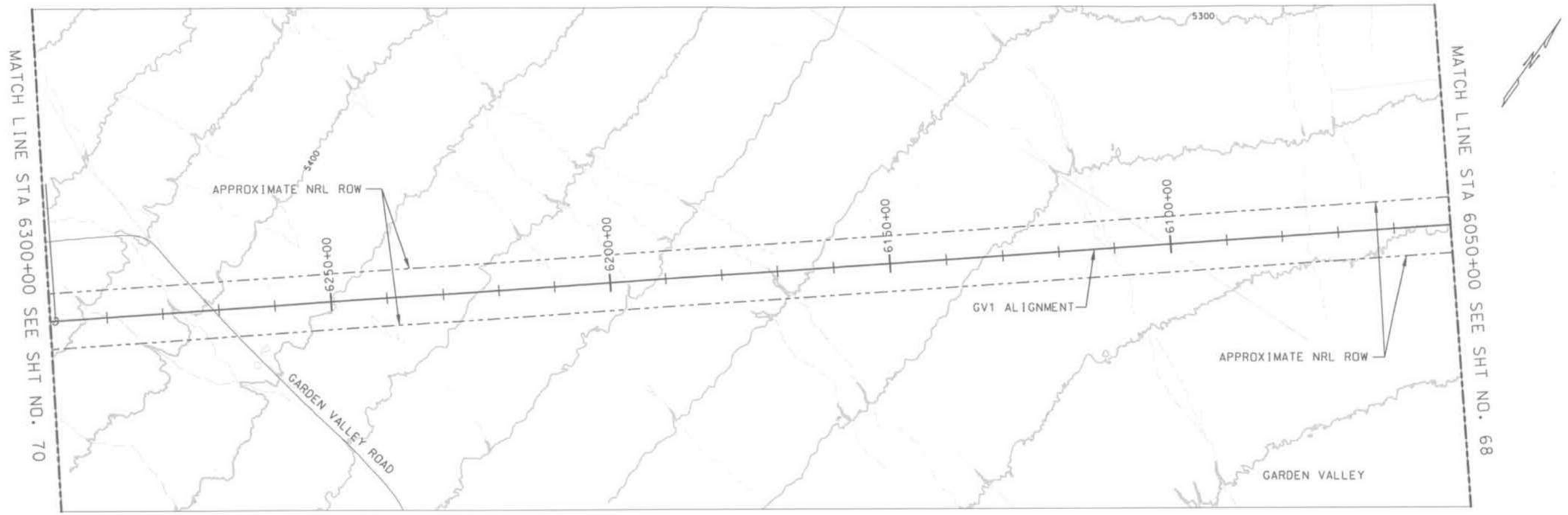

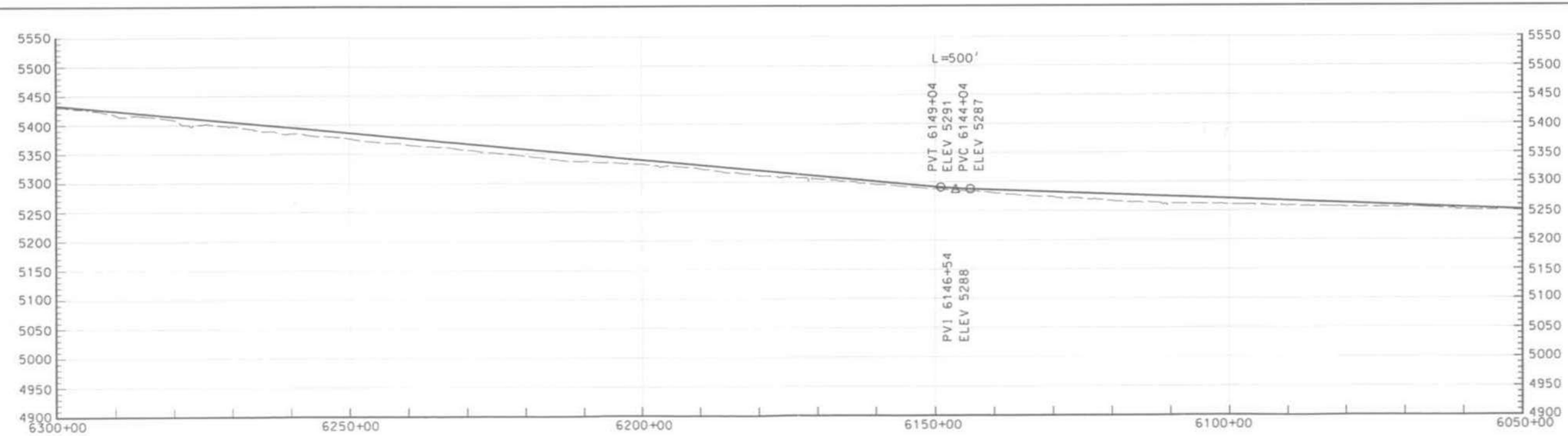

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
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APPROVALS	INITIAL/DATE
DRAWN BY JLB	
DESIGNER PRD	
CHECKER SNE	
DEVELOPER JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
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BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV1
6050+00 TO 6300+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08-05-02.55	SHEET 69 OF 100

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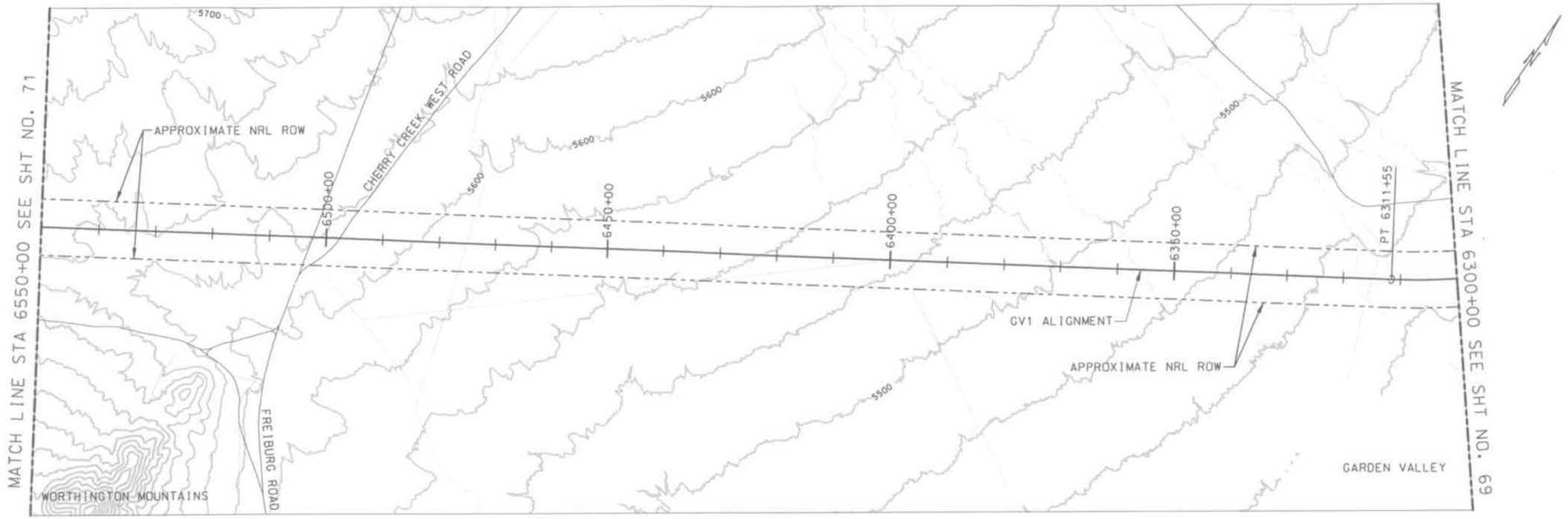

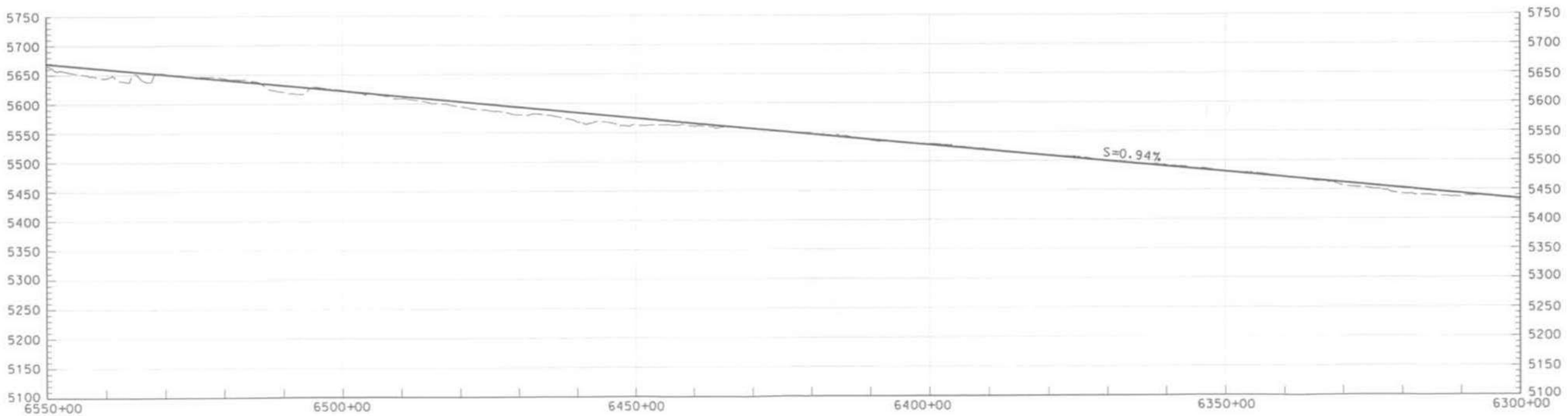

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

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DRAWN BY	JLP
DESIGNER	PRD
CHECKER	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP.	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV1
6300+00 TO 6550+00

FILE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-0-GV14-PP-0010-02	02
SAFETY CATEGORY	CAD SOFTWARE	MICROSTATION V08.05.02.55	SHEET 70 OF 100

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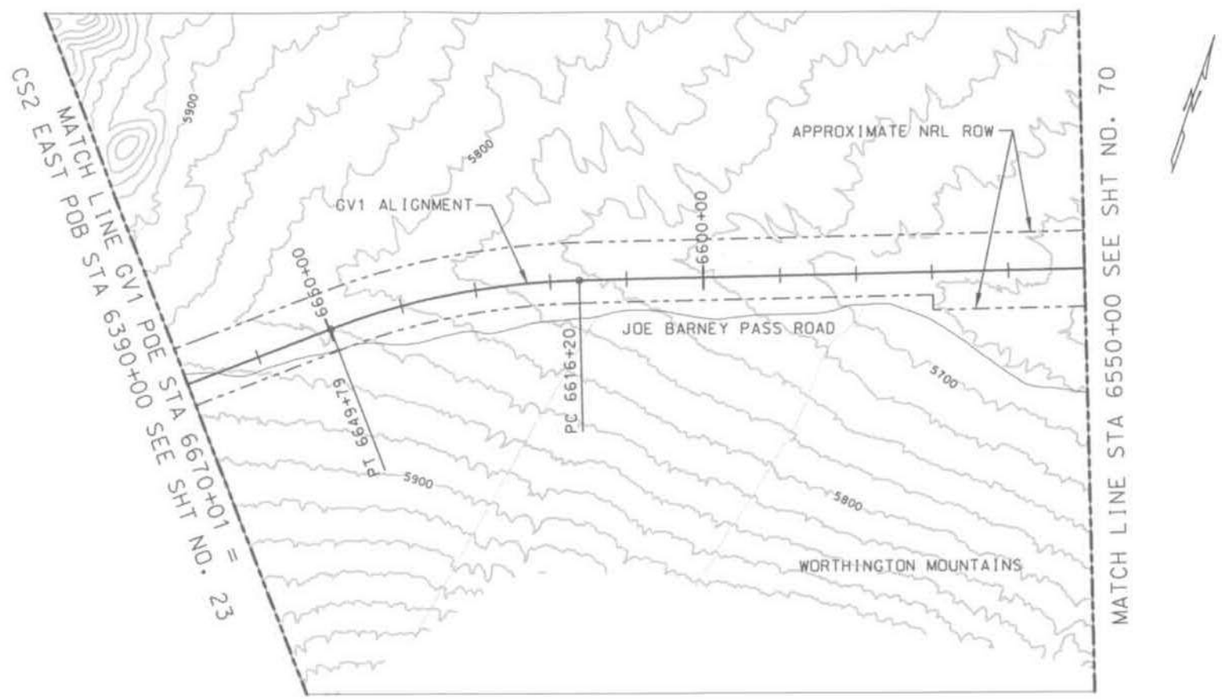

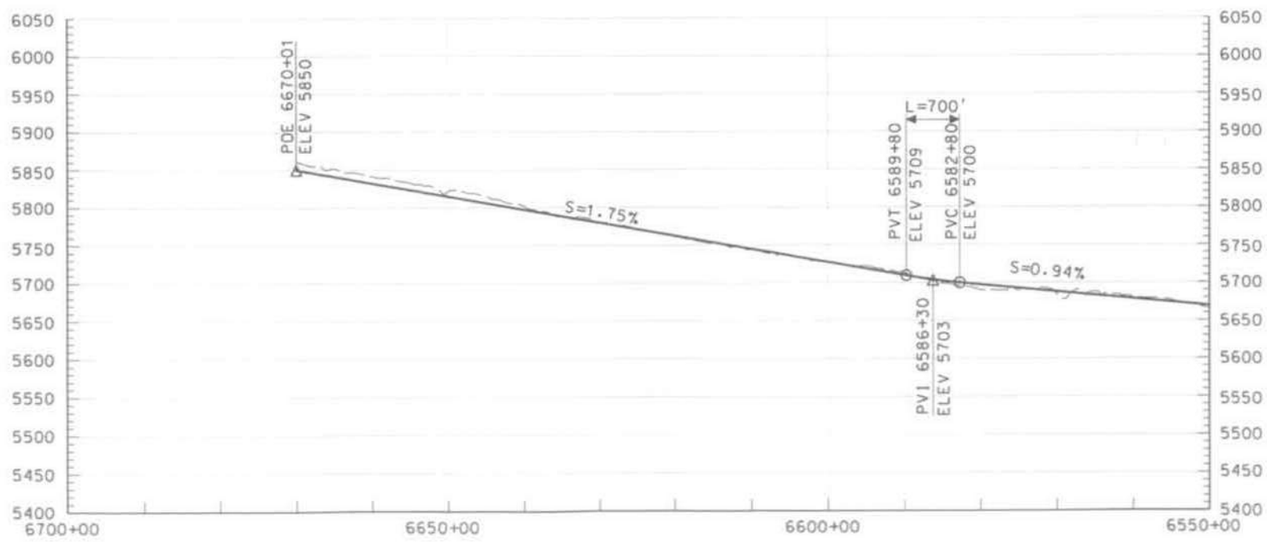

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

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NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

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DRAWN BY	JLB
DESIGNER	PRD
CHECKED	SNE
MODIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV1
6550+00 TO 6670+01

SCALE	DRAWING IDENTIFIER	REV
AS SHOWN	NRP-D-GV15-PP-0071-02	02
SAFETY CATEGORY	CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 71 OF 100

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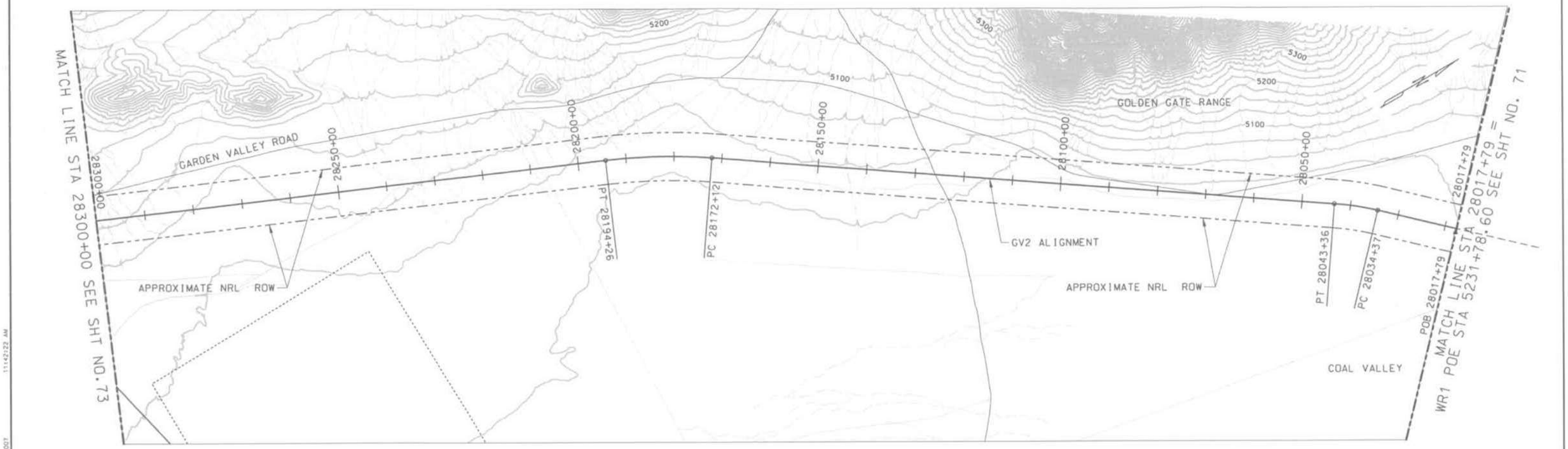

