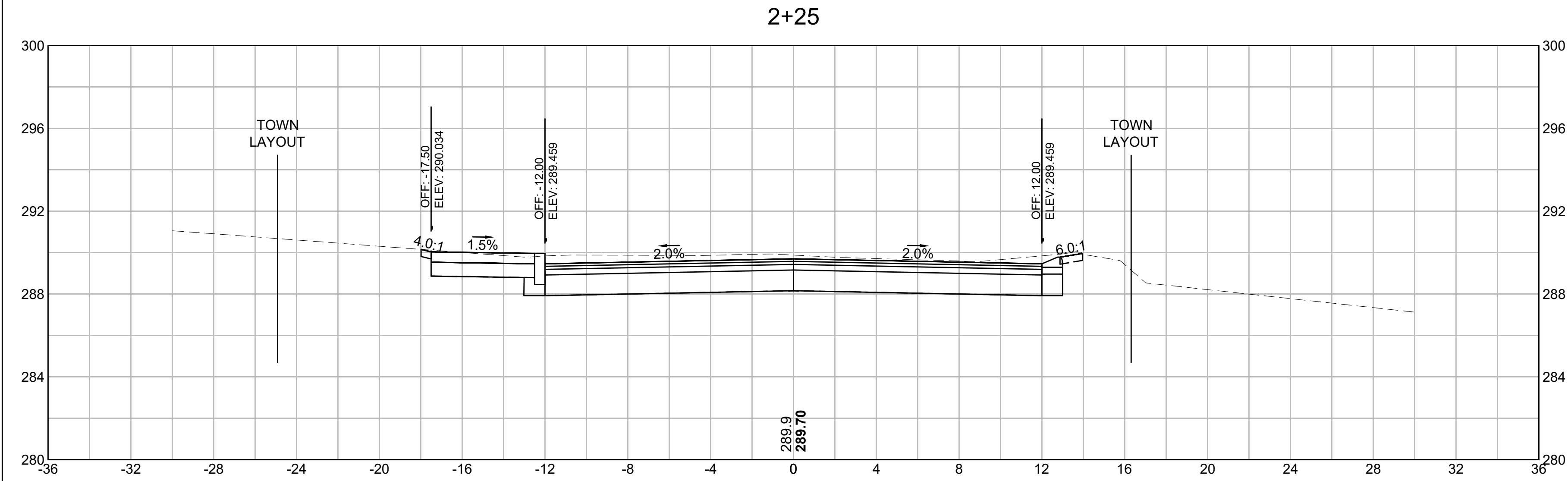
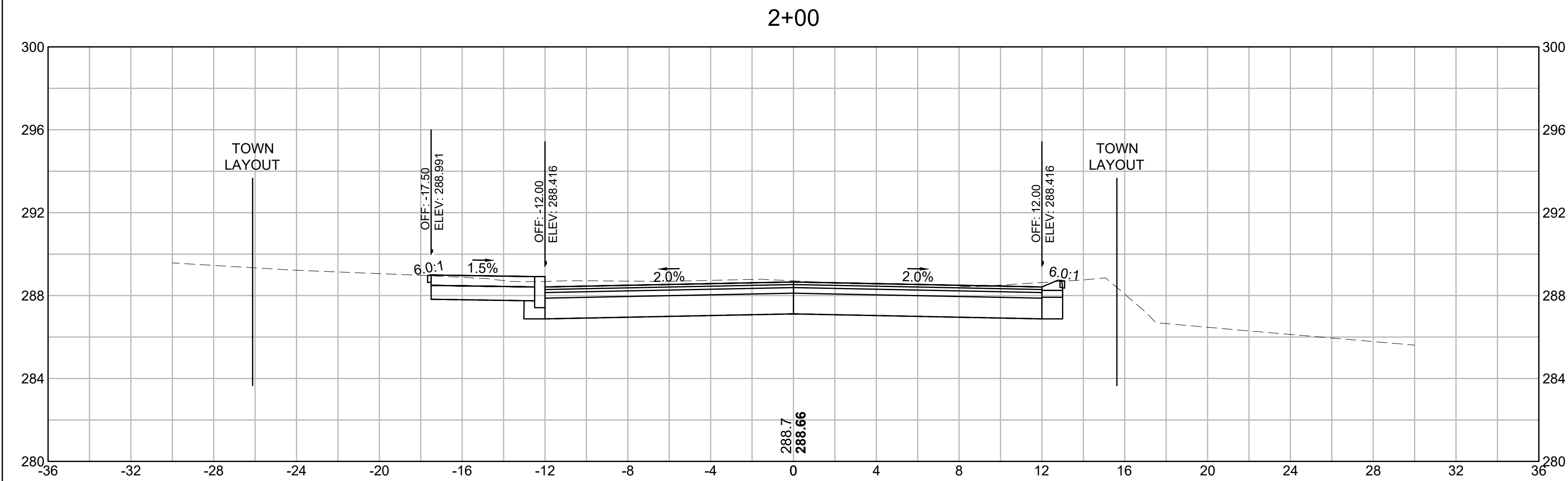
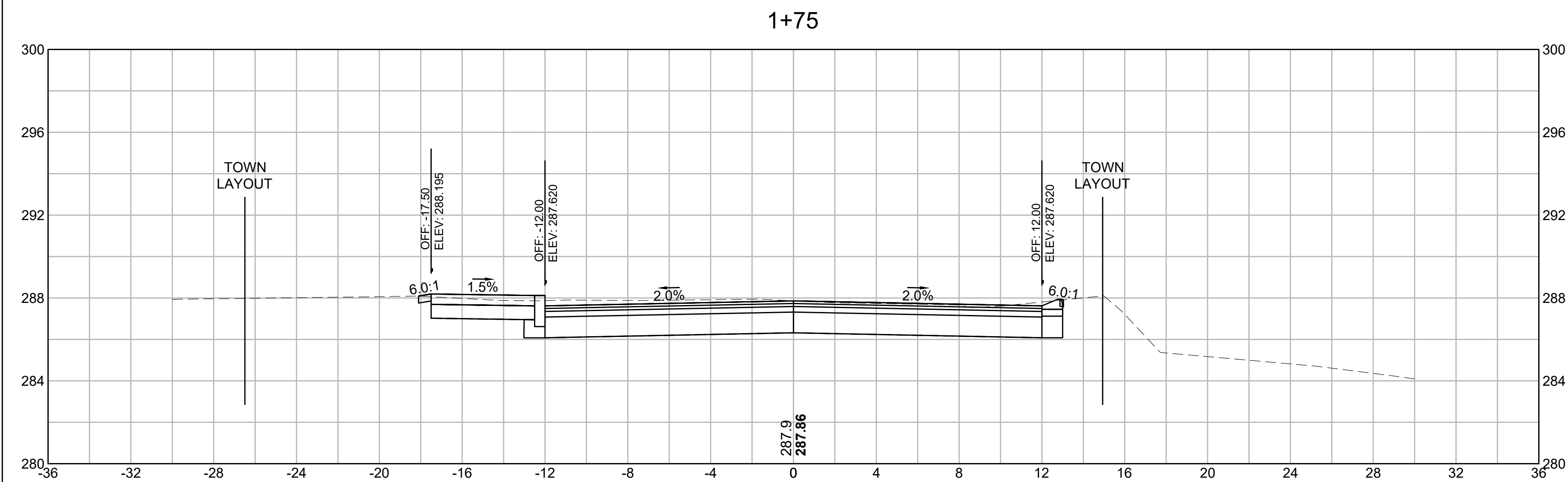




