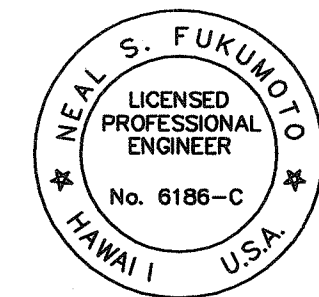
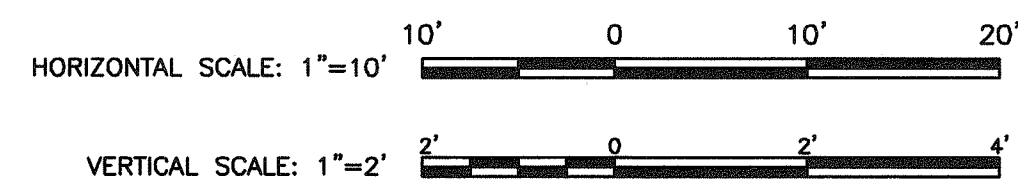
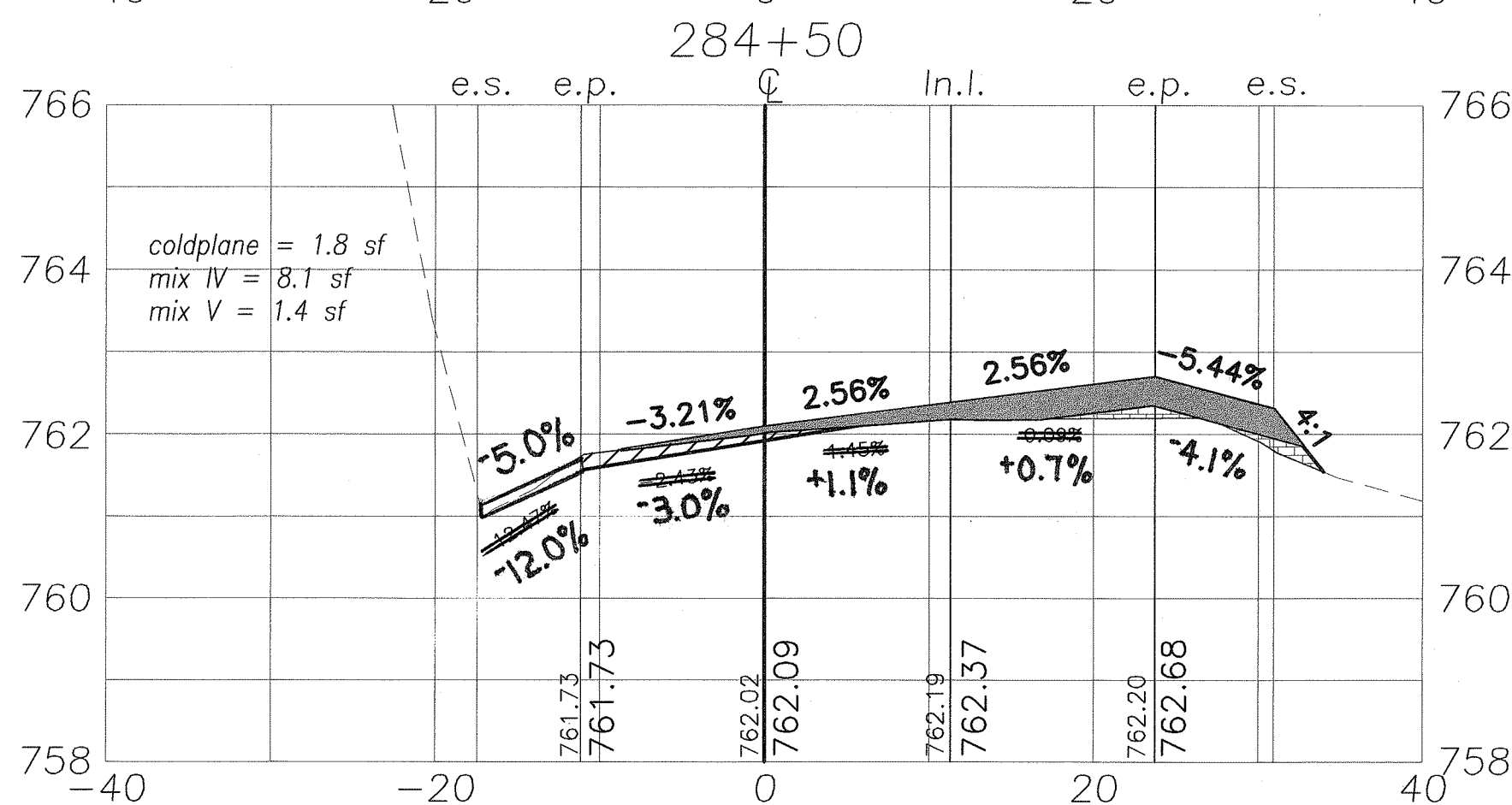
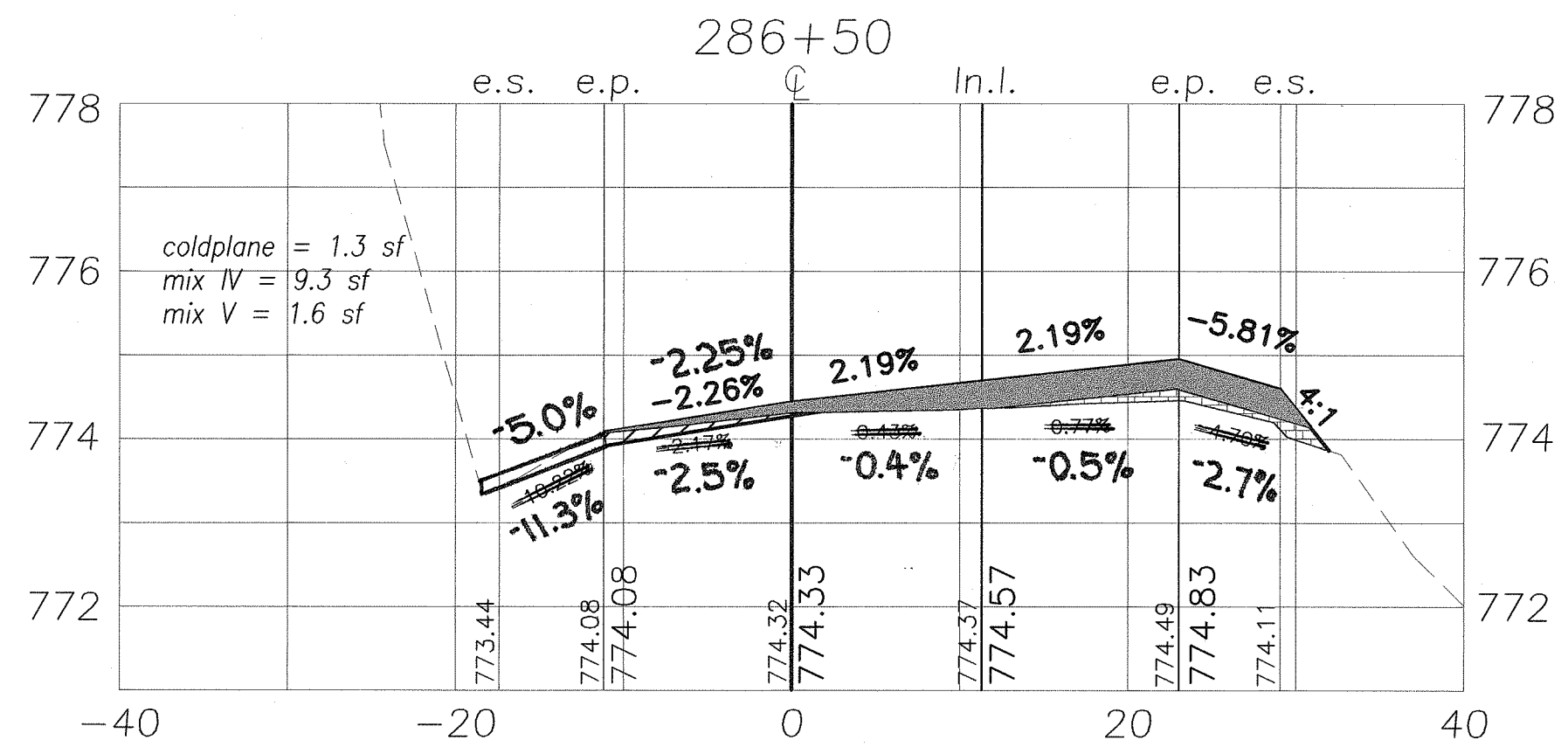
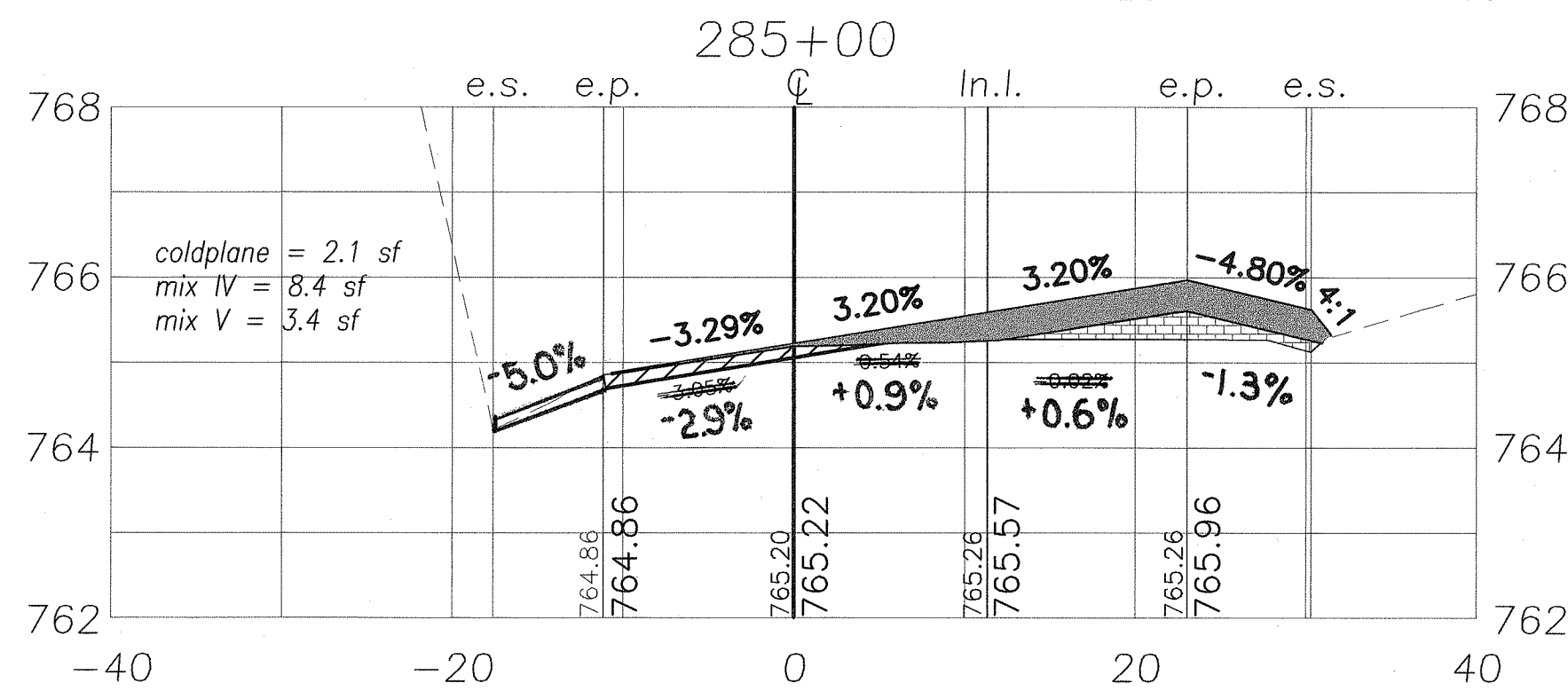
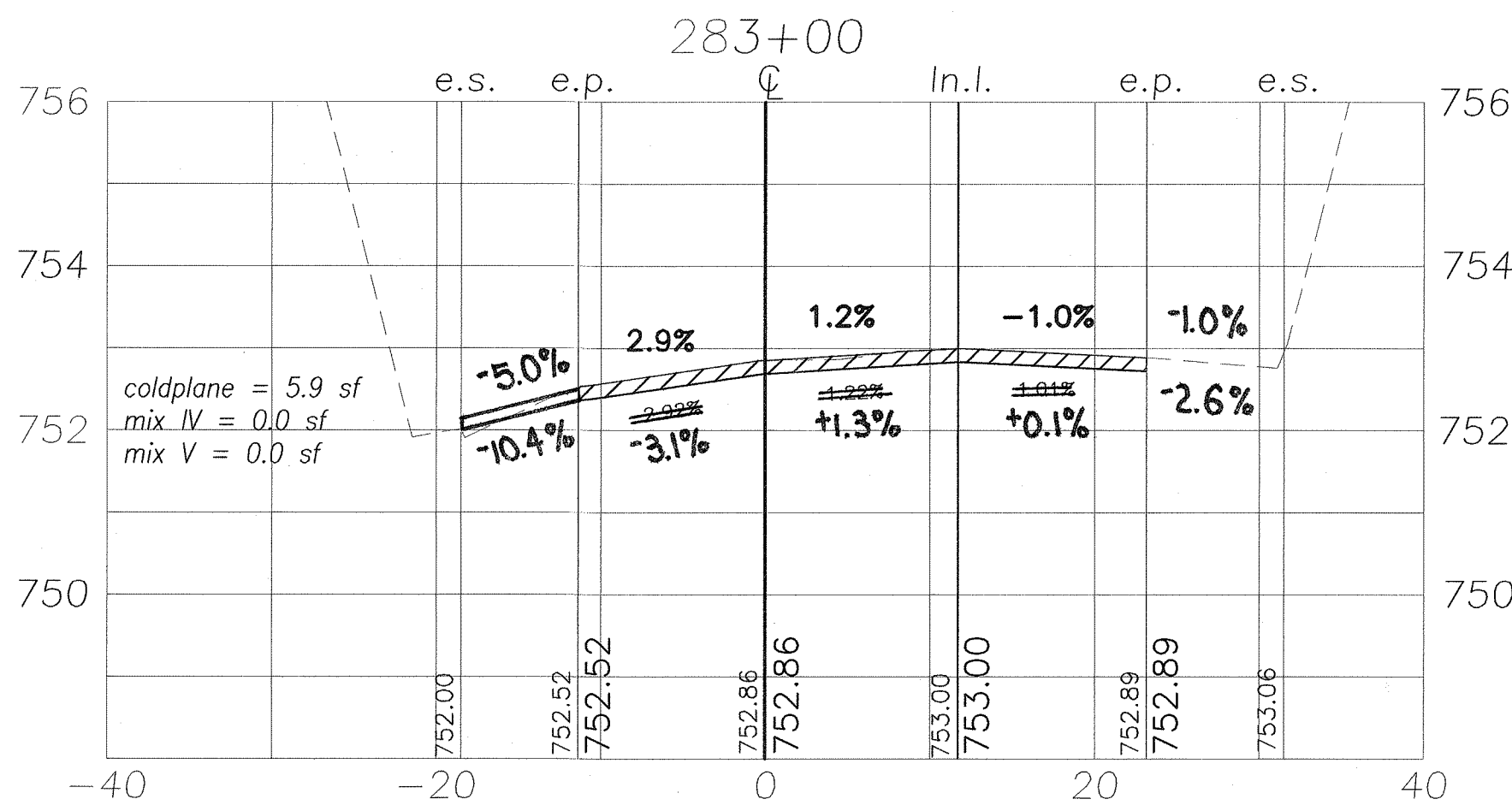
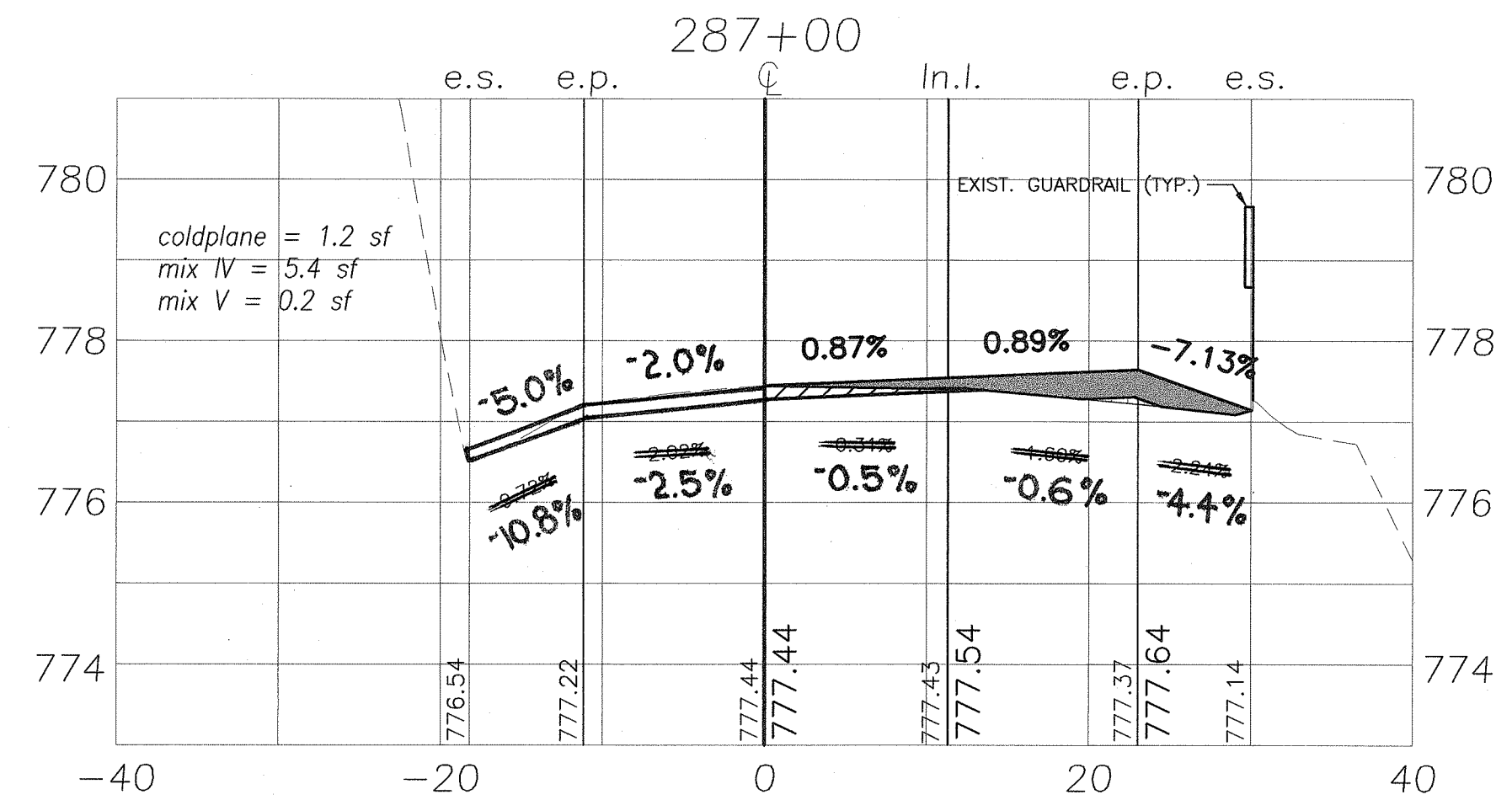
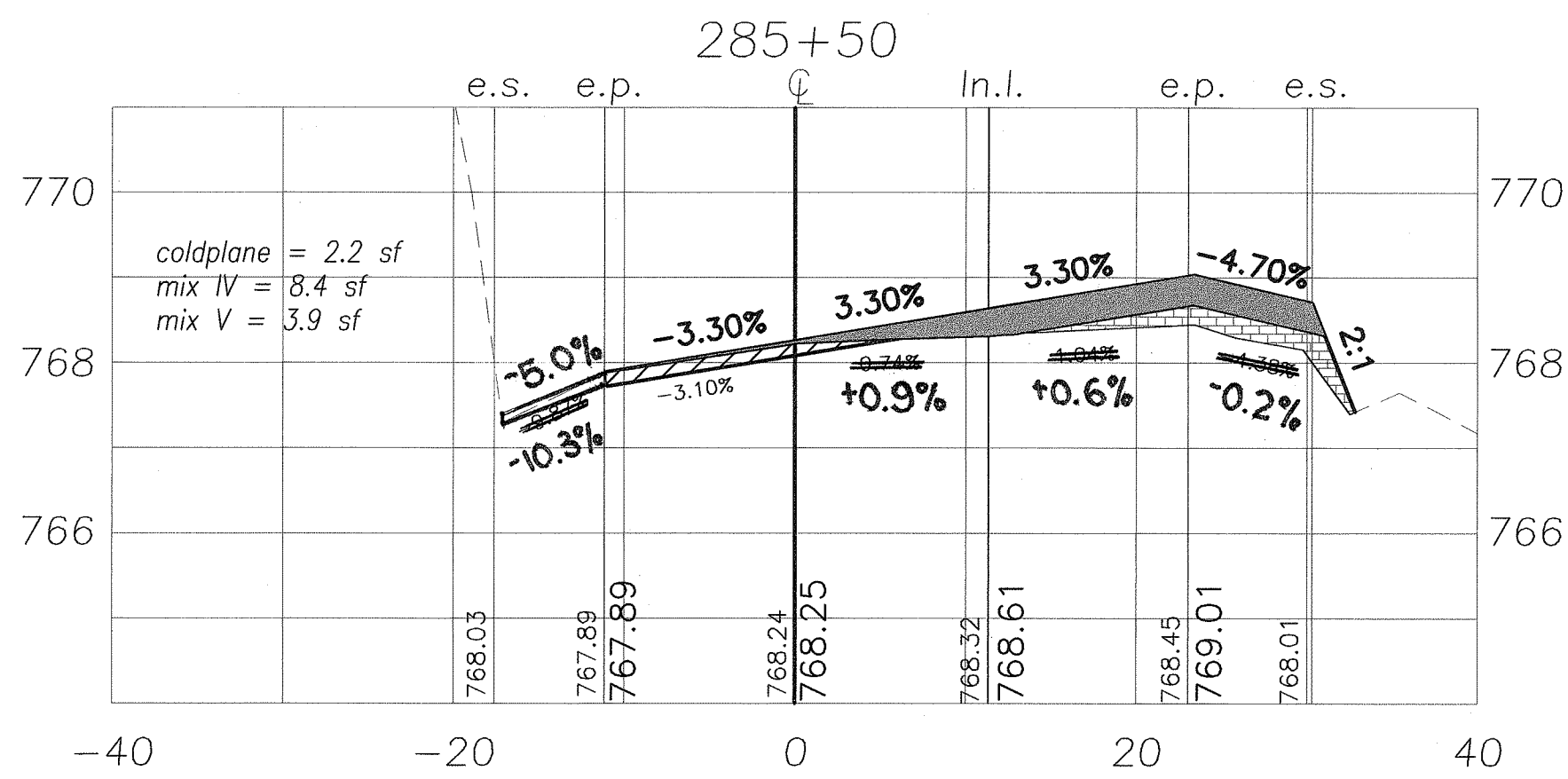
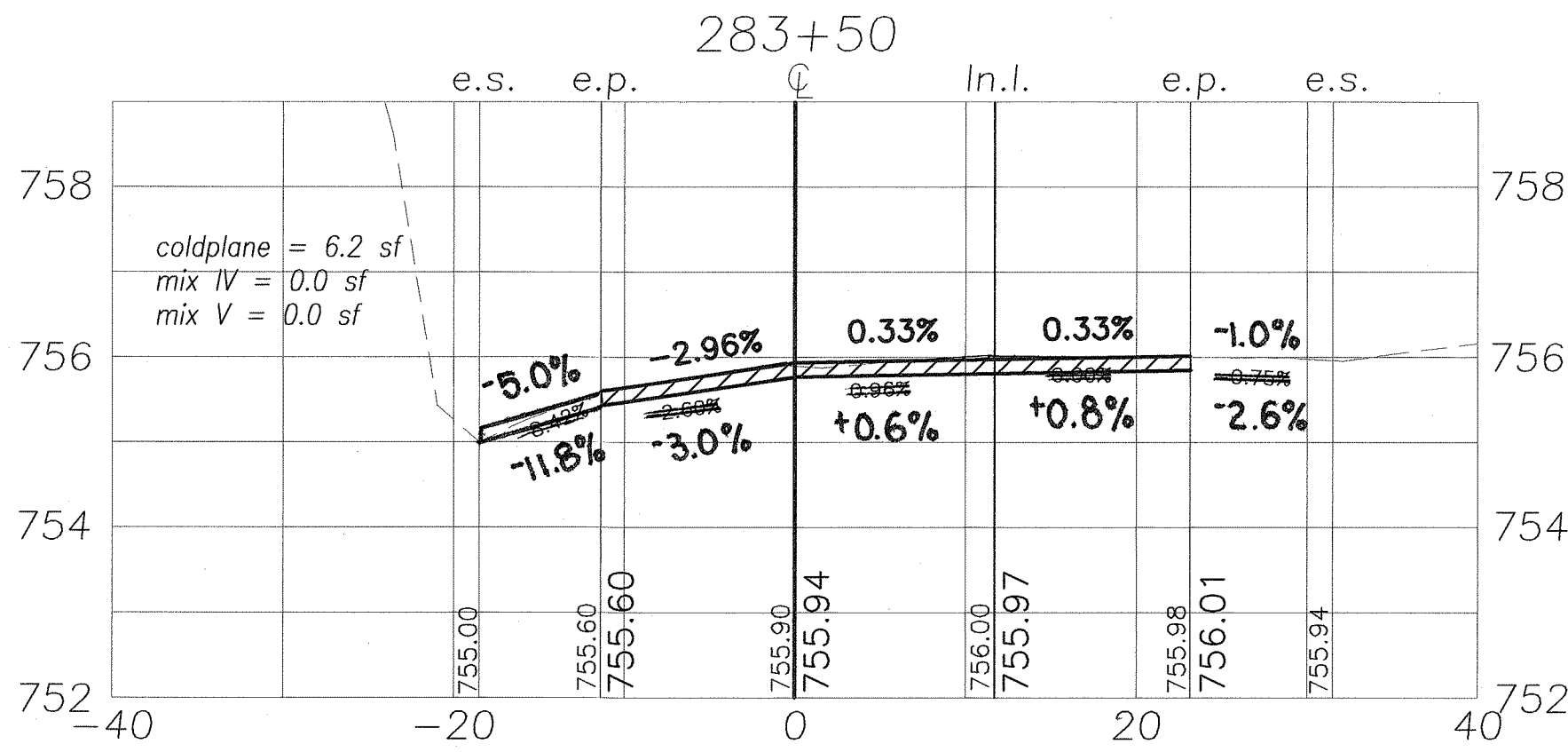
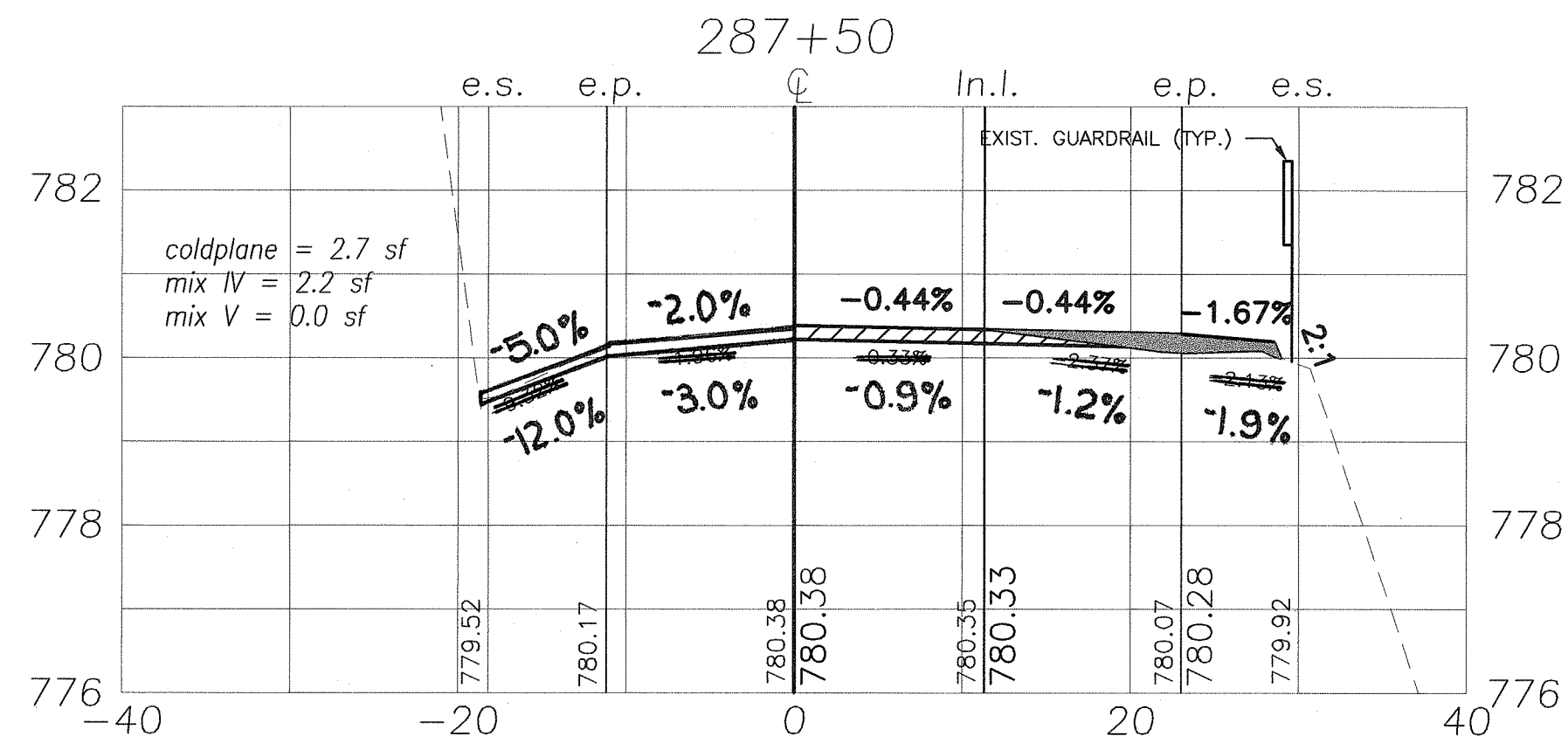
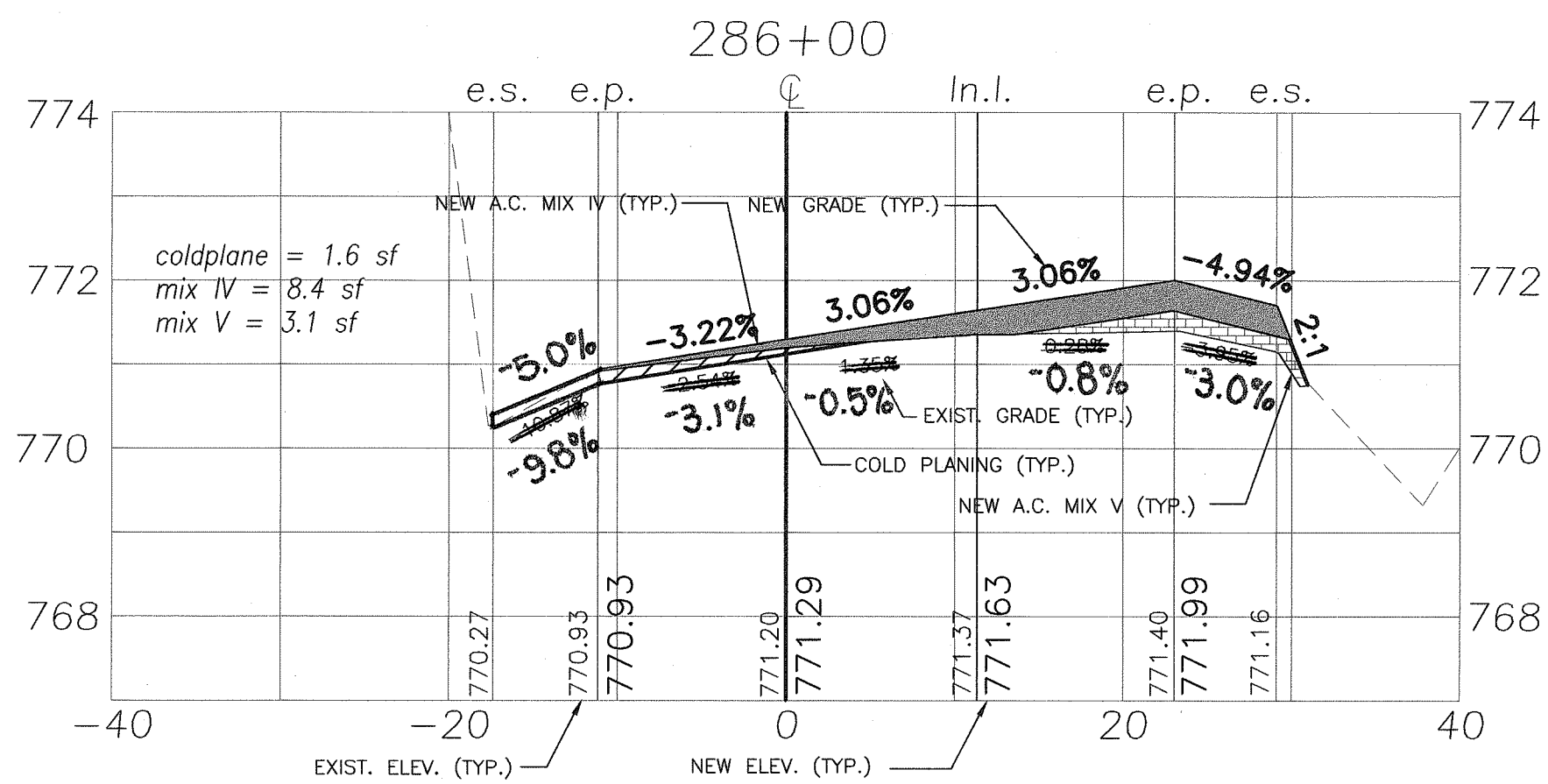
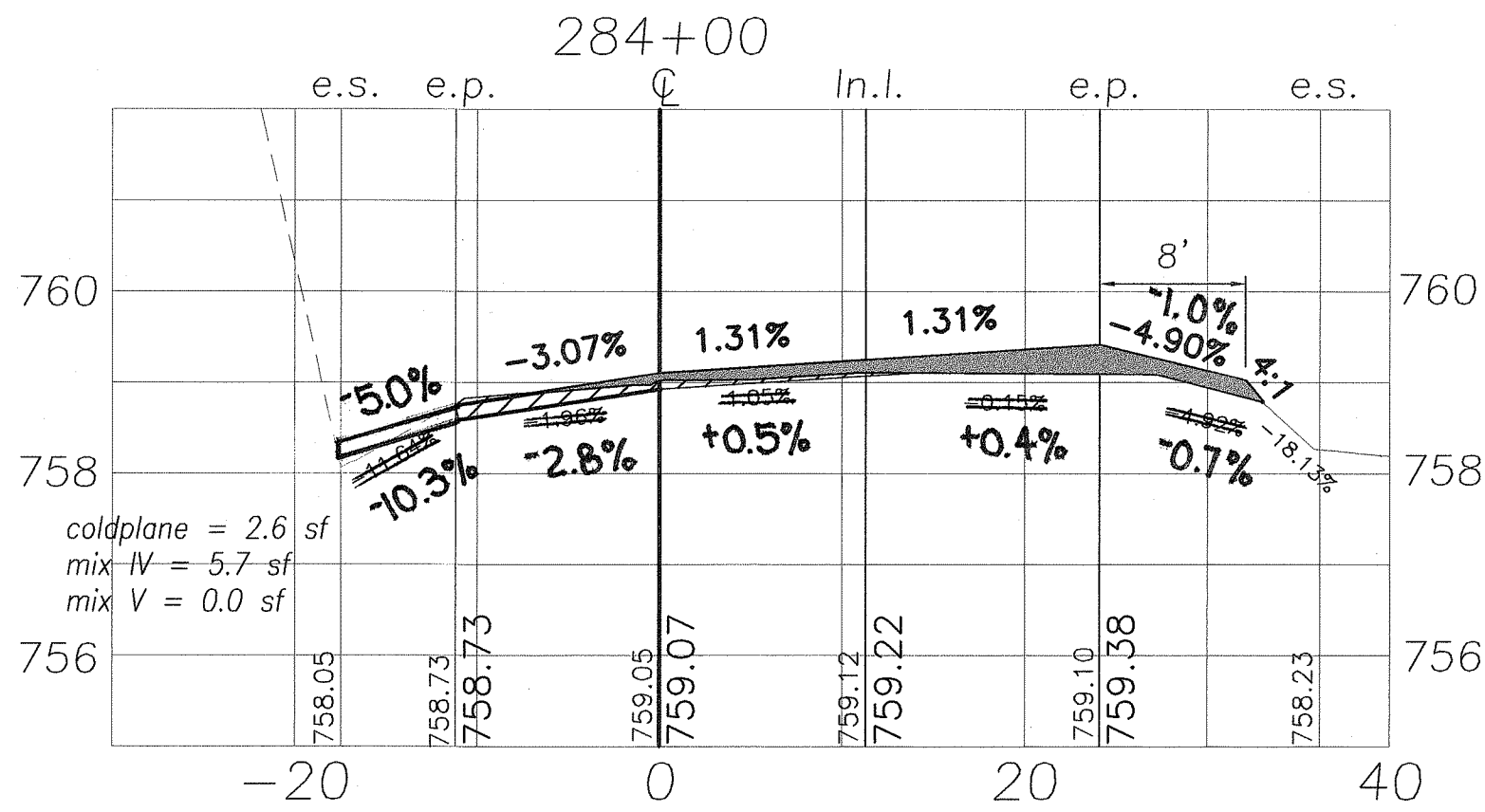