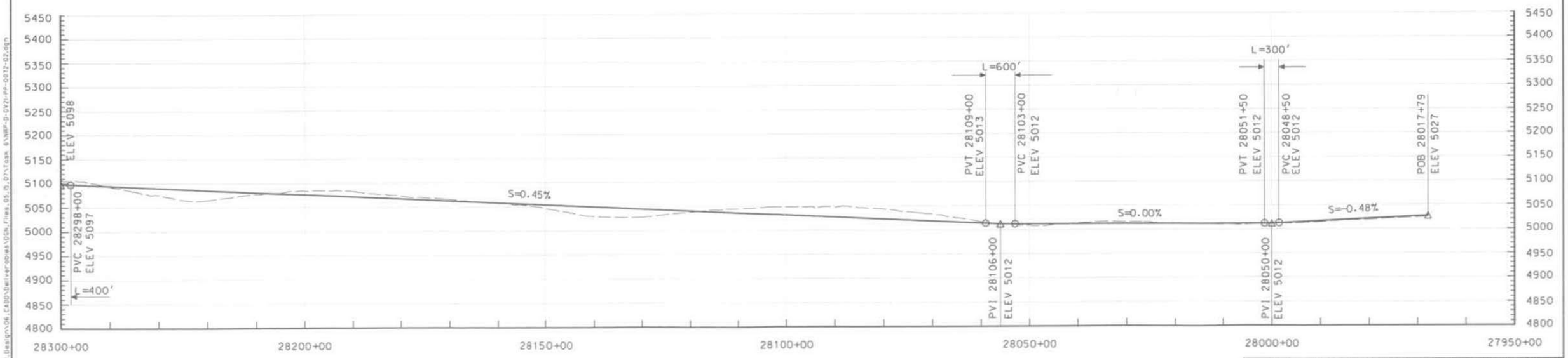

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: WHL	
DESIGNER: PRD	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC: Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV2
28017+79 TO 28300+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-0-GV21-PP-0072-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 72 OF 100

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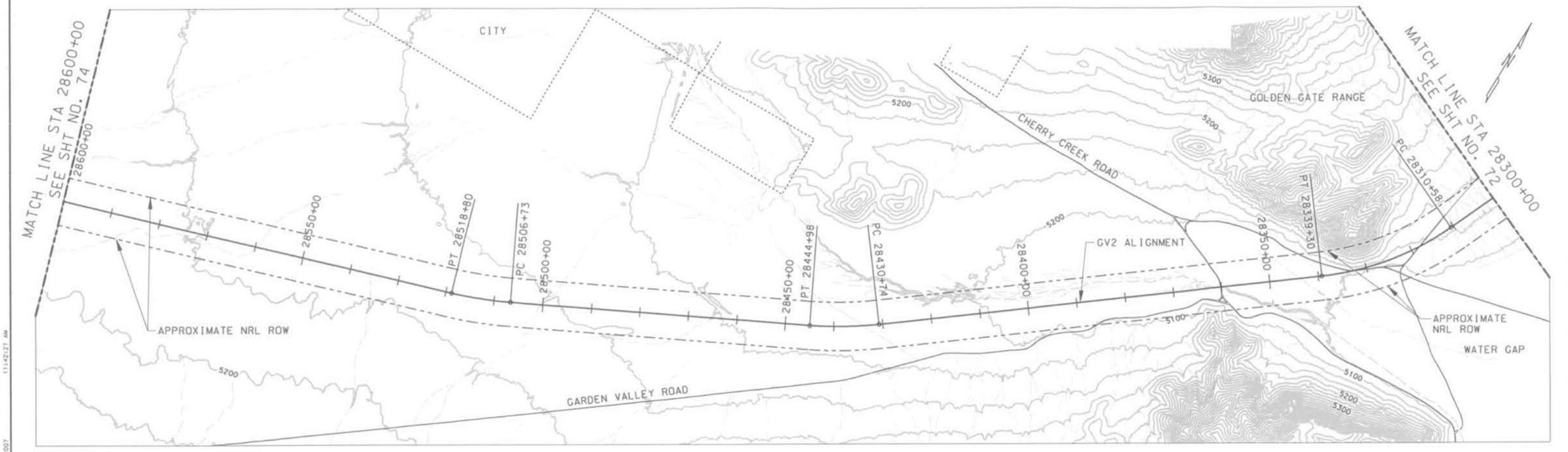

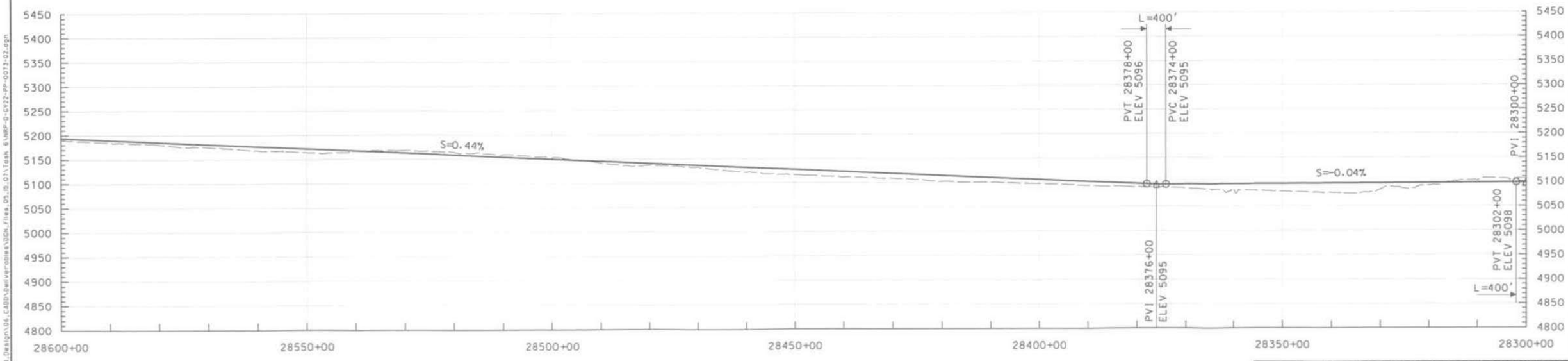

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY WHL	
DESIGNATION PRD	
CHECKER SNE	
MODIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV2
28300+00 TO 28600+00

CODE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 73 OF 100

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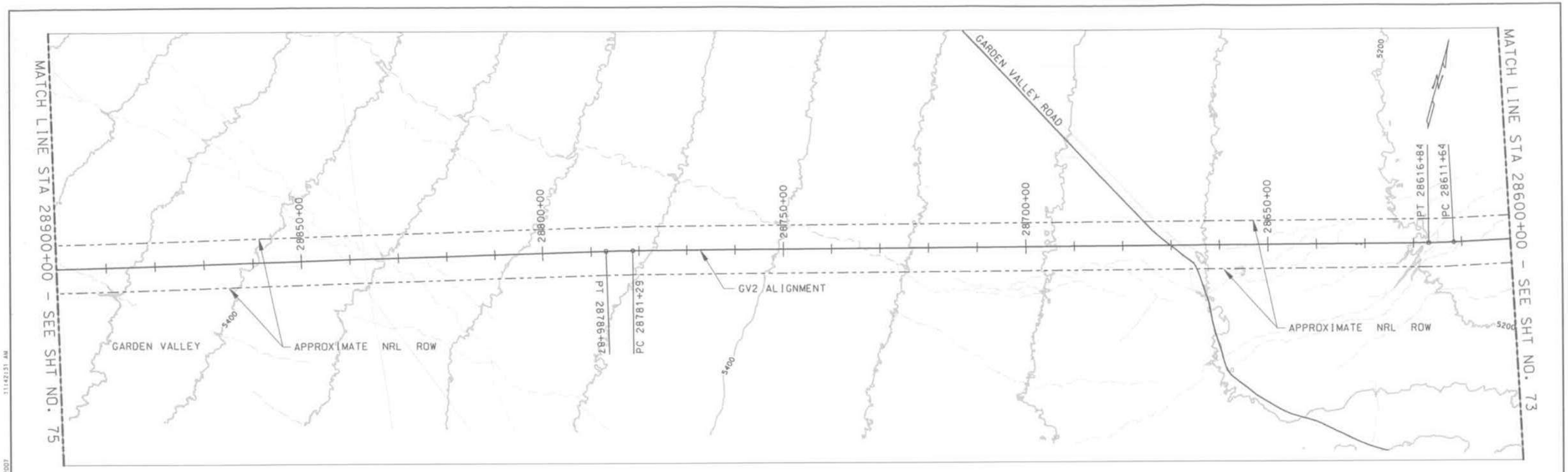

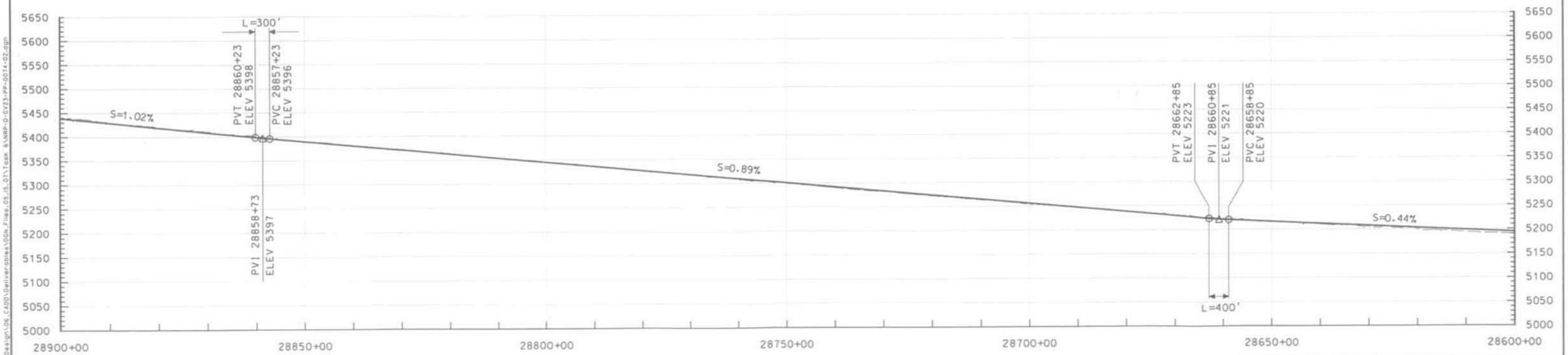

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
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V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: WHL	
DESIGNER: PRD	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV2
28600+00 TO 28900+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-GV23-PP-0074-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 74 OF 100

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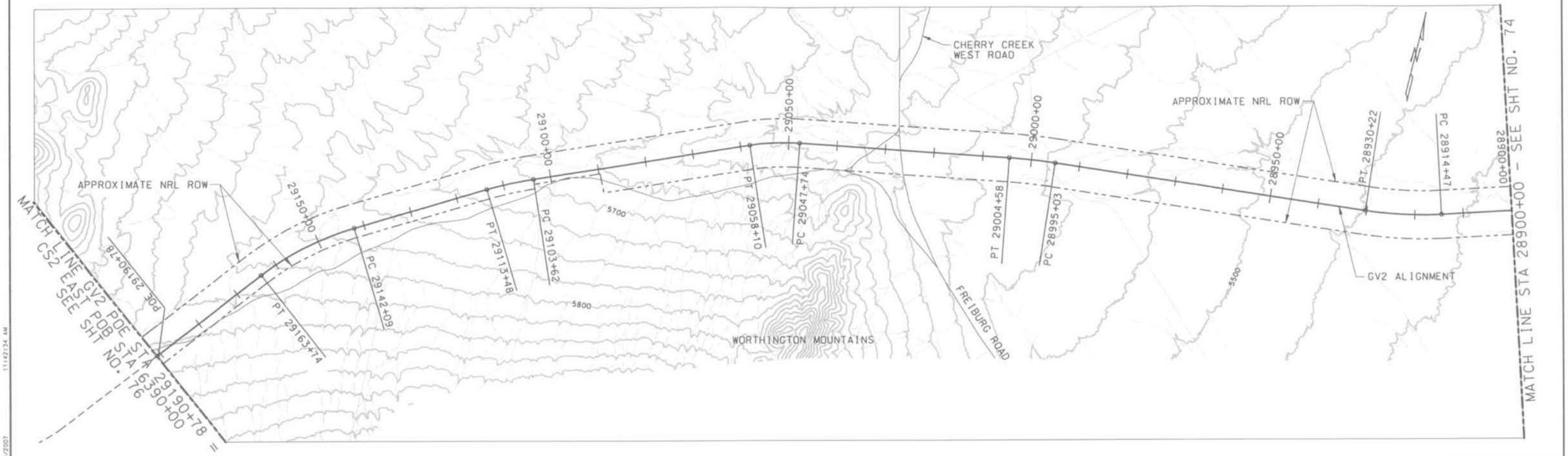

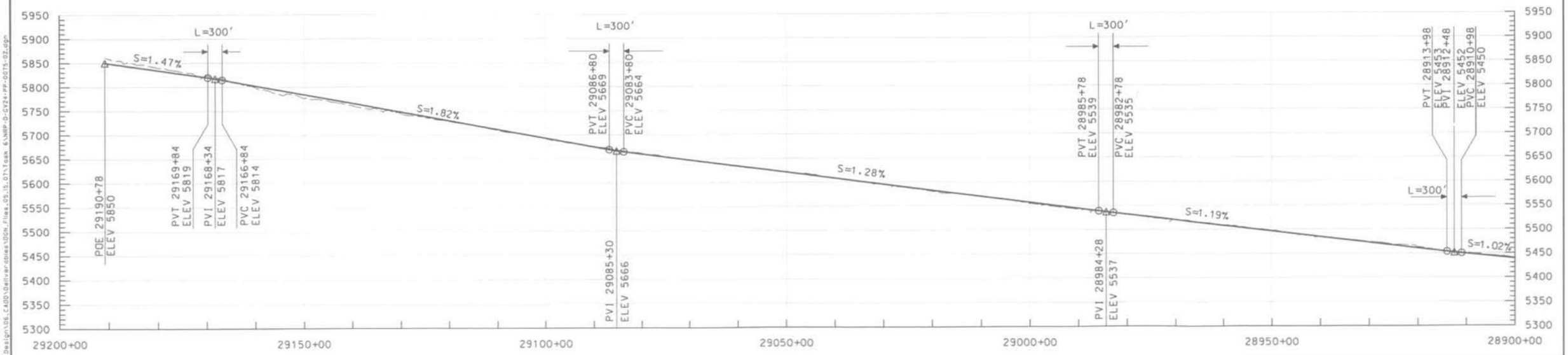

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY WHL	
DESIGNER PRD	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV2
28900+00 TO 29190+78

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-GV24-PP-0075-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 75 OF 95

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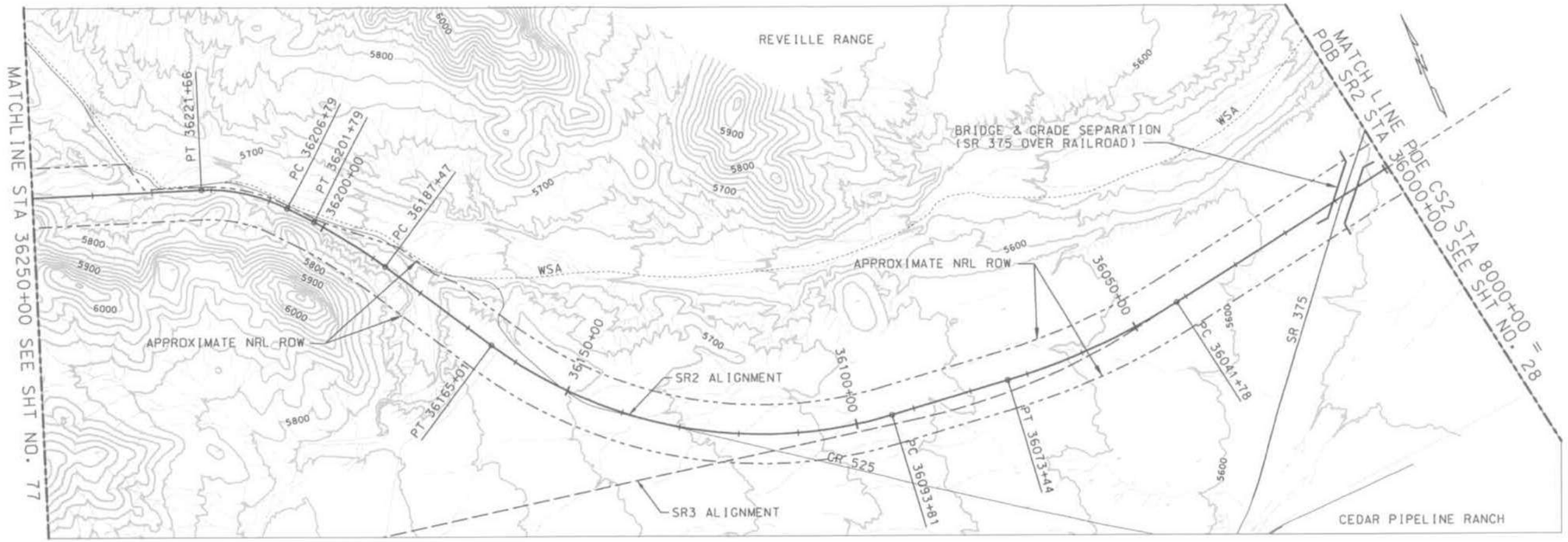

