

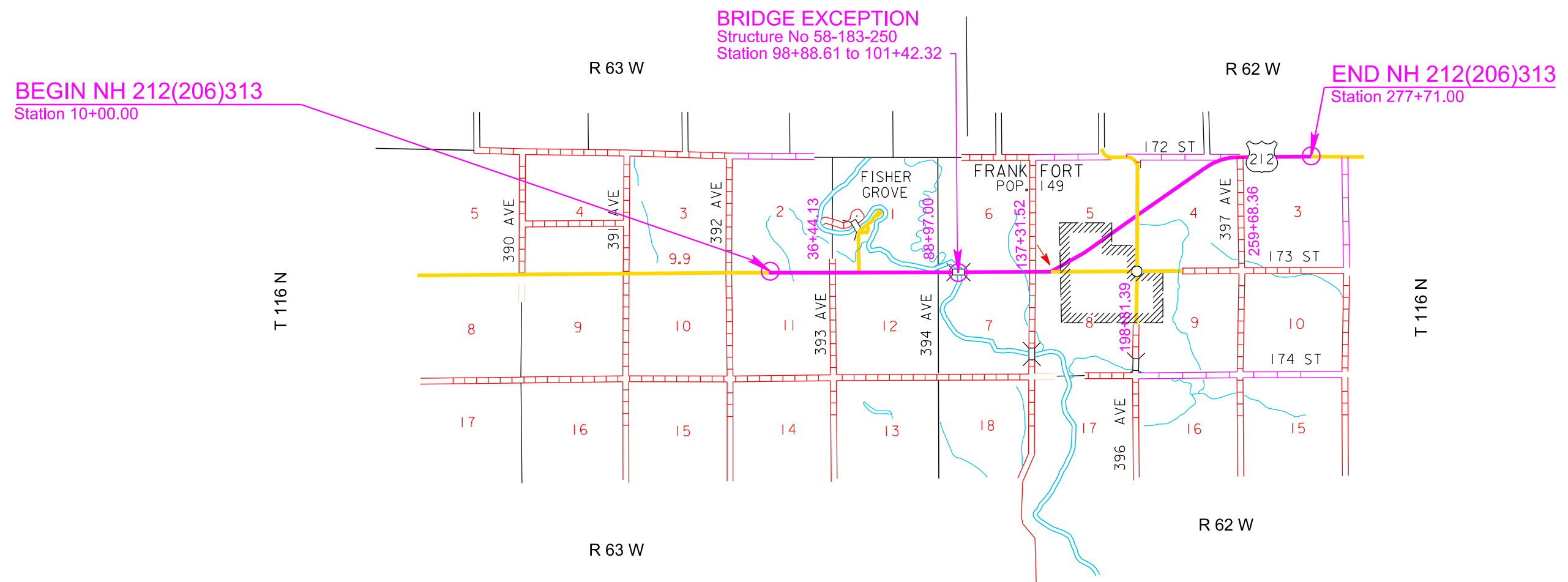
# SECTION X: CROSS SECTIONS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 212(206)313	X1	X57

Plotting Date: 02/12/2025

## INDEX OF SHEETS

X1 General Layout with Index  
X2-X57 Cross Sections



Plot Scale - 1:200

Plotted From - tpr14090

File - U:\trp\j\spmk0808\files.dgn

# Soil Legend

Plotting Date: 11/05/2024


STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X2	X57

- ①  Clay Silt
- ②  Silt Clay
- ③  Clay
- ④  Sandy Clay
- ⑤  Clay Sand
- ⑥  Silty Sand
- ⑦  Sandy Silt
- ⑧  Sand
- ⑨  Silt
- ⑩  Gravel

The soils information presented is representative of the material encountered at the specific bore hole location.

The Geotechnical Engineering Activity has on file all of the boring logs for this project. These logs and additional results of laboratory tests, if any, are available for review at the Central Office in Pierre.

Water levels encountered in the borings when drilled in July 2021 are annotated on the cross-sections.

 Water Level

Hole Number	1	1	1	1
Station	14+00	14+00	14+00	14+00
Offset	9.2'RT	9.2'RT	9.2'RT	9.2'RT
Depth, ft	1.9-3.6	3.6-4.4	4.4-7.0	7.0-10.0
Moisture Depth, ft	2.4	3.8	6.0	8.0
Moisture, %	29.2	26.6	20.2	28.0
Dry Loose Wt, lbs/cuft	69.9	68.8	73.7	70.8
% Passing 3/8	100.0	100.0	100.0	100.0
% Passing #4	99.9	100.0	99.9	99.8
% Passing #10	99.9	100.0	99.2	99.6
% Passing #40	98.8	99.2	96.5	97.2
% Passing #200	97.5	97.6	93.6	94.7
% Sand	2.3	2.3	5.7	4.9
% Silt	61.6	71.6	51.9	52.8
% Clay	36.0	26.0	41.7	41.8
Liquid Limit	38	33	43	45
Plastic Limit	23	24	21	25
Plasticity Index	15	9	21	21
Soil Color	Dark Gray	Tan	Tan	Dark Gray
Textural Class.	Silt Clay	Clay Silt	Silt Clay	Silt Clay
AASHTO Class.	A-6 (10)	A-4 (8)	A-7-6 (13)	A-7-6 (13)

Hole Number	2	2
Station	29+00	29+00
Offset	9.2'RT	9.2'RT
Depth, ft	2.2-4.5	4.5-10.0
Moisture Depth, ft	3.0	8.0
Moisture, %	28.2	37.8
Dry Loose Wt, lbs/cuft	67.3	59.5
% Passing 3/8	100.0	100.0
% Passing #4	99.8	100.0
% Passing #10	99.4	99.9
% Passing #40	97.1	98.7
% Passing #200	95.7	97.6
% Sand	3.7	2.3
% Silt	55.9	43.7
% Clay	39.8	54.0
Liquid Limit	39	49
Plastic Limit	23	27
Plasticity Index	16	23
Soil Color	Light Brown	Light Brown
Textural Class.	Silt Clay	Clay
AASHTO Class.	A-6 (10)	A-7-6 (15)

Hole Number	3	3
Station	42+00	42+00
Offset	9.4'RT	9.4'RT
Depth, ft	1.9-3.6	3.6-10.0
Moisture Depth, ft	3.0	6.0
Moisture, %	23.5	33.9
Dry Loose Wt, lbs/cuft	67.4	69.0
% Passing 3/8	100.0	97.3
% Passing #4	100.0	96.9
% Passing #10	99.9	95.1
% Passing #40	98.7	86.0
% Passing #200	96.2	80.7
% Sand	3.7	14.4
% Silt	56.3	42.7
% Clay	40.0	38.0
Liquid Limit	40	42
Plastic Limit	24	25
Plasticity Index	16	17
Soil Color	Light Brown	Light Brown
Textural Class.	Silt Clay	Silt Clay
AASHTO Class.	A-6 (10)	A-7-6 (11)

Hole Number	4	4	4
Station	55+00	55+00	55+00
Offset	9.2'RT	9.2'RT	9.2'RT
Depth, ft	1.9-3.8	3.8-6.5	6.5-10.0
Moisture Depth, ft	2.8	6.0	8.0
Moisture, %	21.8	16.2	19.2
Dry Loose Wt, lbs/cuft	73.6	78.4	74.8
% Passing 3/8	99.5	99.5	98.9
% Passing #4	99.1	98.8	98.5
% Passing #10	98.2	97.1	97.4
% Passing #40	93.0	79.4	84.3
% Passing #200	84.5	52.0	55.9
% Sand	13.7	45.0	41.4
% Silt	49.2	28.7	30.2
% Clay	35.4	23.3	25.7
Liquid Limit	38	31	32
Plastic Limit	22	16	16
Plasticity Index	17	15	16
Soil Color	Dark Gray	Light Brown	Light Brown
Textural Class.	Silt Clay	Clay Sand	Clay Sand
AASHTO Class.	A-6 (11)	A-6 (5)	A-6 (7)

Hole Number	5	5	5	5
Station	71+00	71+00	71+00	71+00
Offset	10.4'RT	10.4'RT	10.4'RT	10.4'RT
Depth, ft	1.9-3.9	3.9-5.5	5.5-8.5	8.5-10.0
Moisture Depth, ft	2.6	5.0	7.0	9.0
Moisture, %	27.8	25.1	17.6	22.8
Dry Loose Wt, lbs/cuft	76.2	77.5	77.3	67.7
% Passing 3/8	99.2	98.8	99.5	100.0
% Passing #4	99.1	98.1	98.8	100.0
% Passing #10	98.3	96.6	97.8	99.8
% Passing #40	90.7	82.1	90.6	98.4
% Passing #200	73.5	61.9	72.4	95.2
% Sand	24.8	34.8	25.3	4.6
% Silt	39.7	34.4	44.7	58.9
% Clay	33.8	27.4	27.8	36.3
Liquid Limit	36	38	36	41
Plastic Limit	19	18	18	23
Plasticity Index	17	20	19	18
Soil Color	Dark Gray	Brown	Dark Gray	Dark Gray
Textural Class.	Silt Clay	Clay Sand	Clay Silt	Silt Clay
AASHTO Class.	A-6 (11)	A-6 (9)	A-6 (11)	A-7-6 (11)

Hole Number	6	6	6
Station	79+00	79+00	79+00
Offset	10.0'RT	10.0'RT	10.0'RT
Depth, ft	1.9-3.8	3.8-6.0	6.0-10.0
Moisture Depth, ft	2.5	5.0	8.0
Moisture, %	24.7	18.3	22.6
Dry Loose Wt, lbs/cuft	74.6	77.5	72.0
% Passing 3/8	97.5	98.4	99.7
% Passing #4	97.5	97.4	99.1
% Passing #10	96.9	96.2	98.0
% Passing #40	89.6	82.5	89.3
% Passing #200	73.5	64.1	81.8
% Sand	23.4	32.0	16.2
% Silt	40.1	36.8	48.1
% Clay	33.3	27.3	33.7
Liquid Limit	37	37	44
Plastic Limit	18	18	21
Plasticity Index	19	19	23
Soil Color	Dark Gray	Dark Gray	Gray
Textural Class.	Silt Clay	Clay Silt	Silt Clay
AASHTO Class.	A-6 (11)	A-6 (10)	A-7-6 (14)

Hole Number	7	7
Station	94+00	94+00
Offset	9.8'RT	9.8'RT
Depth, ft	1.9-4.5	4.5-10.0
Moisture Depth, ft	3.0	6.0
Moisture, %	30.5	17.6
Dry Loose Wt, lbs/cuft	64.8	77.4
% Passing 3/8	99.2	97.9
% Passing #4	98.9	97.3
% Passing #10	98.3	96.4
% Passing #40	94.5	87.8
% Passing #200	90.6	71.2
% Sand	7.6	25.1
% Silt	49.0	45.8
% Clay	41.7	25.4
Liquid Limit	43	35
Plastic Limit	25	19
Plasticity Index	18	16
Soil Color	Light Brown	Dark Gray
Textural Class.	Silt Clay	Clay Silt
AASHTO Class.	A-7-6 (12)	A-6 (10)

Hole Number	8	8
Station	107+00	107+00
Offset	10.4'RT	10.4'RT
Depth, ft	1.9-3.8	3.8-9.5
Moisture Depth, ft	2.8	5.0
Moisture, %	23.6	19.0
Dry Loose Wt, lbs/cuft	73.6	78.7
% Passing 3/8	98.9	98.6
% Passing #4	98.3	97.5
% Passing #10	97.4	96.4
% Passing #40	90.5	86.4
% Passing #200	79.2	61.5
% Sand	18.1	34.8
% Silt	46.1	34.6
% Clay	33.1	27.0
Liquid Limit	34	34
Plastic Limit	20	18
Plasticity Index	14	15
Soil Color	Light Brown	Dark Gray
Textural Class.	Silt Clay	Clay Sand
AASHTO Class.	A-6 (10)	A-6 (7)

Hole Number	9	9	9
Station	120+00	120+00	120+00
Offset	10.4'RT	10.4'RT	10.4'RT
Depth, ft	1.9-3.8	3.8-8.0	8.0-10.0
Moisture Depth, ft	2.8	5.0	9.0
Moisture, %	30.0	22.0	26.9
Dry Loose Wt, lbs/cuft	68.9	76.5	67.8
% Passing 3/8	100.0	99.7	99.4
% Passing #4	99.9	98.9	99.3
% Passing #10	99.8	97.1	98.6
% Passing #40	98.5	86.3	93.8
% Passing #200	87.9	74.6	87.5
% Sand	11.9	22.6	11.1
% Silt	48.0	45.0	47.7
% Clay	39.9	29.5	39.9
Liquid Limit	34	35	40
Plastic Limit	19	19	21
Plasticity Index	15	16	18
Soil Color	Light Brown	Brown	Light Brown
Textural Class.	Silt Clay	Clay Silt	Silt Clay
AASHTO Class.	A-6 (10)	A-6 (10)	A-6 (11)

Hole Number	10	10
Station	140+00	140+00
Offset	10.0'RT	10.0'RT
Depth, ft	1.9-3.8	3.8-10.0
Moisture Depth, ft	3.0	6.0
Moisture, %	31.9	26.5
Dry Loose Wt, lbs/cuft	68.0	68.6
% Passing 3/8	100.0	98.8
% Passing #4	99.8	98.1
% Passing #10	99.0	96.9
% Passing #40	94.8	87.3
% Passing #200	84.8	77.5
% Sand	14.2	19.5
% Silt	48.8	42.2
% Clay	36.0	35.3
Liquid Limit	36	40
Plastic Limit	21	23
Plasticity Index	15	17
Soil Color	Light Brown	Light Brown
Textural Class.	Silt Clay	Silt Clay
AASHTO Class.	A-6 (10)	A-6 (11)

Hole Number	11	11
Station	150+00	150+00
Offset	8.0'RT	8.0'RT
Depth, ft	1.9-3.9	3.9-9.0
Moisture Depth, ft	2.7	4.5
Moisture, %	33.1	25.6
Dry Loose Wt, lbs/cuft	66.2	70.5
% Passing 3/8	100.0	100.0
% Passing #4	100.0	99.8
% Passing #10	99.8	99.0
% Passing #40	99.1	95.1
% Passing #200	96.7	91.7
% Sand	3.1	7.3
% Silt	54.4	45.8
% Clay	42.3	46.0
Liquid Limit	41	47
Plastic Limit	25	22
Plasticity Index	15	26
Soil Color	Light Brown	Light Brown
Textural Class.	Silt Clay	Silt Clay
AASHTO Class.	A-7-6 (10)	A-7-6 (16)

Hole Number	12	12
Station	162+00	162+00
Offset	11'LT	8.0'RT
Depth, ft	1.9-4.0	4.0-10.0
Moisture Depth, ft	2.6	7.0
Moisture, %	28.5	35.7
Dry Loose Wt, lbs/cuft	68.7	58.2
% Passing 3/8	100.0	100.0
% Passing #4	100.0	100.0
% Passing #10	99.8	99.9
% Passing #40	98.8	99.6
% Passing #200	96.6	99.0
% Sand	3.2	0.9
% Silt	54.3	36.7
% Clay	42.3	62.3
Liquid Limit	41	50
Plastic Limit	24	29
Plasticity Index	16	21
Soil Color	Light Brown	Light Brown
Textural Class.	Silt Clay	Clay
AASHTO Class.	A-7-6 (11)	A-7-6 (14)

Hole Number	13	13
Station	167+00	167+00
Offset	9.2'RT	9.2'RT
Depth, ft	1.9-3.9	3.9-10.0
Moisture Depth, ft	2.8	5.0
Moisture, %	32.8	29.8
Dry Loose Wt, lbs/cuft	66.1	59.5
% Passing 3/8	100.0	100.0
% Passing #4	100.0	100.0
% Passing #10	99.9	99.8
% Passing #40	99.5	99.5
% Passing #200	97.4	98.9
% Sand	2.5	0.9
% Silt	55.0	40.6
% Clay	42.3	58.3
Liquid Limit	42	51
Plastic Limit	26	28
Plasticity Index	16	23
Soil Color	Light Brown	Light Brown
Textural Class.	Silt Clay	Clay
AASHTO Class.	A-7-6 (11)	A-7-6 (16)

Hole Number	14	14	14
Station	180+00	180+00	180+00
Offset	9.4'RT	9.4'RT	9.4'RT
Depth, ft	1.9-3.8	3.8-6.0	6.0-10.0
Moisture Depth, ft	2.8	4.5	8.0
Moisture, %	7.5	17.6	35.6
Dry Loose Wt, lbs/cuft	101.7	73.7	63.1
% Passing 3/8	76.0	99.9	99.5
% Passing #4	66.1	99.2	99.4
% Passing #10	53.3	97.8	99.0
% Passing #40	33.1	91.9	97.6
% Passing #200	13.4	84.5	95.9
% Sand	40.0	13.3	3.1
% Silt	6.4	44.4	43.5
% Clay	6.9	40.1	52.5
Liquid Limit	0	43	47
Plastic Limit	0	22	27
Plasticity Index	NP	21	21
Soil Color	Brown	Dark Gray	Light Brown
Textural Class.	Gravelly Sand	Silt Clay	Clay
AASHTO Class.	A-1-b (0)	A-7-6 (13)	A-7-6 (14)

Hole Number	15	15
Station	193+00	193+00
Offset	9.6'RT	9.6'RT
Depth, ft	1.9-3.8	3.8-10.0
Moisture Depth, ft	2.4	6.0
Moisture, %	34.2	29.9
Dry Loose Wt, lbs/cuft	63.2	68.3
% Passing 3/8	100.0	99.5
% Passing #4	100.0	98.9
% Passing #10	99.9	97.7
% Passing #40	99.4	90.3
% Passing #200	97.0	84.5
% Sand	2.9	13.2
% Silt	54.1	42.5
% Clay	42.9	42.0
Liquid Limit	41	45
Plastic Limit	26	24
Plasticity Index	15	21
Soil Color	Light Brown	Light Brown
Textural Class.	Silt Clay	Silt Clay
AASHTO Class.	A-7-6 (10)	A-7-6 (13)

Hole Number	16	16
Station	206+00	206+00
Offset	10.2'LT	10.2'LT
Depth, ft	1.9-3.9	3.9-10.0
Moisture Depth, ft	2.8	7.0
Moisture, %	32.8	25.2
Dry Loose Wt, lbs/cuft	65.9	71.3
% Passing 3/8	98.5	100.0
% Passing #4	98.5	99.9
% Passing #10	97.6	99.4
% Passing #40	90.6	97.9
% Passing #200	86.0	96.2
% Sand	11.5	3.2
% Silt	46.0	45.5
% Clay	40.0	50.7
Liquid Limit	44	51
Plastic Limit	27	23
Plasticity Index	18	28
Soil Color	Light Brown	Dark Gray
Textural Class.	Silt Clay	Clay
AASHTO Class.	A-7-6 (12)	A-7-6 (18)

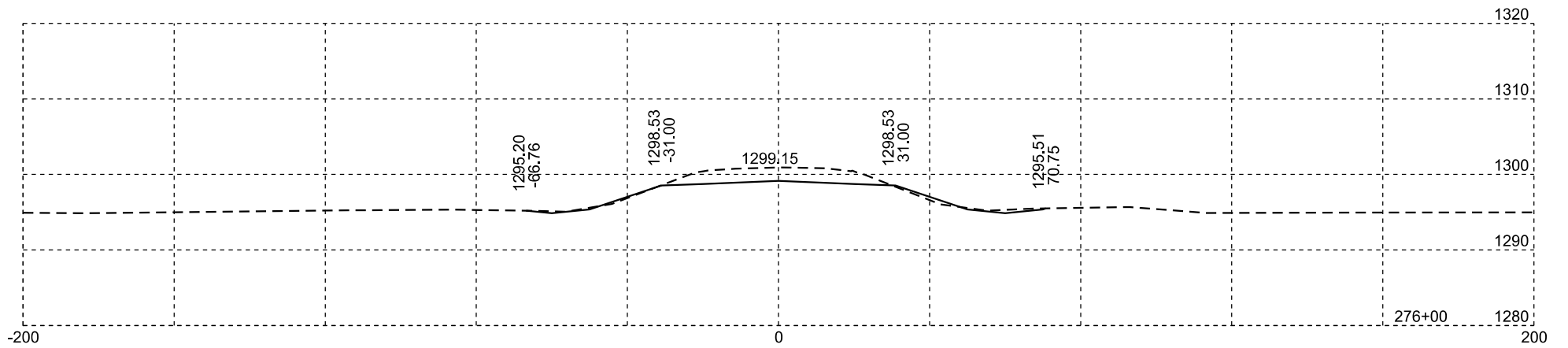
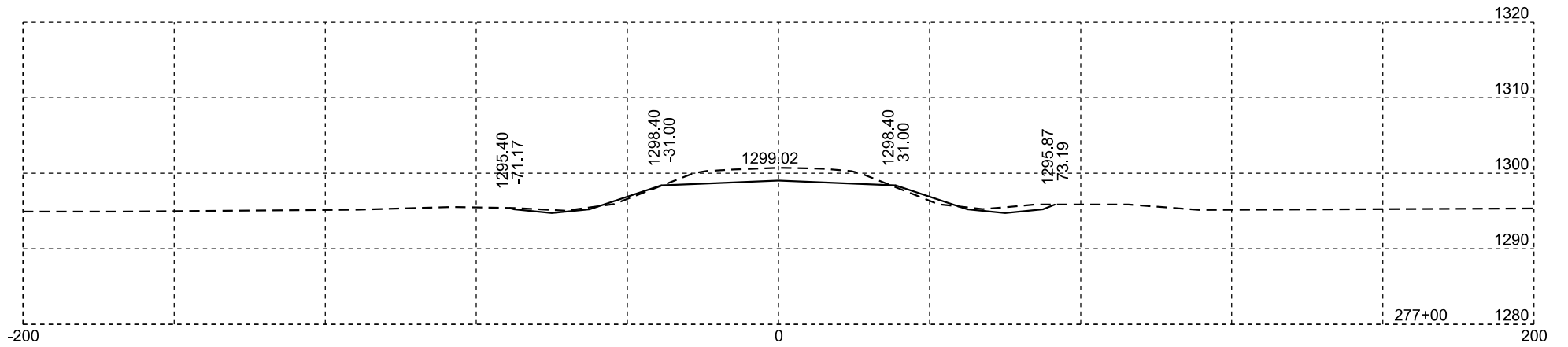
Hole Number	17	17	17
Station	219+00	219+00	219+00
Offset	10.4'LT	10.4'LT	10.4'LT
Depth, ft	1.9-3.0	3.0-3.6	3.6-9.0
Moisture Depth, ft	2.7	3.4	4.5
Moisture, %	29.7	24.8	24.0
Dry Loose Wt, lbs/cuft	64.7	70.4	71.8
% Passing 3/8	100.0	100.0	97.9
% Passing #4	100.0	100.0	97.5
% Passing #10	99.9	99.9	96.5
% Passing #40	99.2	99.7	87.6
% Passing #200	97.6	99.2	80.2
% Sand	2.3	0.8	15.7
% Silt	51.7	51.2	42.2
% Clay	45.9	48.0	38.6
Liquid Limit	43	48	45
Plastic Limit	26	24	23
Plasticity Index	17	24	22
Soil Color	Brown	Dark Gray	Brown
Textural Class.	Silt Clay	Silt Clay	Silt Clay
AASHTO Class.	A-7-6 (11)	A-7-6 (15)	A-7-6 (14)

Hole Number	18	18	18
Station	232+00	232+00	232+00
Offset	10.8'RT	10.8'RT	10.8'RT
Depth, ft	1.9-3.8	3.8-7.0	7.0-10.0
Moisture Depth, ft	2.8	4.0	8.0
Moisture, %	27.5	26.5	29.8
Dry Loose Wt, lbs/cuft	70.0	72.1	69.0
% Passing 3/8	100.0	100.0	100.0
% Passing #4	100.0	99.5	100.0
% Passing #10	99.9	98.7	99.9
% Passing #40	99.6	93.1	98.5
% Passing #200	98.3	88.4	96.2
% Sand	1.6	10.3	3.8
% Silt	48.4	45.0	52.2
% Clay	50.0	43.4	44.0
Liquid Limit	45	47	47
Plastic Limit	23	22	24
Plasticity Index	21	25	23
Soil Color	Brown	Gray	Brown
Textural Class.	Silt Clay	Silt Clay	Silt Clay
AASHTO Class.	A-7-6 (13)	A-7-6 (15)	A-7-6 (15)

Hole Number	19	19	19
Station	245+00	245+00	245+00
Offset	9.2'RT	9.2'RT	9.2'RT
Depth, ft	1.9-3.9	3.9-6.0	6.0-10.0
Moisture Depth, ft	2.8	5.0	8.0
Moisture, %	28.0	24.8	30.9
Dry Loose Wt, lbs/cuft	70.9	71.8	63.8
% Passing 3/8	100.0	98.2	100.0
% Passing #4	100.0	98.1	100.0
% Passing #10	99.9	97.7	99.9
% Passing #40	99.6	92.7	98.8
% Passing #200	99.1	88.9	97.9
% Sand	0.8	8.8	2.1
% Silt	49.2	45.9	47.9
% Clay	50.0	43.0	50.0
Liquid Limit	47	47	47
Plastic Limit	24	23	26
Plasticity Index	23	23	21
Soil Color	Gray	Dark Gray	Light Brown
Textural Class.	Silt Clay	Silt Clay	Silt Clay
AASHTO Class.	A-7-6 (14)	A-7-6 (15)	A-7-6 (14)

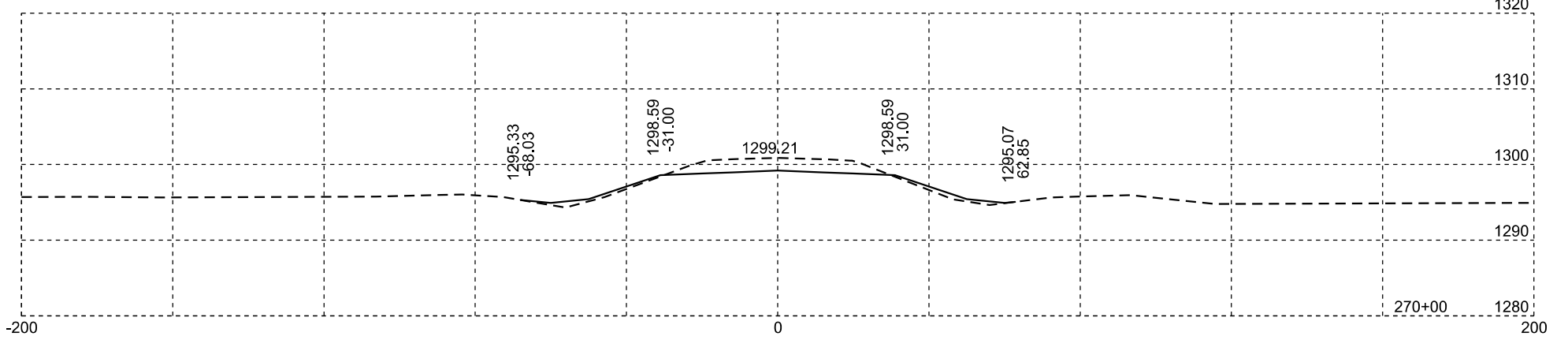
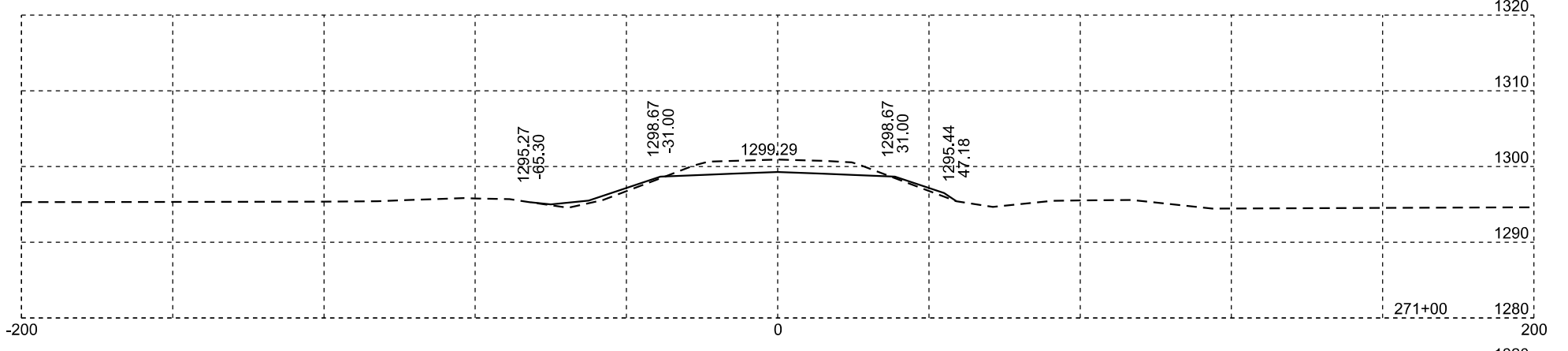
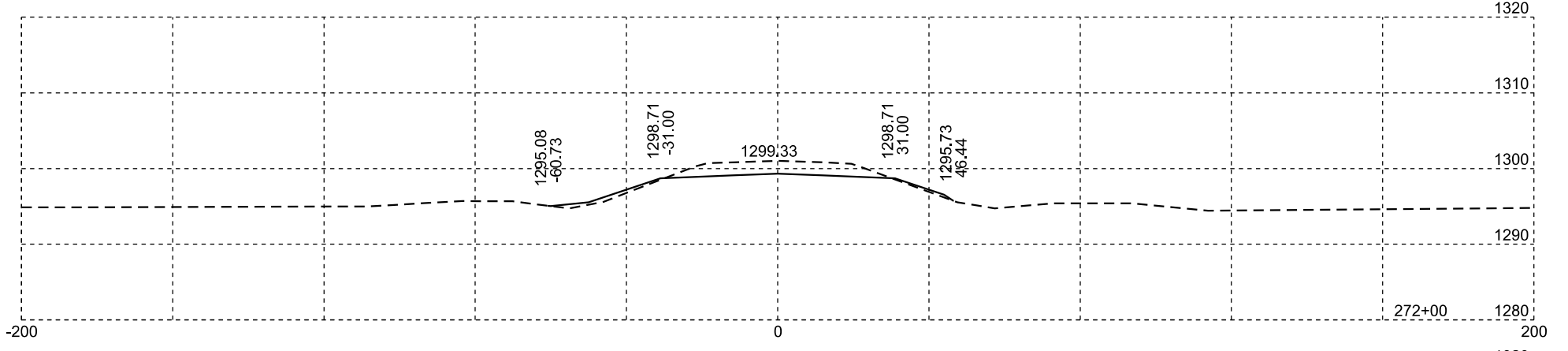
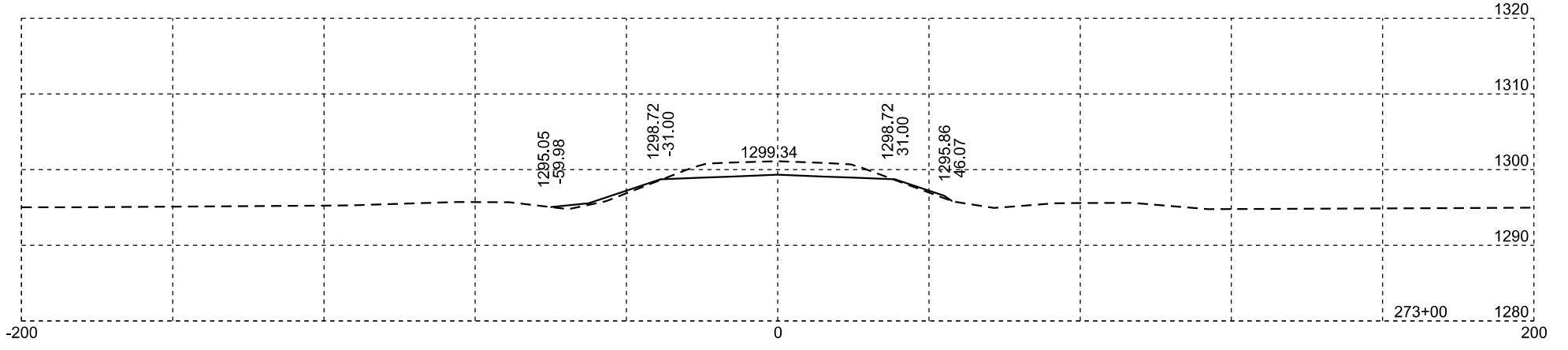
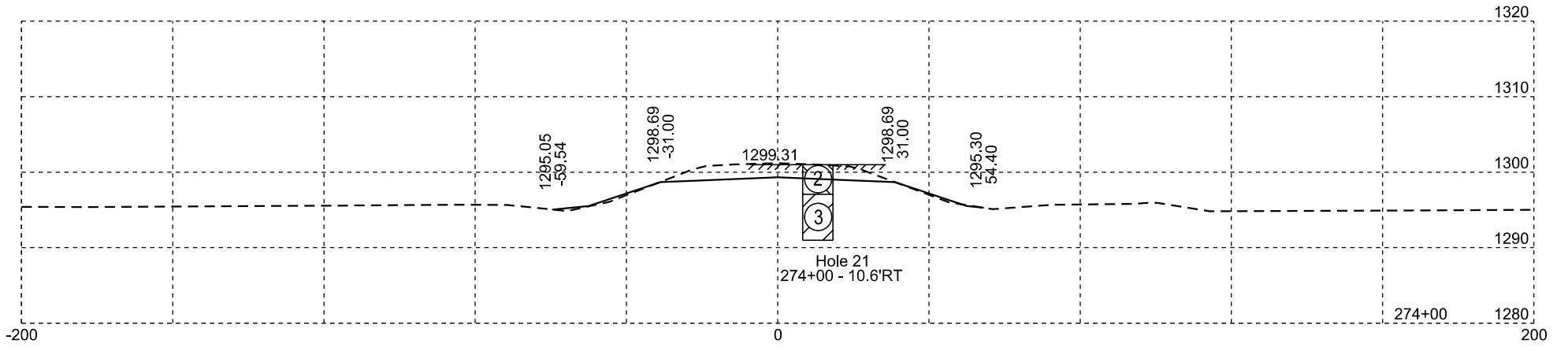
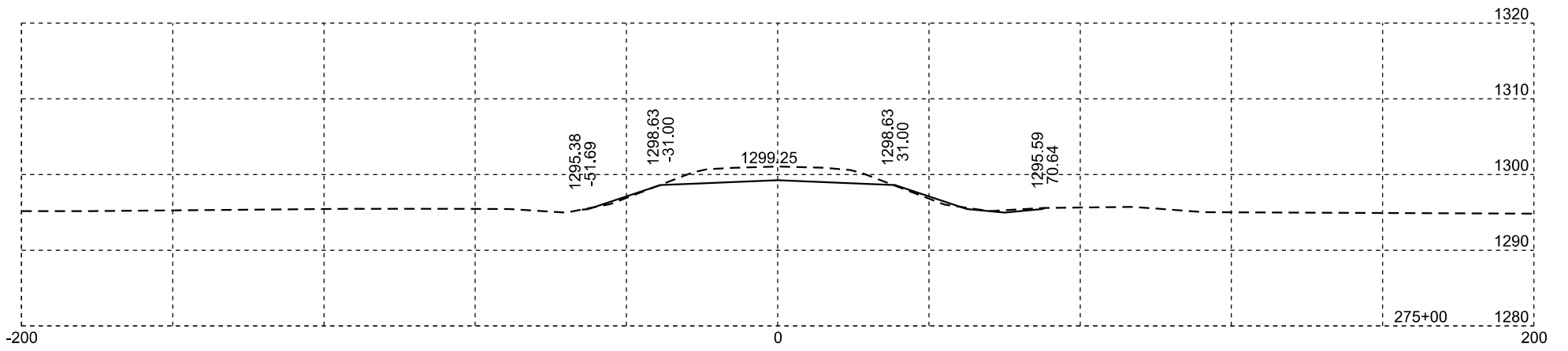
Hole Number	20	20
Station	259+00	259+00
Offset	9.8'RT	9.8'RT
Depth, ft	1.9-3.9	3.9-10.0
Moisture Depth, ft	2.6	6.0
Moisture, %	27.4	26.9
Dry Loose Wt, lbs/cuft	73.2	65.5
% Passing 3/8	100.0	94.7
% Passing #4	99.4	94.1
% Passing #10	98.6	93.3
% Passing #40	92.7	87.4
% Passing #200	89.2	84.1
% Sand	9.4	9.2
% Silt	39.9	37.5
% Clay	49.3	46.7
Liquid Limit	47	49
Plastic Limit	24	26
Plasticity Index	24	23
Soil Color	Dark Gray	Brown
Textural Class.	Silt Clay	Silt Clay
AASHTO Class.	A-7-6 (15)	A-7-6 (15)

Hole Number	21	21
Station	274+00	274+00
Offset	10.6'RT	10.6'RT
Depth, ft	1.9-3.9	3.9-10.0
Moisture Depth, ft	2.4	5.0
Moisture, %	28.8	27.0
Dry Loose Wt, lbs/cuft	71.0	68.0
% Passing 3/8	100.0	100.0
% Passing #4	100.0	100.0
% Passing #10	99.3	99.9
% Passing #40	95.4	99.4
% Passing #200	92.1	98.5
% Sand	7.2	1.4
% Silt	48.4	42.6
% Clay	43.7	55.9
Liquid Limit	44	52
Plastic Limit	25	25
Plasticity Index	19	27
Soil Color	Dark Gray	Light Brown
Textural Class.	Silt Clay	Clay
AASHTO Class.	A-7-6 (13)	A-7-6 (17)



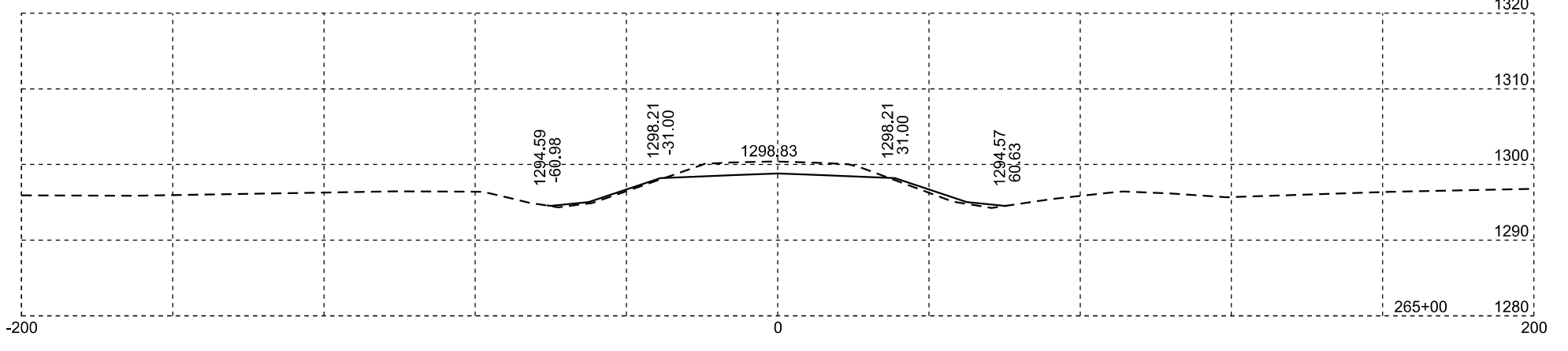
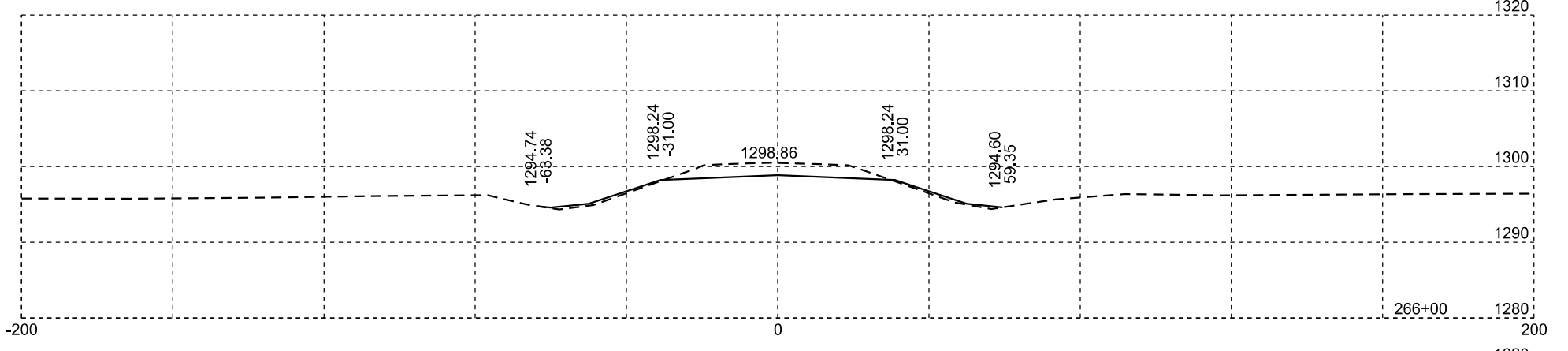
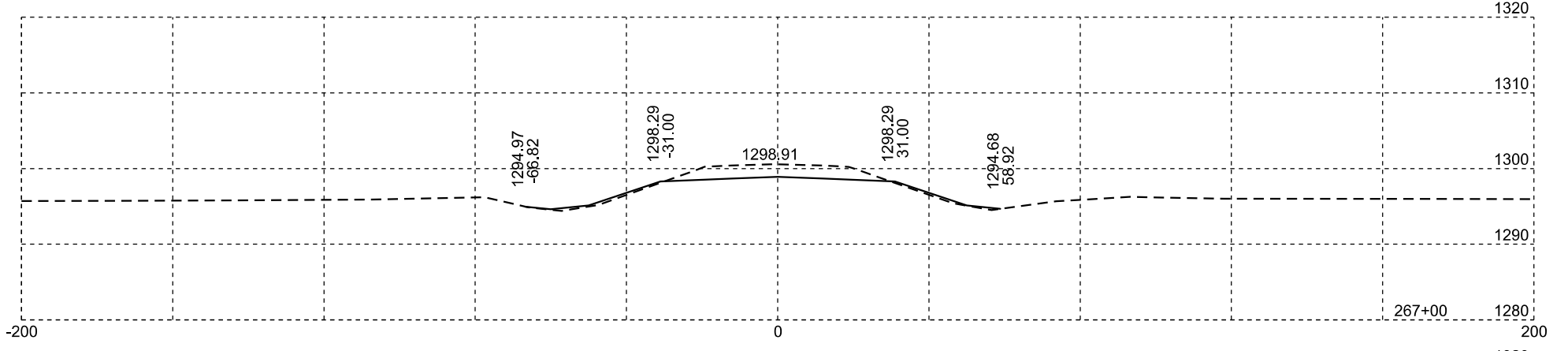
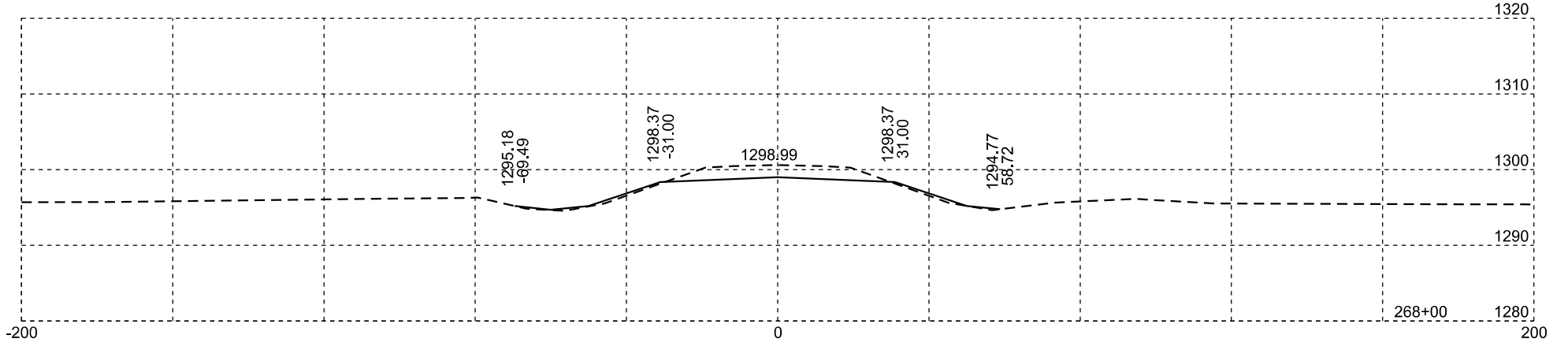
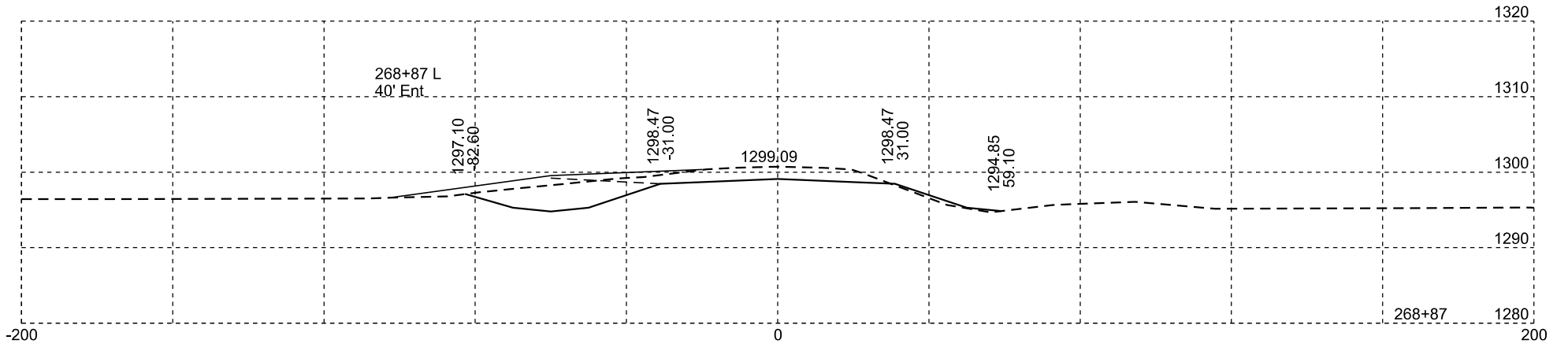
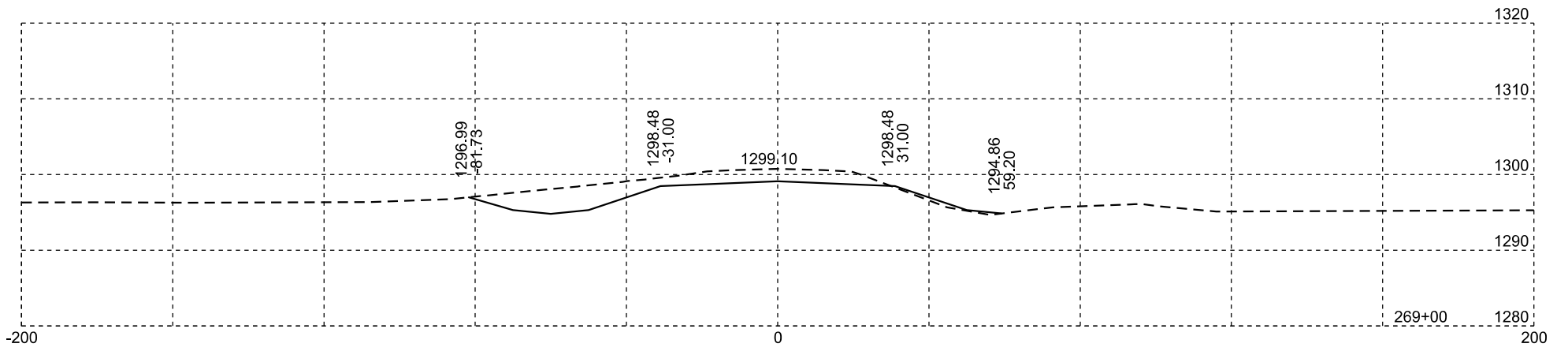
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 4	X57



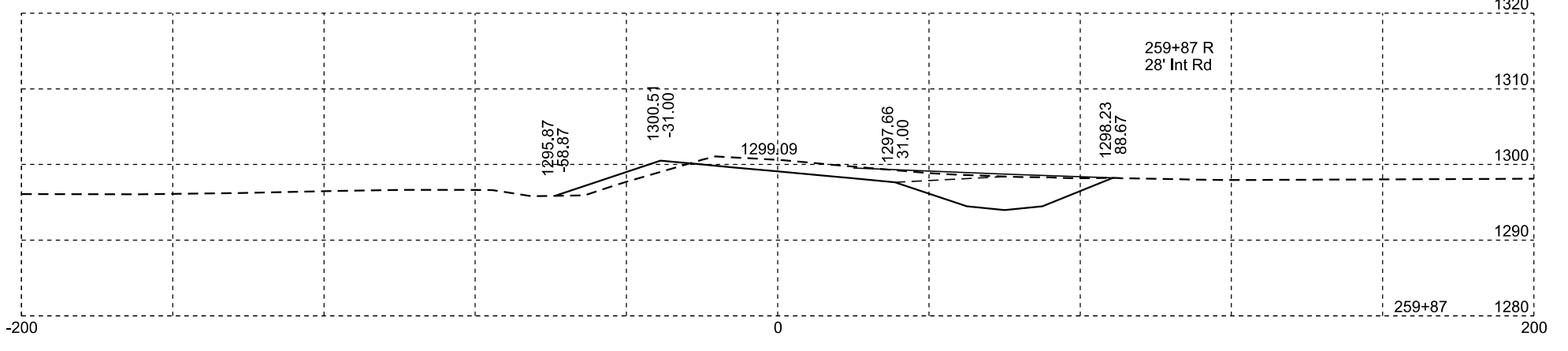
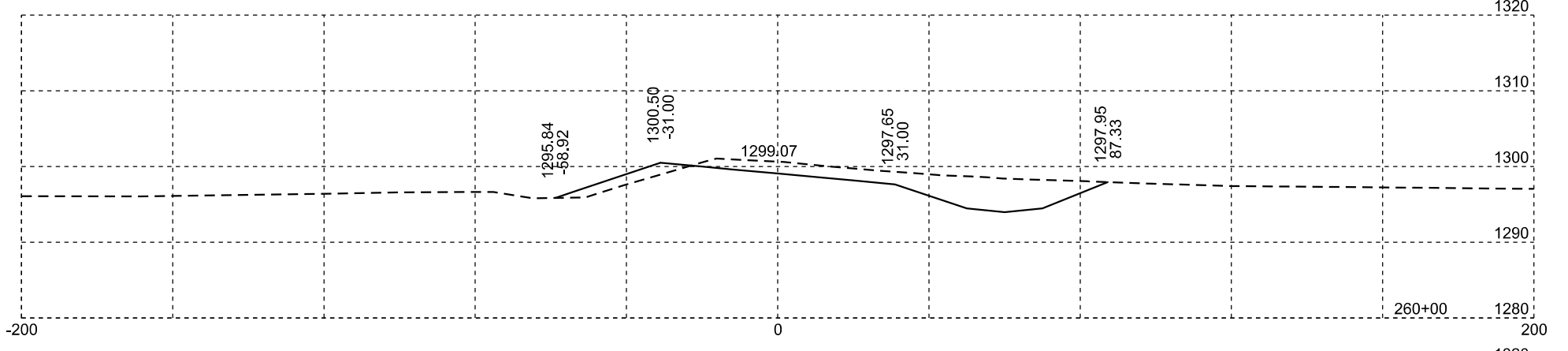
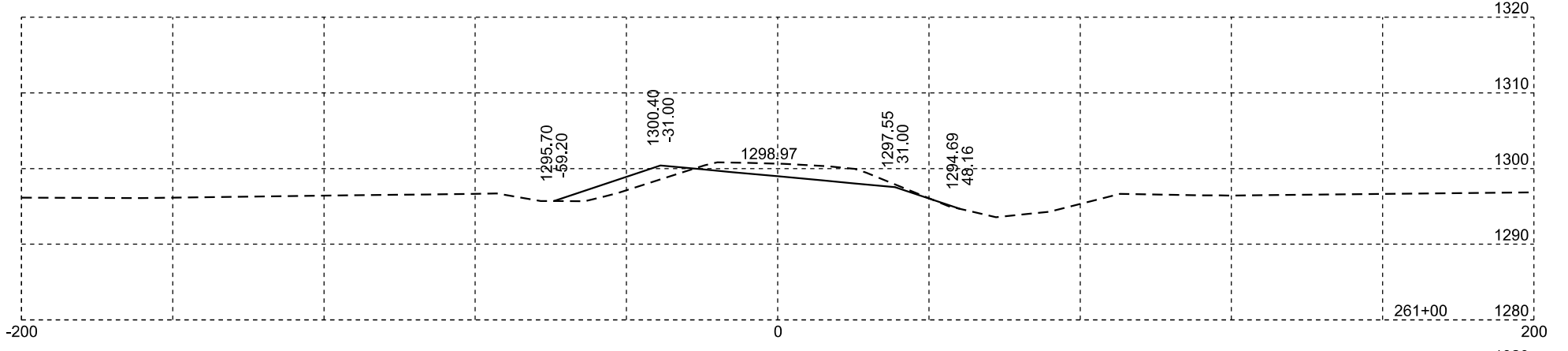
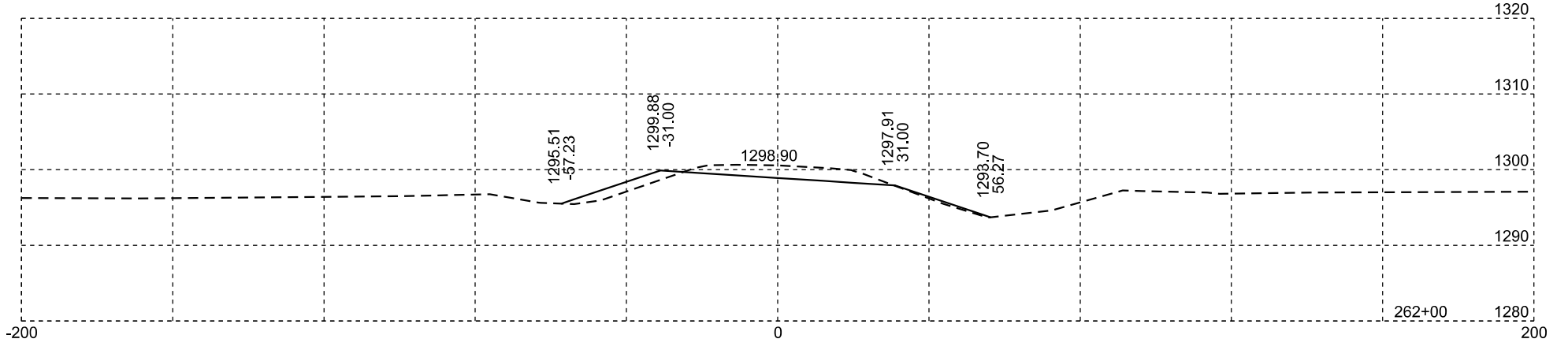
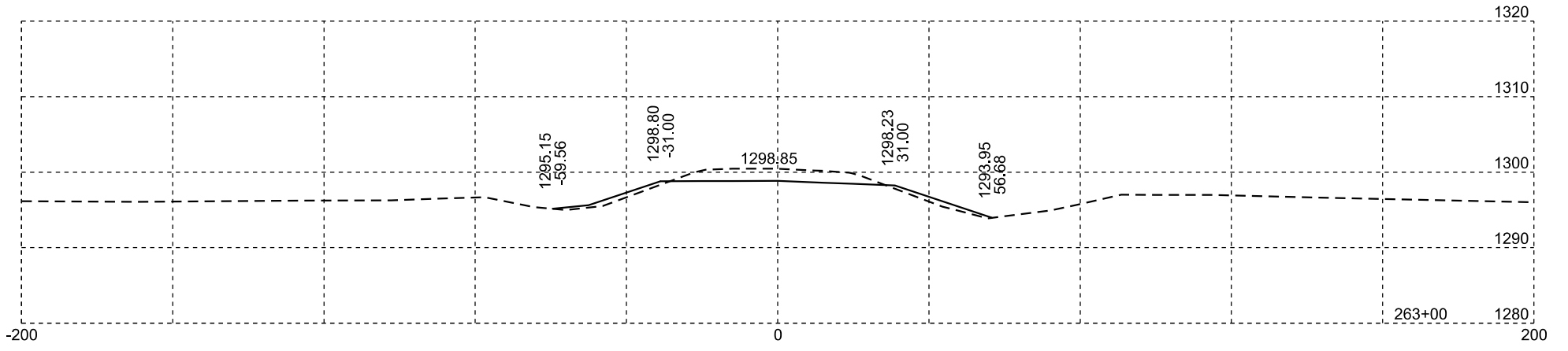
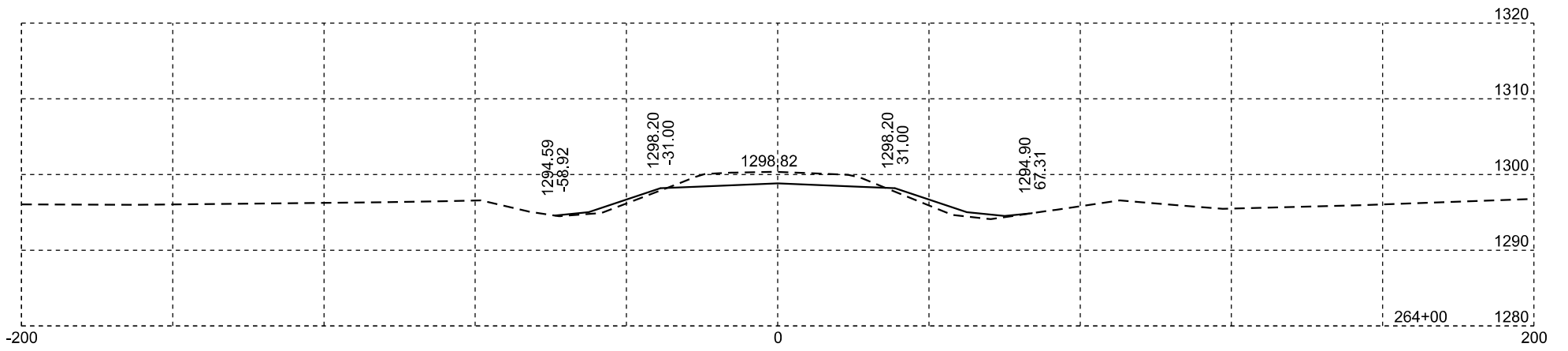
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 5	X57



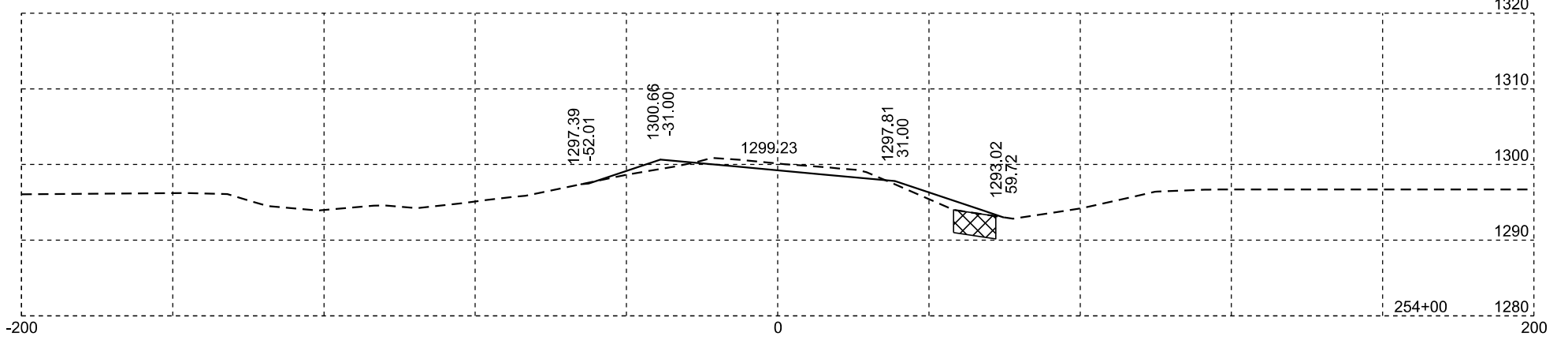
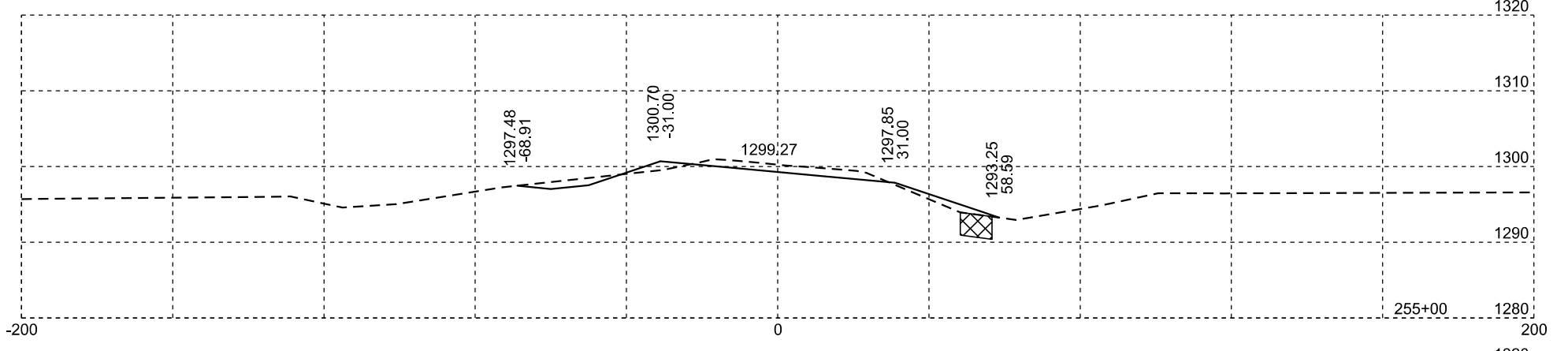
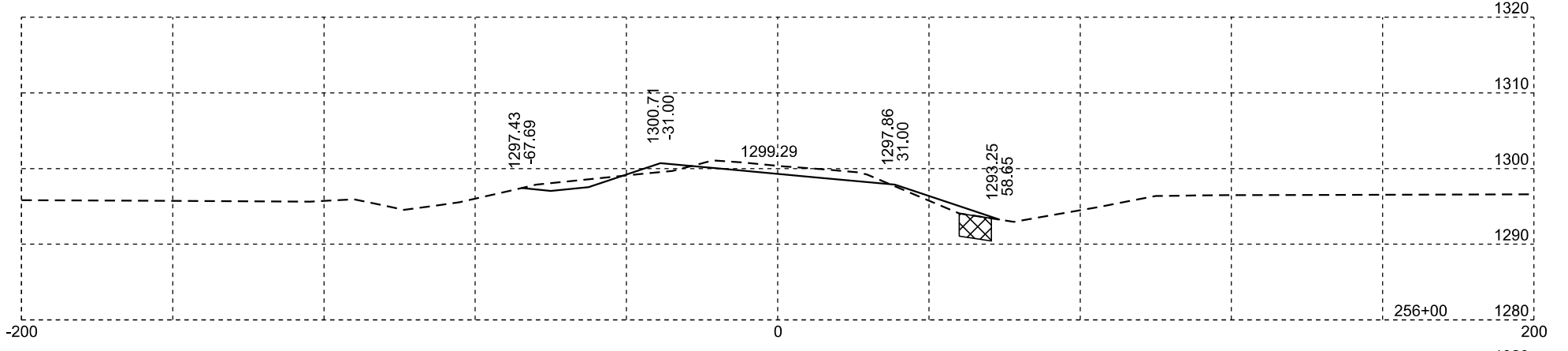
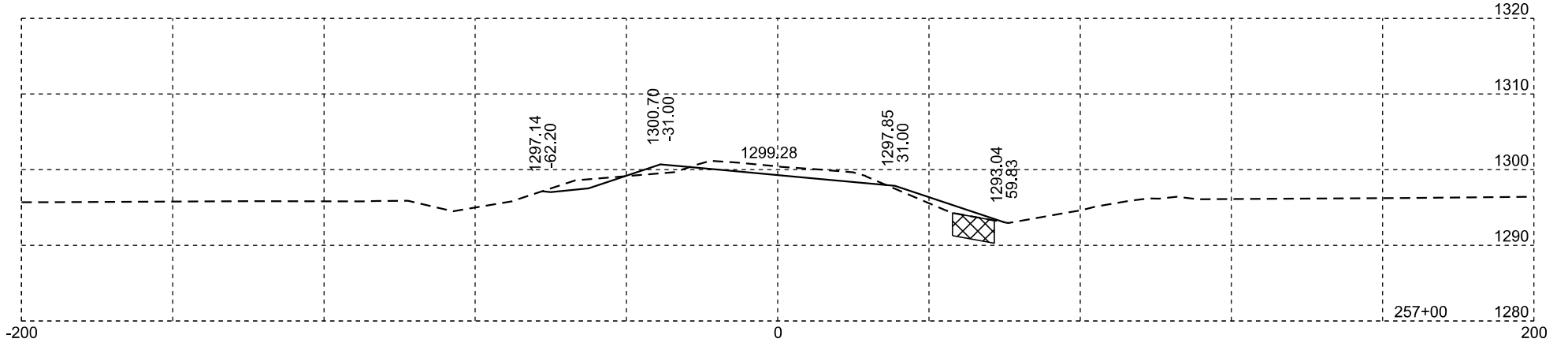
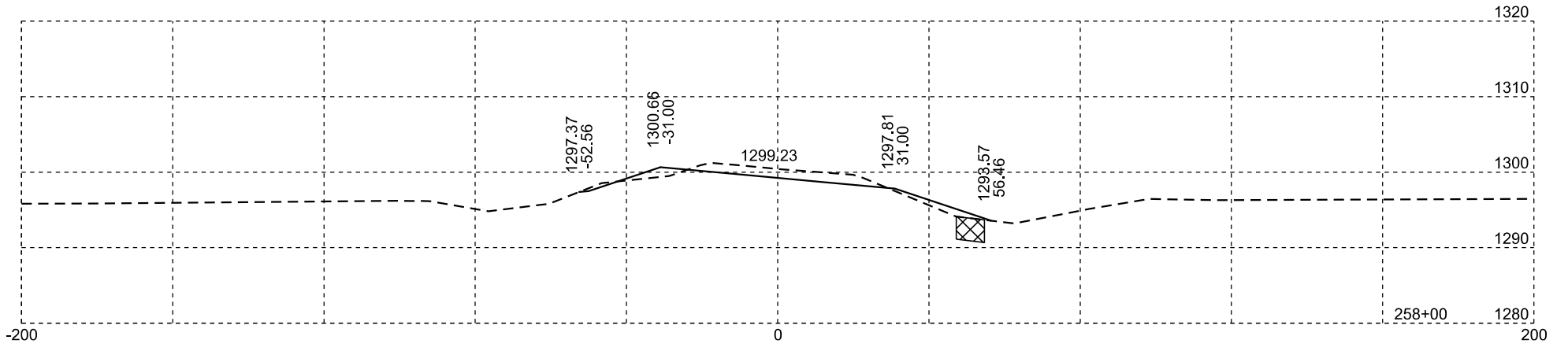
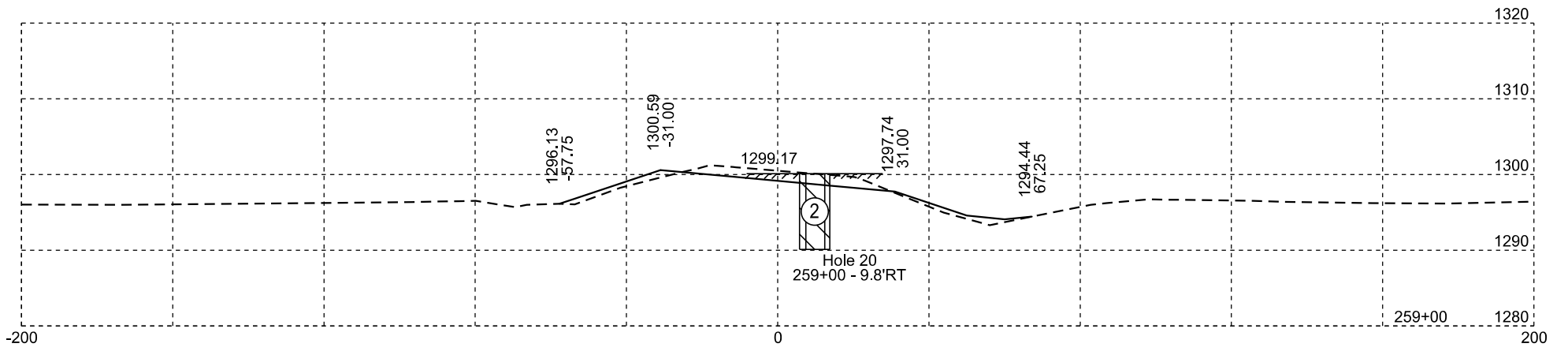
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 6	X57