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-03-01, UNIT 1	2008	ADD. 23	29



This work was prepared by me or under my supervision.
Exp. 04-30-10
Wesley R. Segawa & Associates, Inc.

6/12/08	Revised Slope to 4:1. Replace Sheet per Addendum No. 1
DATE	REVISION

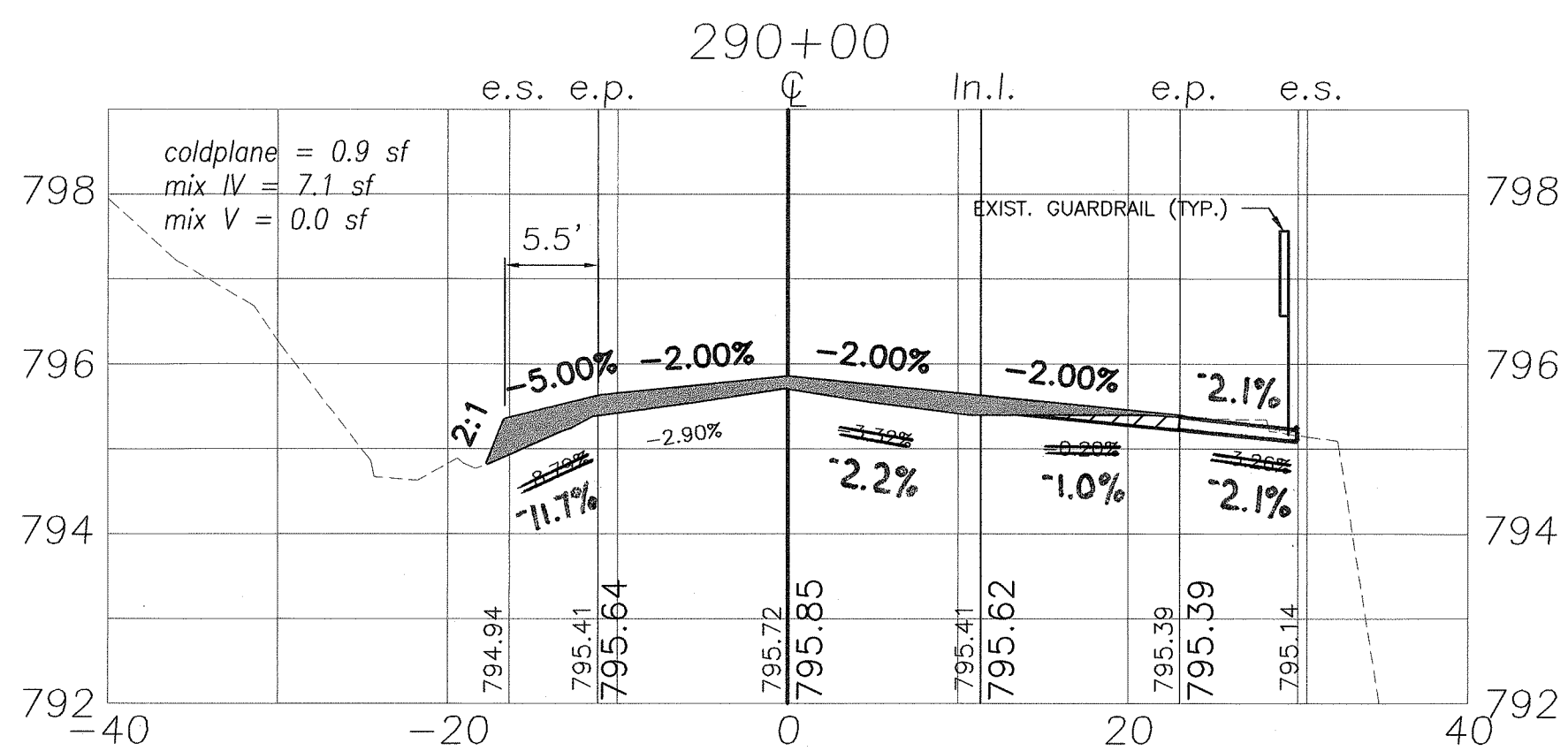
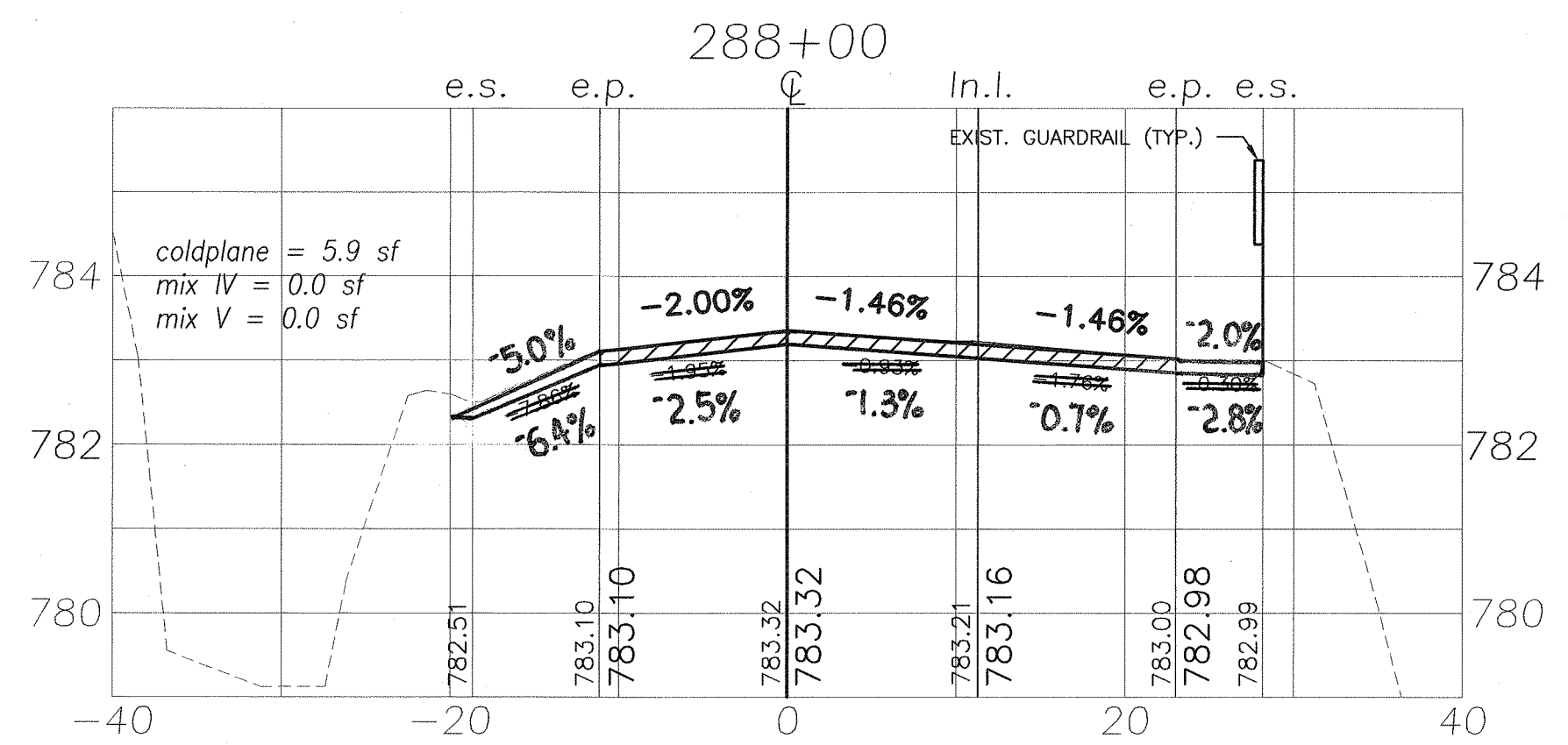
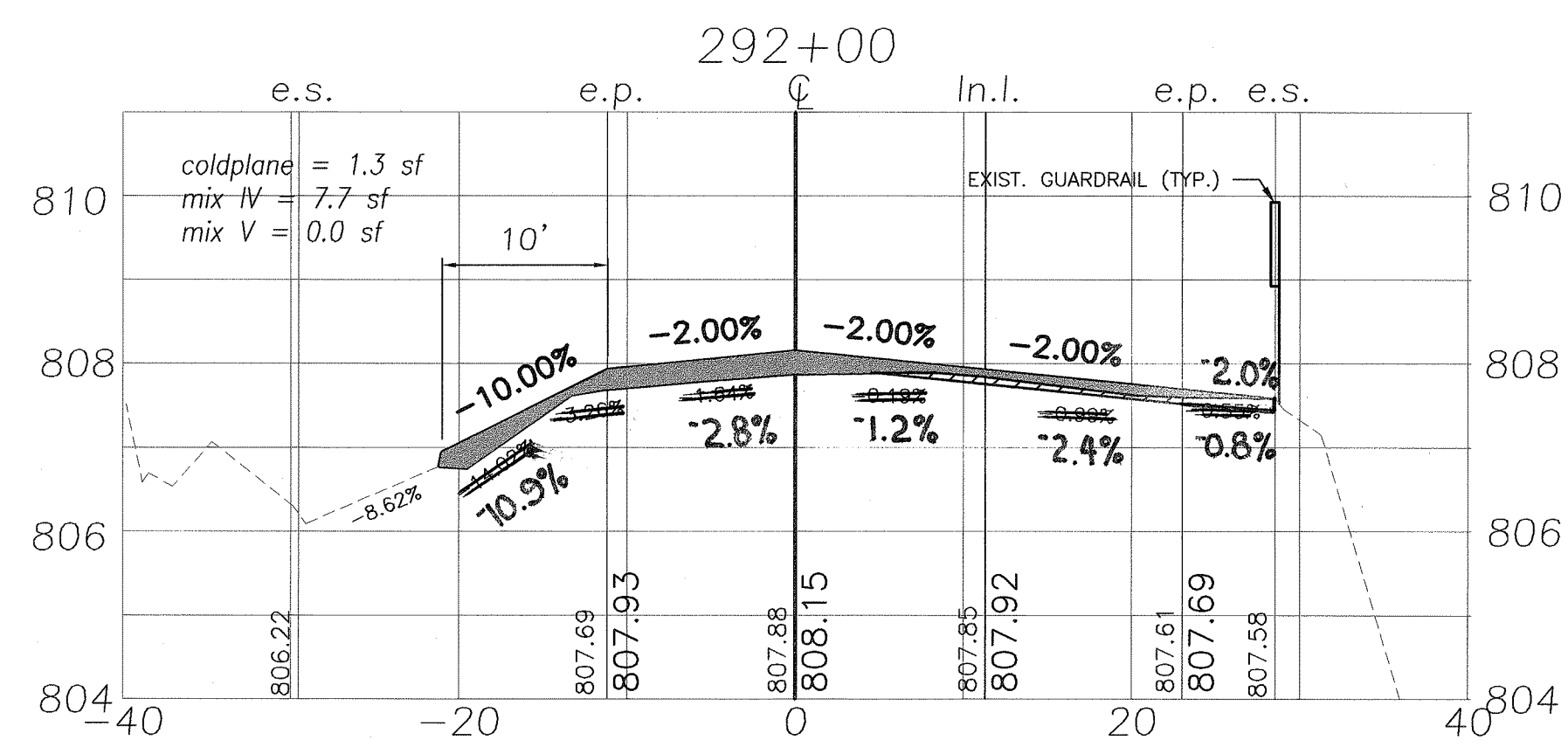
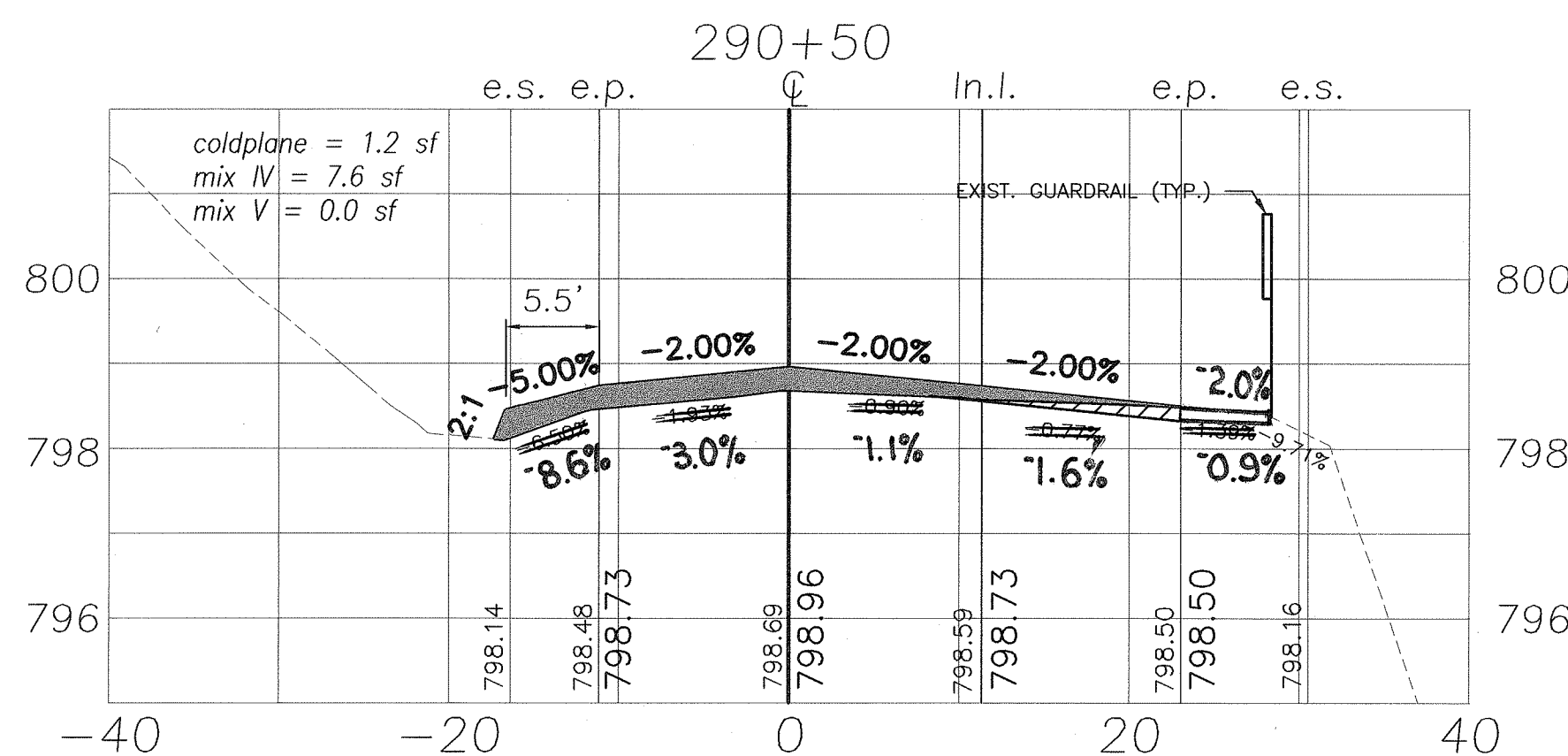
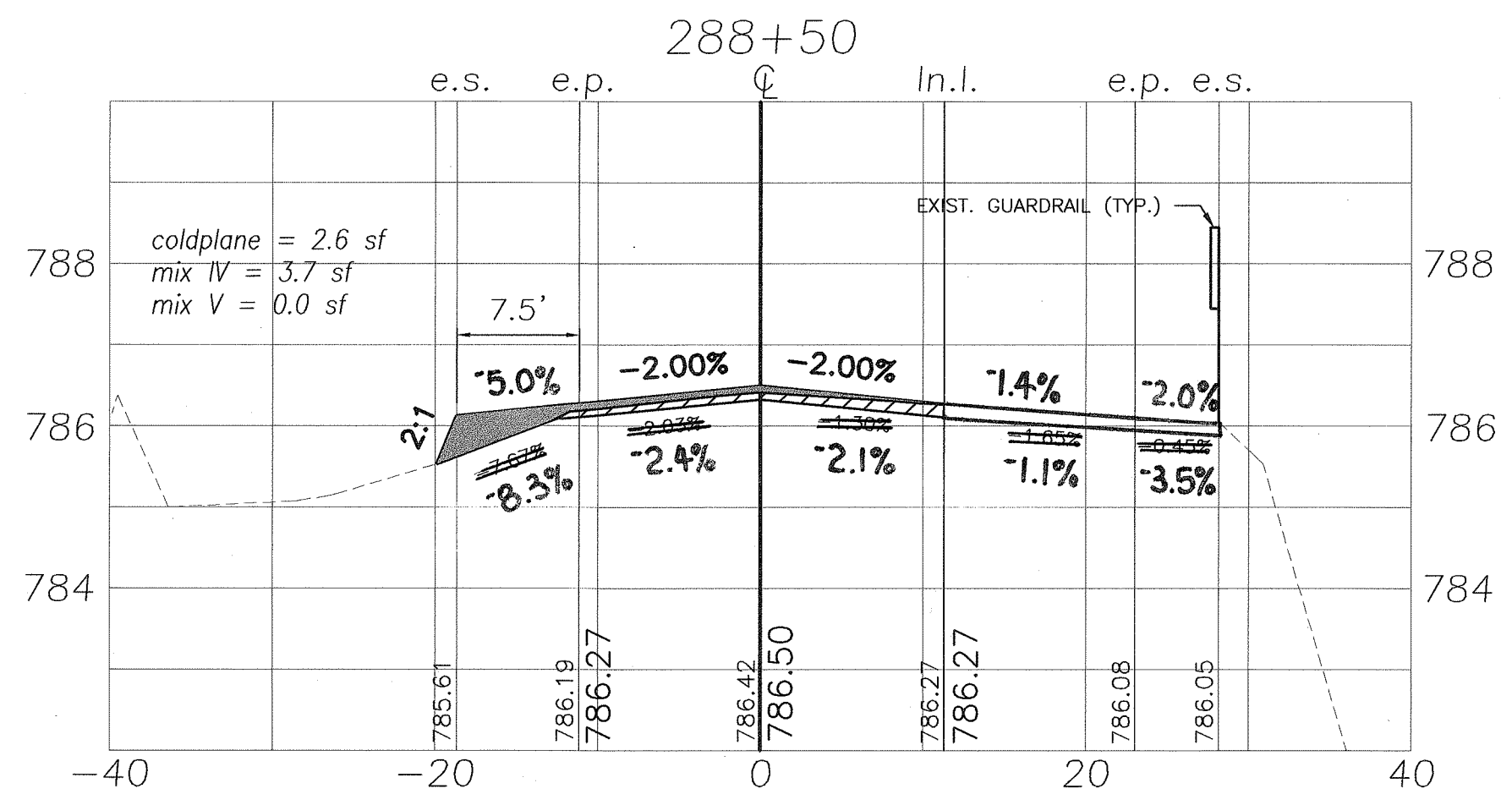
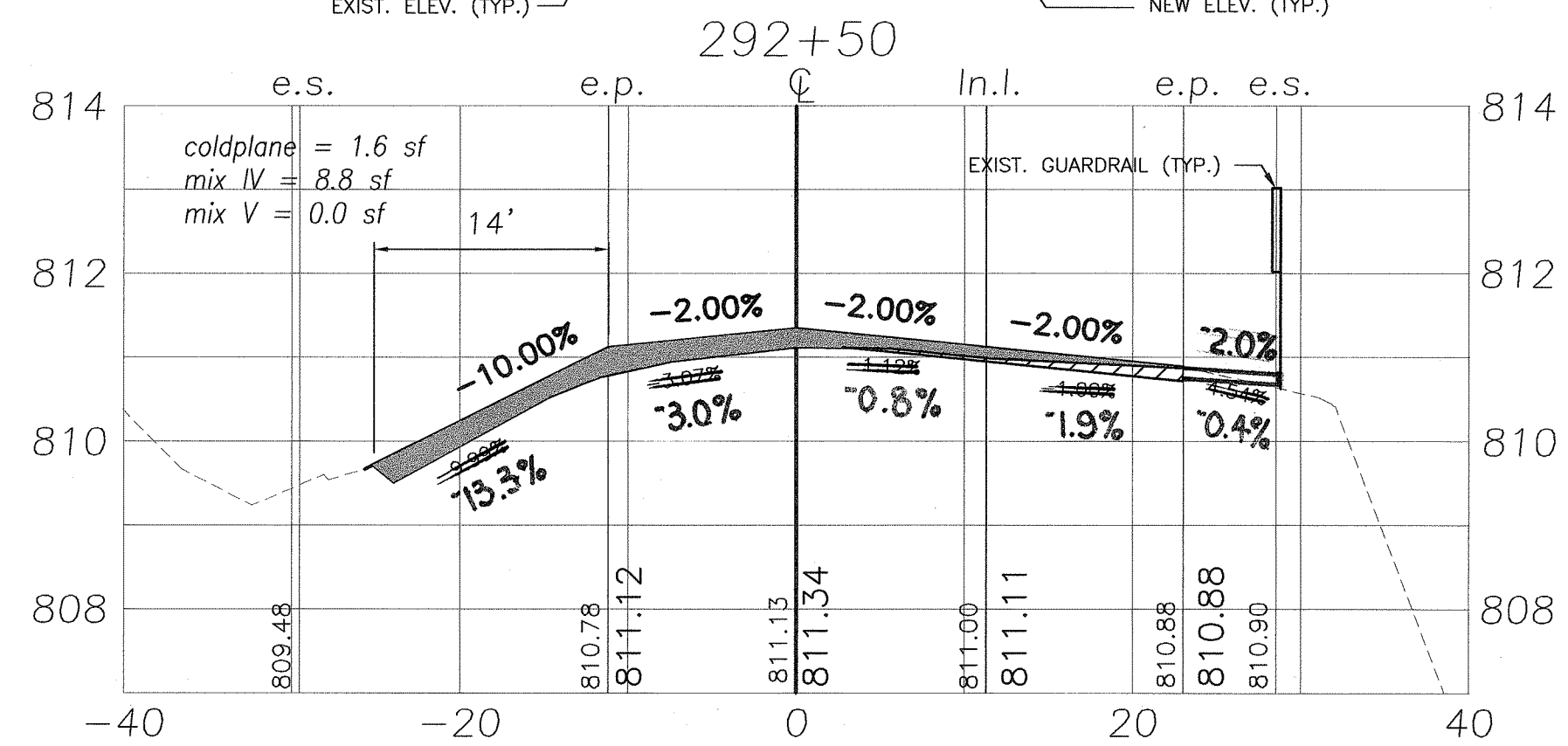
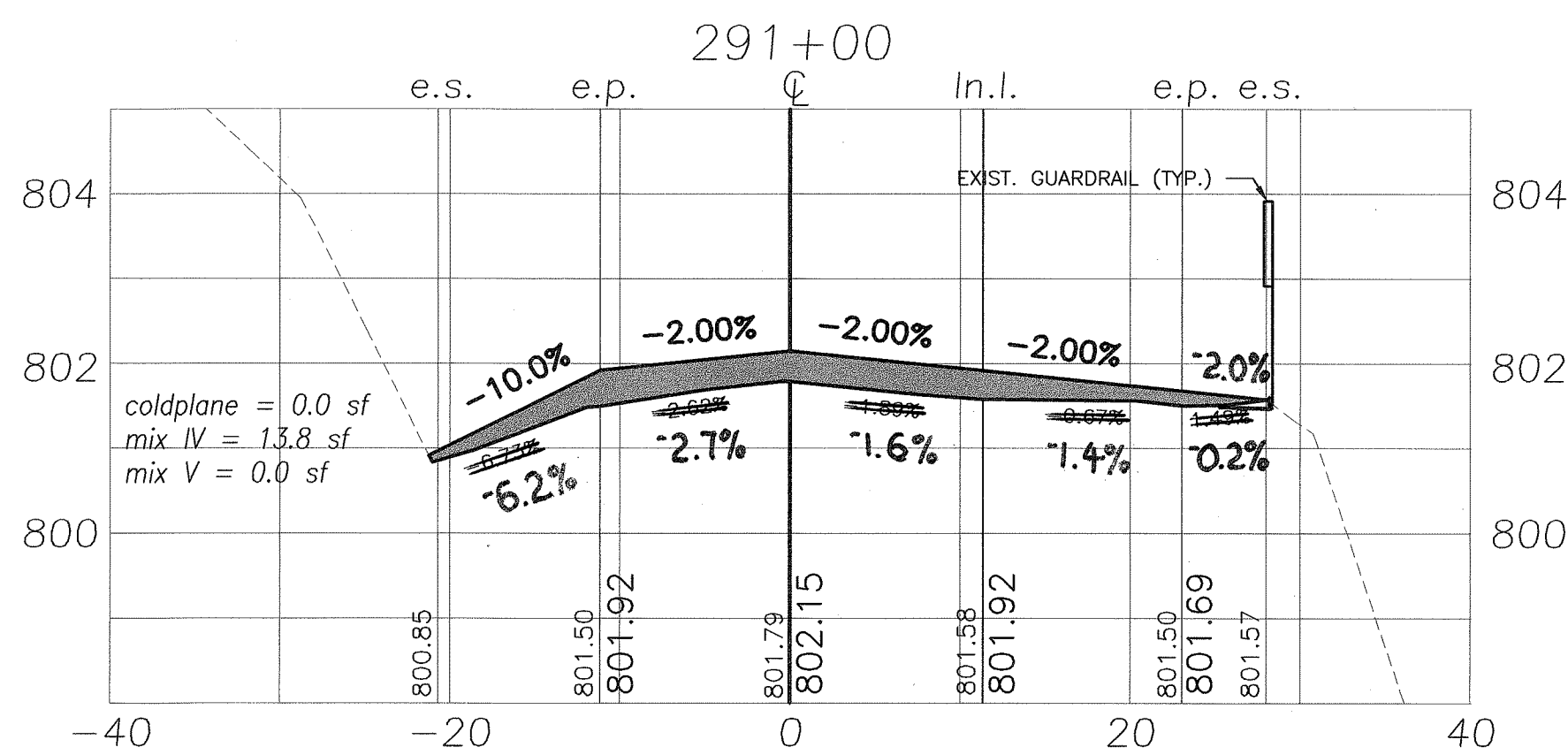
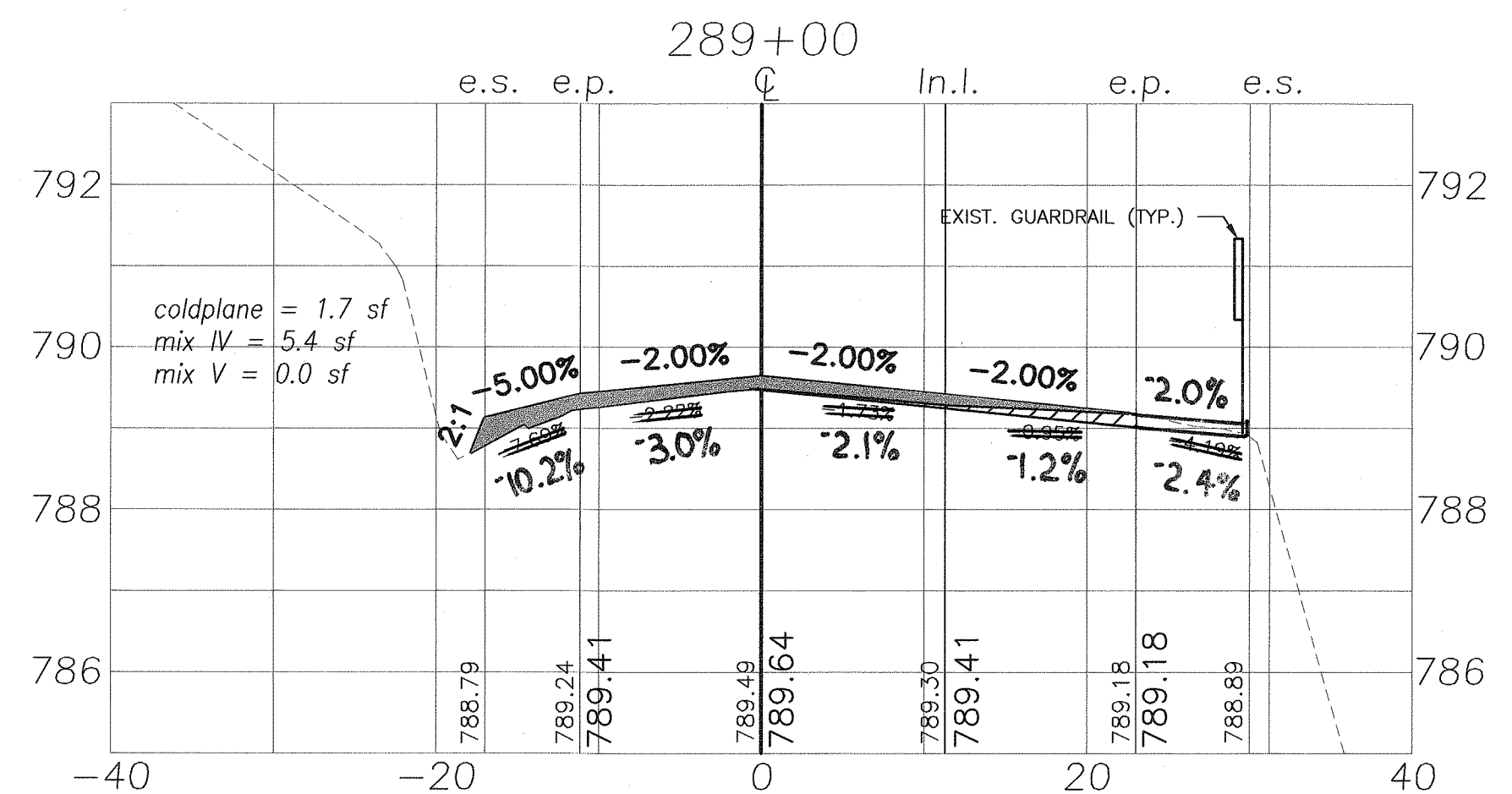
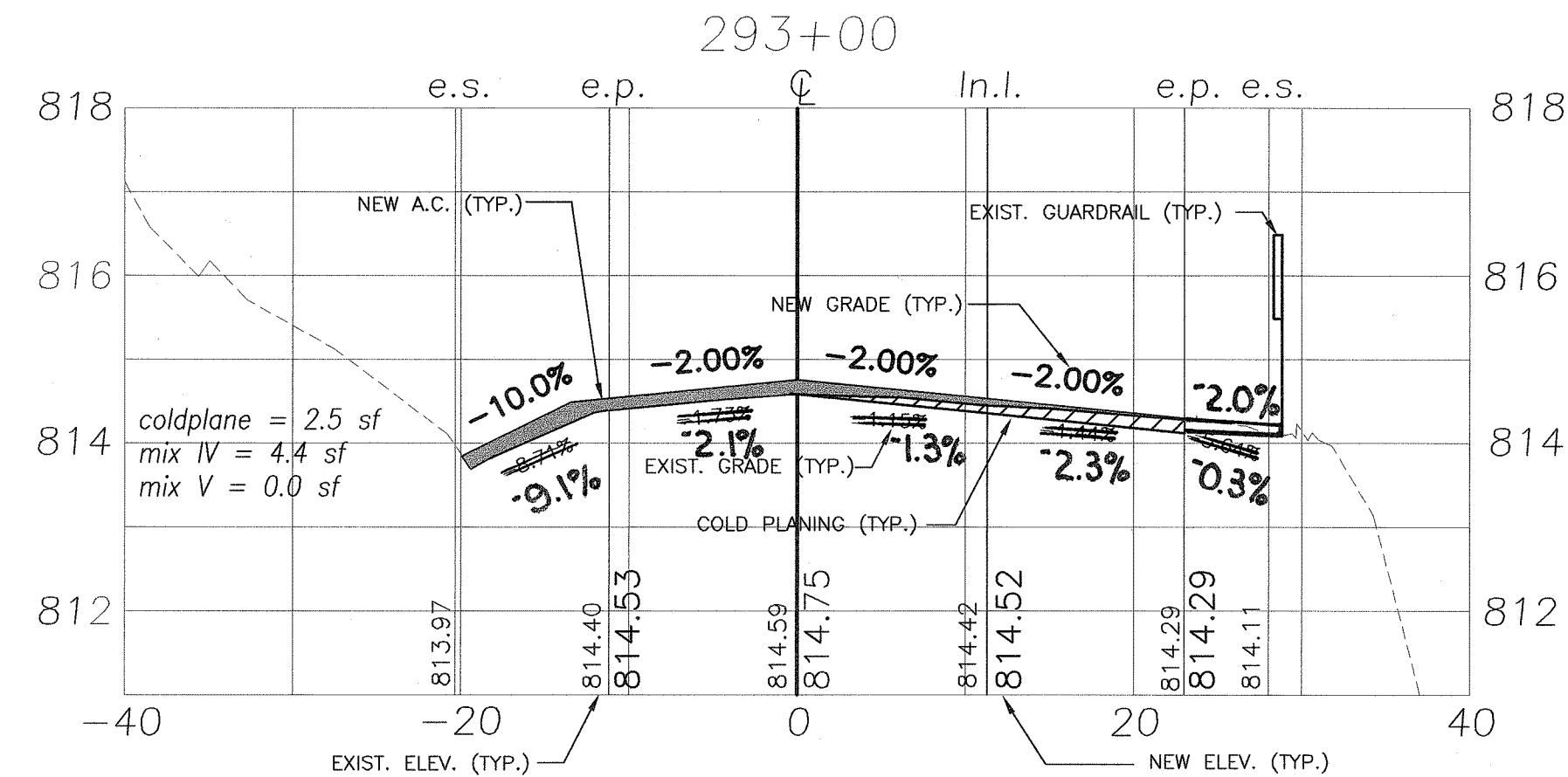
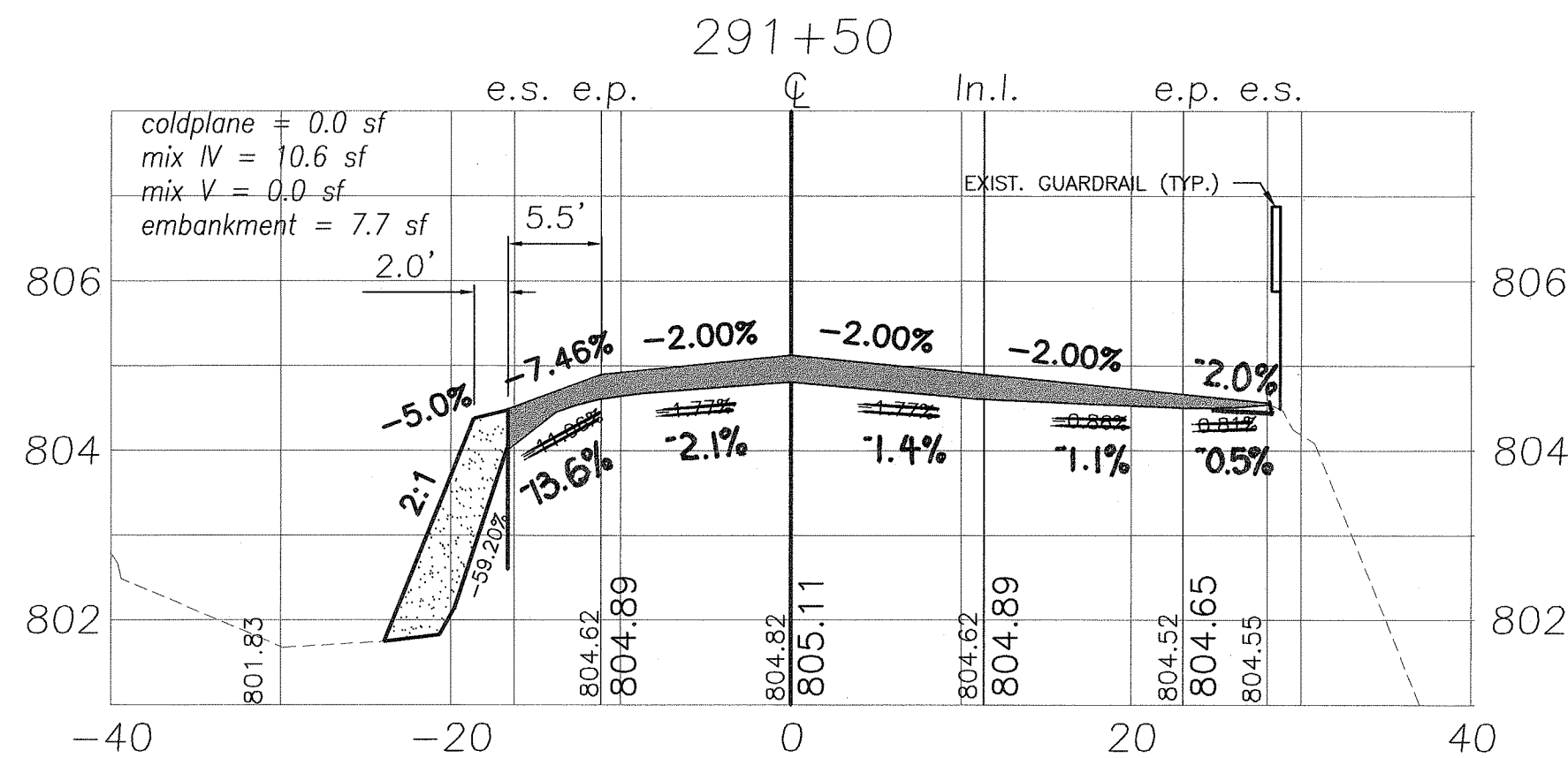