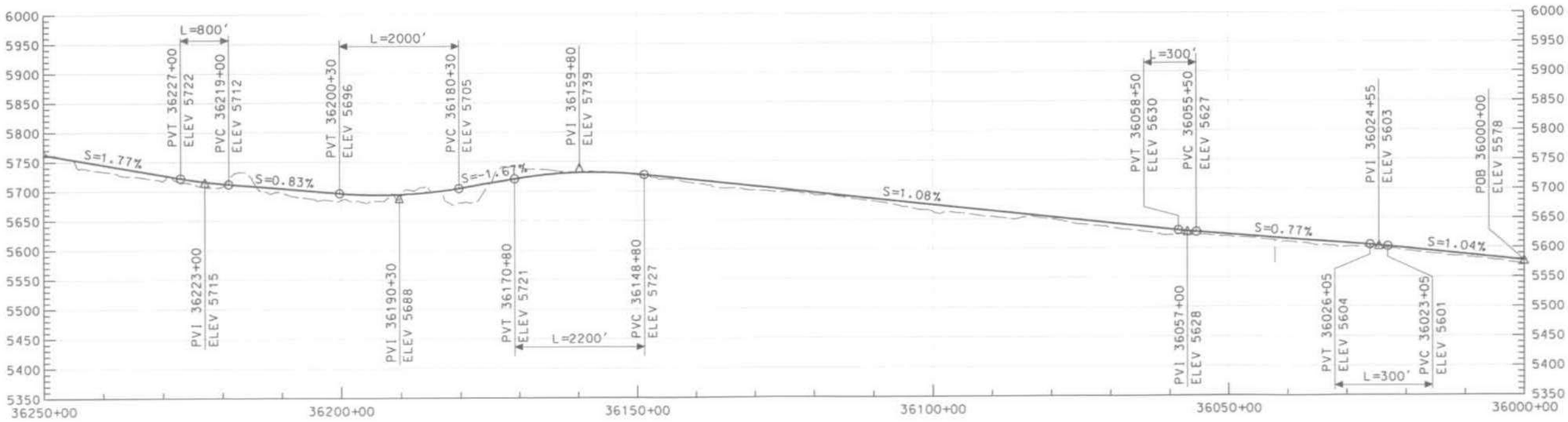

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: CJW	
DESIGNER: LCL	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
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BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

SR2
36000+00 TO 36250+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-0-SR21-PP-0076-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 76 OF 100

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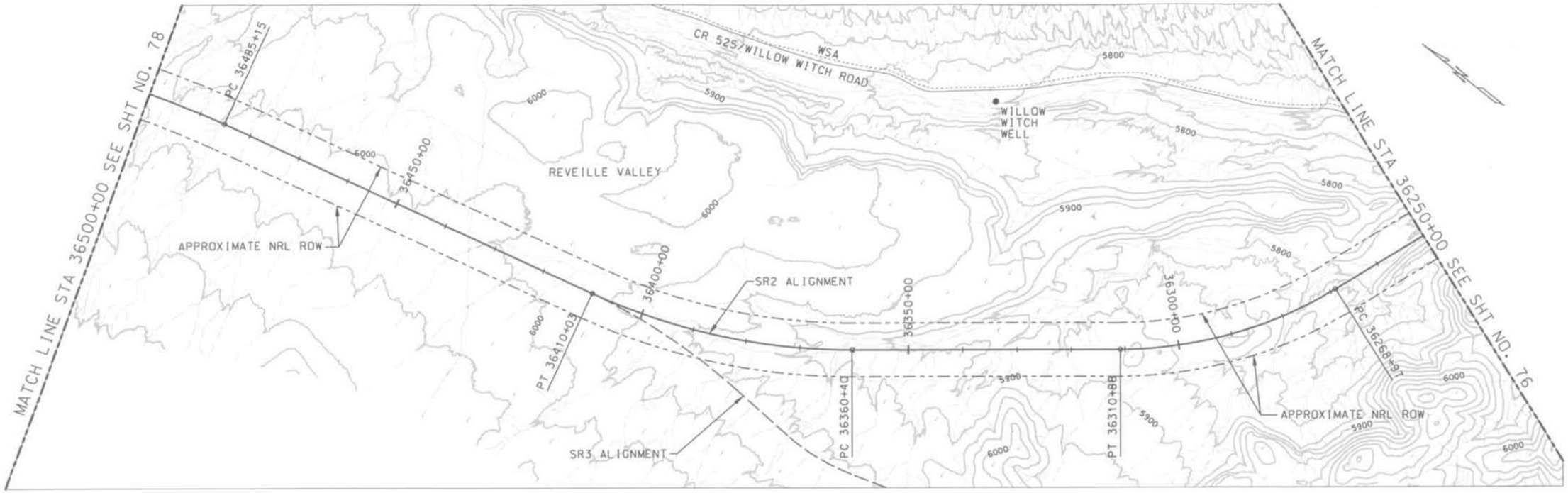

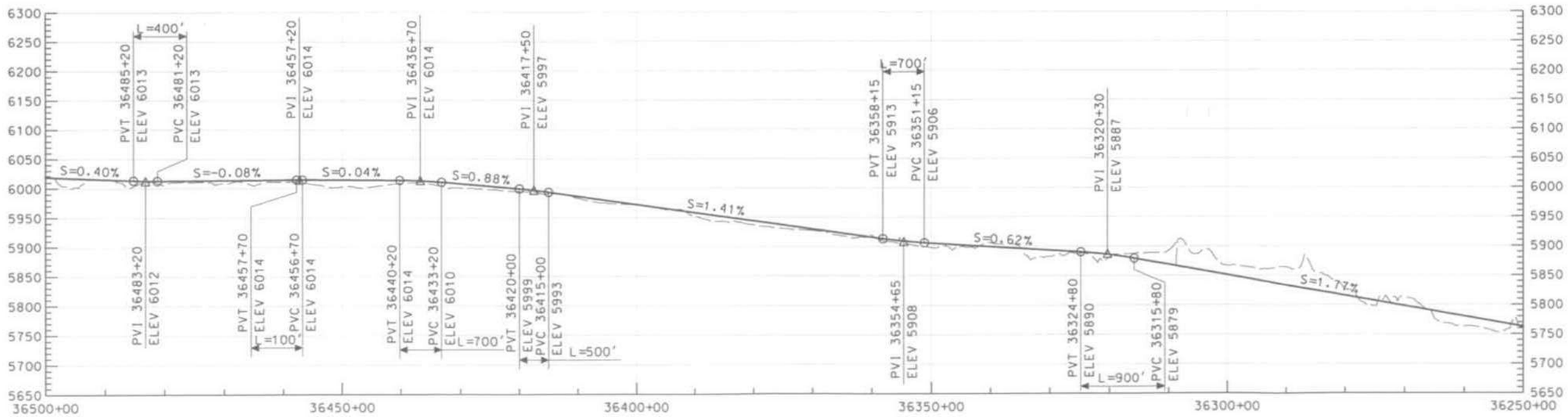

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY	CJW
DESIGNED BY	LCL
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP.	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

SR2
36250+00 TO 36500+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 77 OF 100

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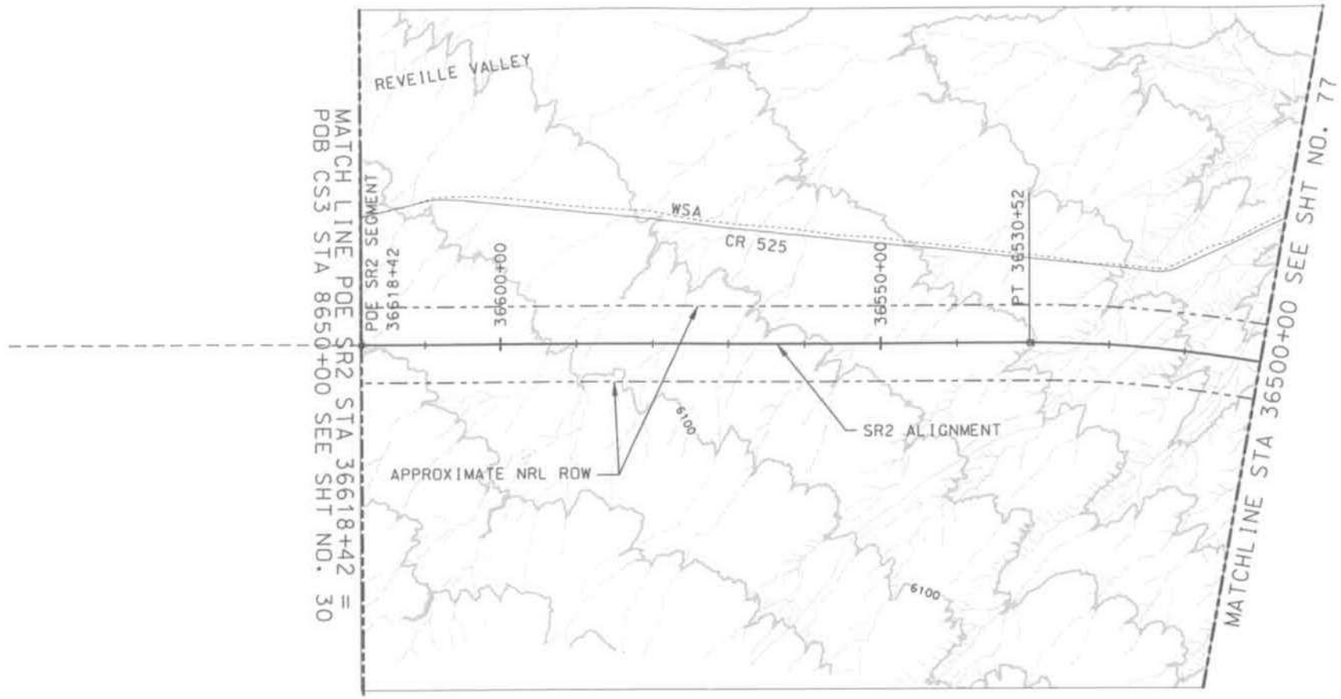

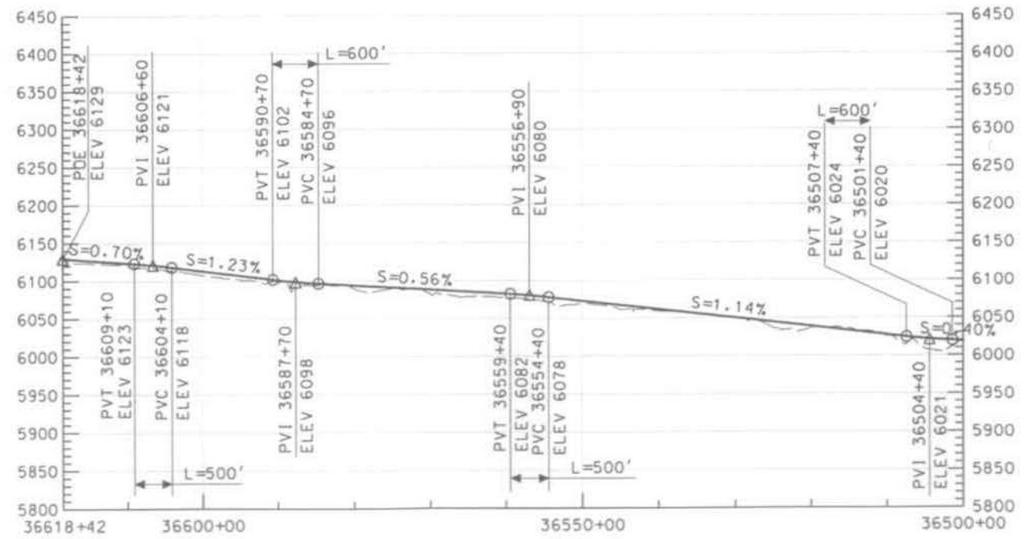

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DELTA-DATE
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DESIGNER: LCL	
CHECKED: SNF	
IDENTIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

SR2
36500+00 TO 36618+42

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-D-SR23-PP-0078-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 78 OF 100

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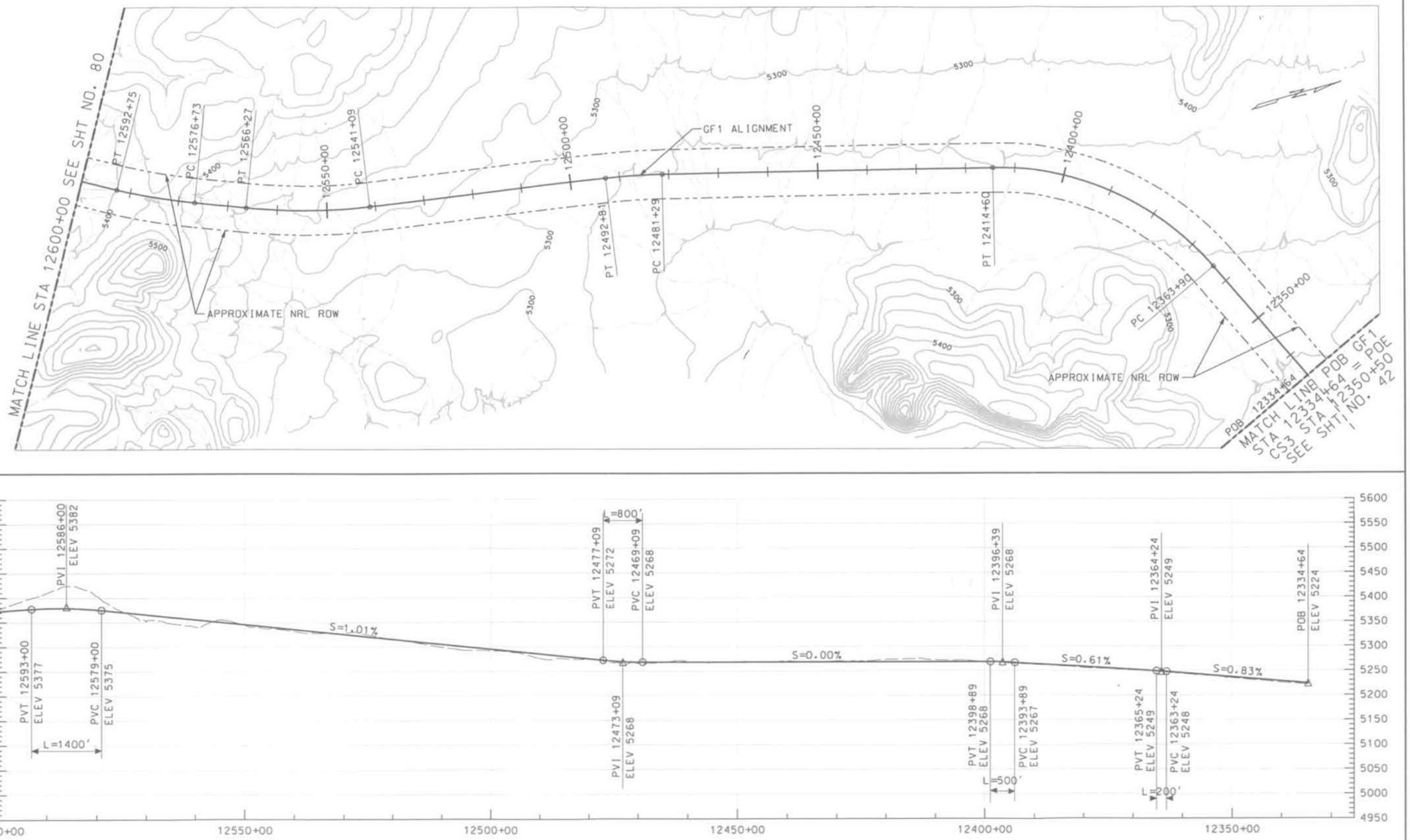

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIALIZATE
DRAWN BY SMW	
CHECKED YBM	
CHECKER SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF1
12334+64 TO 12600+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-D-GF11-PP-0079-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 79 OF 100

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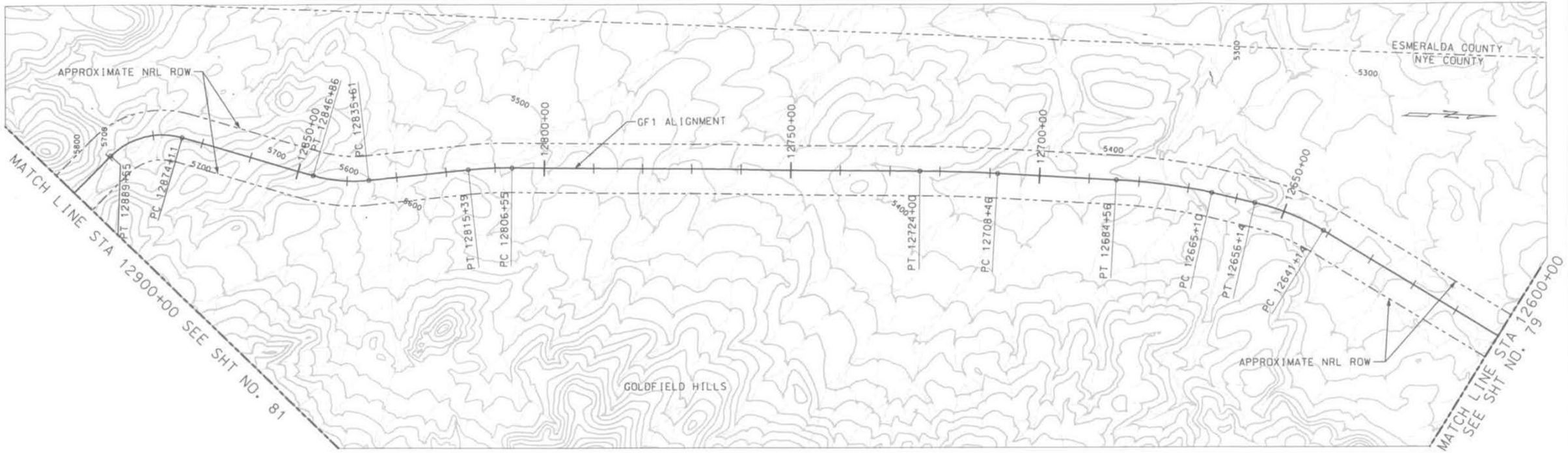