Plotting Date: 11/05/2024

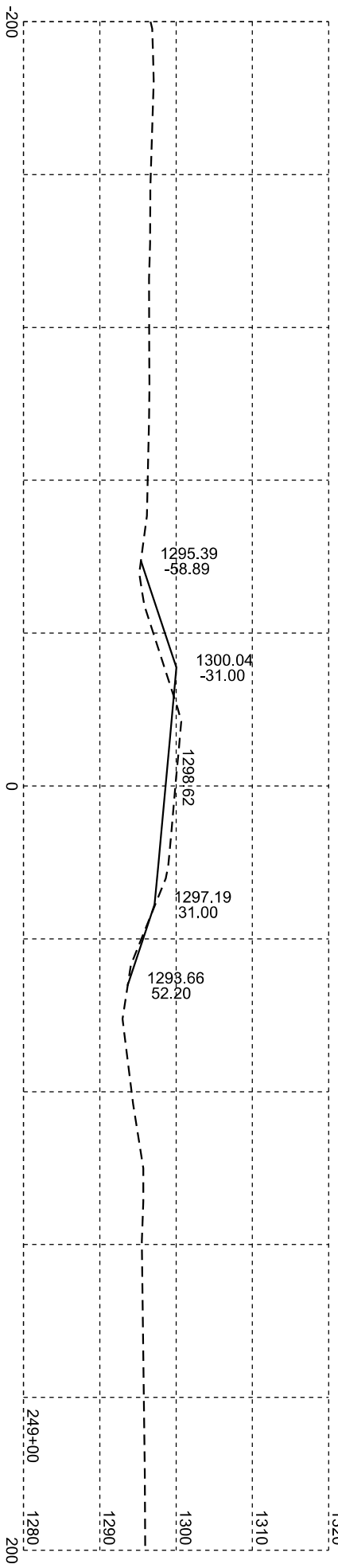
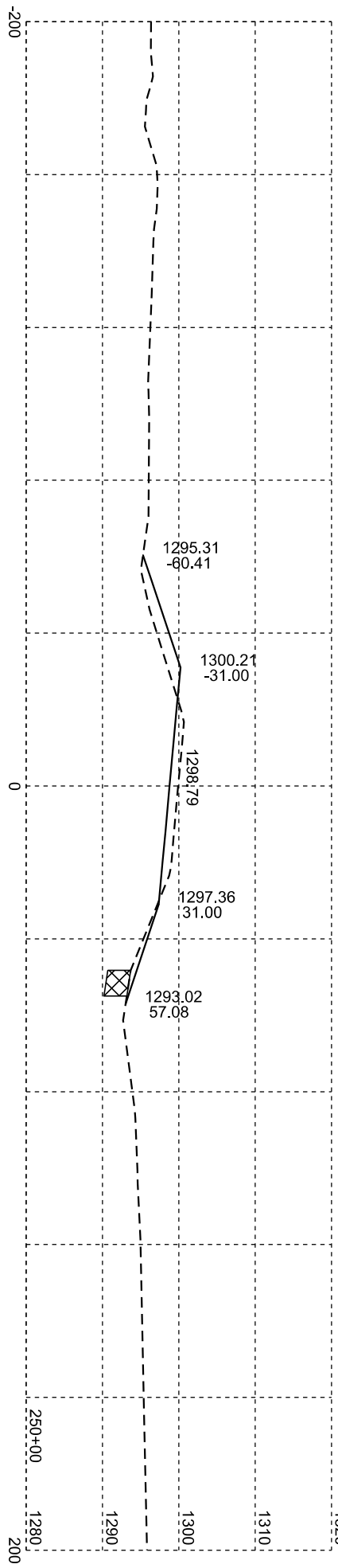
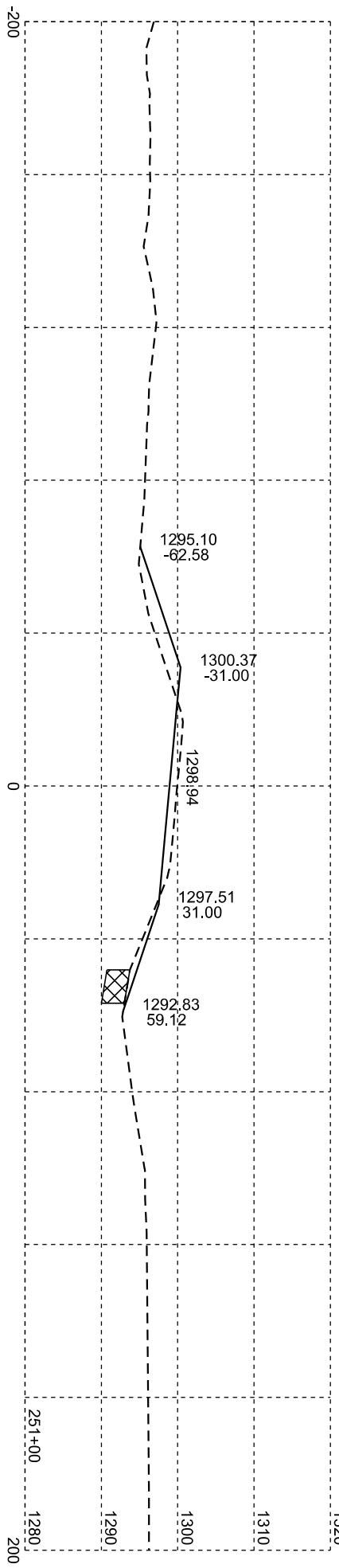
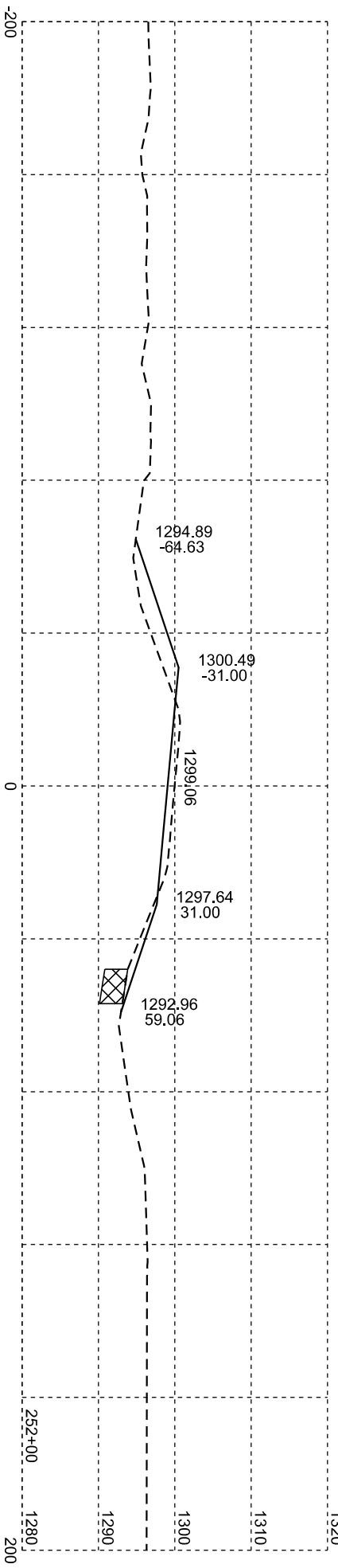
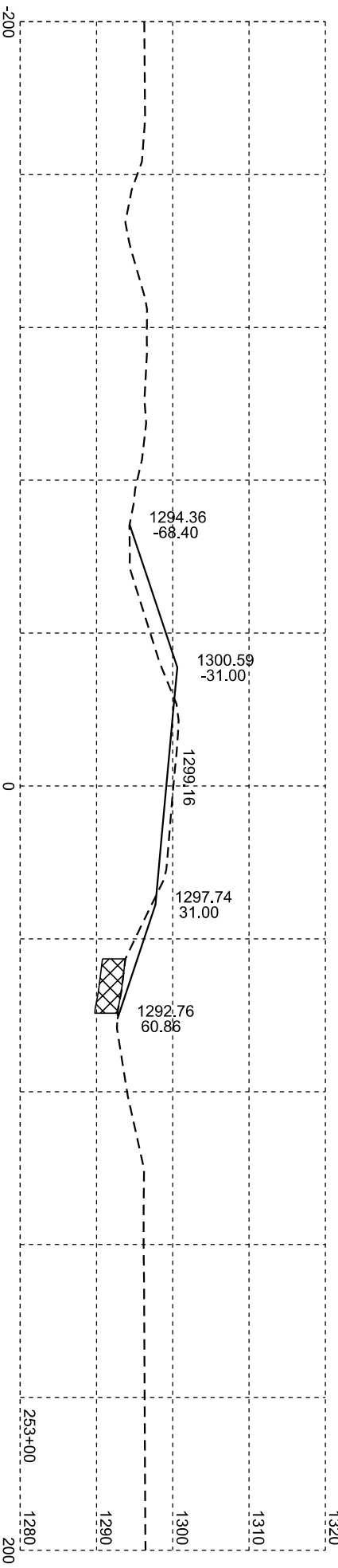
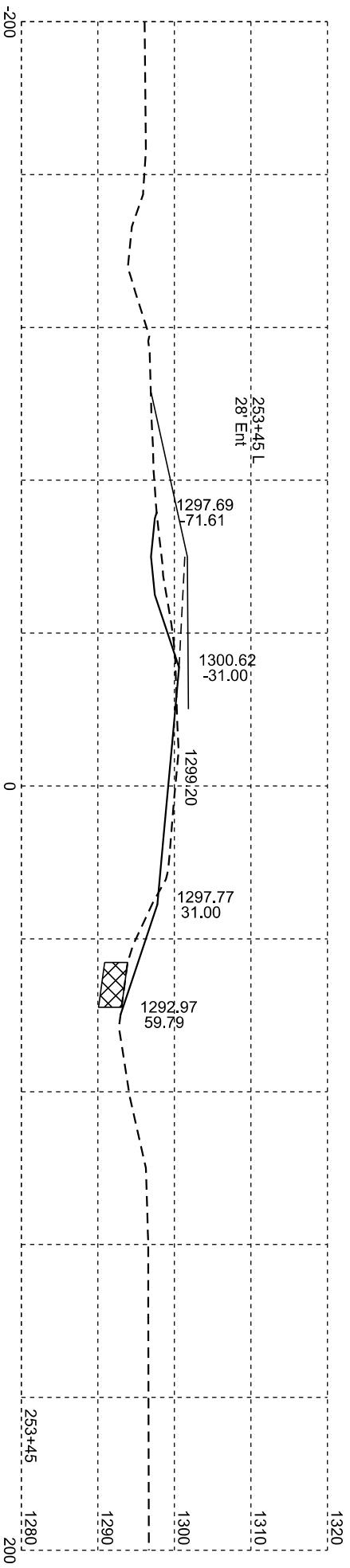
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 7	X57



Plotting Date: 11/05/2024

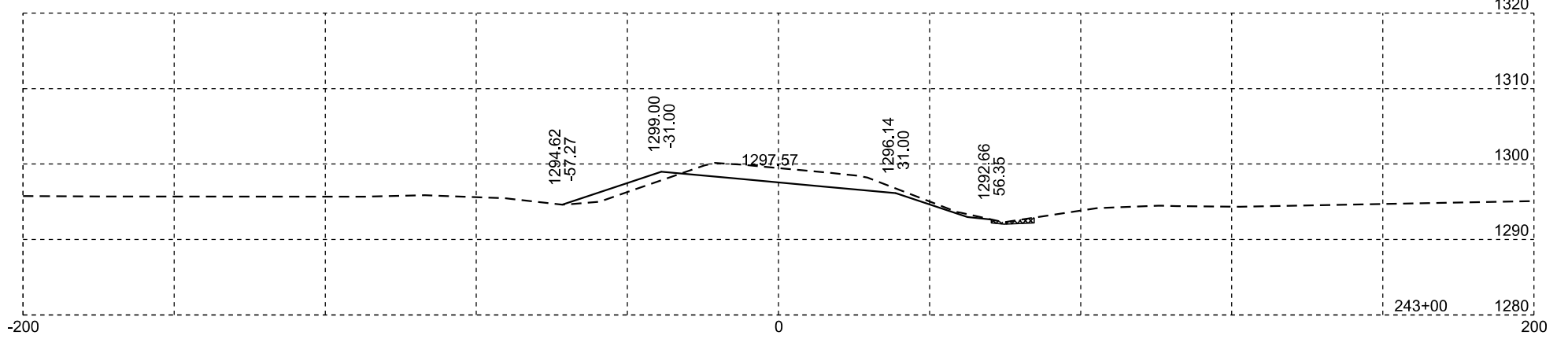
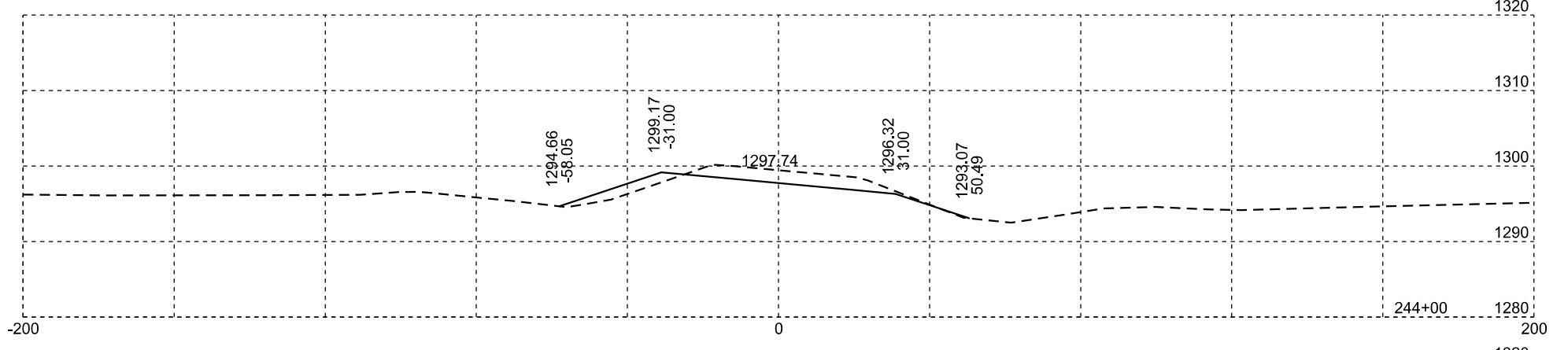
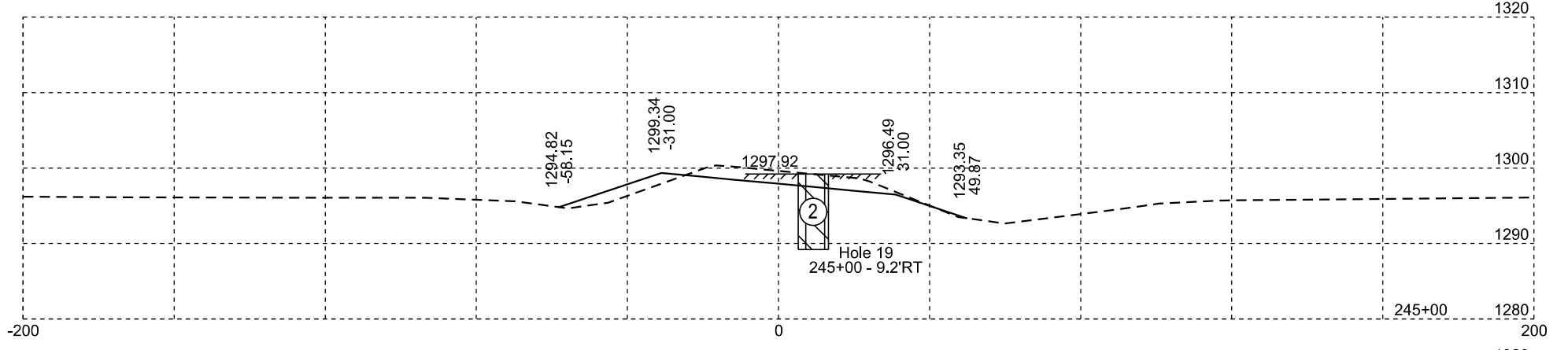
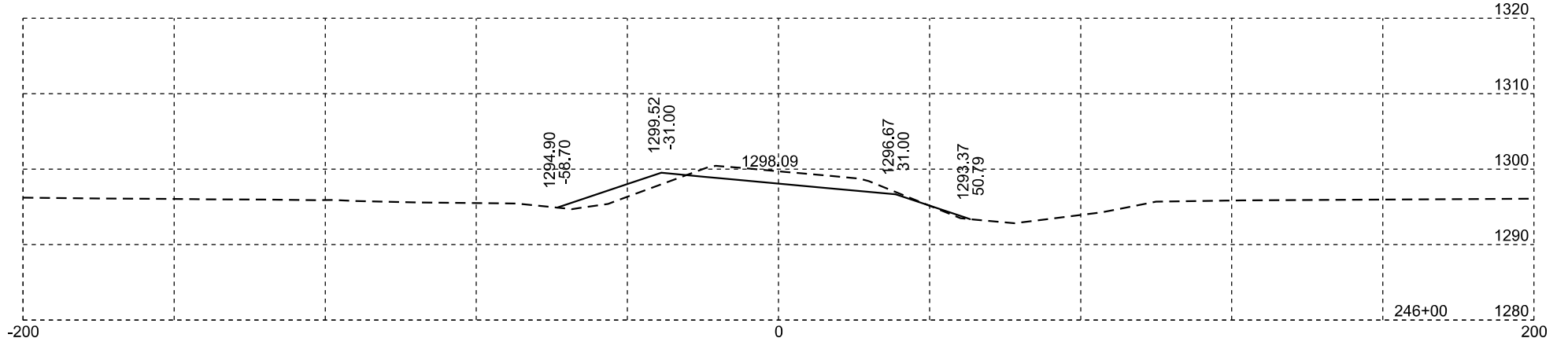
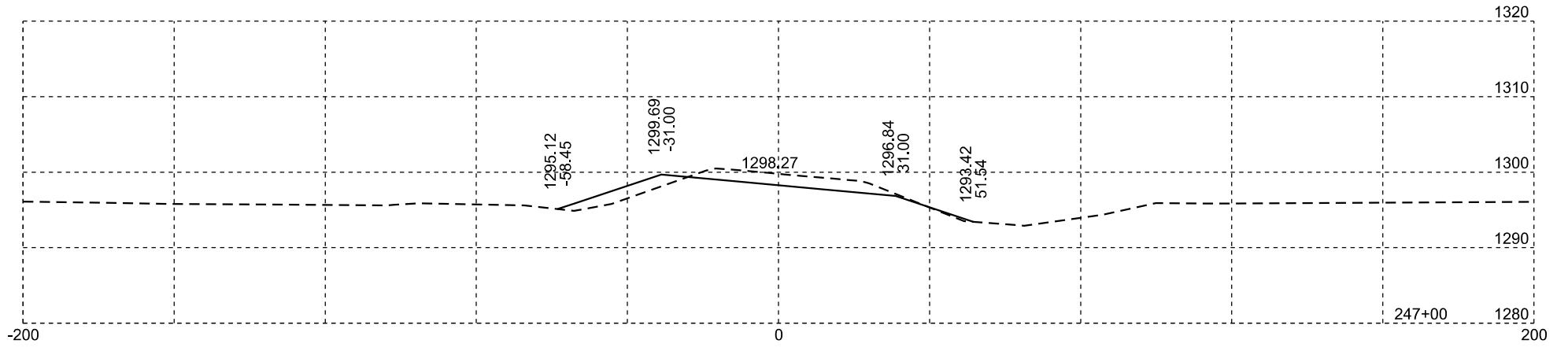
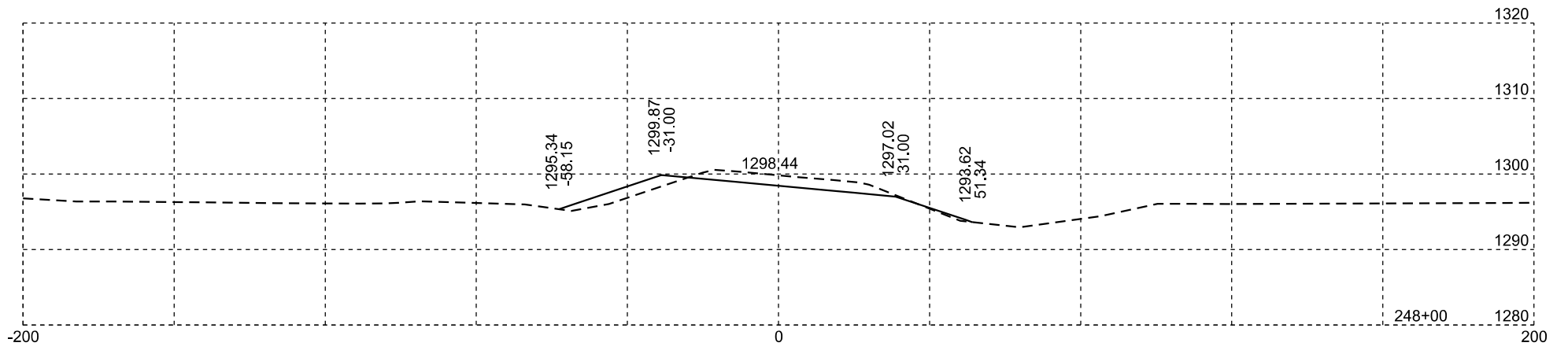
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 8	X57





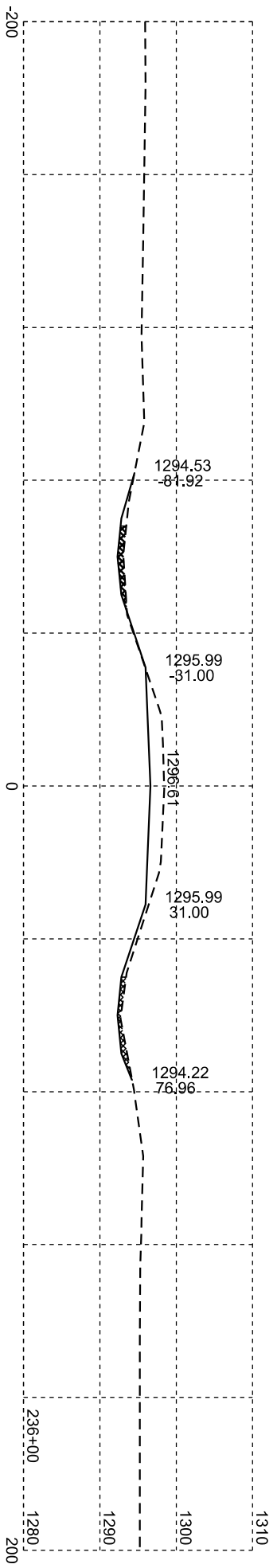
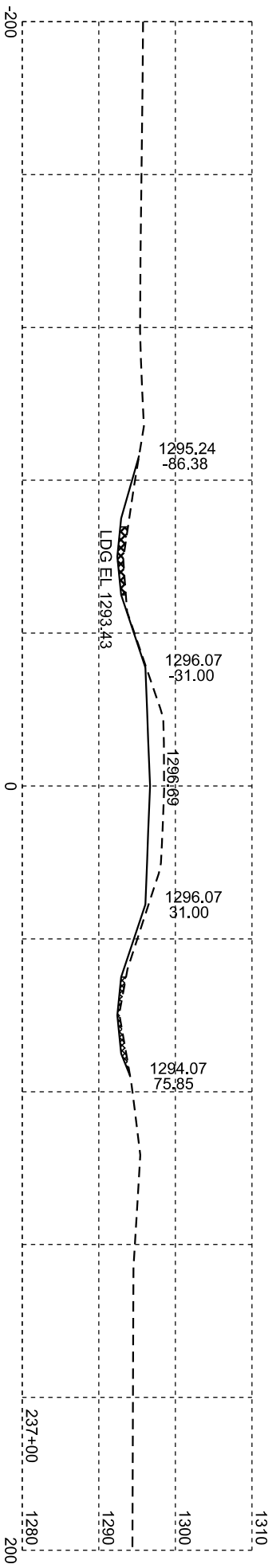
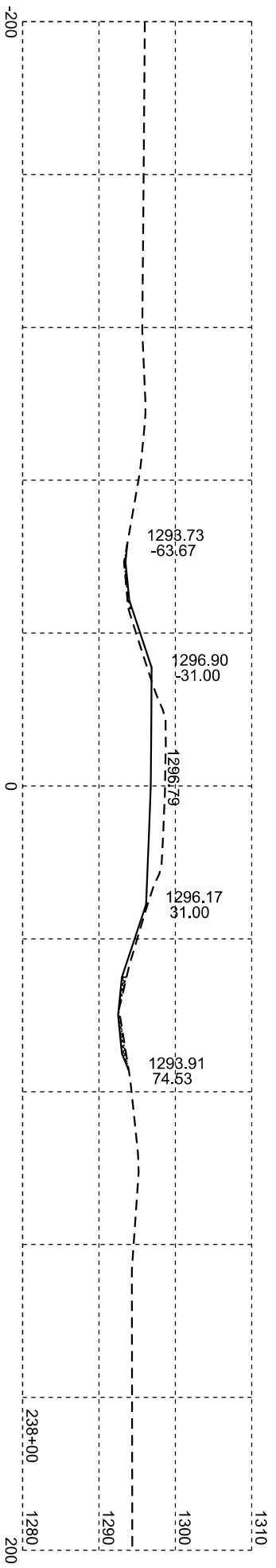
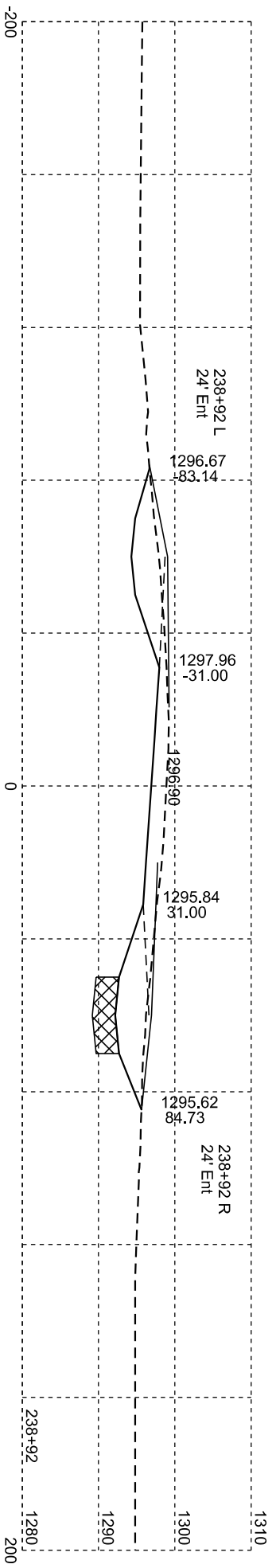
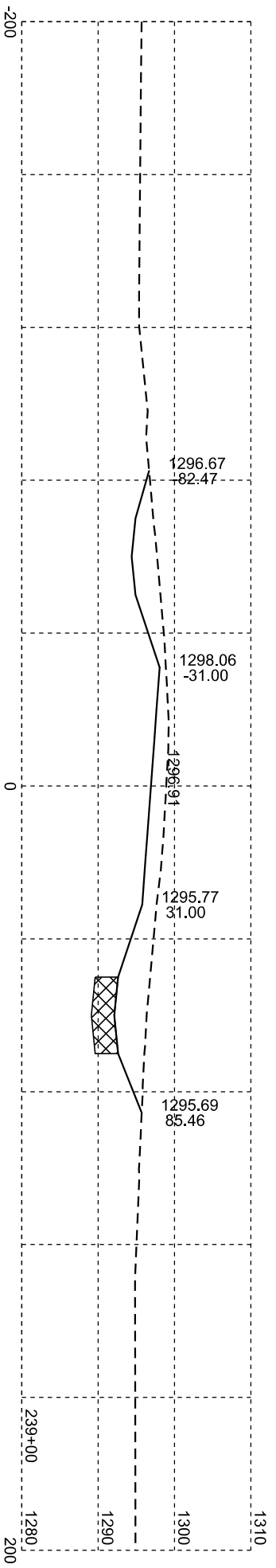
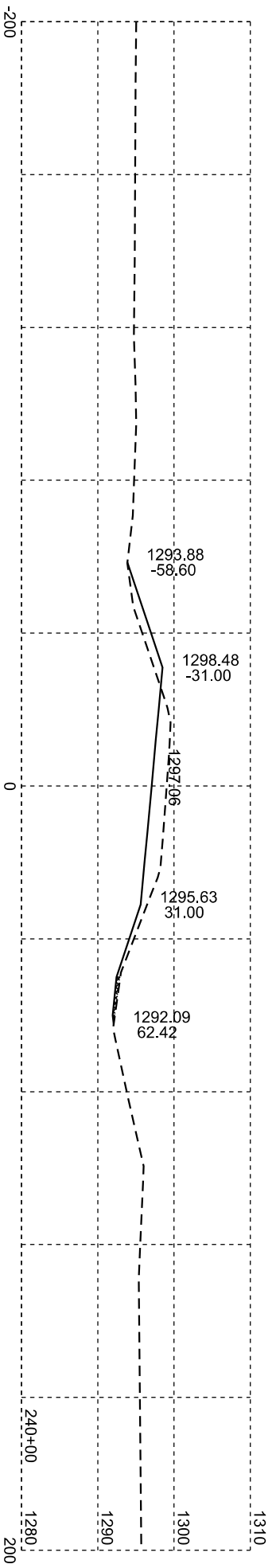
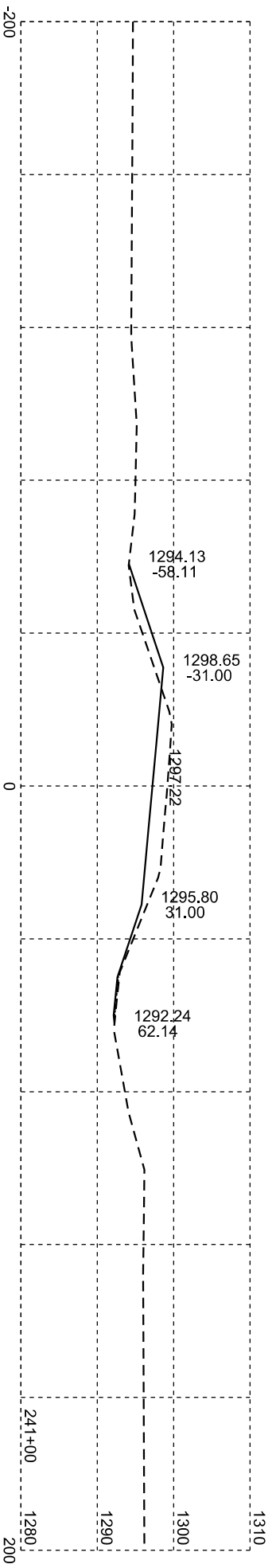
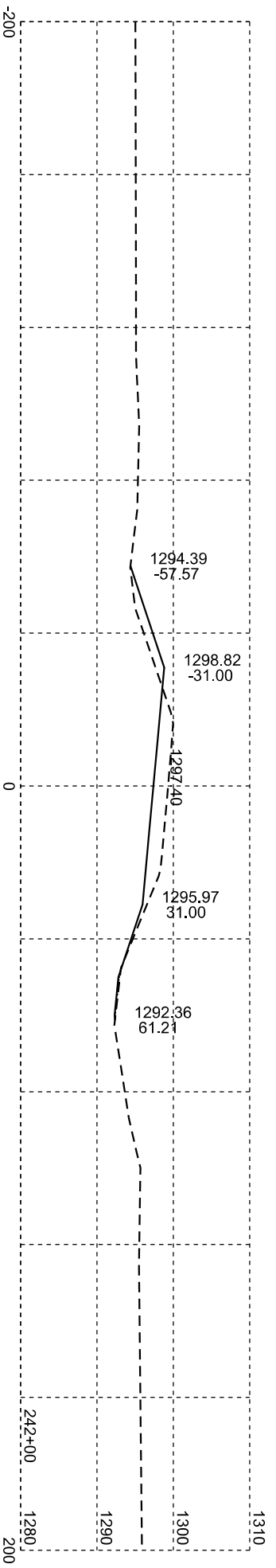
Muck Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 9	X57



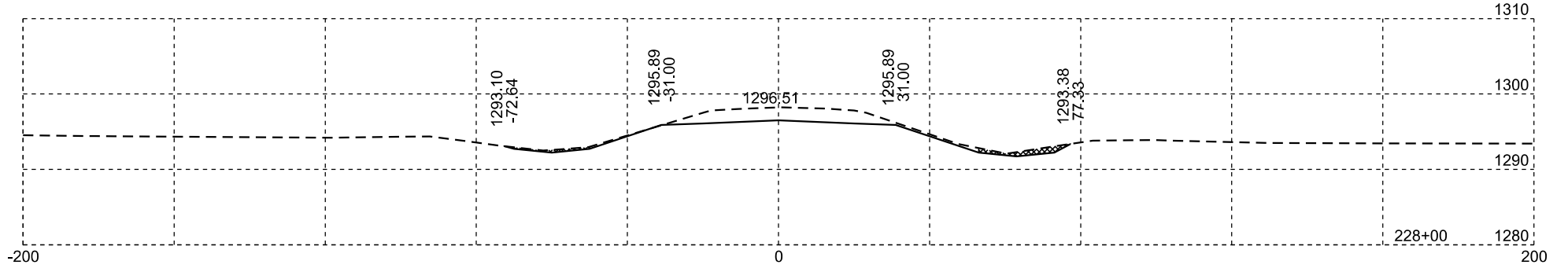
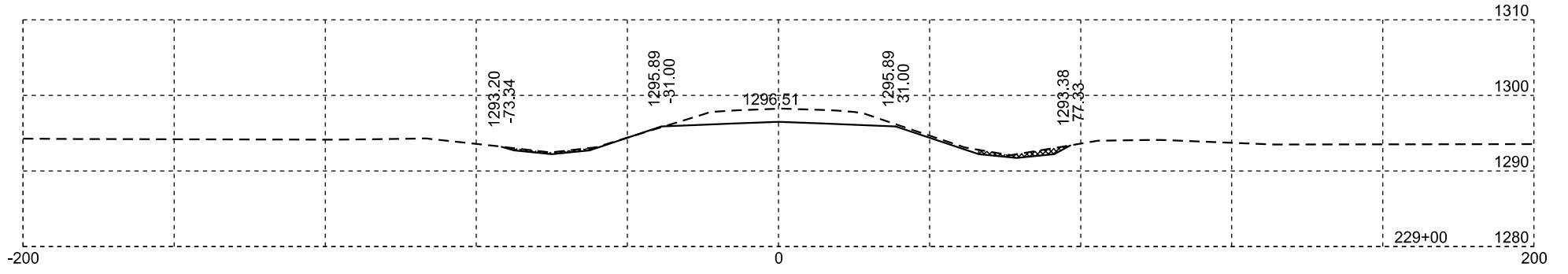
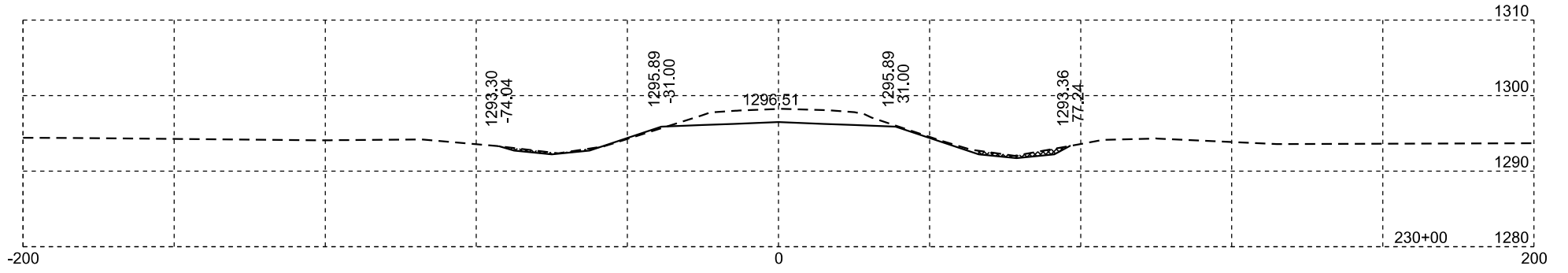
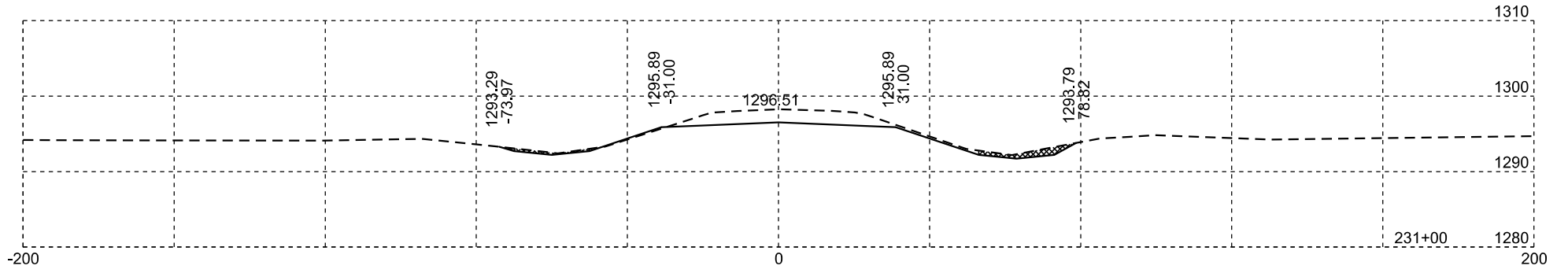
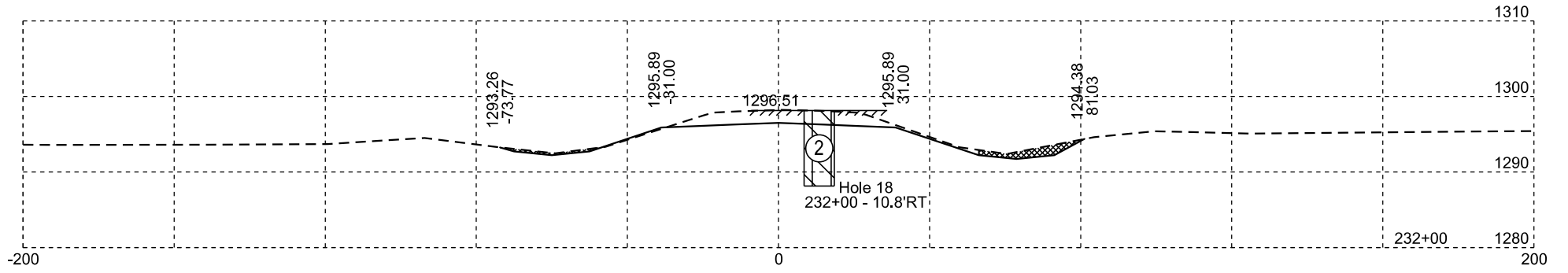
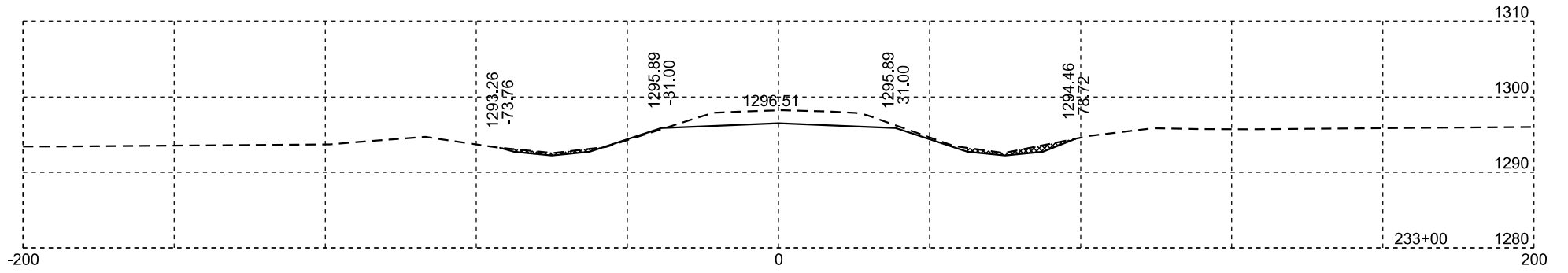
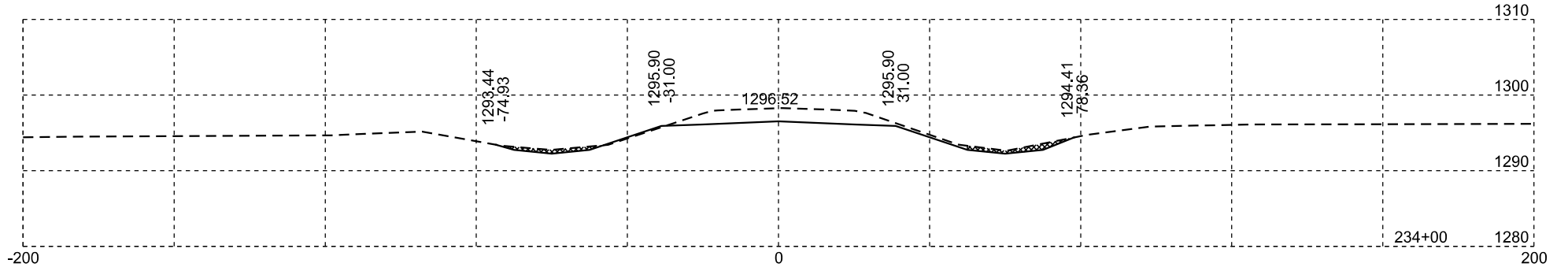
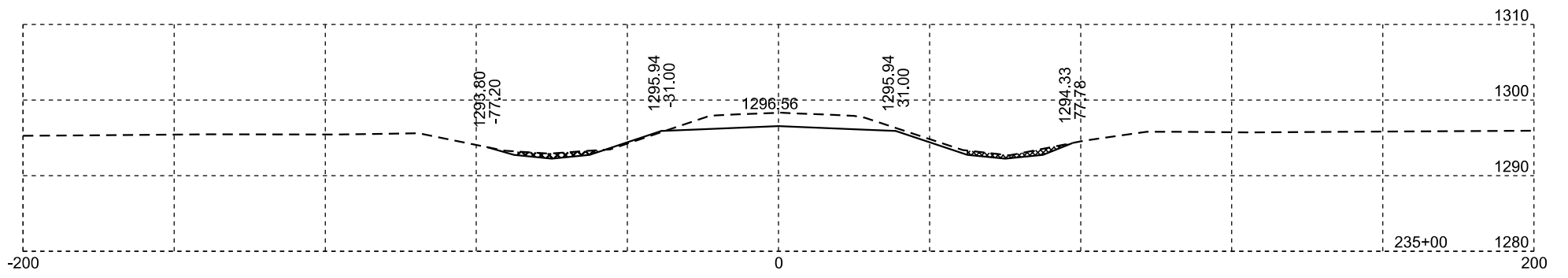
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 10	X57



 Muck Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 11	X57

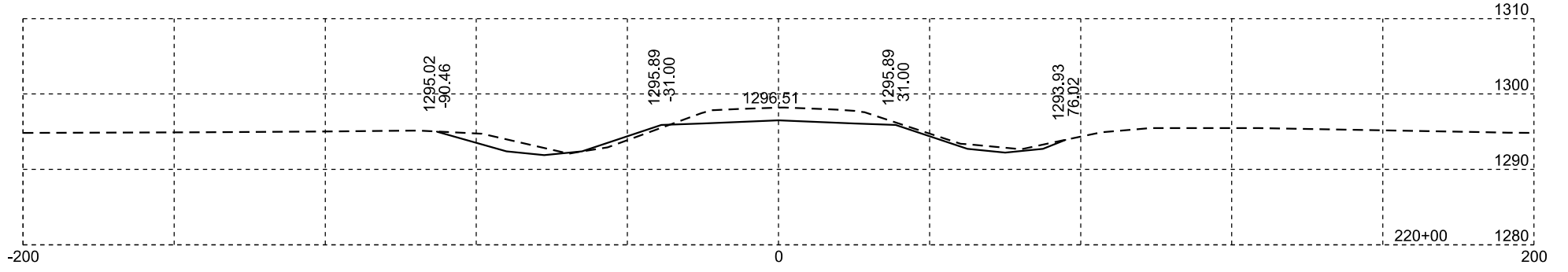
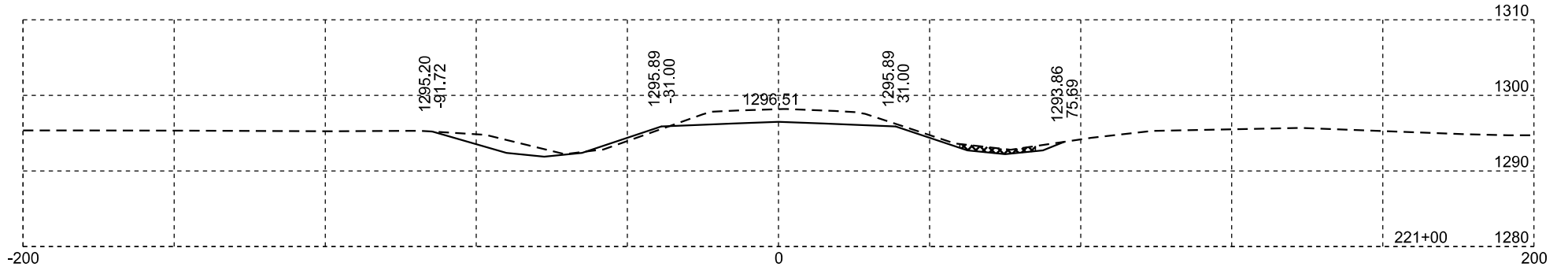
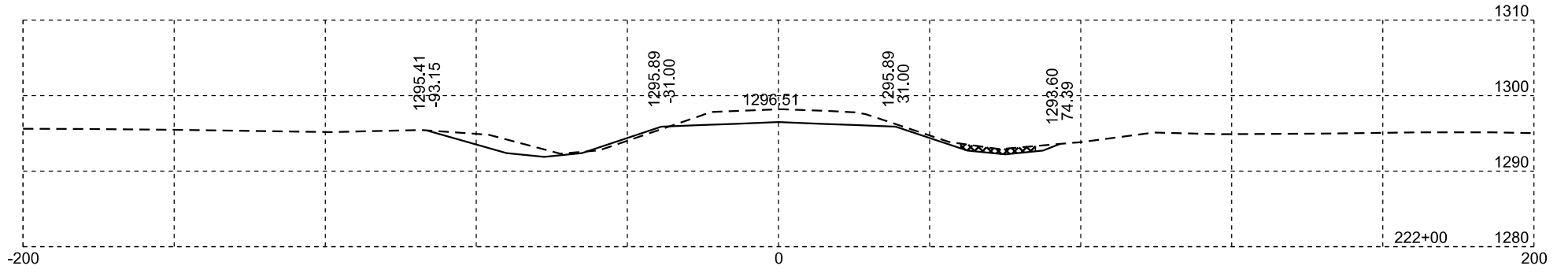
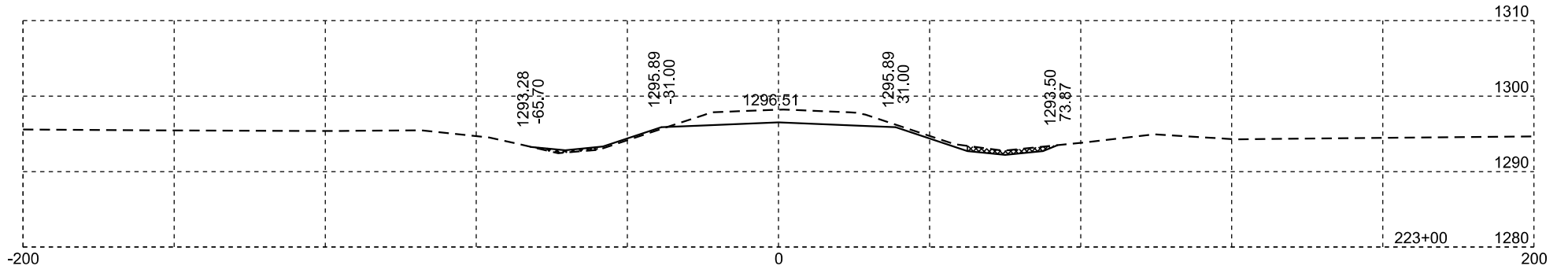
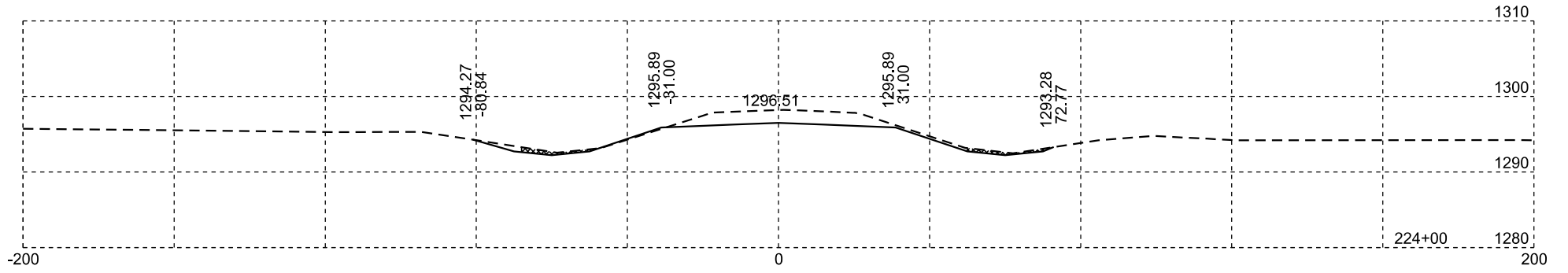
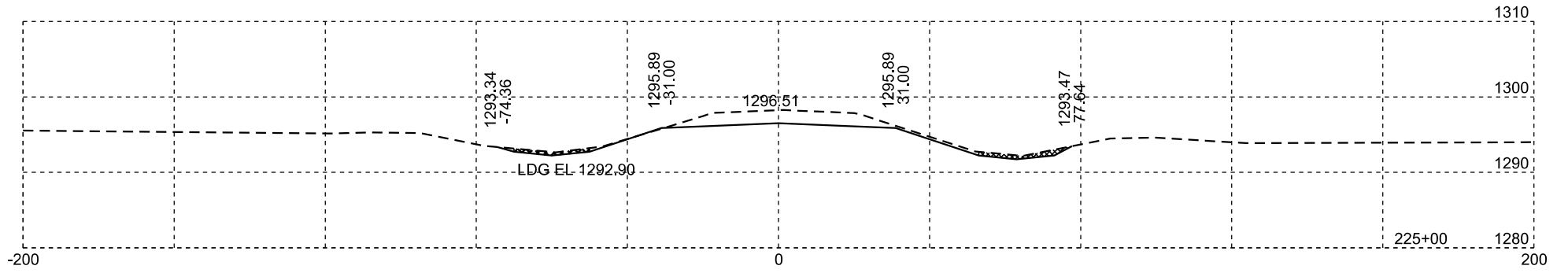
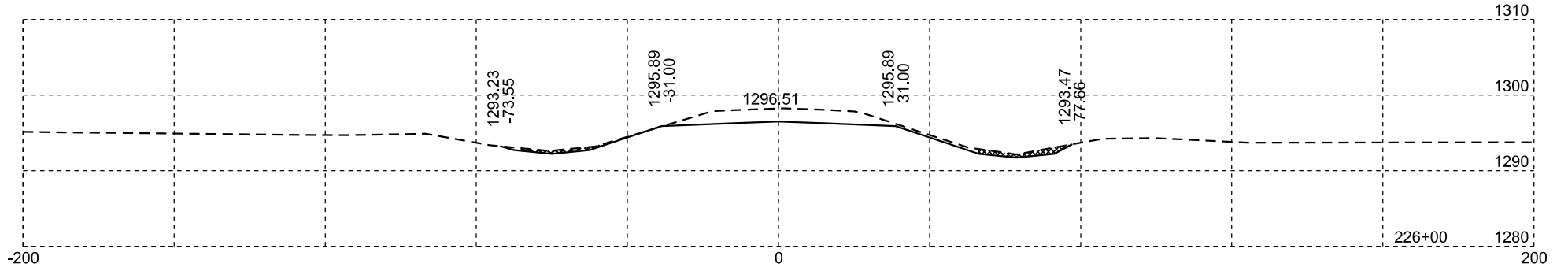
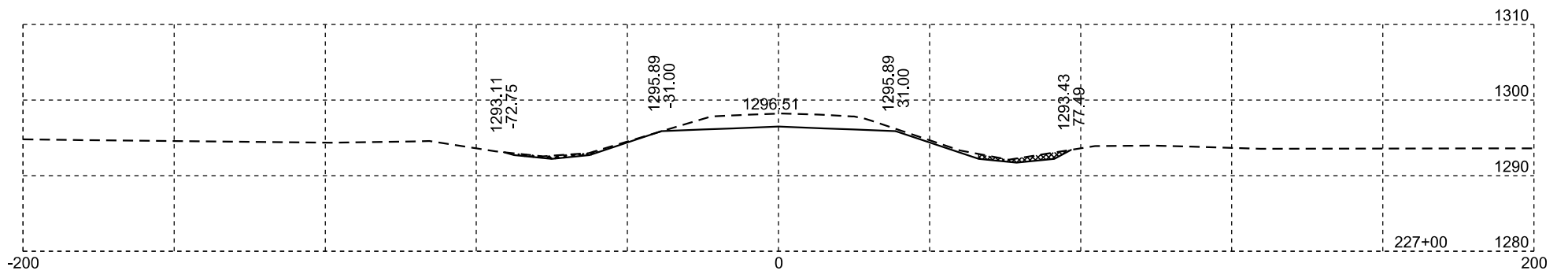


Plotting Date: 11/05/2024



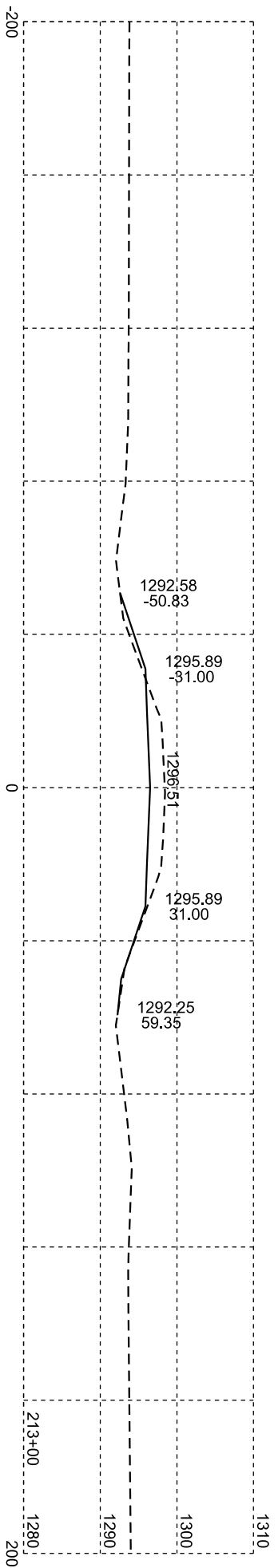
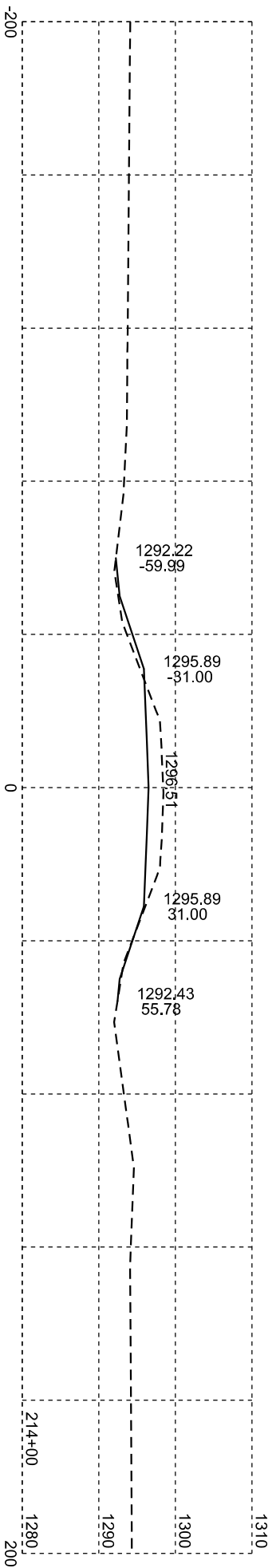
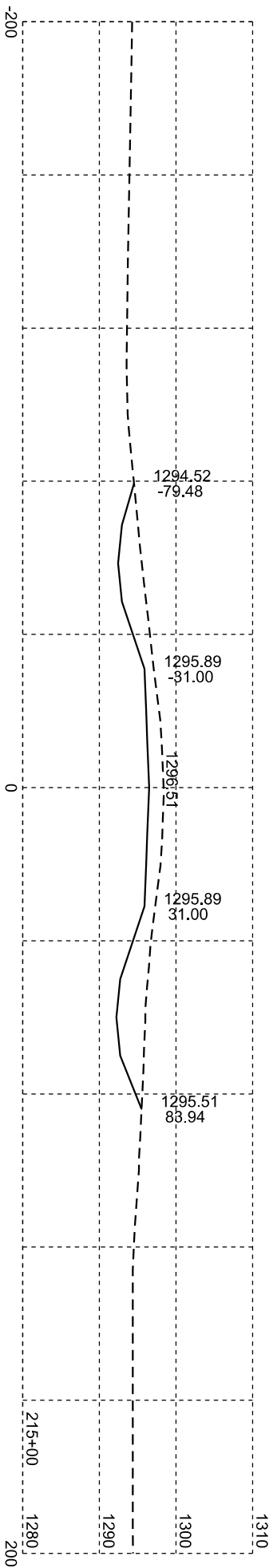
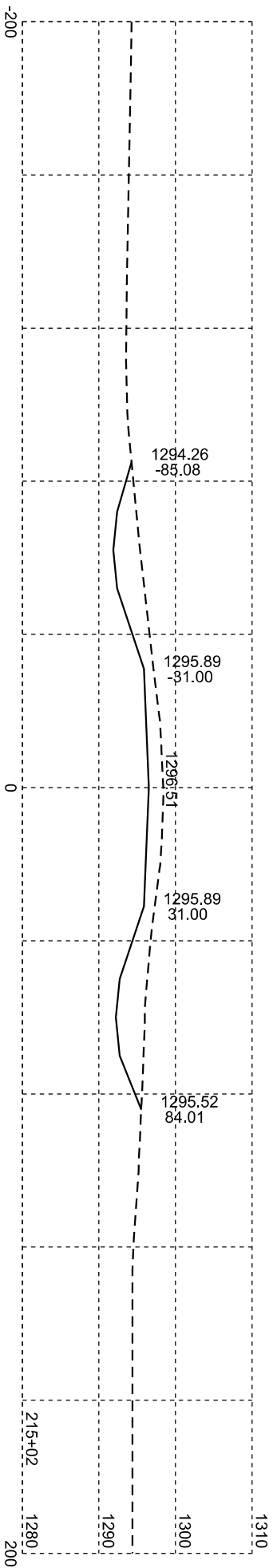
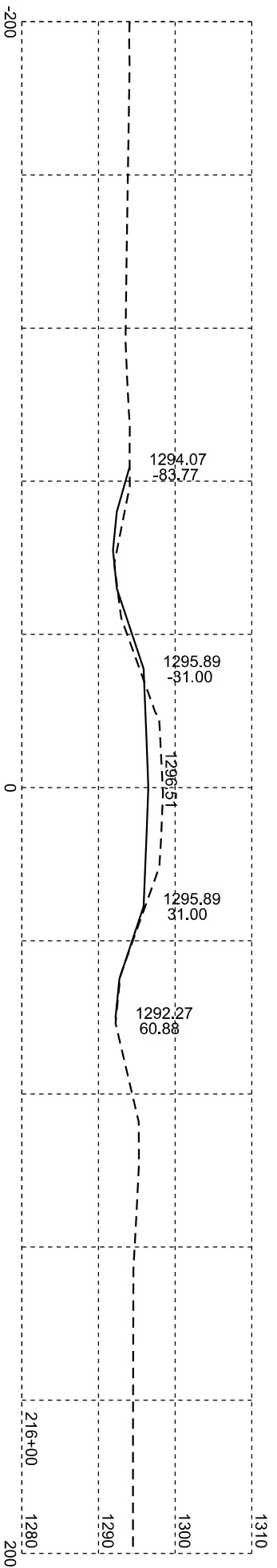
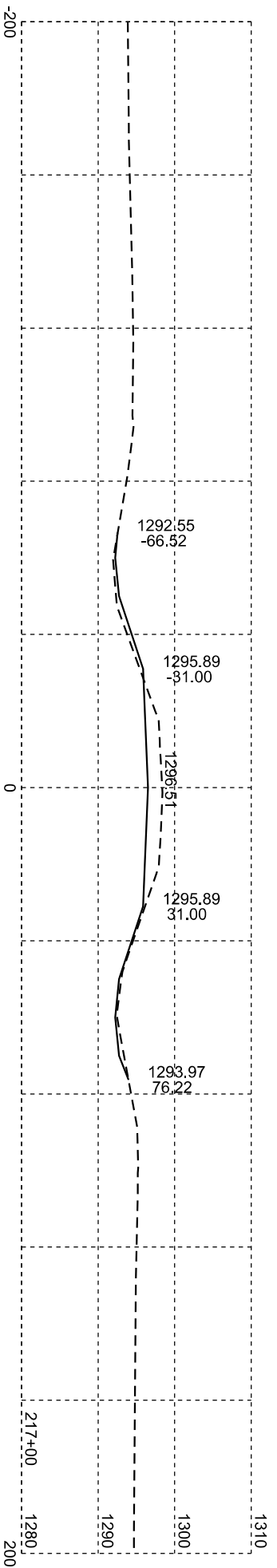
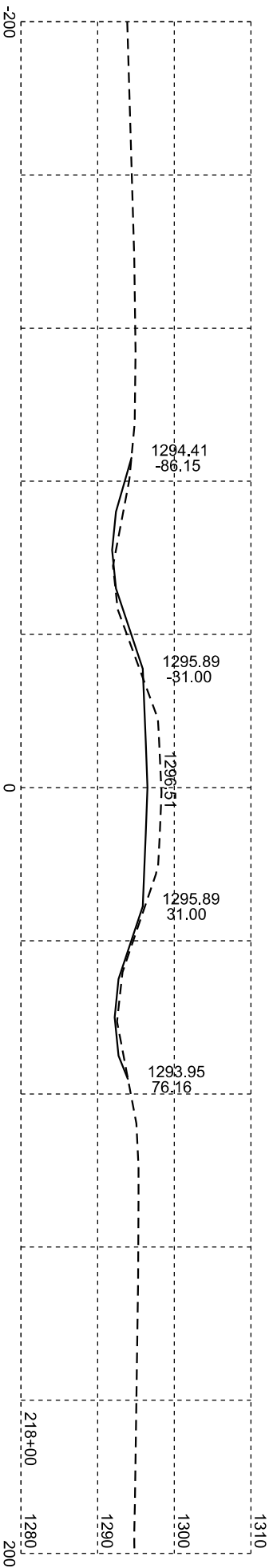
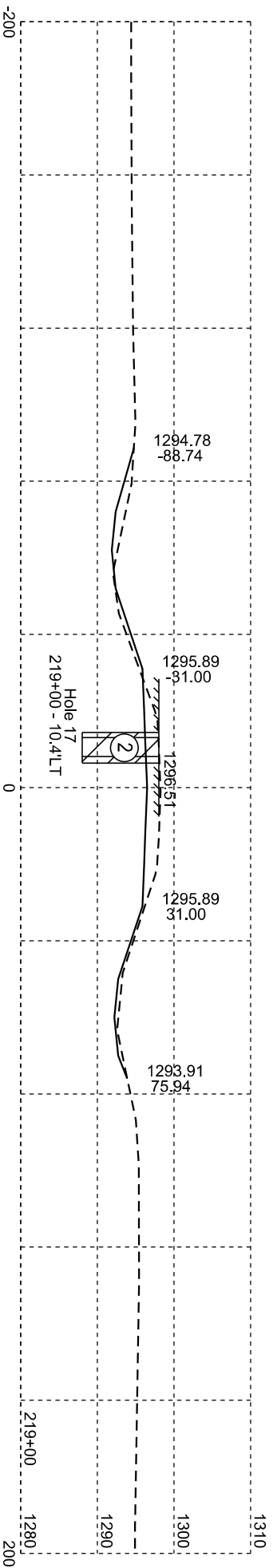
Muck