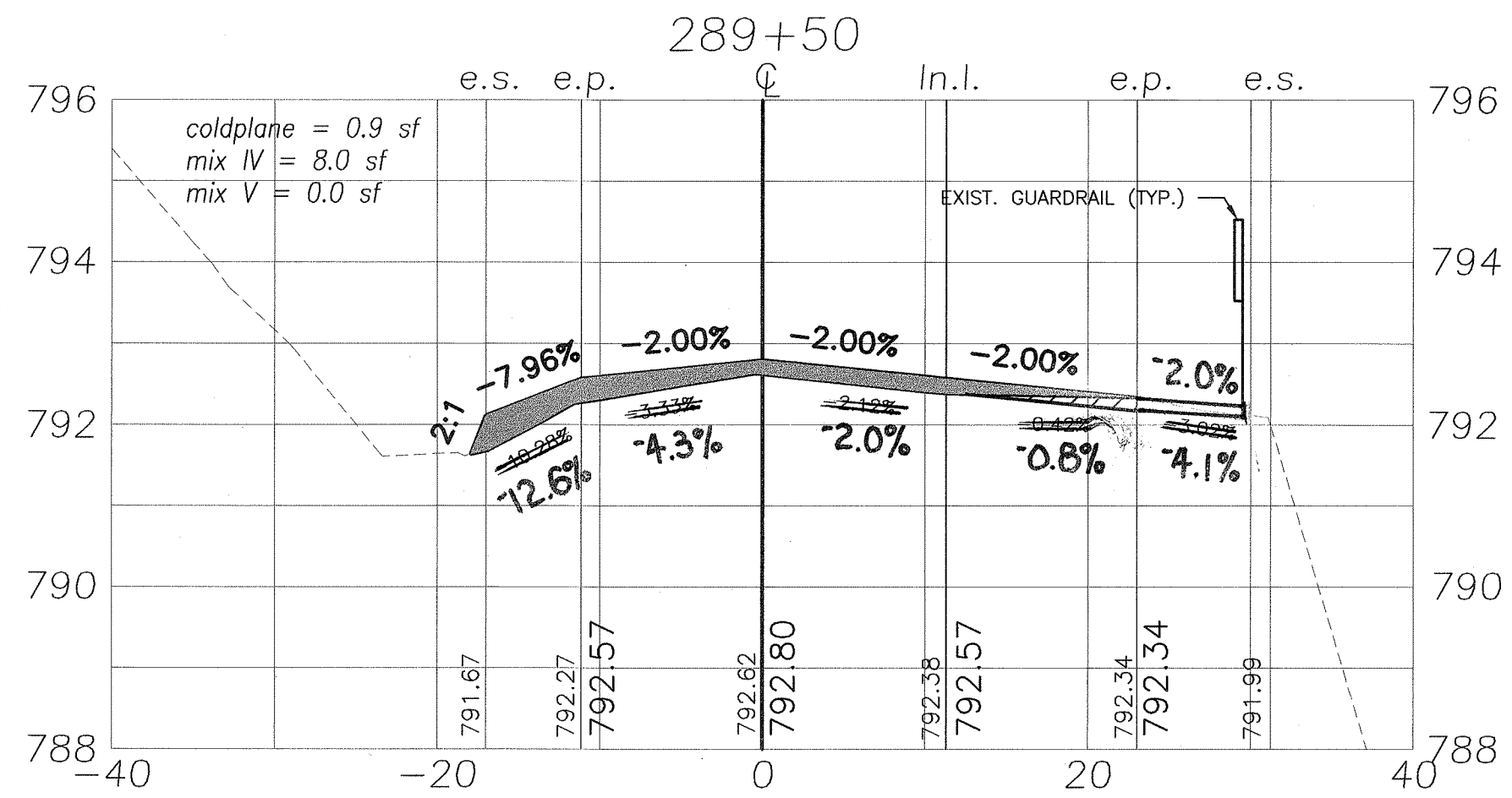
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
KUAKINI HIGHWAY, ROADWAY & DRAINAGE IMPROVEMENTS,
Vicinity of Walua Road
Project No. 11A-03-01, Unit 1

Date: June 2008
SHEET No. OF SHEETS

"AS-BUILT"

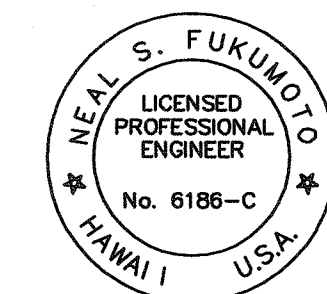
ADD. 23

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-03-01, UNIT 1	2008	24	29



HORIZONTAL SCALE: 1"=10'

VERTICAL SCALE: 1"=2'



This work was prepared by me or under my supervision.
Exp. 04-30-10

Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

KUAKINI HIGHWAY, ROADWAY & DRAINAGE IMPROVEMENTS,
Vicinity of Waiua Road
Project No. 11A-03-01, Unit 1