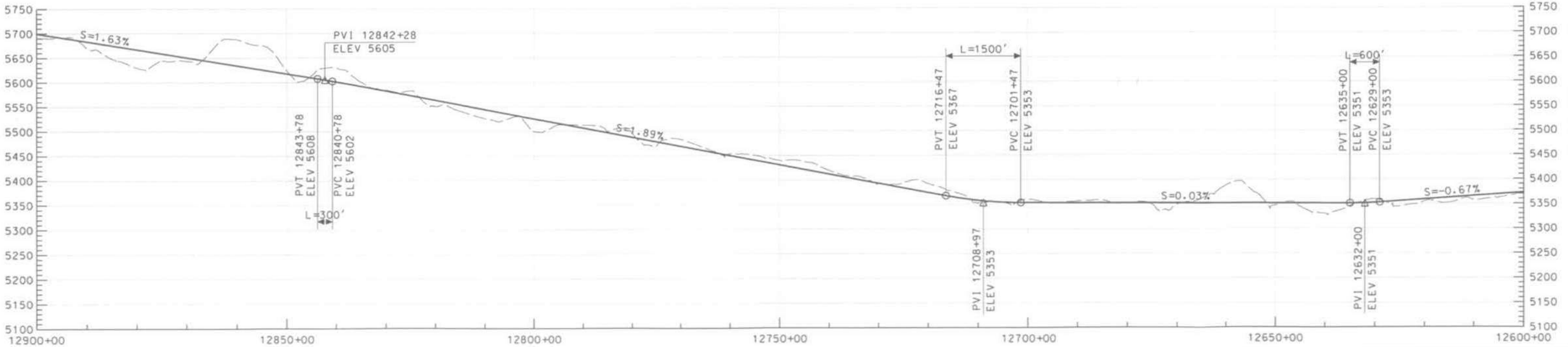

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY, LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS / INITIAL/DATE

DRAWN BY: SMW
DESIGNER: YBM
CHECKER: SNE
VERIFICATION: JRC
DESIGN LEAD ENGINEER: LEM
QUALITY ENGINEERING REP: TMS
PROJECT ENGINEER: JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF1
12600+00 TO 12900+00

SIZE: A5 SHOWN
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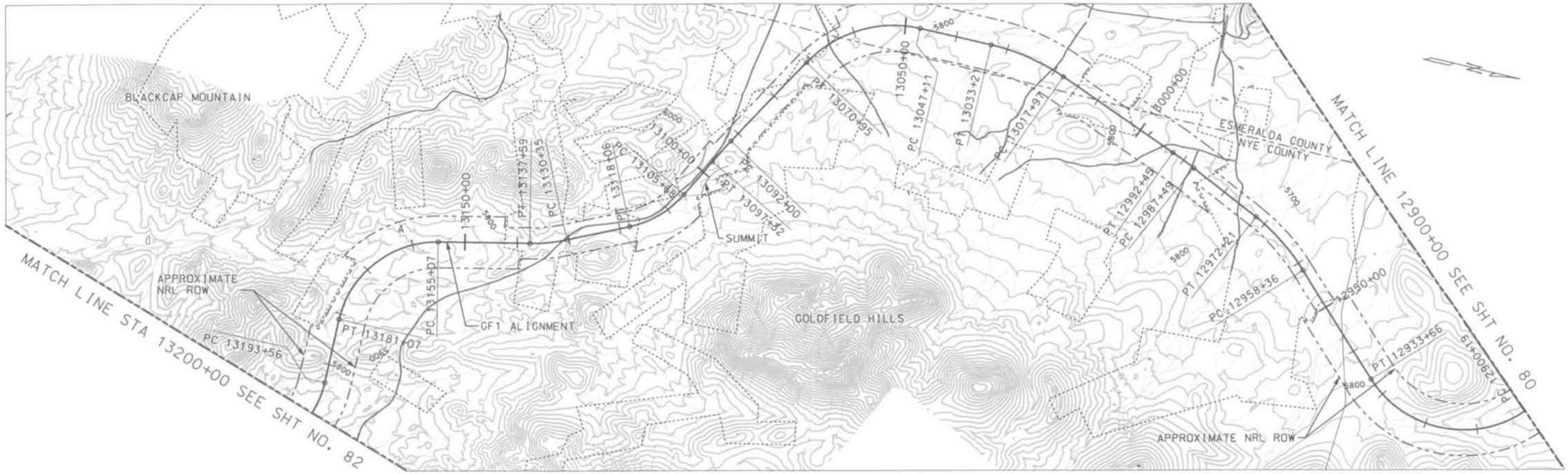
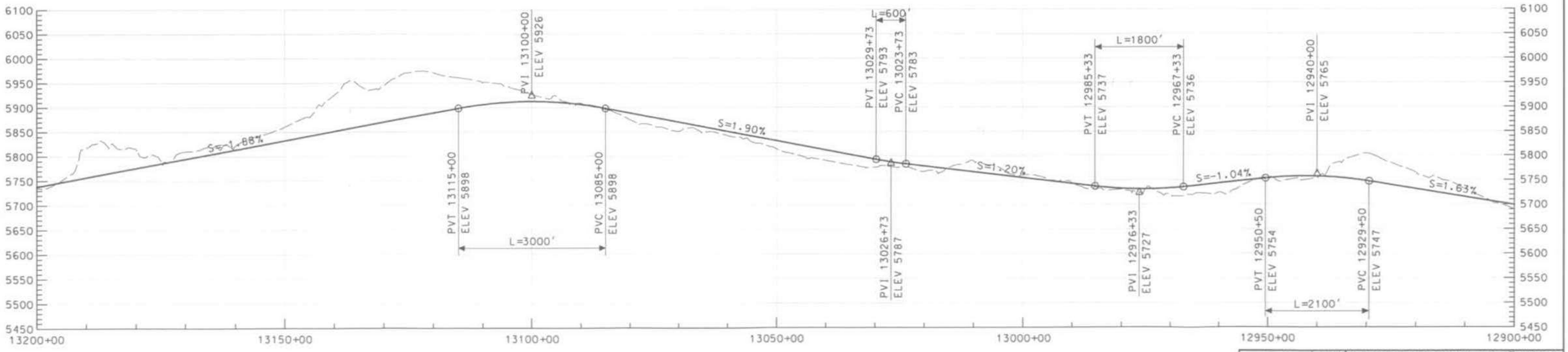
SAFETY CATEGORY:
CAD SOFTWARE: MICROSTATION V08.05.02.55
SHEET: 80 OF 100





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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY SMW	
DESIGNED YSM	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF1
12900+00 TO 13200+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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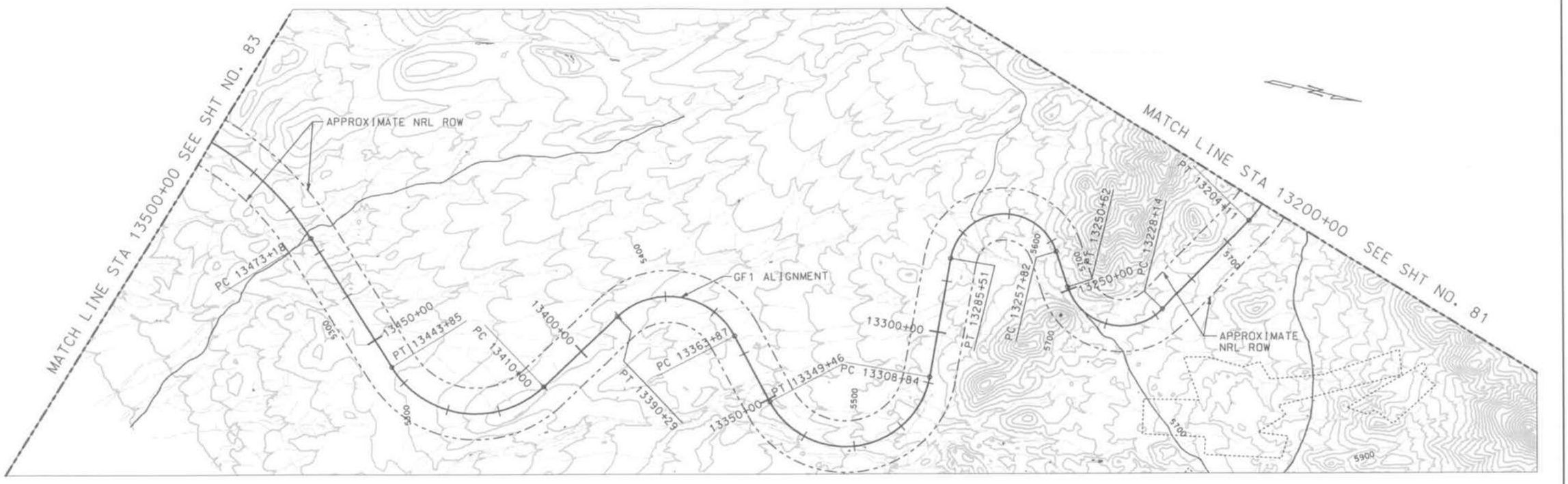

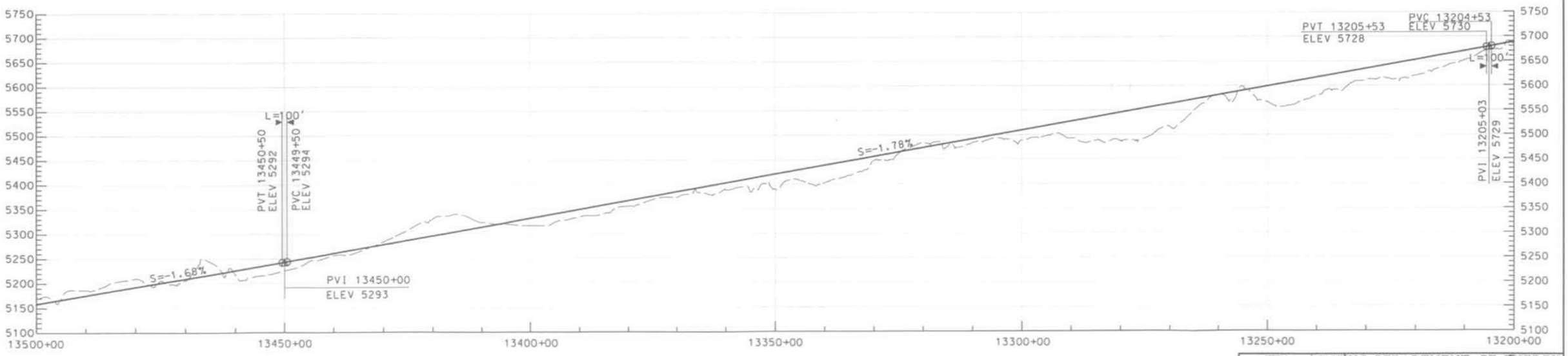

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	SMW
DESIGNER	YBM
CHECKER	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF1
13200+00 TO 13500+00

FILE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 82 OF 100

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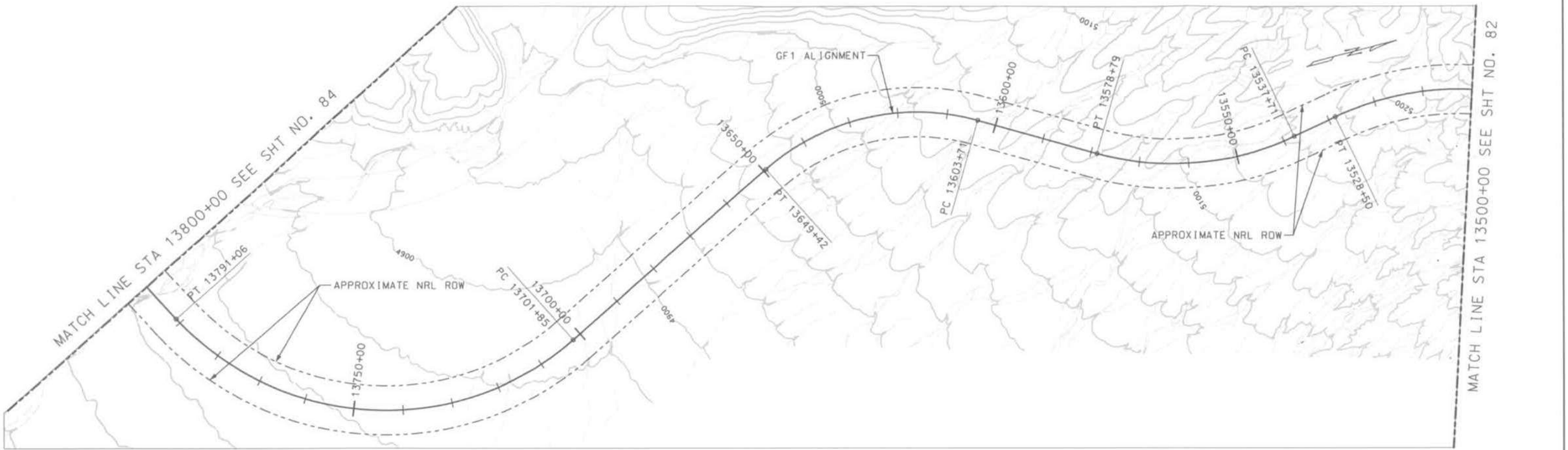

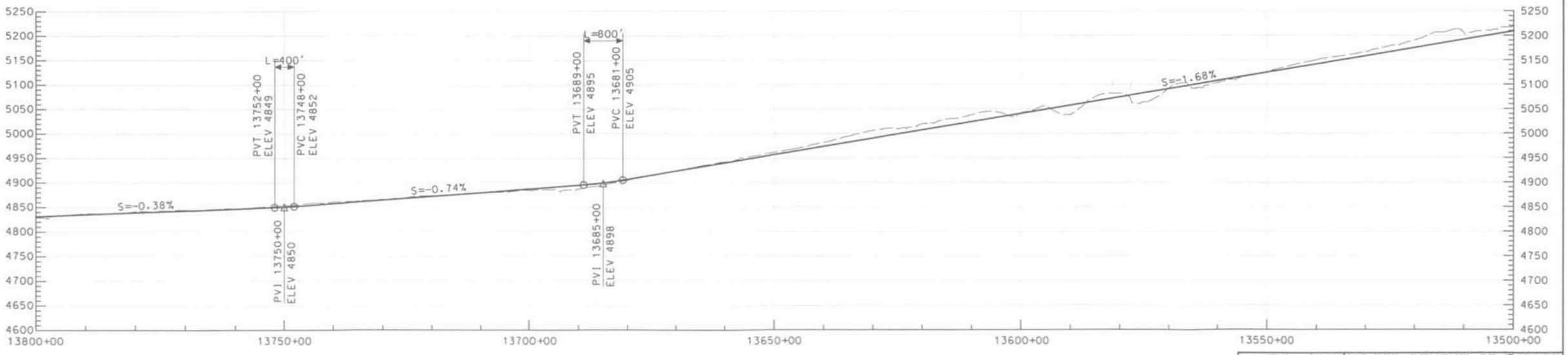

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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	SMW
DESIGNER	YBM
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF1
13500+00 TO 13800+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 83 OF 100

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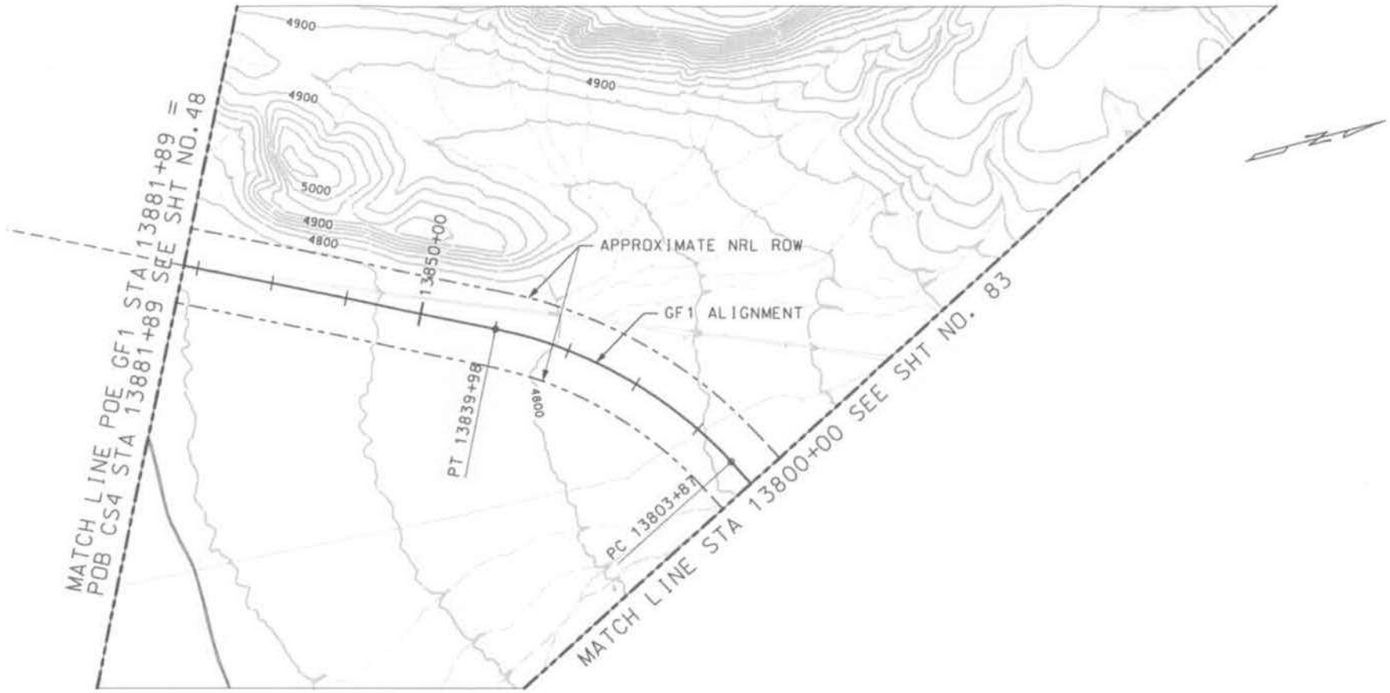