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 12	X57



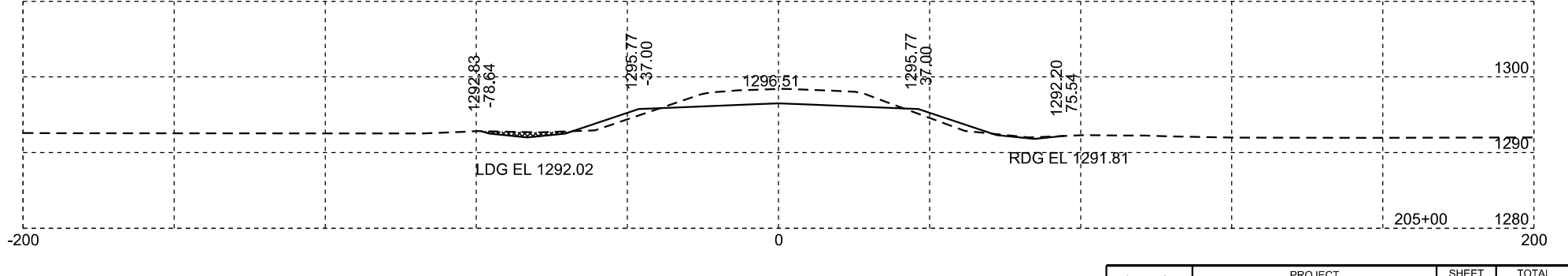
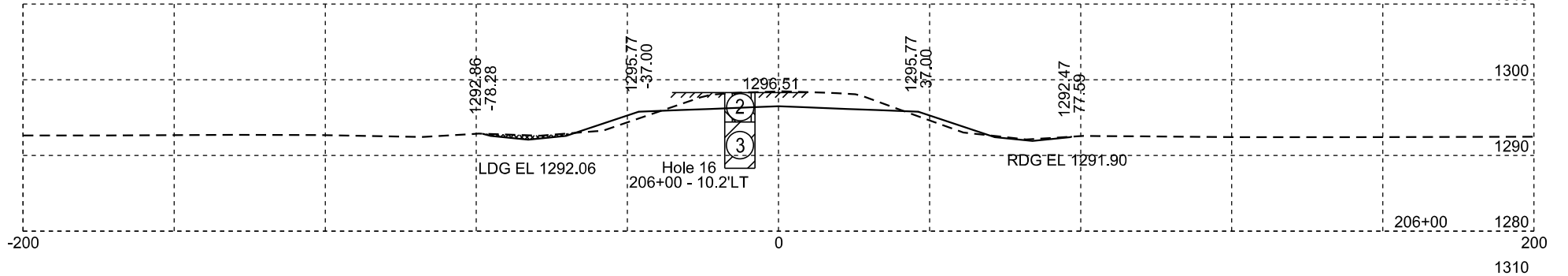
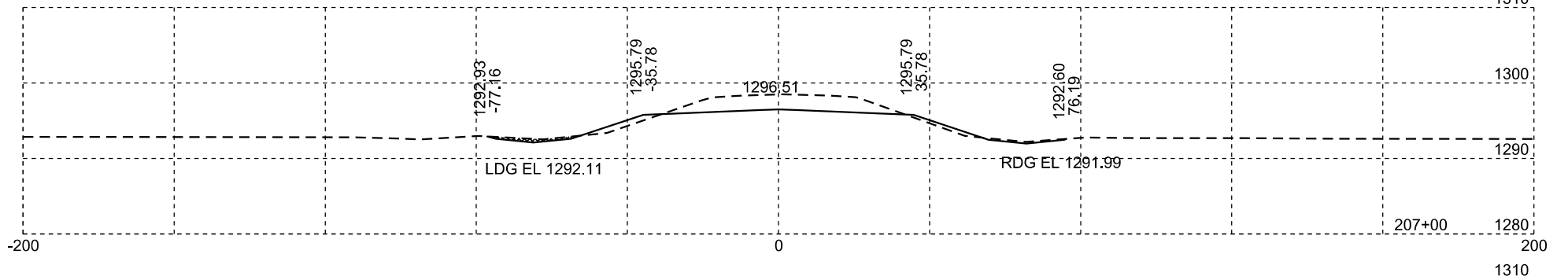
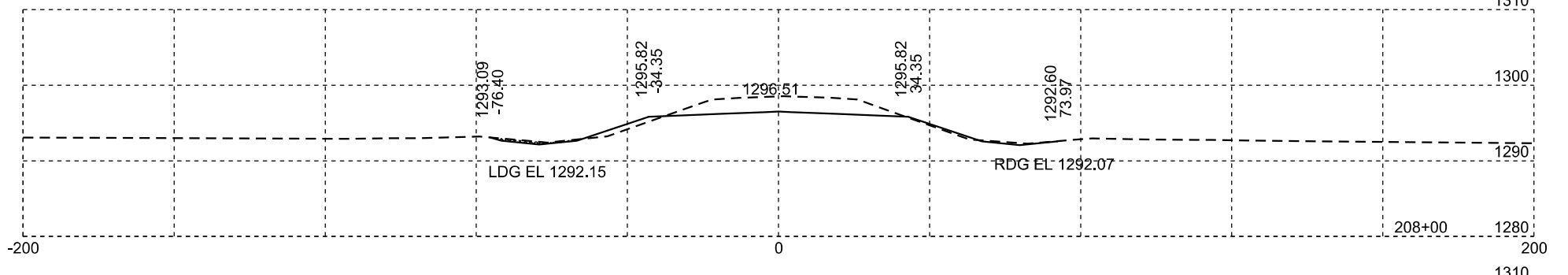
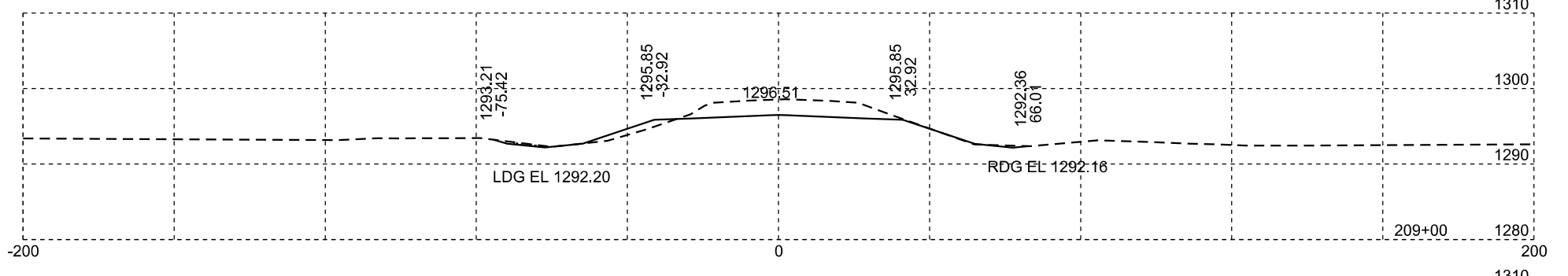
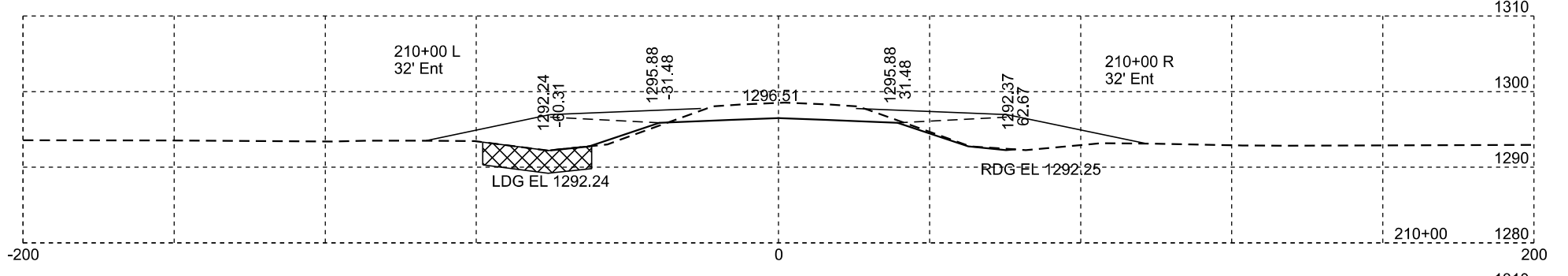
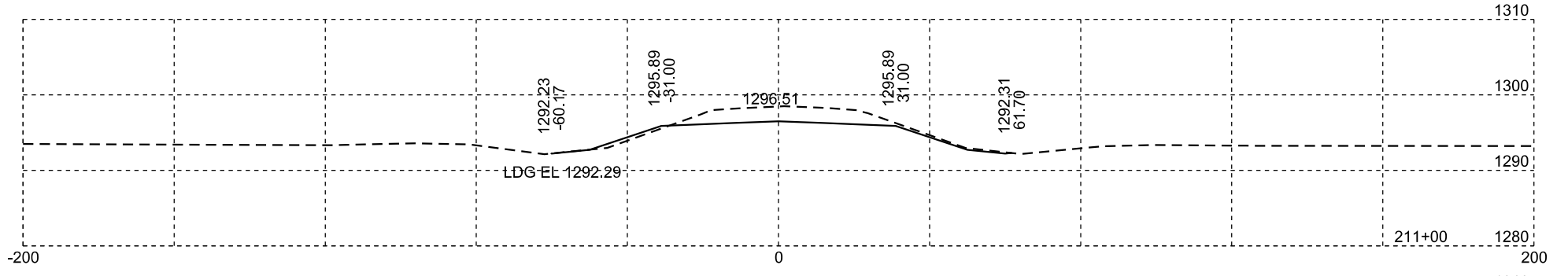
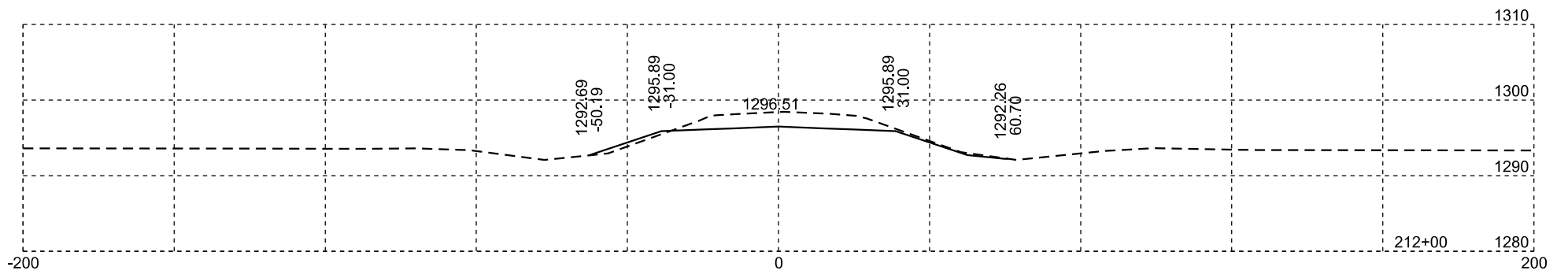
Muck Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 13	X57



Plotting Date: 11/05/2024

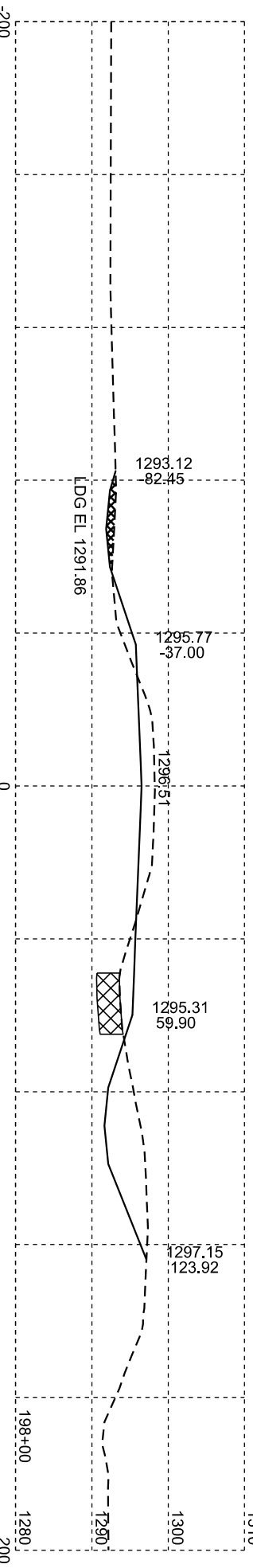
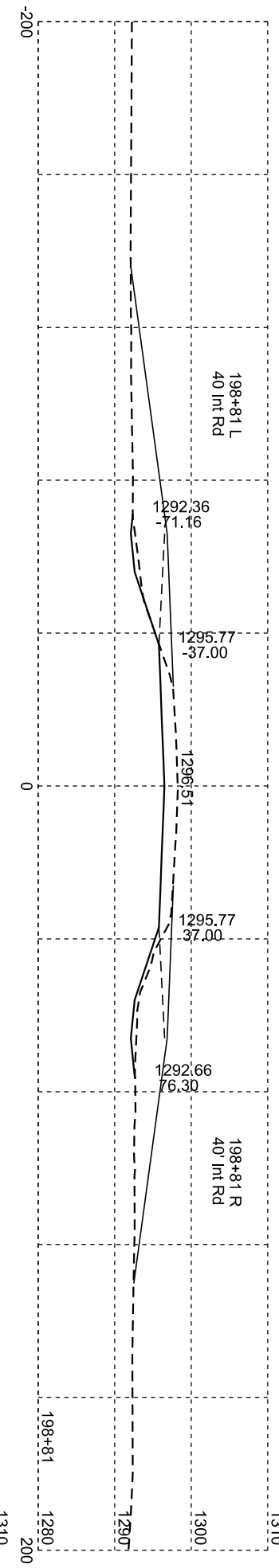
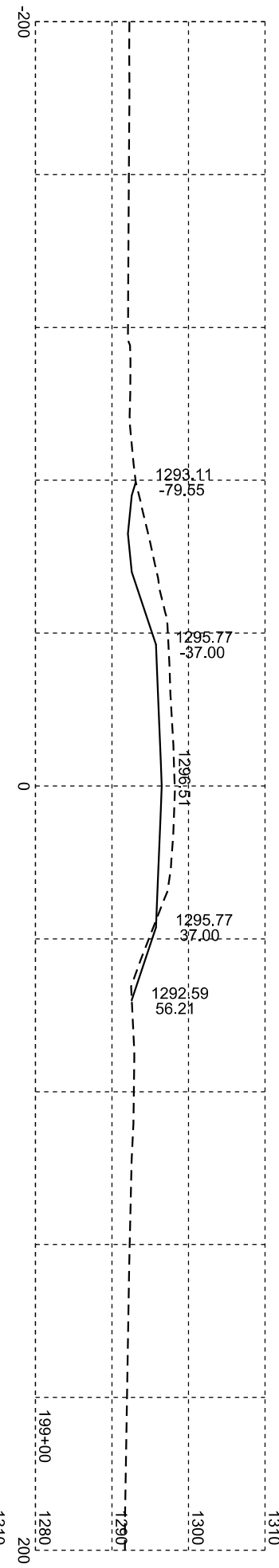
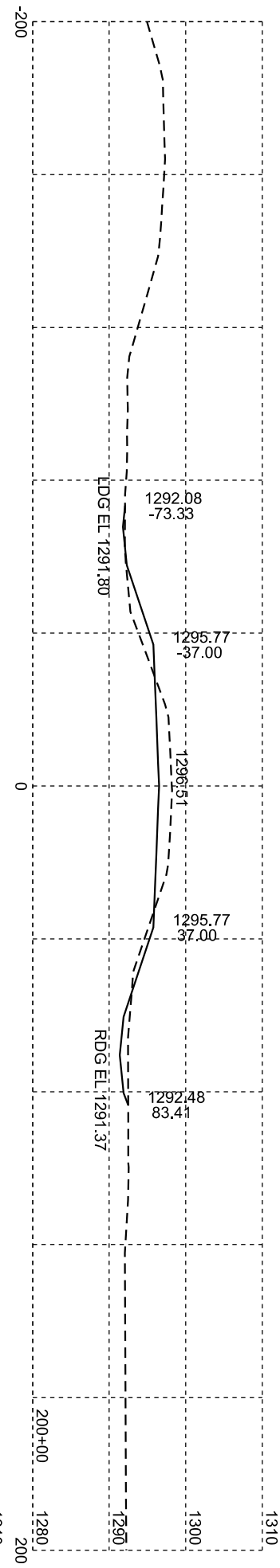
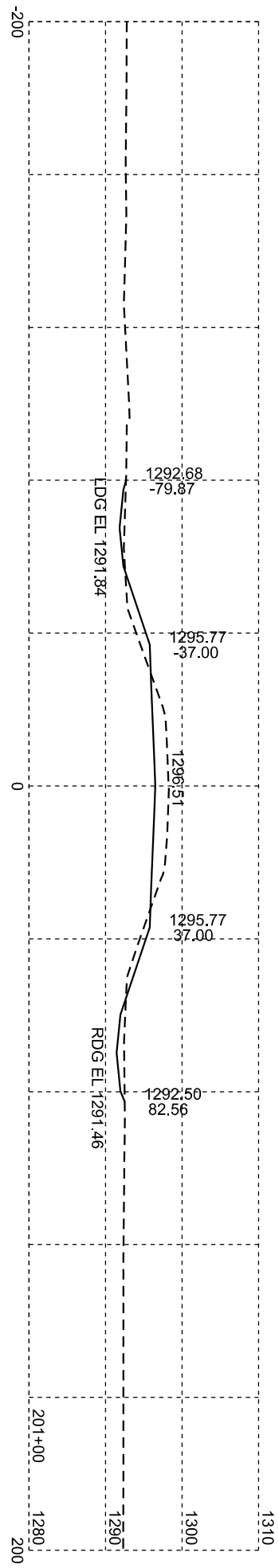
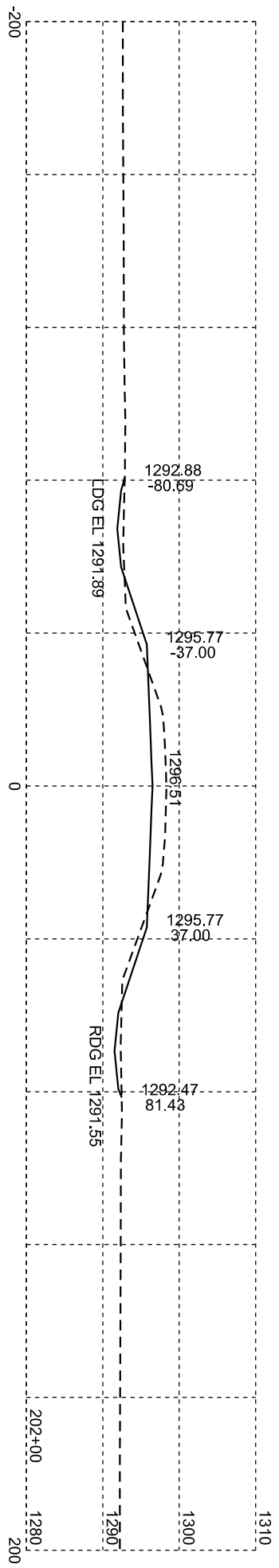
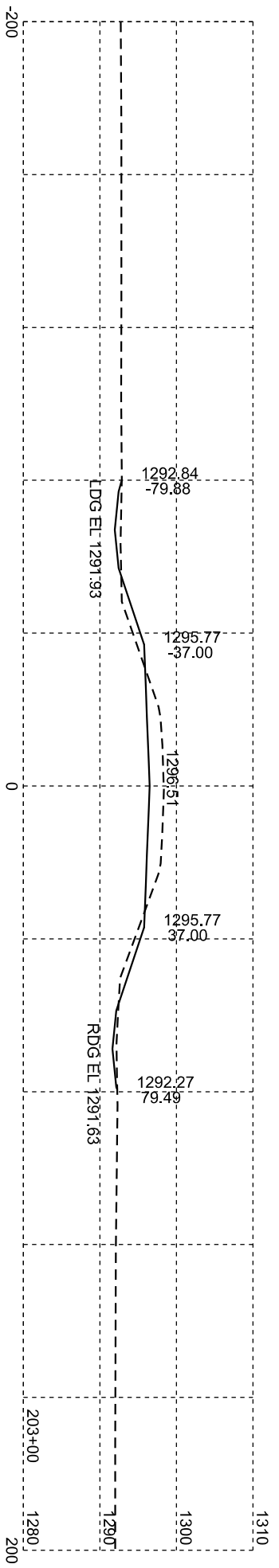
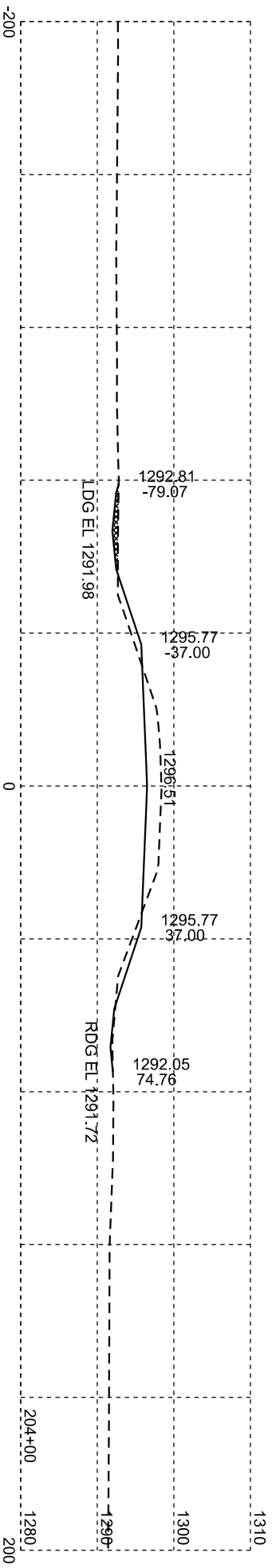
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 14	X 57



Muck

Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 15	X57



Muck

Plotting Date: 11/05/2024

11/05/2024

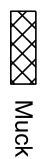
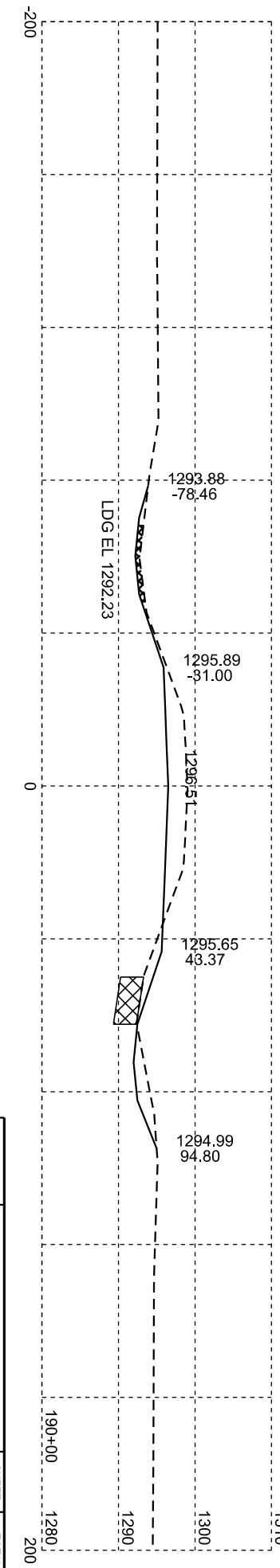
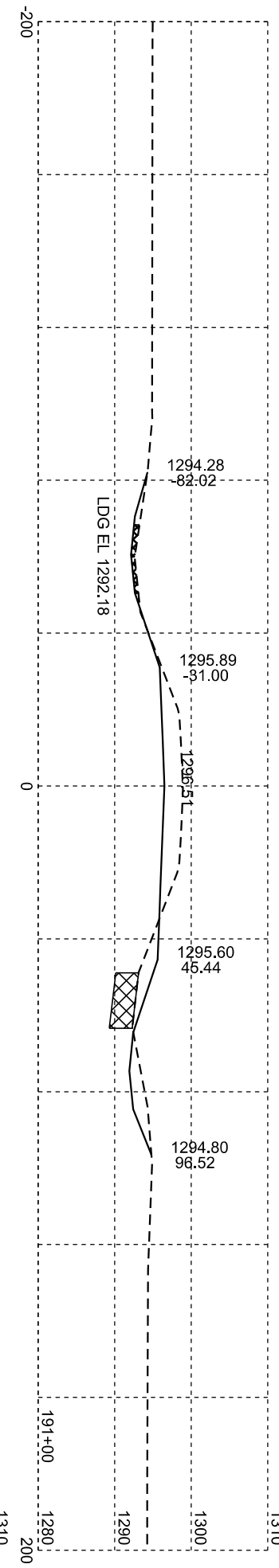
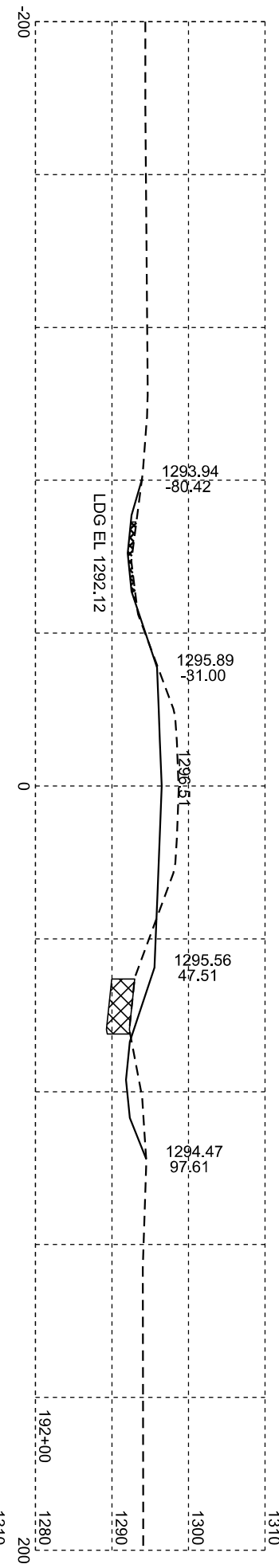
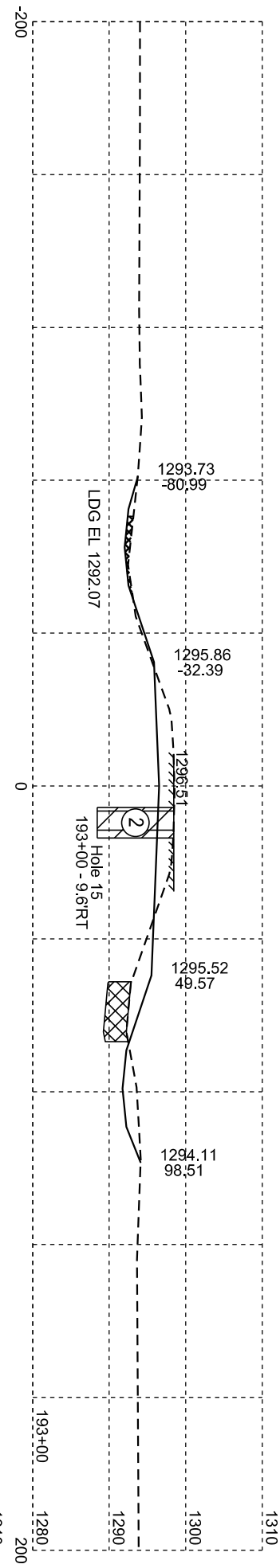
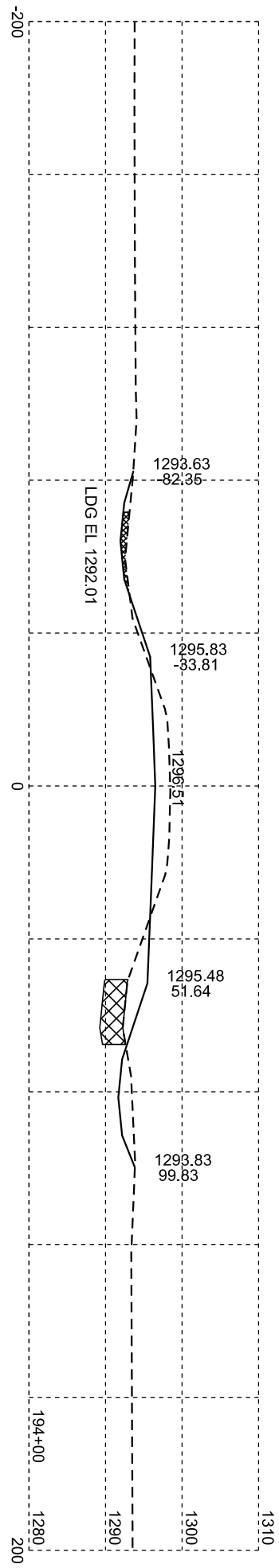
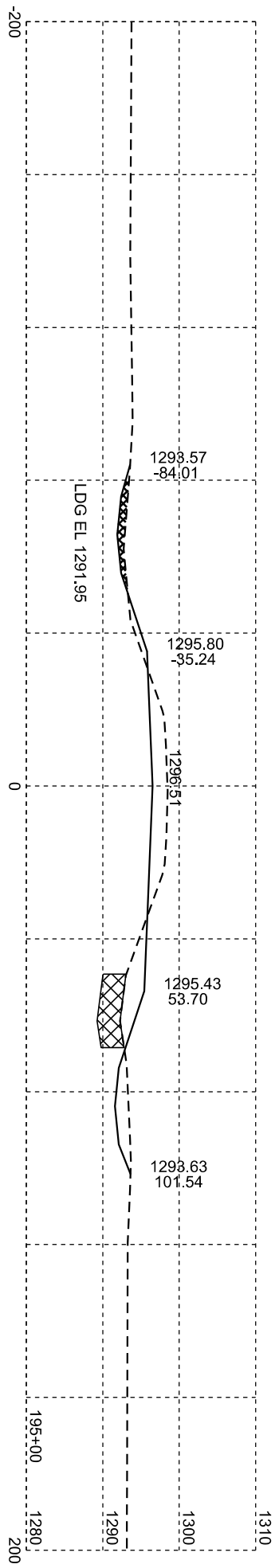
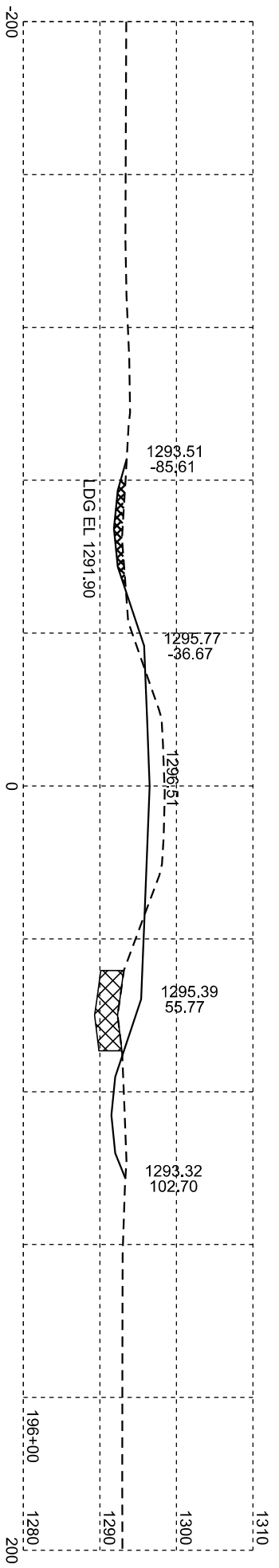
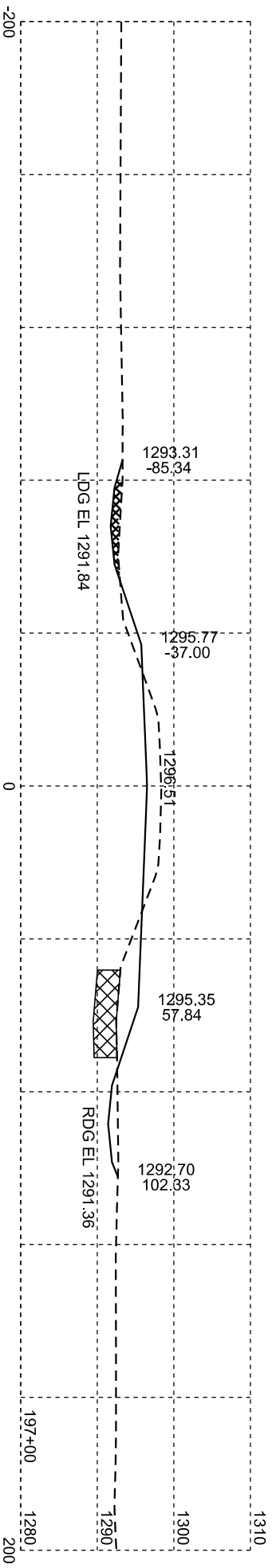
STATE OF SOUTH DAKOTA

PROJECT NH 0212(206)313

SHEET NO. X 16

TOTAL SHEETS X57





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Plotting Date:

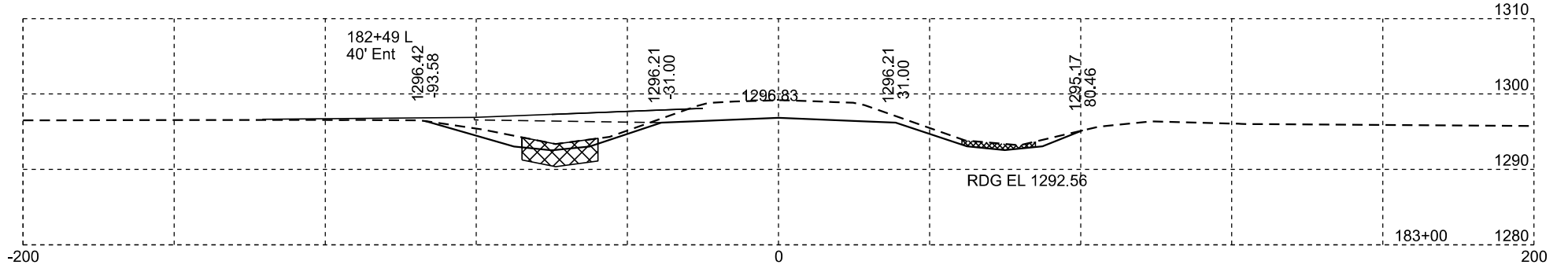
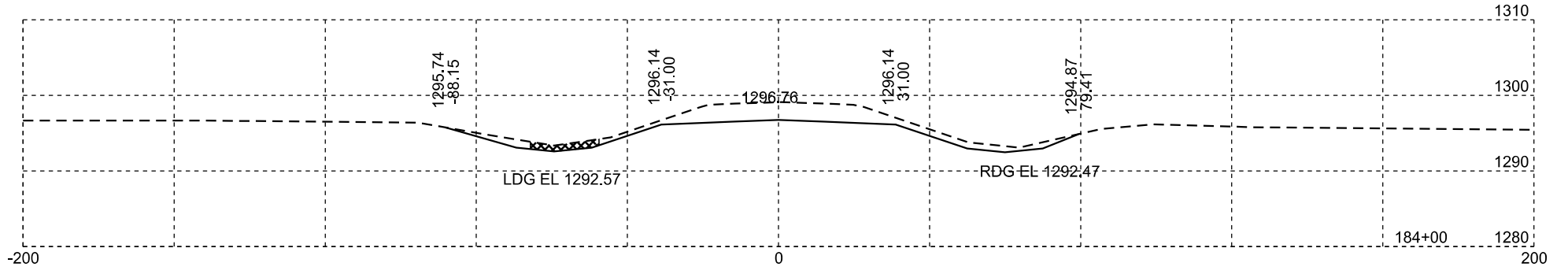
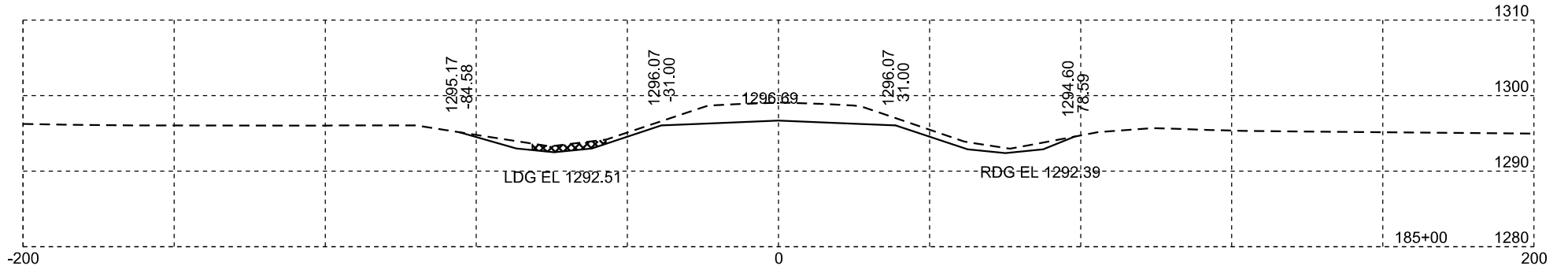
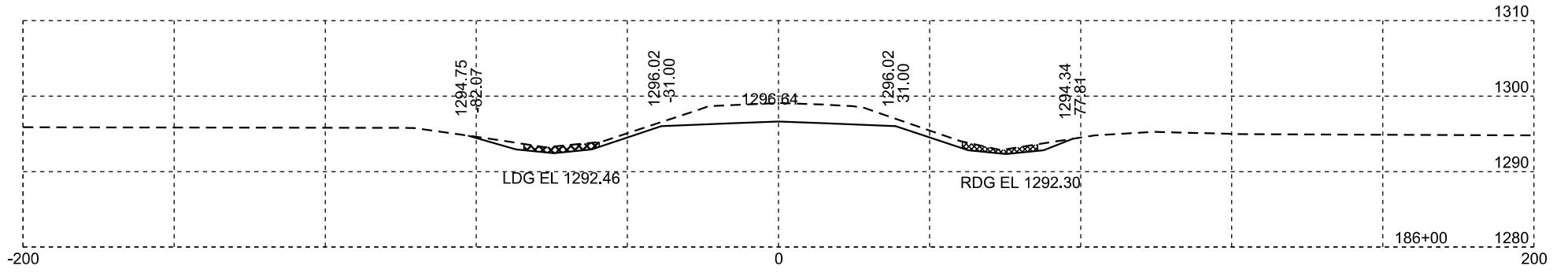
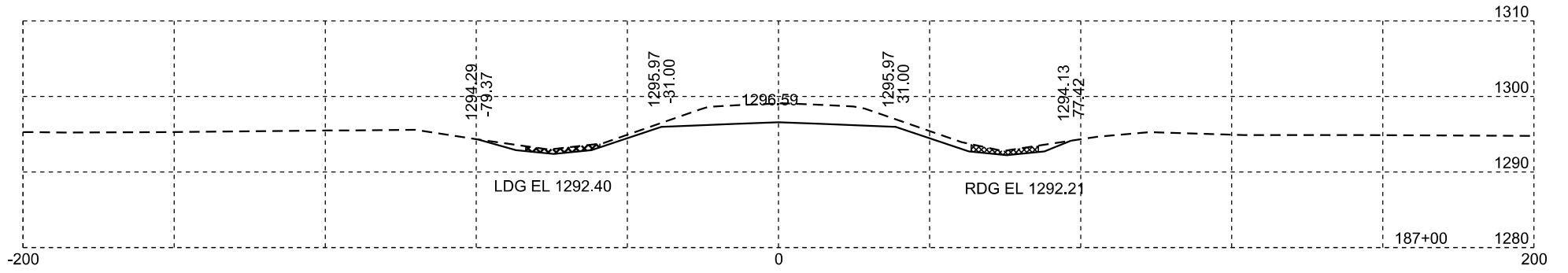
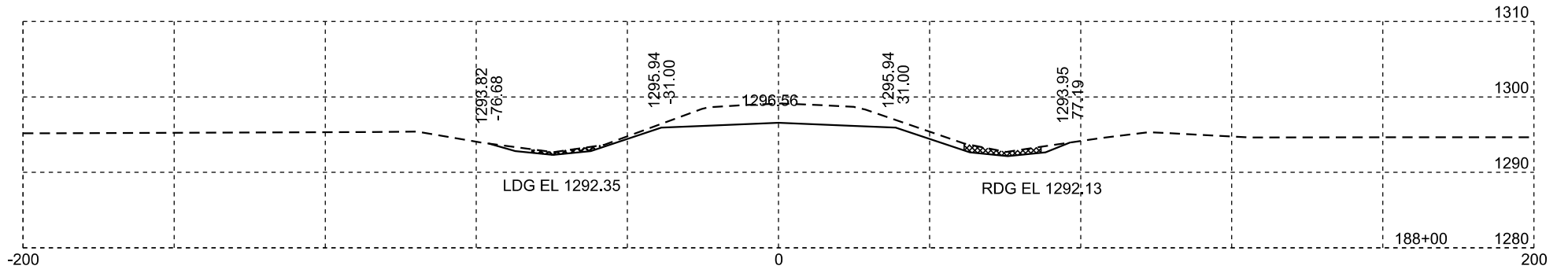
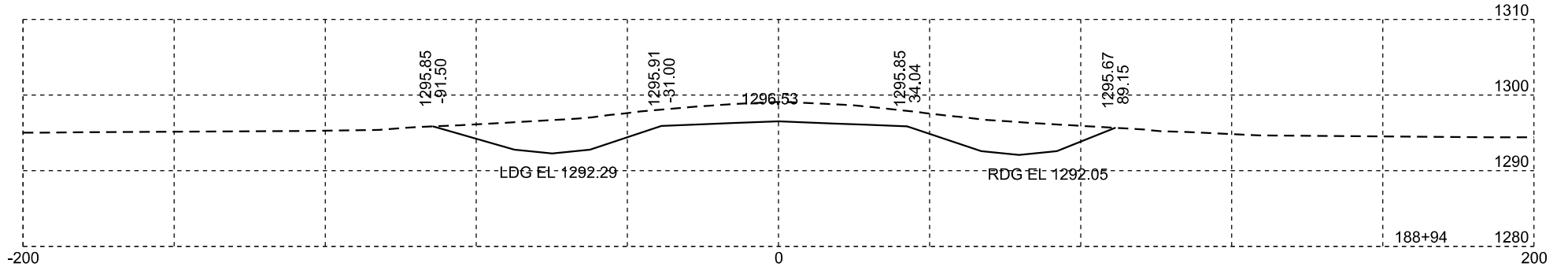
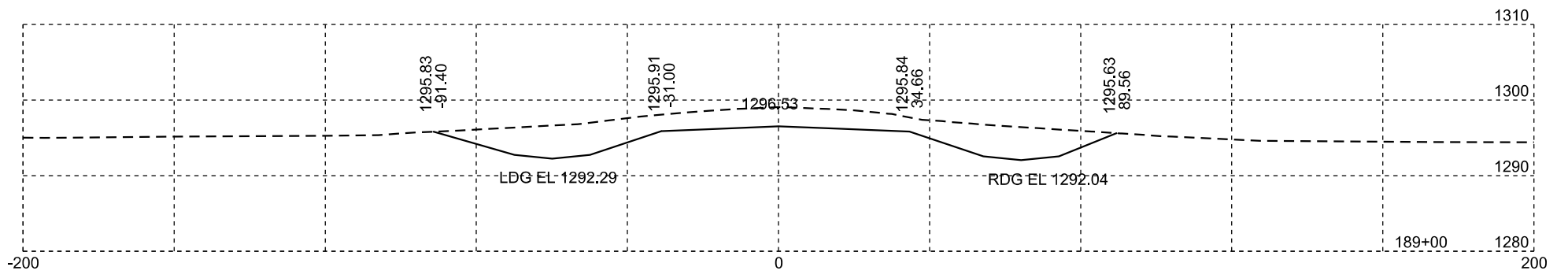
11/05/2024


STATE OF  
SOUTH  
DAKOTA

PROJECT  
NH 0212(206)313

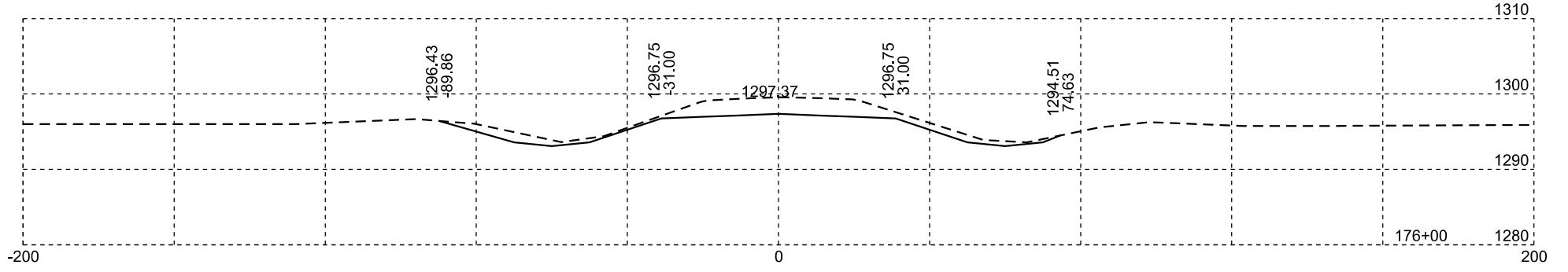
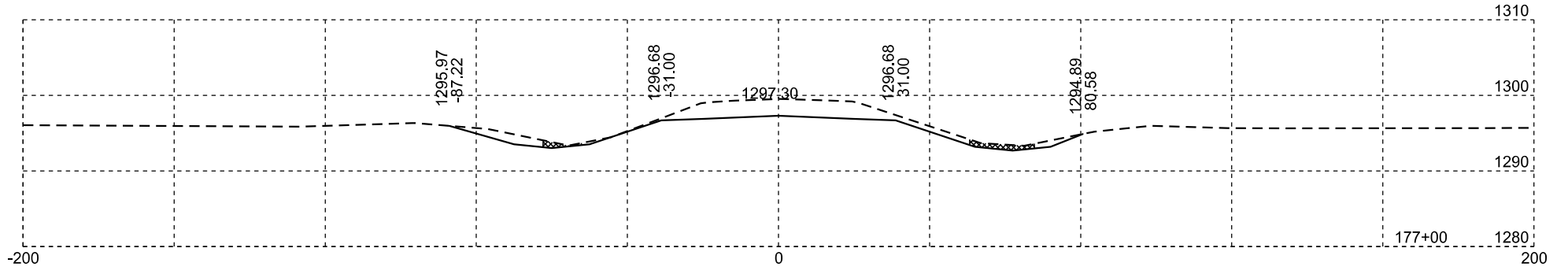
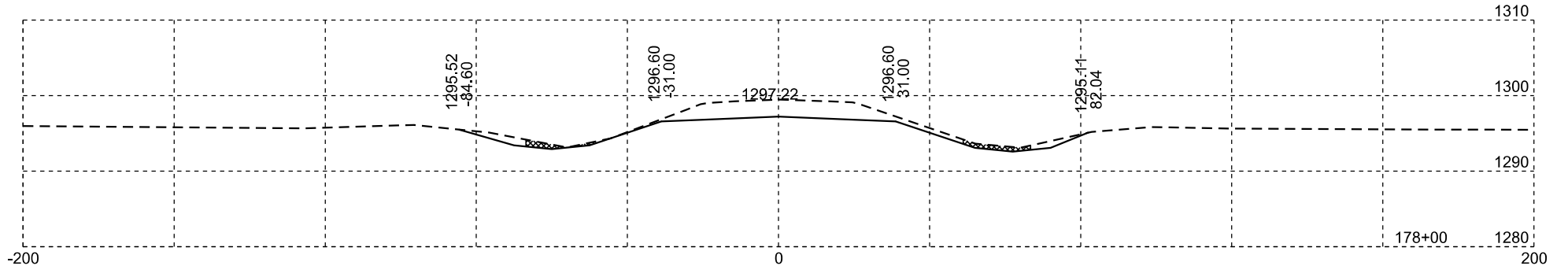
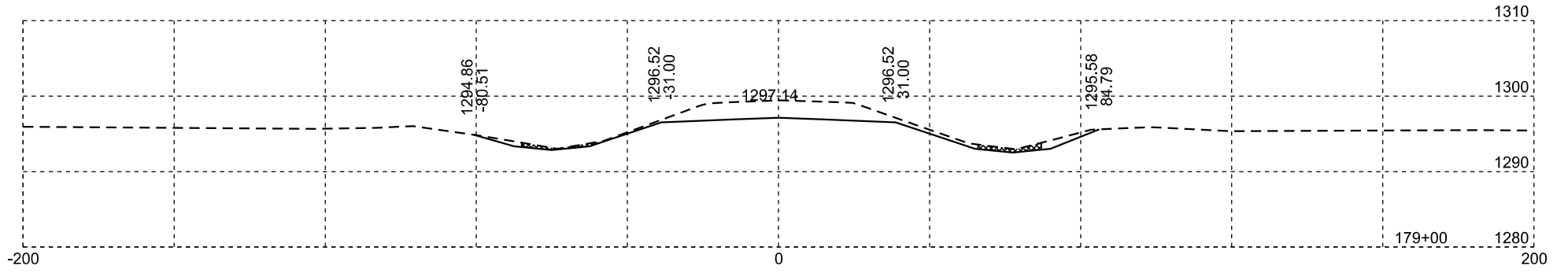
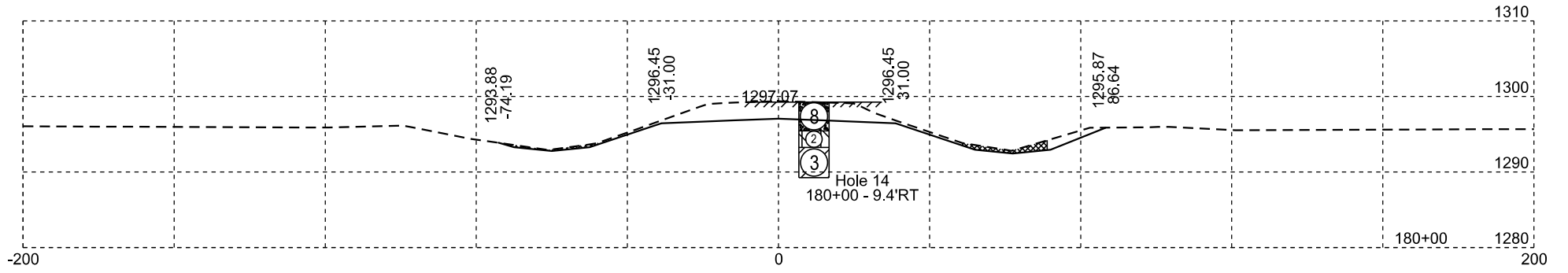
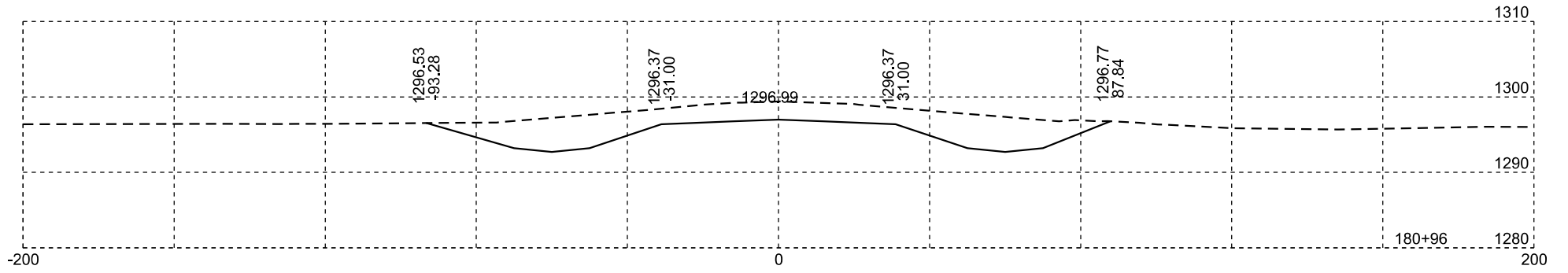
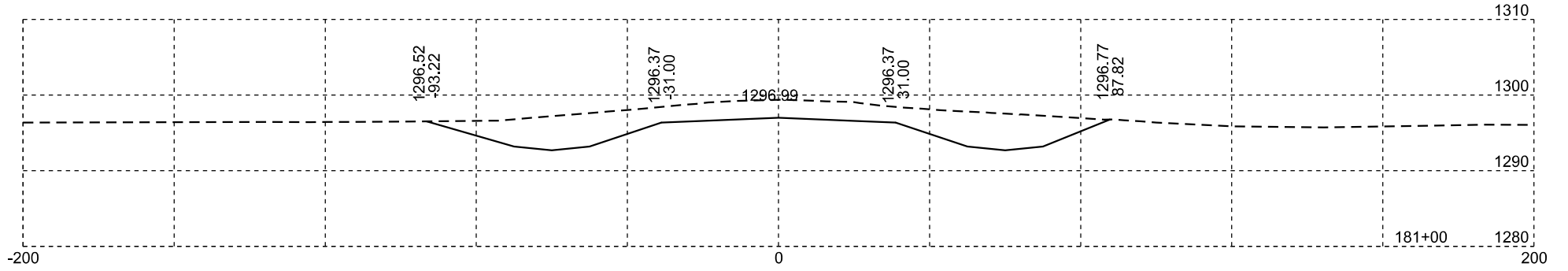
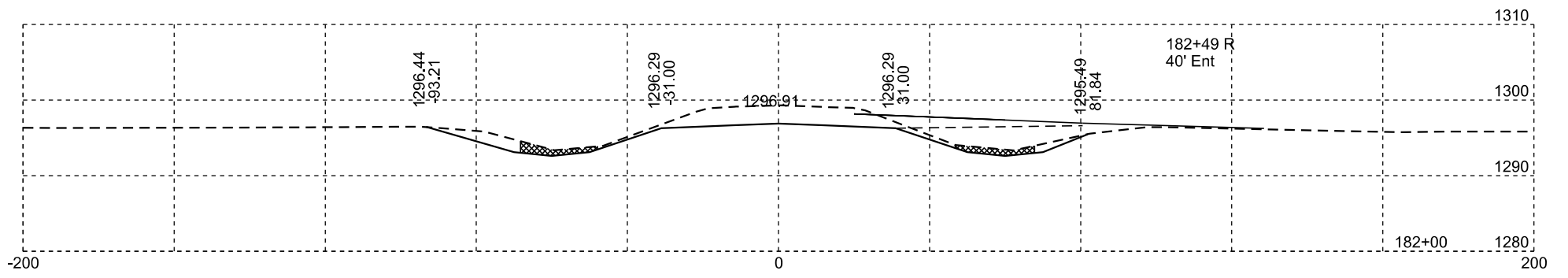
SHEET  
NO.  
X 17

TOTAL  
SHEETS  
X57



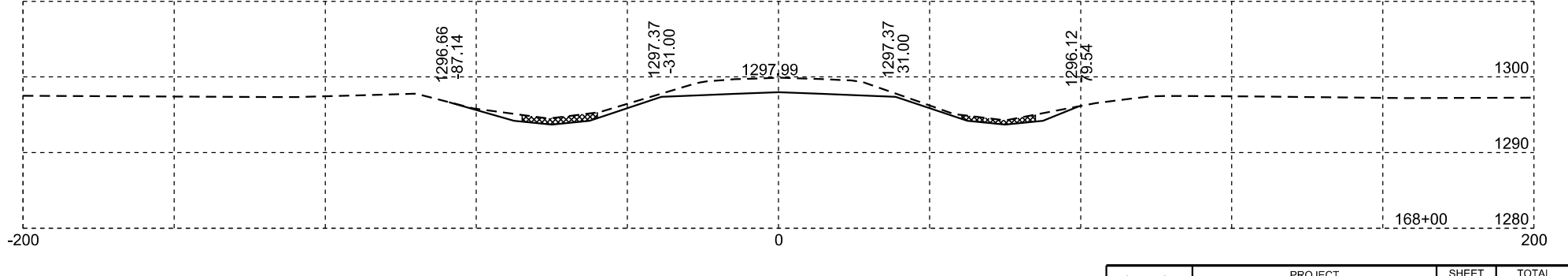
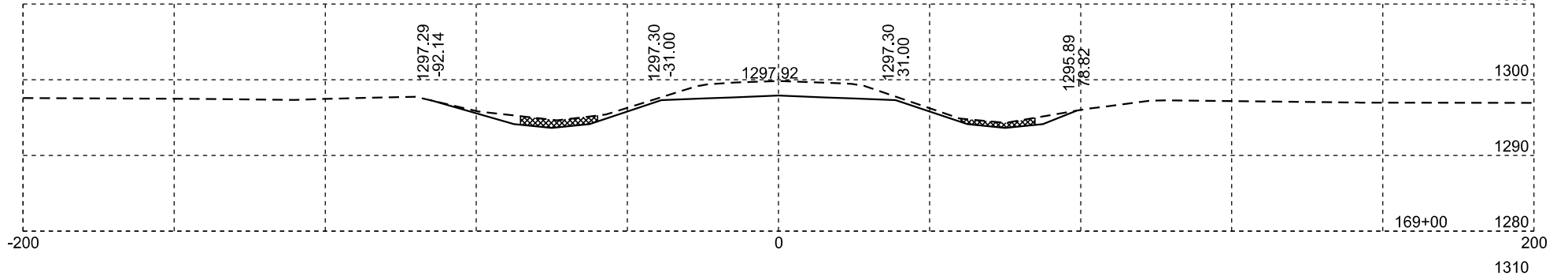
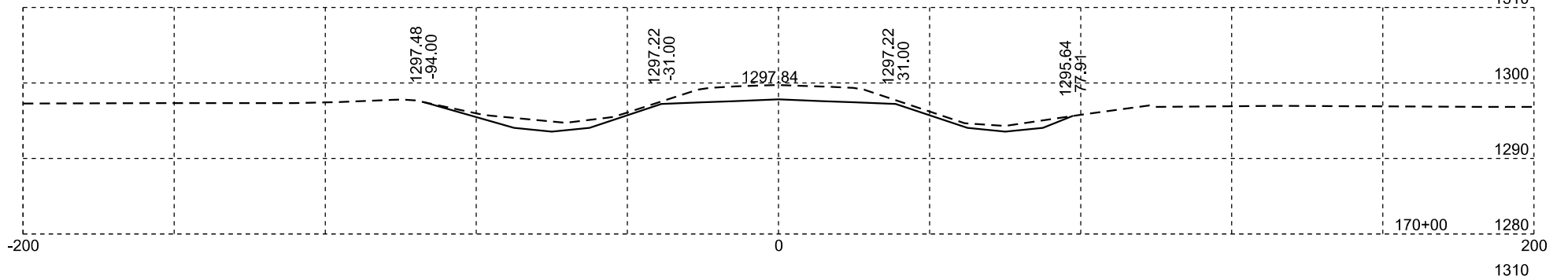
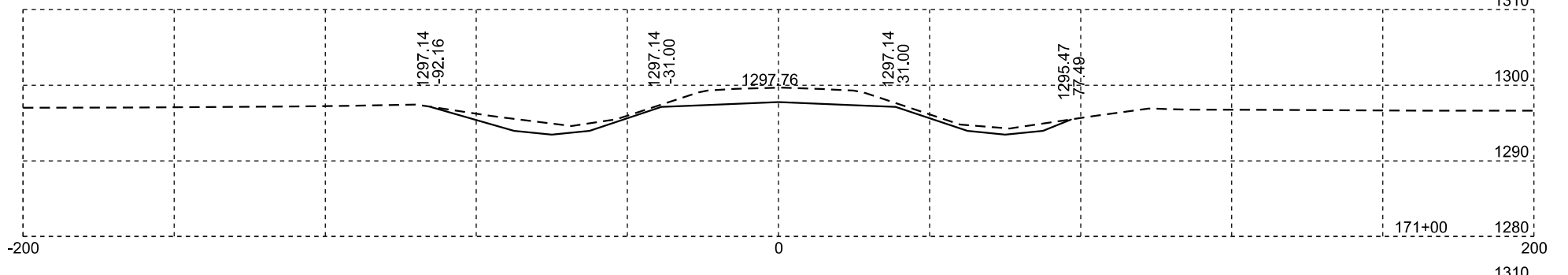
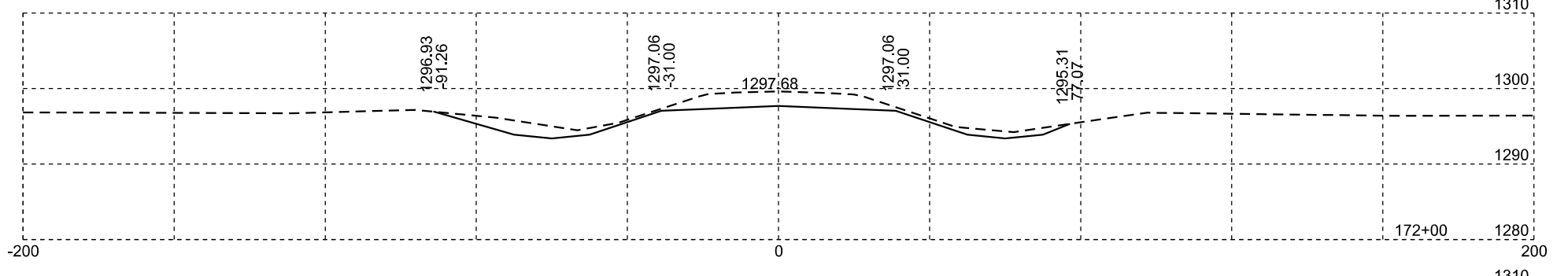
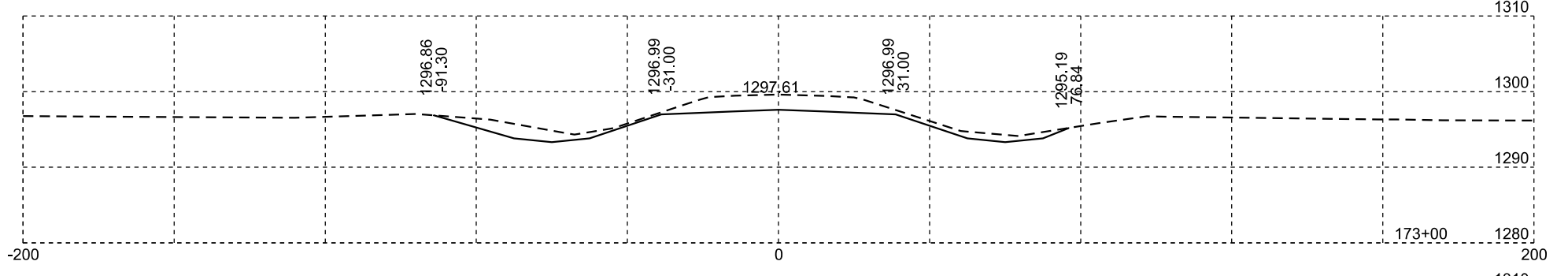
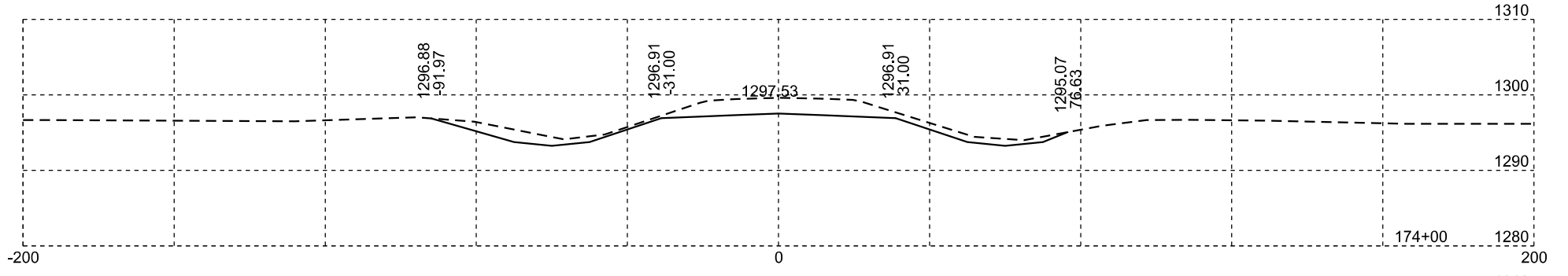
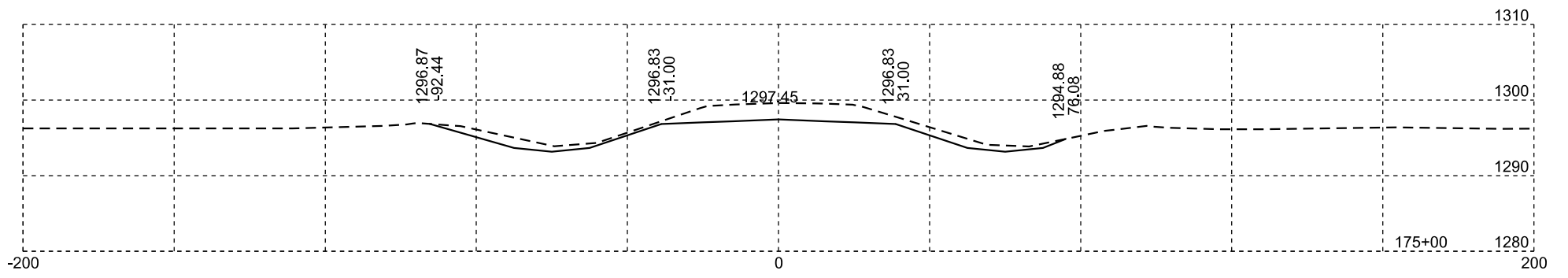
 Muck Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 18	X57