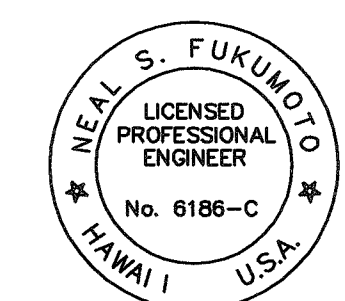
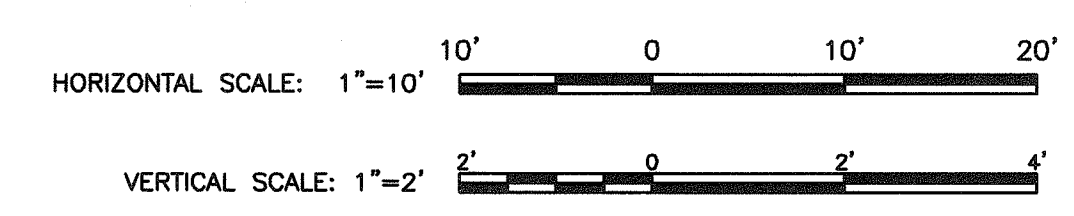
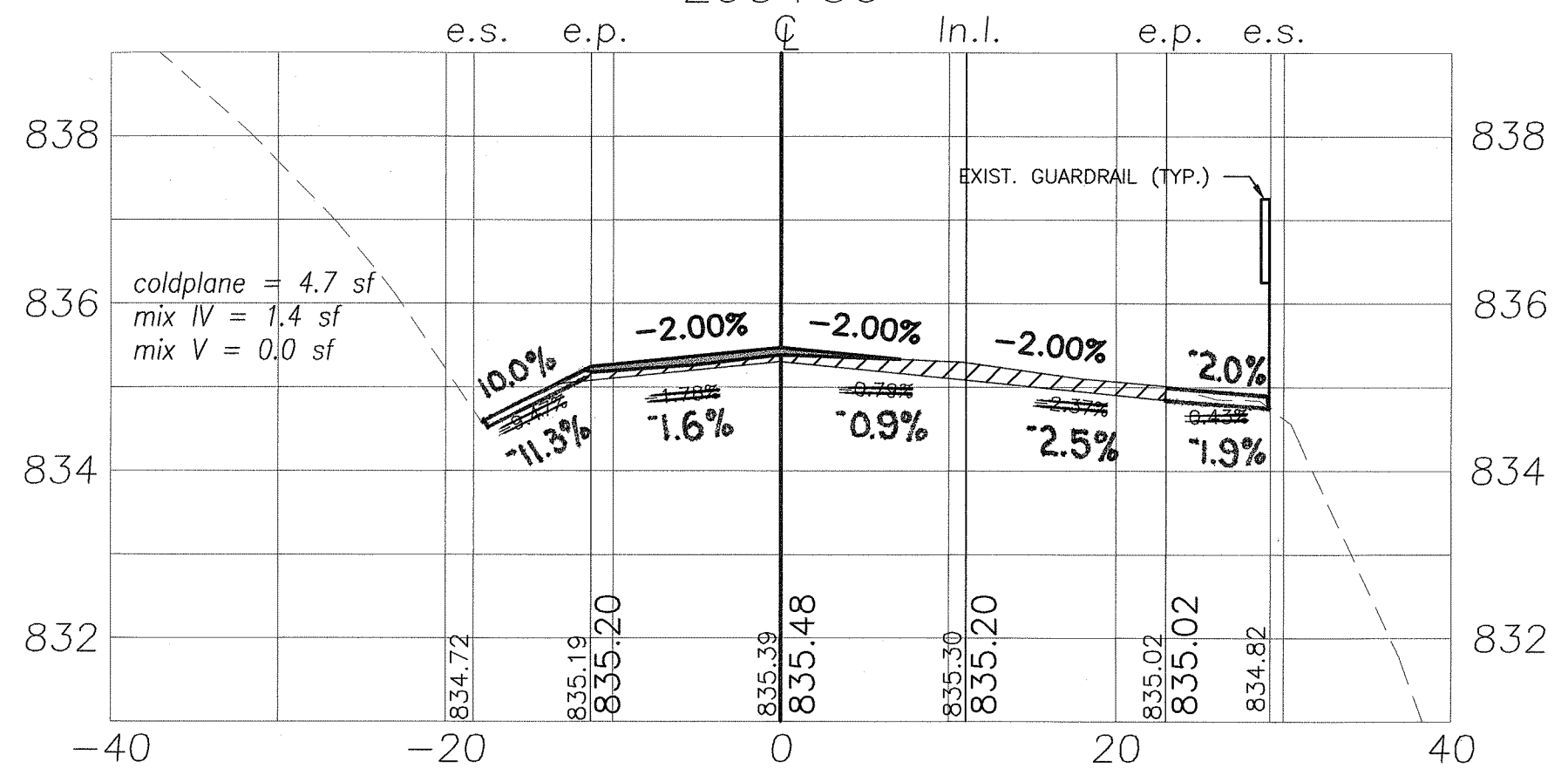
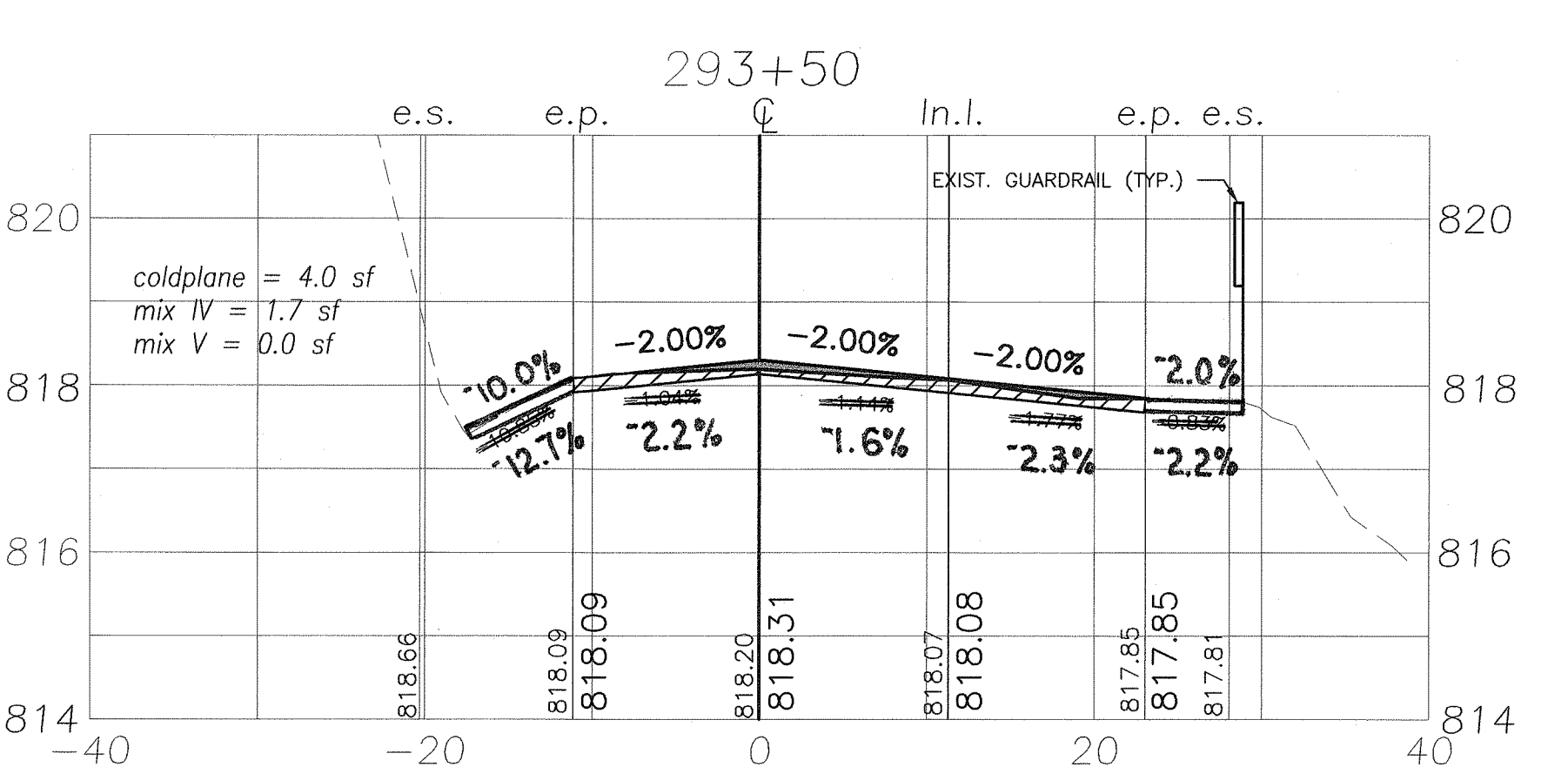
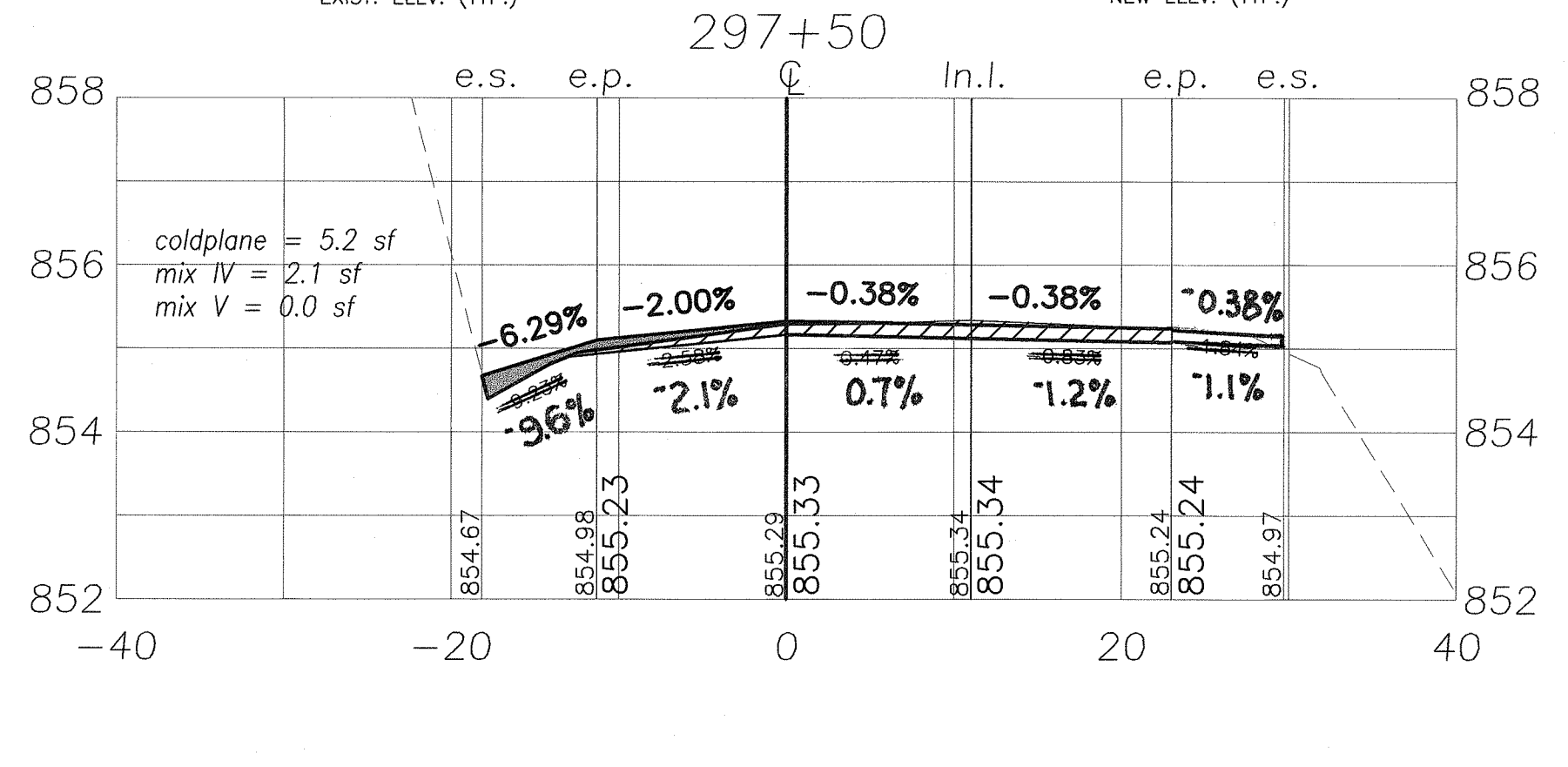
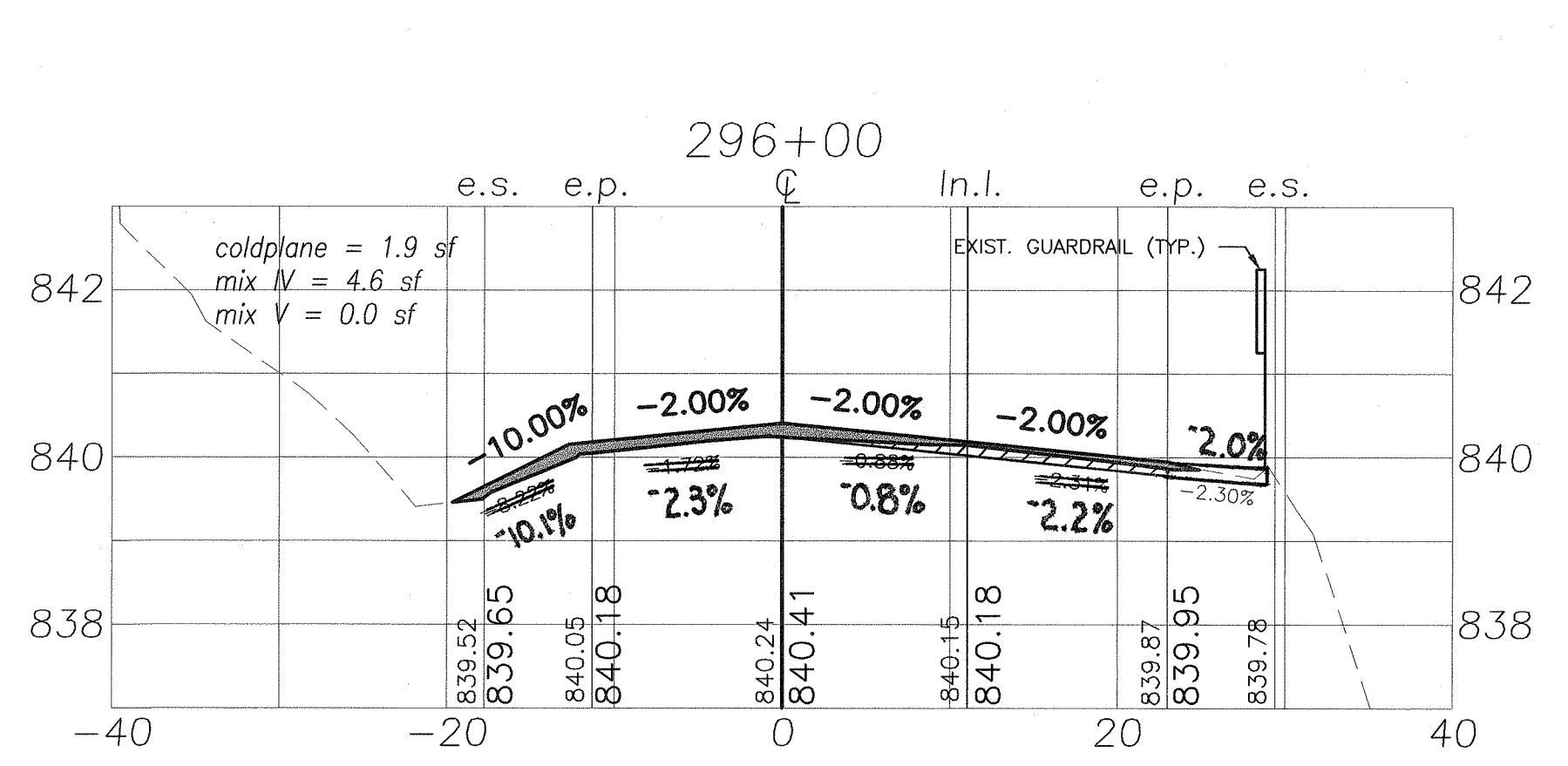
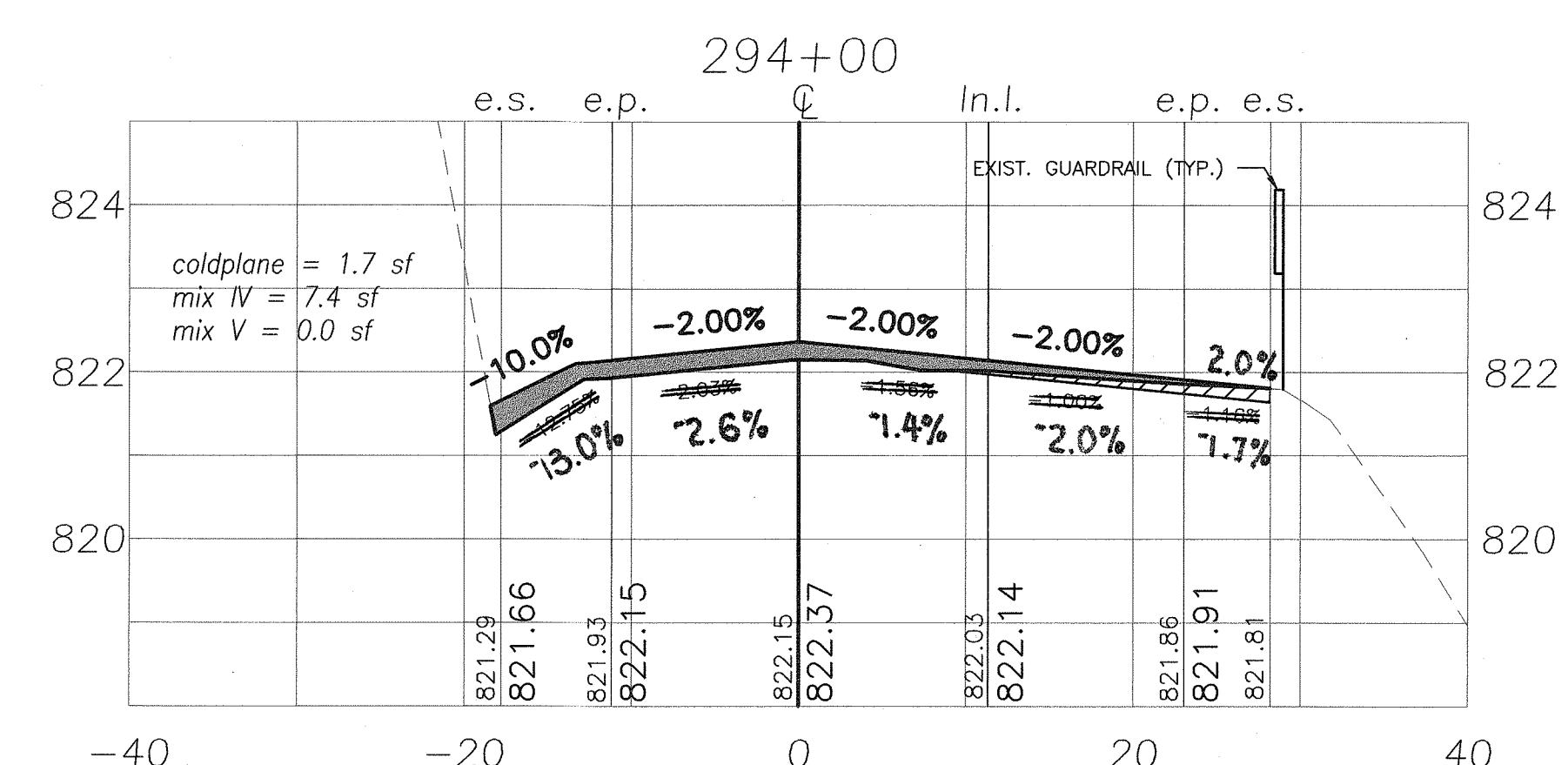