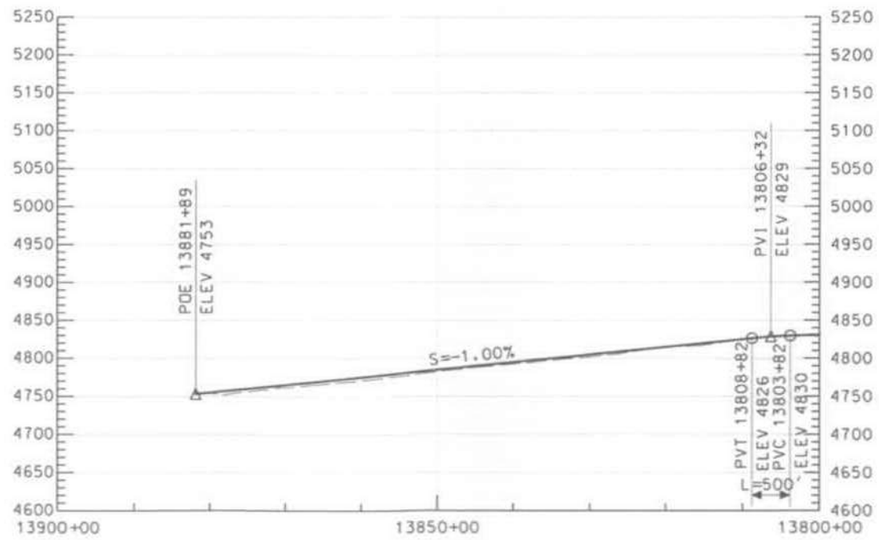

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: SMW	
DESIGNER: YBM	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF1
13800+00 TO 13881+89

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET: 84 OF 100

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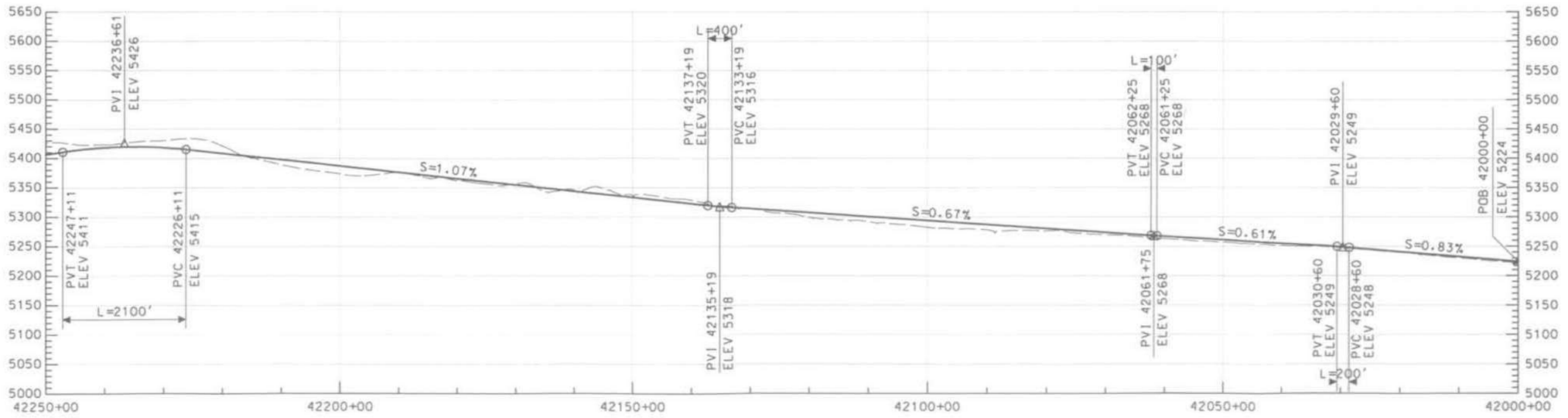

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

	APPROVED	INITIAL/DATE
DRAWN BY	SMW	
DESIGNER	YSM	
CHECKED	SNE	
VERIFICATION	JRC	
DESIGN LEAD ENGINEER	LEM	
QUALITY ENGINEERING REP	TMS	
PROJECT ENGINEER	JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF4
42000+00 TO 42250+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
B1	AS SHOWN	NRP-0-GF41-PP-0085-02	02
SAFETY CATEGORY		END SOFTWARE: MICROSTATION V08.05.02.55	SHEET: B5 OF 100

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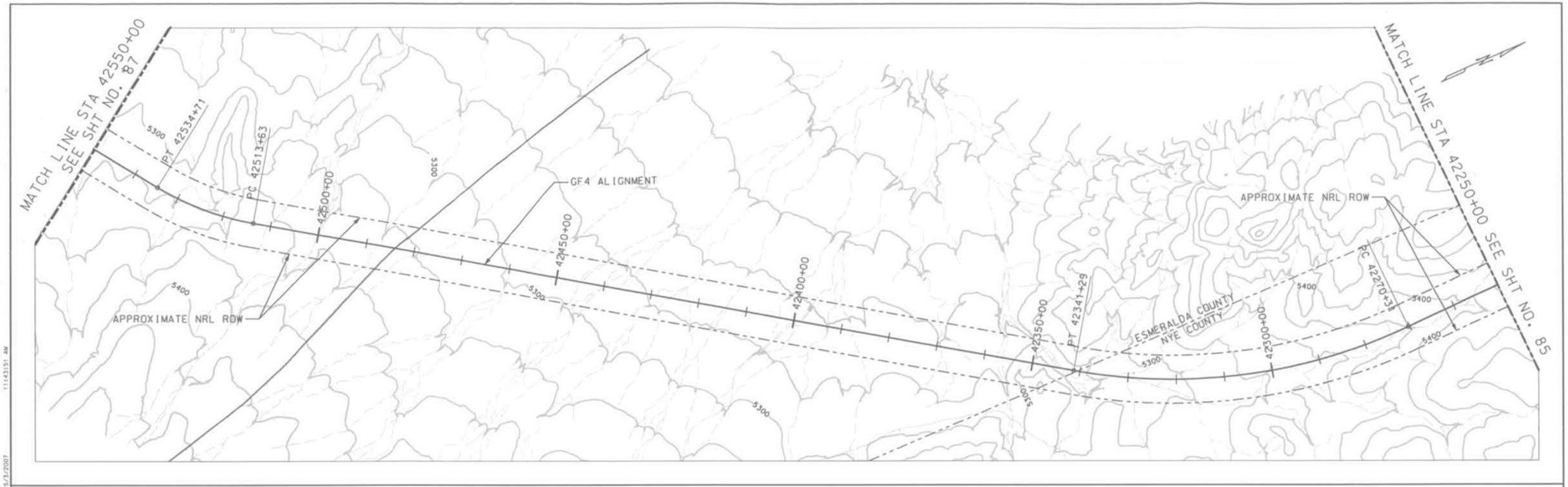

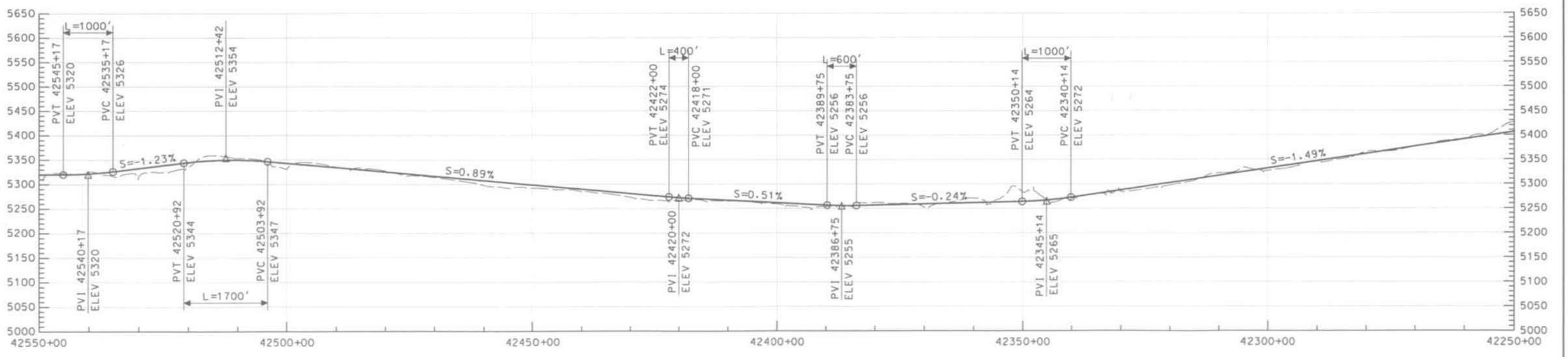

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
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V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	SMW
DESIGNATION	YBM
CHECKED	SNE
REGISTERATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF4
42250+00 TO 42550+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-GF42-PP-0086-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 86 OF 100

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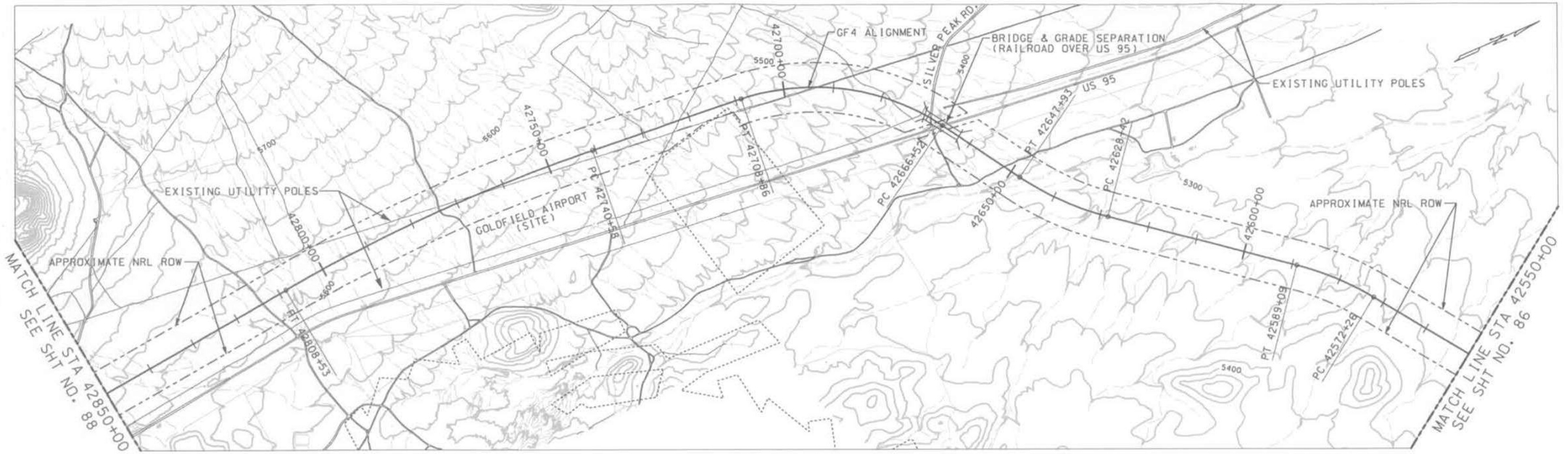

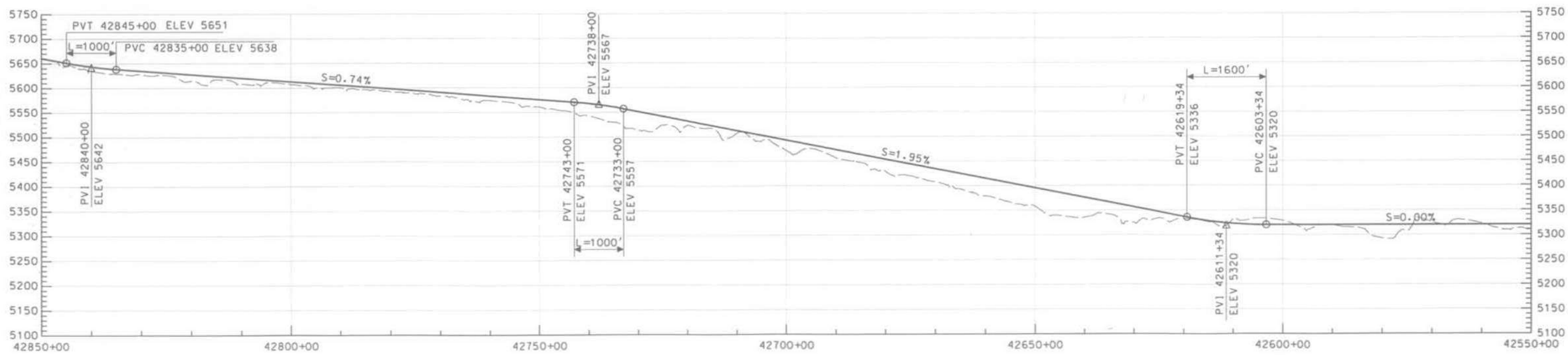

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
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V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY SMW	
DESIGNED BY YBM	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF4
42550+00 TO 42850+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-0-GF43-PP-0087-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 87 OF 100

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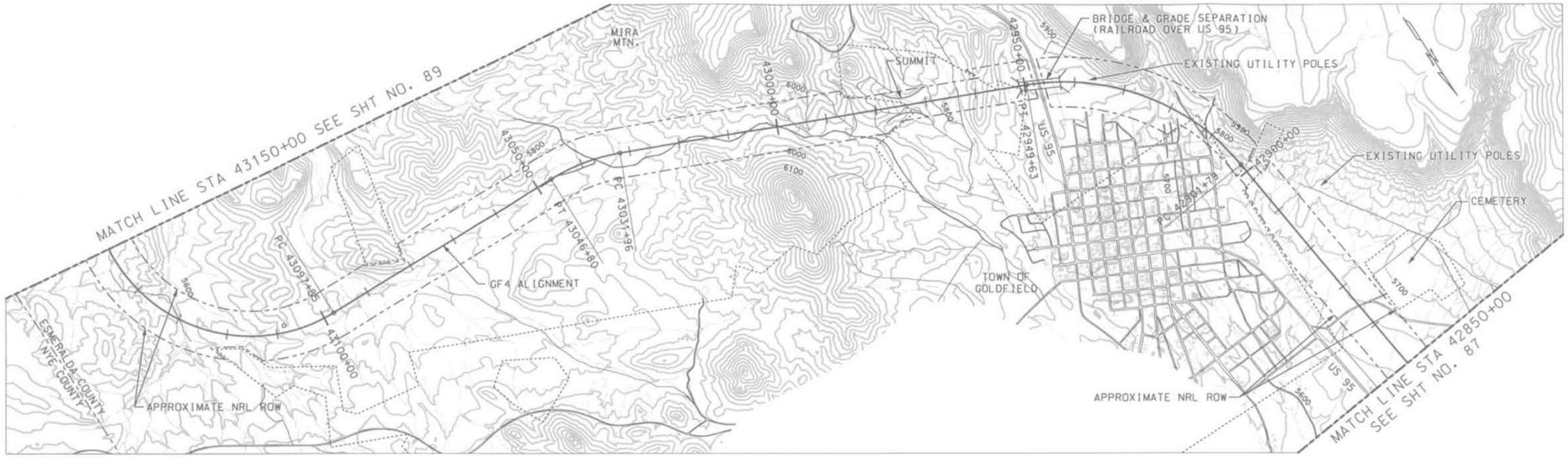


THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

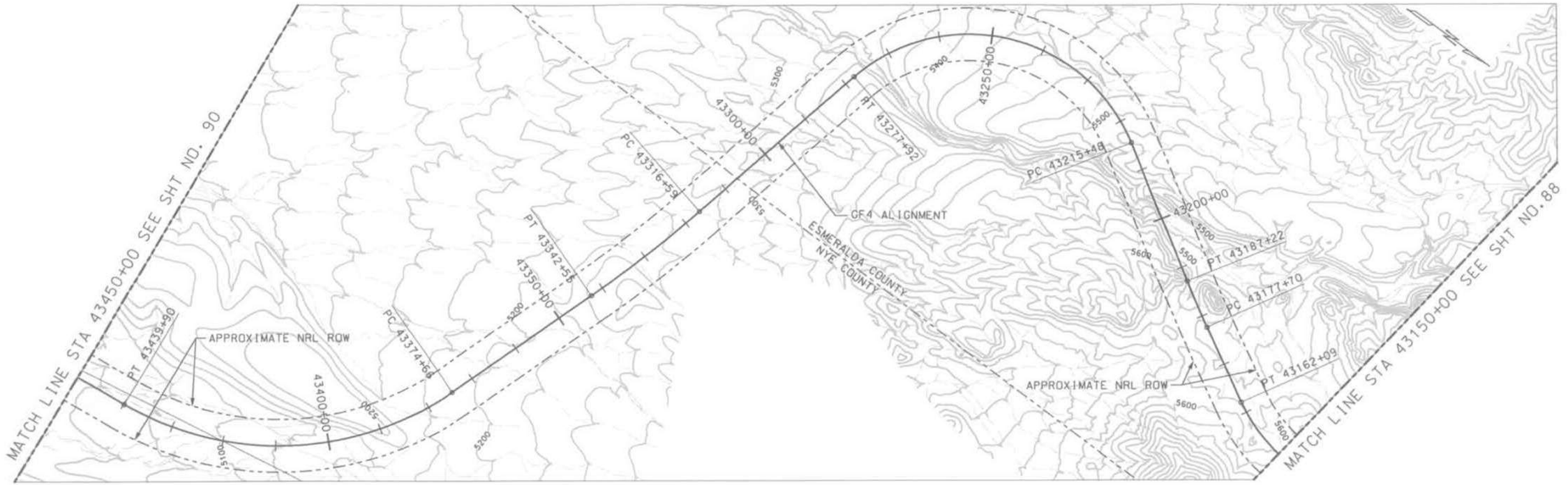
REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