Plotting Date: 11/05/2024

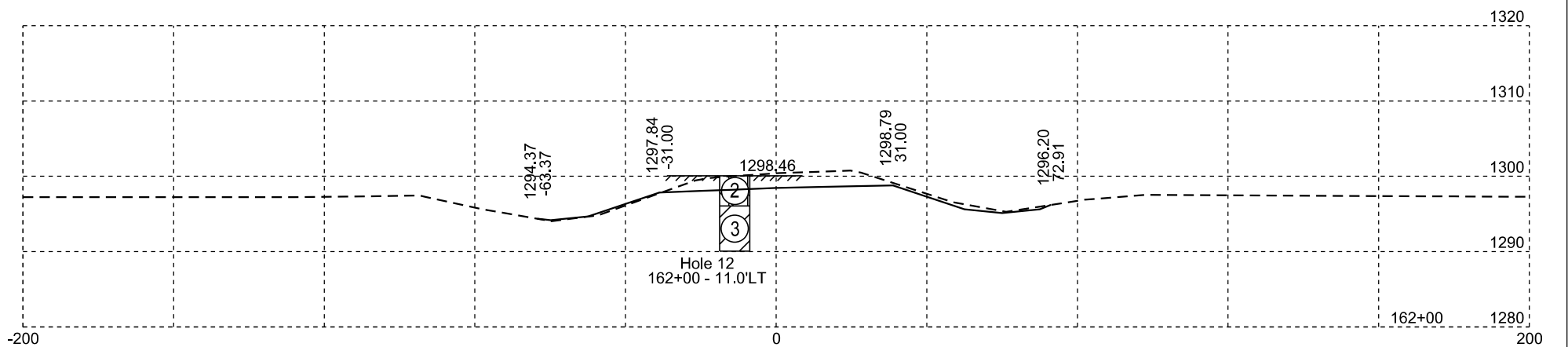
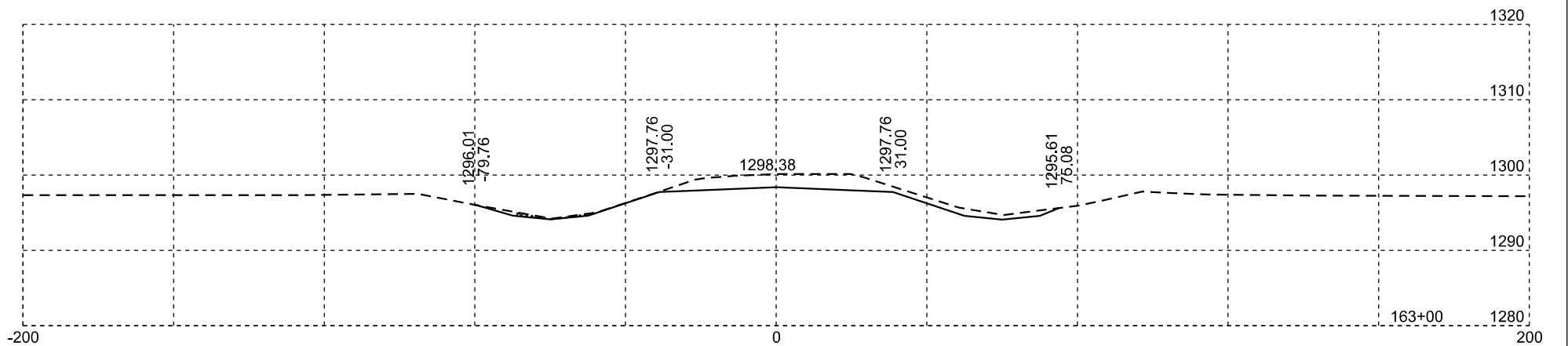
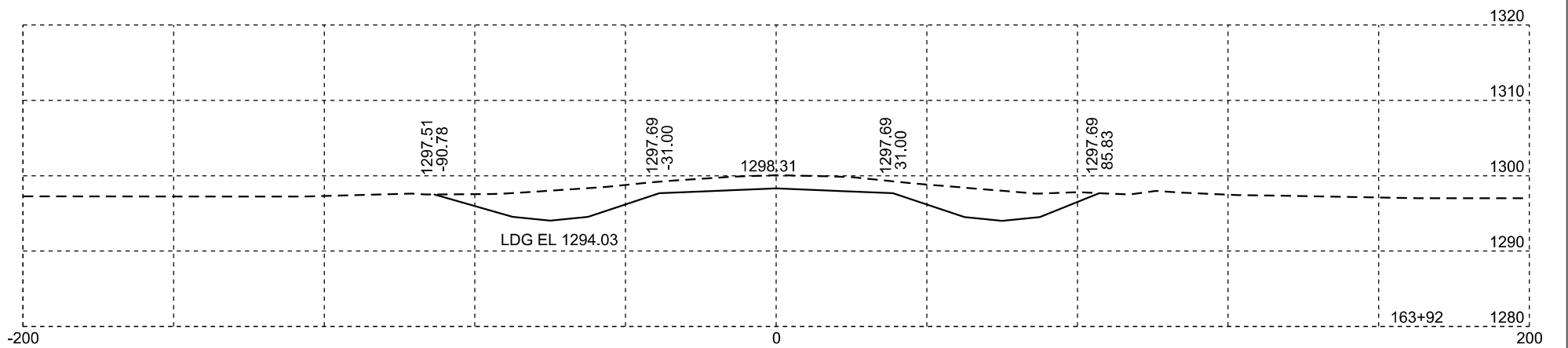
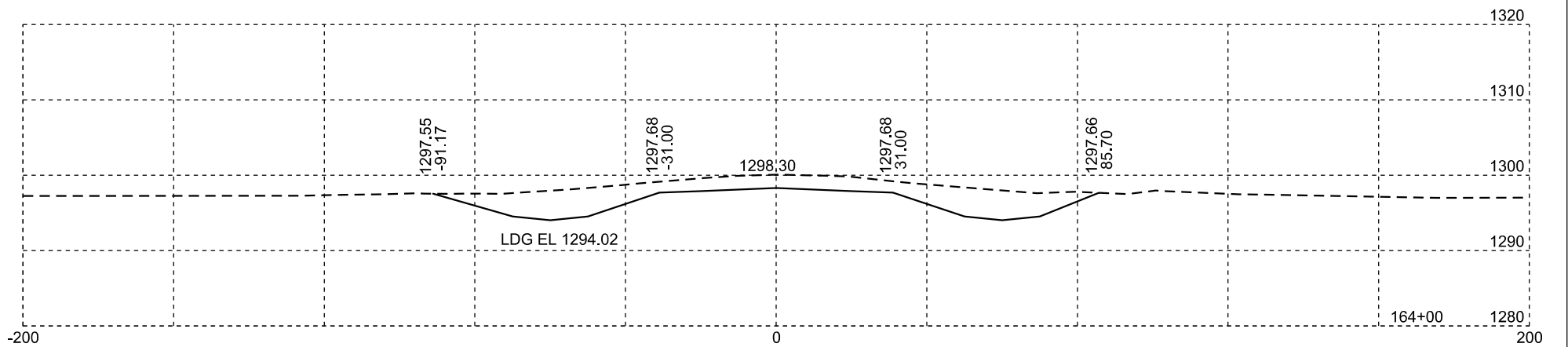
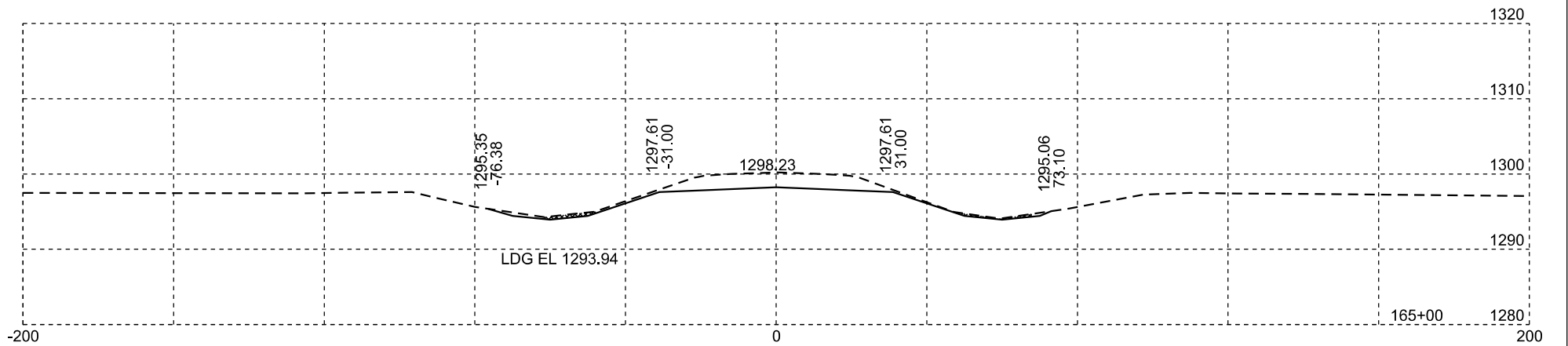
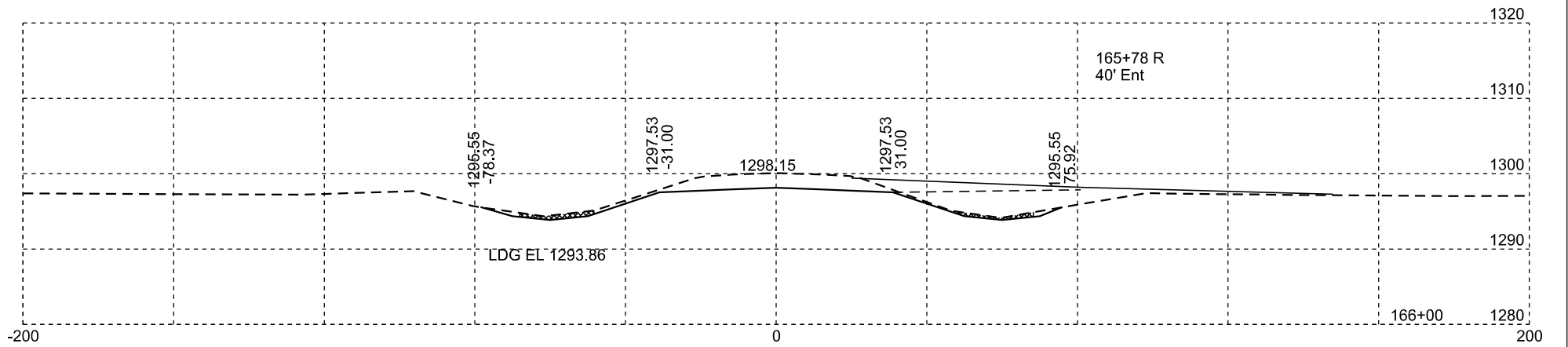
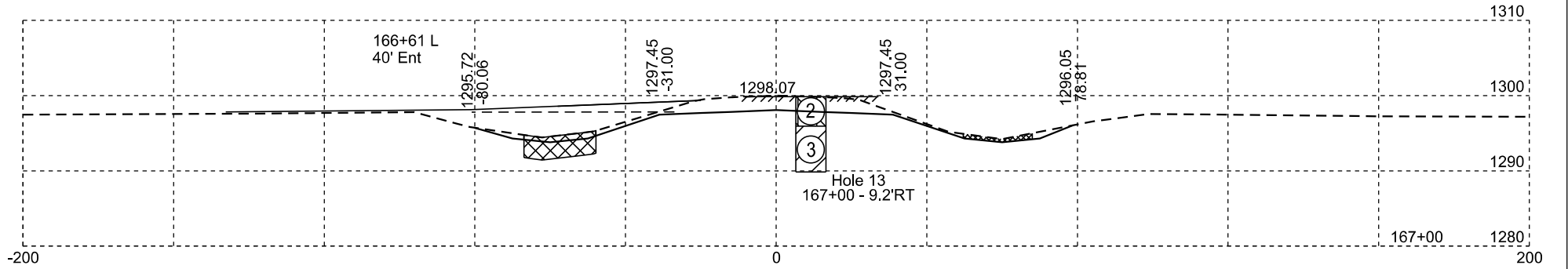
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 19	X57



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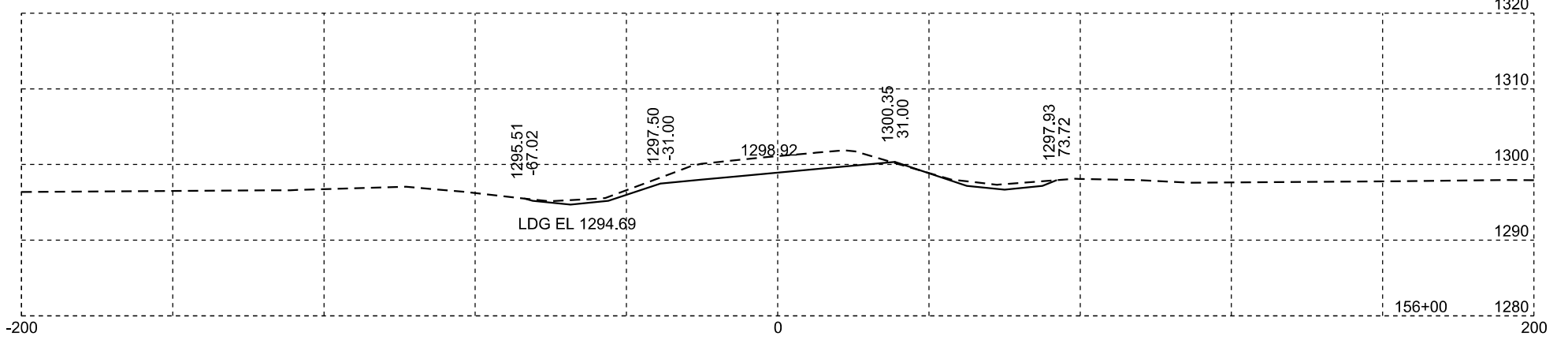
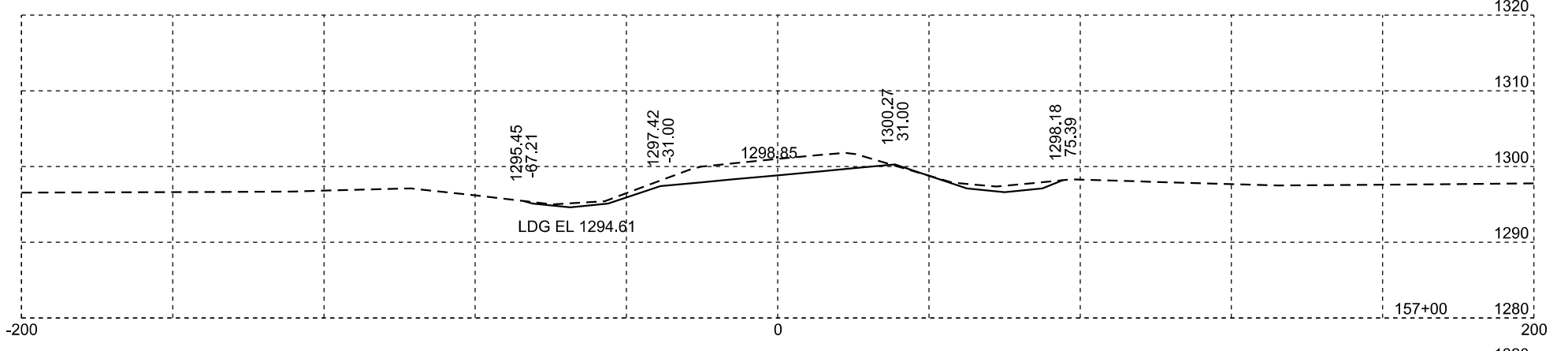
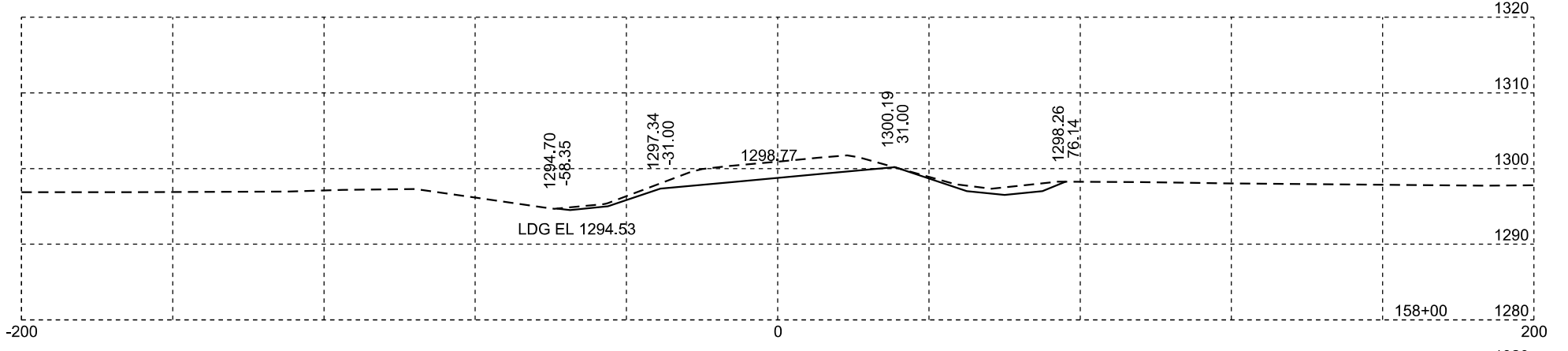
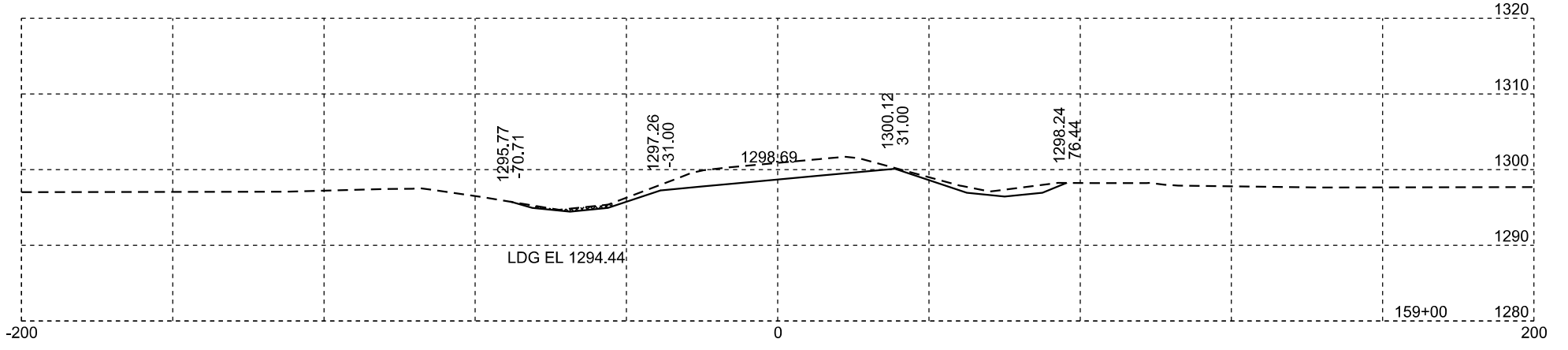
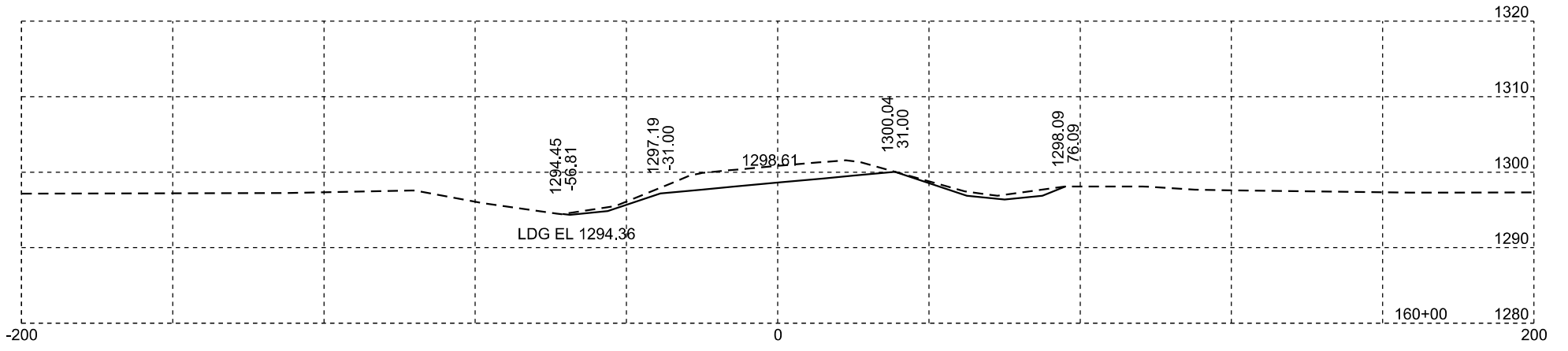
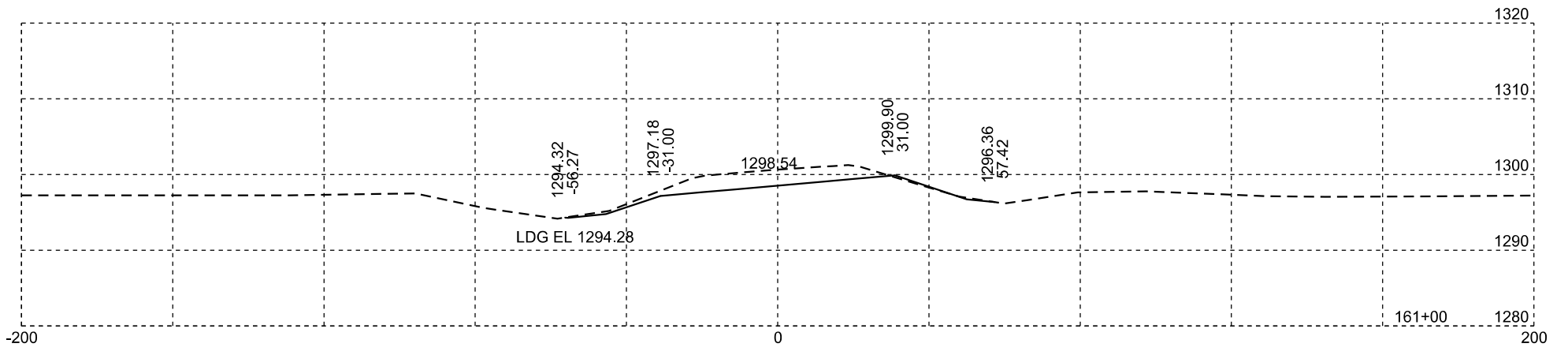
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 20	X 57



Muck Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 21	X57

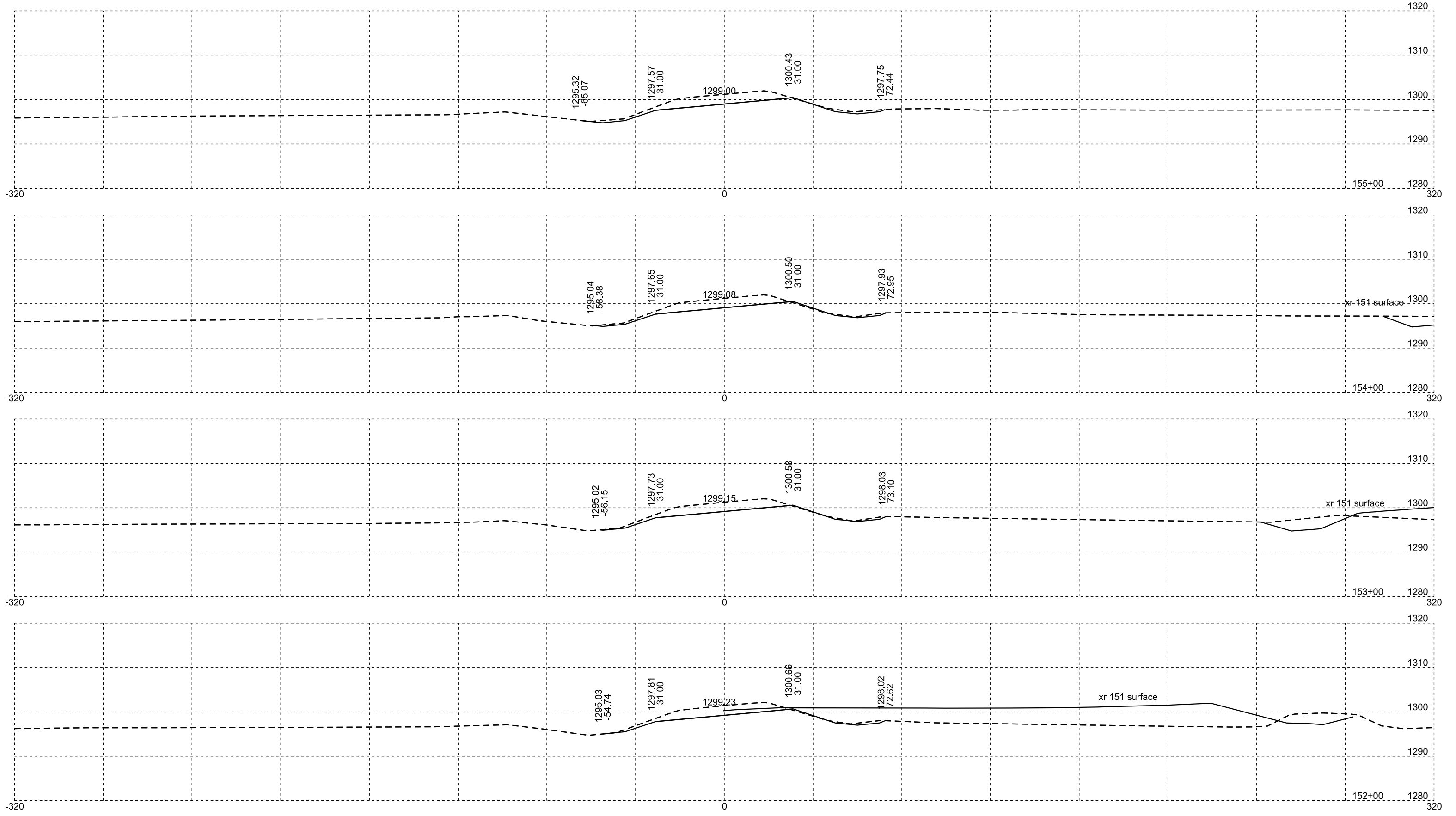


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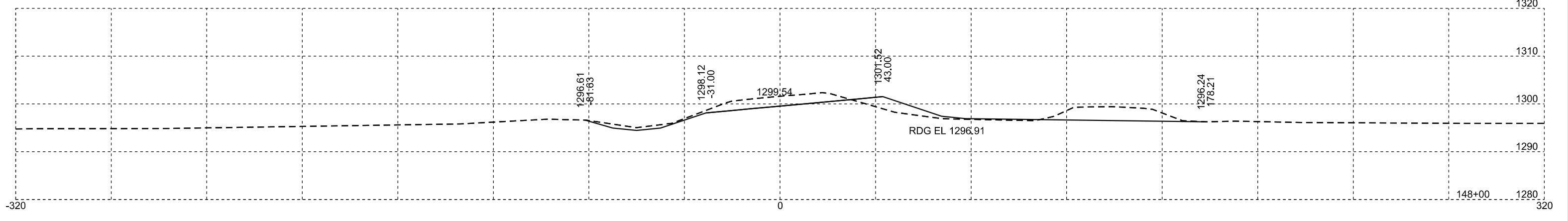
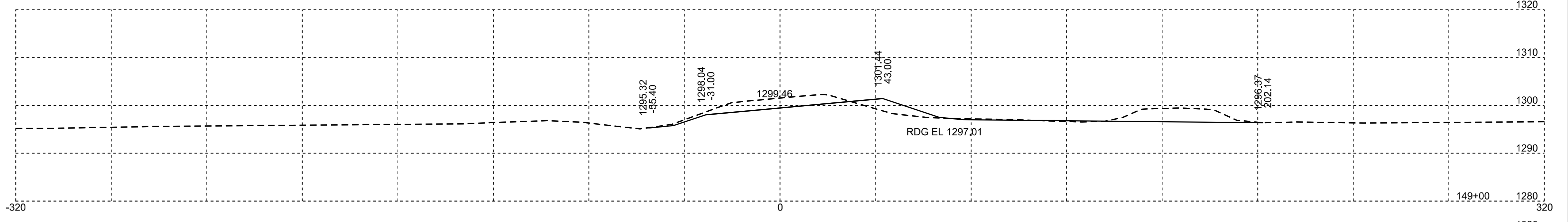
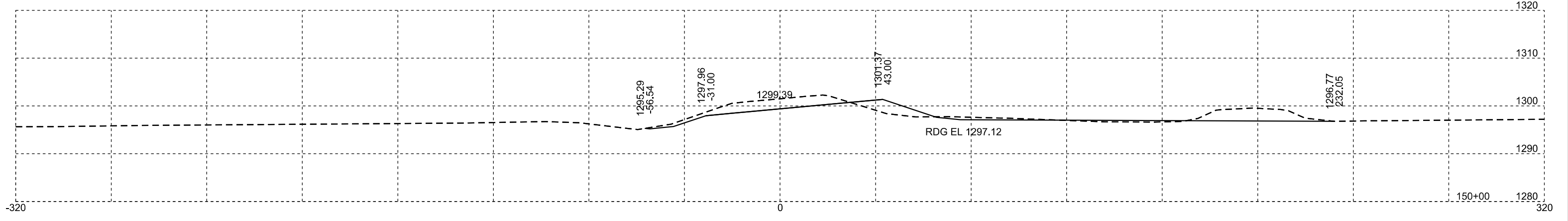
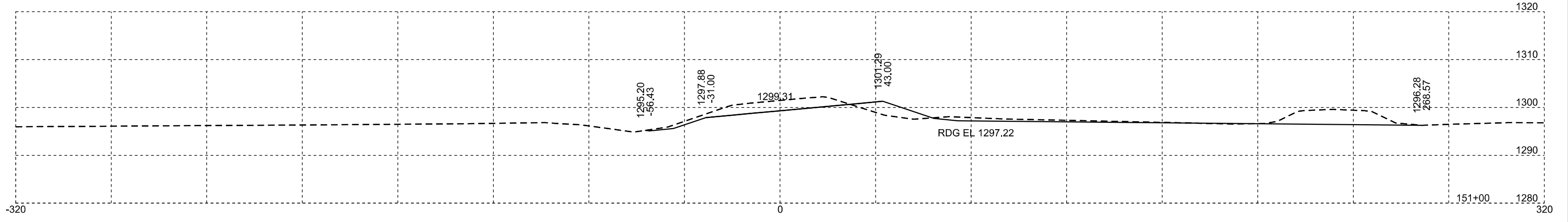
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 22	X57

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0212(206)313	X23	X57

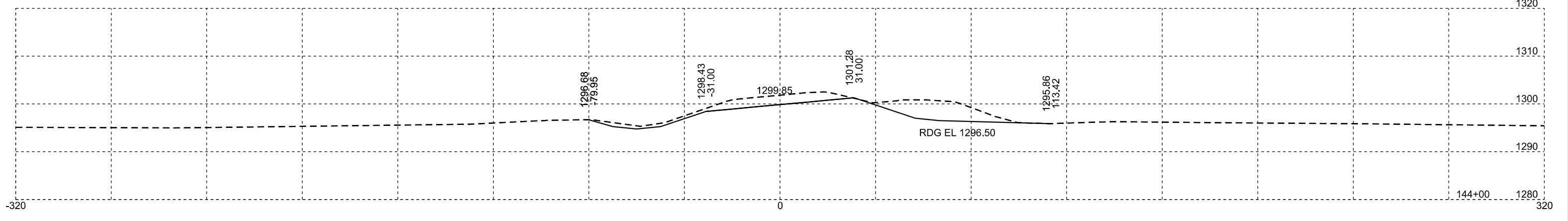
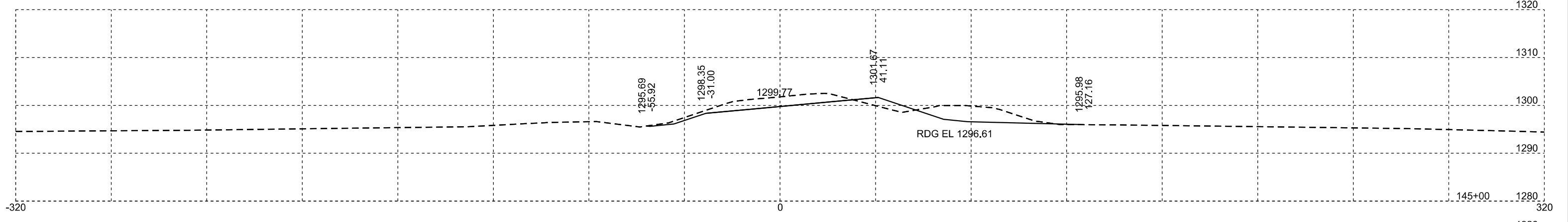
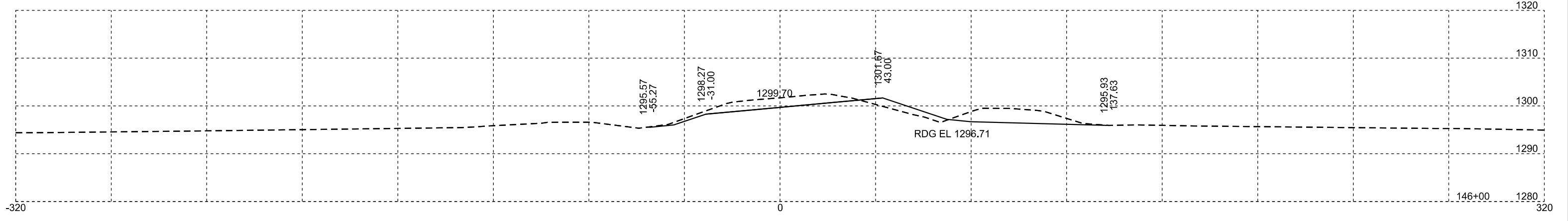
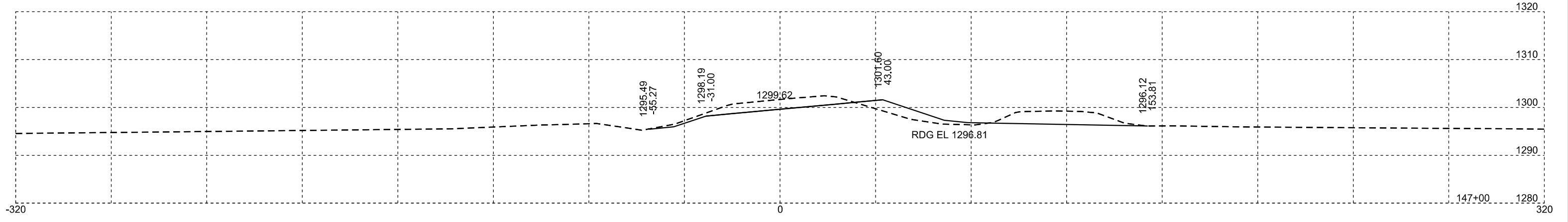


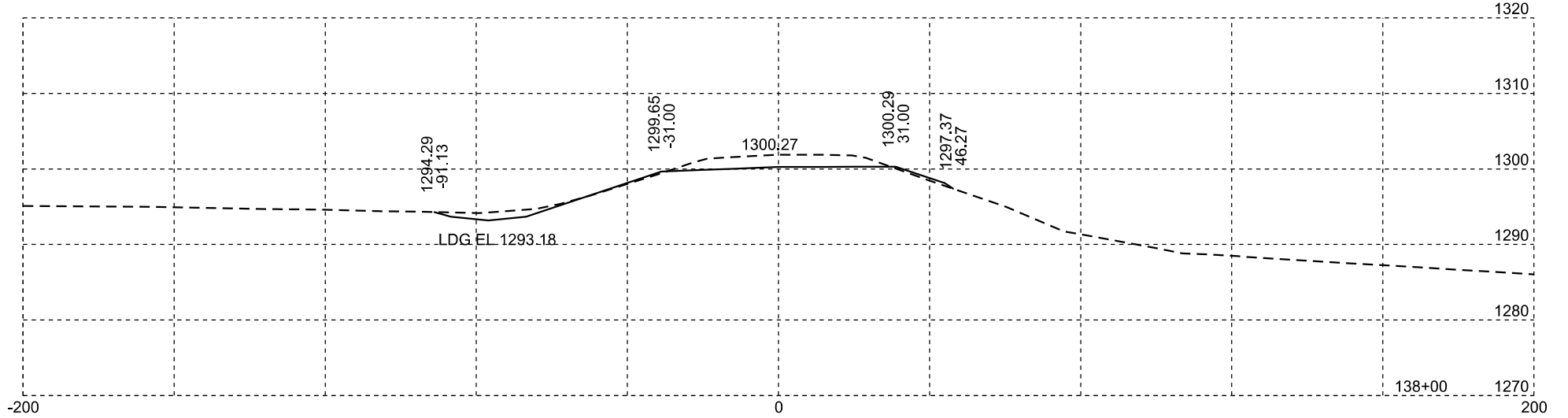
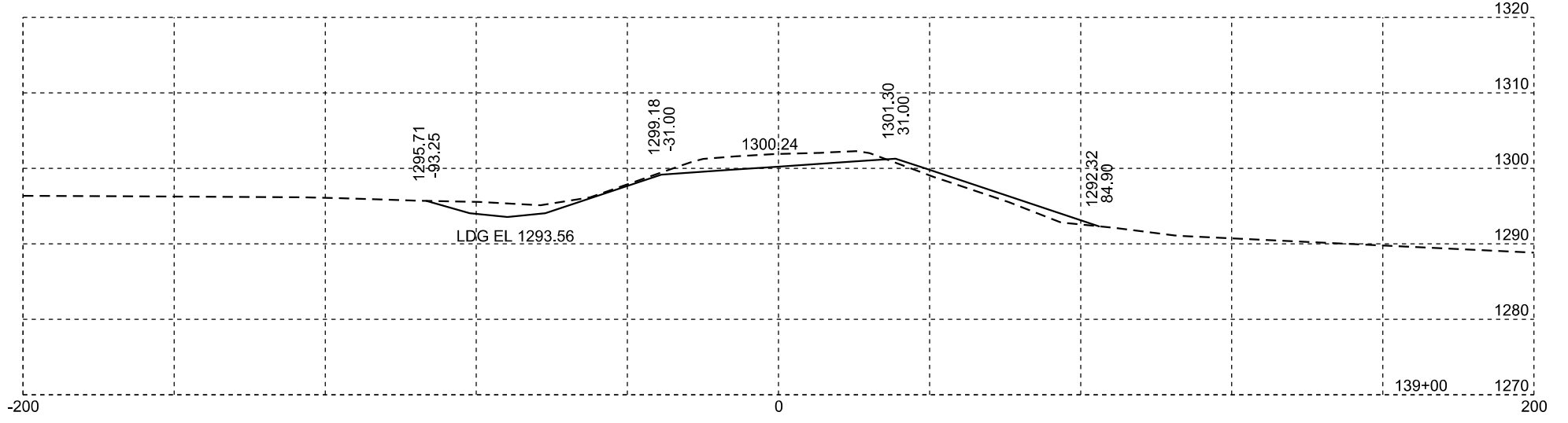
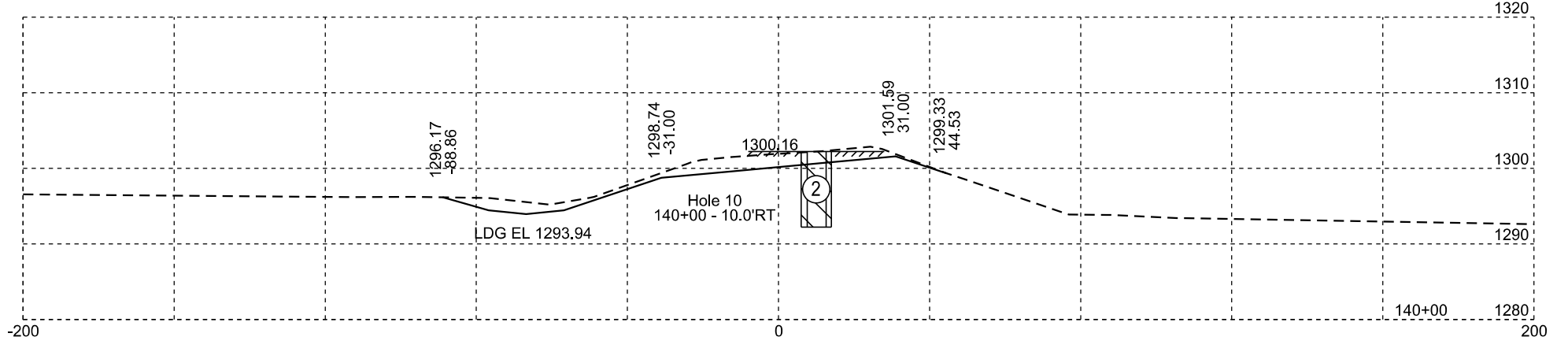
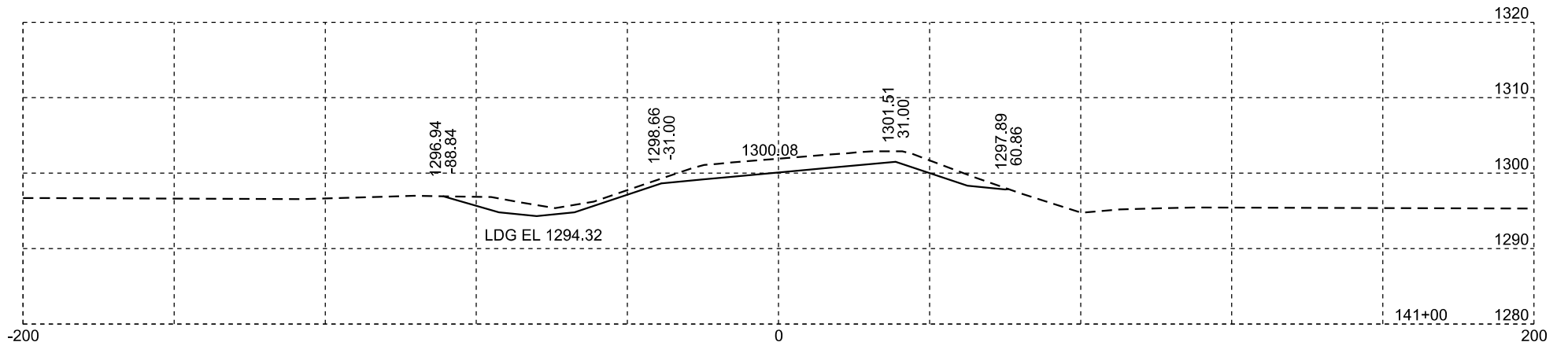
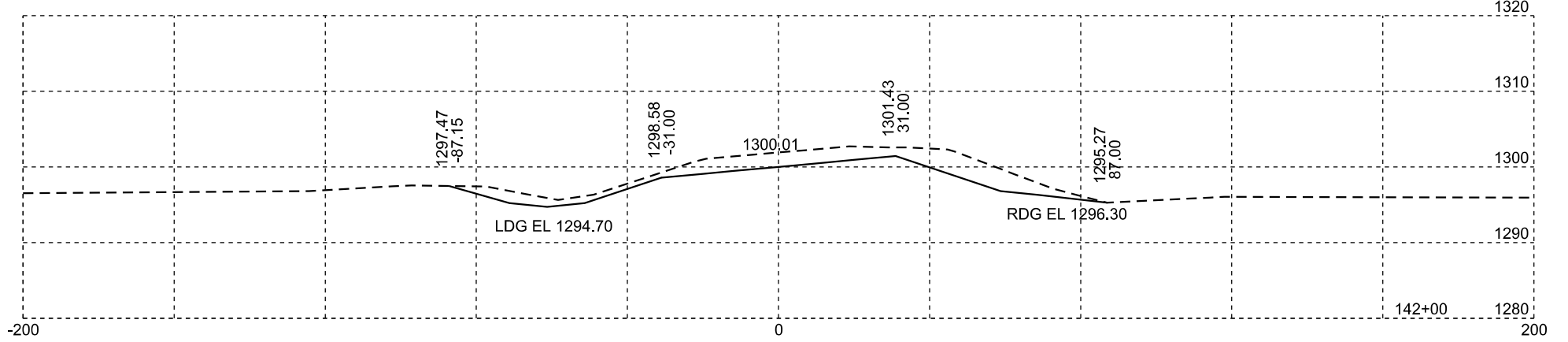
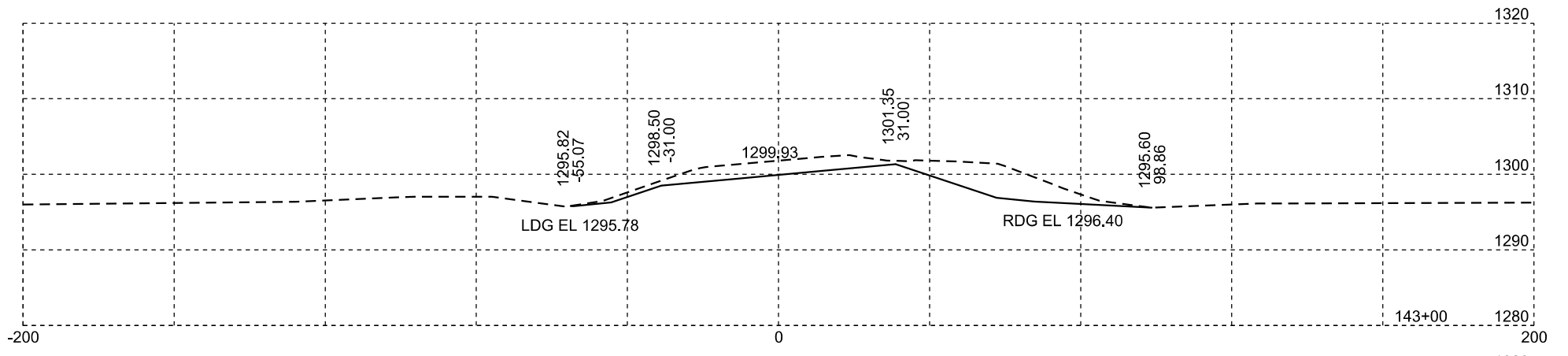
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0212(206)313	X24	X57





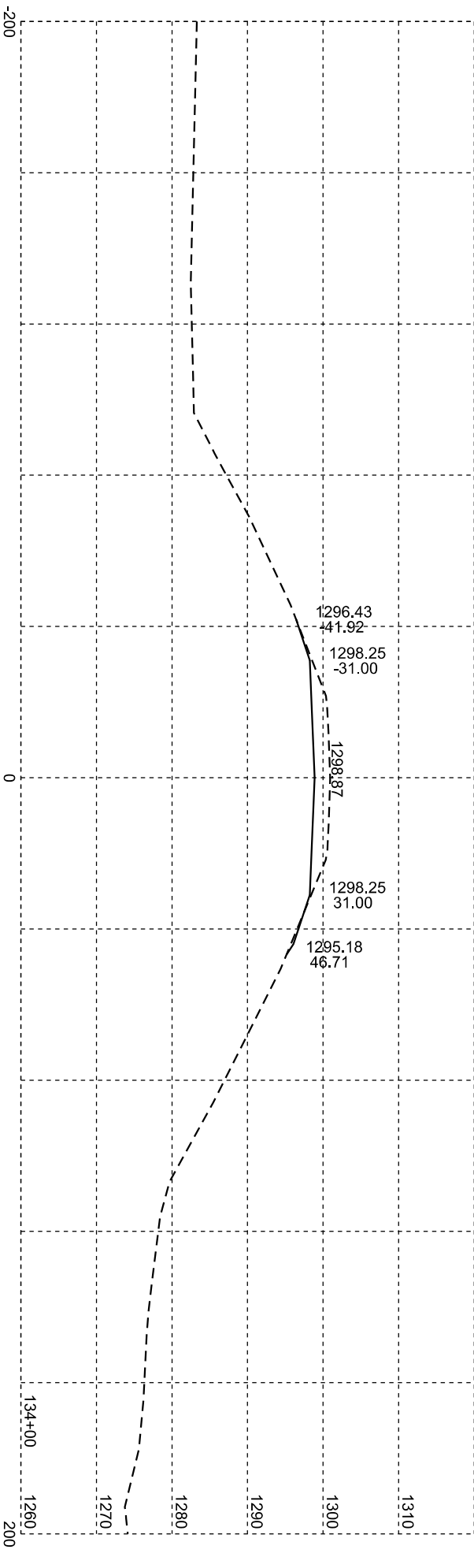
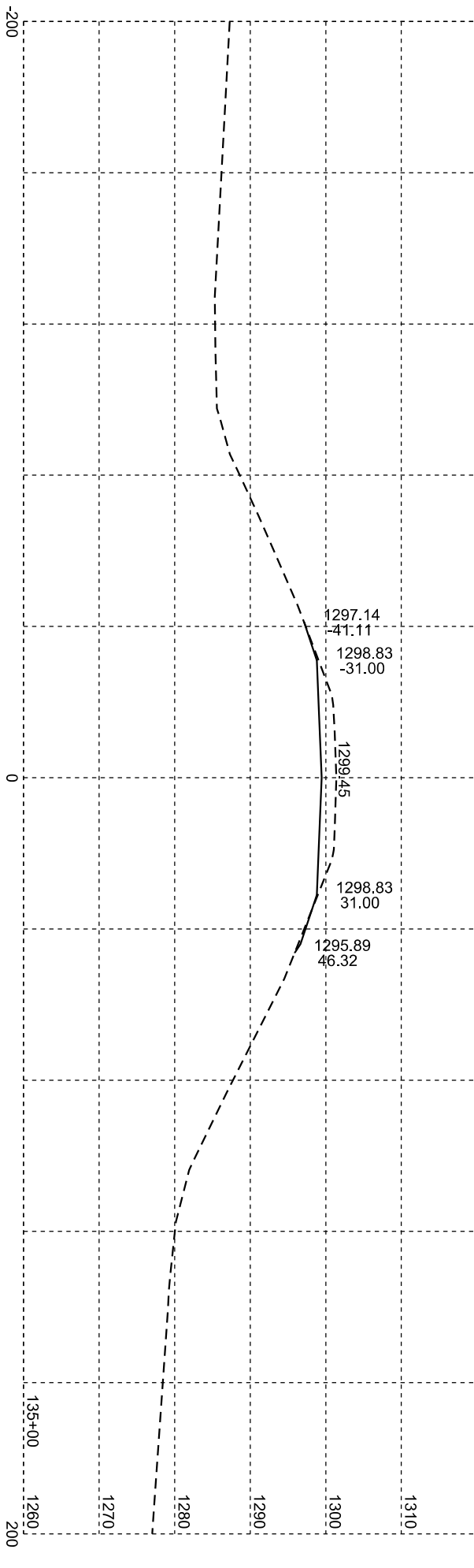
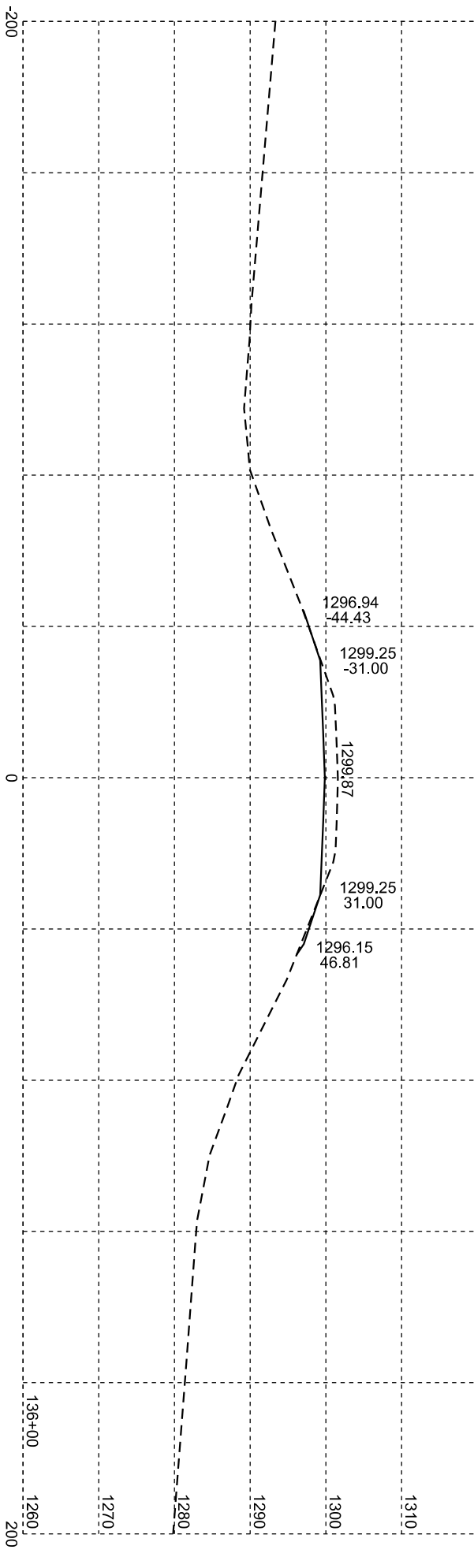
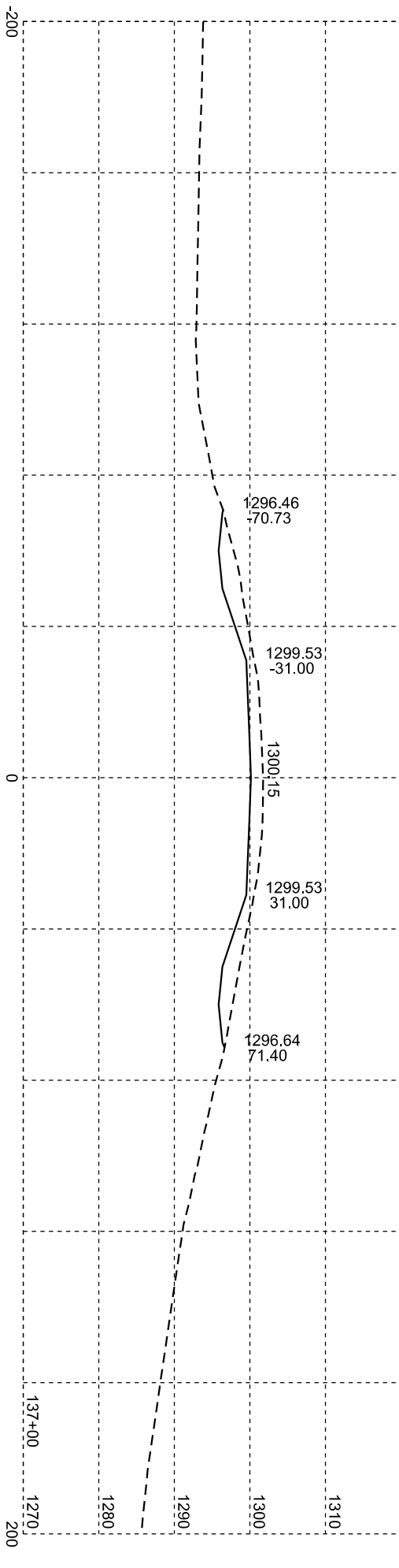
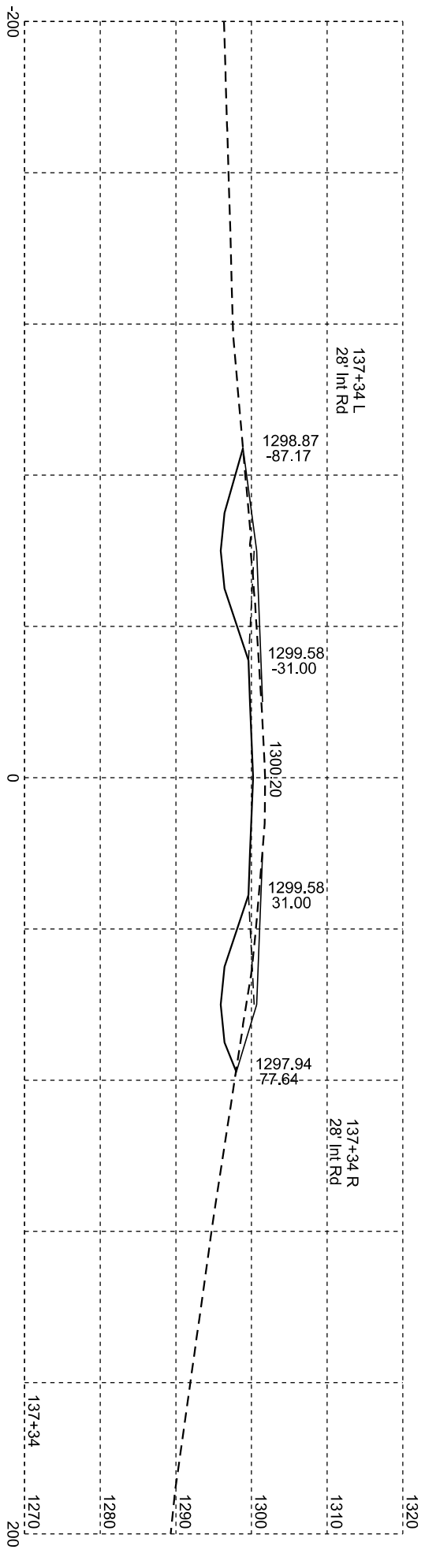
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0212(206)313	X25	X57





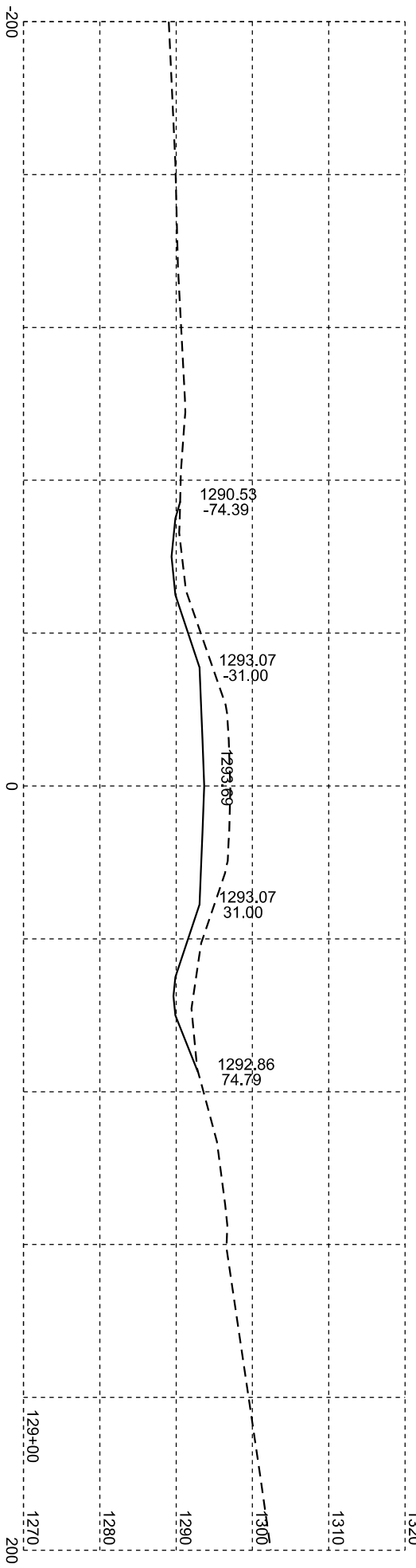
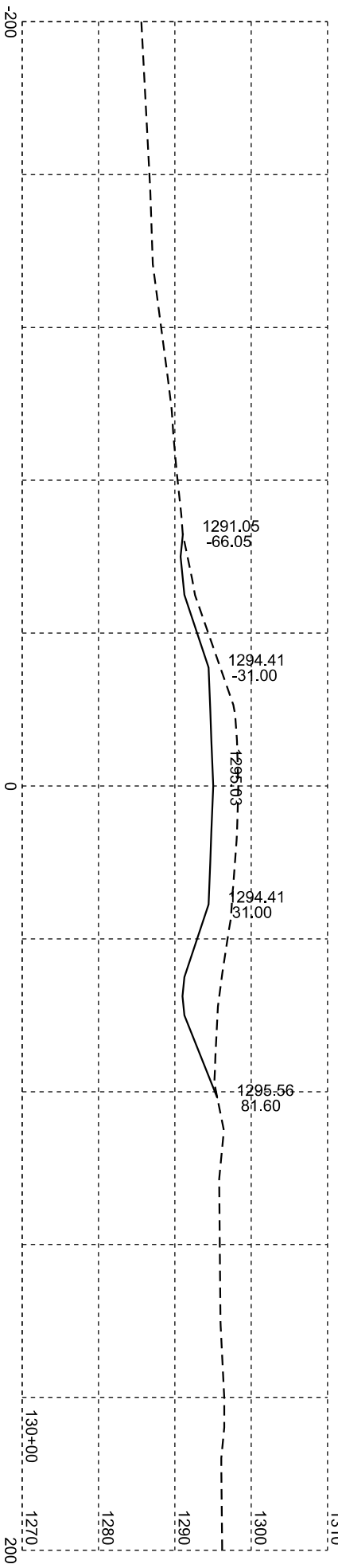
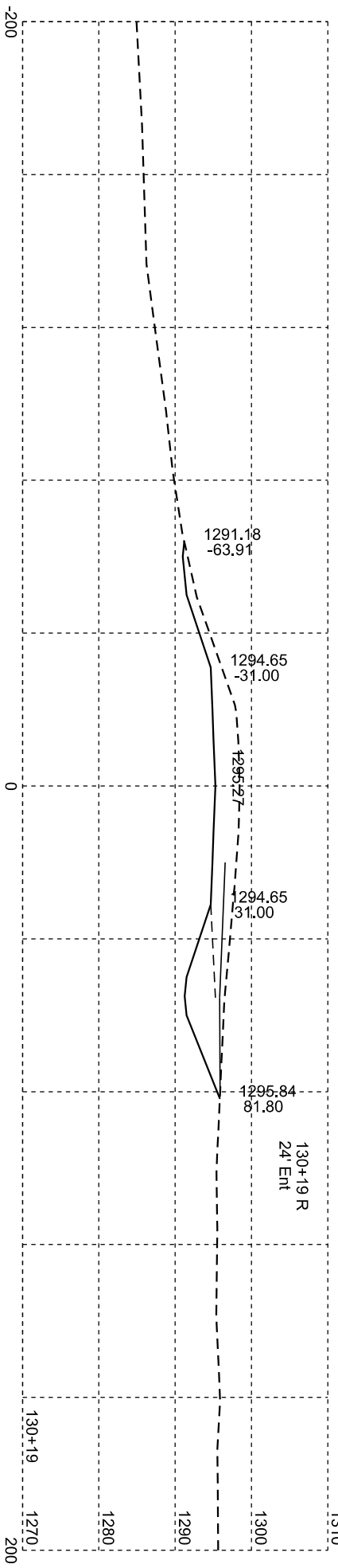
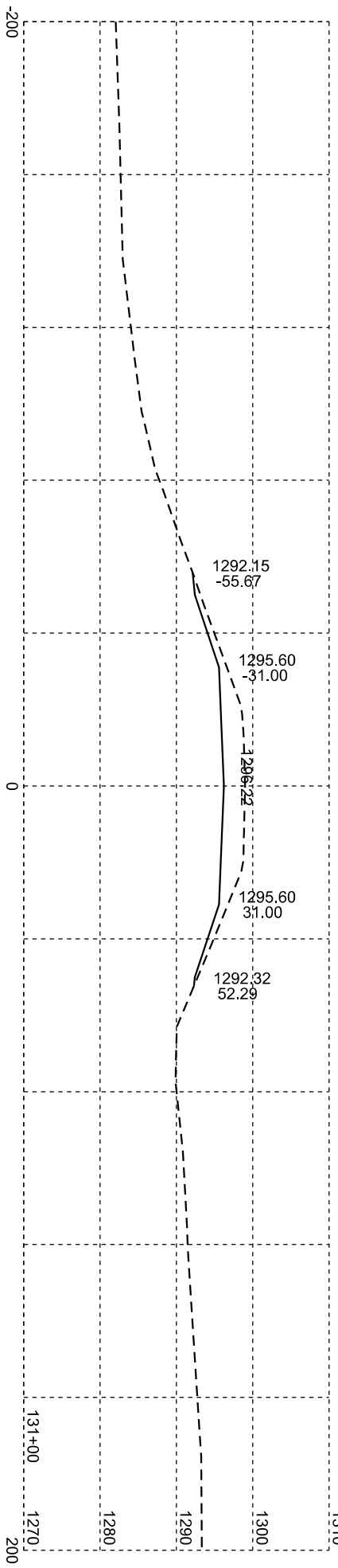
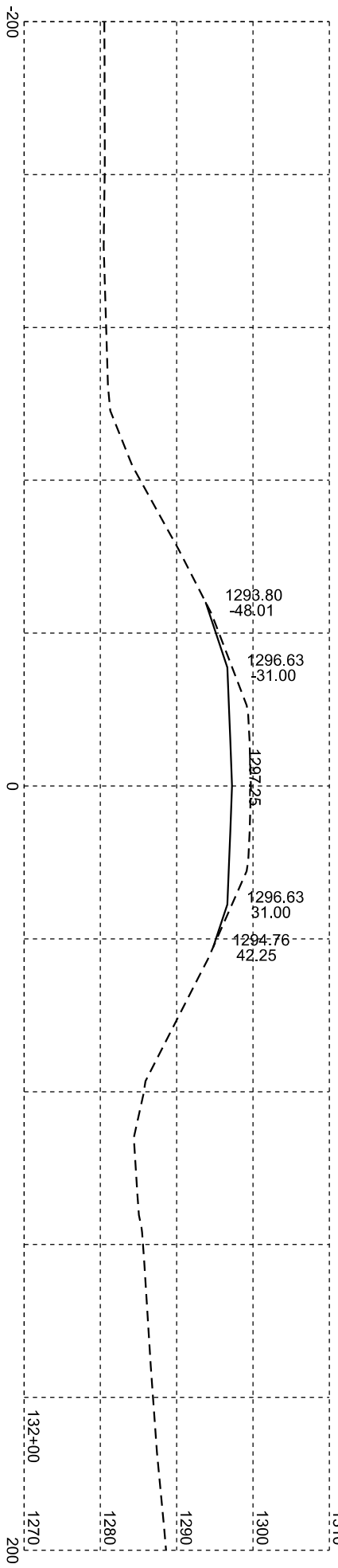
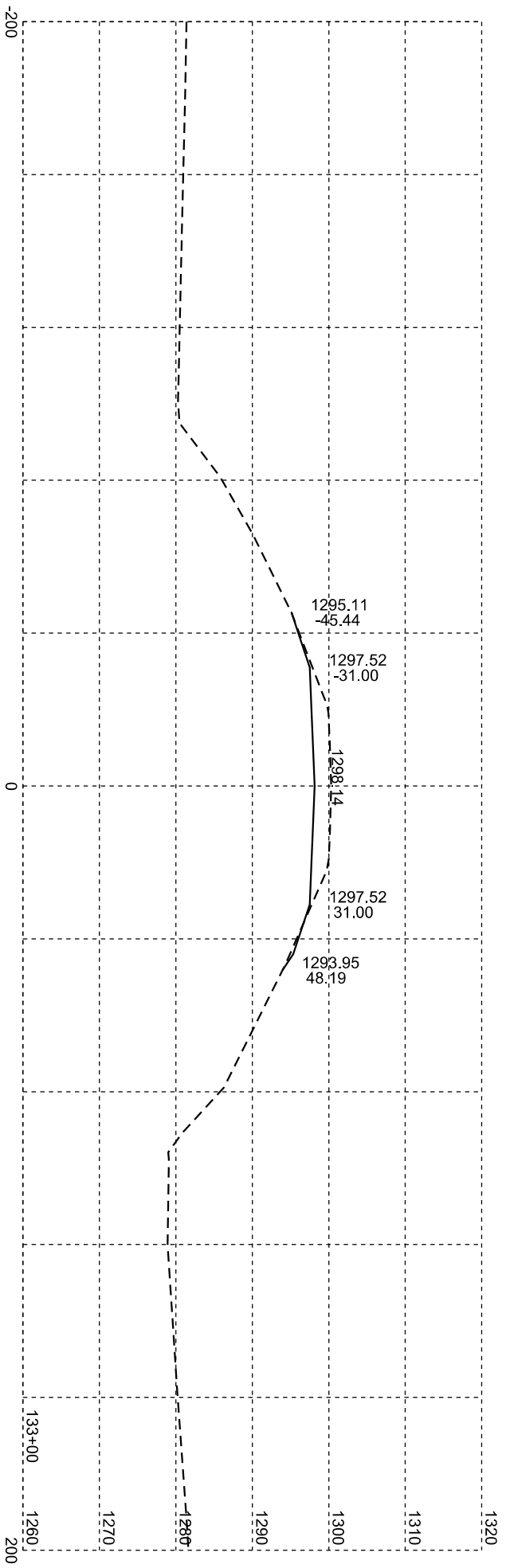
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 26	X 57