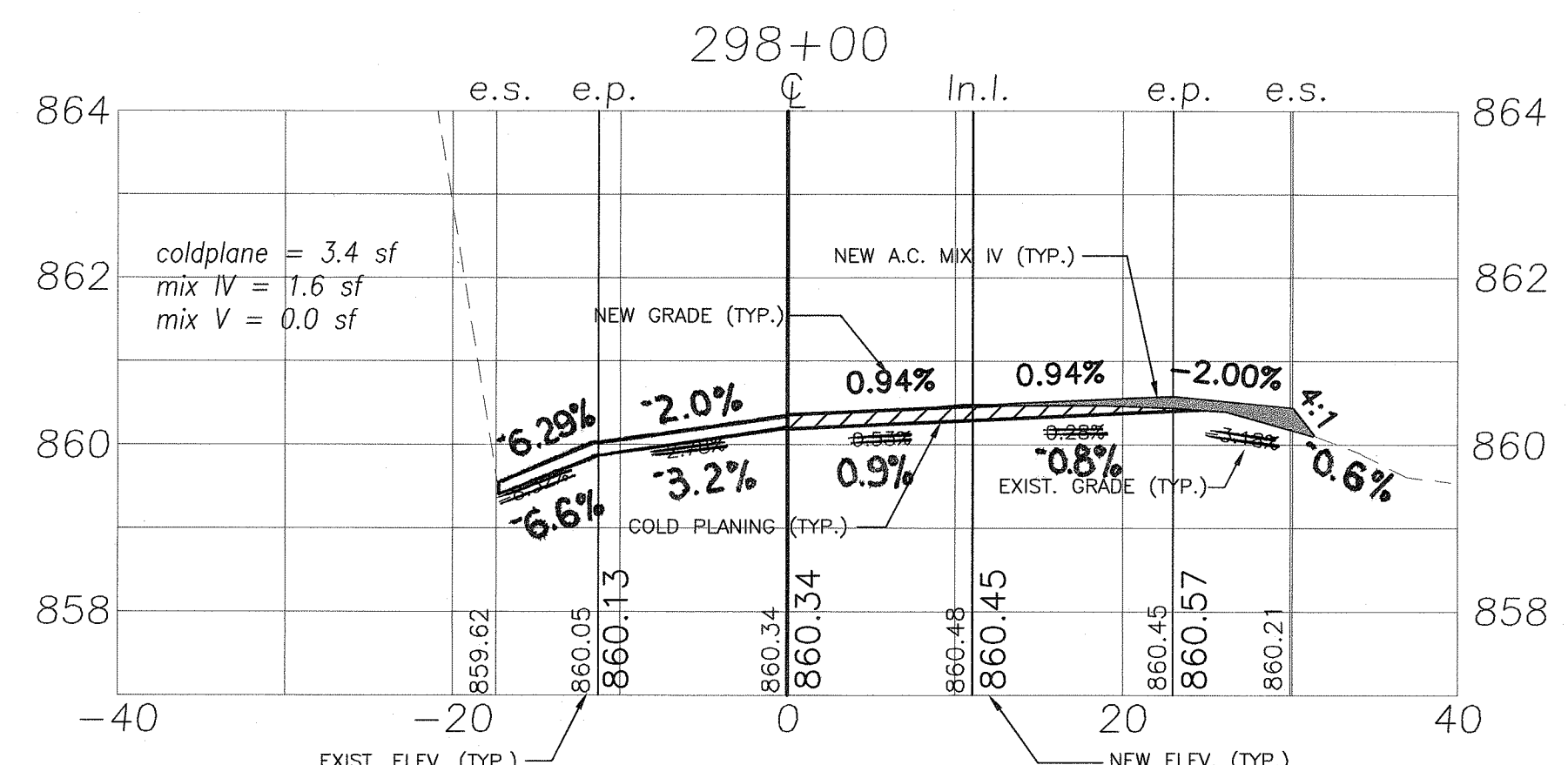
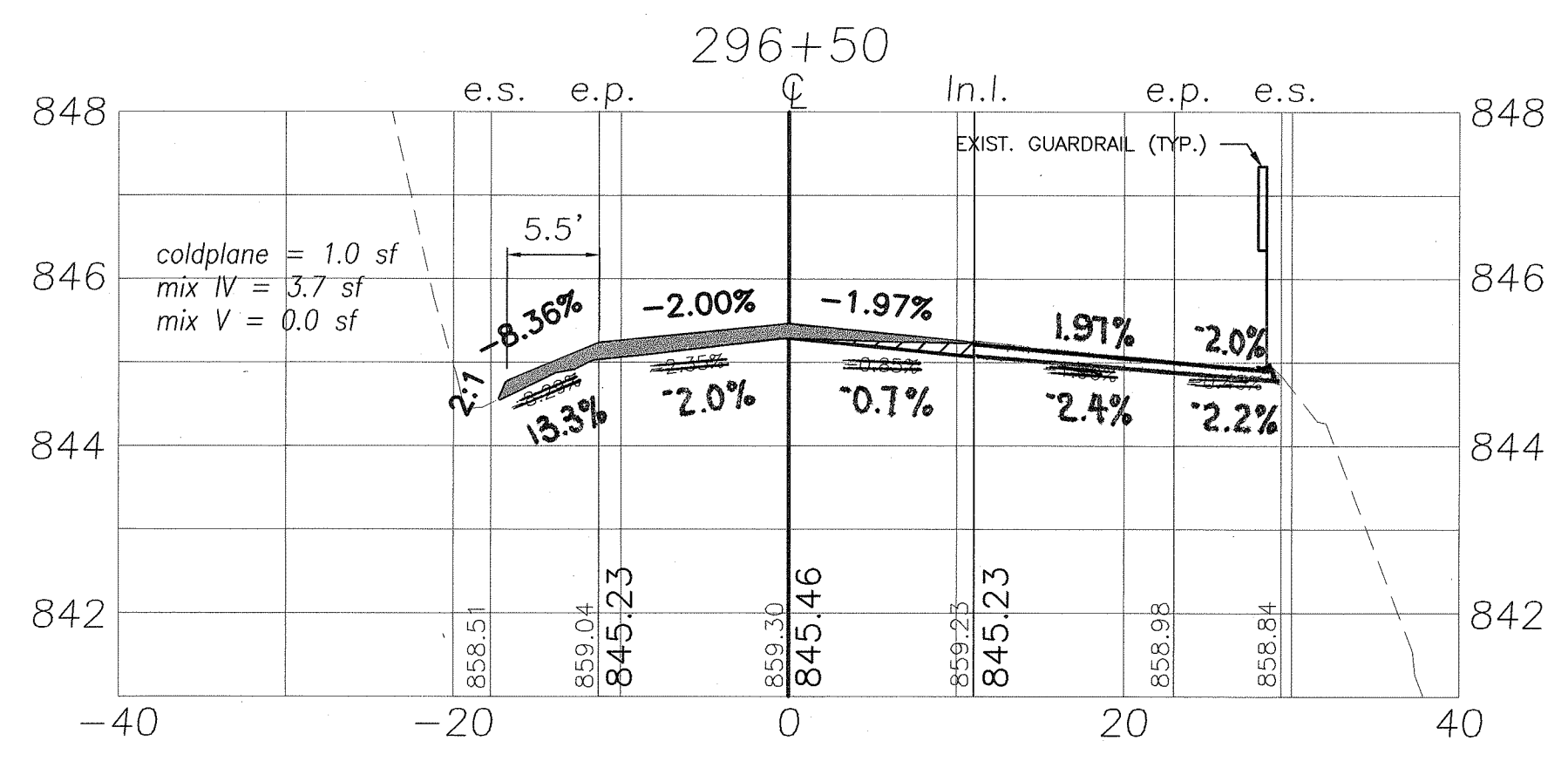
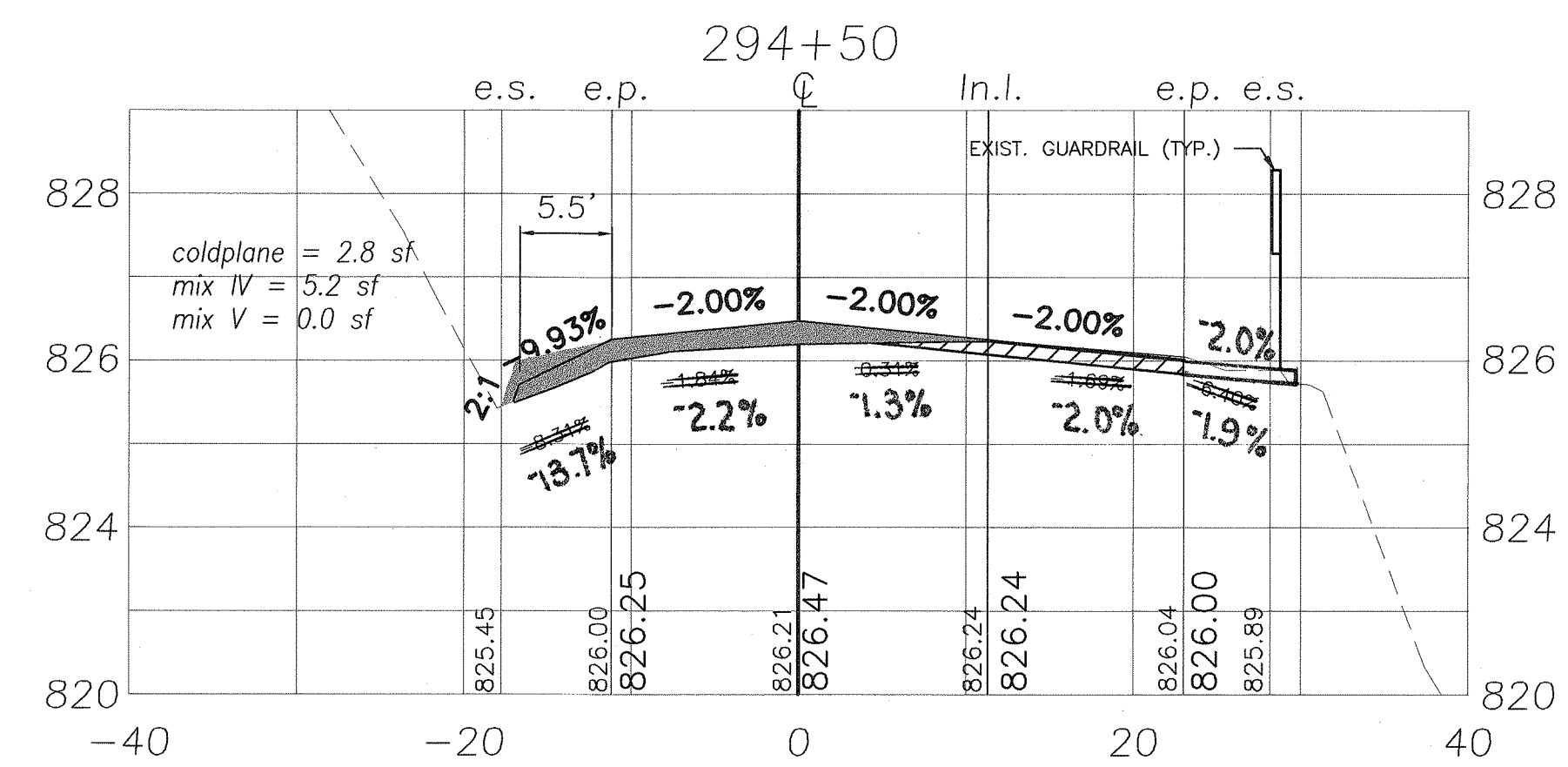
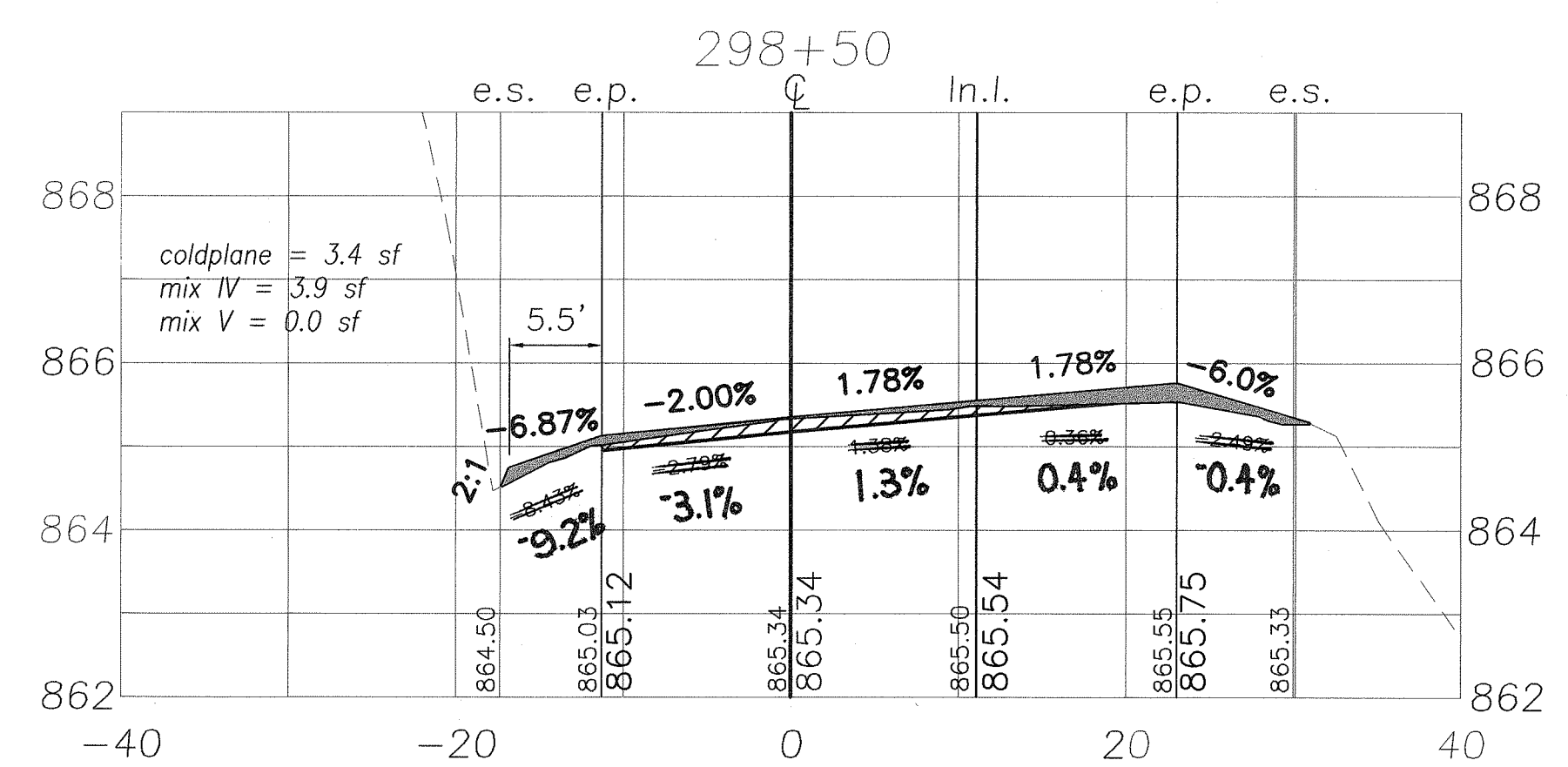
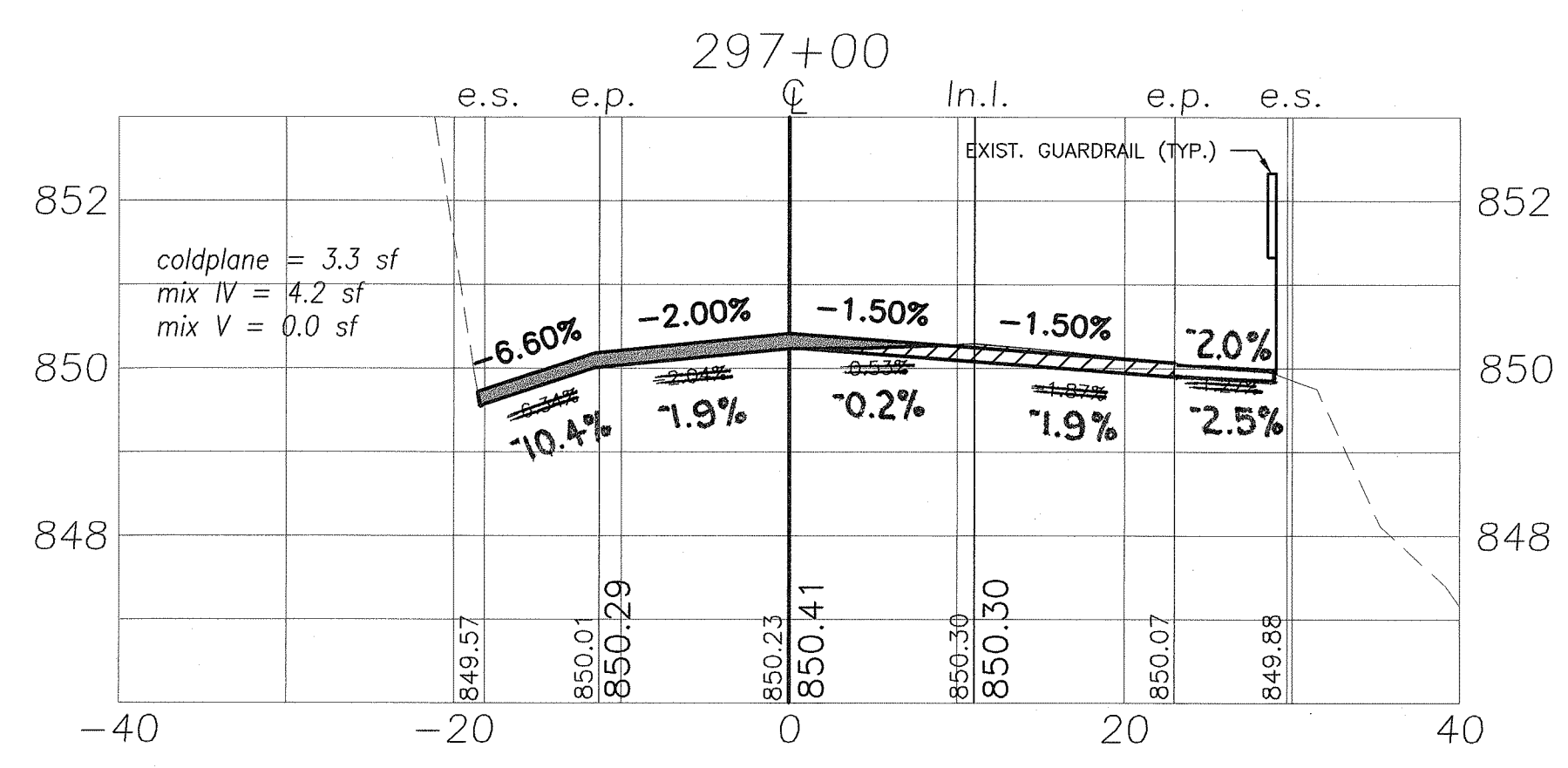
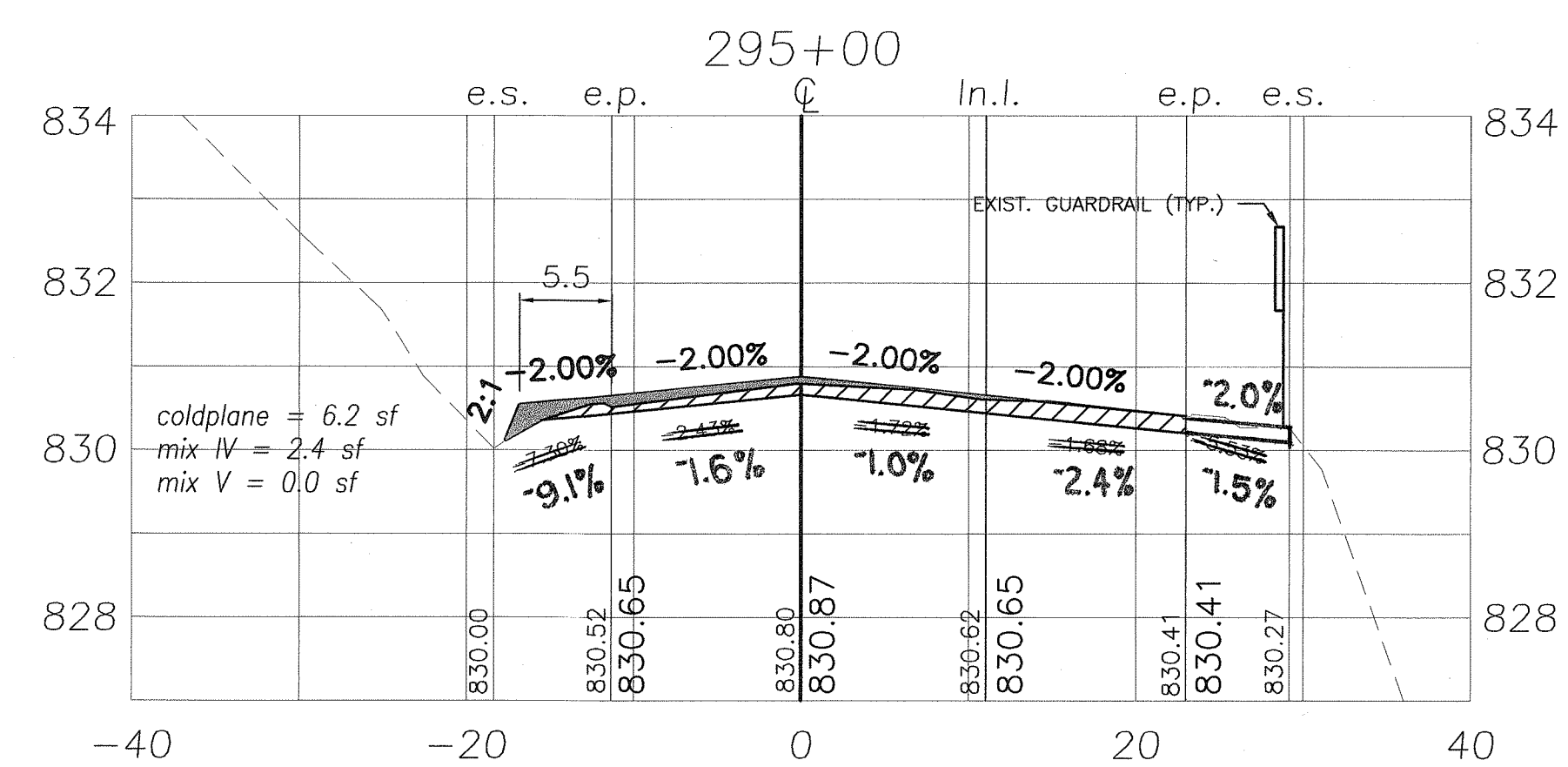
Date: April 2008