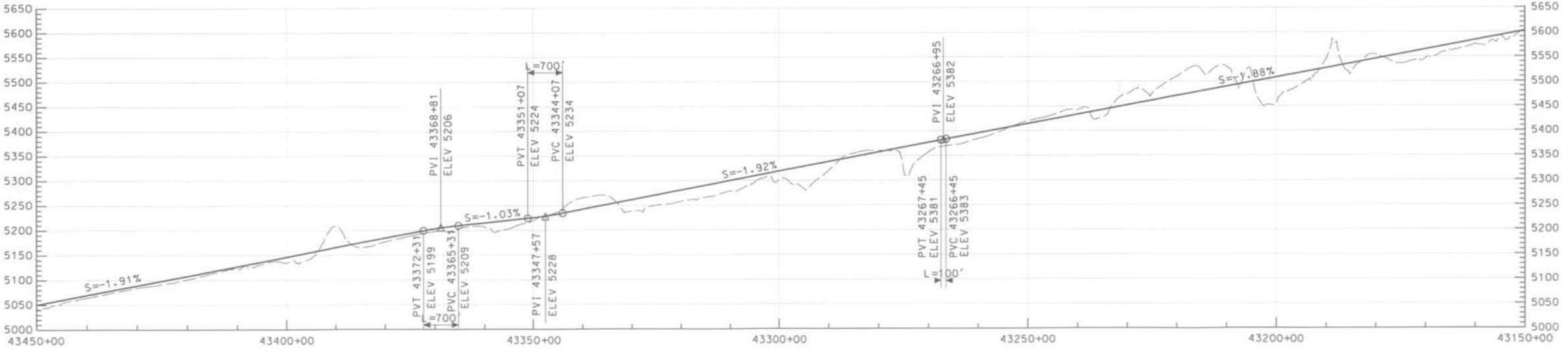
APPROVALS / INITIAL/DATE
DRAWN BY SMW
DESIGNATION YBM
CHECKER SNE
VERIFICATION JRC
DESIGN LEAD ENGINEER LEM
QUALITY ENGINEERING REP TMS
PROJECT ENGINEER JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF4
42850+00 TO 43150+00

SIZE AS SHOWN | DOCUMENT IDENTIFIER NRP-0-GF44-PP-0088-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 88 OF 100





THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY: SMW	
DESIGNER: YBM	
CHECKED: SNE	
VERIFICATION: JRC	
DESIGN LEAD ENGINEER: LEM	
QUALITY ENGINEERING REP: TMS	
PROJECT ENGINEER: JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF4
43150+00 TO 43450+00

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SAFETY CATEGORY: | CAD SOFTWARE: MICROSTATION V08.05.02.55 | SHEET: 89 OF 100

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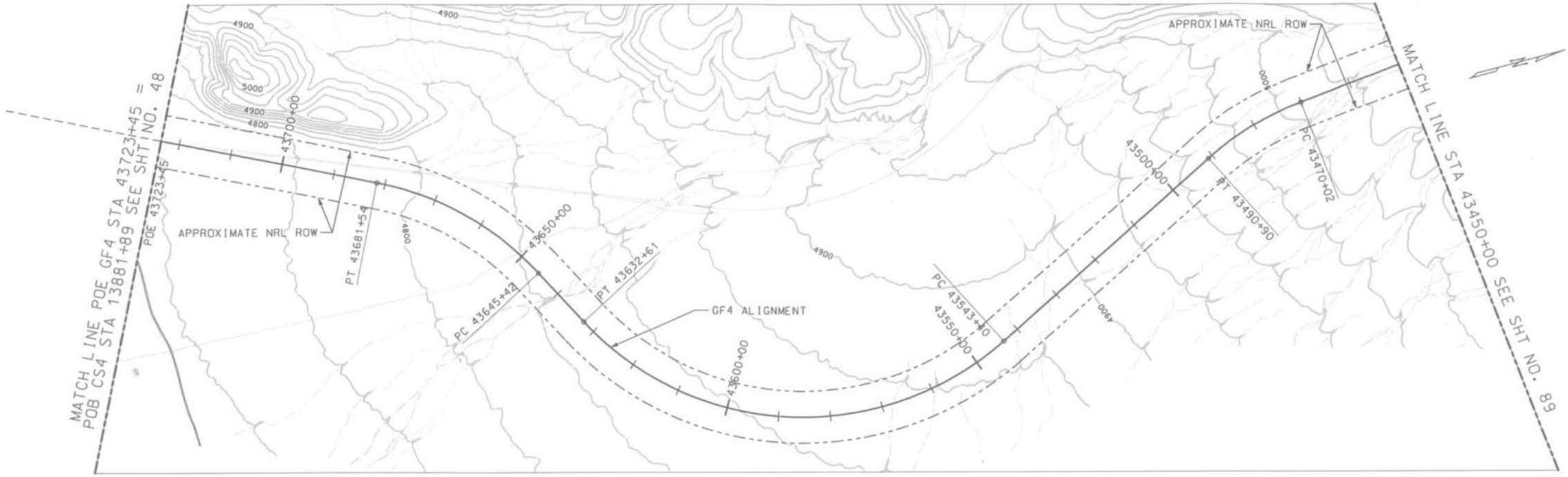

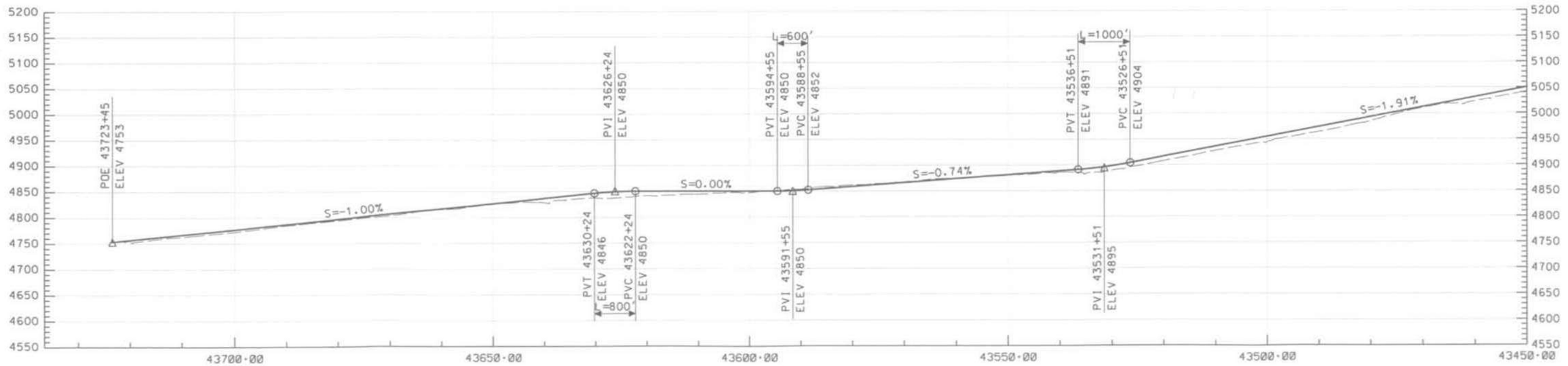

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	SMW
DESIGNER	YBM
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GF4
43450+00 TO 43723+45

SIZE D | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-0-GF46-PP-0090-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05-02.55 | SHEET 30 OF 100

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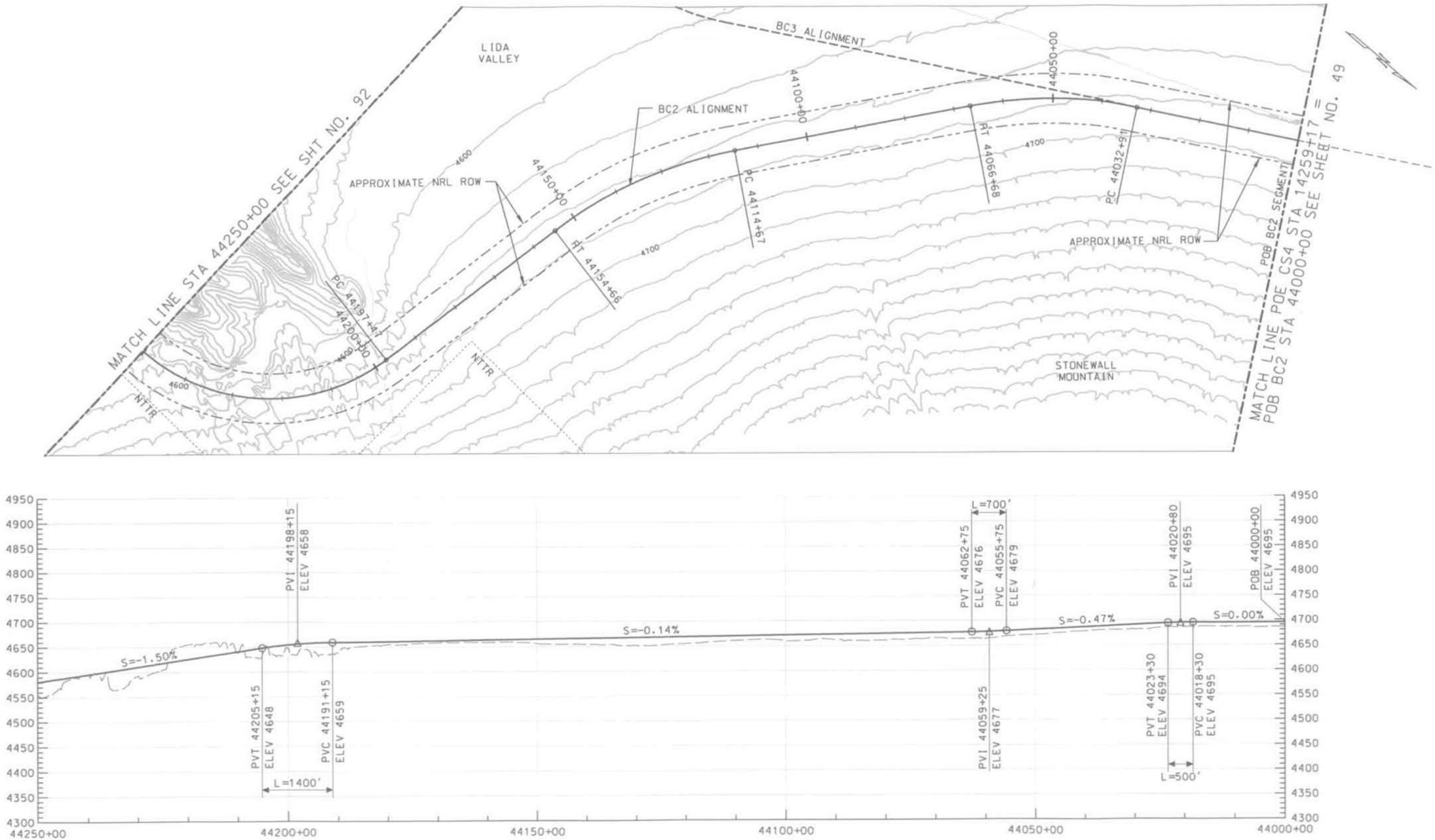


JPB

JPB

BECHTEL SAIC

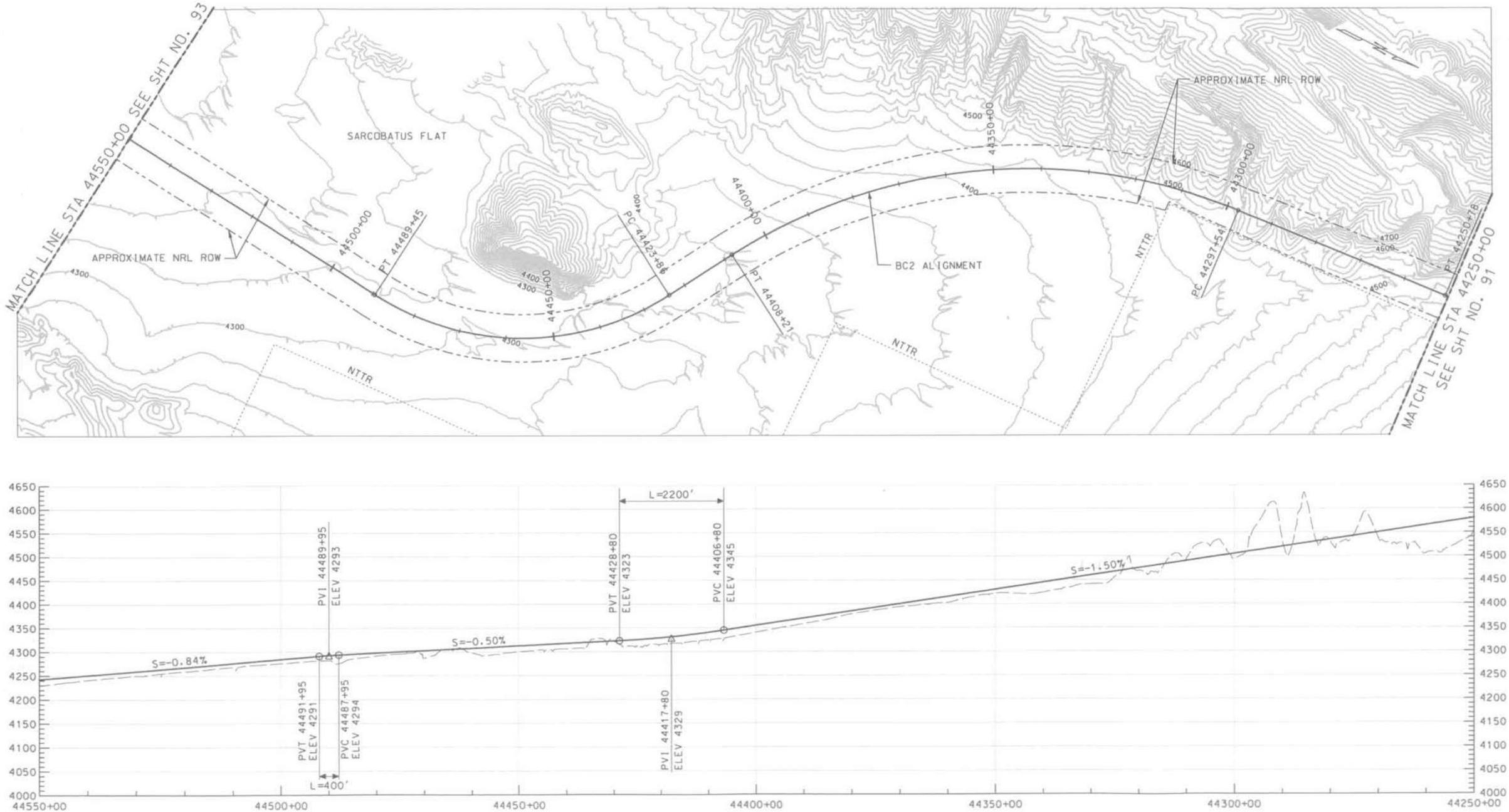
NEVADA RAIL PARTNERS

BC2
44000+00 TO 44250+00

AS SHOWN

NRP-D-BC21-PP-0091-02

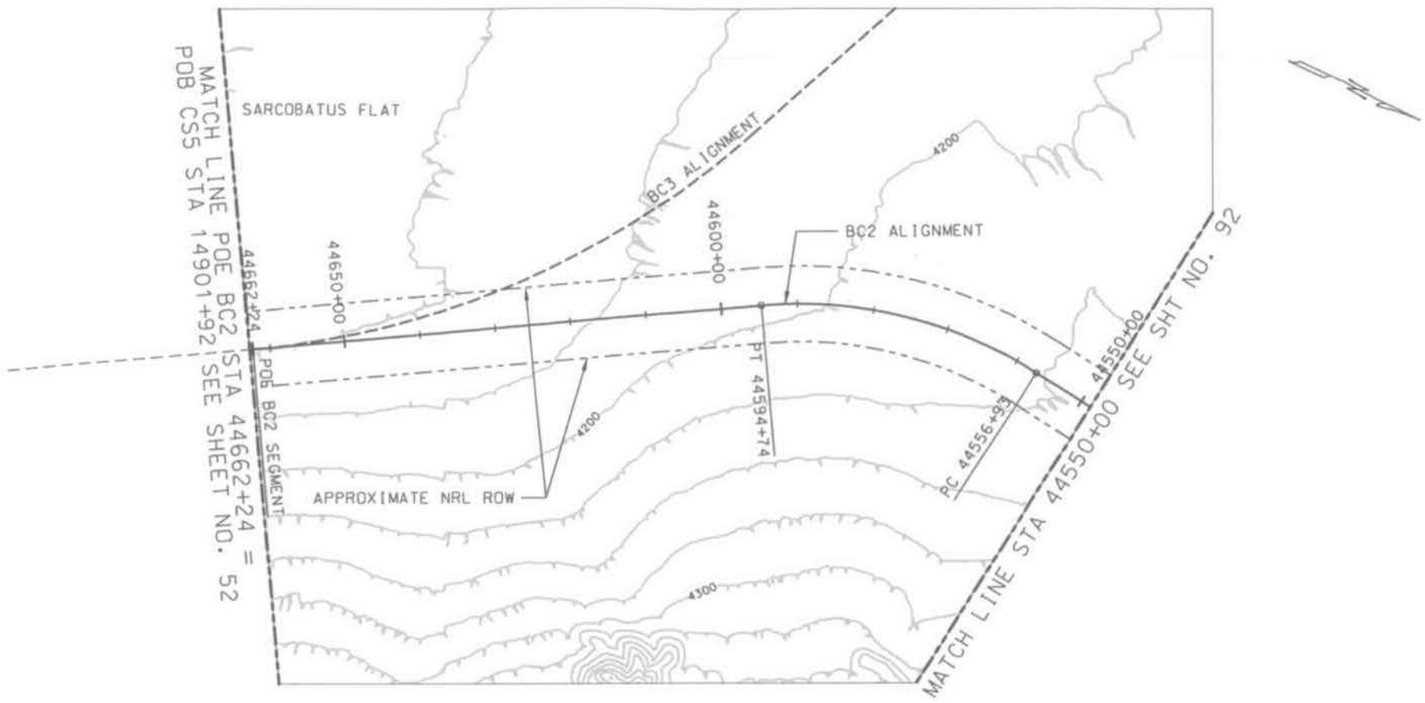
91 OF 100

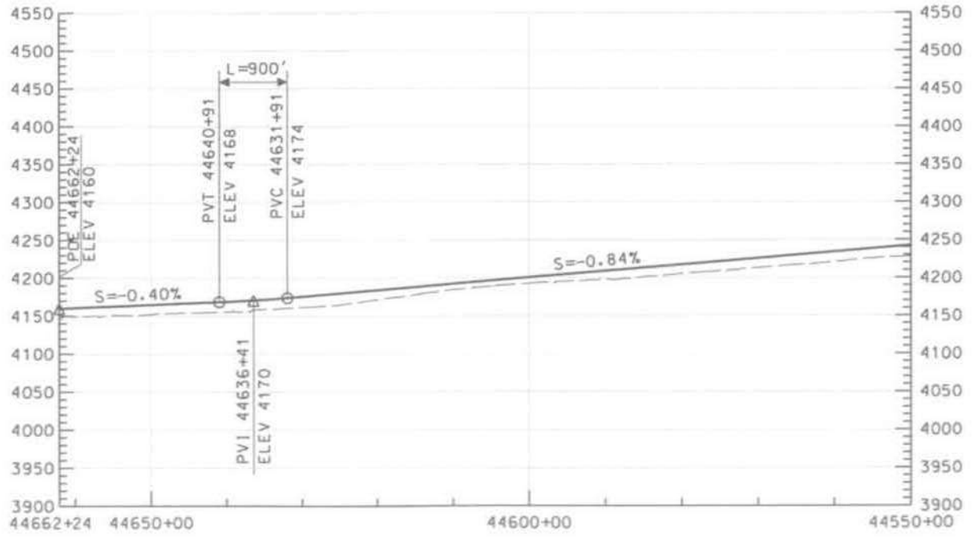


JPB
JPB

BC2
44250+00 TO 44550+00

AS SHOWN | NRP-D-BC22-PP-0092-02





THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIALS/DATE
DRAWN BY	JPB
DESIGNED	JPB
CHECKED	SNE
VERIFIED	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