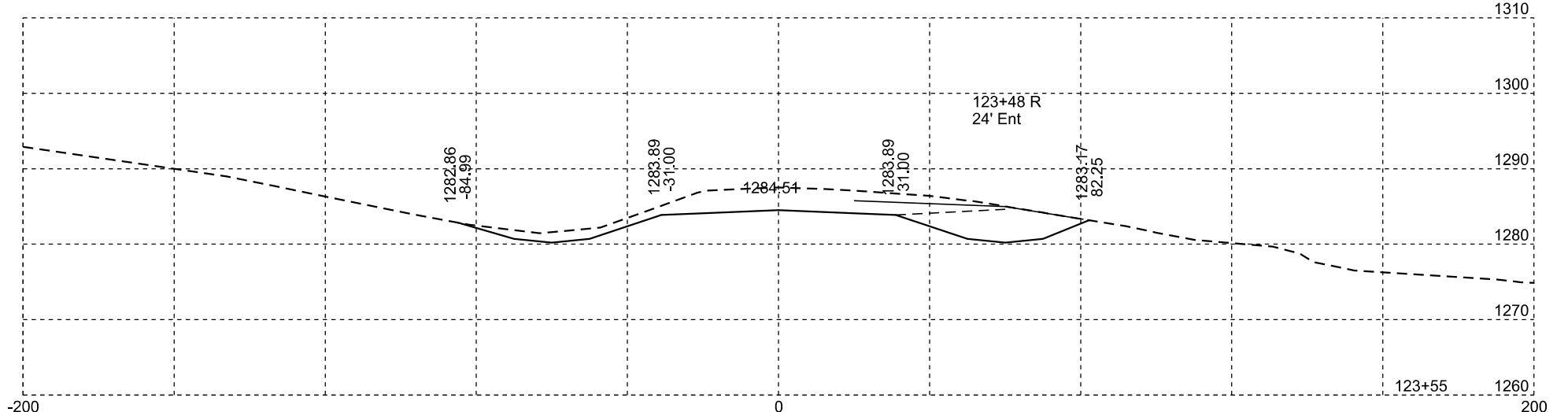
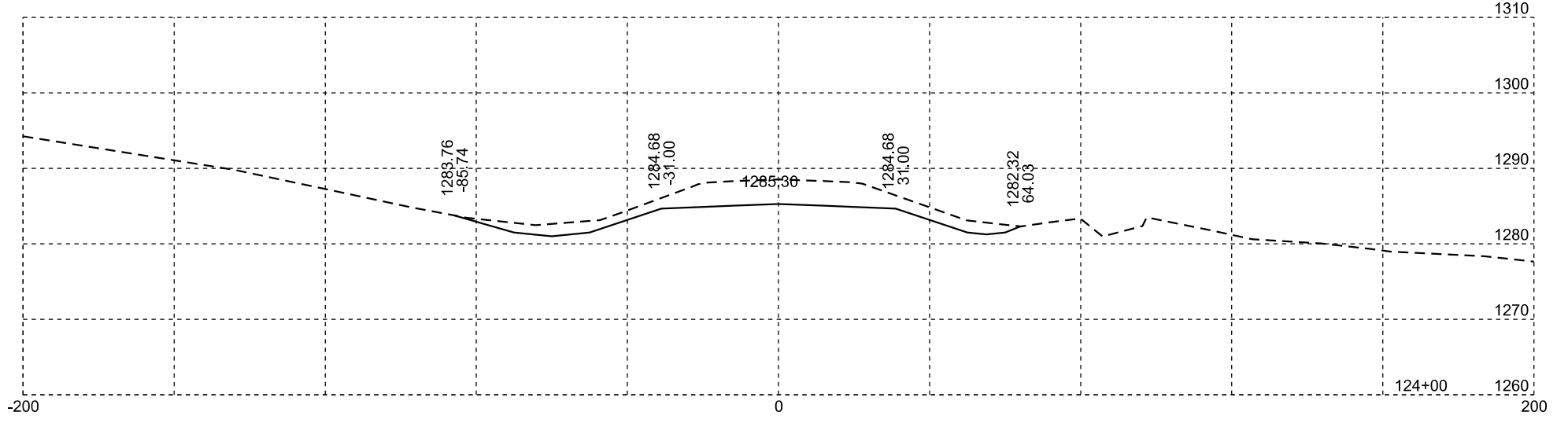
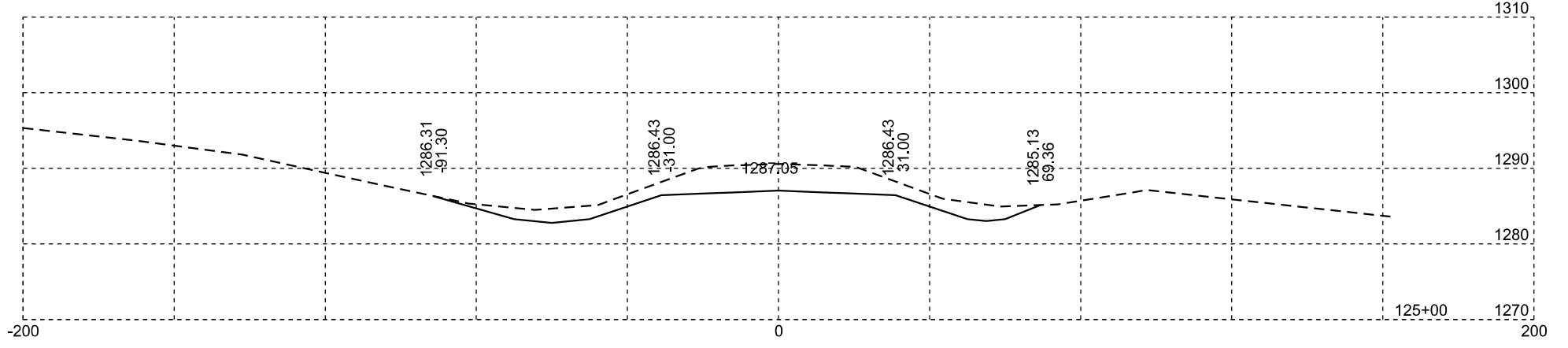
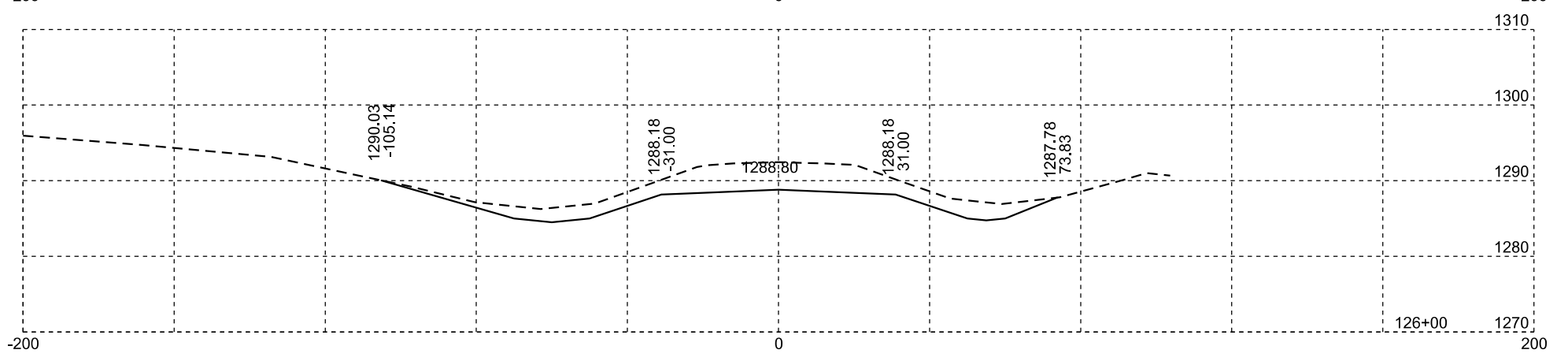
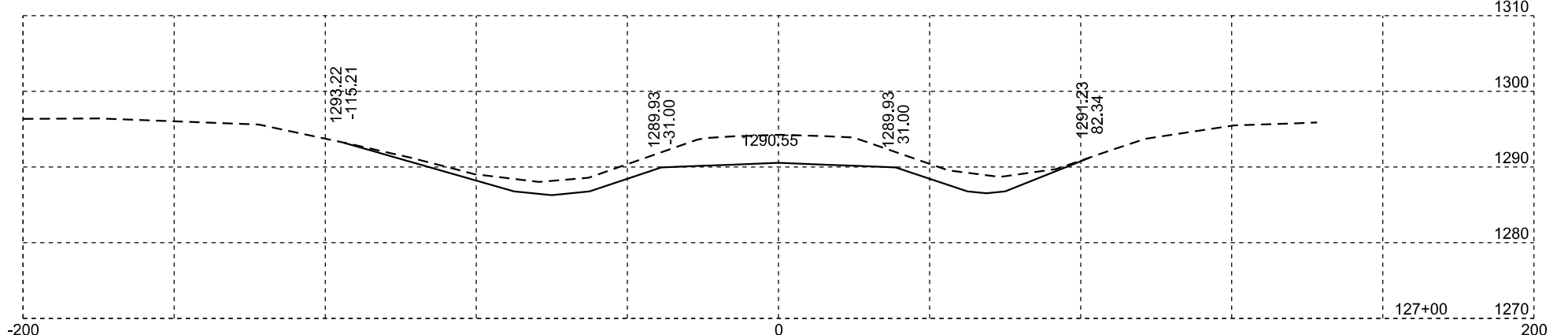
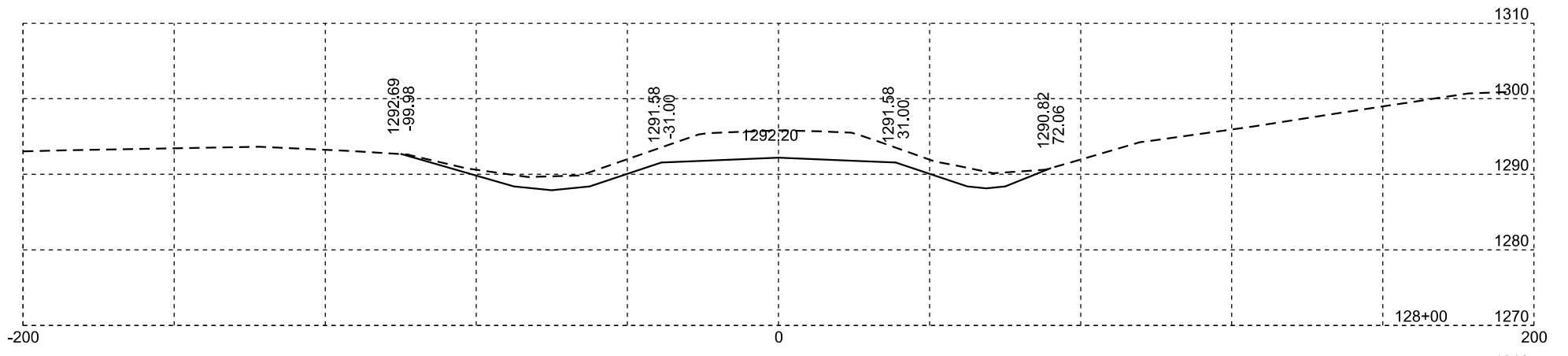
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT NH 0212(206)313	SHEET NO. X 27	TOTAL SHEETS X 57
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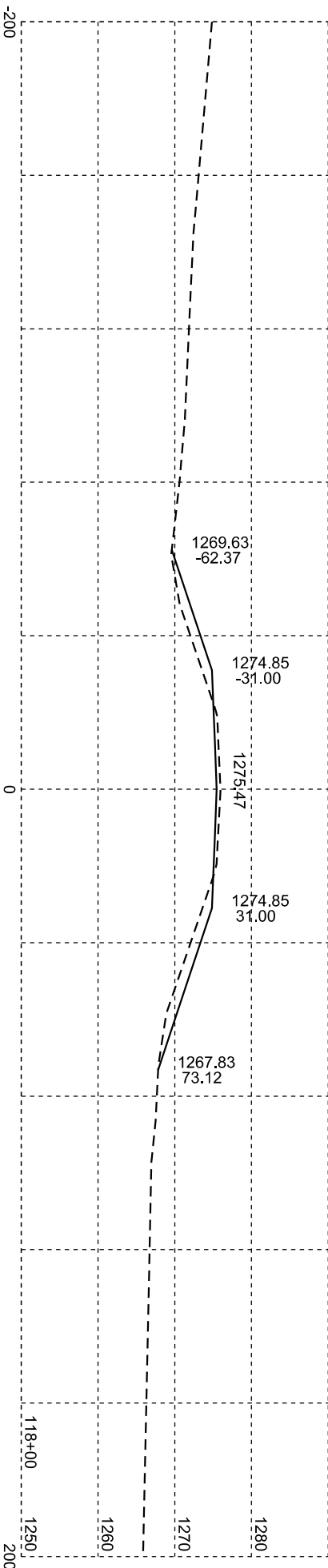
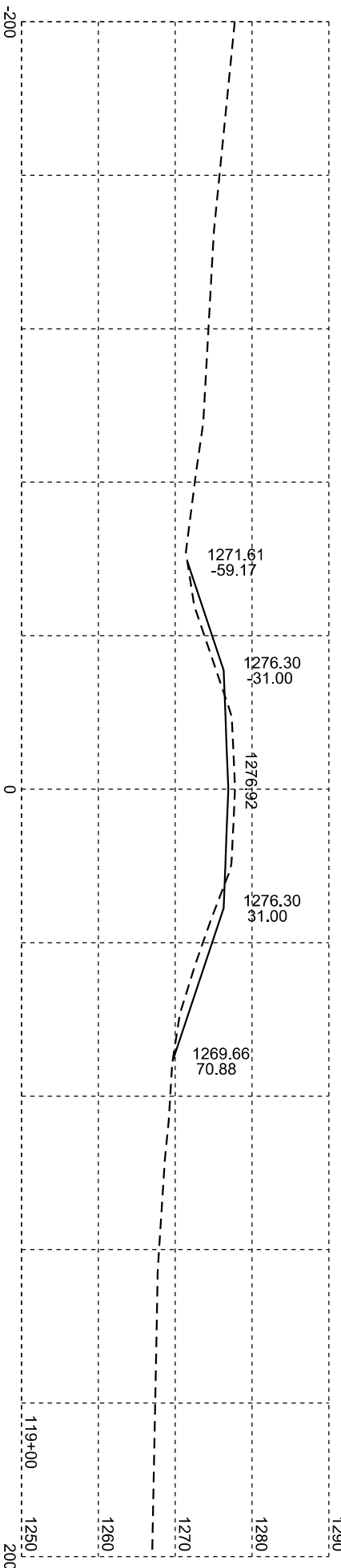
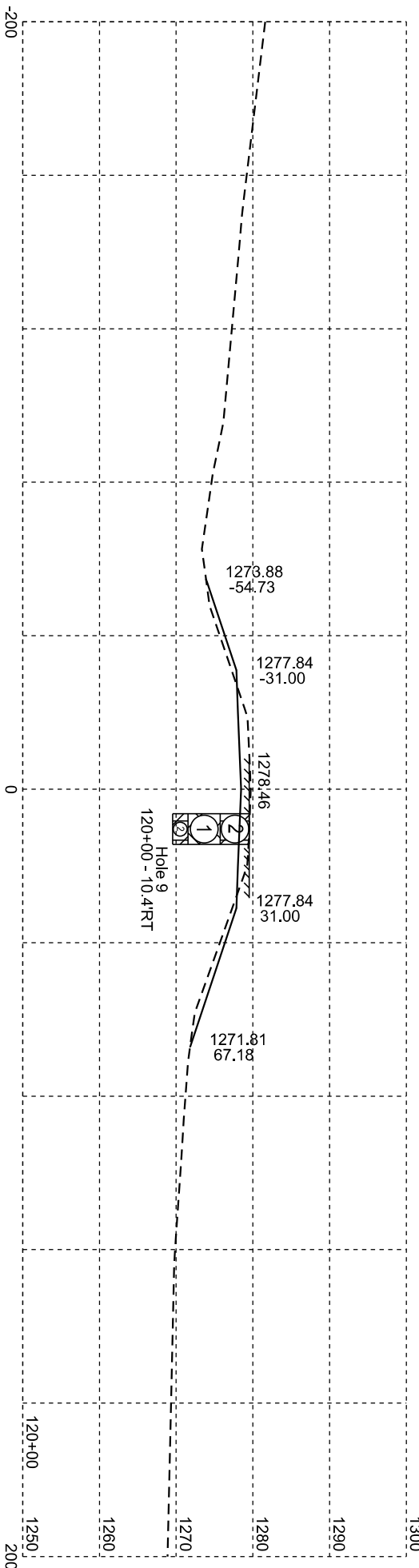
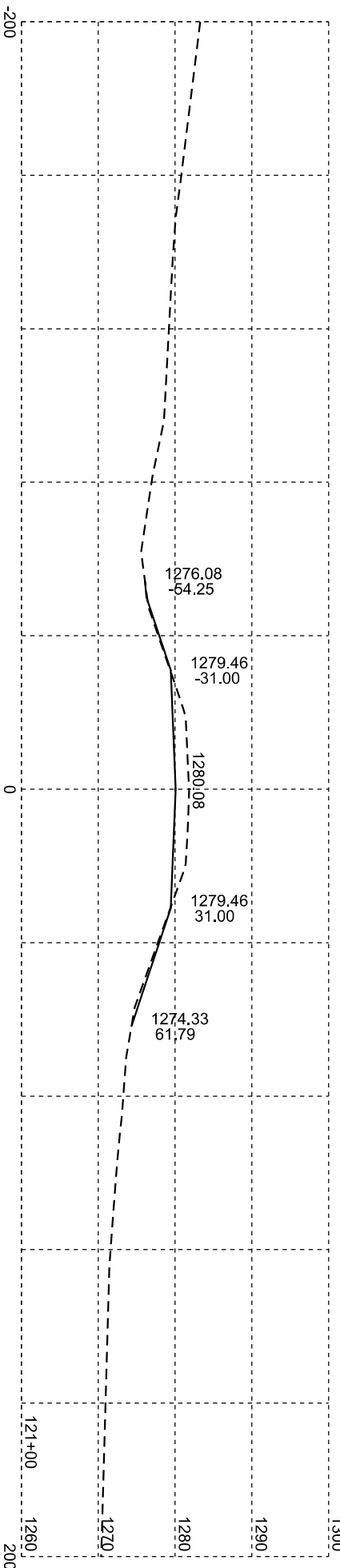
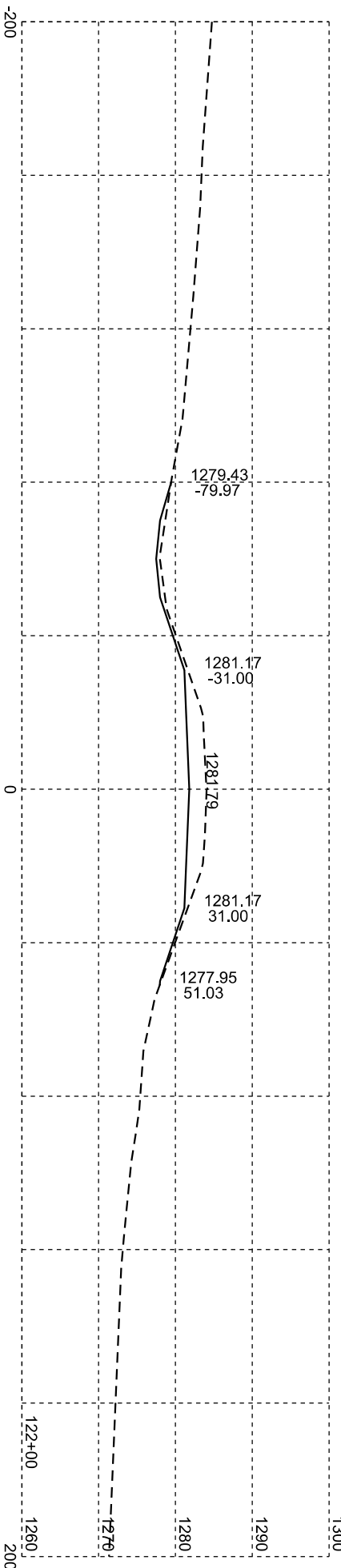
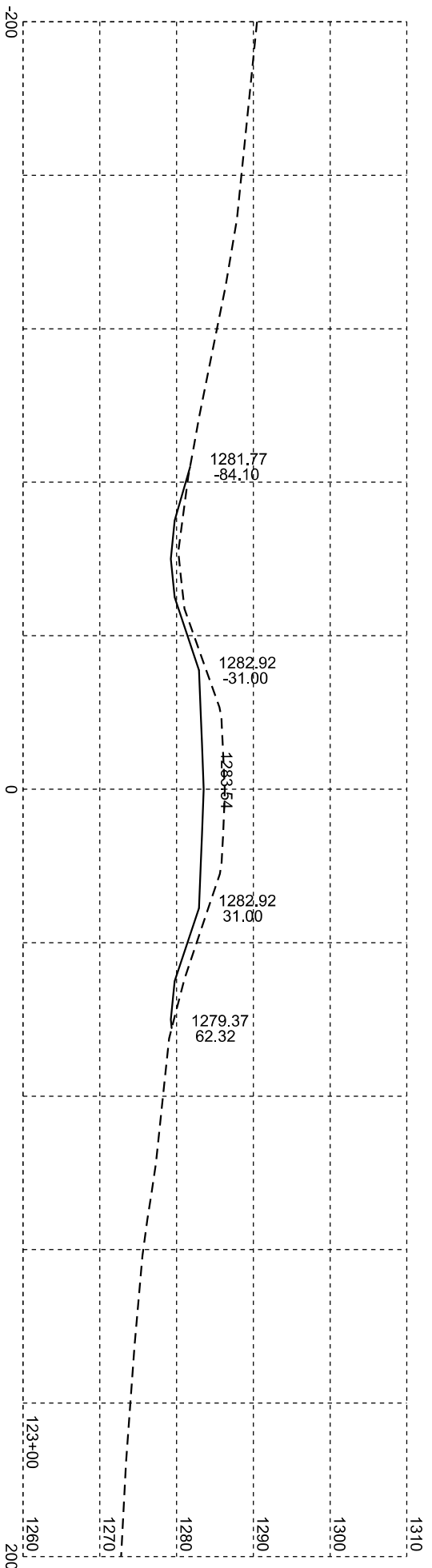
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 28	X 57



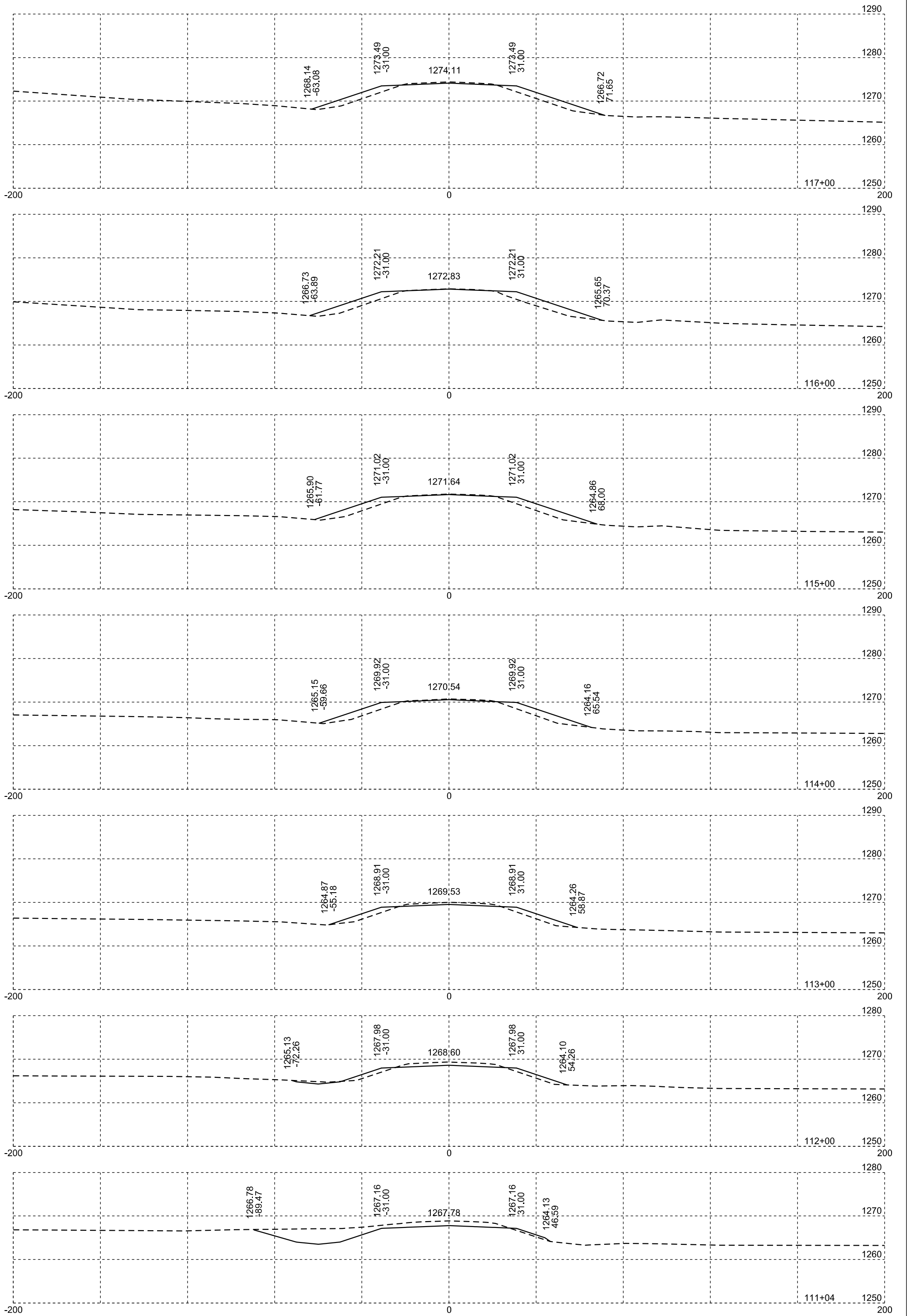
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 29	X57



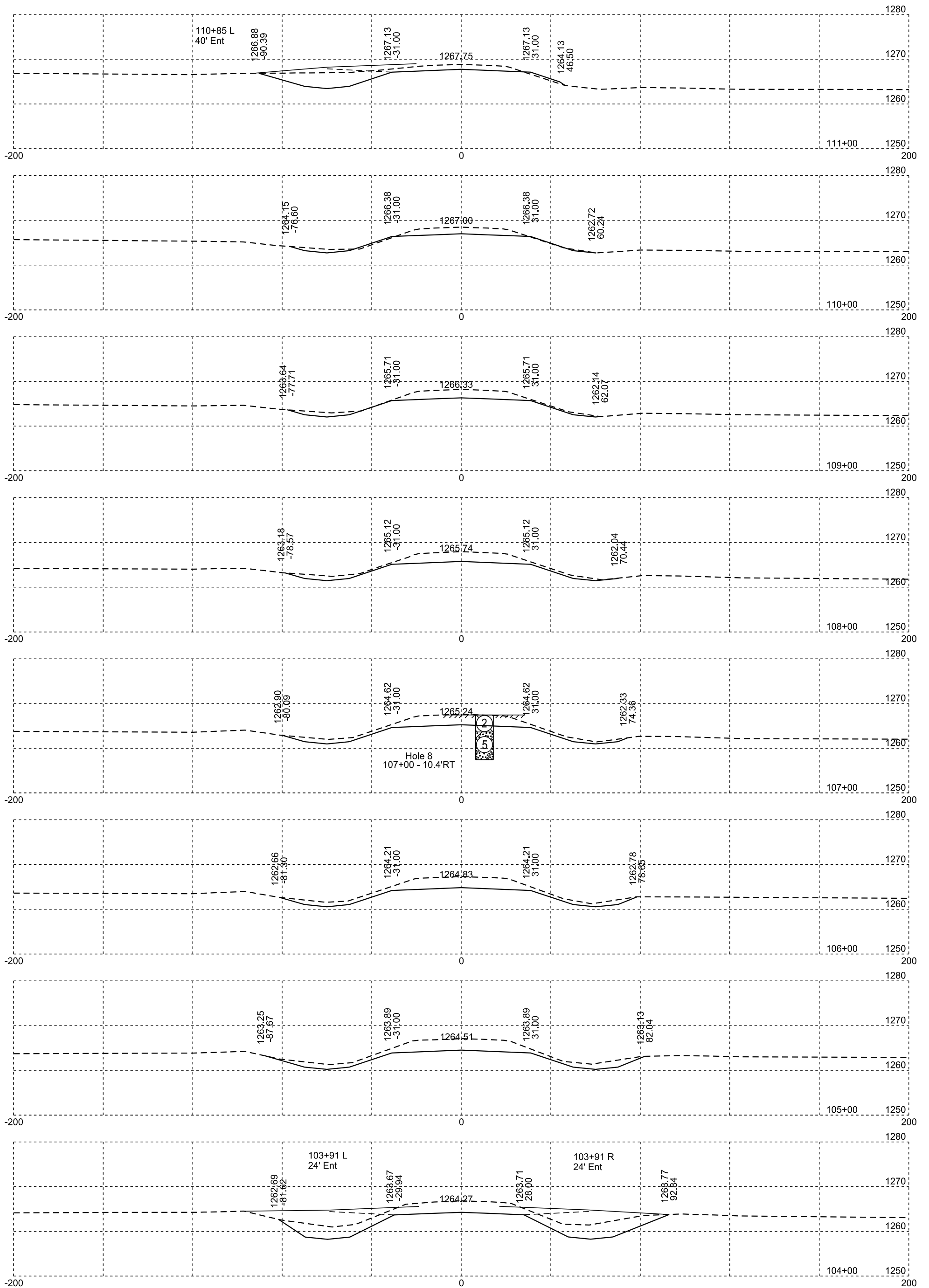
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 30	X 57



Plotting Date: 11/05/2024

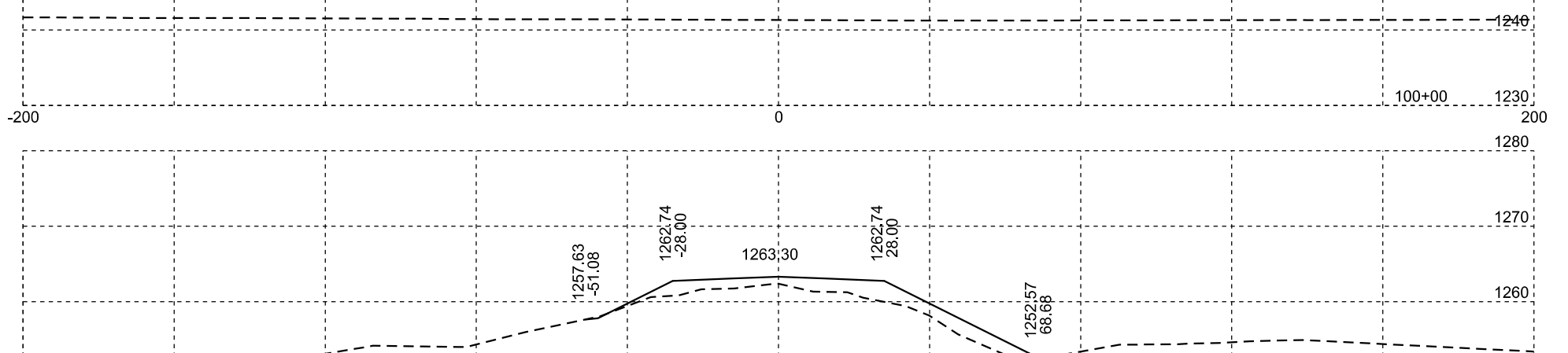
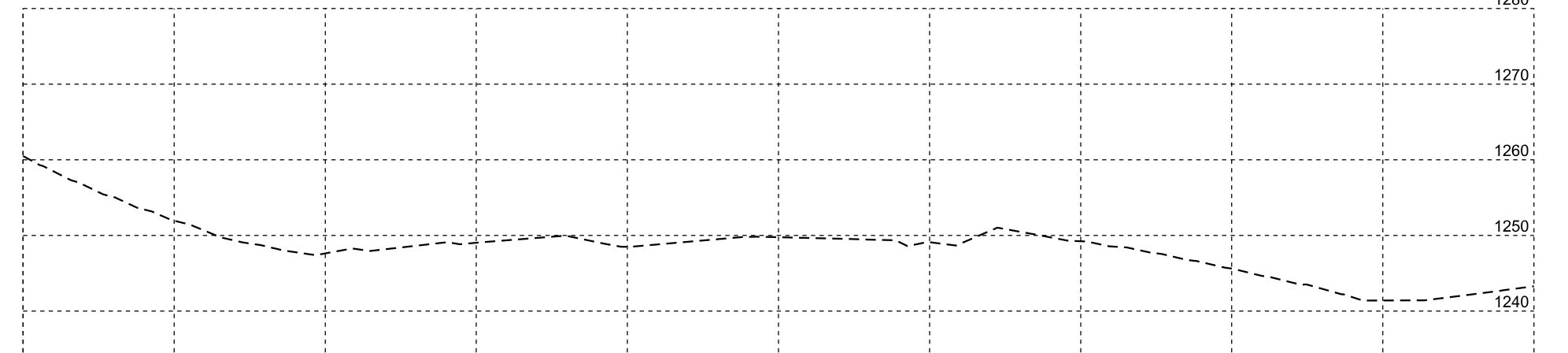
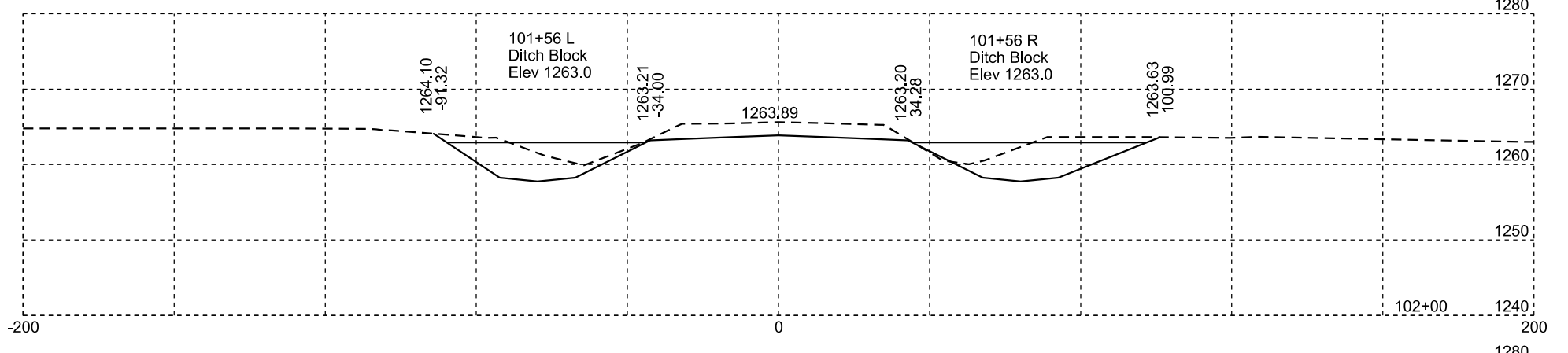
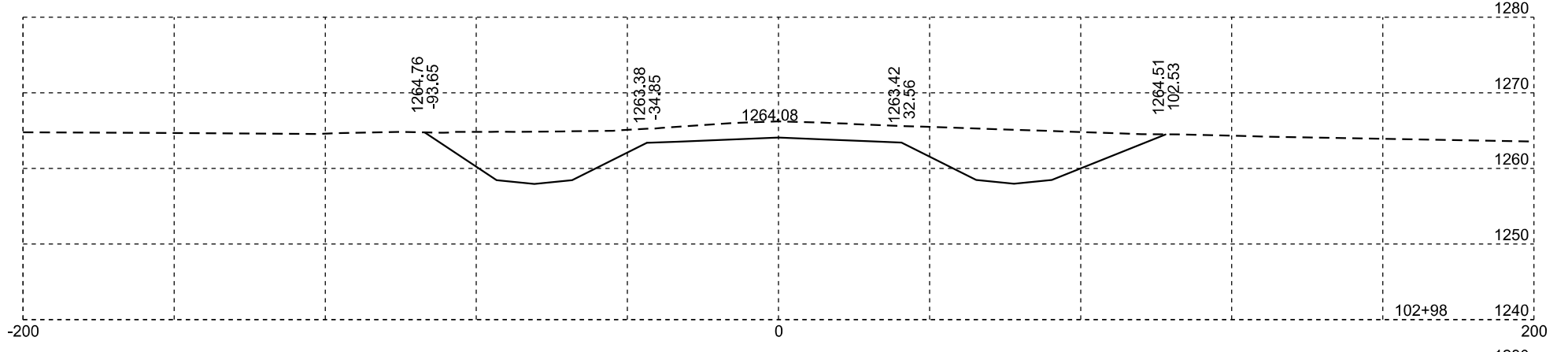
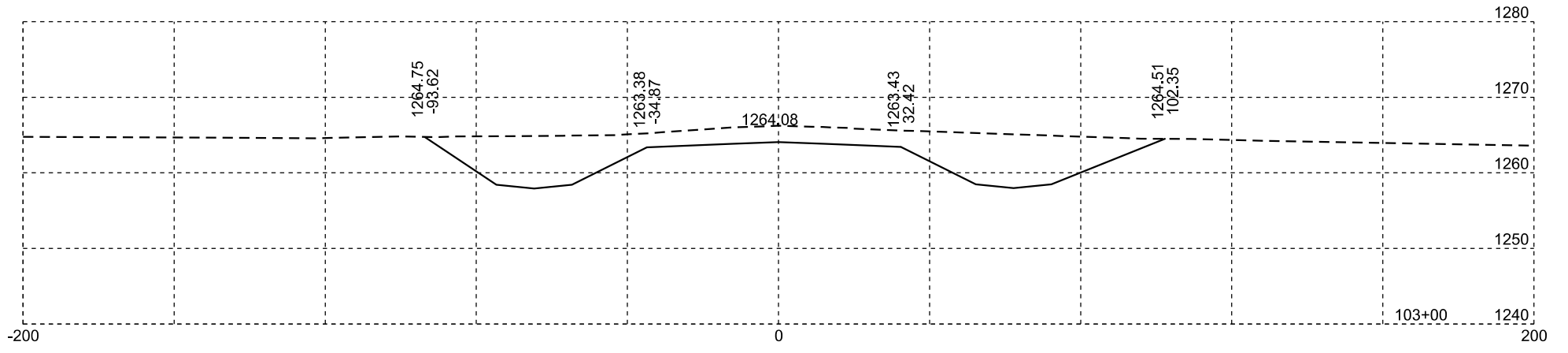
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 31	X57

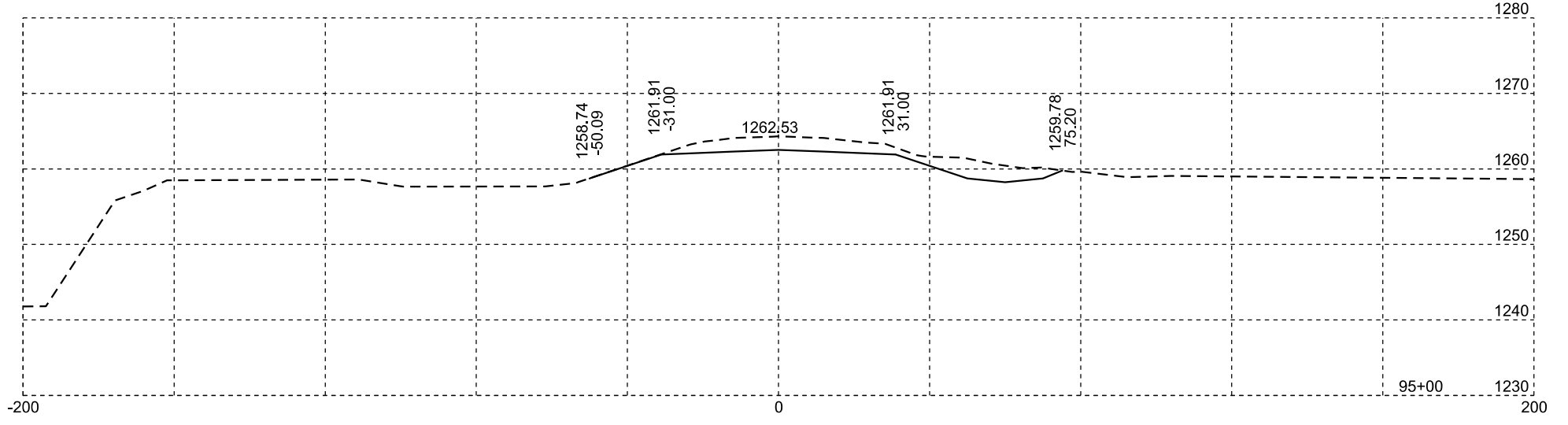
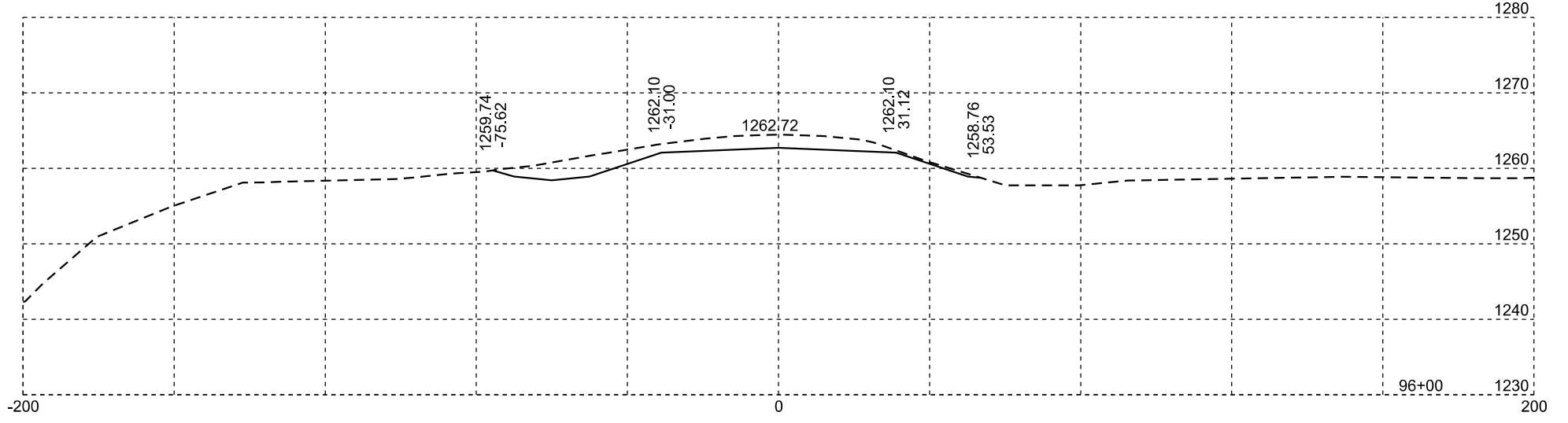
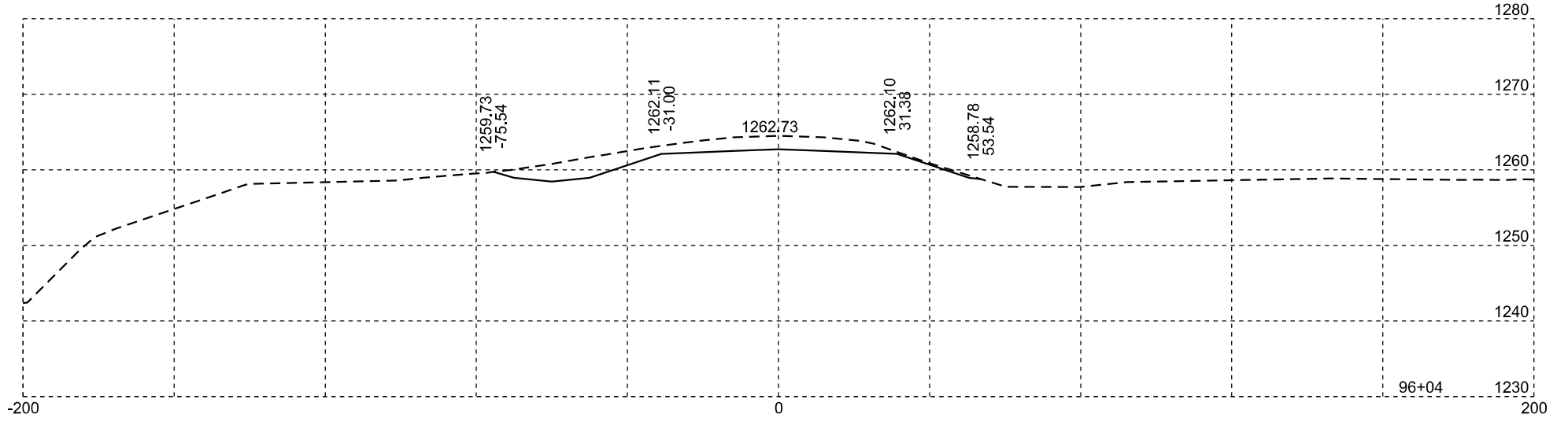
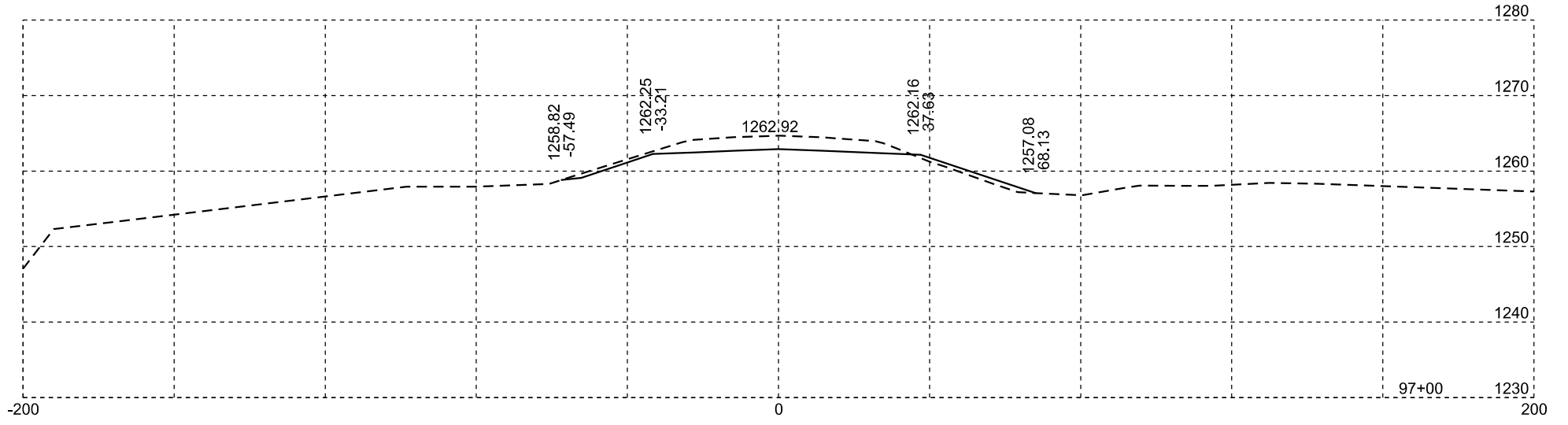
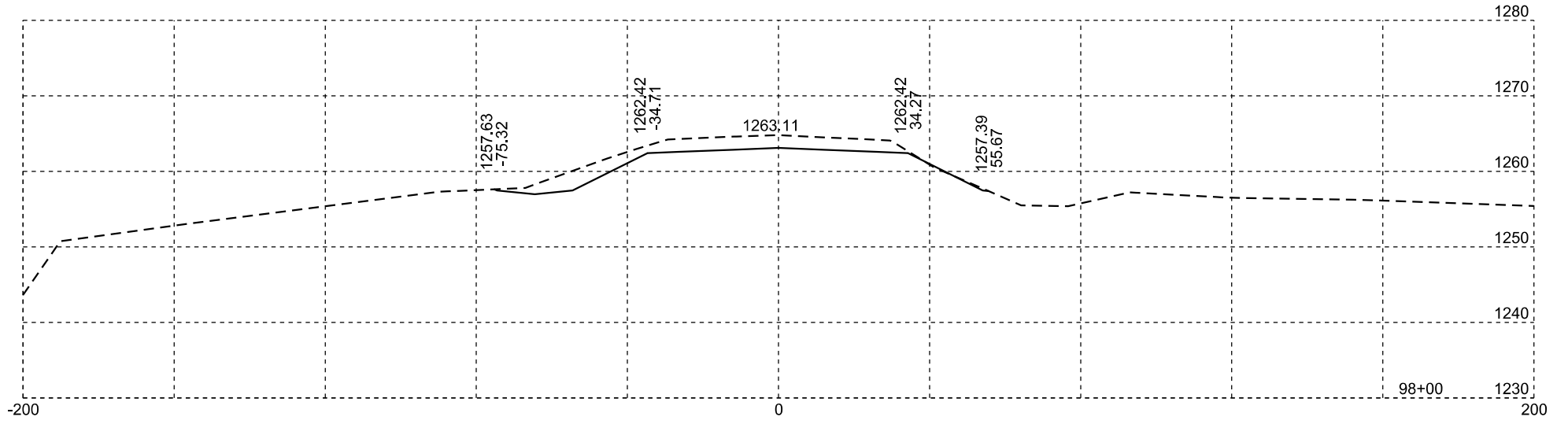


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STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 32	X57

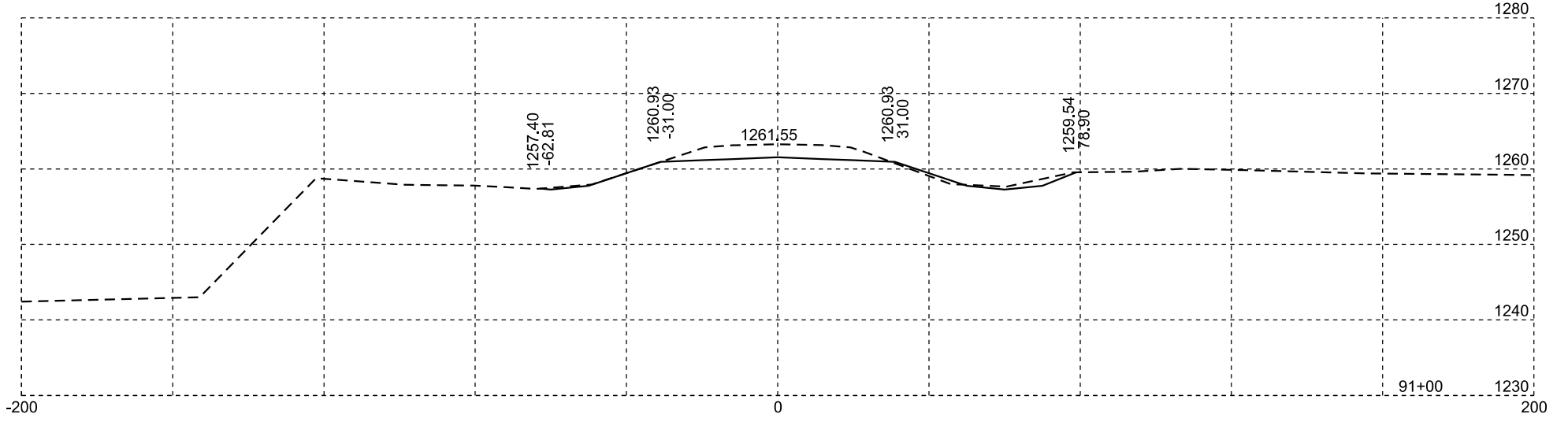
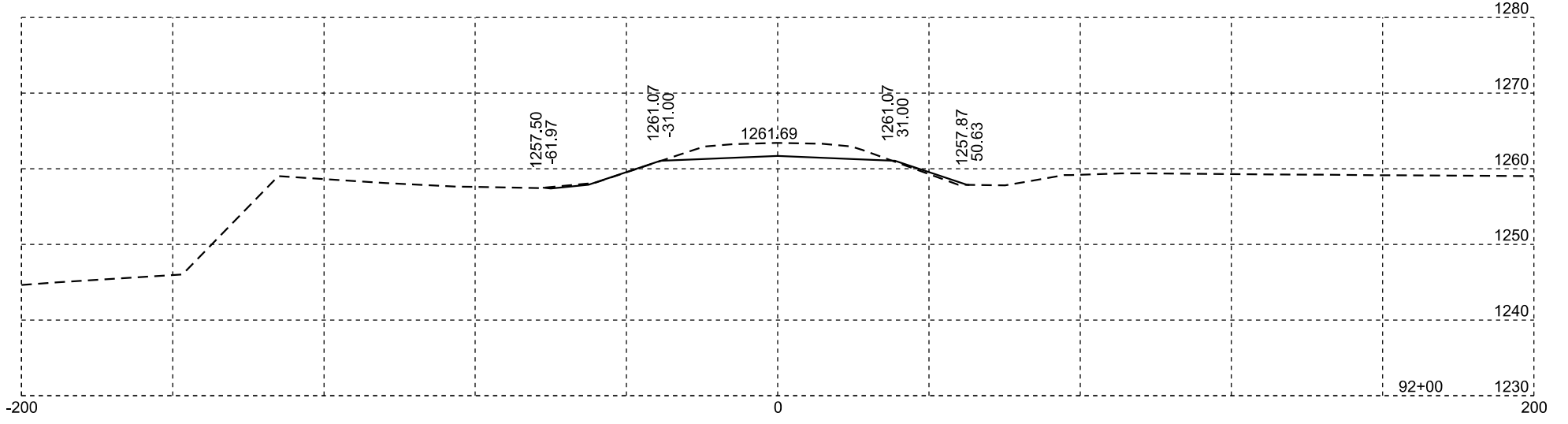
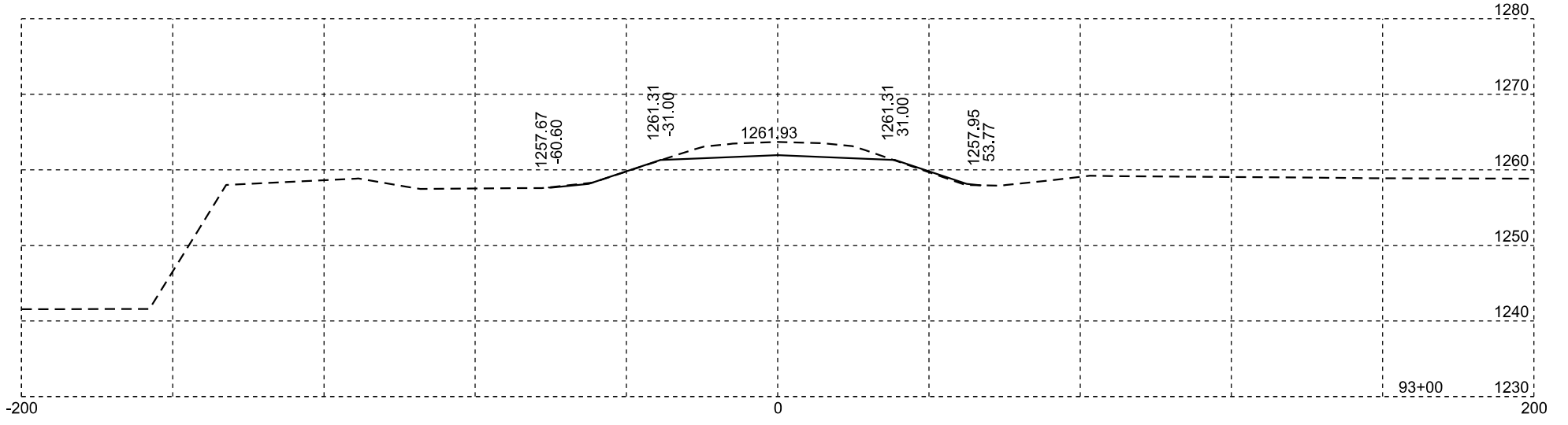
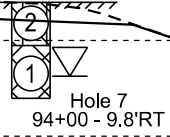
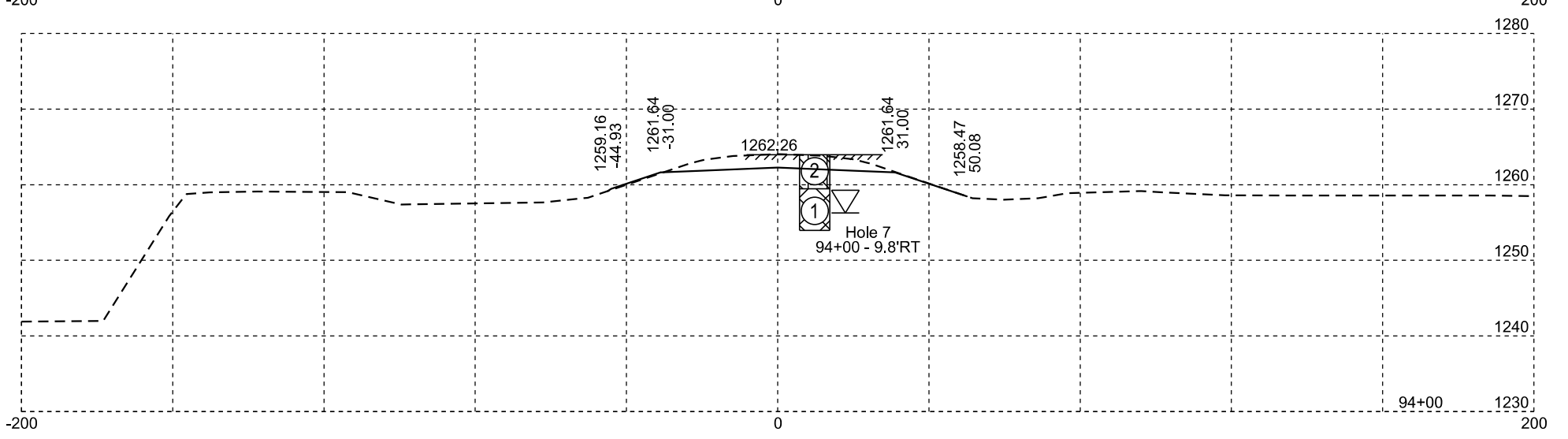
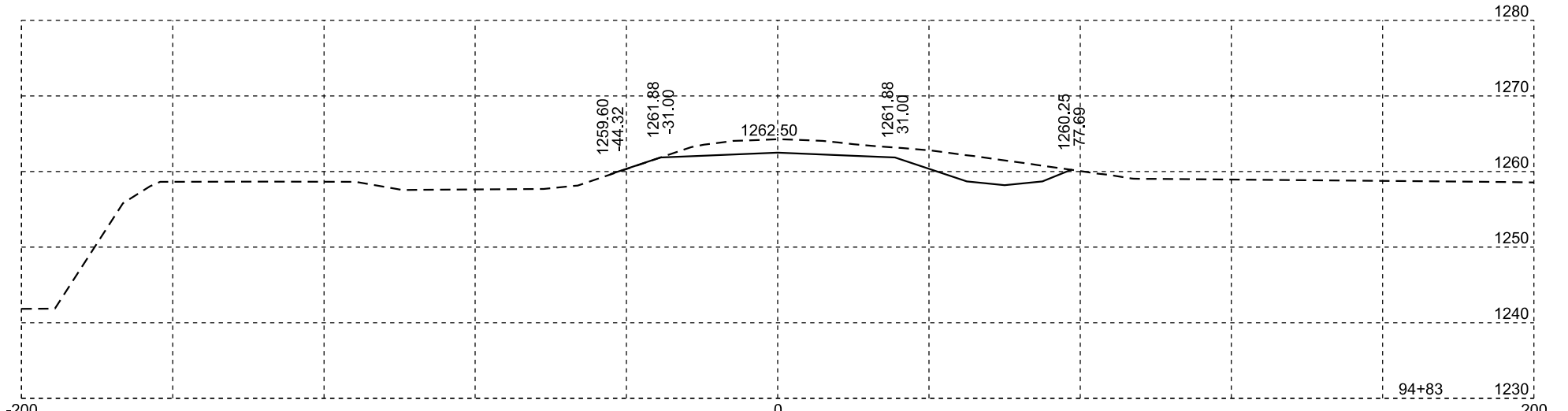