SHEET No. OF SHEETS

"AS-BUILT"

24

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-03-01, UNIT 1	2008	ADD. 25	29



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

KUAKINI HIGHWAY, ROADWAY & DRAINAGE IMPROVEMENTS,
Vicinity of Waiua Road
Project No. 11A-03-01, Unit 1

Date: June 2008

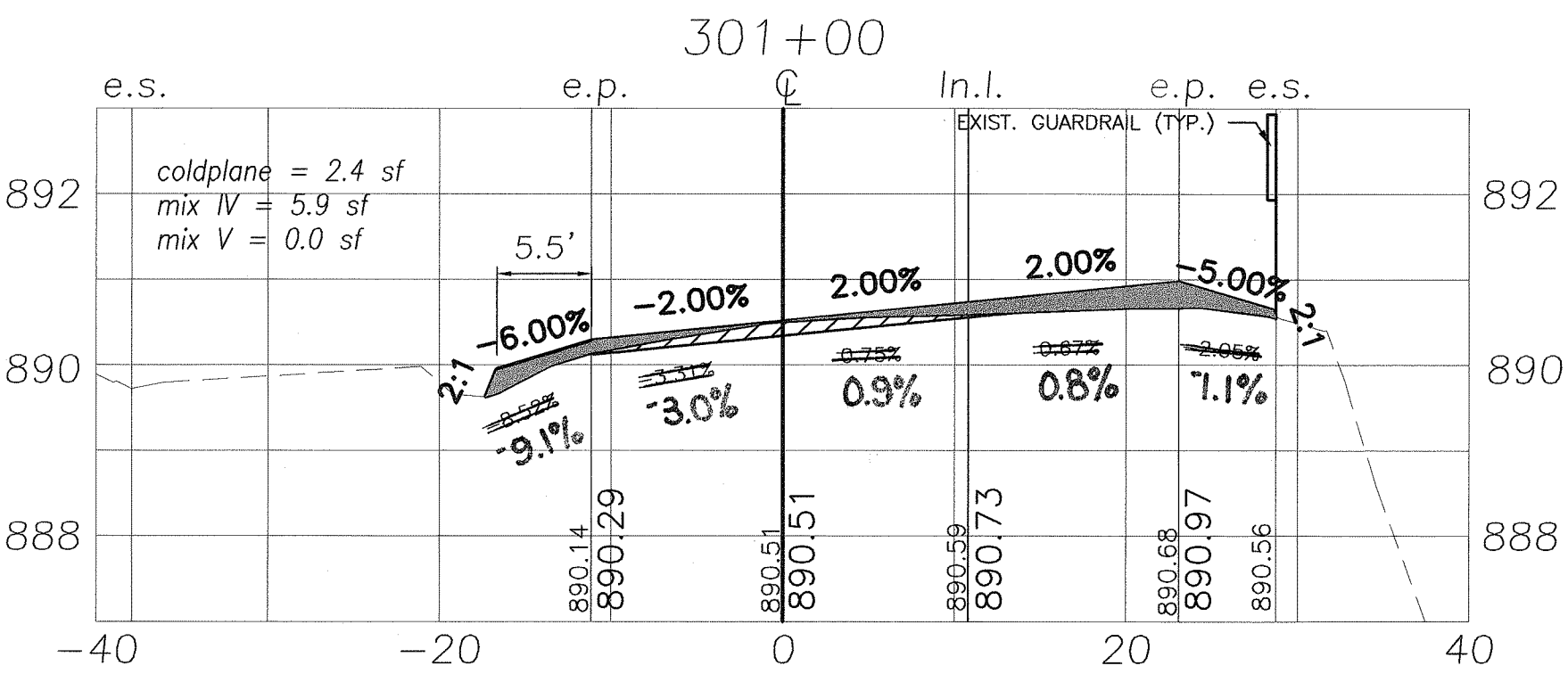
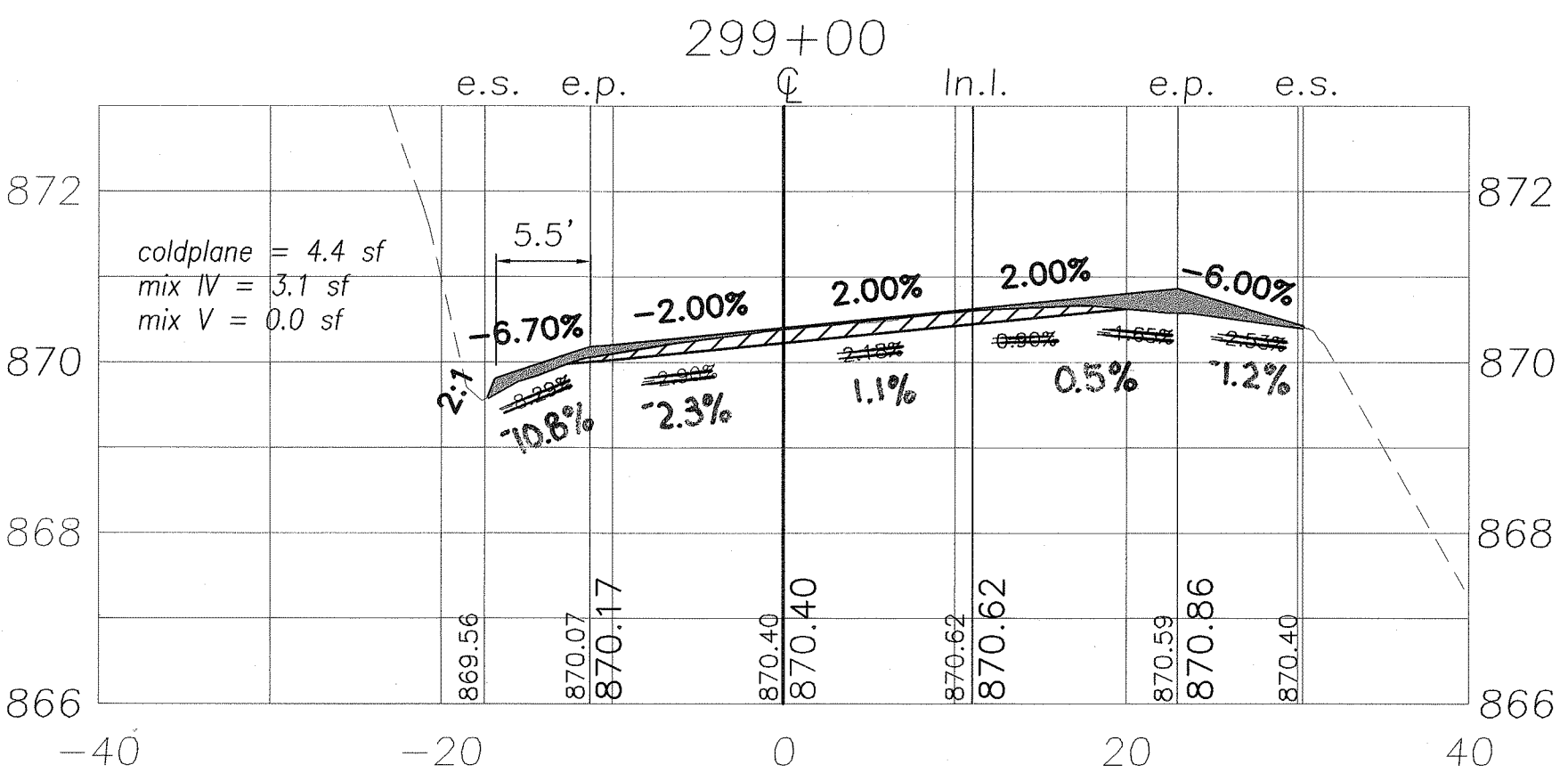
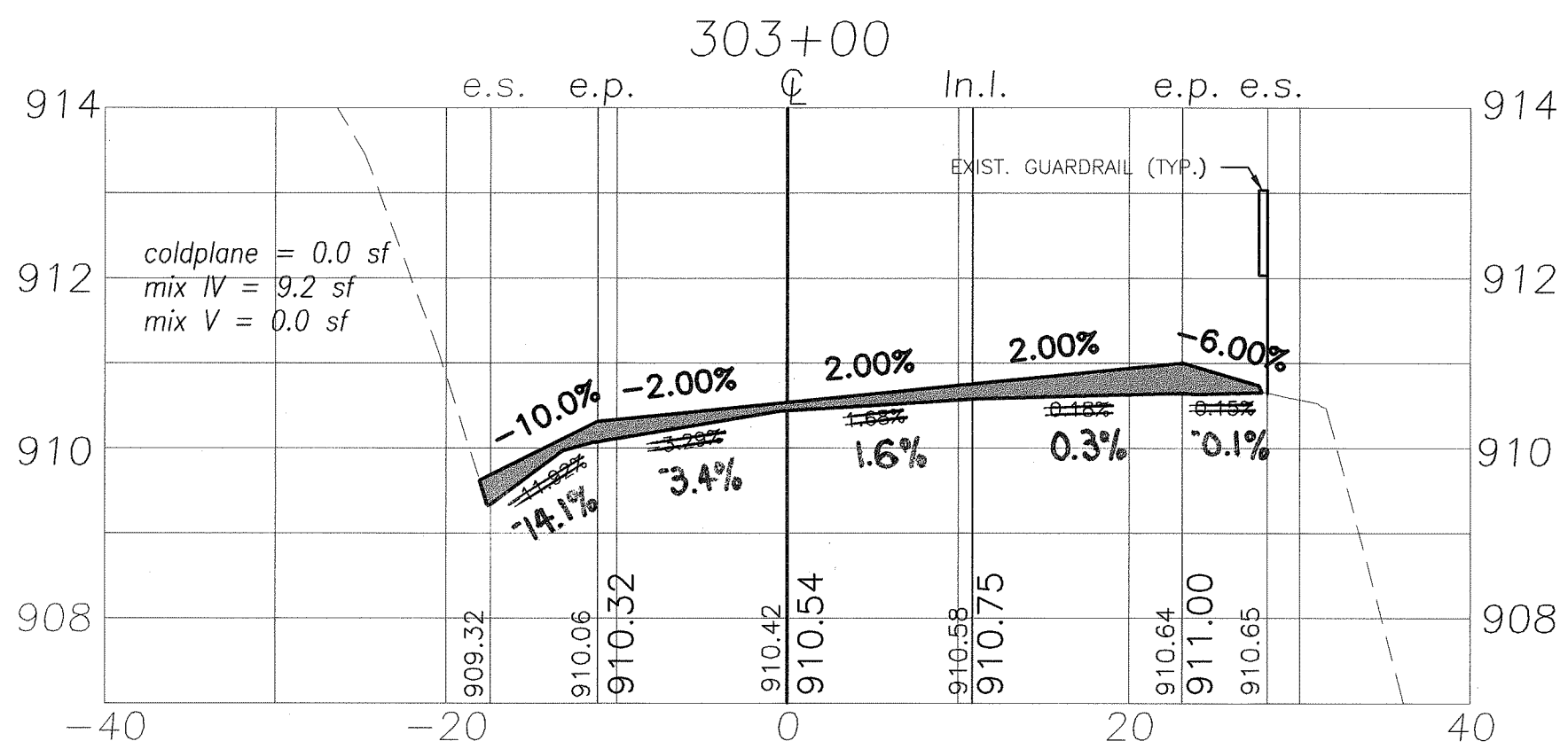
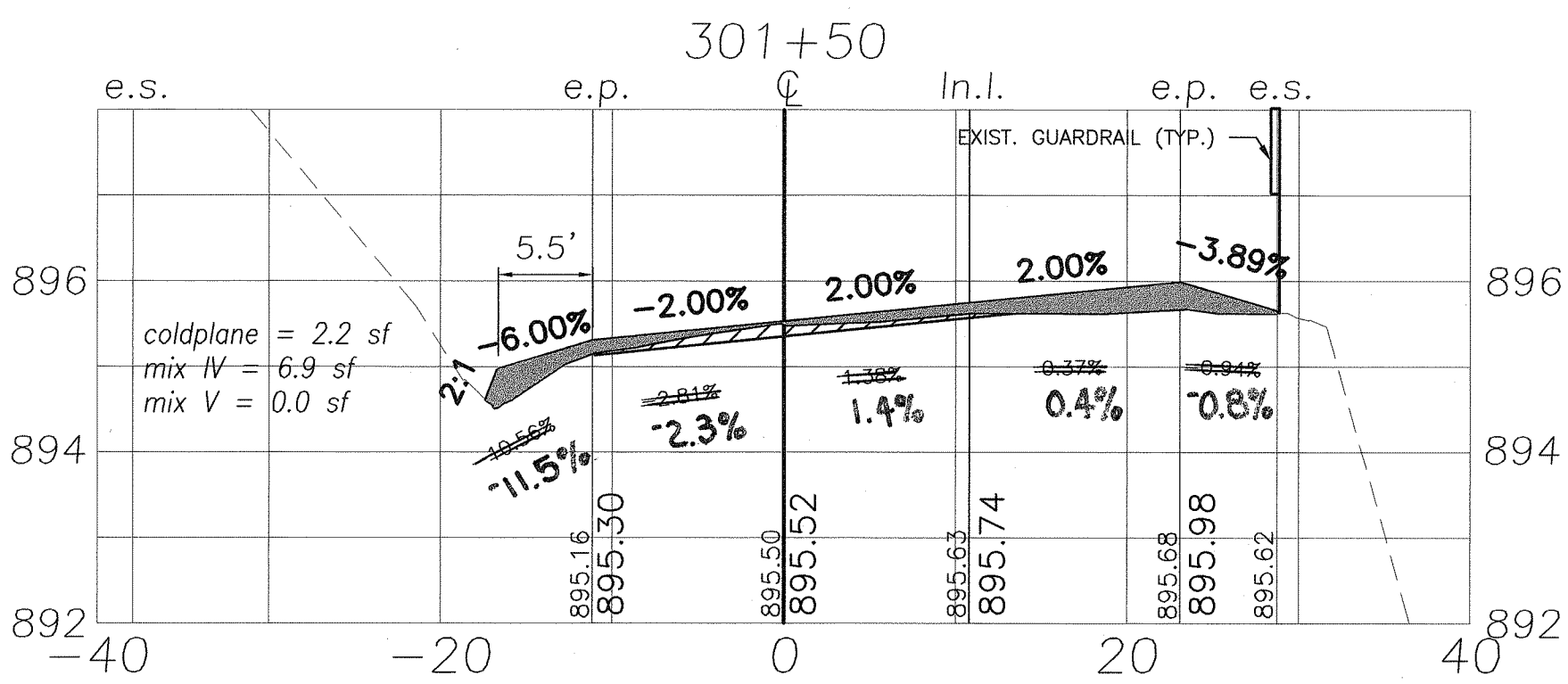
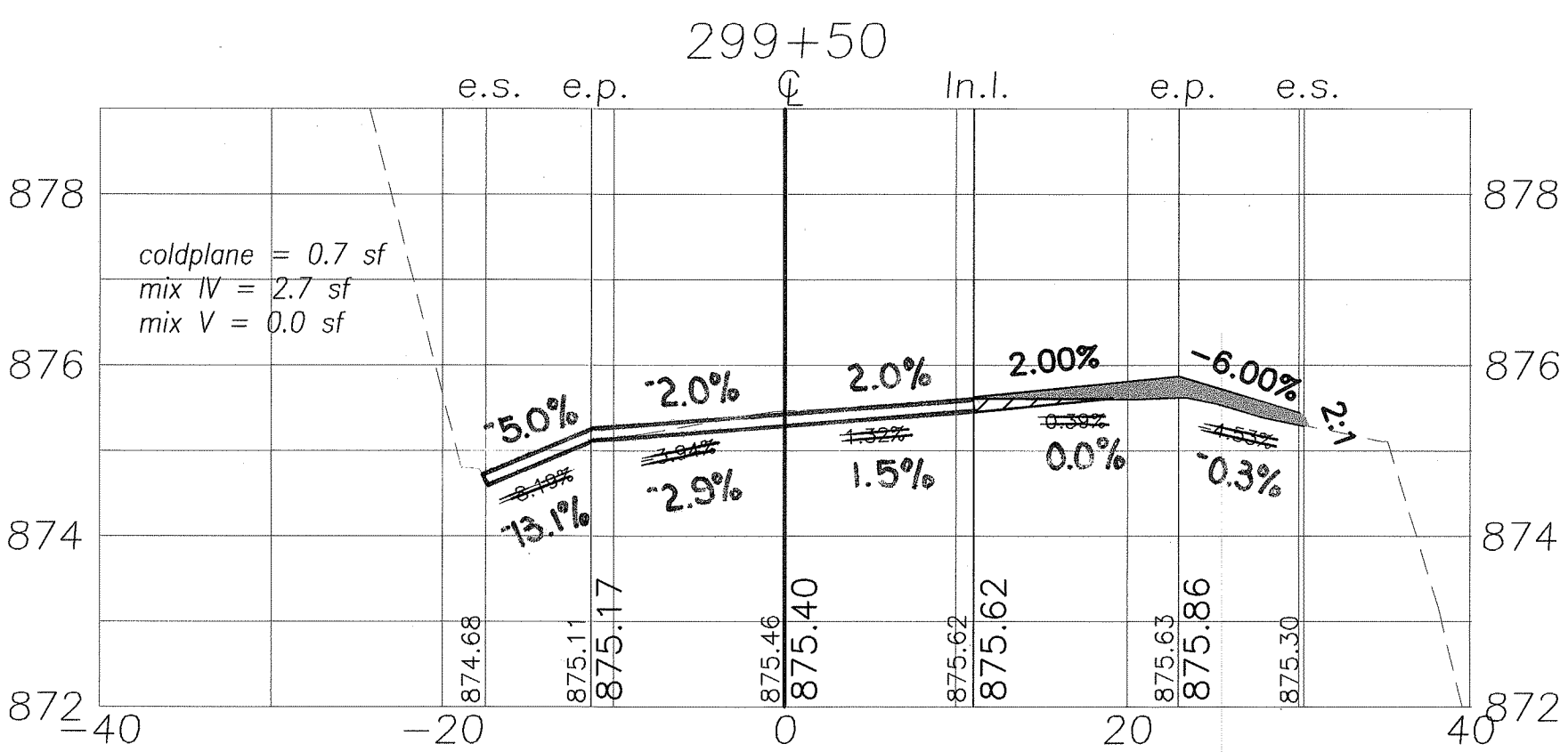
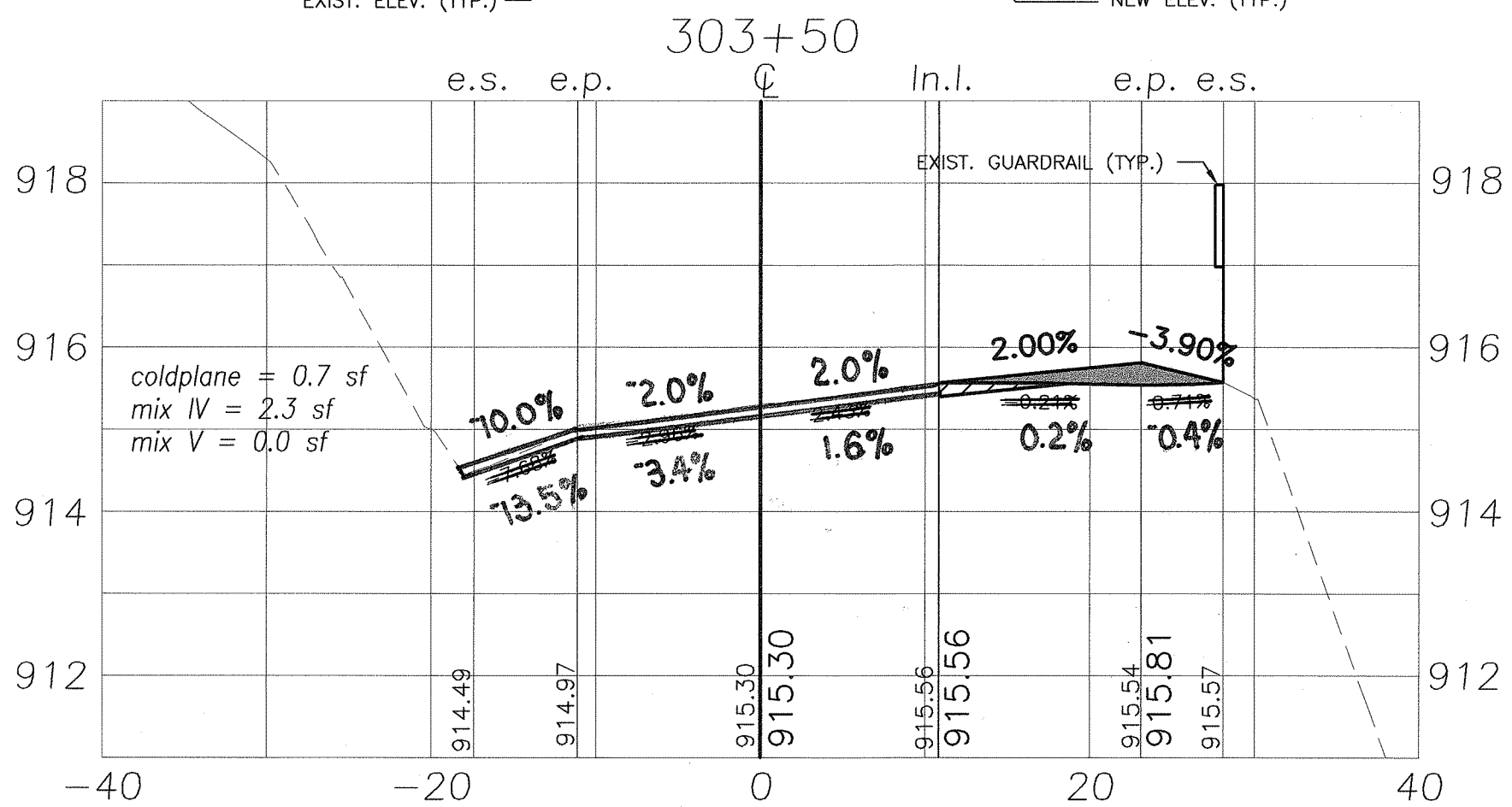
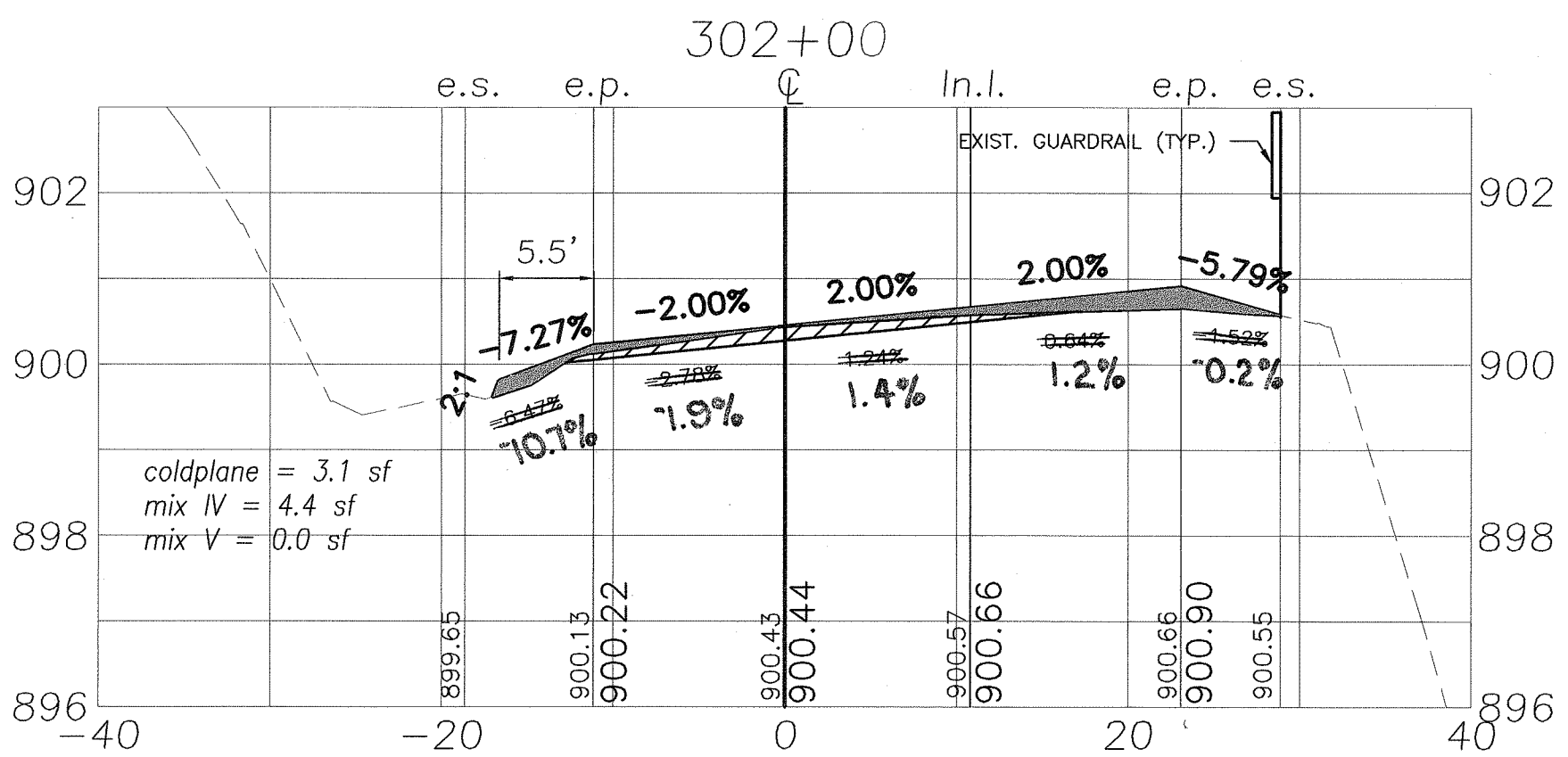
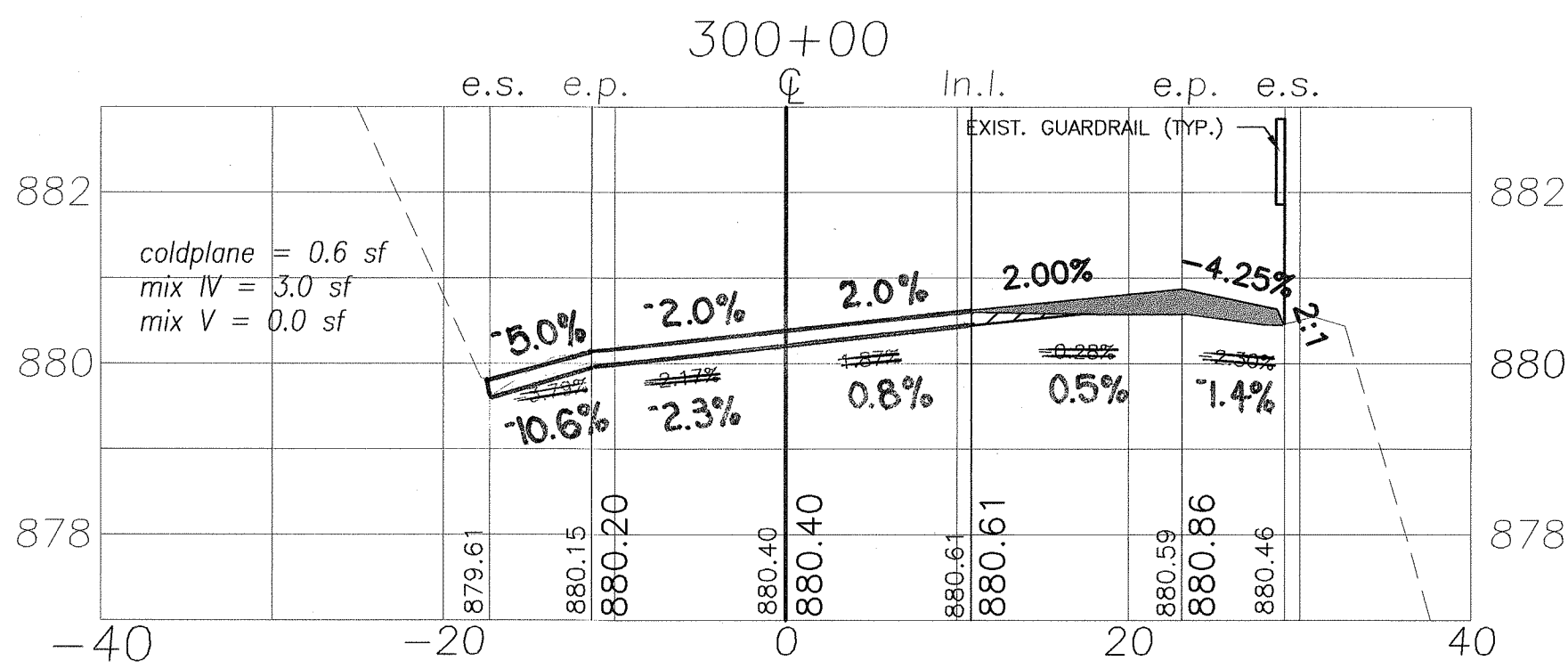
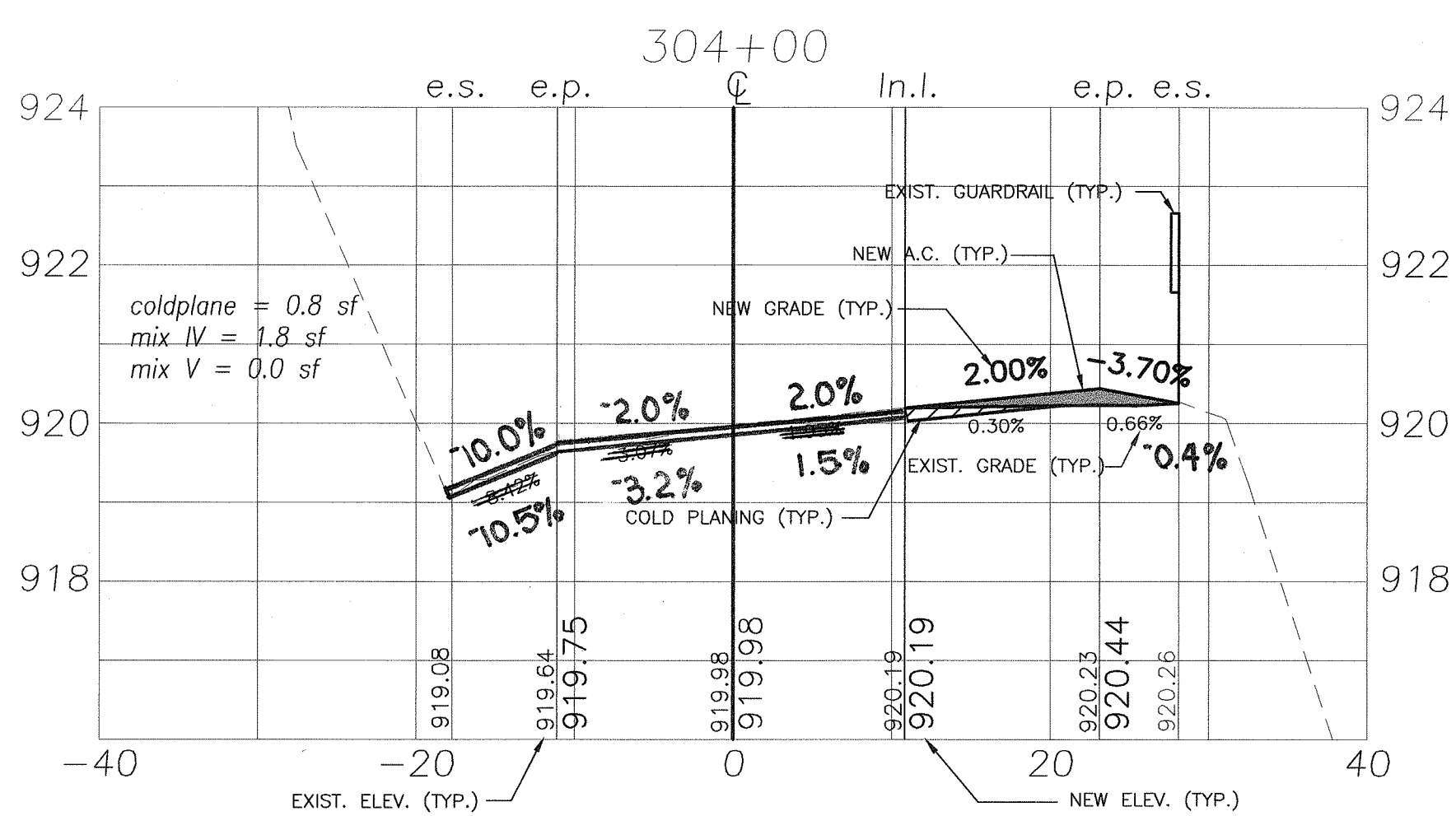
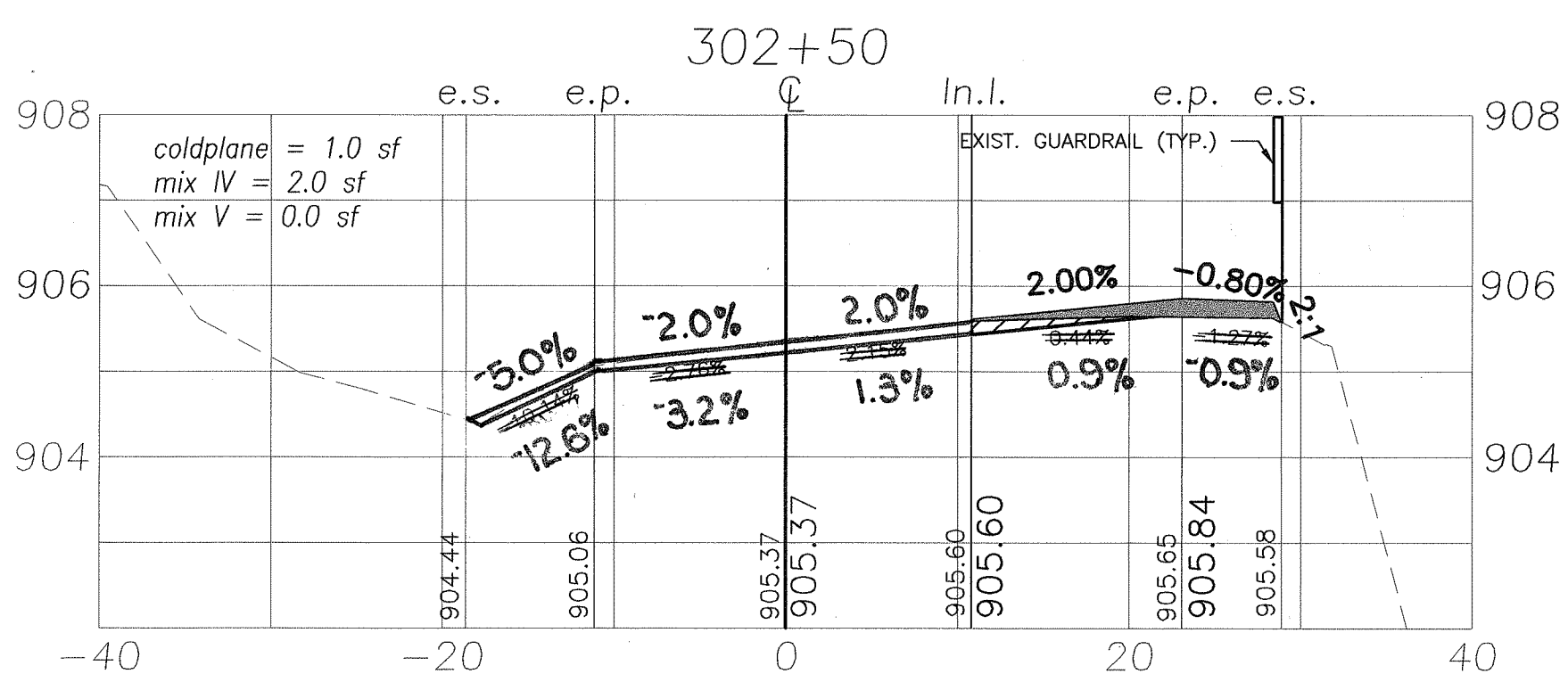
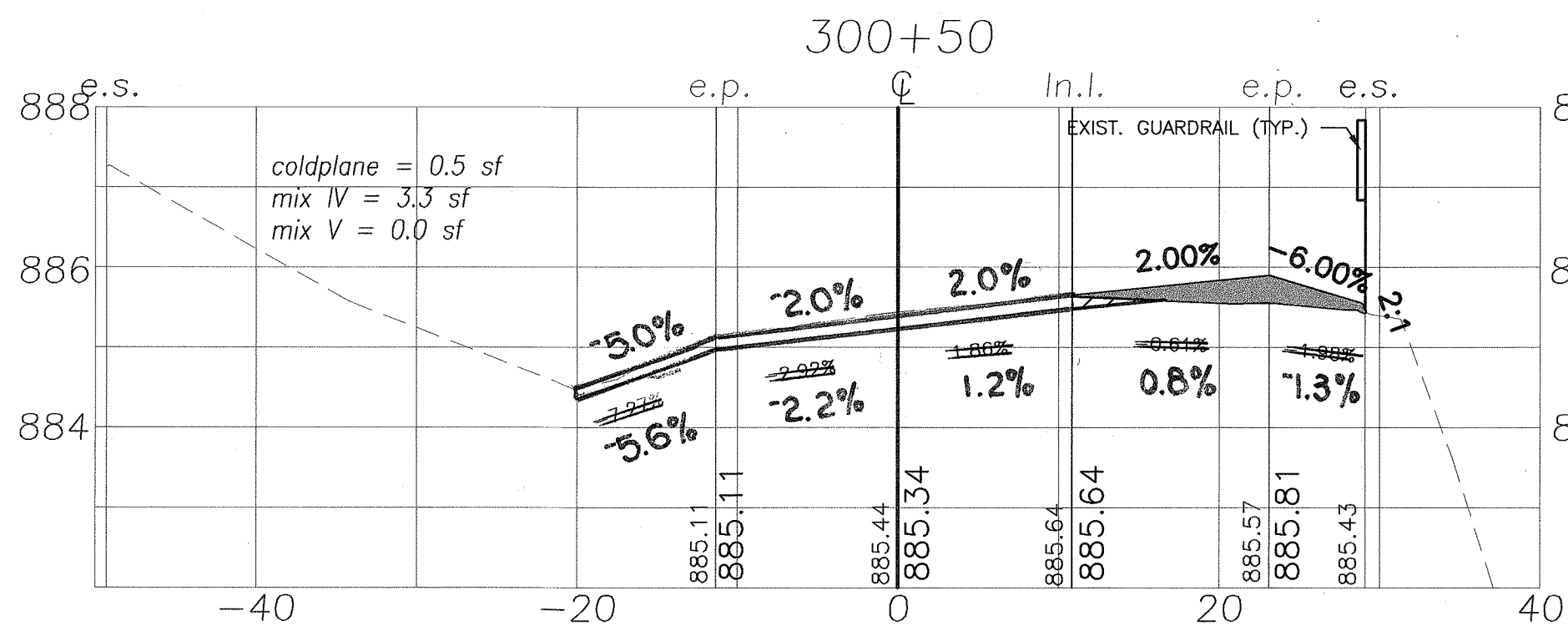
6/12/08	Revised Slope to 4:1. Replace Sheet per Addendum No. 1
DATE	REVISION

This work was prepared by me or under my supervision.
Exp. 04-30-10

Neal S. Fukunoto
Wesley R. Segawa & Associates, Inc.