BC2
44550+00 TO 44662+24

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 93 OF 100

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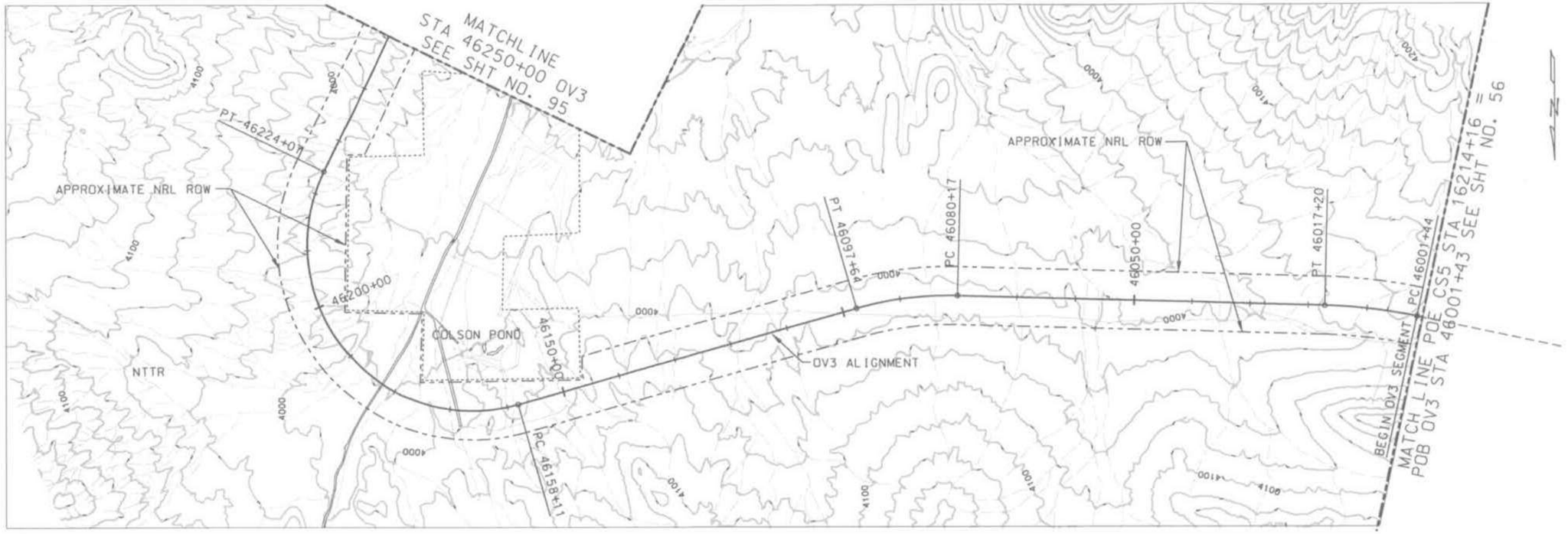

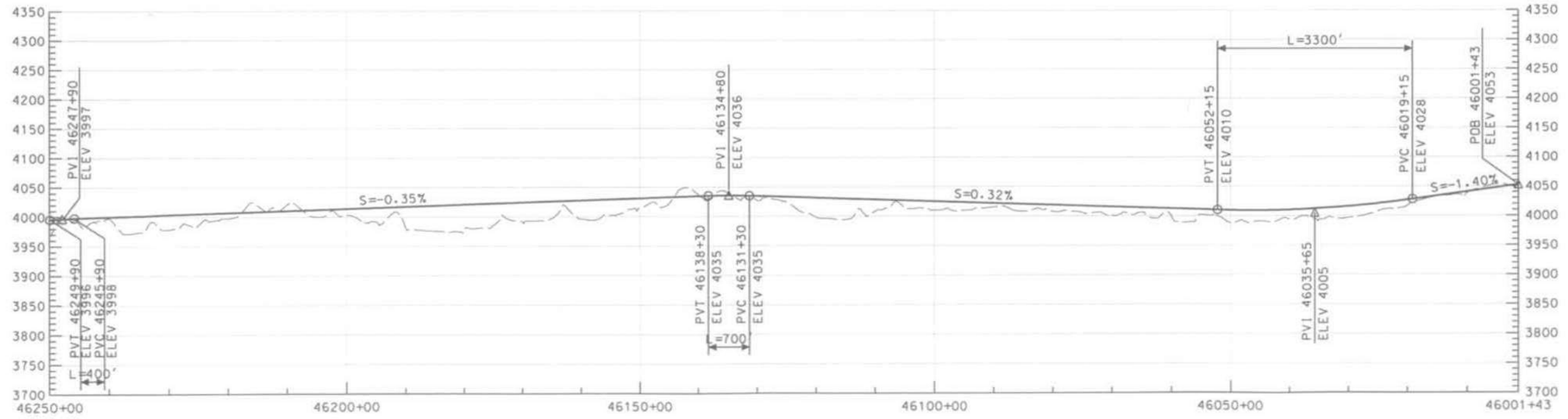

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	CJW
SPECIALTY	LCL
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

OV3
46001+43 TO 46250+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-0-OV31-PP-0094-02	02
SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 94 OF 100

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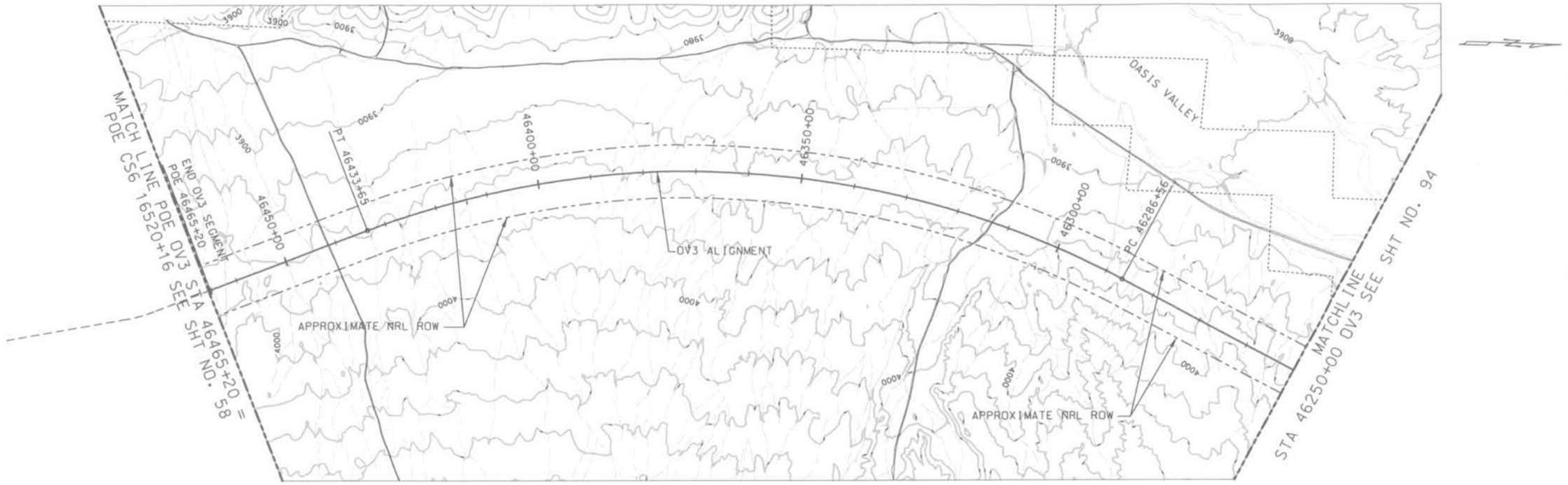

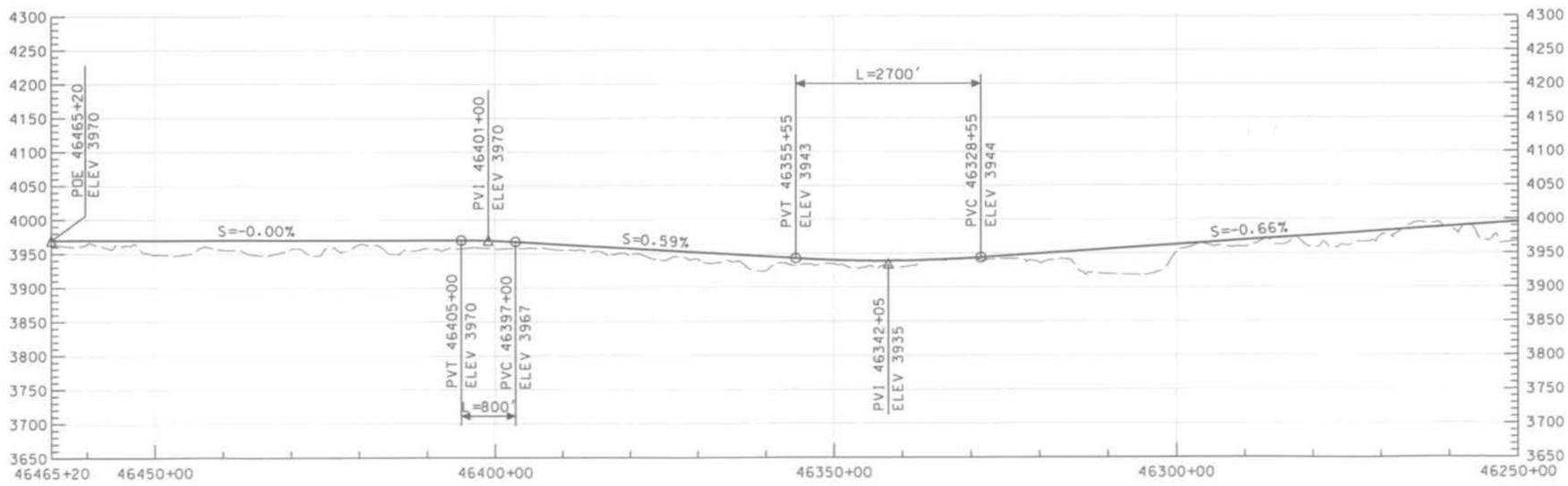

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DATE/JUL-DATE
DRAWN BY CJW	
DESIGNED LCL	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC Management and Operation of the Office of Civilian Radioactive Waste Management Program

OV3
46250+00 TO 46465+20

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
D	AS SHOWN	NRP-D-OV32-PP-0095-02	02
SAFETY CATEGORY	CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 95 OF 100	

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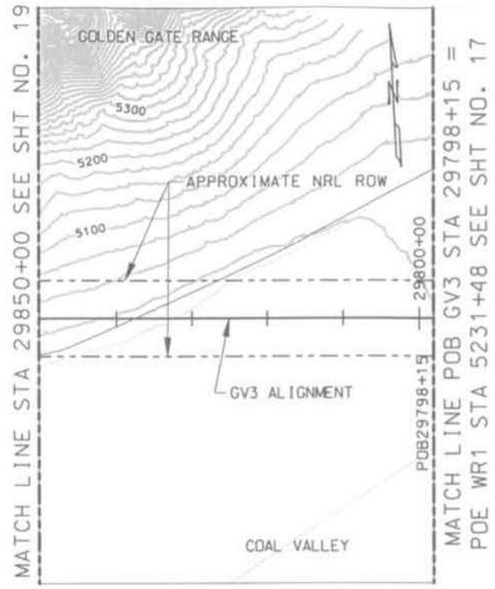

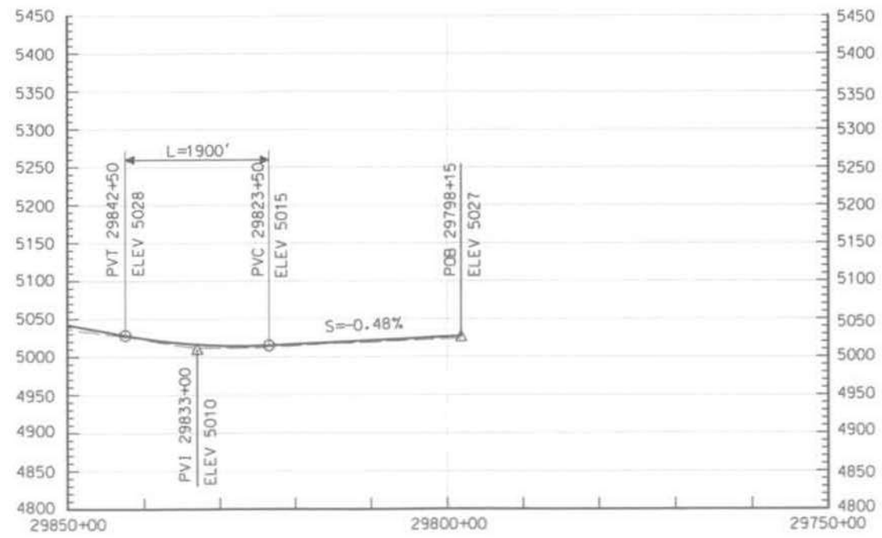

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GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY LLC

NEVADA RAIL PARTNERS

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	INITIAL/DATE
DRAWN BY JLB	
DESIGNATOR PRD	
CHECKER SNE	
IDENTIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV3
29798+15 TO 29850+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
	AS SHOWN	NRP-D-GV31-PP-0096-02	02
SAFETY CATEGORY		CAD SOFTWARE MICROSTATION V08.05.02.55	SHEET 96 OF 100

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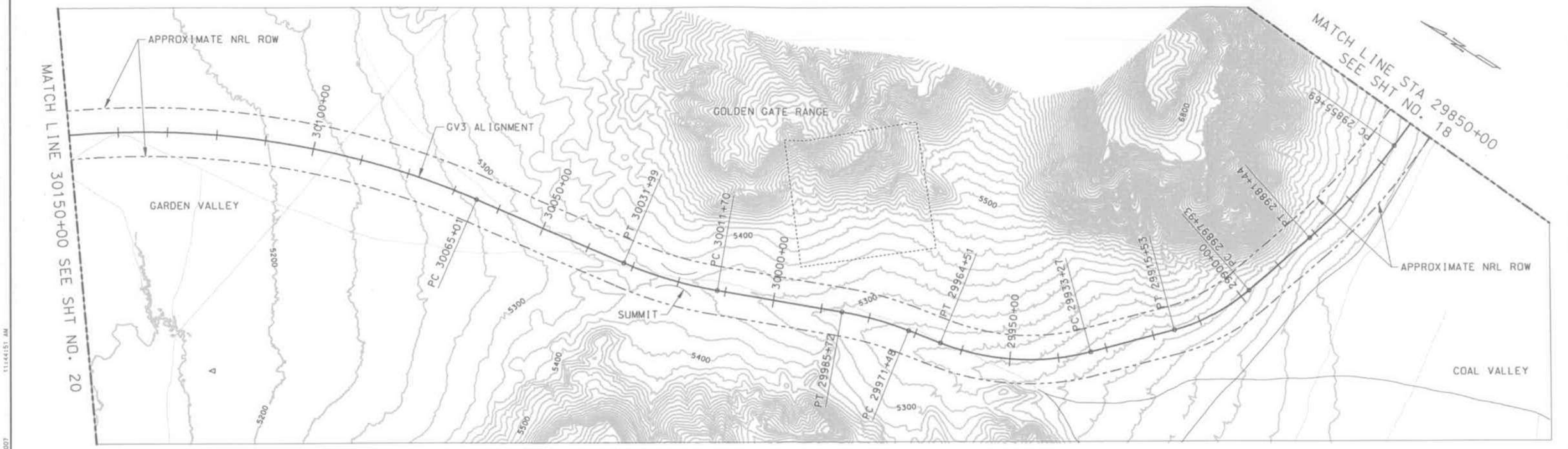