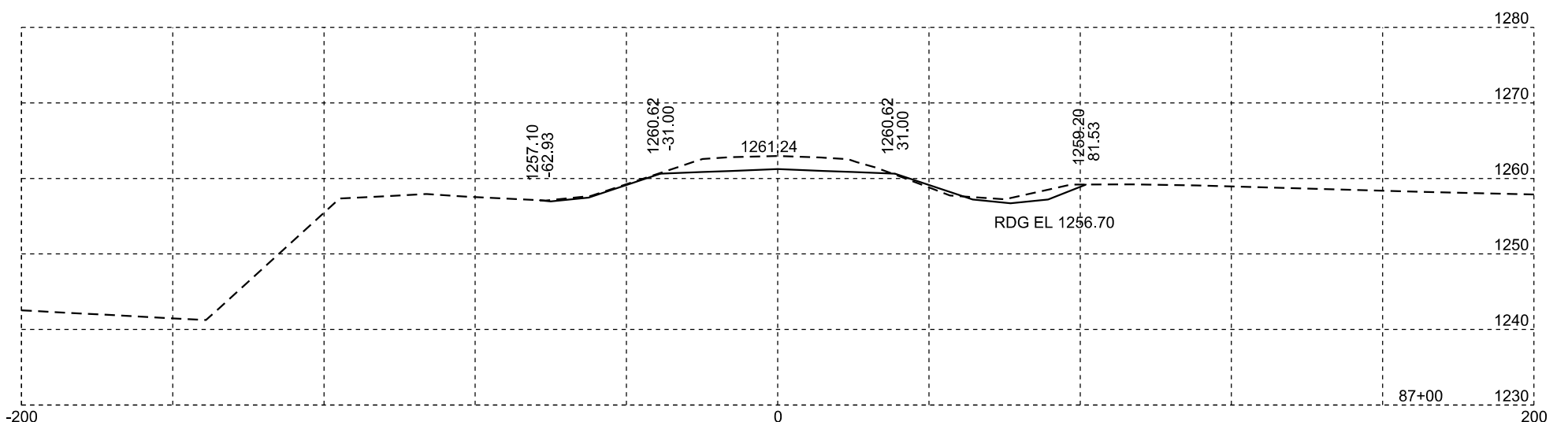
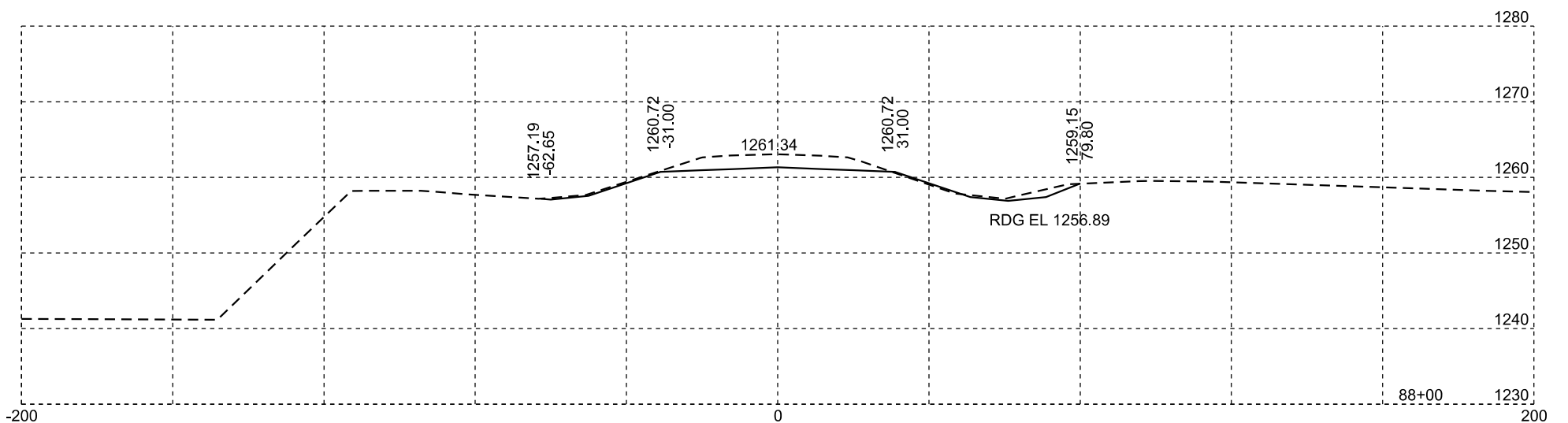
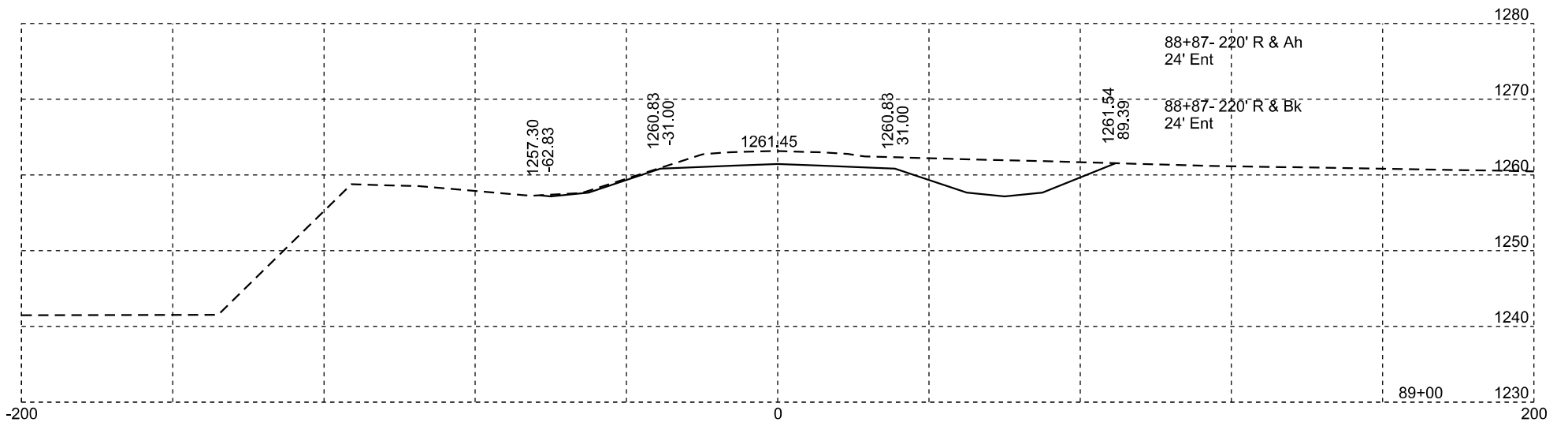
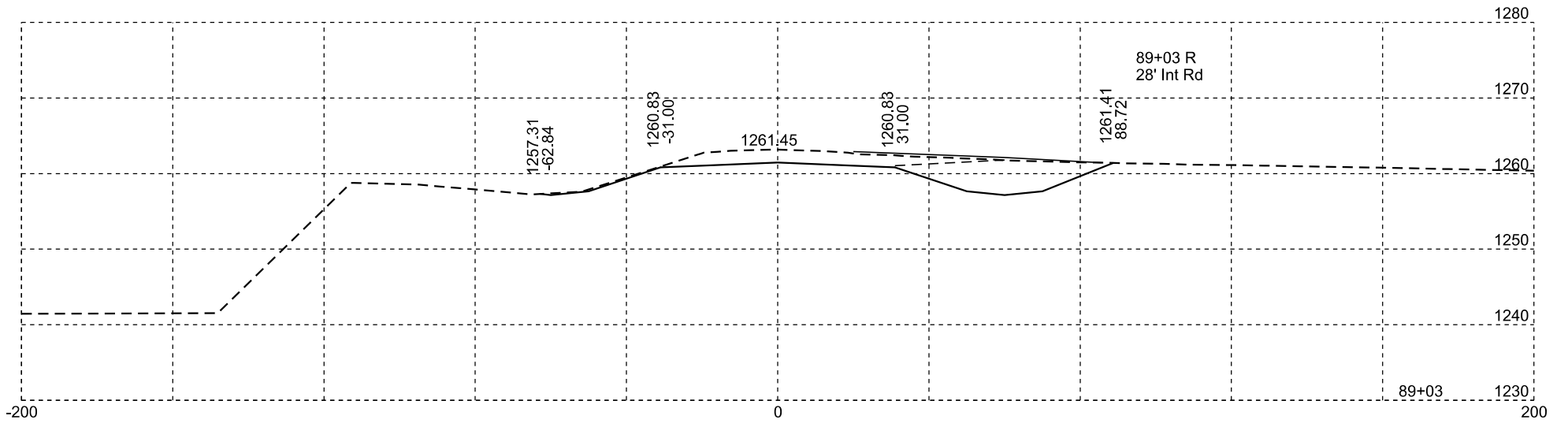
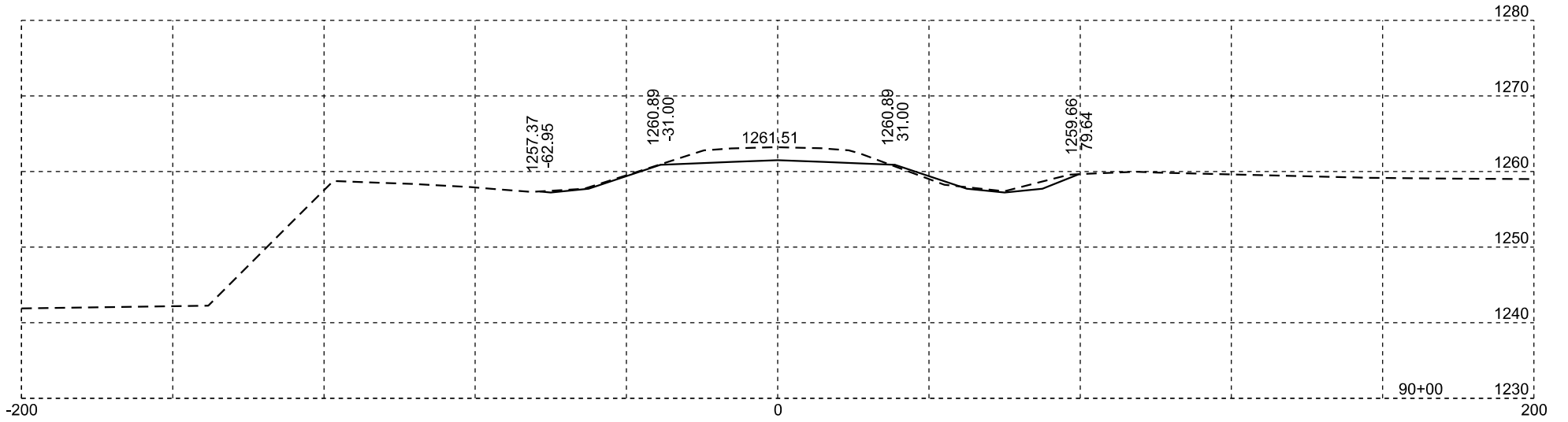
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 34	X57



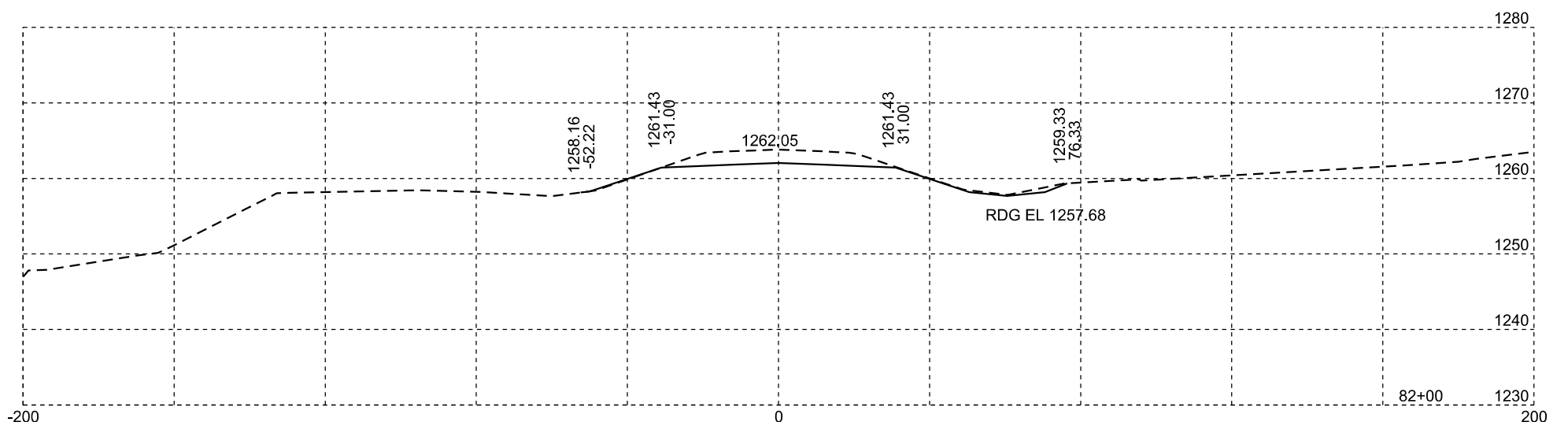
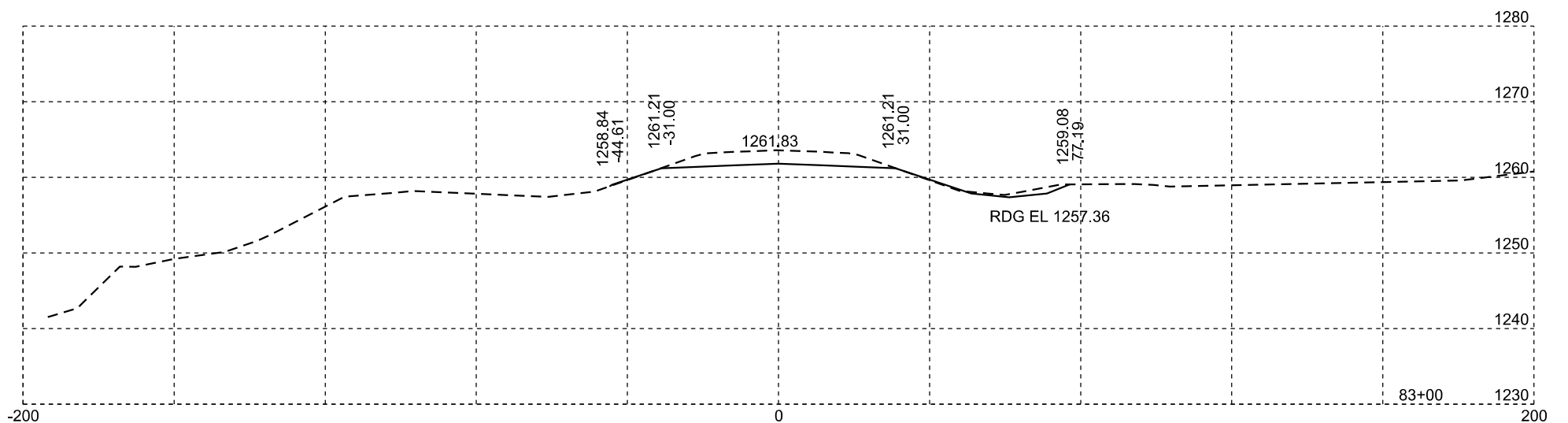
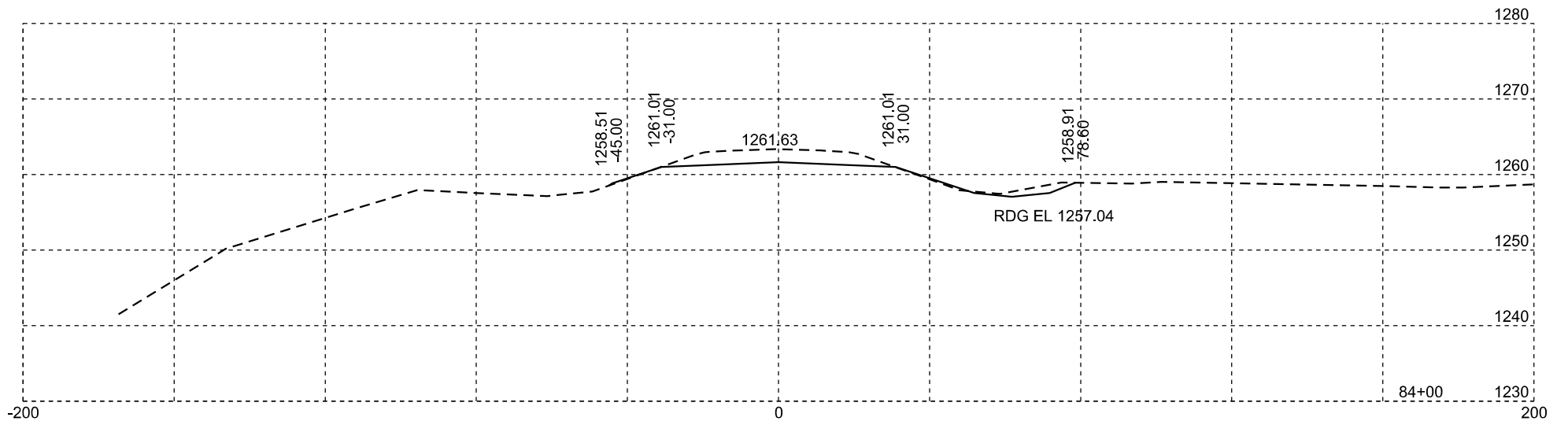
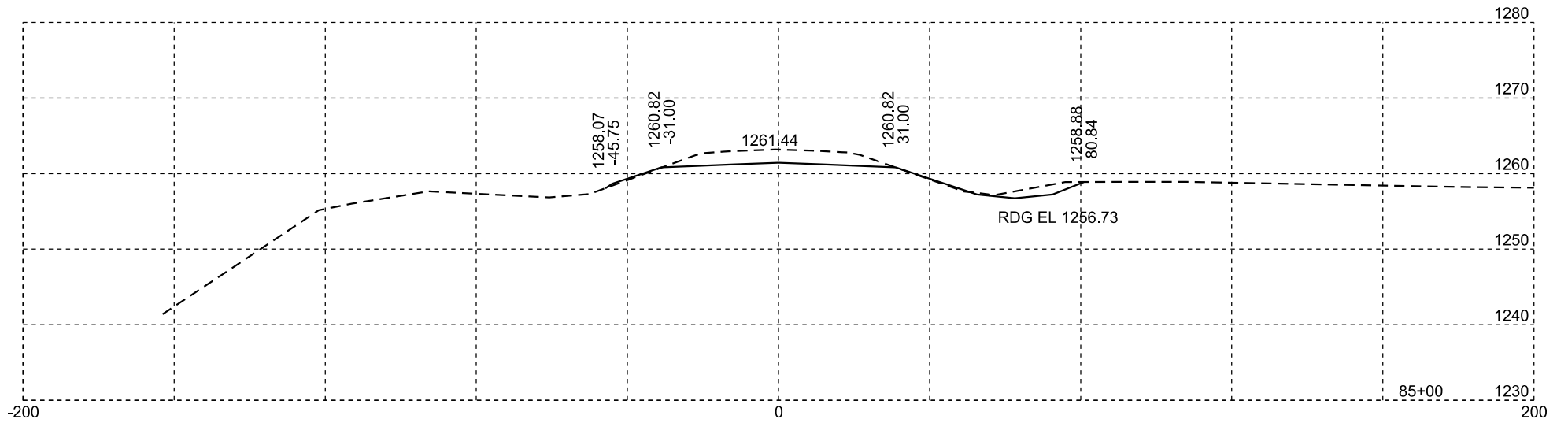
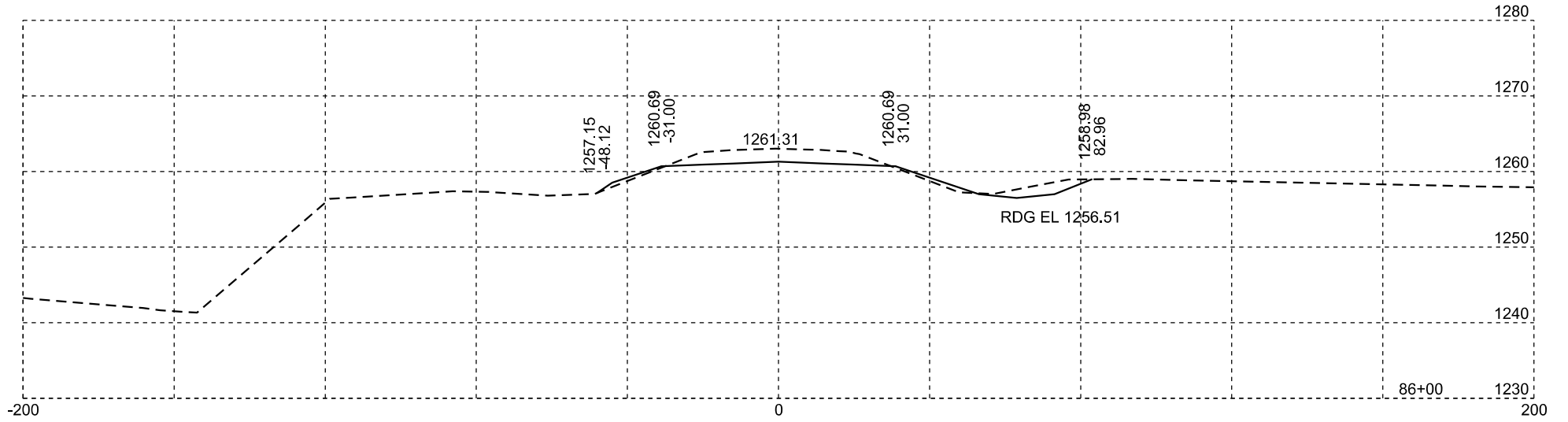
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 35	X57



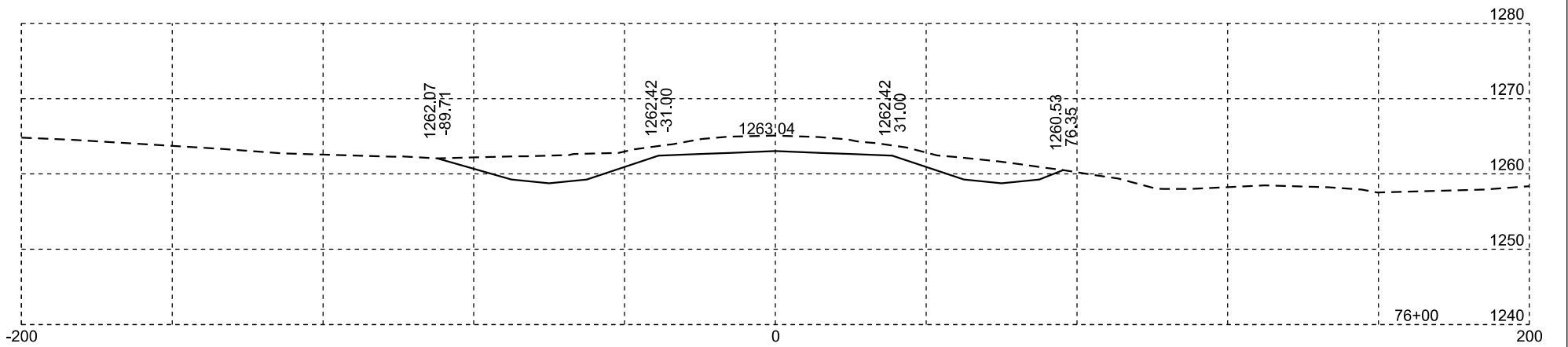
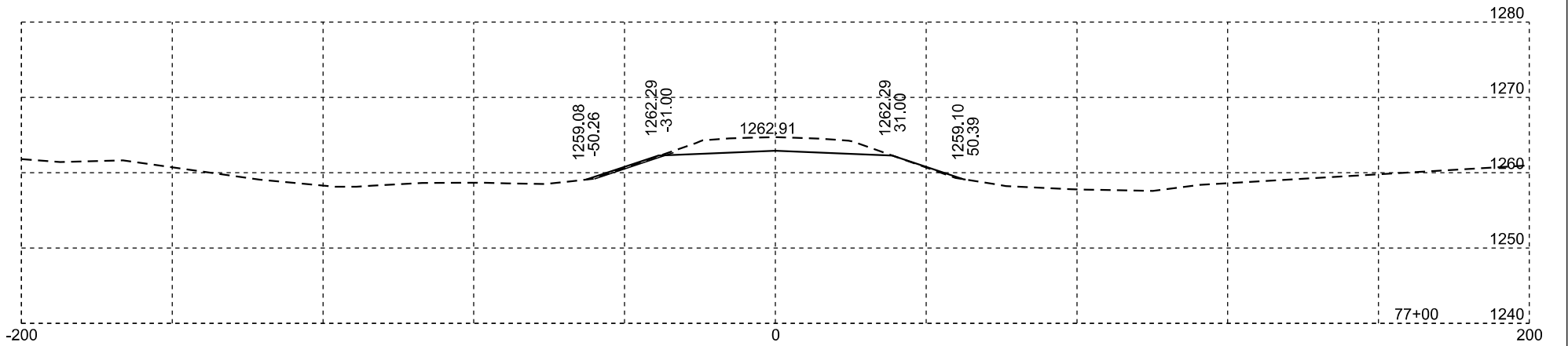
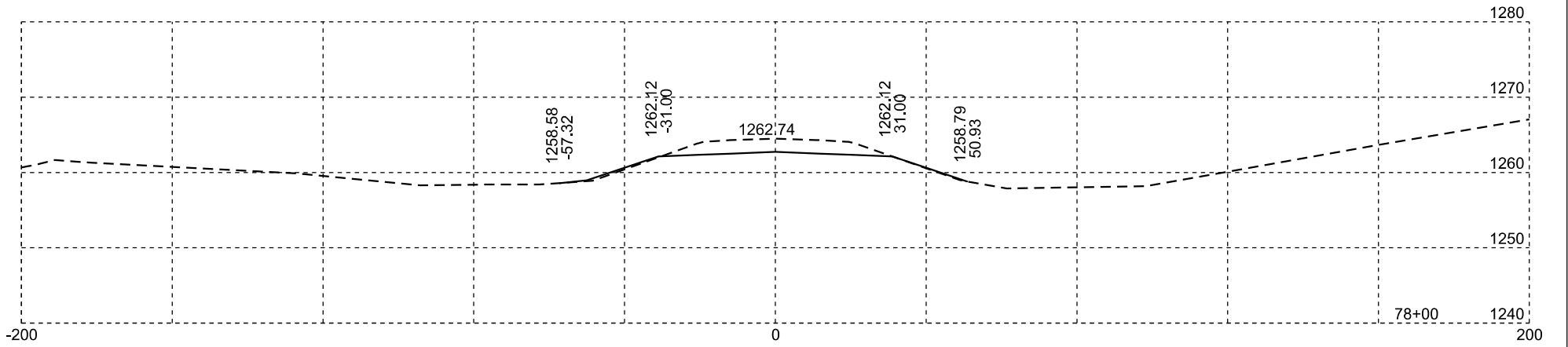
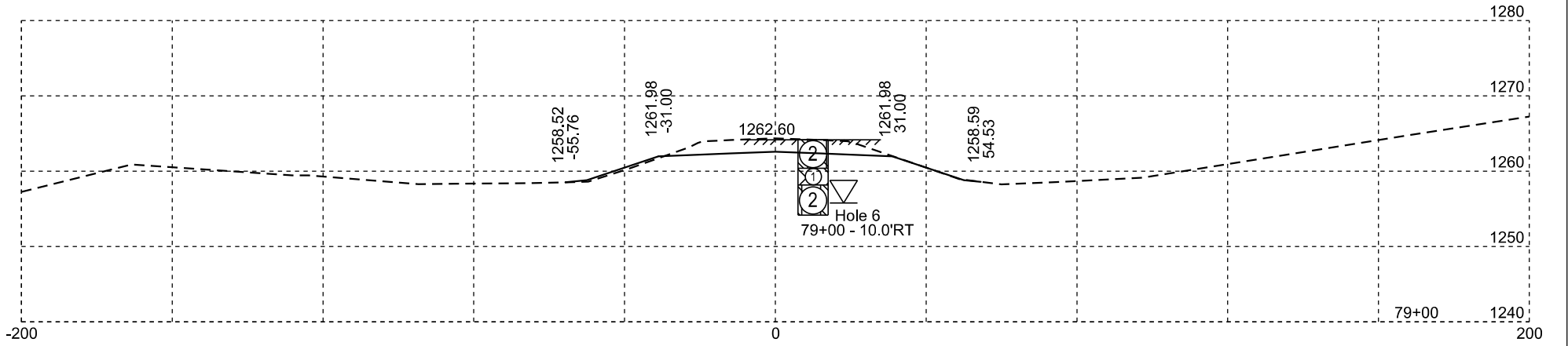
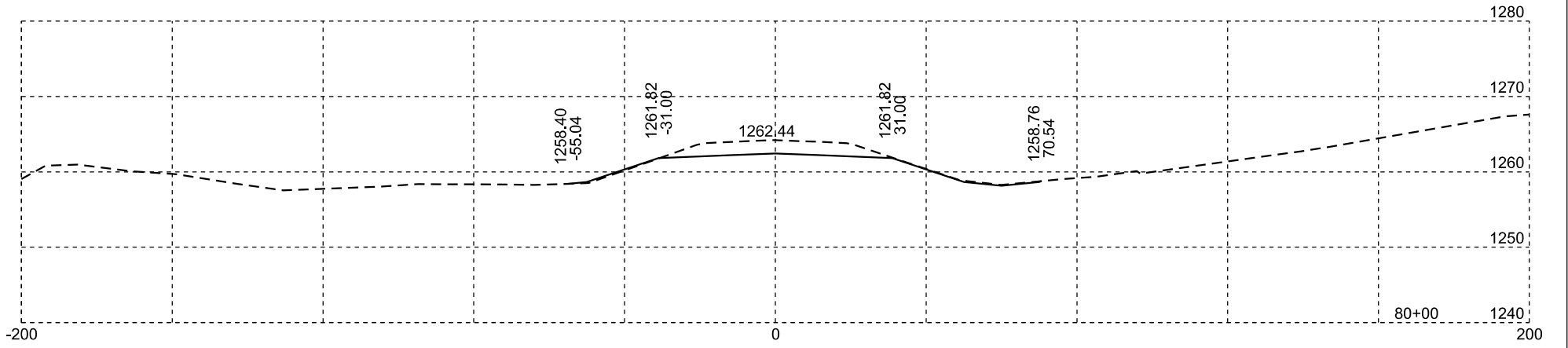
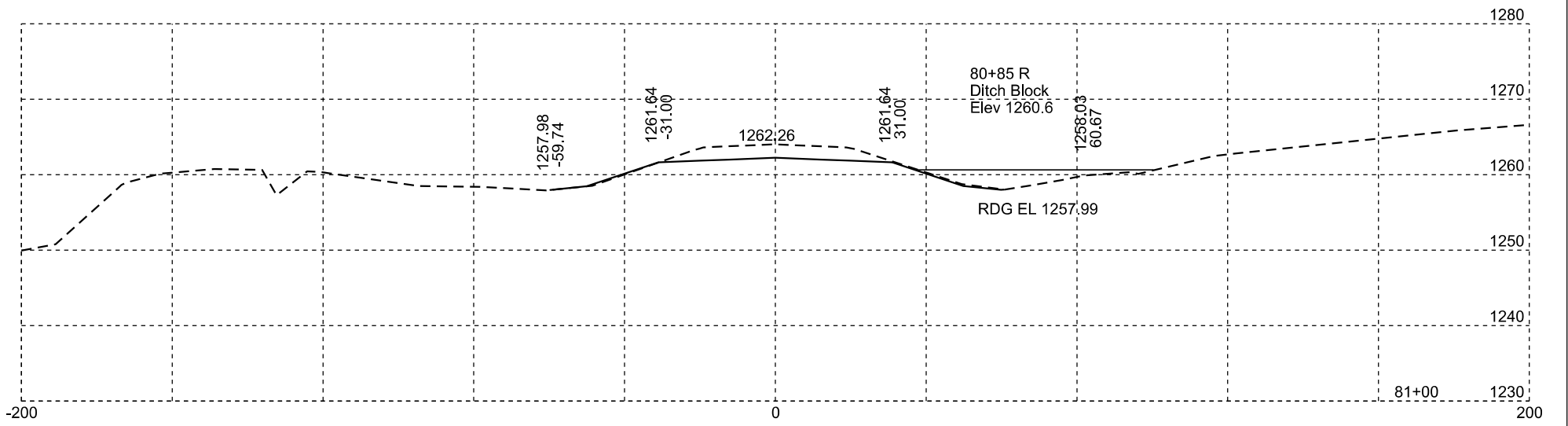
Plotting Date: 11/05/2024

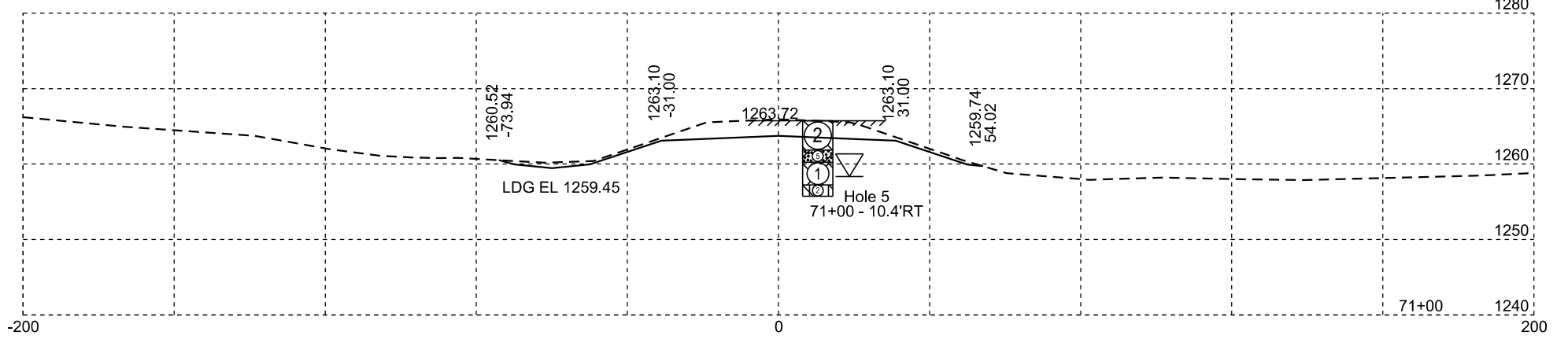
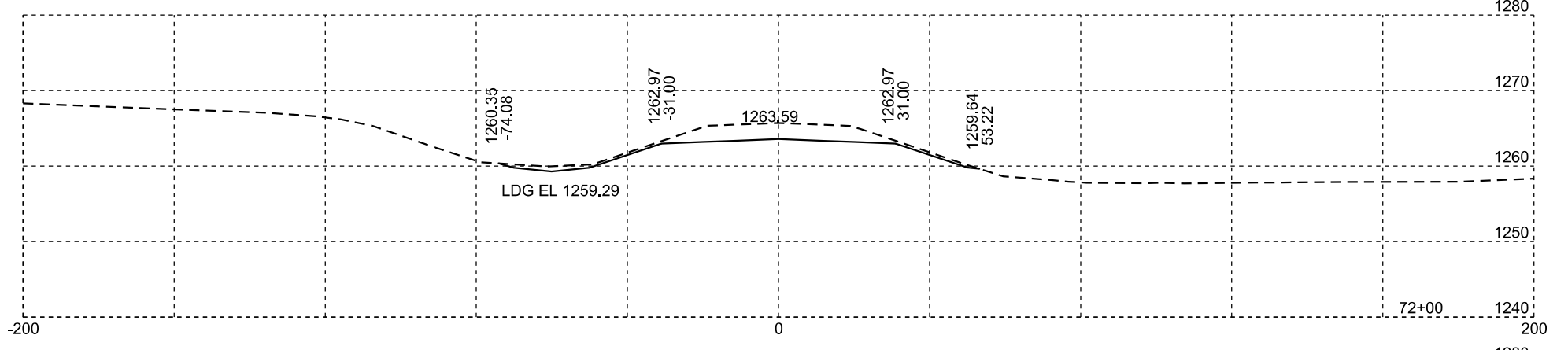
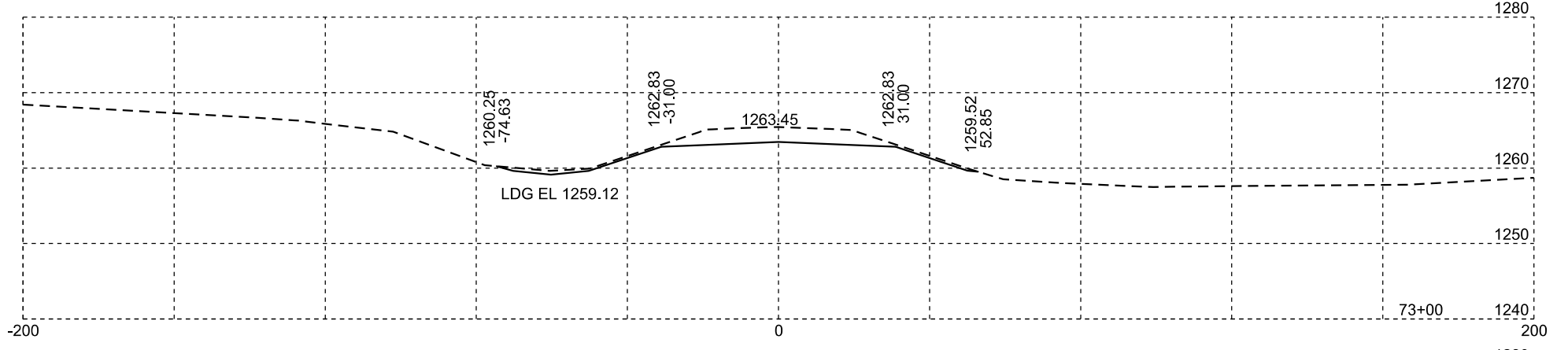
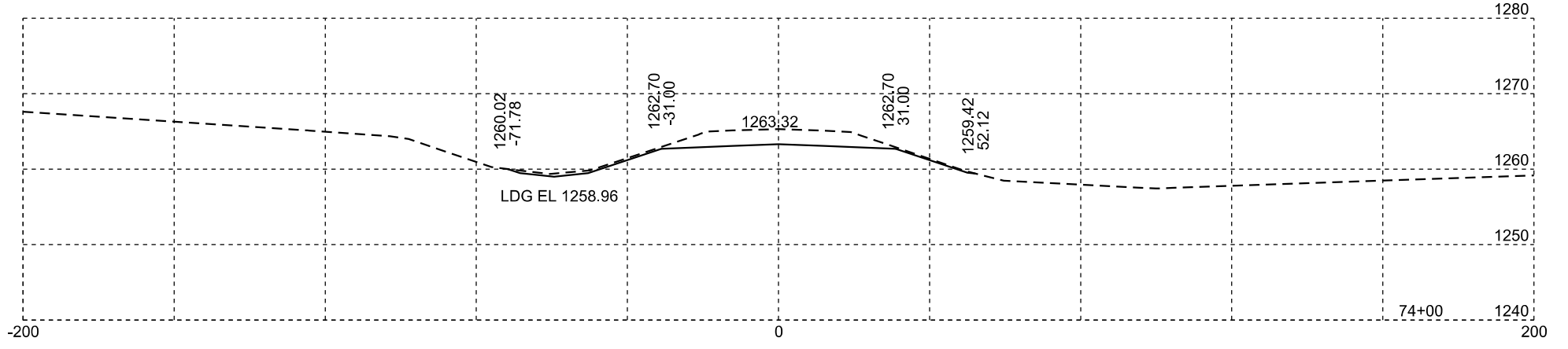
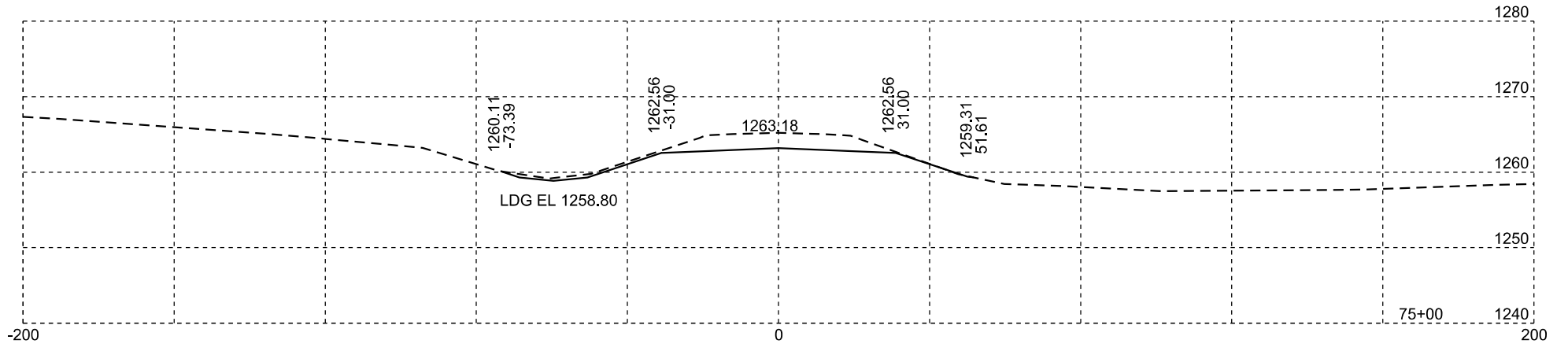
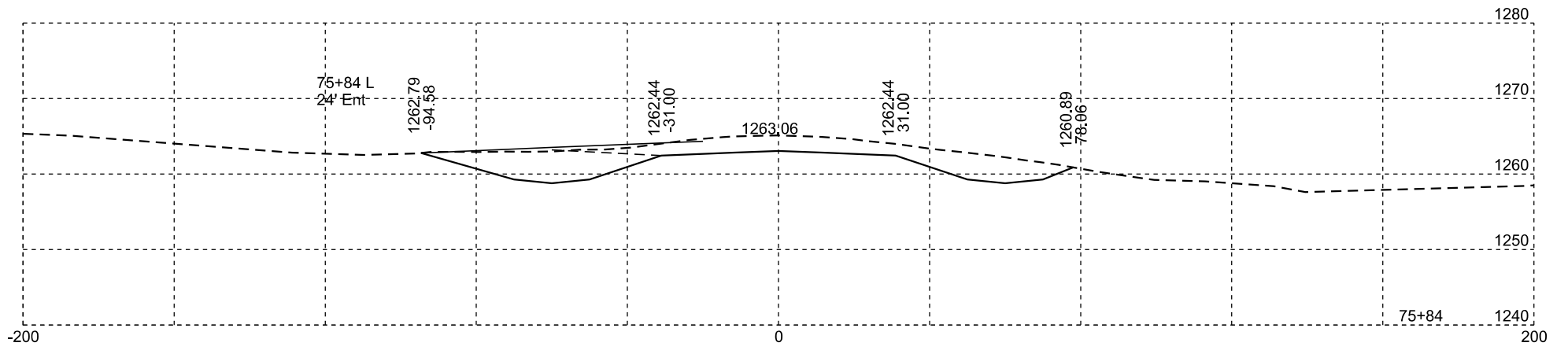
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 36	X57

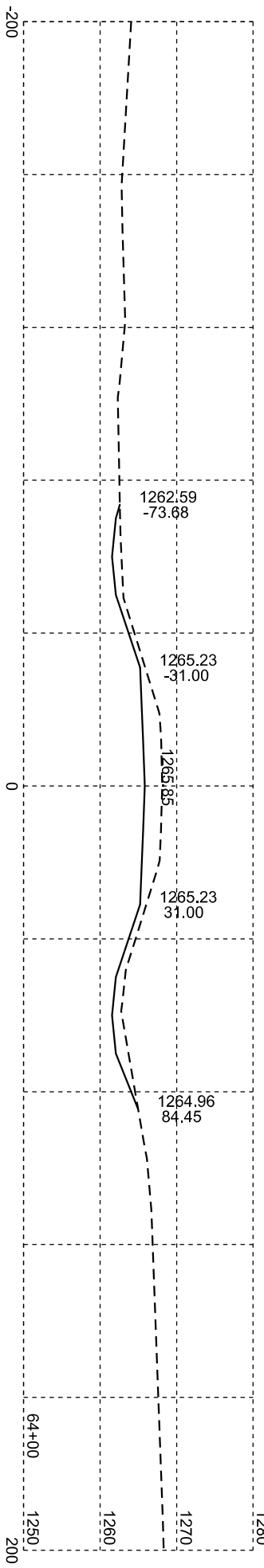
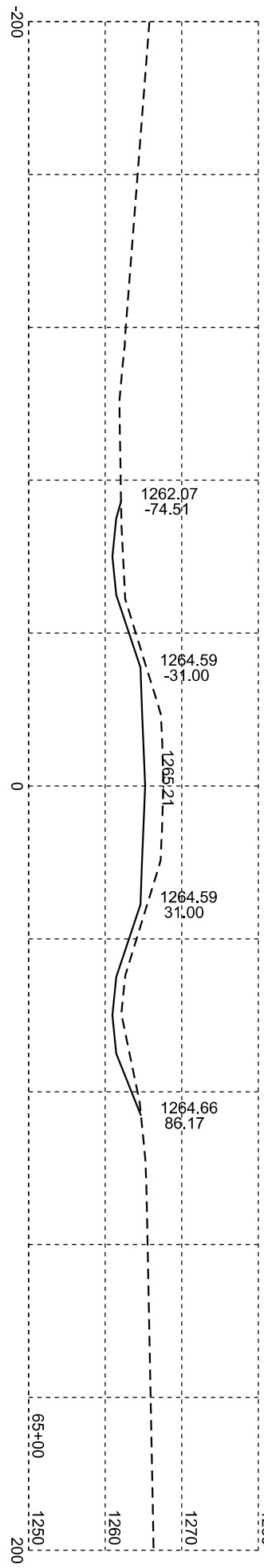
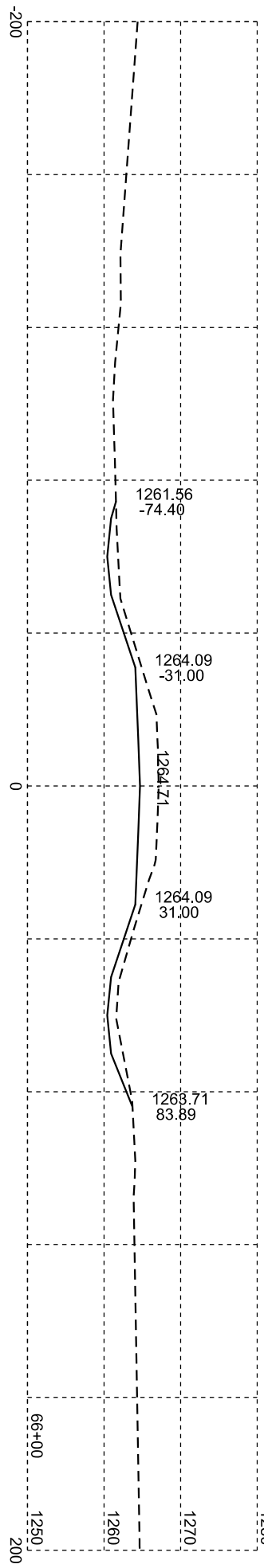
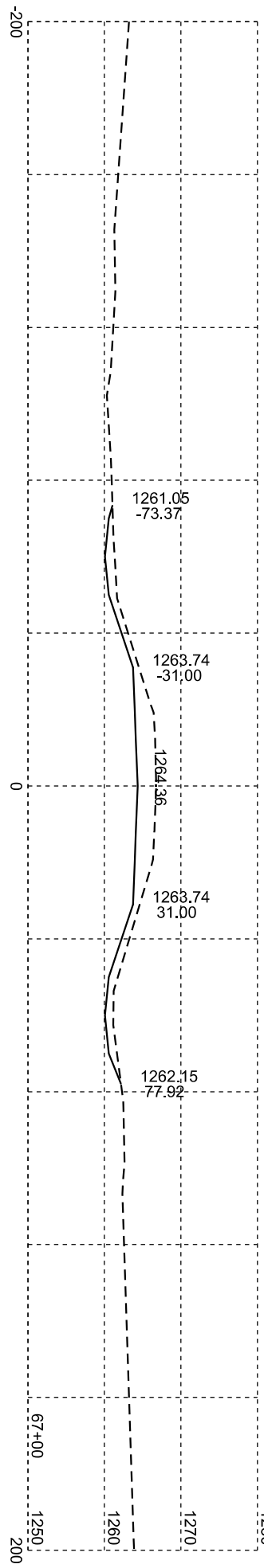
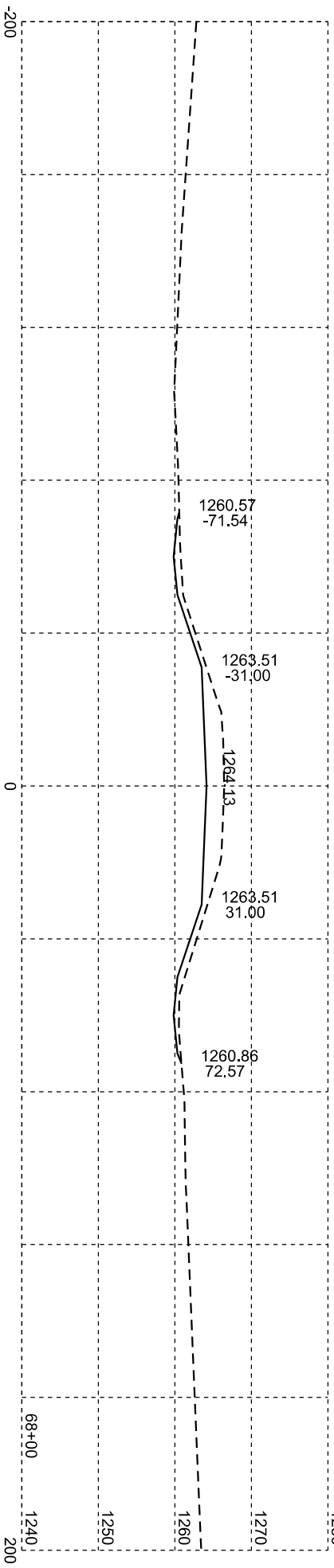
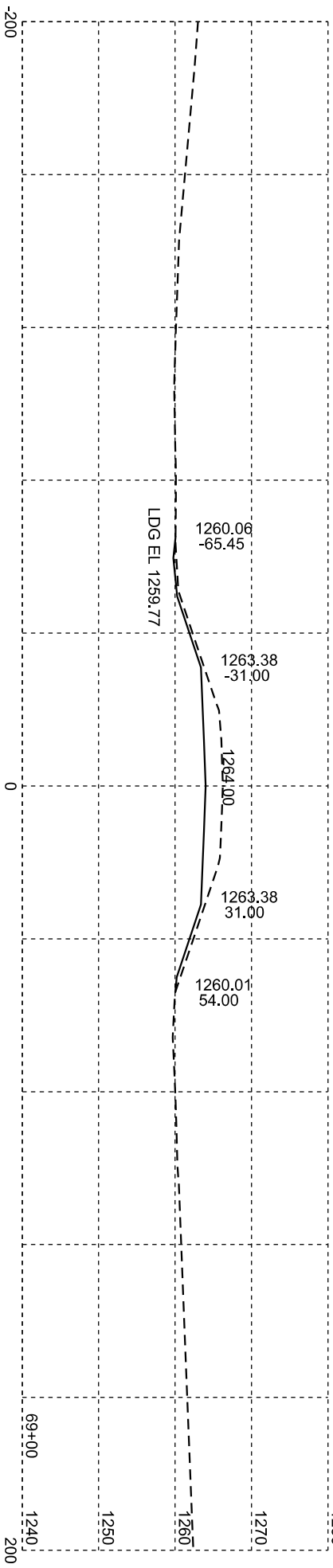
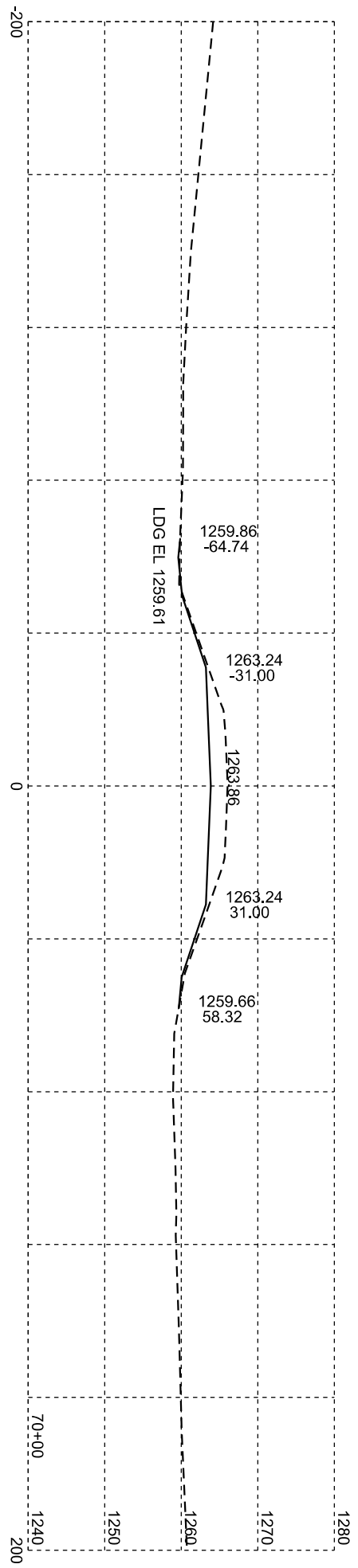


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STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 37	X57



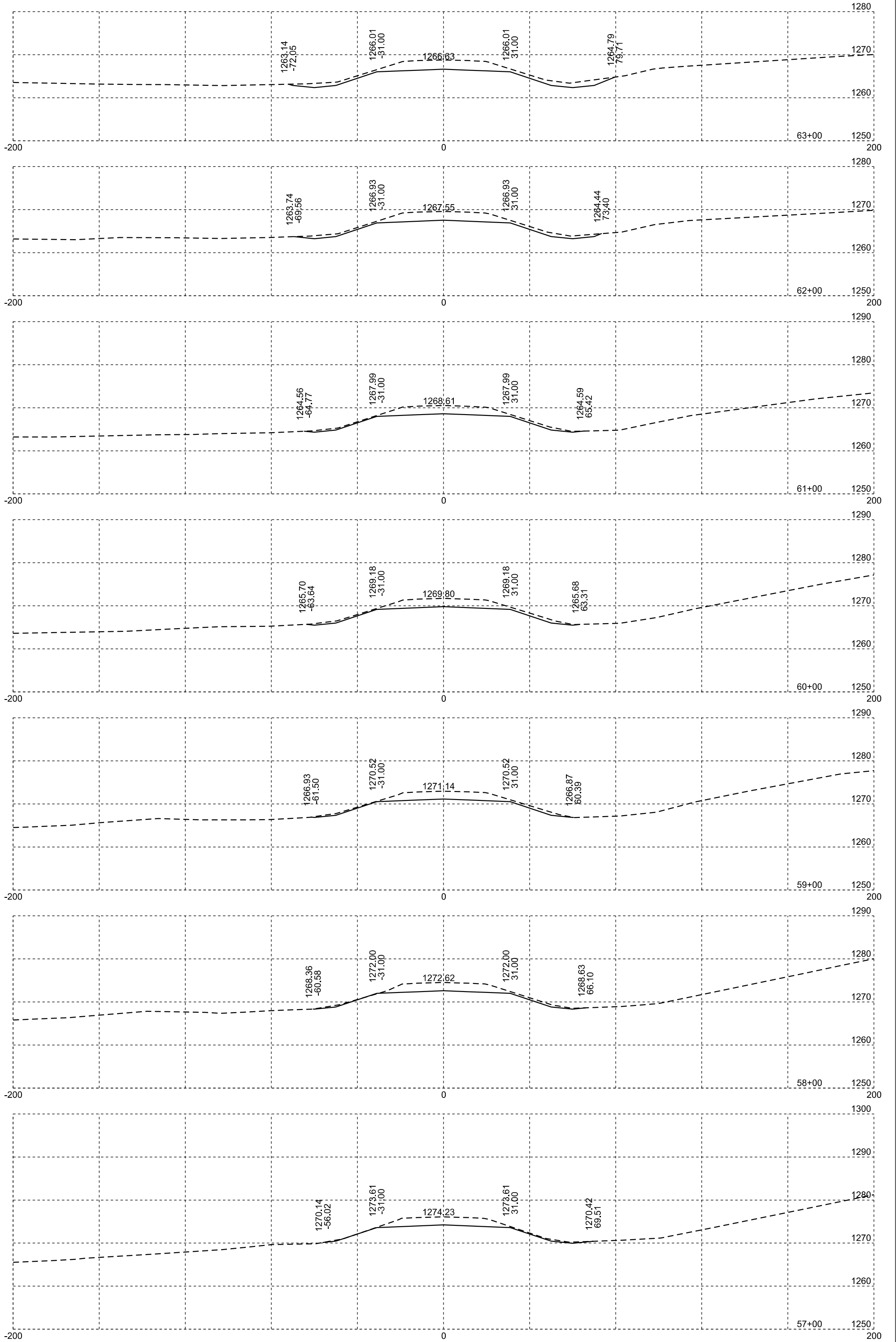




Plotting Date: 11/05/2024

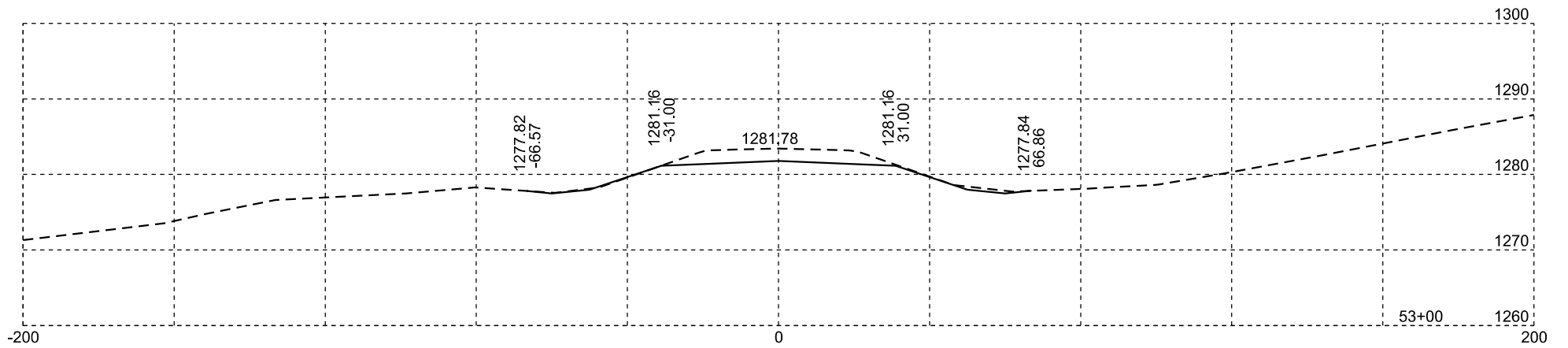
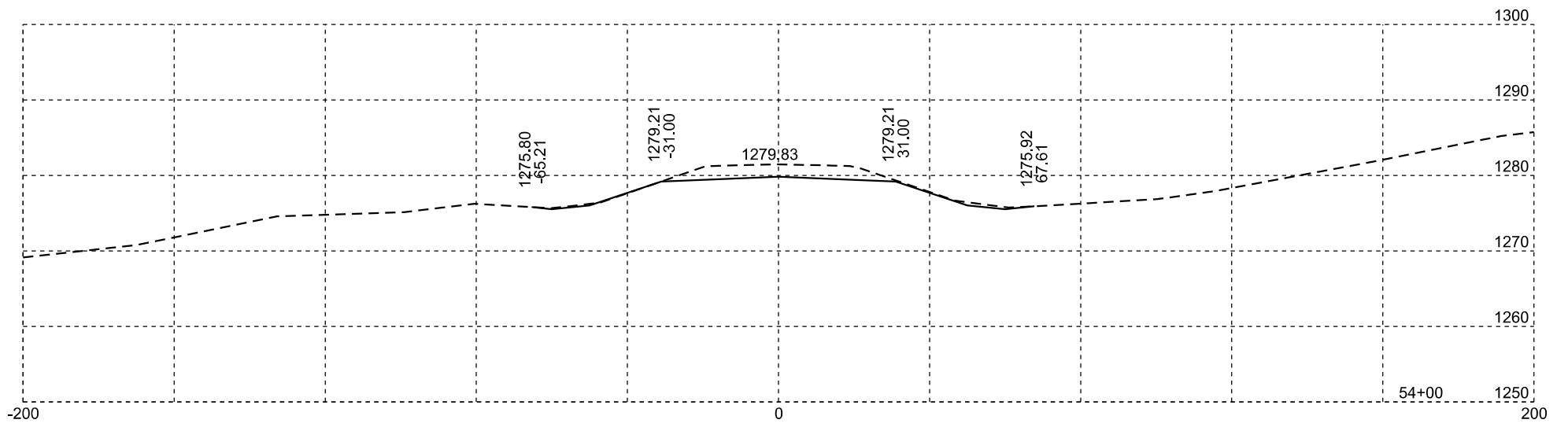
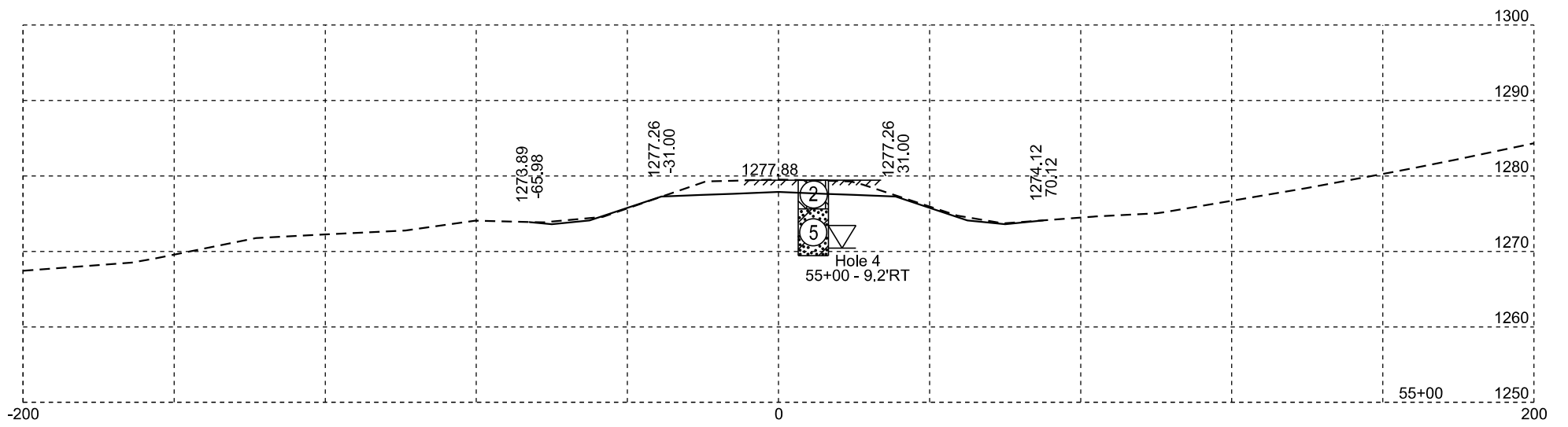
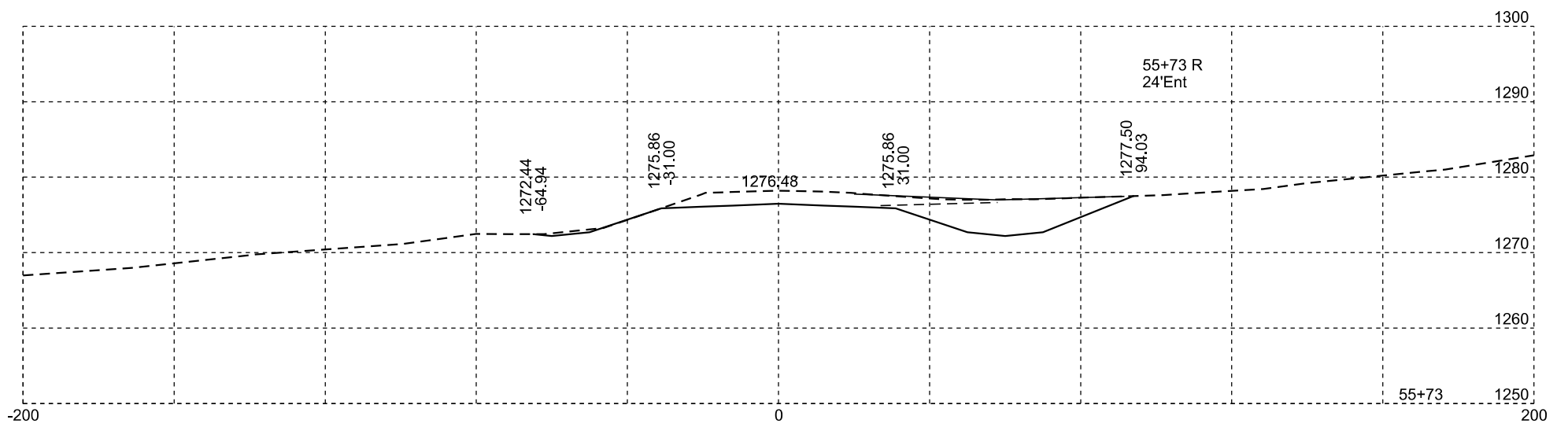
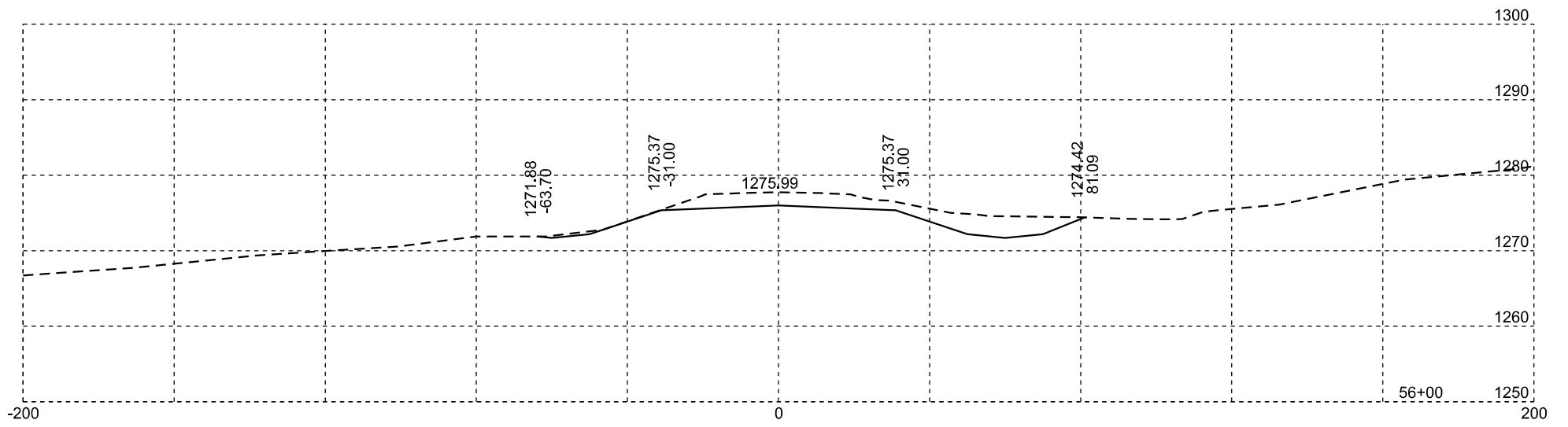
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 40	X 57