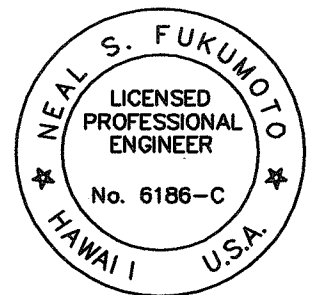
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-03-01, UNIT 1	2008	26	29



HORIZONTAL SCALE: 1"=10'

VERTICAL SCALE: 1"=2'



This work was prepared by me or under my supervision.
Exp. 04-30-10
Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

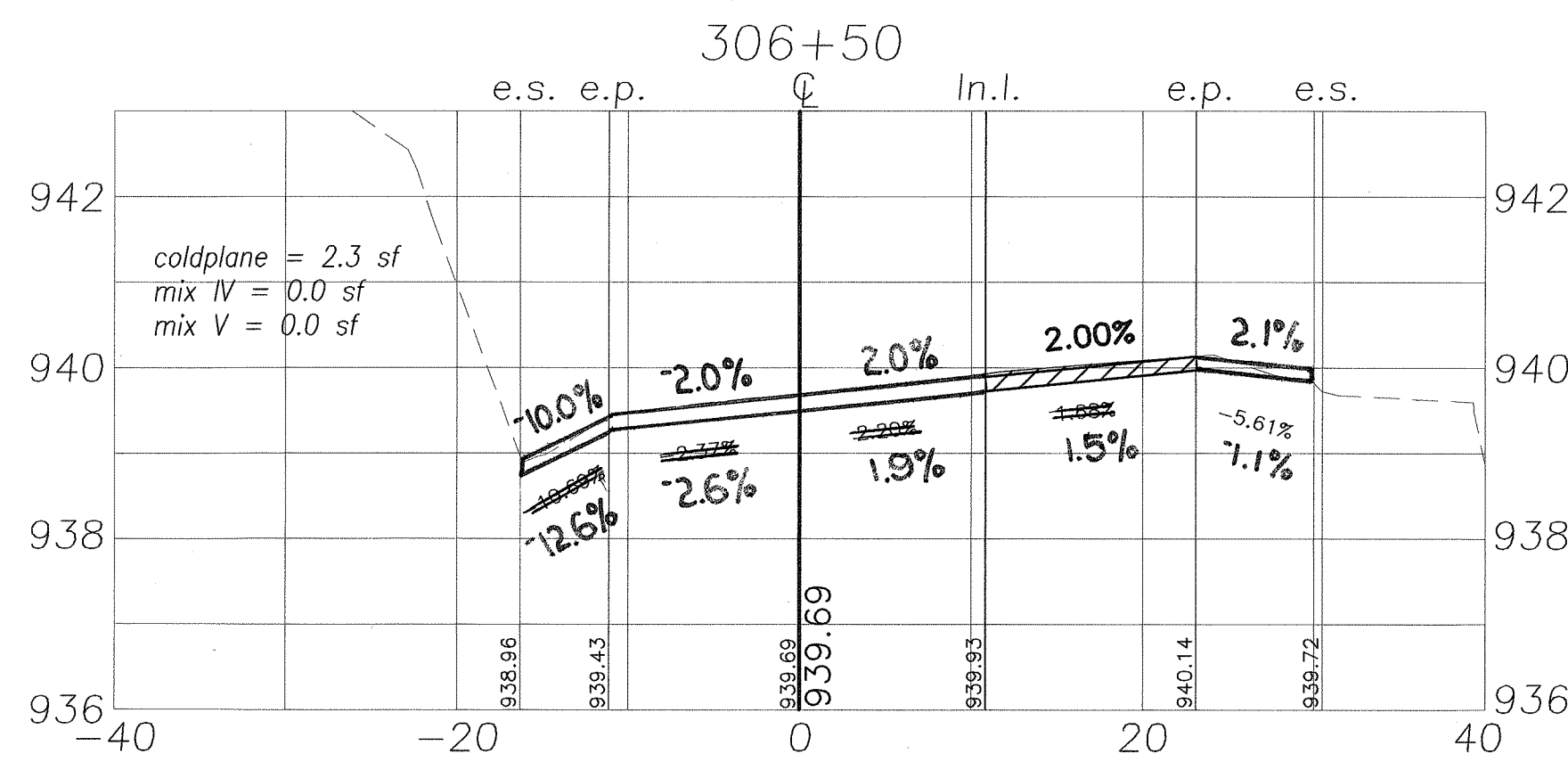
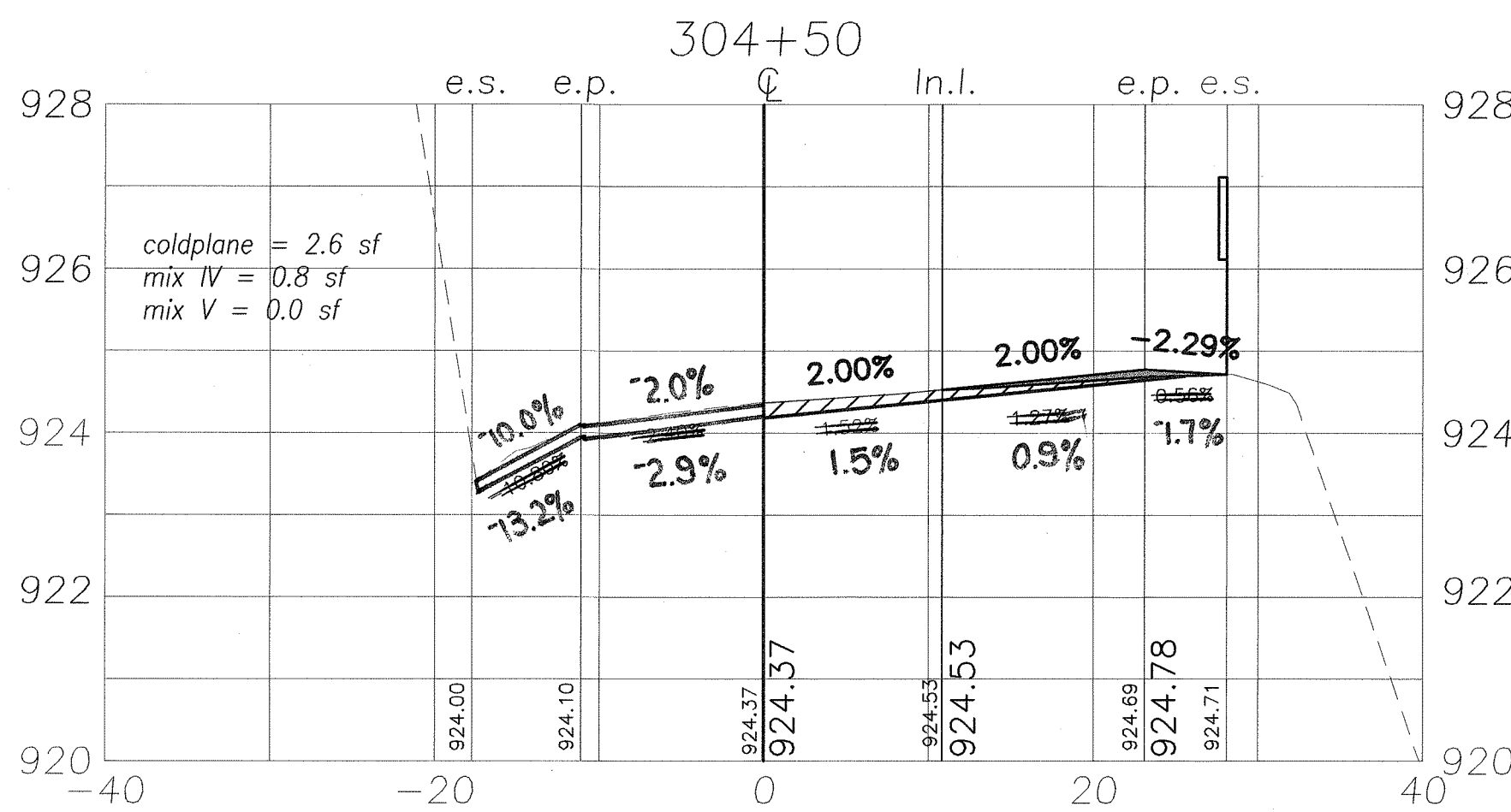
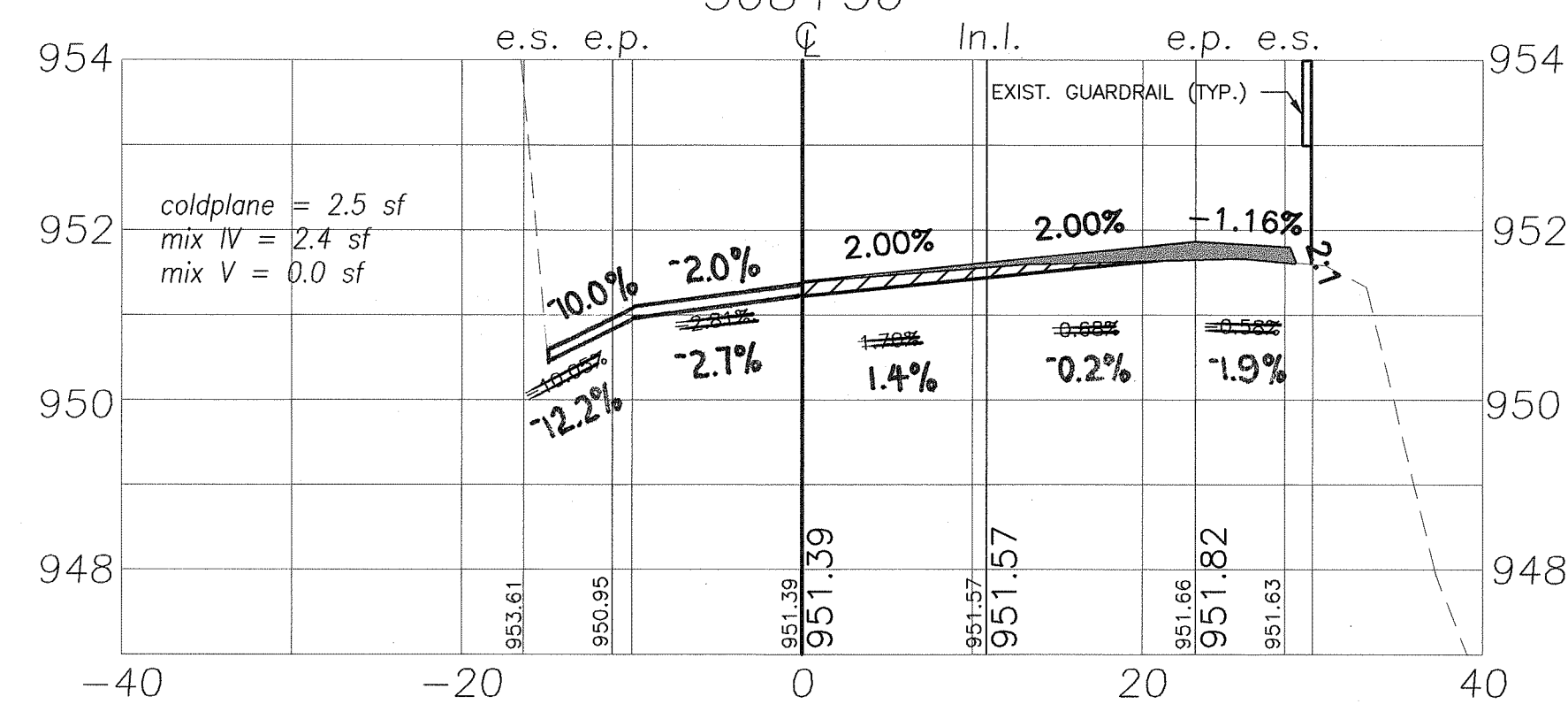
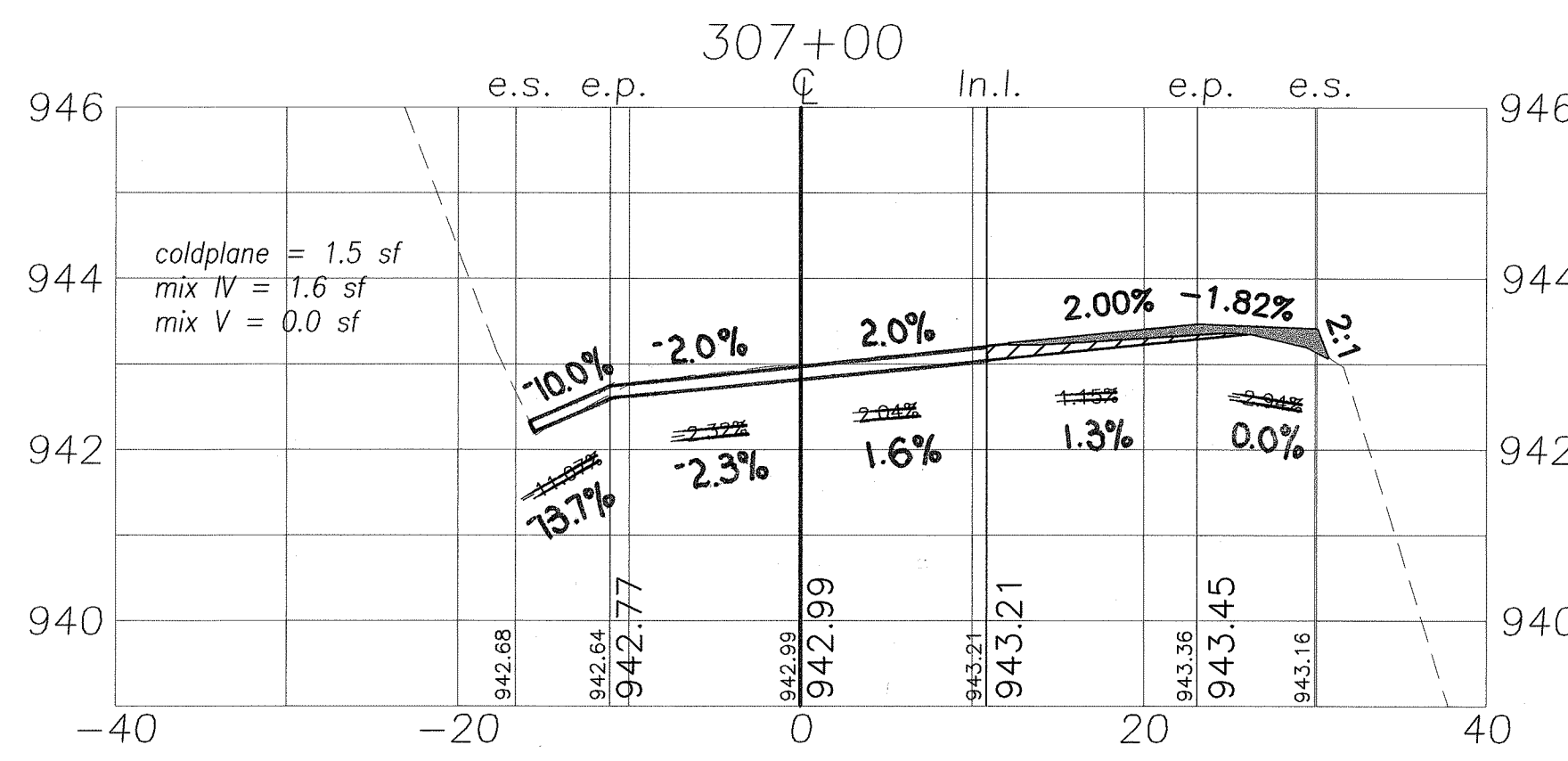
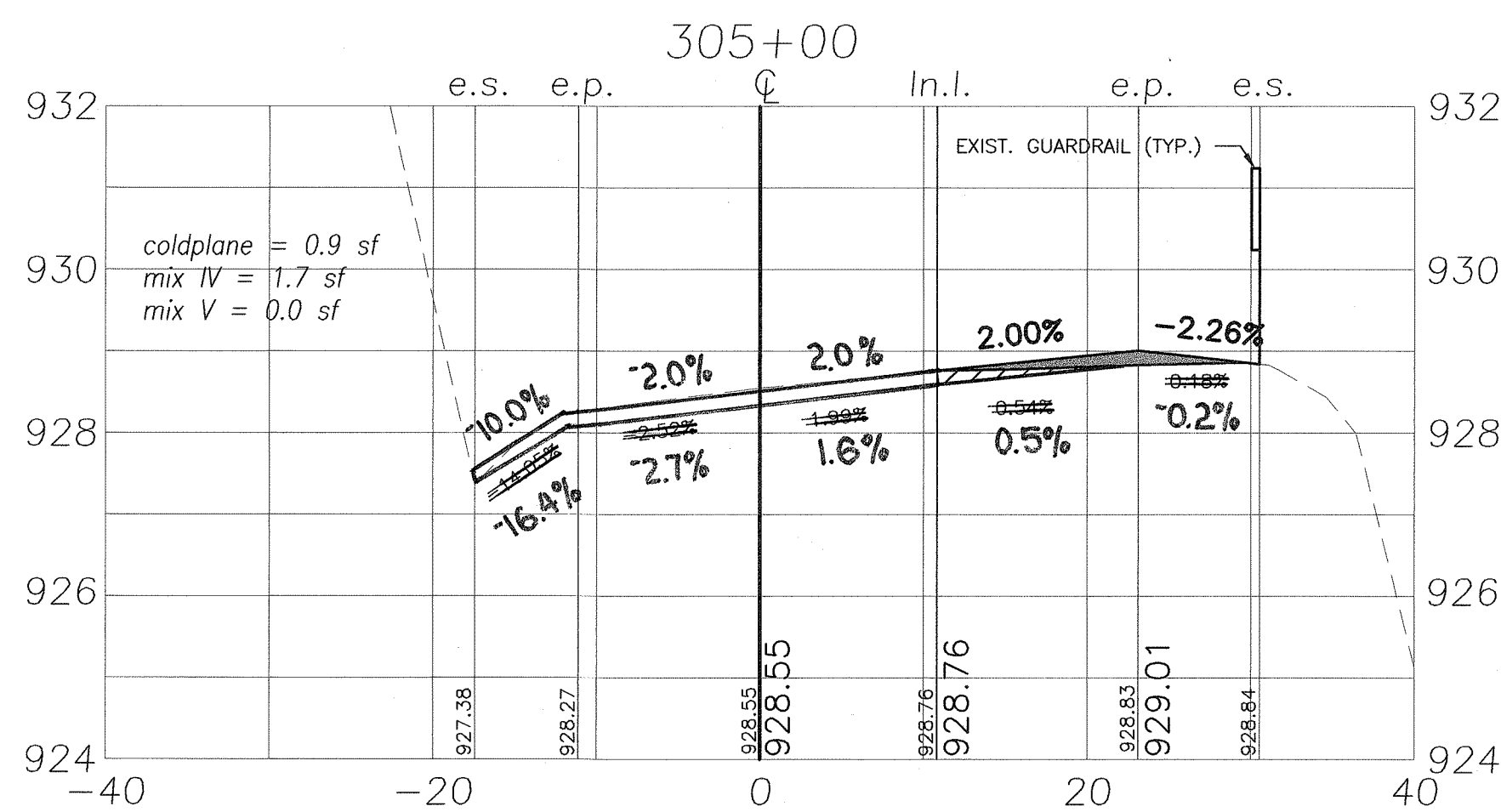
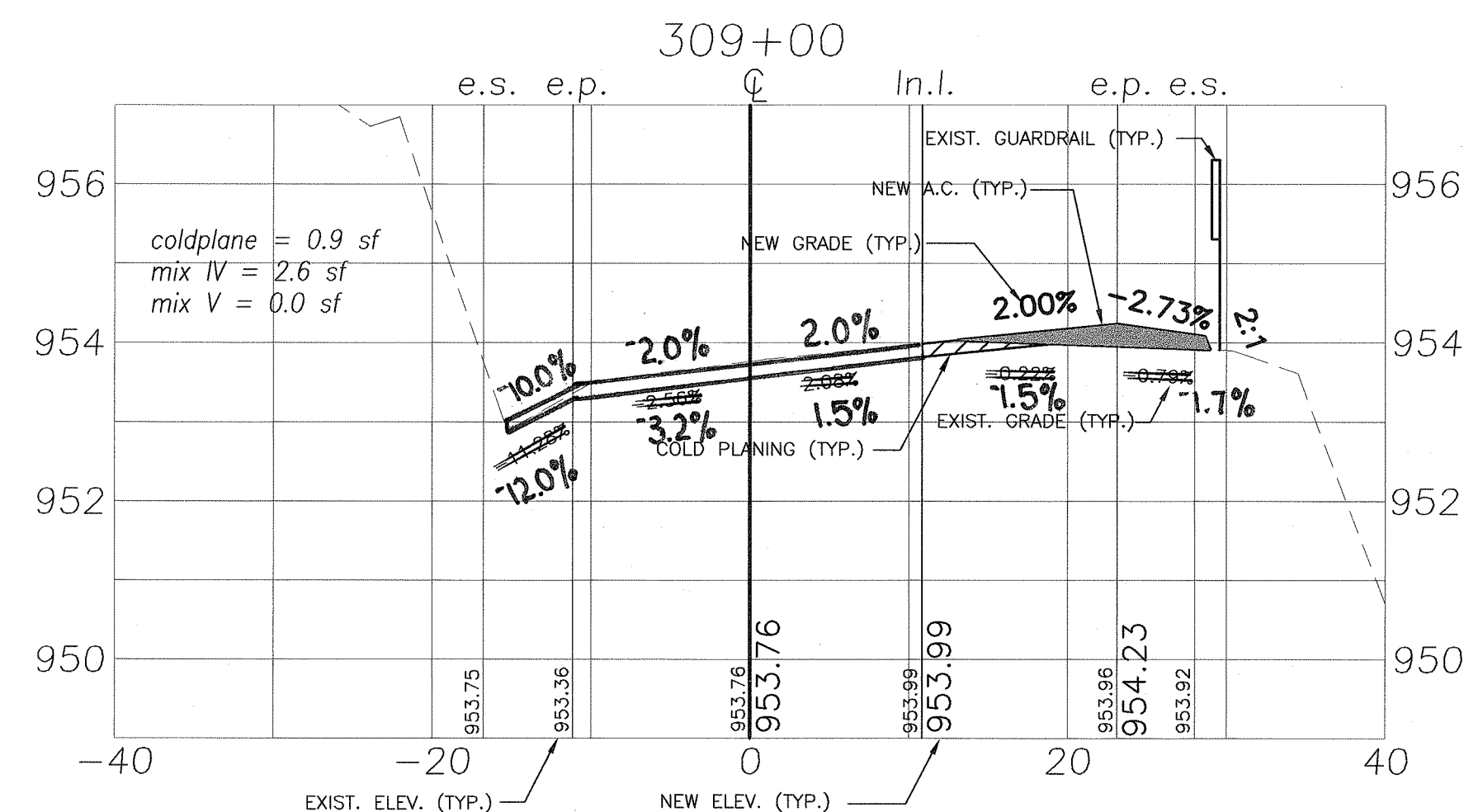
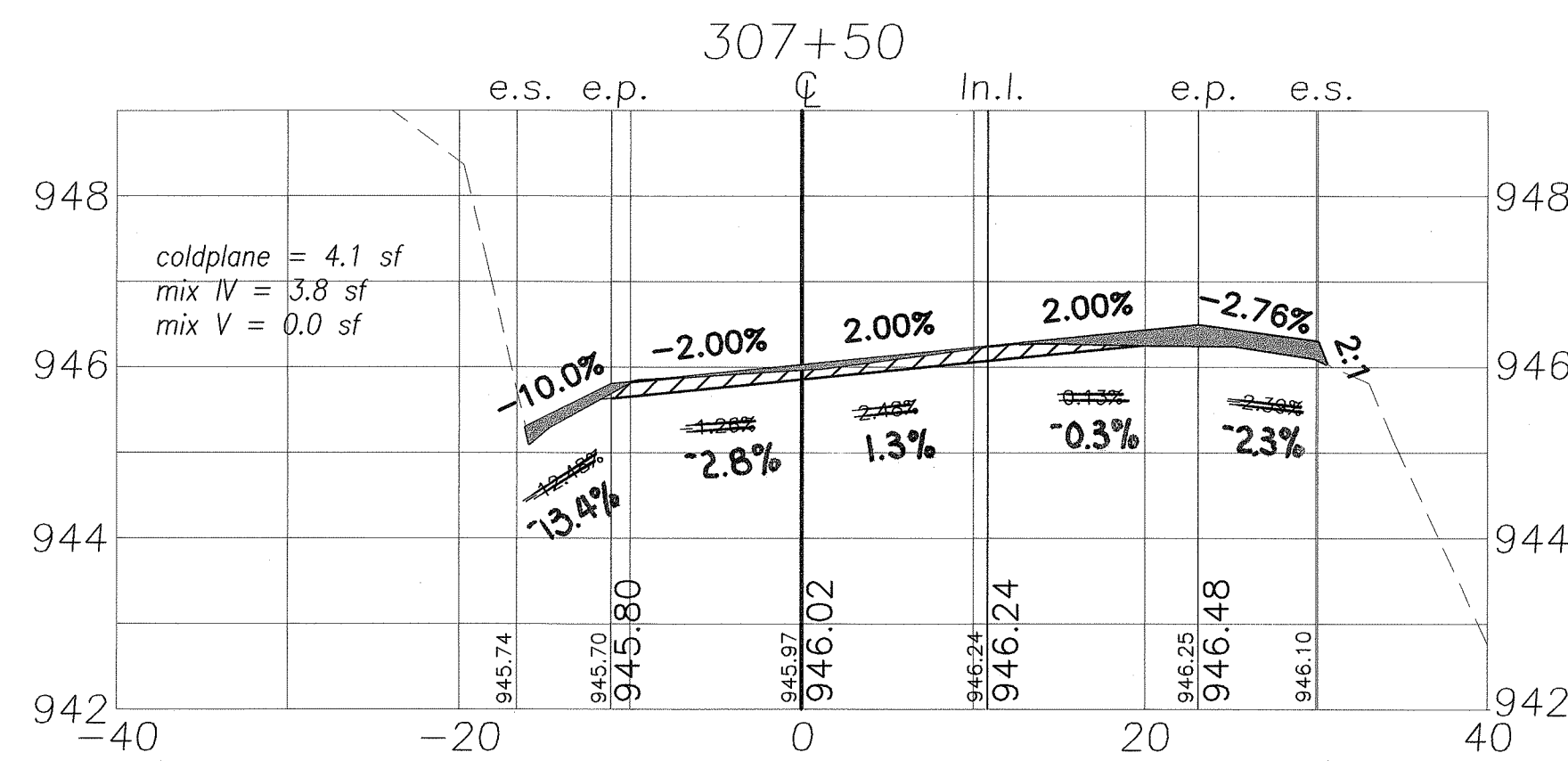
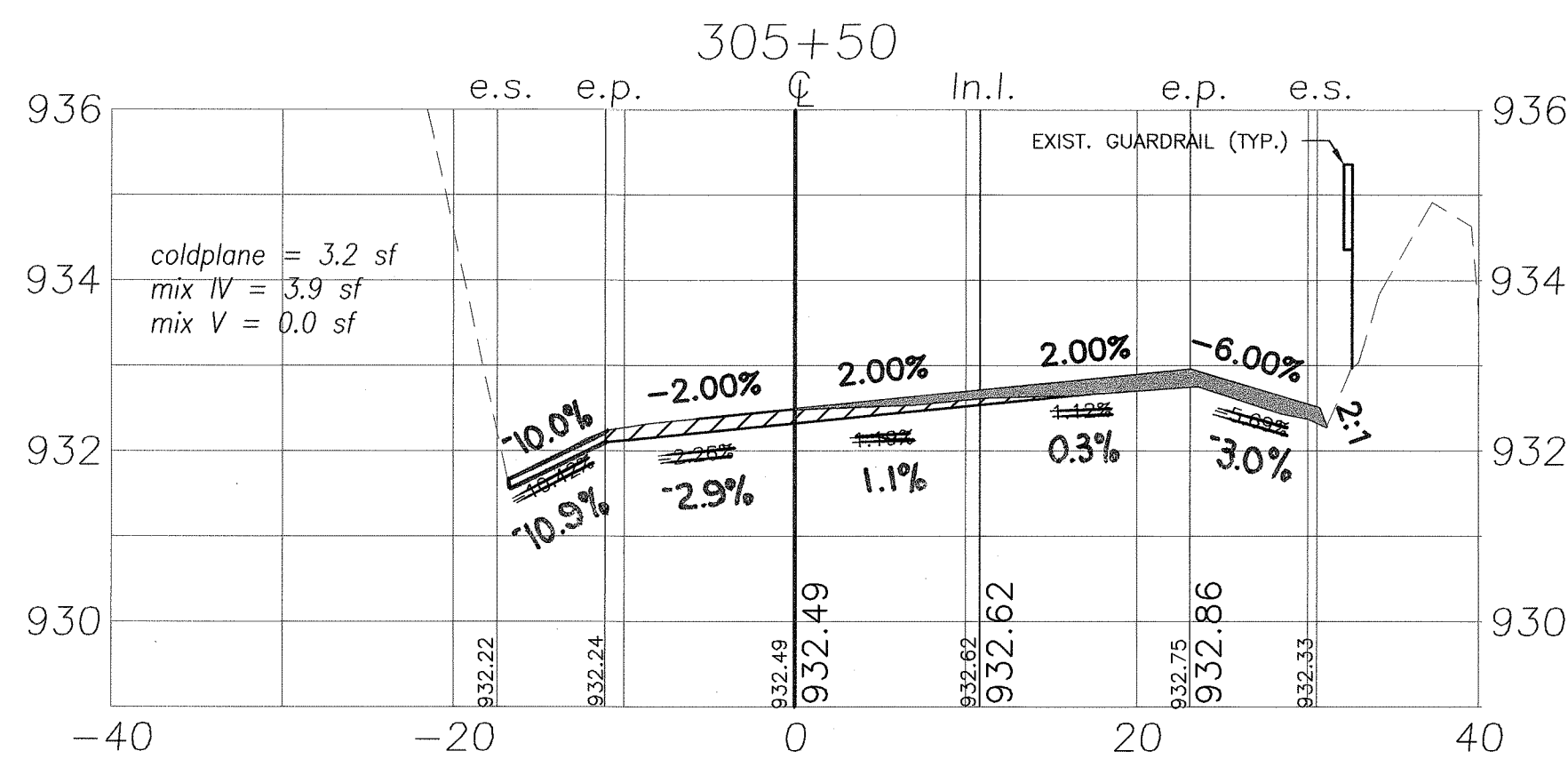
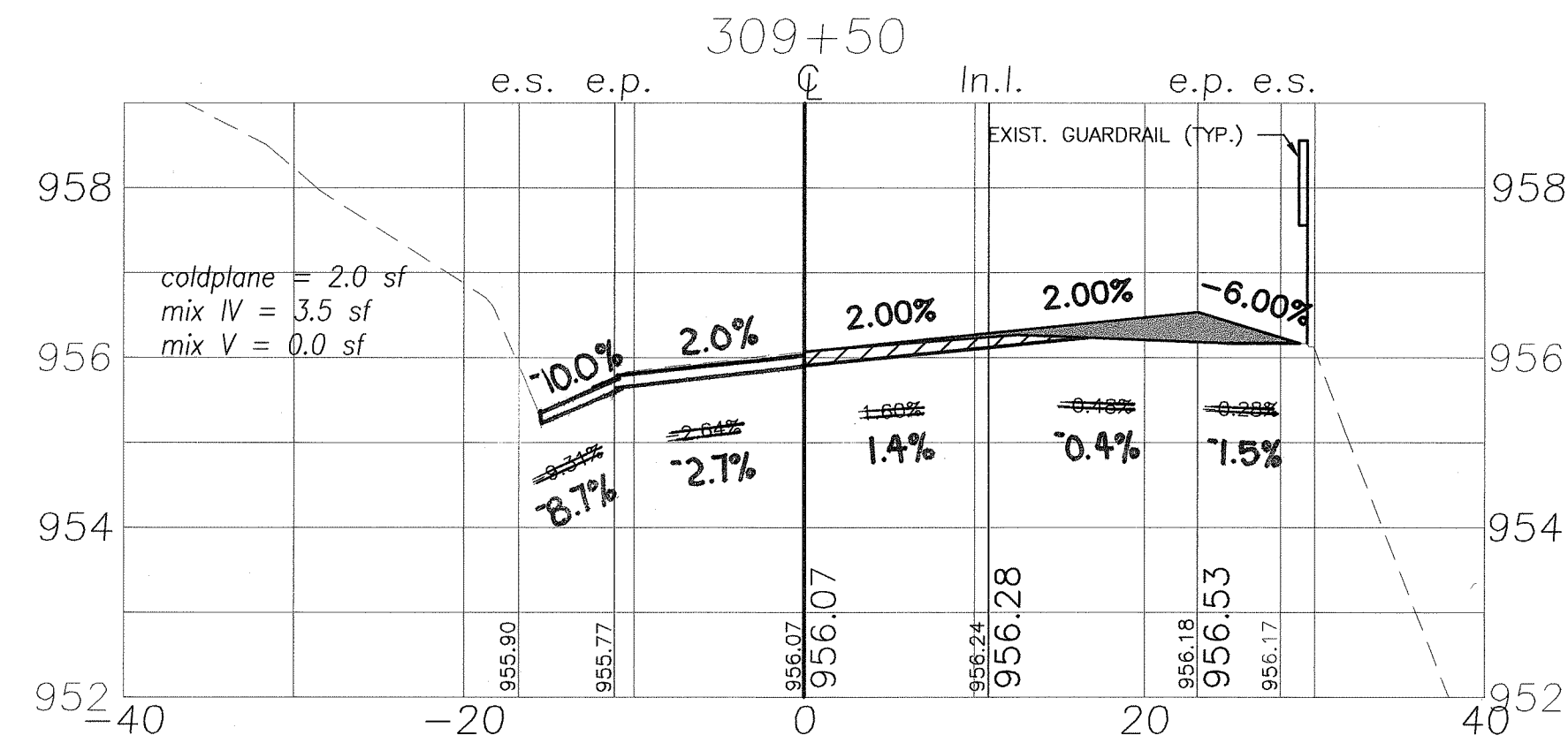
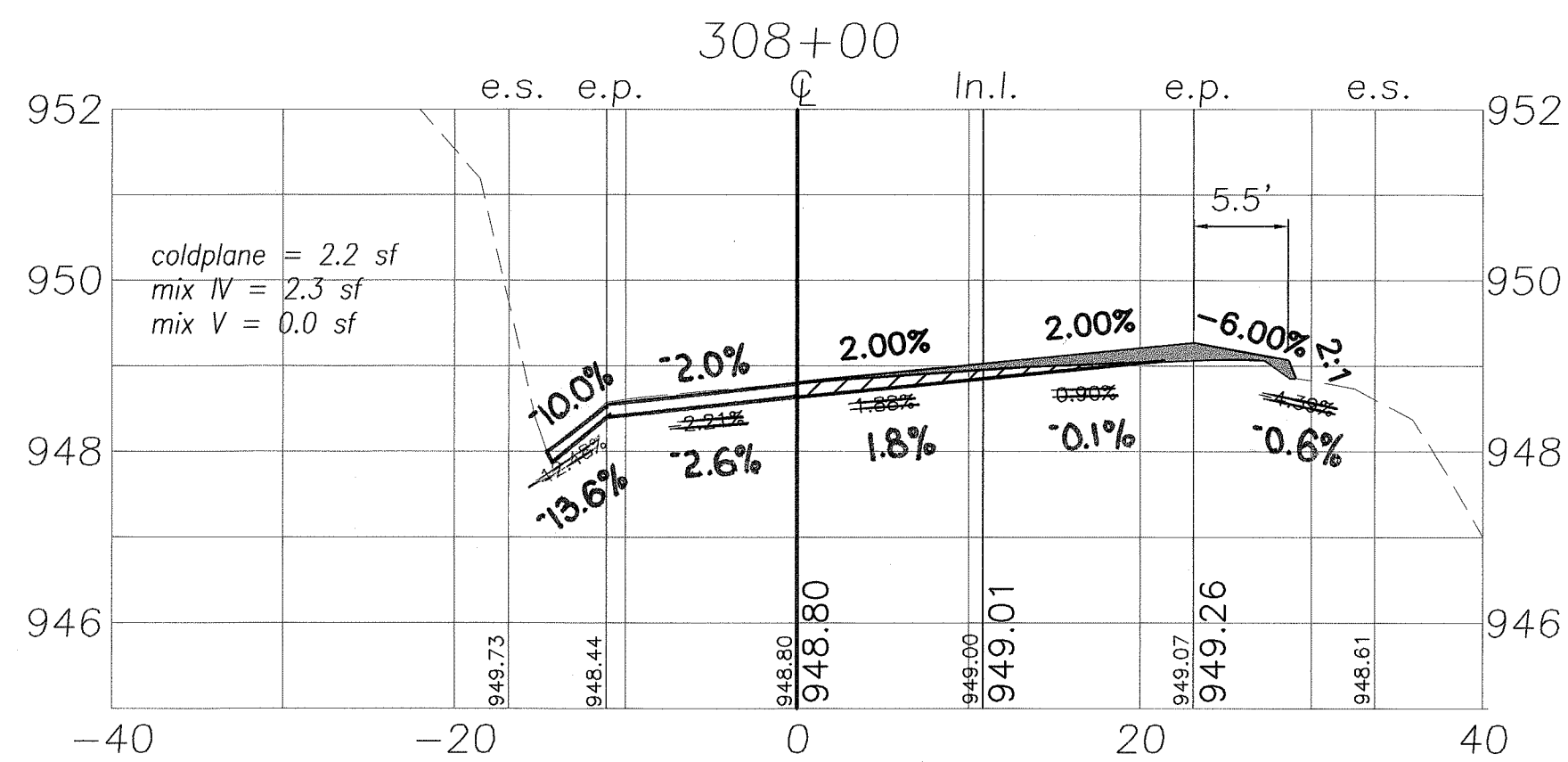
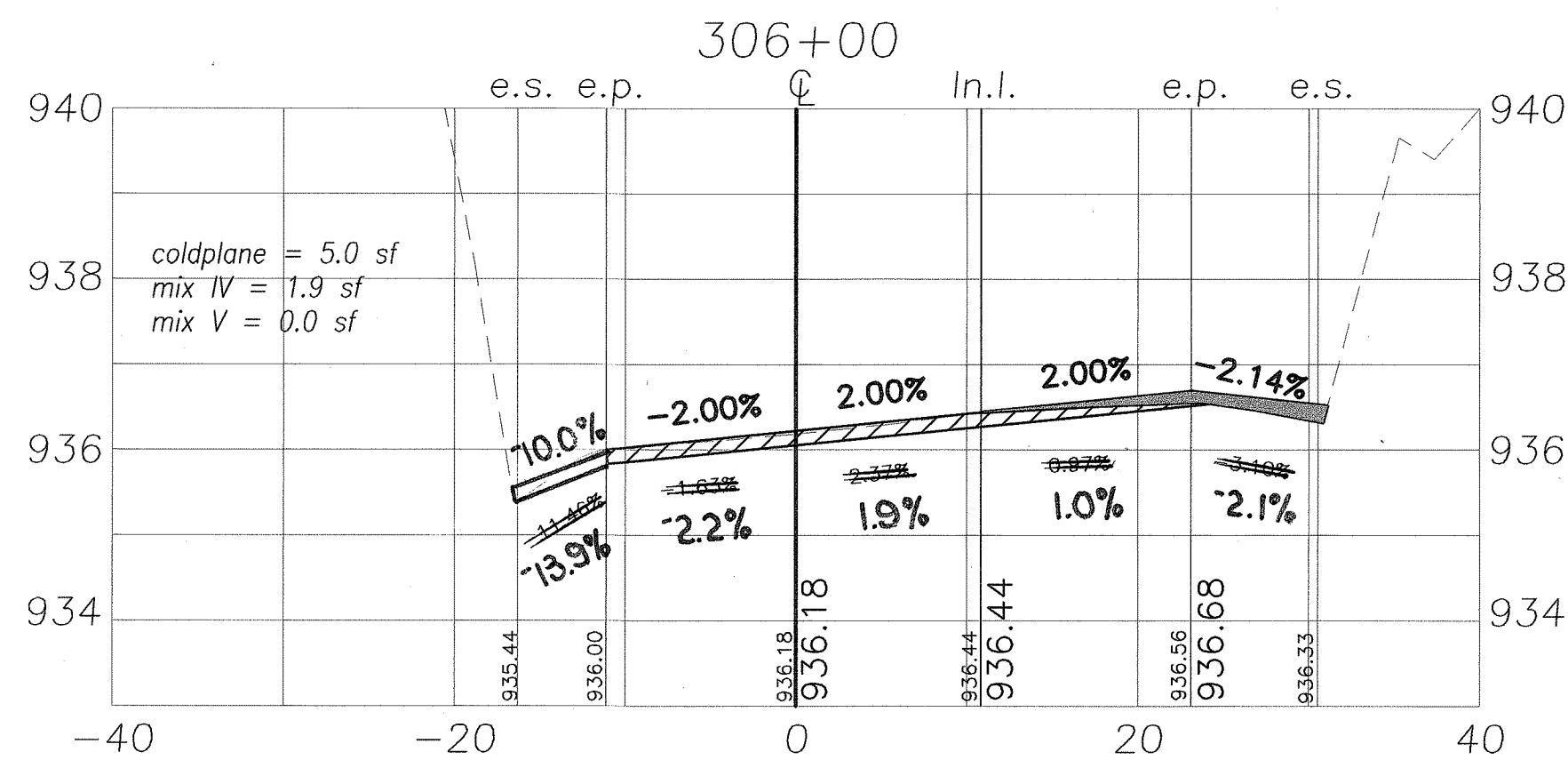
KUAKINI HIGHWAY, ROADWAY & DRAINAGE IMPROVEMENTS,
Vicinity of Waiua Road
Project No. 11A-03-01, Unit 1