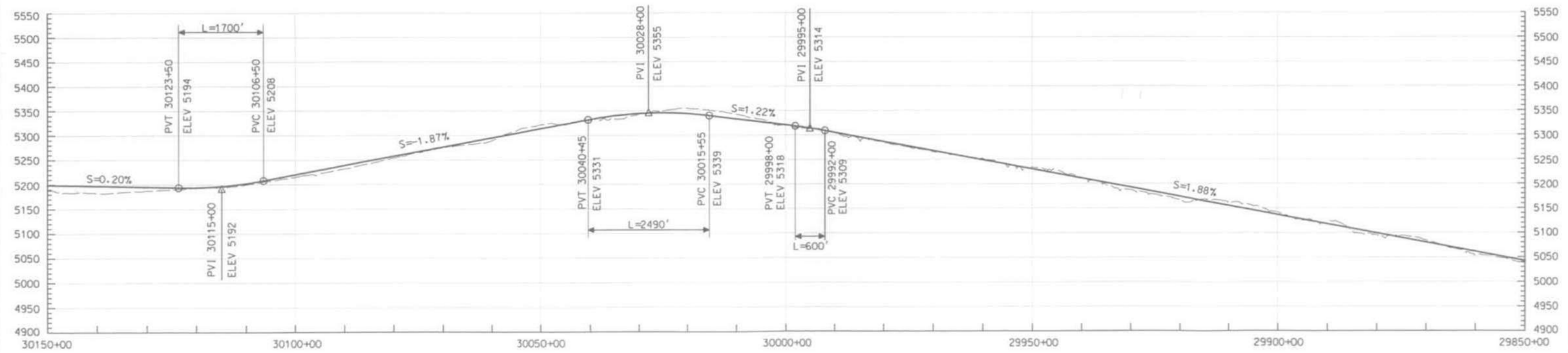

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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	JLB
DESIGNED	PRD
CHECKED	SNE
RECEIPTOCOM	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV3
29850+00 TO 30150+00

SIZE D | SCALE AS SHOWN | DOCUMENT IDENTIFIER NRP-0-GV32-PP-0097-02 | REV 02
SAFETY CATEGORY | CAD SOFTWARE MICROSTATION V08.05.02.55 | SHEET 97 OF 100

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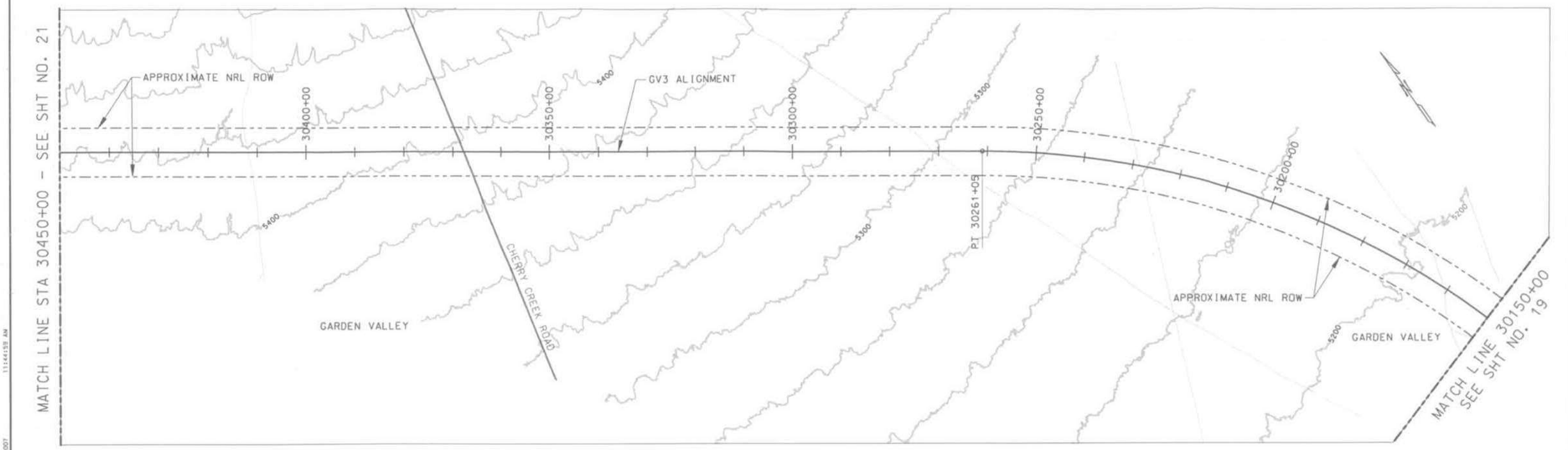

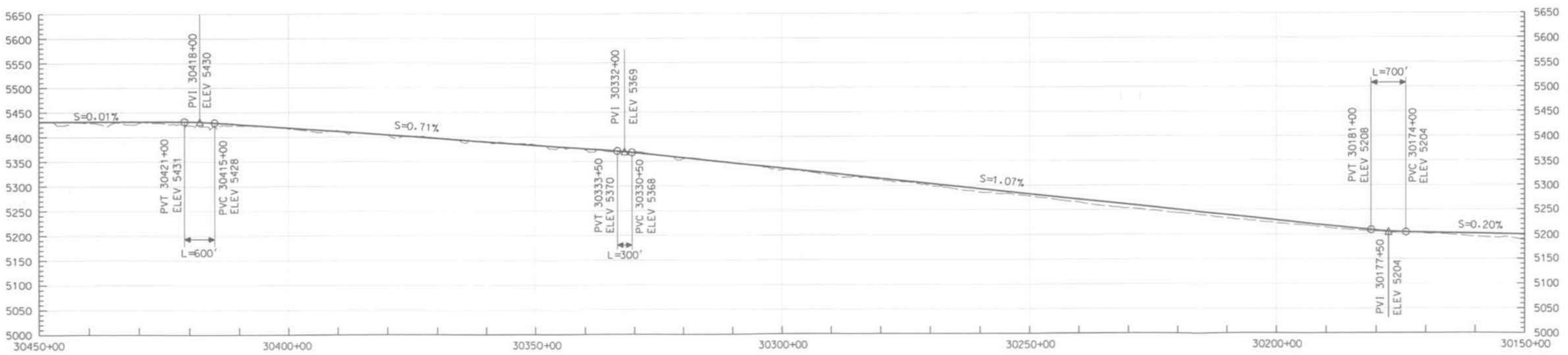

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GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	DATE
DRAWN BY JLB	
DESIGNED PRD	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation
BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV3
30150+00 TO 30450+00

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		DGN SOFTWARE MICROSTATION V08.05.02.55	SHEET 98 OF 100

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5/23/2007
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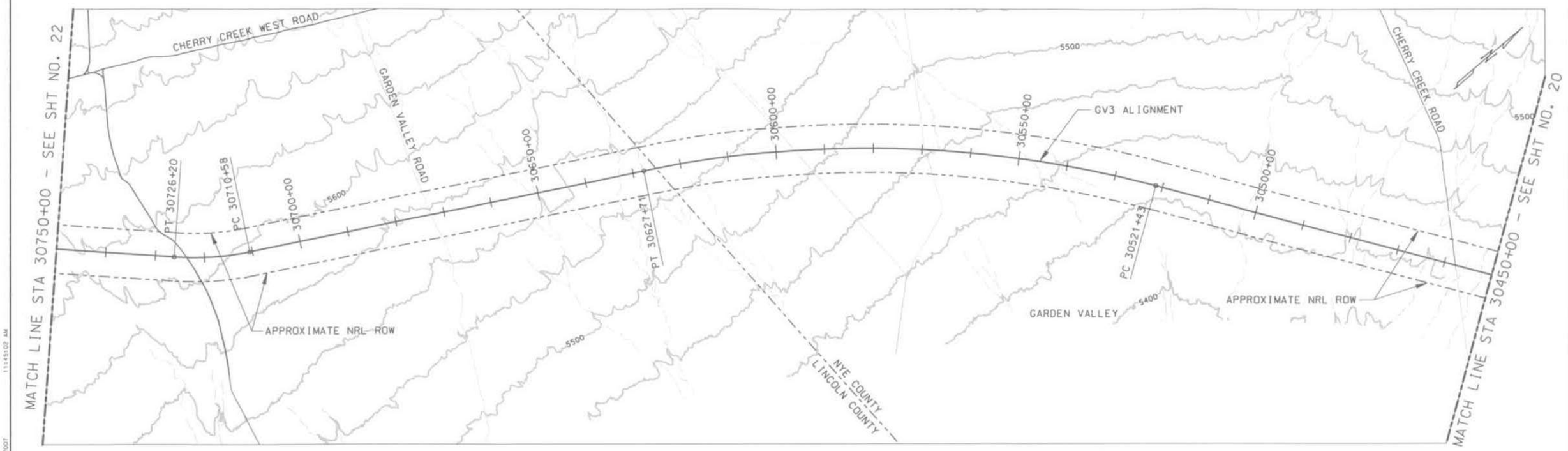

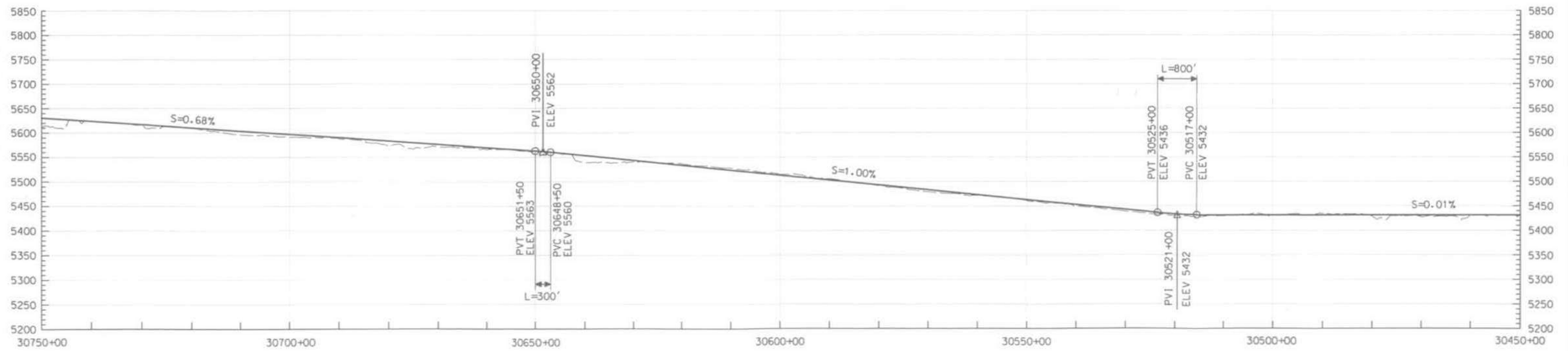

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE
H 500' 0 500' 1000' 2000'
V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

BECHTEL SAIC COMPANY LLC

NO.	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

DRAWN BY	JLB
DESIGNATION	PRO
CHECKED	SNE
VERIFICATION	JRC
DESIGN LEAD ENGINEER	LEM
QUALITY ENGINEERING REP.	TMS
PROJECT ENGINEER	JRC

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC COMPANY LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV3
30450+00 TO 30750+00

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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 99 OF 100

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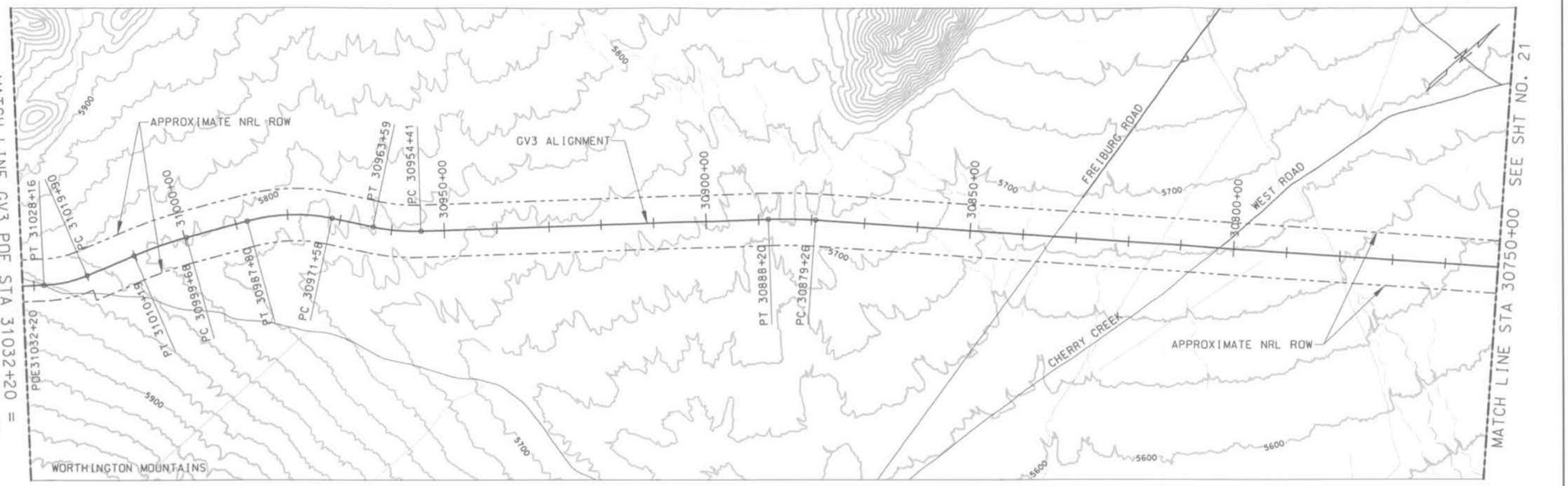

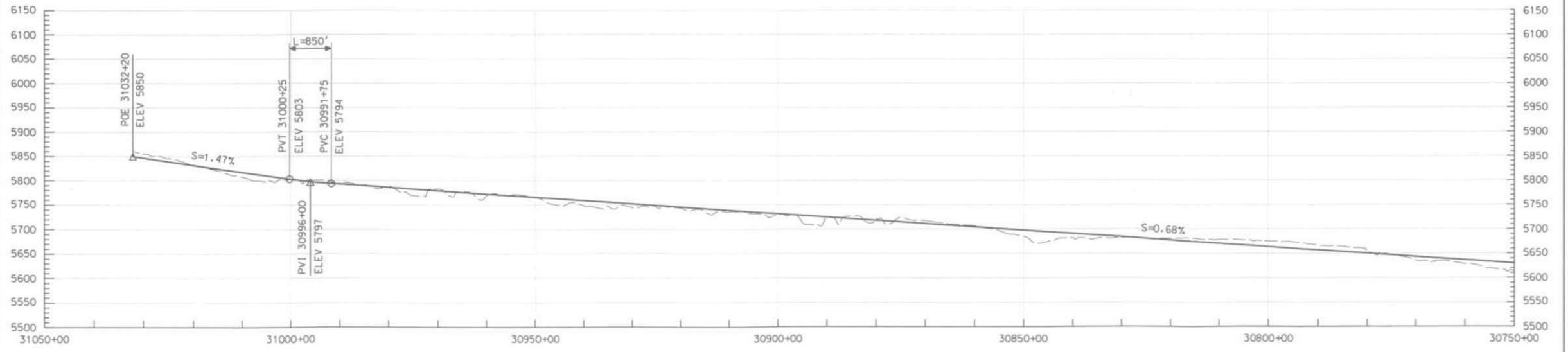

THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.

GRAPHIC SCALE

H 500' 0 500' 1000' 2000'

V 50' 50' 100' 200'

NEVADA RAIL PARTNERS
NEVADA RAIL LINE CONCEPTUAL DESIGN
SUBCONTRACT NN-HC4-00239
TASK 6 - ALIGNMENT DEV. & DRAFT EIS INPUT

REV	DESCRIPTION	DATE
02	ISSUED FOR DEIS REFERENCE	5/15/07
01	ISSUED FOR DEIS REFERENCE	4/13/06

APPROVALS	CRITICAL ISSUES
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DESIGNATOR PRD	
CHECKED SNE	
VERIFICATION JRC	
DESIGN LEAD ENGINEER LEM	
QUALITY ENGINEERING REP. TMS	
PROJECT ENGINEER JRC	

U.S. DEPARTMENT OF ENERGY
Office of National Transportation

BECHTEL SAIC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

GV3
30750+00 TO 31032+20

SIZE	SCALE	DOCUMENT IDENTIFIER	REV
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SAFETY CATEGORY		CAD SOFTWARE: MICROSTATION V08.05.02.55	SHEET 100 OF 100

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OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT
SPECIAL INSTRUCTION SHEET

1. QA: N/A

This is a placeholder page for records that cannot be scanned.

2. Record Date	3. Accession Number
05/15/07	ATTN to: ENG.20070606.0025
4. Author Name(s)	**5. Authorization Organization**
N/A	Nevada Transportation

6. Title/Description
Engineered Plan & Profile Drawing Set Caliente Rail Corridor

7. Document Number(s)	8. Version Designator
V0-HX00-NHC4-00239-00059-001	003

9. Document Type	10. Medium
Media	2 CD's

11. Access Control Code
N/A

12. Traceability Designator
V0-HX00-NHC4-00239-00059-001-003

13. Comments
CD's: 1 Original & 1 copy

Validation of complete file transferred. All files copied. Software used: Powerpoint, PDF, MicroStation V08.05.02.55

14. RPC Electronic Media Verification

MOL.20070618.0069

XREF

JUN 18 2007 TCh / BSC

MD5 Validation

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Volume Serial Number is 2301-2C82

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