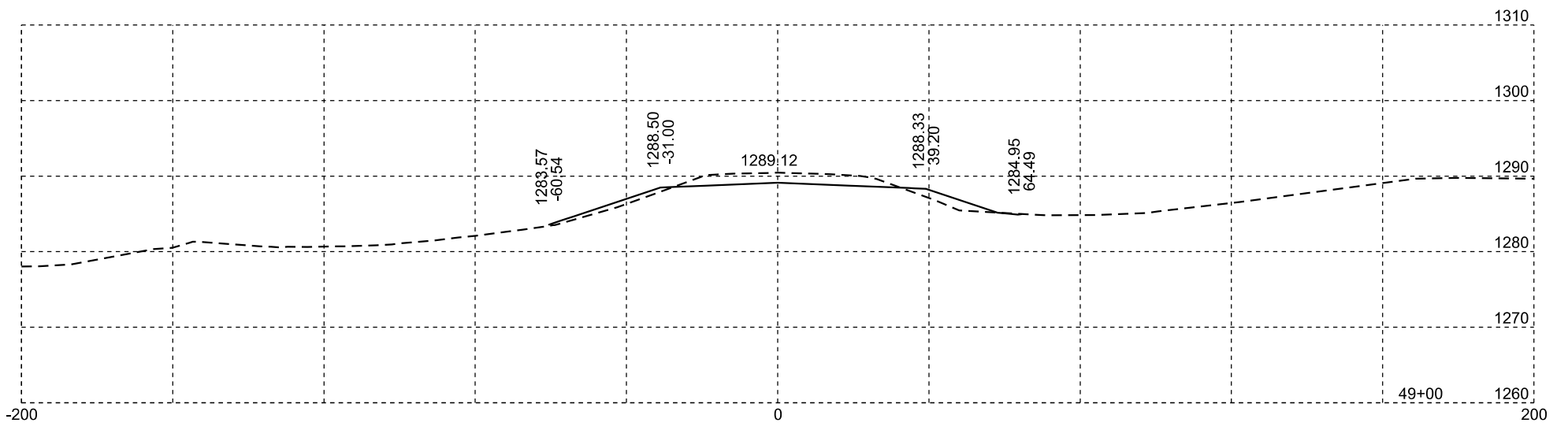
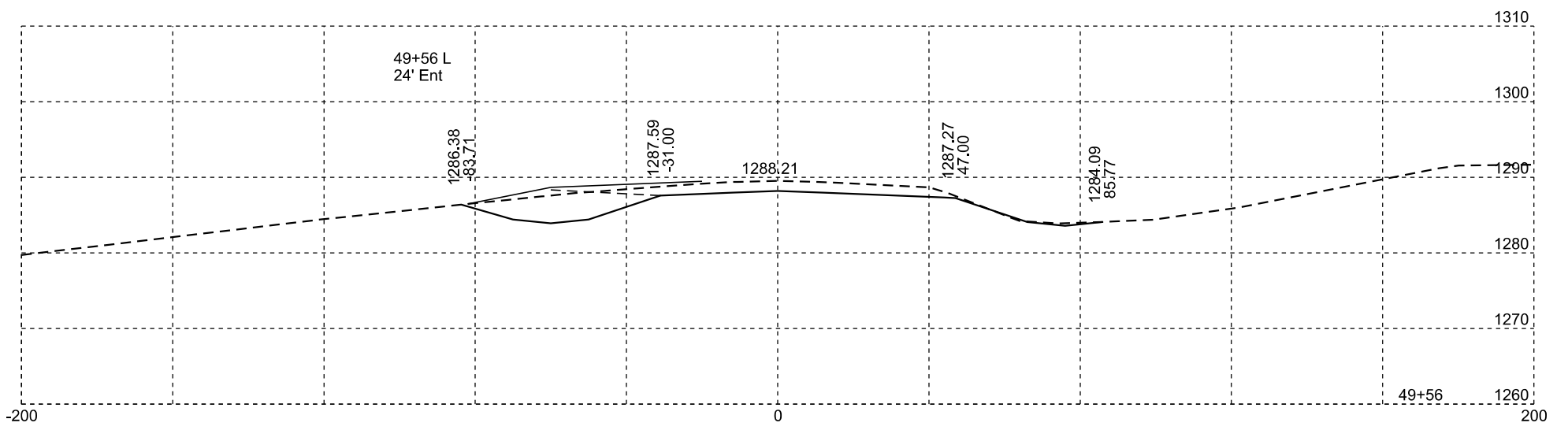
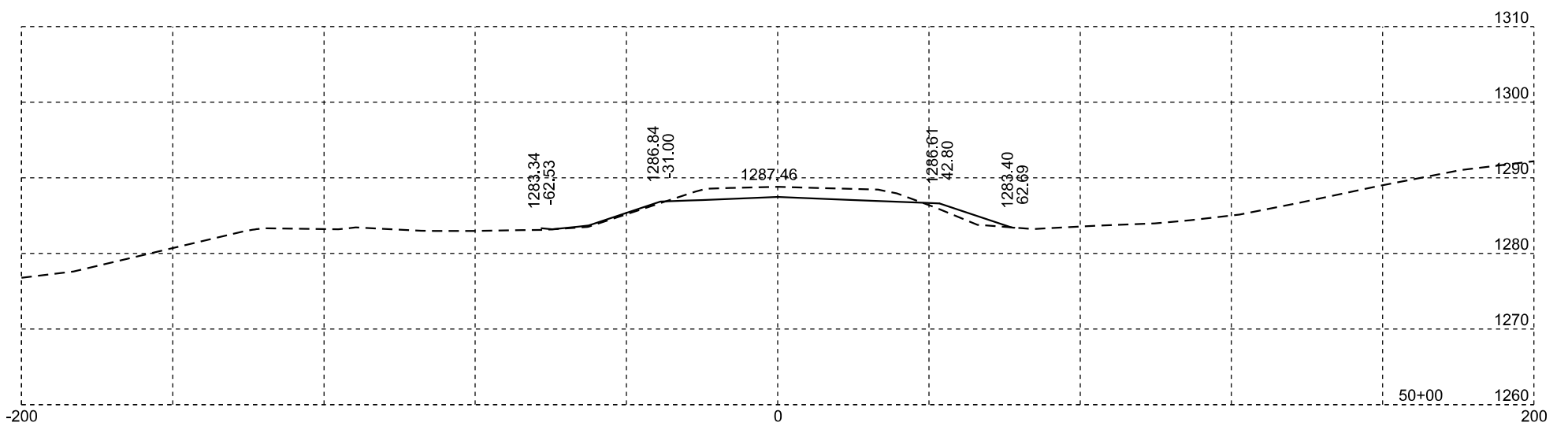
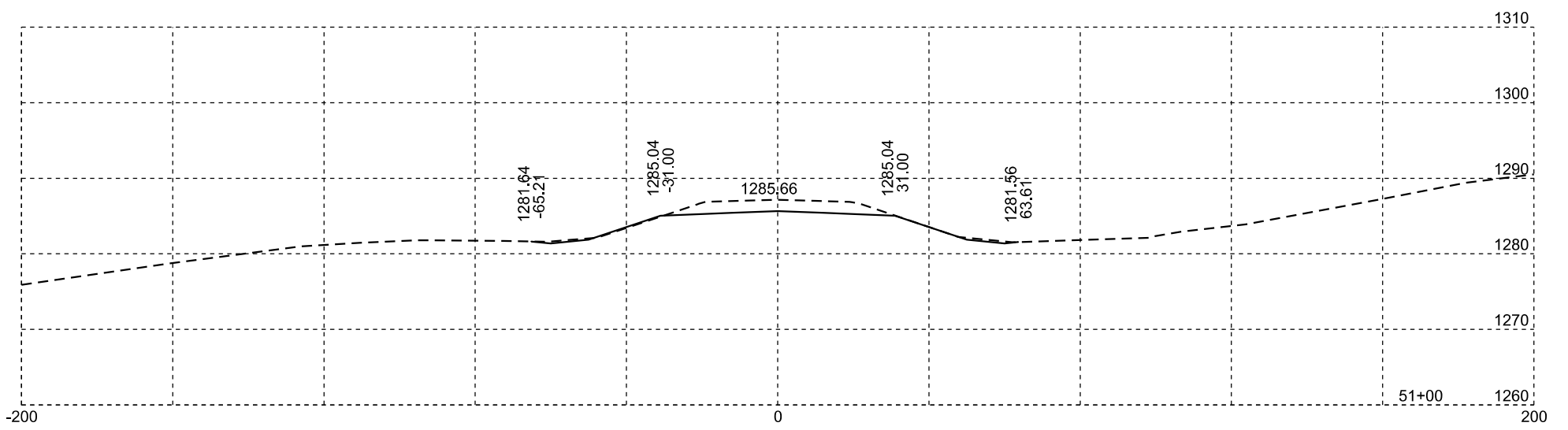
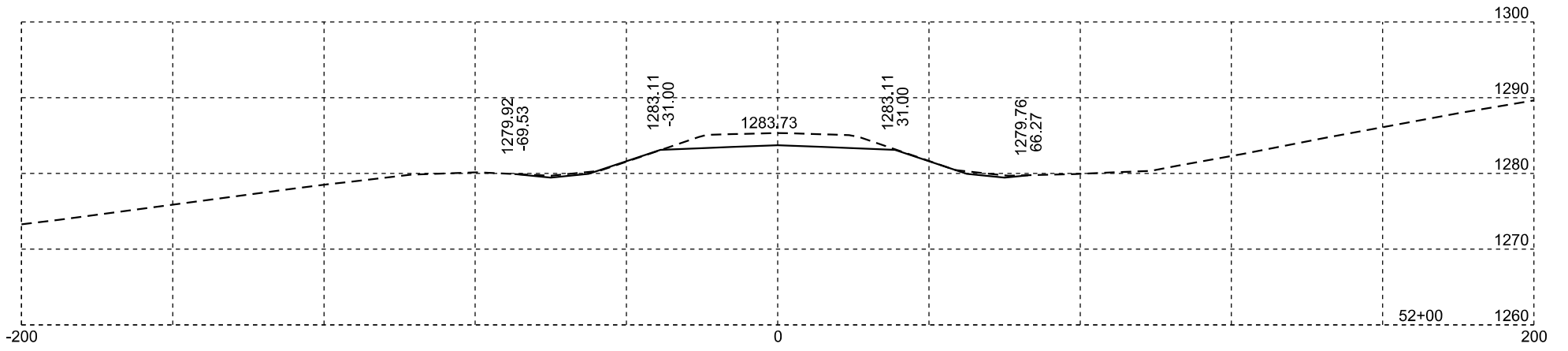
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 41	X57



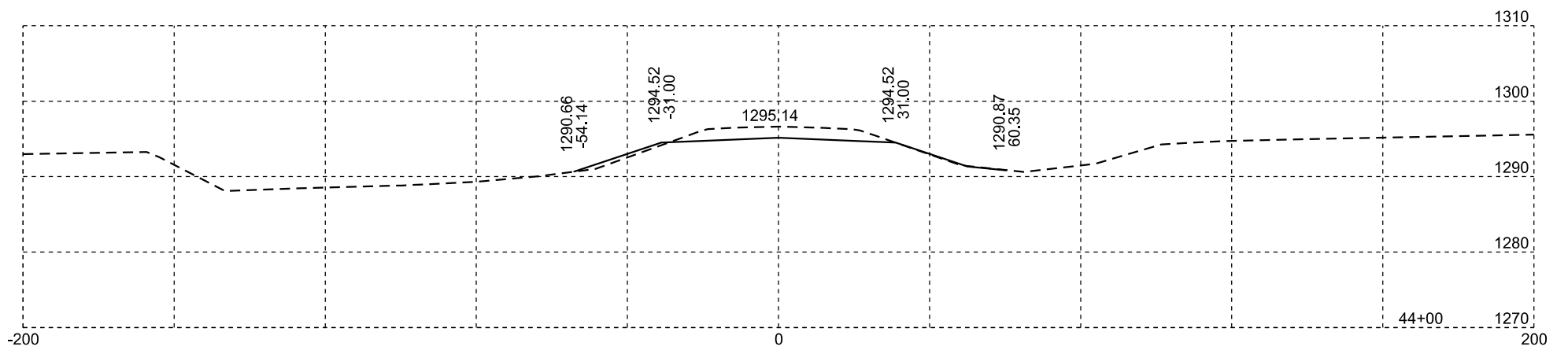
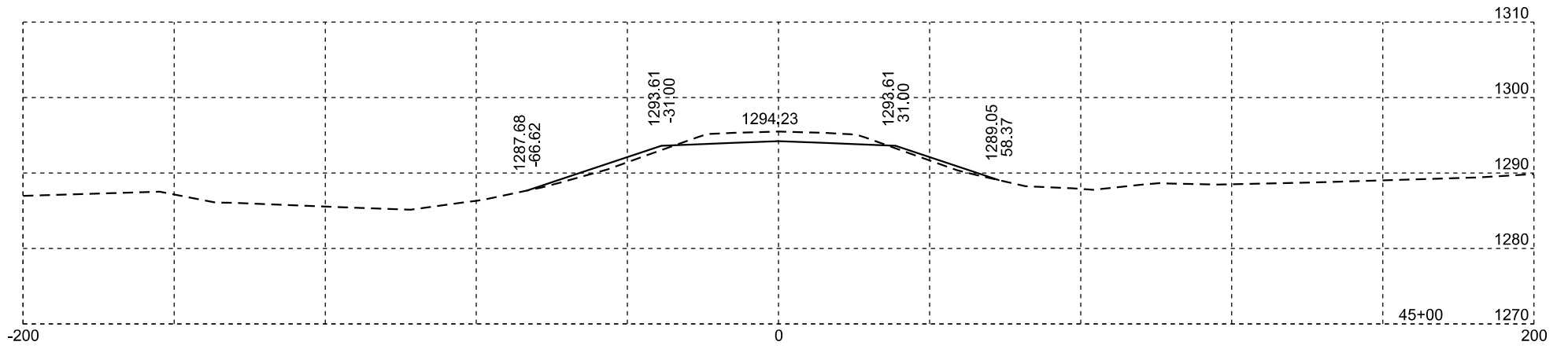
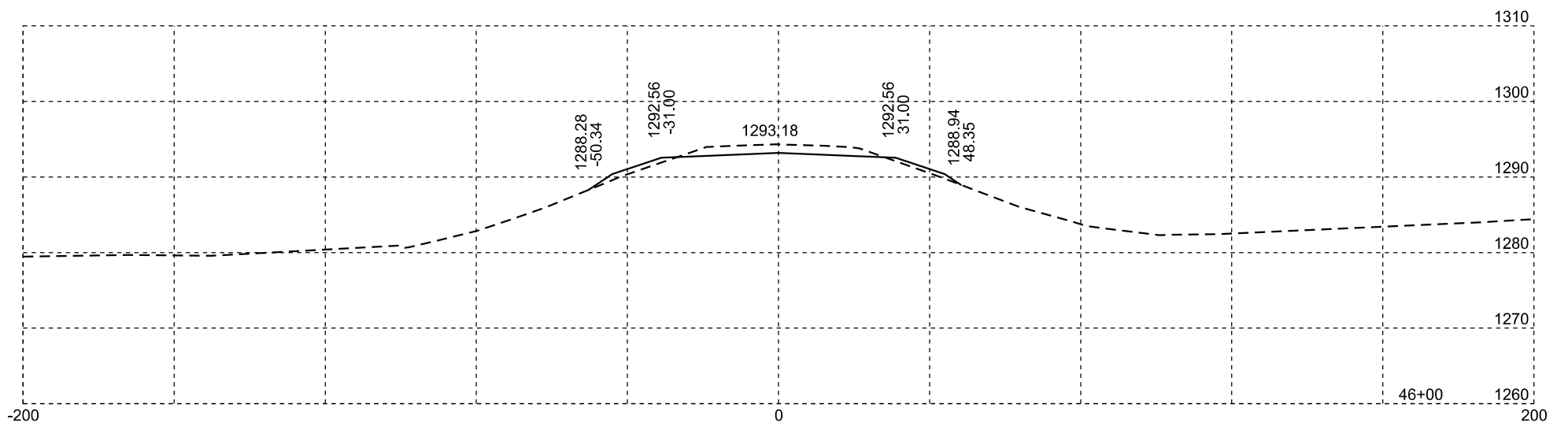
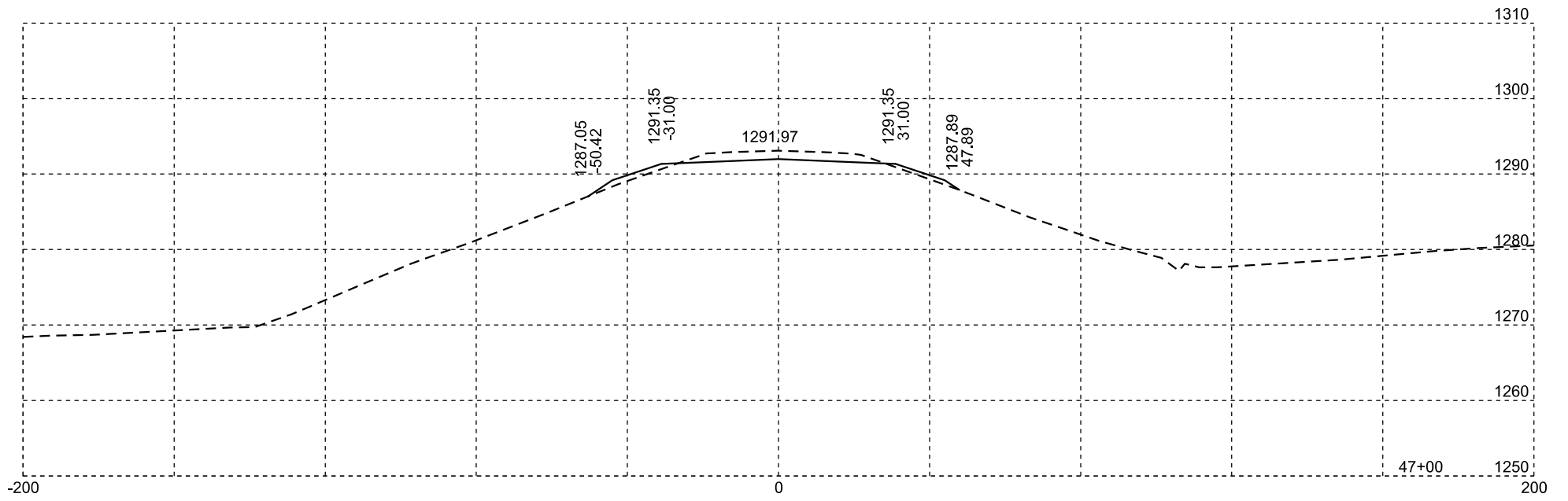
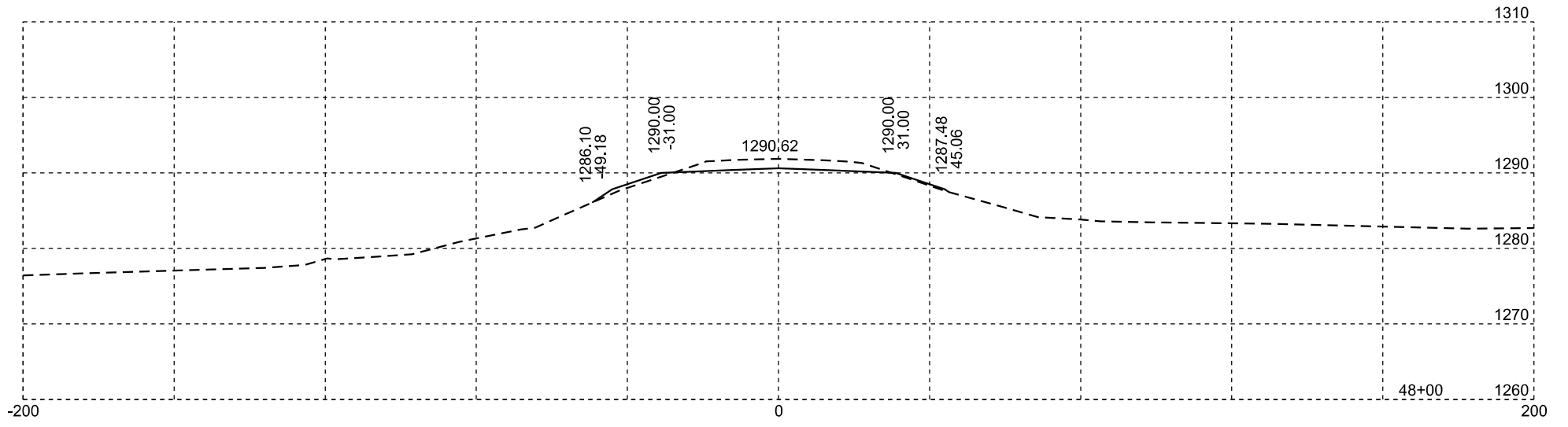
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 42	X57



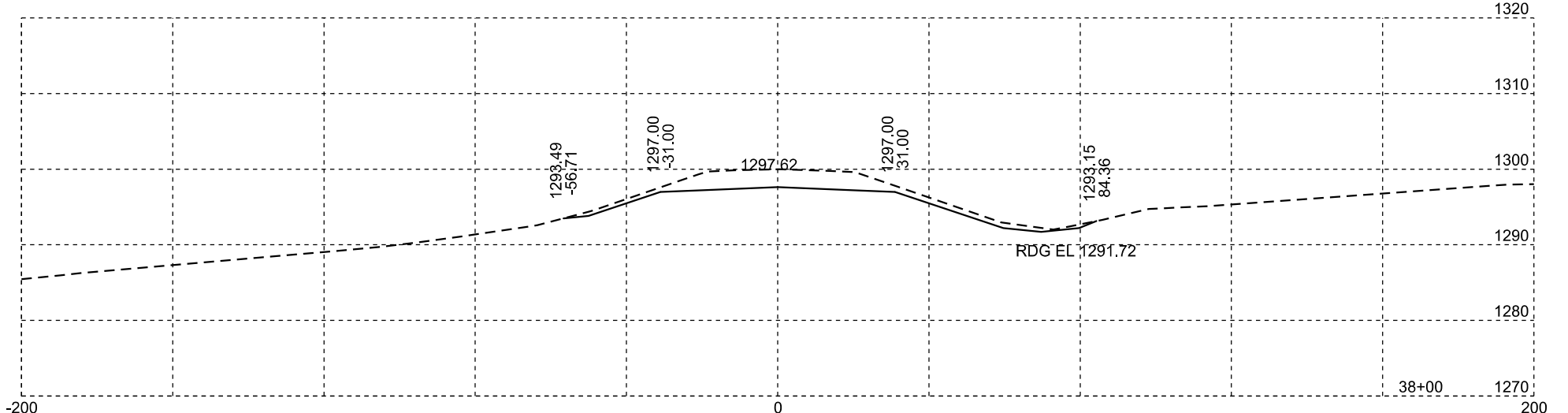
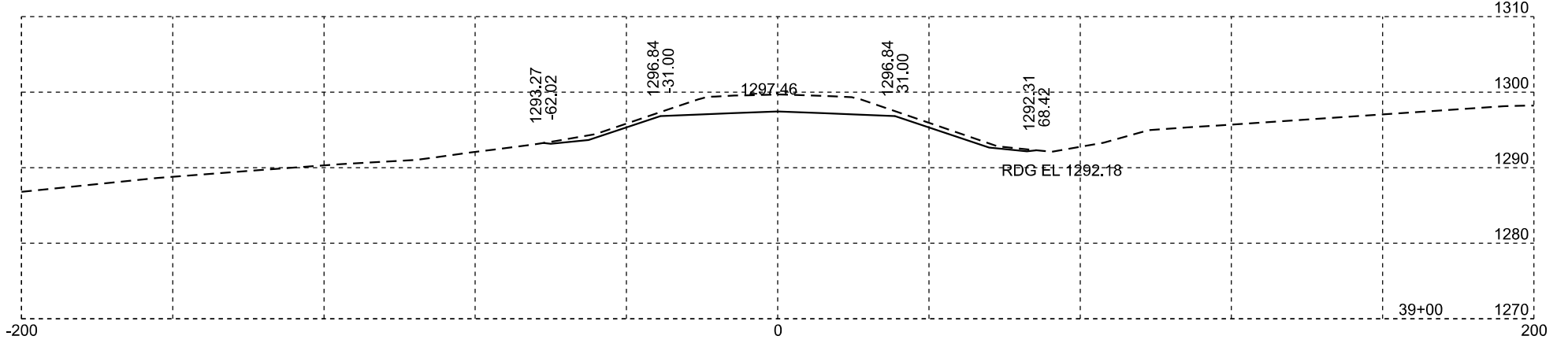
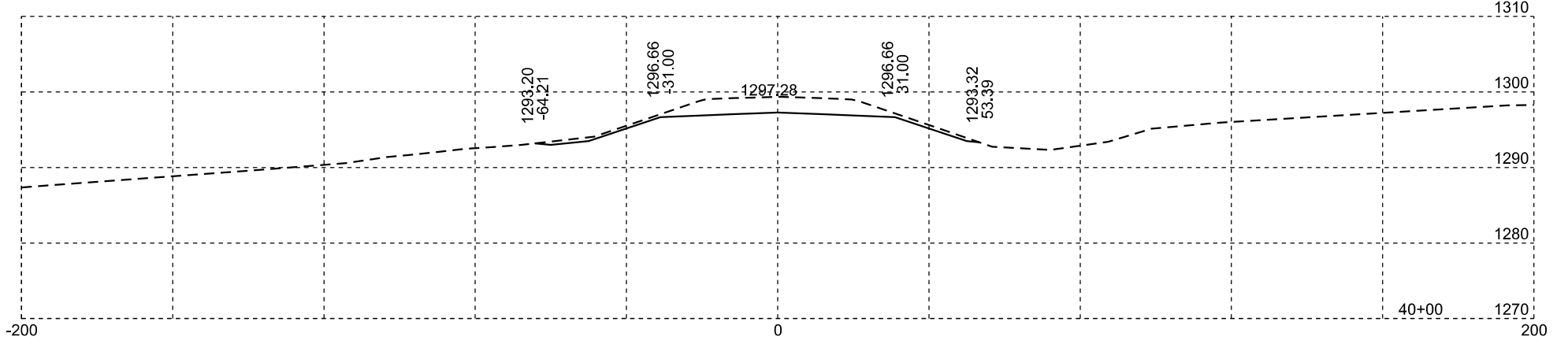
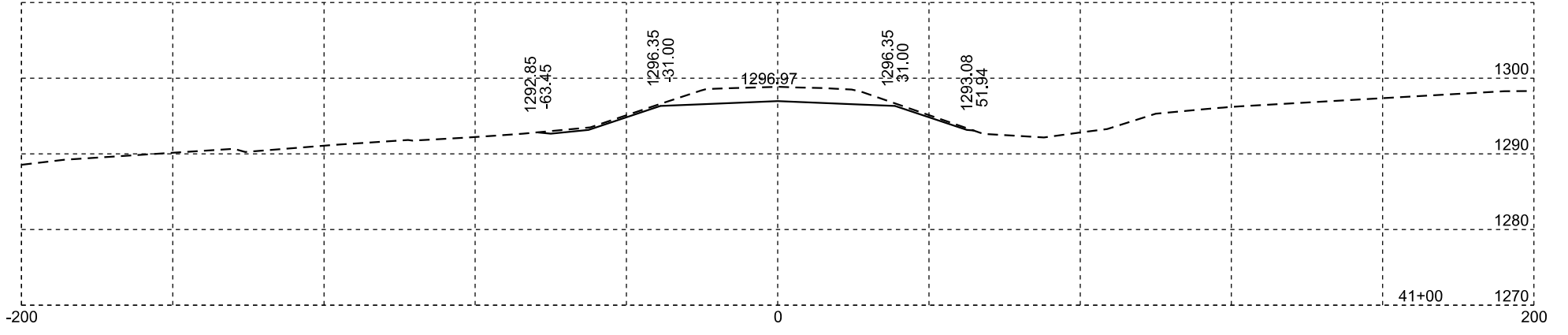
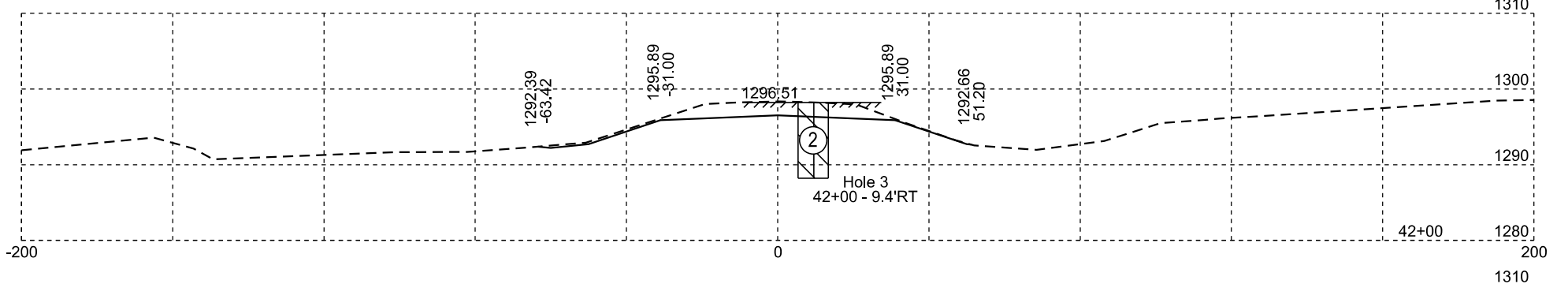
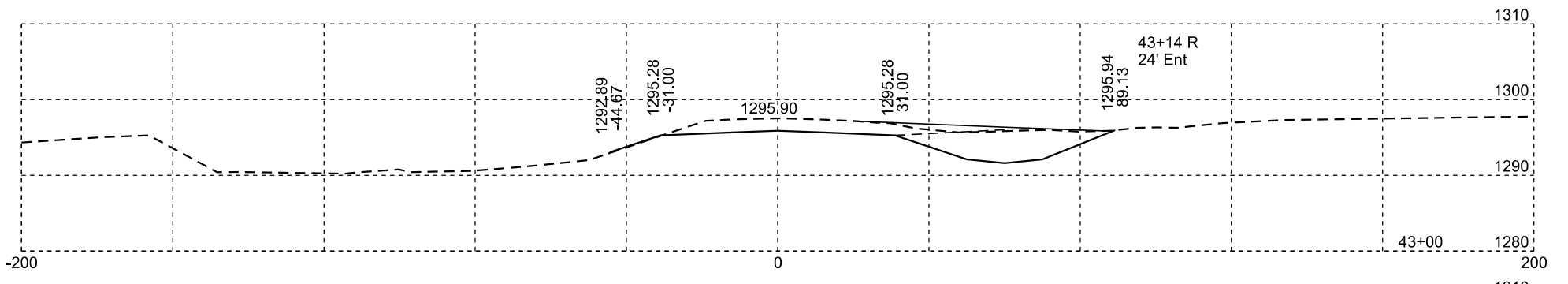
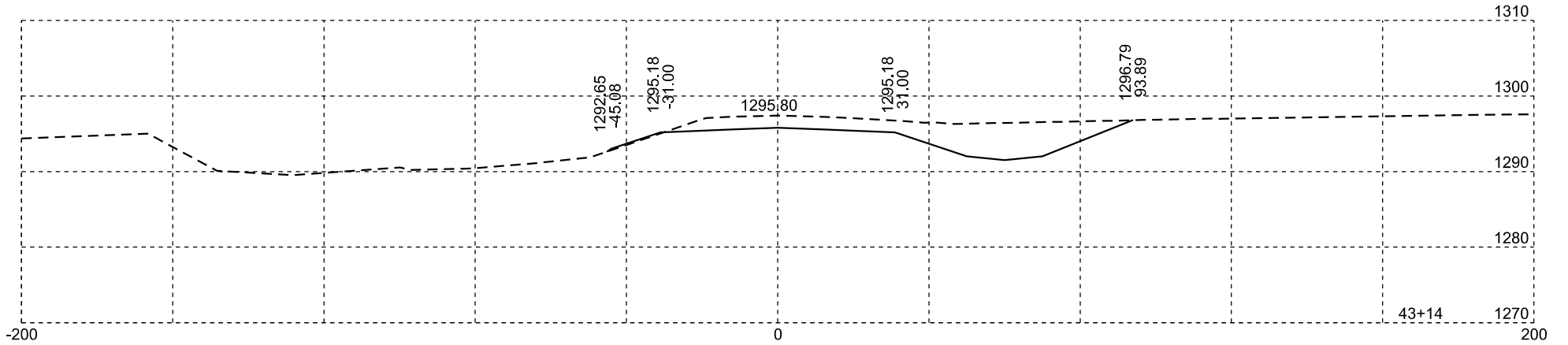
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 43	X57



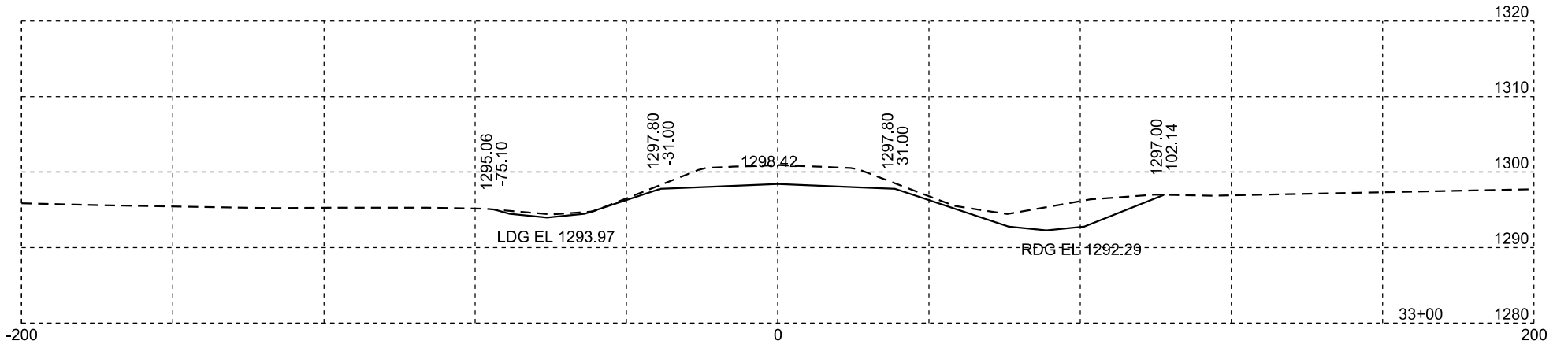
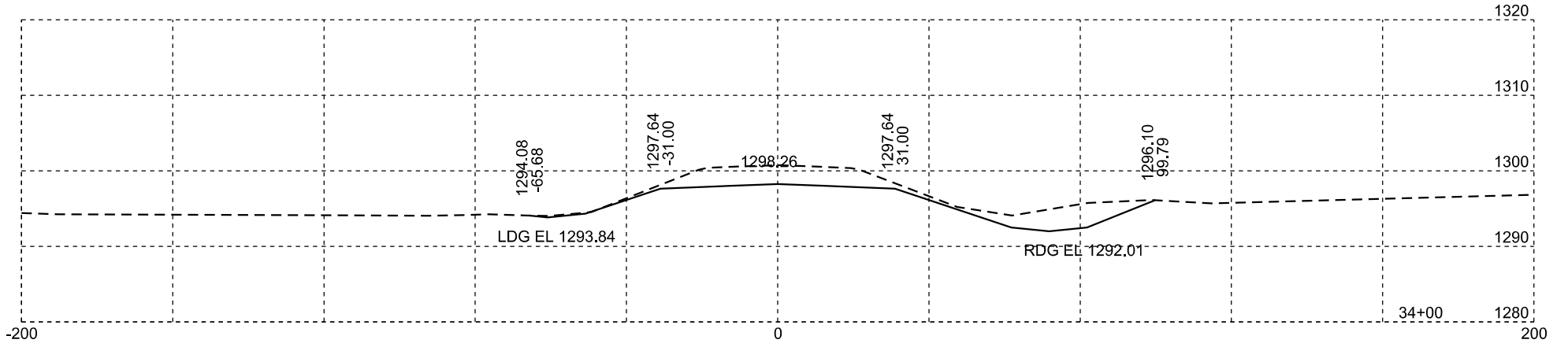
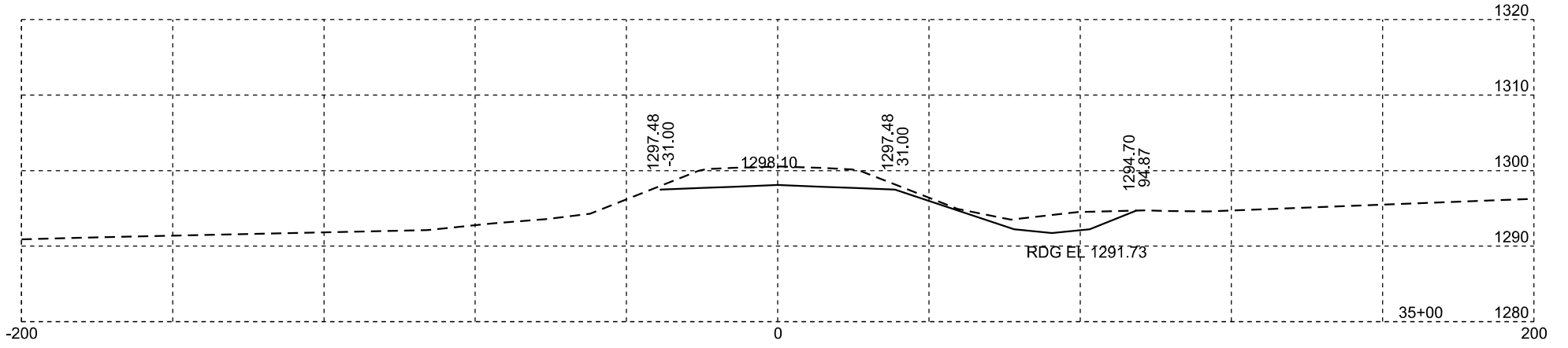
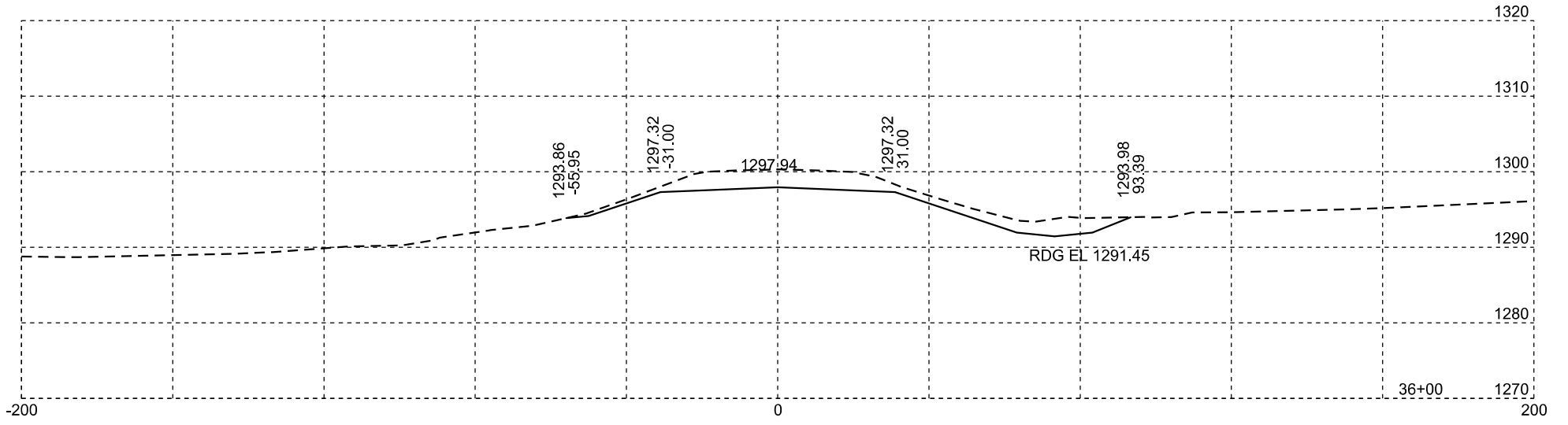
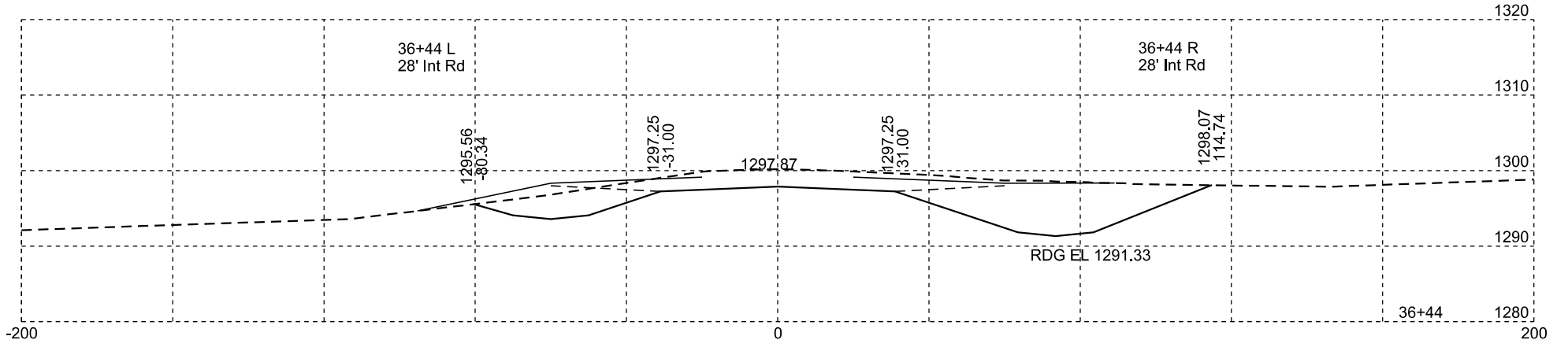
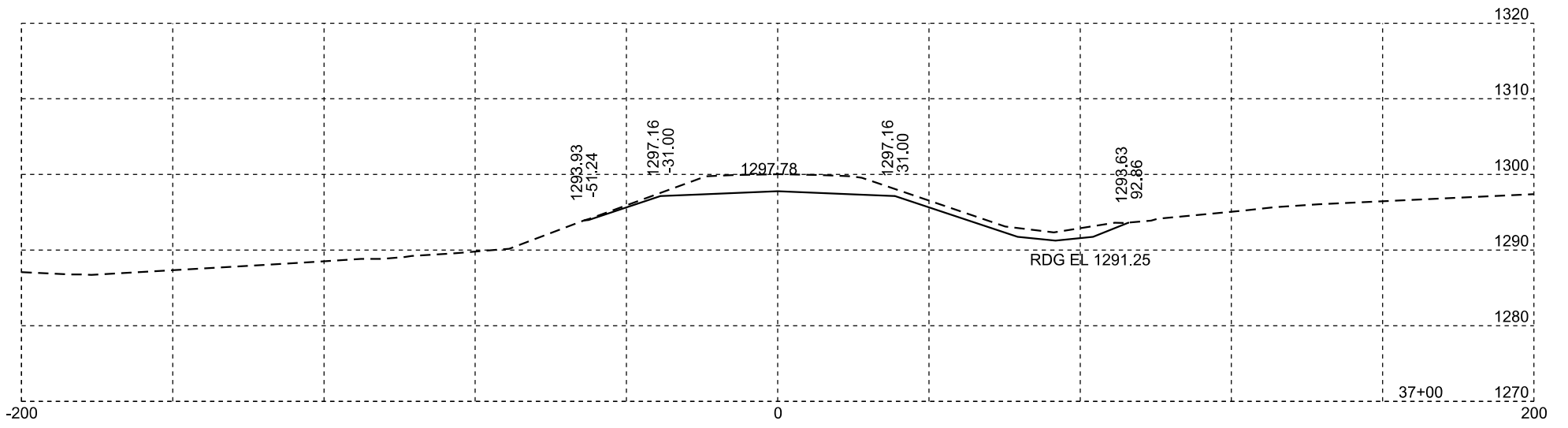
Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 44	X57



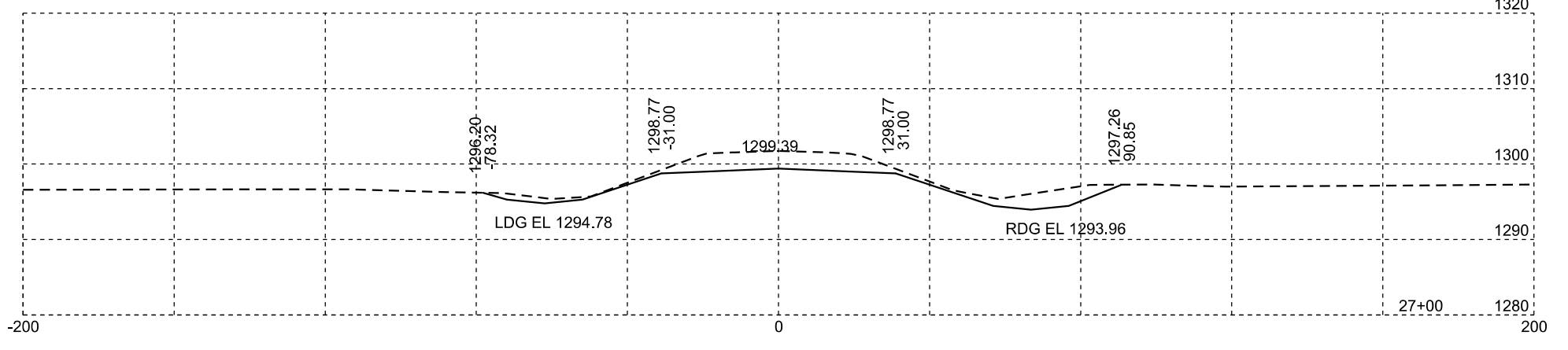
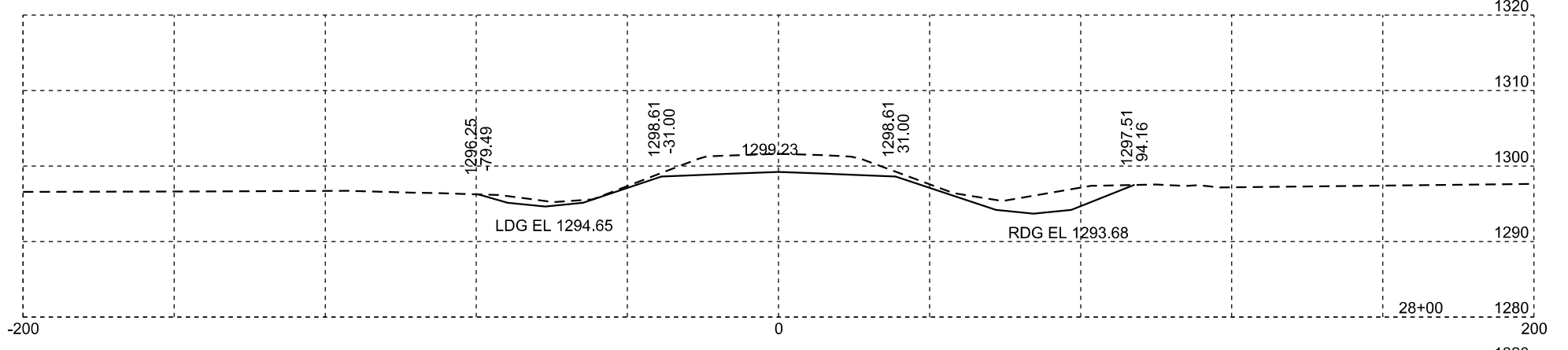
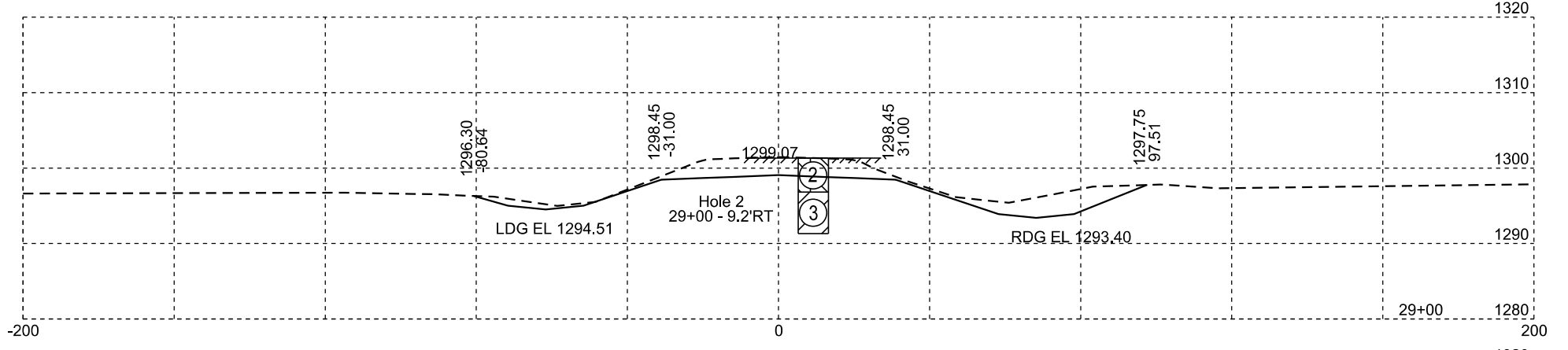
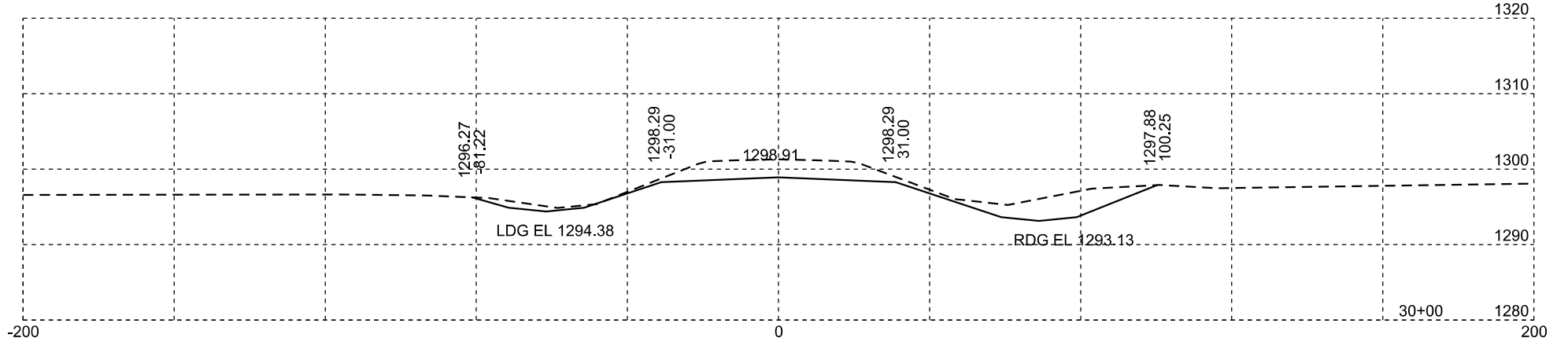
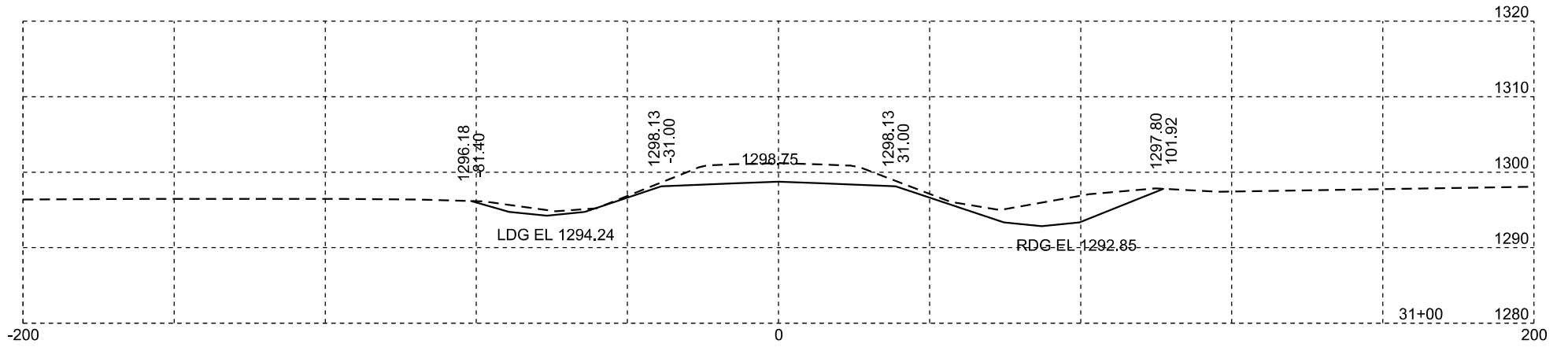
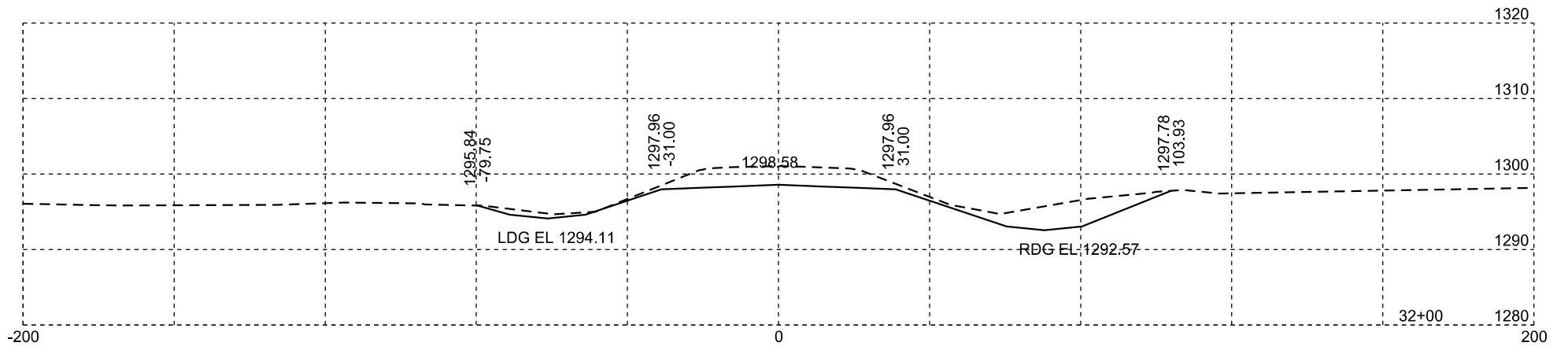
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STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 45	X57



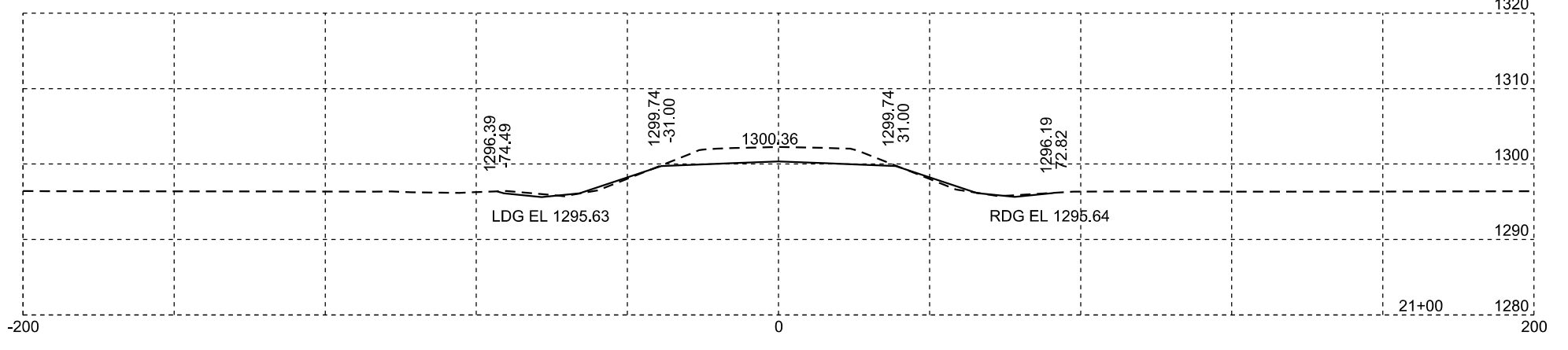
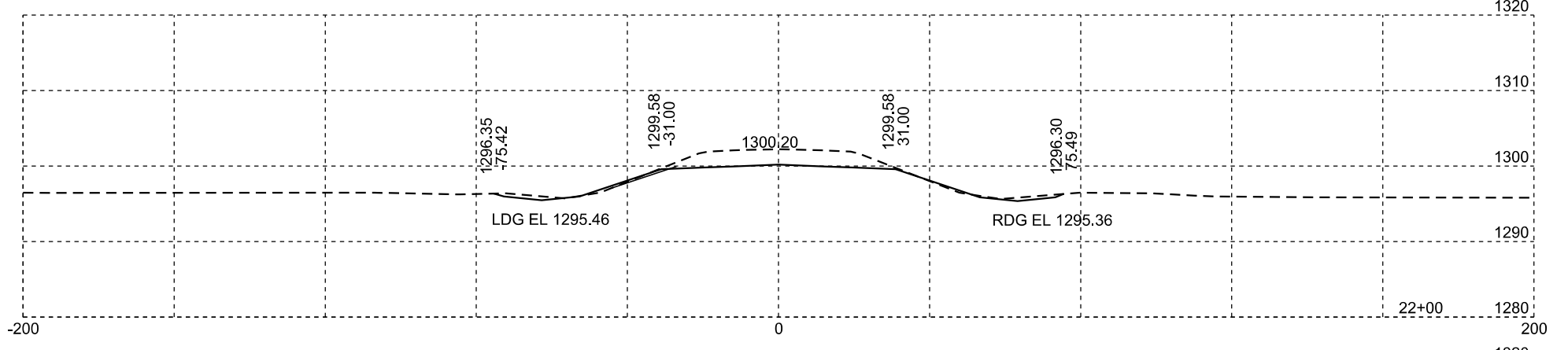
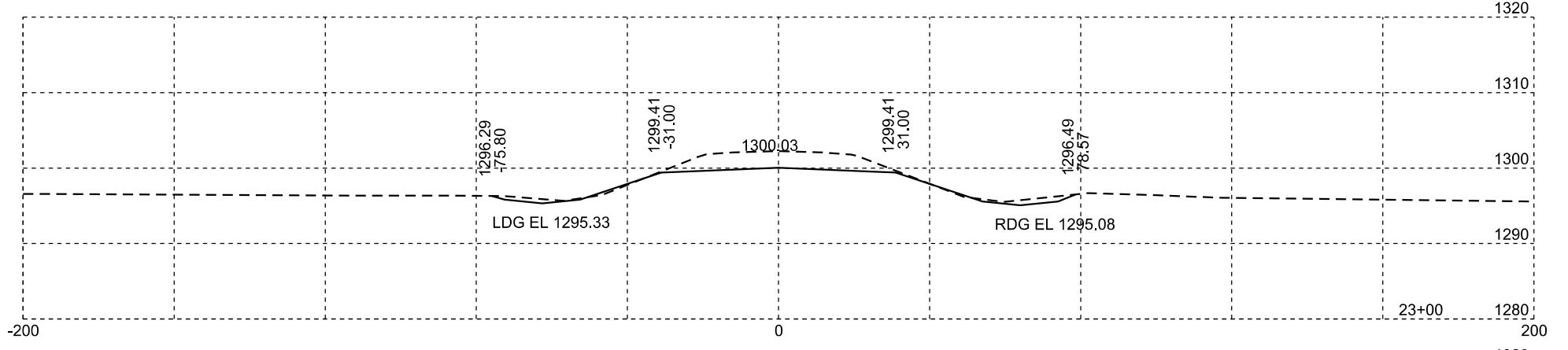
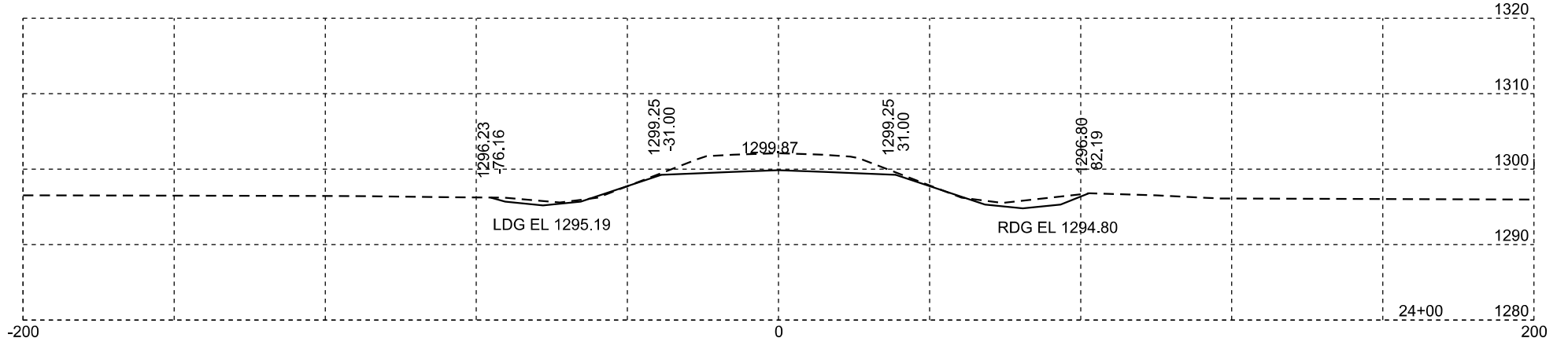
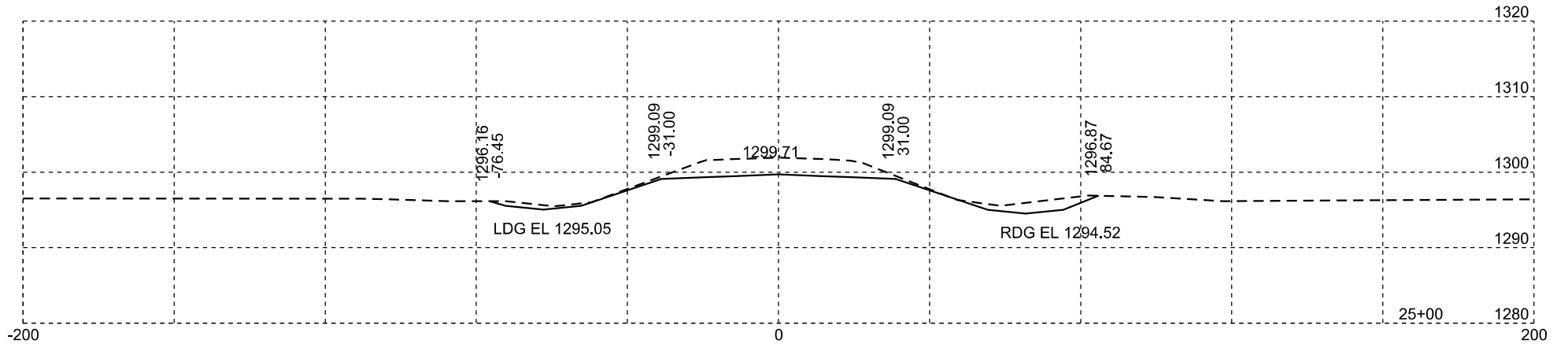
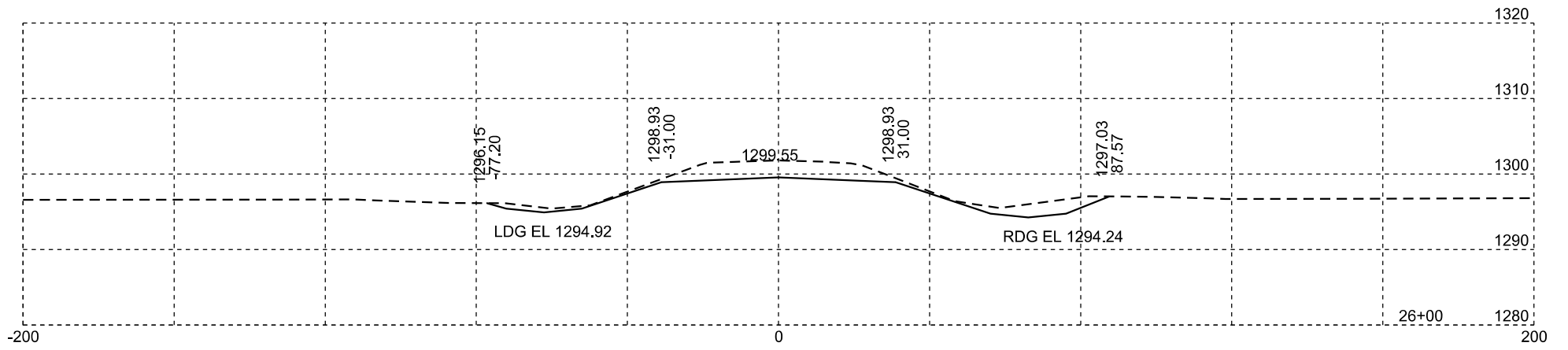
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STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 46	X57