Date: April 2008

SHEET No. OF SHEETS

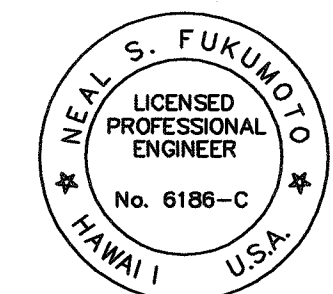
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-03-01, UNIT 1	2008	27	29



HORIZONTAL SCALE: 1"=10'

VERTICAL SCALE: 1"=2'



This work was prepared by me or under my supervision.
Exp. 04-30-10
Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

KUAKINI HIGHWAY, ROADWAY &
DRAINAGE IMPROVEMENTS,
Vicinity of Waiua Road
Project No. 11A-03-01, Unit 1

Date: April 2008

SHEET No. OF SHEETS

"AS-BUILT"

A:\Sewer\A1011-Kukui Highway Drainage CADD\Civil\dwg-TYPICAL SECTIONS & DETAILS.dwg 07/11/2008 1:02:01 AM HST

Coldplane

STATION	AREAS Square Feet	VOLUMES Cubic Yards
283+00	2.315.9	11.20
283+50	0.2	8.15
284+00	2.6	4.07
284+50	1.8	3.61
285+00	2.1	3.98
285+50	2.2	3.52
286+00	1.6	2.69
286+50	1.3	2.31
287+00	1.2	3.61
287+50	2.7	7.96
288+00	5.9	7.87
288+50	2.6	3.98
289+00	1.7	2.41
289+50	0.9	1.67
290+00	0.9	1.94
290+50	1.2	1.11
291+00	0.0	0.00
291+50	0.0	1.20
292+00	1.3	2.69
292+50	1.6	3.80
293+00	2.5	6.02
293+50	4.0	5.28
294+00	1.7	4.17
294+50	2.8	8.33
295+00	6.2	10.09
295+50	4.7	6.11
296+00	1.9	2.69
296+50	1.0	3.98
297+00	3.3	7.87
297+50	5.2	7.96
298+00	3.4	6.30
298+50	3.4	7.22
299+00	4.4	4.72
299+50	0.7	1.20
300+00	0.6	1.02
300+50	0.5	2.69
301+00	2.4	4.26
301+50	2.2	4.91
302+00	3.1	3.80
302+50	1.0	0.93
303+00	0.0	0.65
303+50	0.7	1.39
304+00	0.8	3.15
304+50	2.6	3.24
305+00	0.9	3.80
305+50	3.2	7.59
306+00	5.0	6.76
306+50	2.3	3.52
307+00	1.5	5.19
307+50	4.1	5.33
308+00	2.2	4.35
308+50	2.5	3.15
309+00	0.9	2.69
309+50	2.0	3.89
310+00	2.2	4.44
310+50	2.6	5.00
311+00	2.8	6.20
311+50	3.9	3.61
312+00	2.370.0	254.62
VOLUME =		254.62

HMA Mix IV

STATION	AREAS Square Feet	VOLUMES Cubic Yards
283+00	8.250.0	0.00
283+50	0.0	5.23
284+00	5.7	12.78
284+50	8.1	15.28
285+00	8.4	15.56
285+50	8.4	15.56
286+00	8.4	16.39
286+50	9.3	13.61
287+00	5.4	7.04
287+50	2.2	2.04
288+00	0.0	3.43
288+50	3.7	8.43
289+00	5.4	12.41
289+50	8.0	13.98
290+00	7.1	13.61
290+50	7.6	19.81
291+00	13.8	22.59
291+50	10.6	16.94
292+00	7.7	15.28
292+50	8.8	12.22
293+00	4.4	5.65
293+50	1.7	8.43
294+00	7.4	11.67
294+50	5.2	7.04
295+00	2.4	3.52
295+50	1.4	5.56
296+00	4.6	7.69
296+50	3.7	7.31
297+00	4.2	5.83
297+50	2.1	3.43
298+00	1.6	5.09
298+50	3.9	6.48
299+00	3.1	5.37
299+50	2.7	5.28
300+00	3.0	5.83
300+50	3.3	8.52
301+00	5.9	11.85
301+50	6.9	10.46
302+00	4.4	5.93
302+50	2.0	10.37
303+00	9.2	10.65
303+50	2.3	3.80
304+00	1.8	2.41
304+50	0.8	2.31
305+00	1.7	5.19
305+50	3.9	5.37
306+00	1.9	1.76
306+50	0.0	1.48
307+00	1.6	5.00
307+50	3.8	5.65
308+00	2.3	4.35
308+50	2.4	4.63
309+00	2.6	5.65
309+50	3.5	5.74
310+00	2.7	6.57
310+50	4.4	7.96
311+00	4.2	7.13
311+50	3.5	3.24
312+00	8.250.0	885.66
VOLUME =		885.66

HMA Mix V

STATION	AREAS Square Feet	VOLUMES Cubic Yards
283+00	0.0	0.00
283+50	0.0	0.00
284+00	0.0	1.30
284+50	1.4	4.44
285+00	3.4	6.76
285+50	3.9	6.48
286+00	3.1	4.35
286+50	1.6	1.67
287+00	0.2	0.19
287+50	0.0	0.00
288+00	0.0	0.00
288+50	0.0	0.00
289+00	0.0	0.00
289+50	0.0	0.00
290+00	0.0	0.00
290+50	0.0	0.00
291+00	0.0	0.00
291+50	0.0	0.00
292+00	0.0	0.00
292+50	0.0	0.00
293+00	0.0	0.00
293+50	0.0	0.00
294+00	0.0	0.00
294+50	0.0	0.00
295+00	0.0	0.00
295+50	0.0	0.00
296+00	0.0	0.00
296+50	0.0	0.00
297+00	0.0	0.00
297+50	0.0	0.00
298+00	0.0	0.00
298+50	0.0	0.00
299+00	0.0	0.00
299+50	0.0	0.00
300+00	0.0	0.00
300+50	0.0	0.00
301+00	0.0	0.00
301+50	0.0	0.00
302+00	0.0	0.00
302+50	0.0	0.00
303+00	0.0	0.00
303+50	0.0	0.00
304+00	0.0	0.00
304+50	0.0	0.00
305+00	0.0	0.00
305+50	0.0	0.00
306+00	0.0	0.00
306+50	0.0	0.00
307+00	0.0	0.00
307+50	0.0	0.00
308+00	0.0	0.00
308+50	0.0	0.00
309+00	0.0	0.00
309+50	0.0	0.00
310+00	0.0	0.00
310+50	0.0	0.00
311+00	0.0	0.00
311+50	0.0	0.00
312+00	0.0	25.19
VOLUME =		25.19

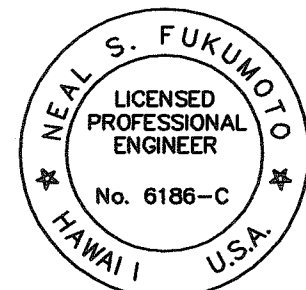
Embankment

STATION	AREAS Square Feet	VOLUMES Cubic Yards
283+00	0.0	0.00
283+50	0.0	0.00
284+00	0.0	0.00
284+50	0.0	0.00
285+00	0.0	0.00
285+50	0.0	0.00
286+00	0.0	0.00
286+50	0.0	0.00
287+00	0.0	0.00
287+50	0.0	0.00
288+00	0.0	0.00
288+50	0.0	0.00
289+00	0.0	0.00
289+50	0.0	0.00
290+00	0.0	0.00
290+50	0.0	0.00
291+00	0.0	7.13
291+50	7.7	7.13
292+00	0.0	0.00
292+50	0.0	0.00
293+00	0.0	0.00
293+50	0.0	0.00
294+00	0.0	0.00
294+50	0.0	0.00
295+00	0.0	0.00
295+50	0.0	0.00
296+00	0.0	0.00
296+50	0.0	0.00
297+00	0.0	0.00
297+50	0.0	0.00
298+00	0.0	0.00
298+50	0.0	0.00
299+00	0.0	0.00
299+50	0.0	0.00
300+00	0.0	0.00
300+50	0.0	0.00
301+00	0.0	0.00
301+50	0.0	0.00
302+00	0.0	0.00
302+50	0.0	0.00
303+00	0.0	0.00
303+50	0.0	0.00
304+00	0.0	0.00
304+50	0.0	0.00
305+00	0.0	0.00
305+50	0.0	0.00
306+00	0.0	0.00
306+50	0.0	0.00
307+00	0.0	0.00
307+50	0.0	0.00
308+00	0.0	0.00
308+50	0.0	0.00
309+00	0.0	0.00
309+50	0.0	0.00
310+00	0.0	0.00
310+50	0.0	0.00
311+00	0.0	0.00
311+50	0.0	0.00
312+00	0.0	14.26
VOLUME =		14.26

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-03-01, UNIT 1	2008	29	29

QUANTITY NOTES:

- Not included on this sheet is the additional HMA Pavement, Mix No. IV to be used for temporary treatment of grade differences during non-working hours as shown on the detail on Sheet 9. That quantity is approximately 80 tons, which is reflected in the quantity shown in the Proposal Schedule.
- Total HMA Mix IV volume shall be the sum of the coldplane volume and HMA Mix IV volume as shown on this sheet plus the approximately 80 tons for the temporary treatment of grade differences during non-working hours as described above.



This work was prepared by me
or under my supervision.
Exp. 04-30-10

Wesley R. Sogawa & Associates, Inc.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CROSS SECTION QUANTITIES	
KUAKINI HIGHWAY, ROADWAY & DRAINAGE IMPROVEMENTS, Vicinity of Wai'aleale Road Project No. 11A-03-01, Unit 1	
Date: April 2008	
SHEET No.	OF SHEETS