Plotting Date: 11/05/2024

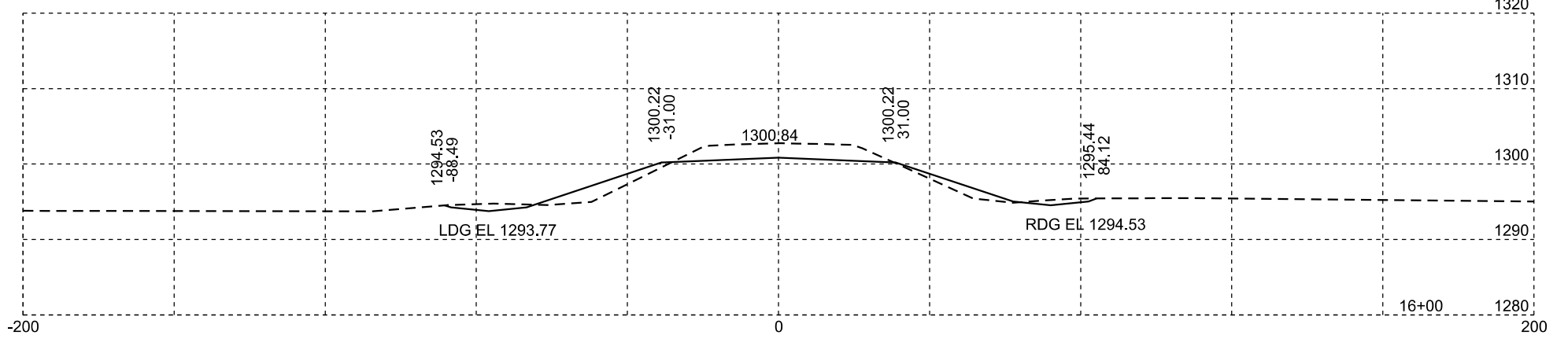
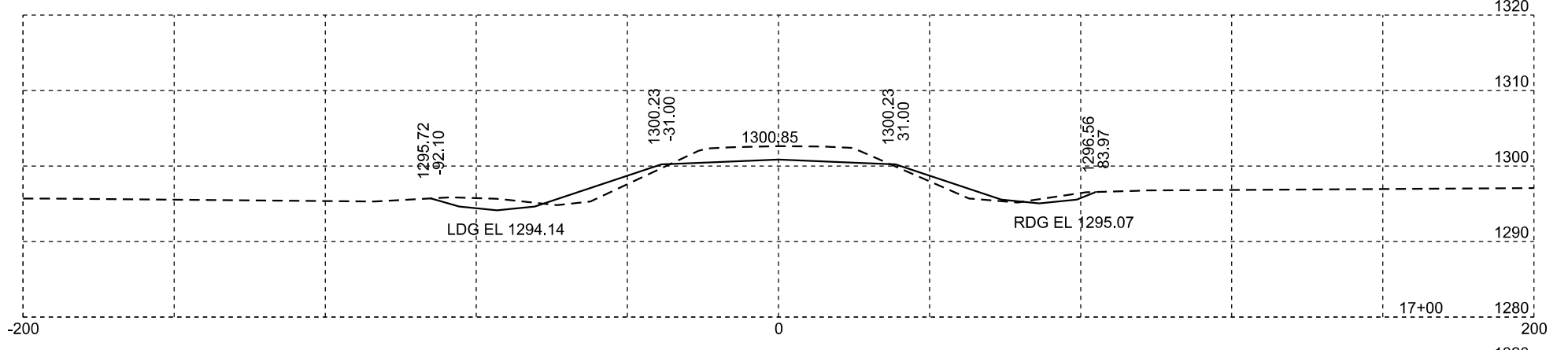
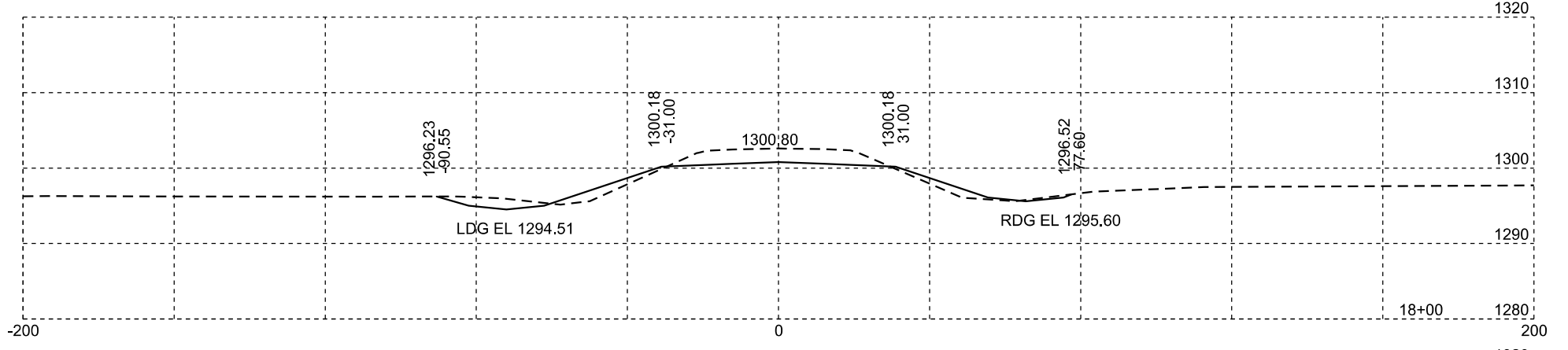
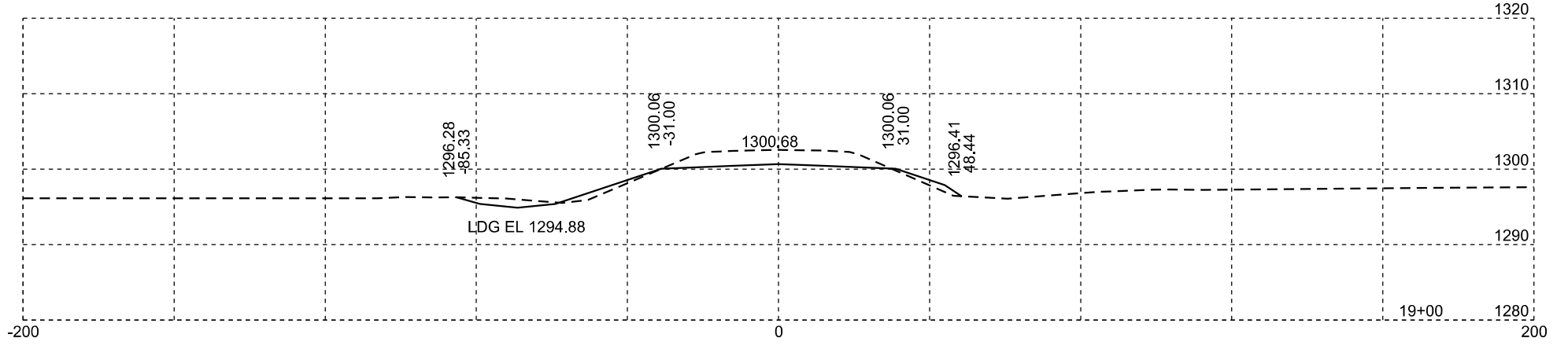
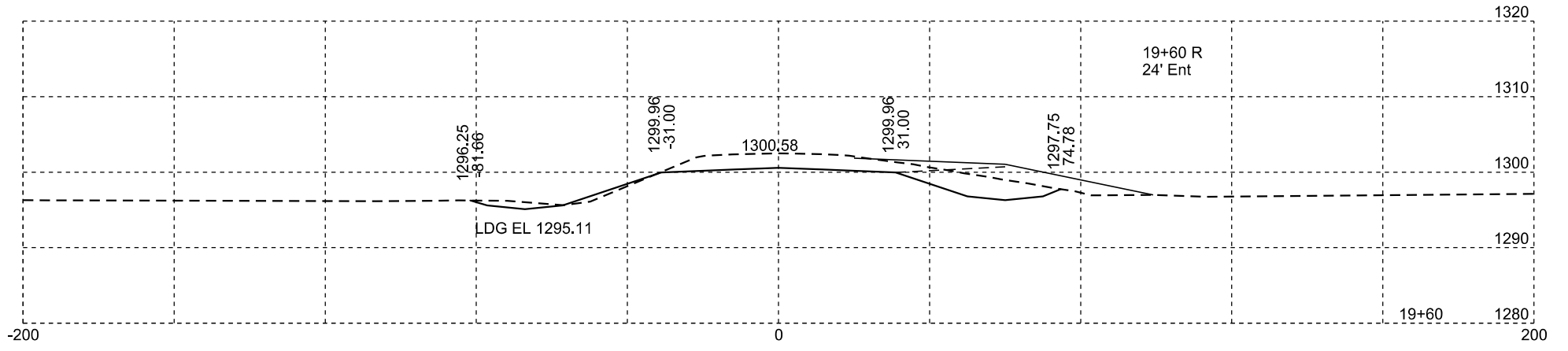
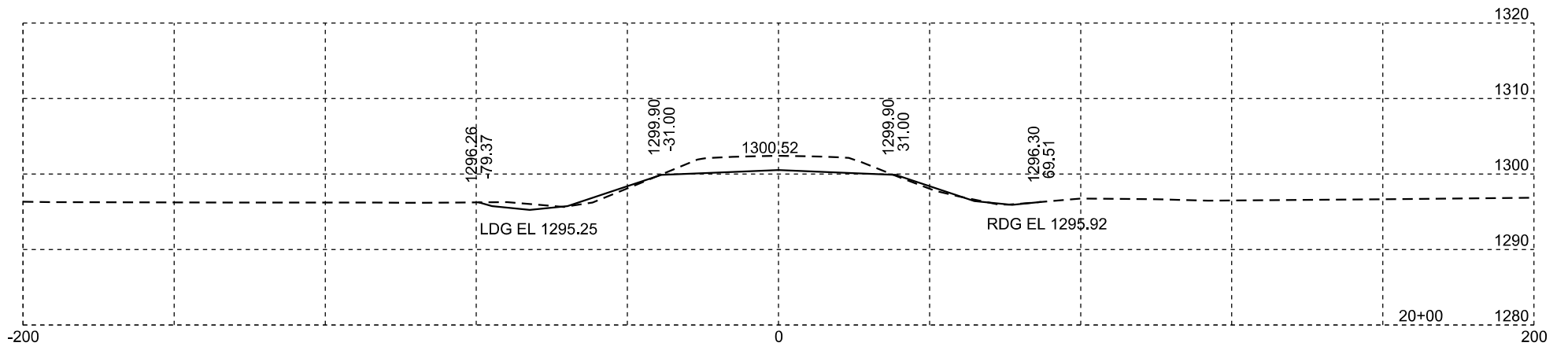
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 47	X57



Plotting Date: 11/05/2024

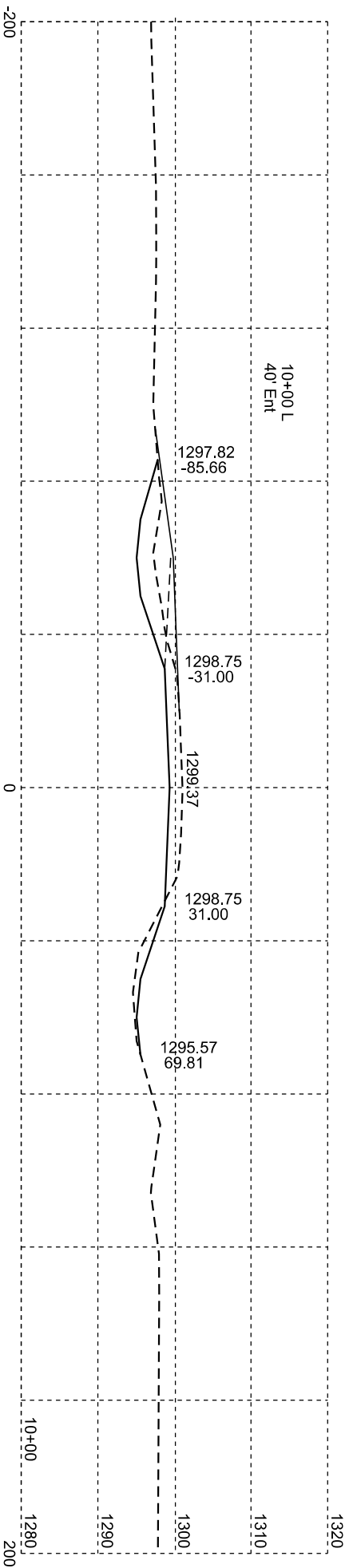
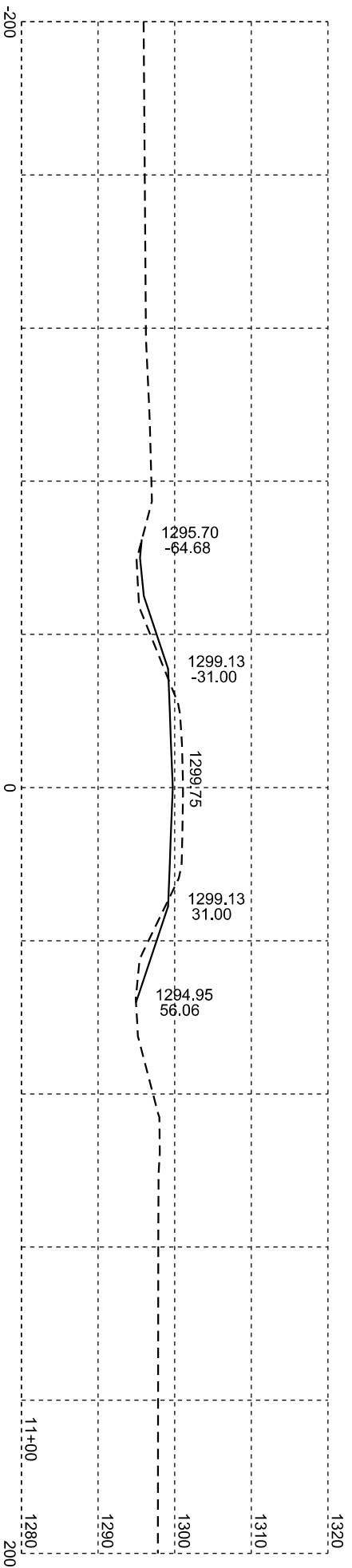
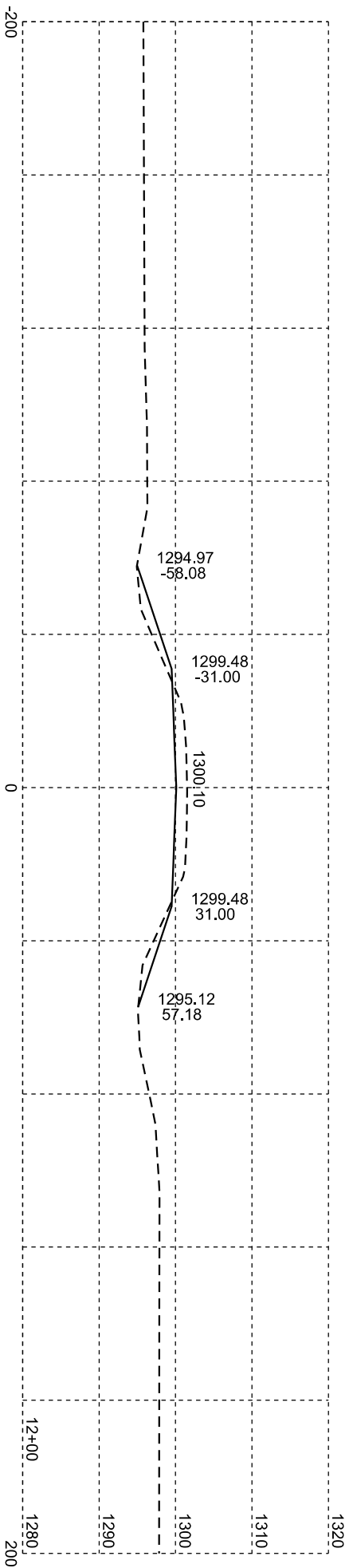
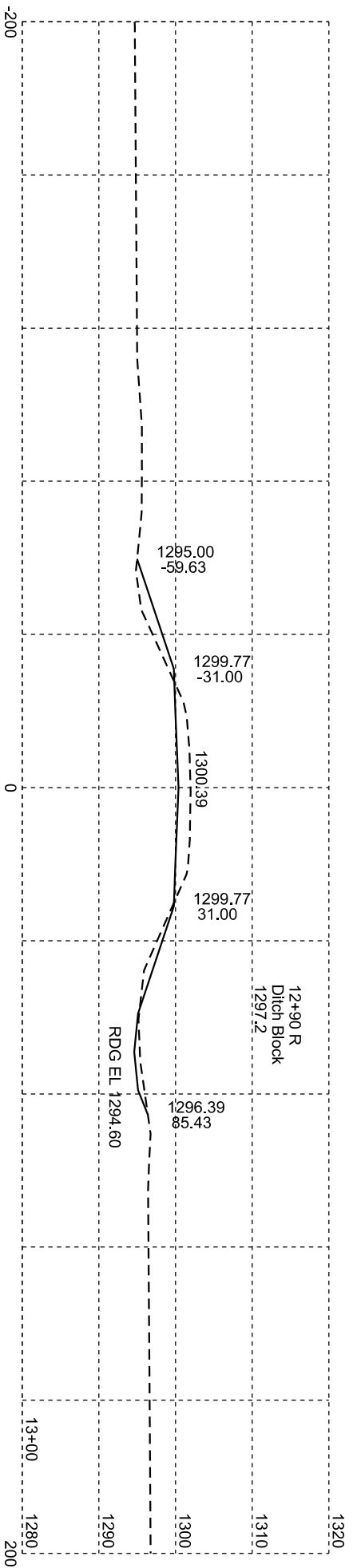
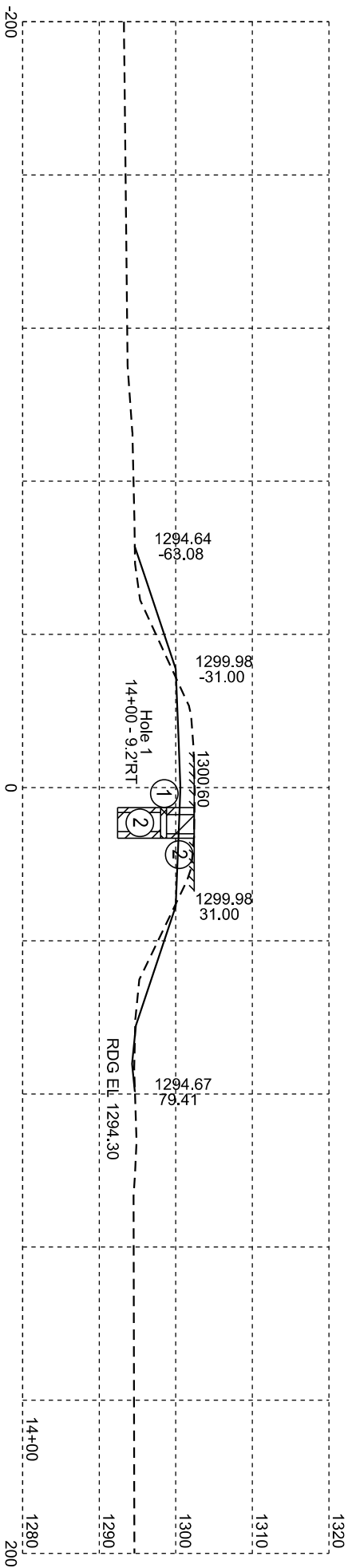
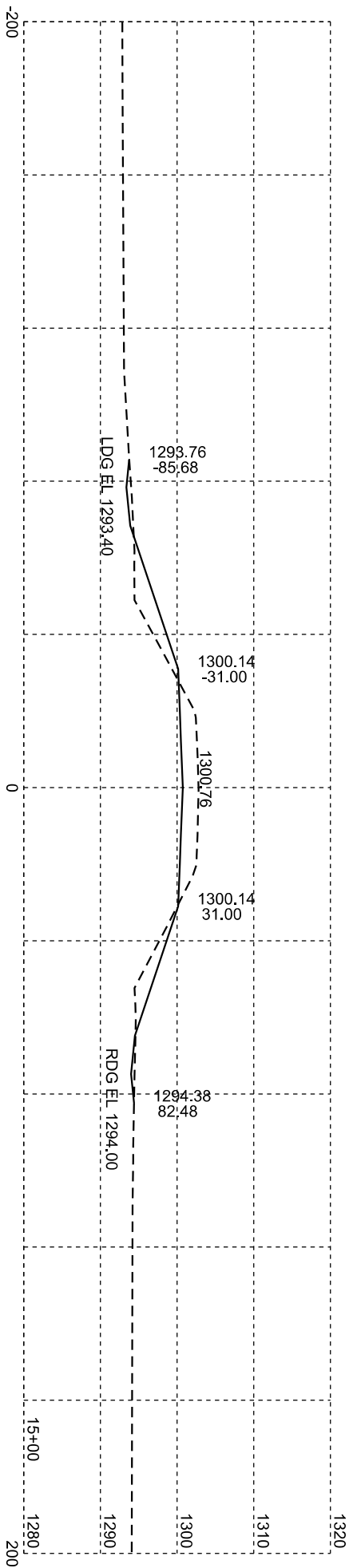
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 48	X57





Plotting Date: 11/05/2024

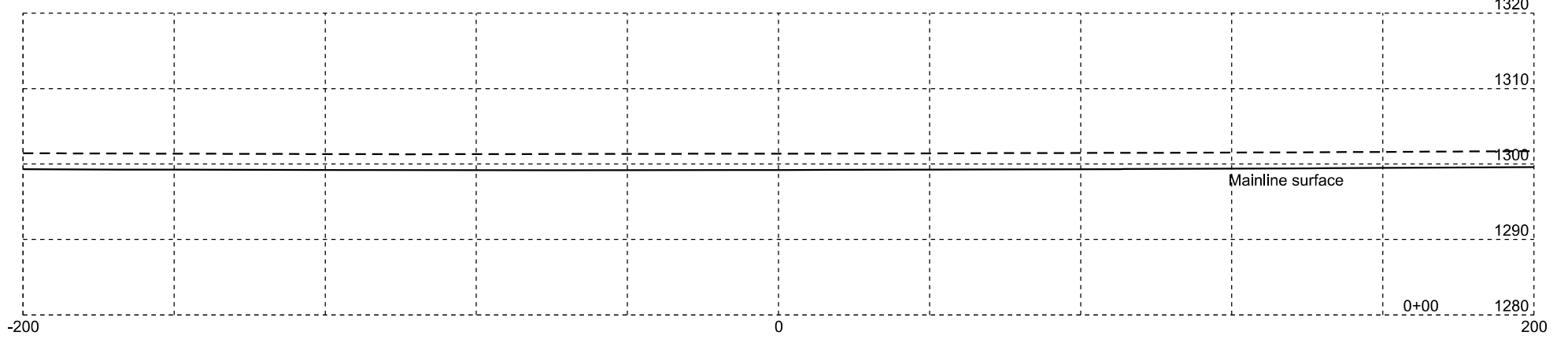
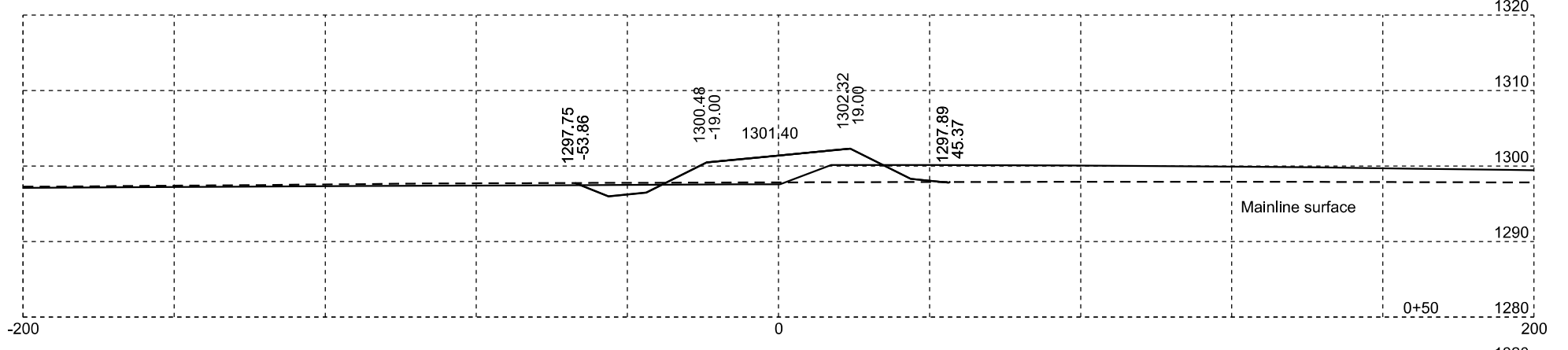
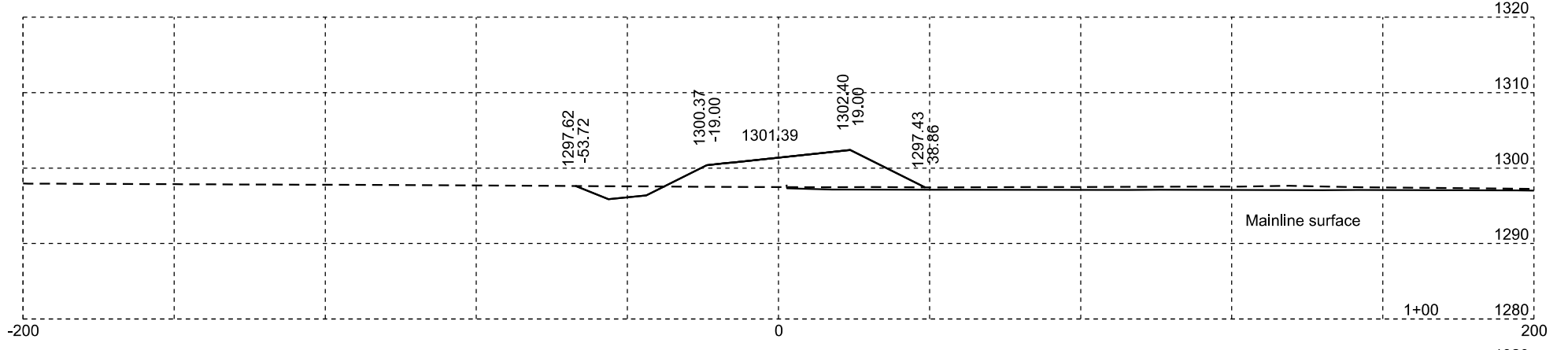
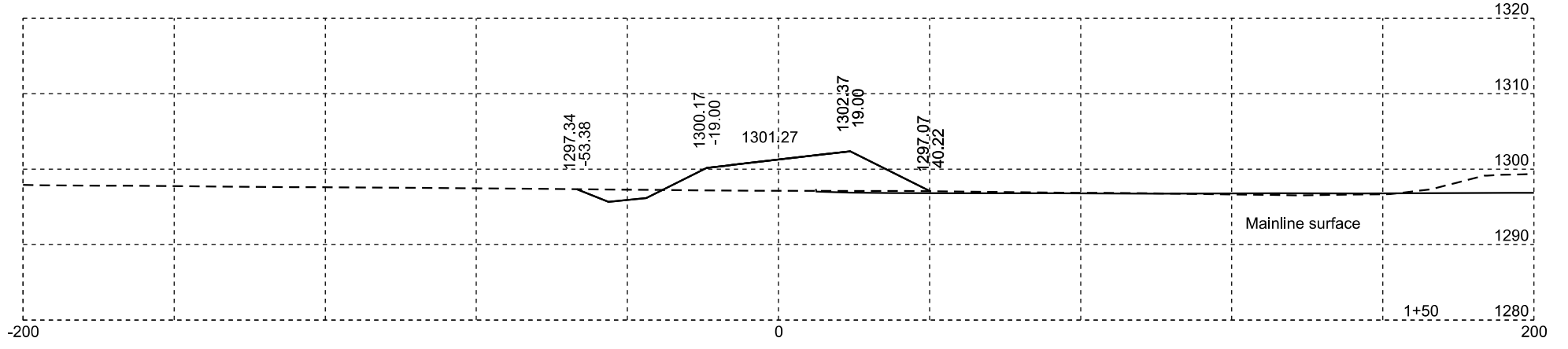
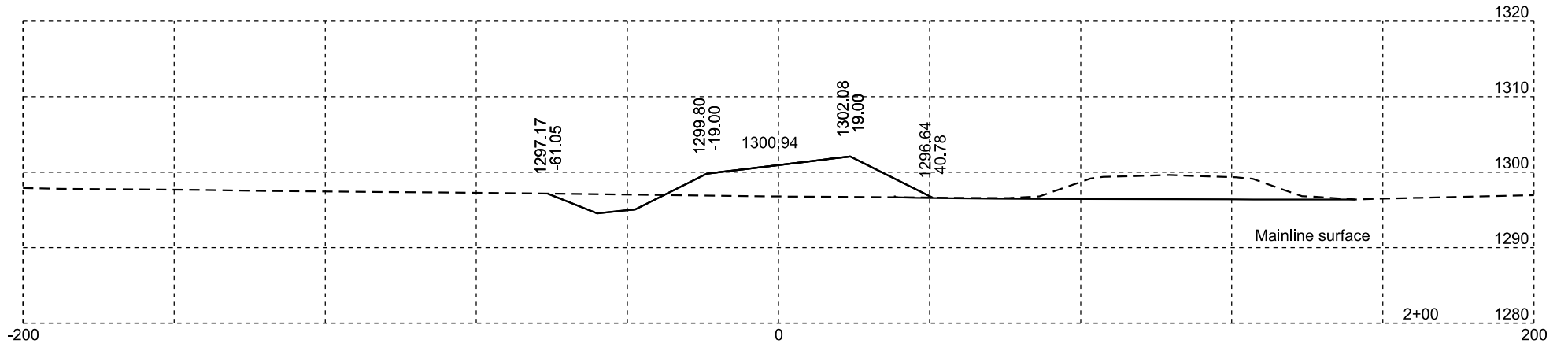
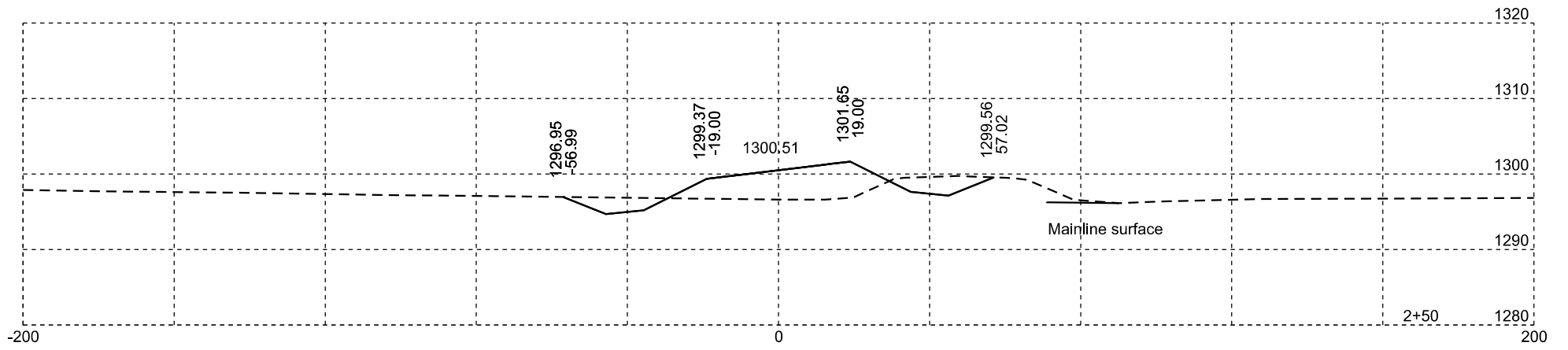
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 49	X57



Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT NH 0212(206)313	SHEET NO. X 50	TOTAL SHEETS X 57
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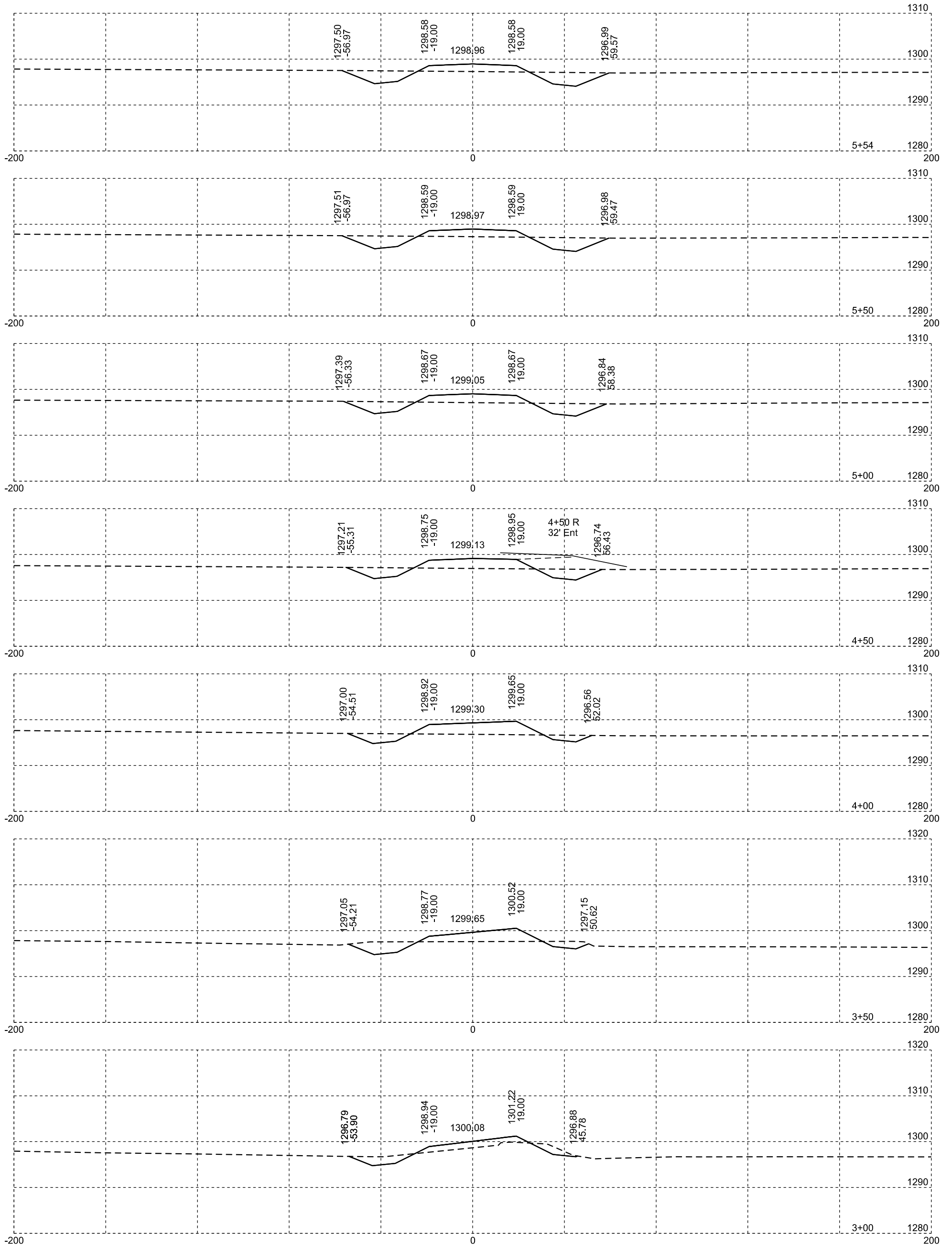
# xr 151



Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 51	X57

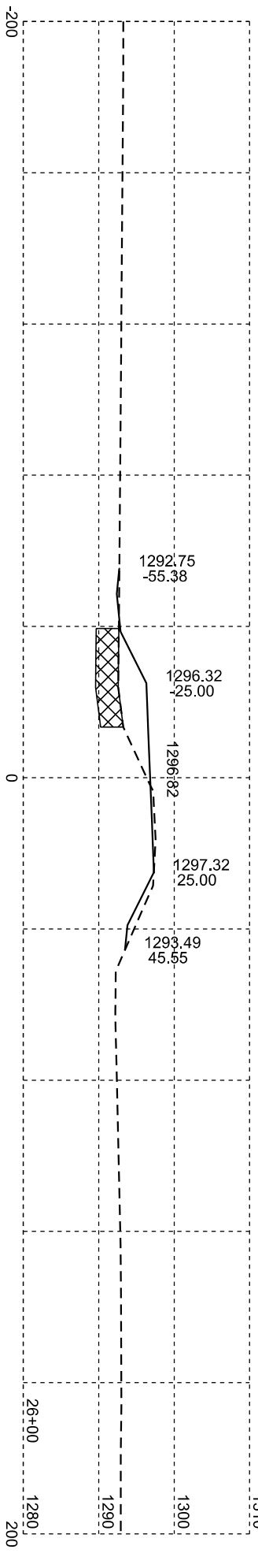
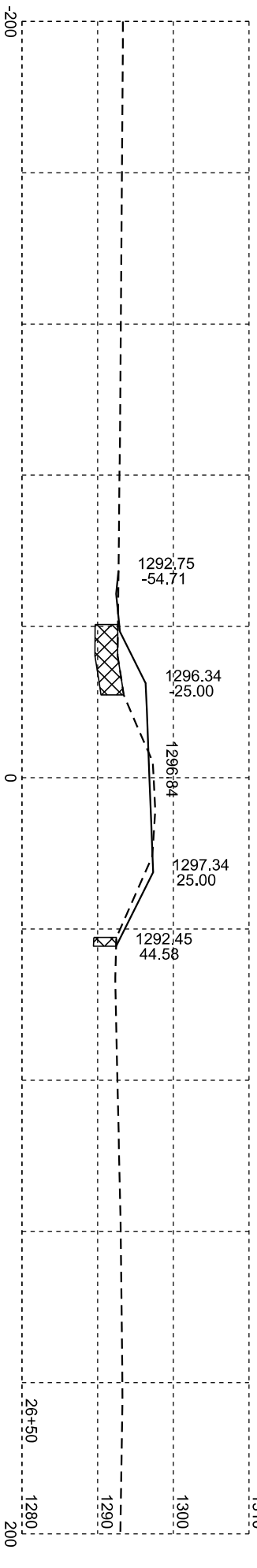
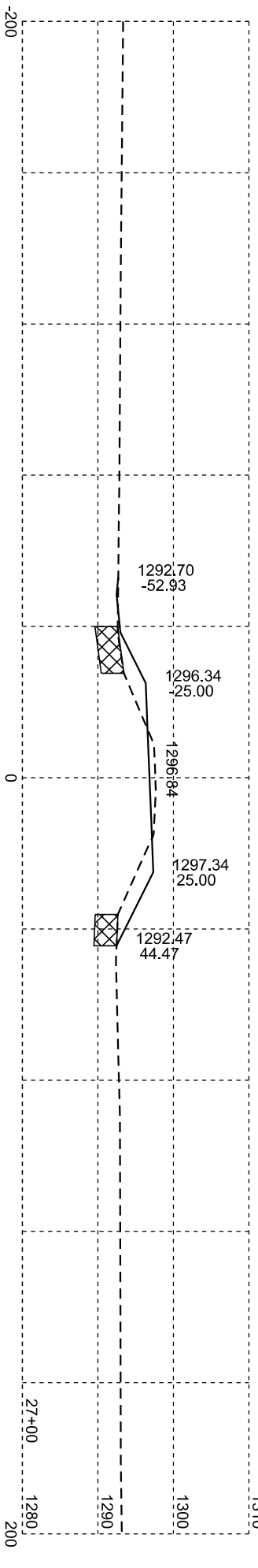
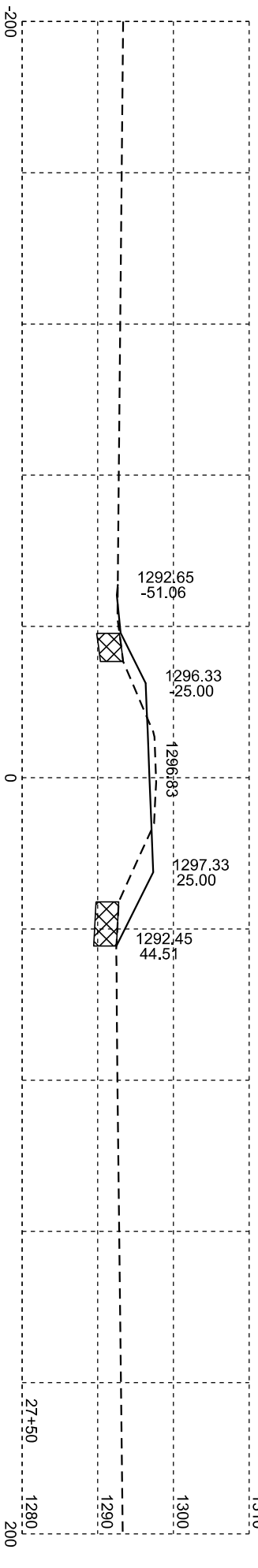
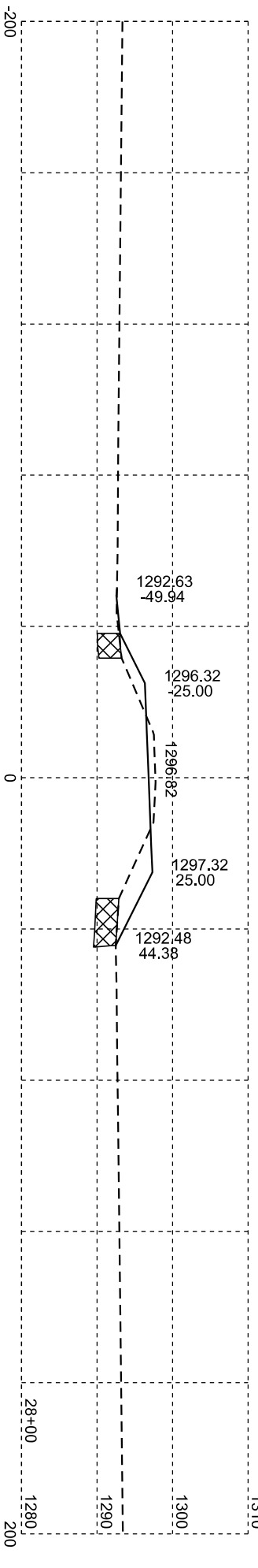
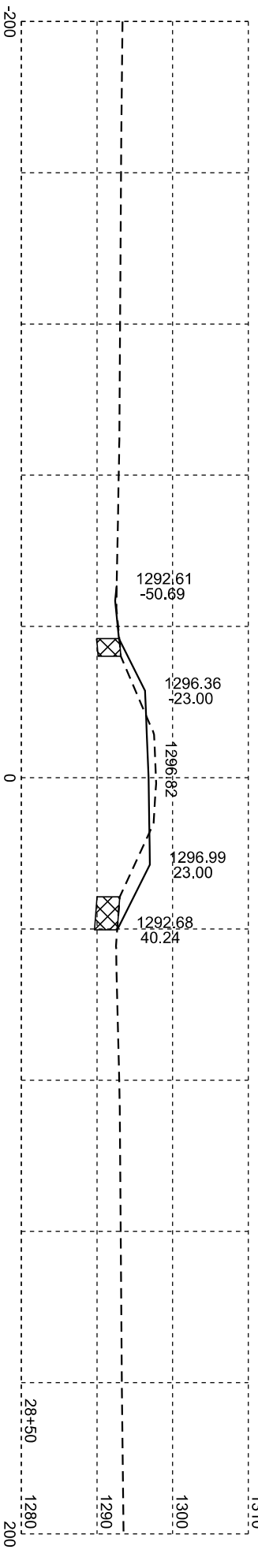
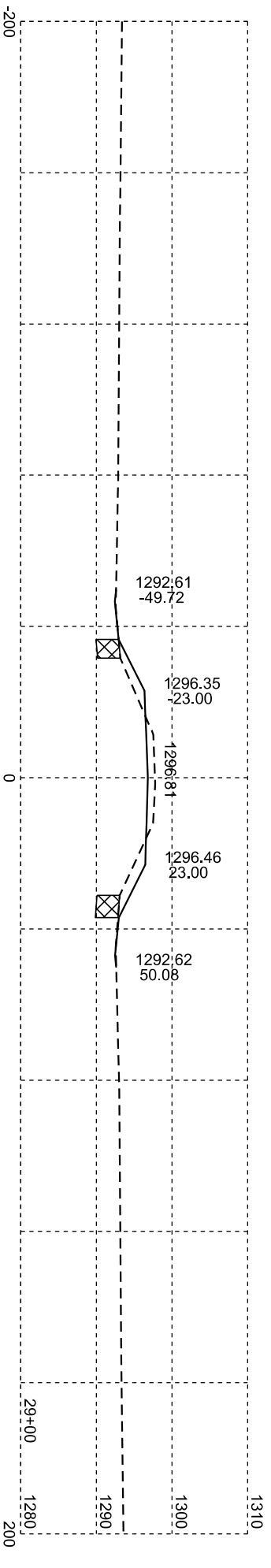
# xr 151



Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 52	X57

# XR 198



Muck

Plotting Date:

11/05/2024

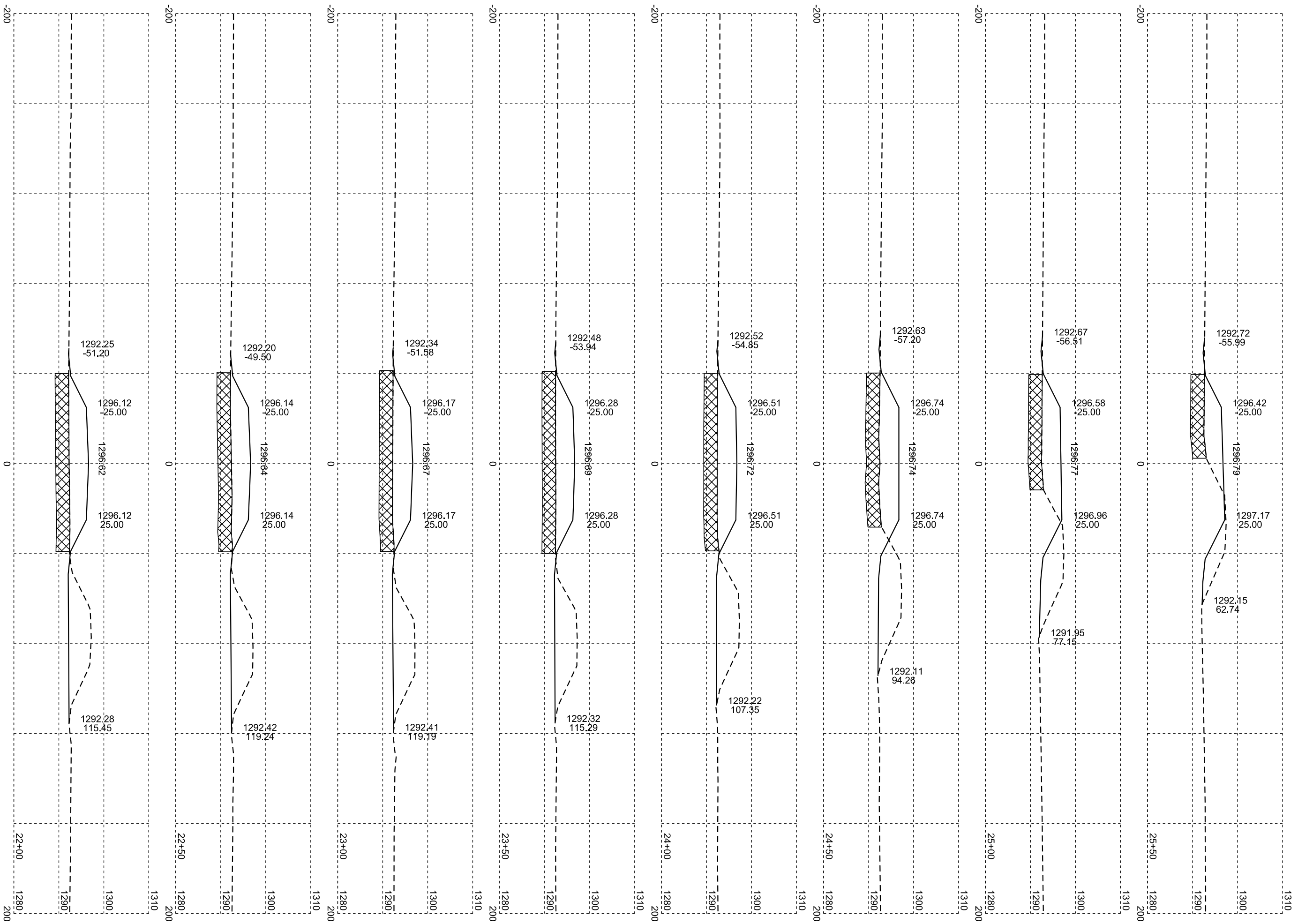
STATE OF  
SOUTH  
DAKOTA

PROJECT  
NH 0212(206)313

SHEET  
NO.  
X 53

TOTAL  
SHEETS  
X57

# XR 198



Muck

Plotting Date:

11/05/2024

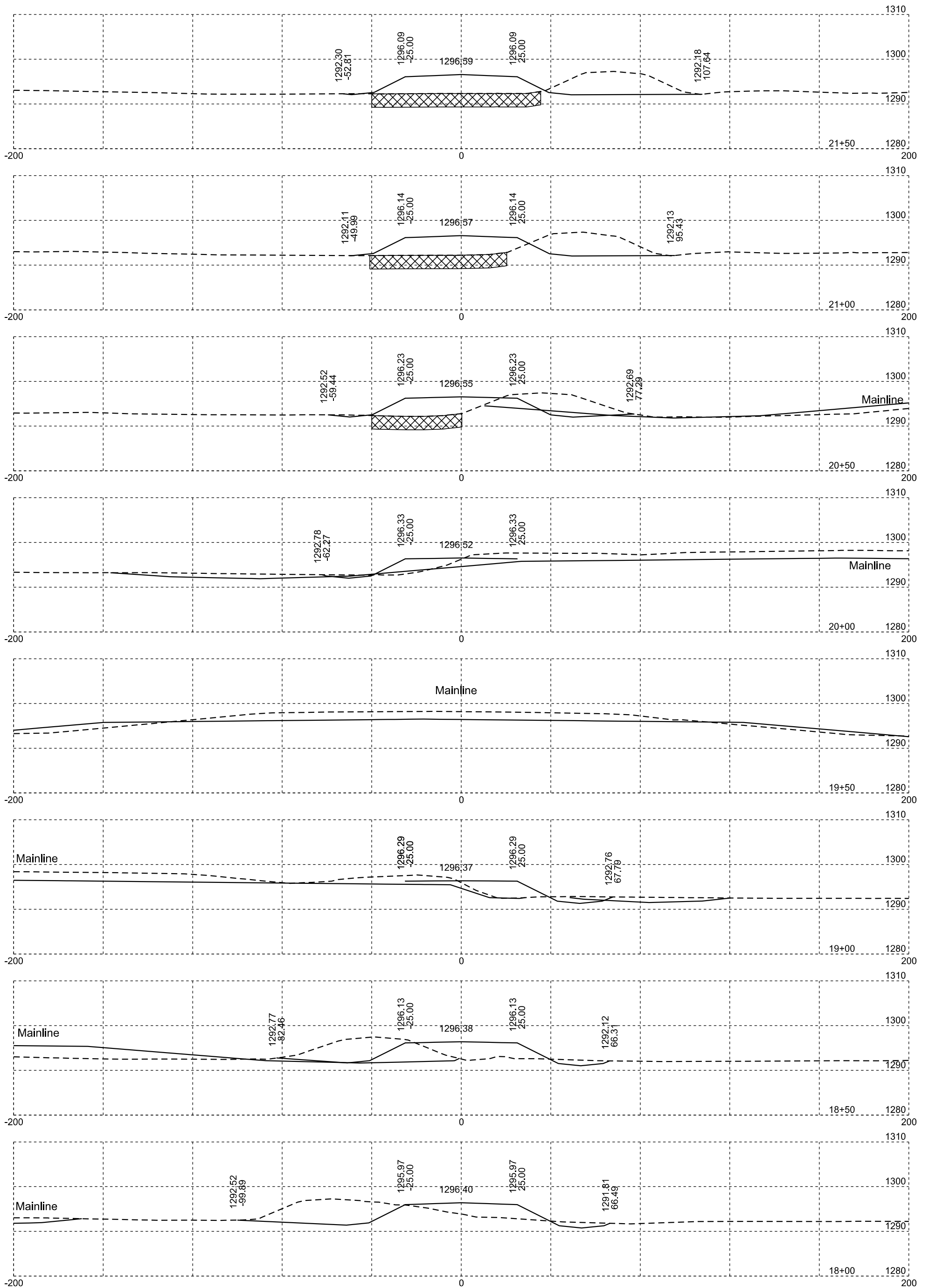
STATE OF  
SOUTH  
DAKOTA

PROJECT  
NH 0212(206)313

SHEET  
NO.  
X 54

TOTAL  
SHEETS  
X57

# xr 198

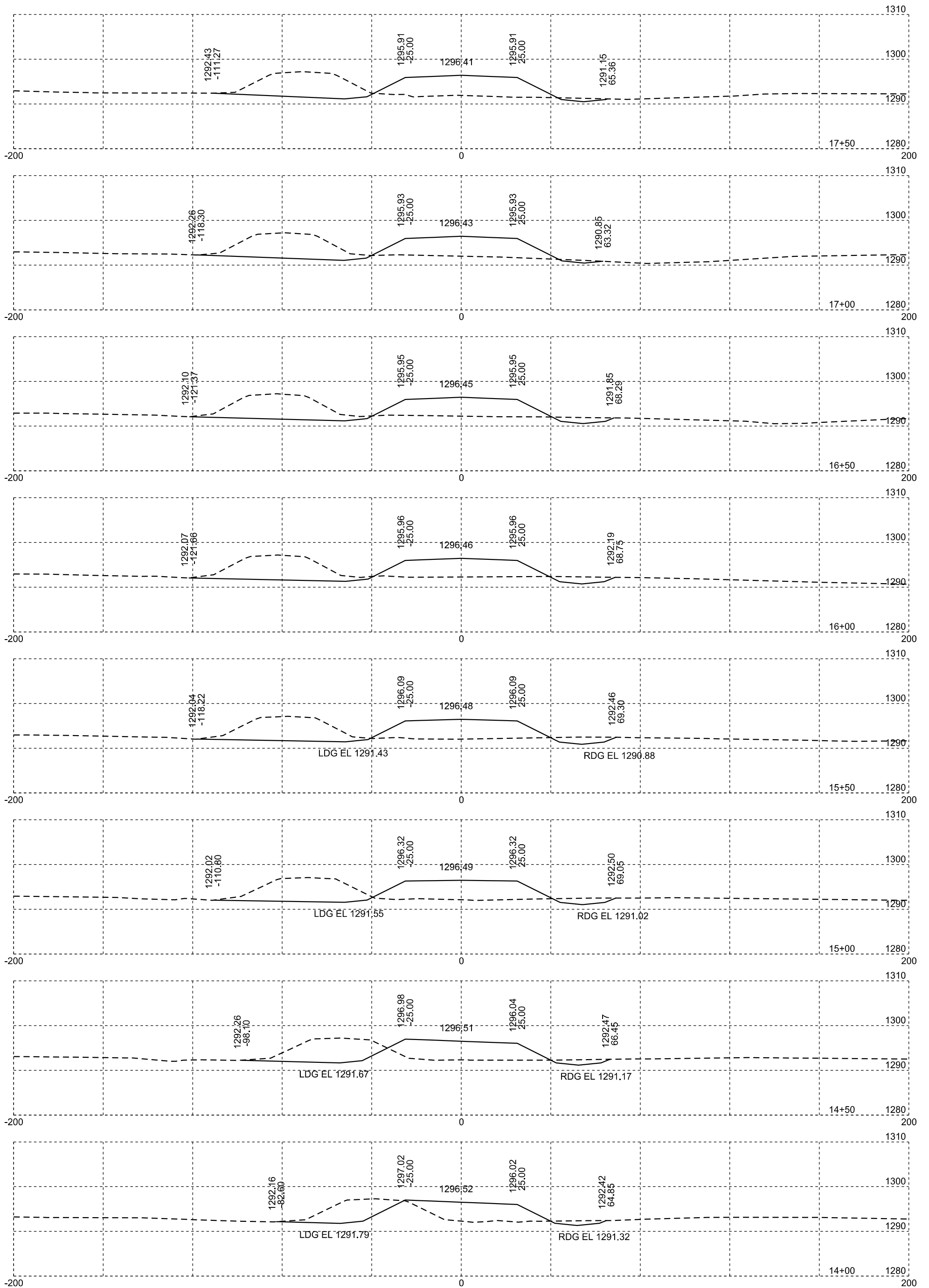


▨ Muck

Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 55	X57

# xr 198

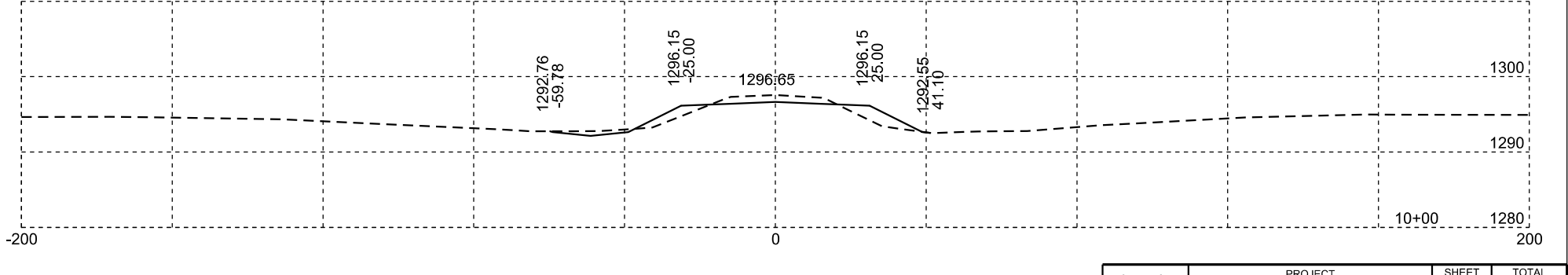
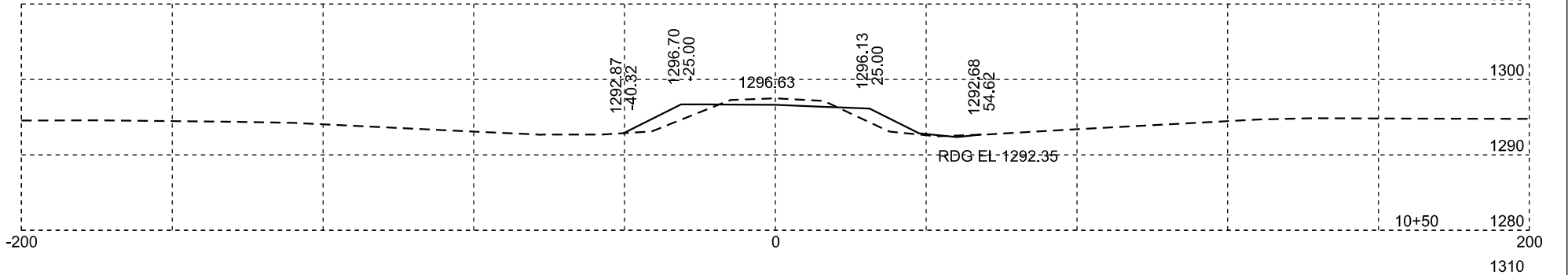
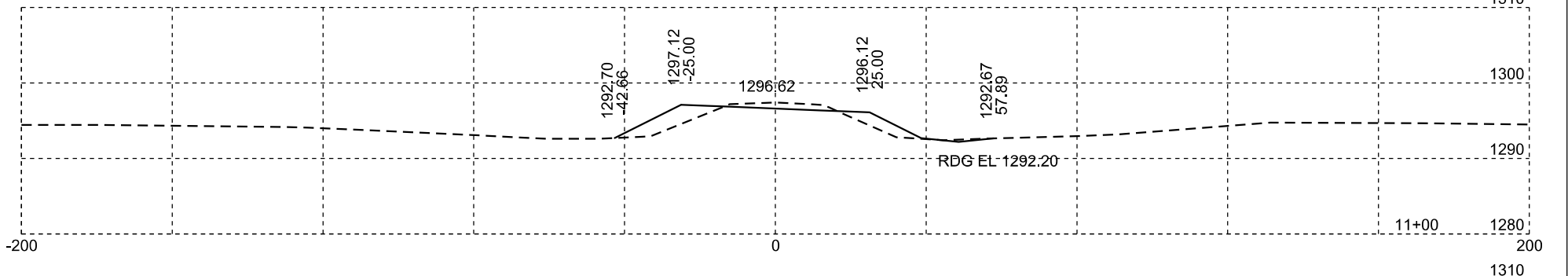
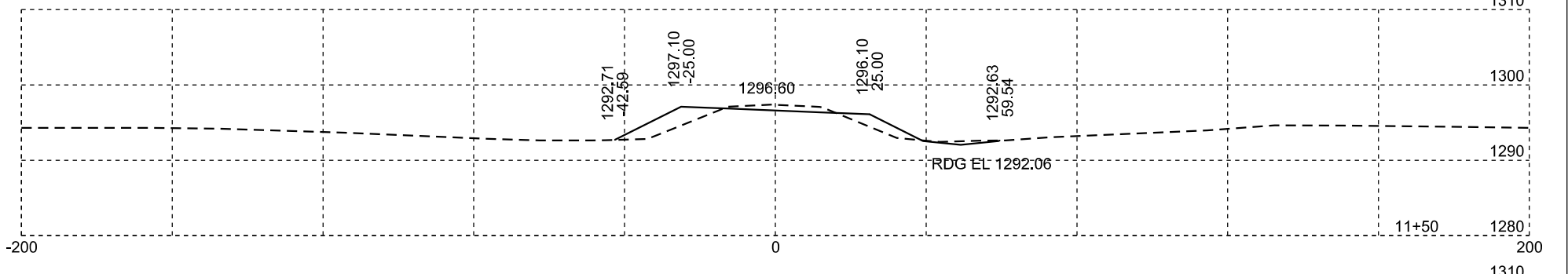
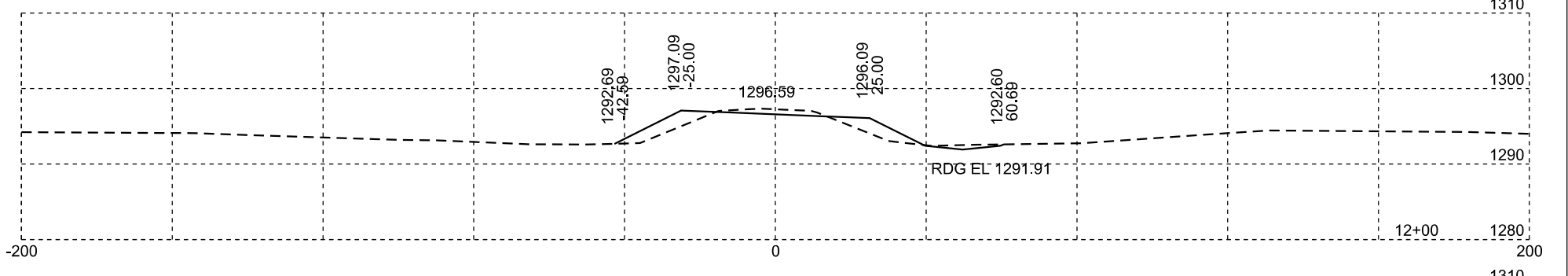
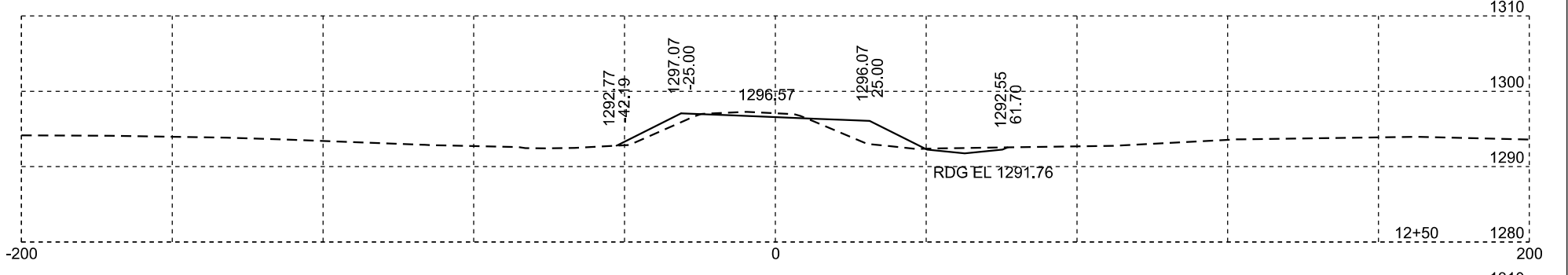
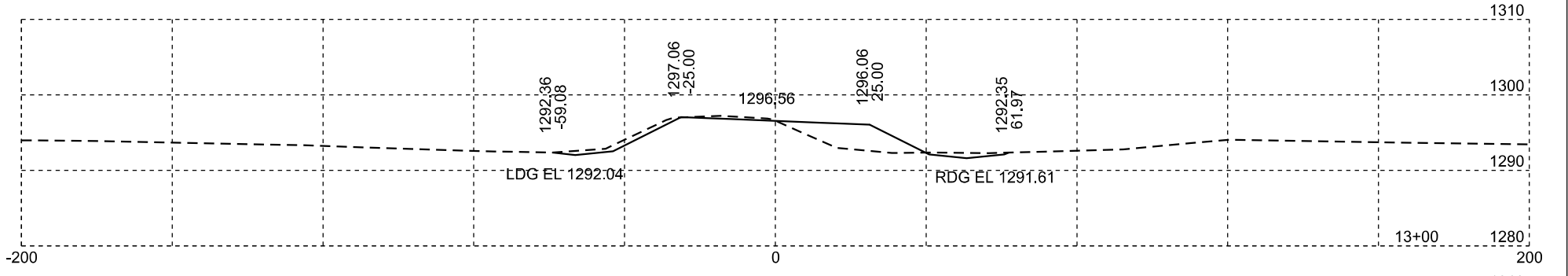
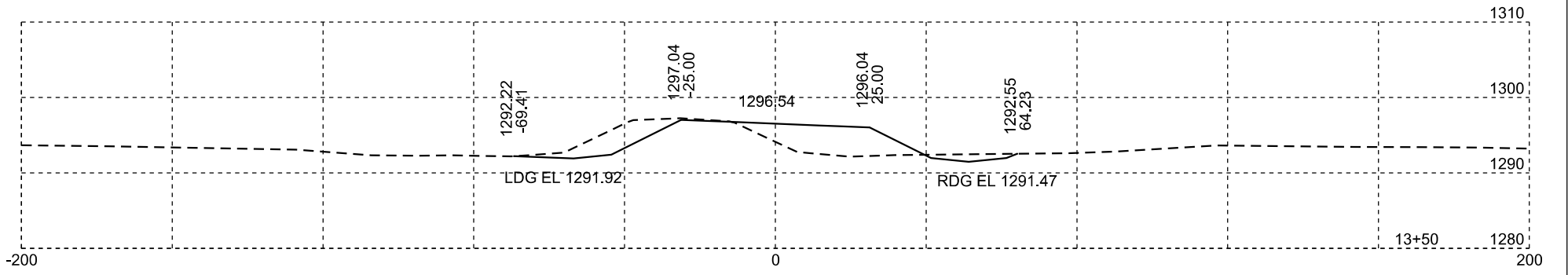


Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 56	X57



# xr 198



Plotting Date: 11/05/2024

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0212(206)313	X 57	X57