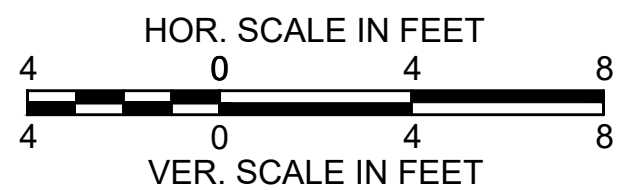
Total Volume at Station 2+25.00	
Cut Area (S.F.)	97.09
Fill Area (S.F.)	11.45
Cut Vol (CY)	48.5
Fill Vol (CY)	10.3
Gravel Cut Vol (CY)	239.2
Gravel Fill Vol (CY)	19.7
Net Vol (CY)	219.4



Total Volume at Station 2+00.00	
Cut Area (S.F.)	47.88
Fill Area (S.F.)	10.88
Cut Vol (CY)	43.9
Fill Vol (CY)	6.9
Gravel Cut Vol (CY)	186.2
Gravel Fill Vol (CY)	9.4
Net Vol (CY)	174.9



Total Volume at Station 1+75.00	
Cut Area (S.F.)	46.88
Fill Area (S.F.)	3.99
Cut Vol (CY)	41.7
Fill Vol (CY)	1.9
Gravel Cut Vol (CY)	146.4
Gravel Fill Vol (CY)	2.5
Net Vol (CY)	127.9



TOWN OF LITTLETON

CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET

PHASE II

LITTLETON

MASSACHUSETTS

PROJ. No.: 20170044 A30

DATE: MARCH 1, 2021

CX-102

SCALE: HORZ.: 1" = 20'

VERT.: 1" = 4'

DATUM: NAVD 83

HORZ.: 1" = 20'

VERT.: 1" = 4'

GRAPHIC SCALE

20

10

0

20

FUSS & O'NEILL

1550 MAIN STREET, SUITE 400

SPRINGFIELD, MA 01105

413.452.0445

www.fundo.com

DESIGNER

REVIEWER

No.

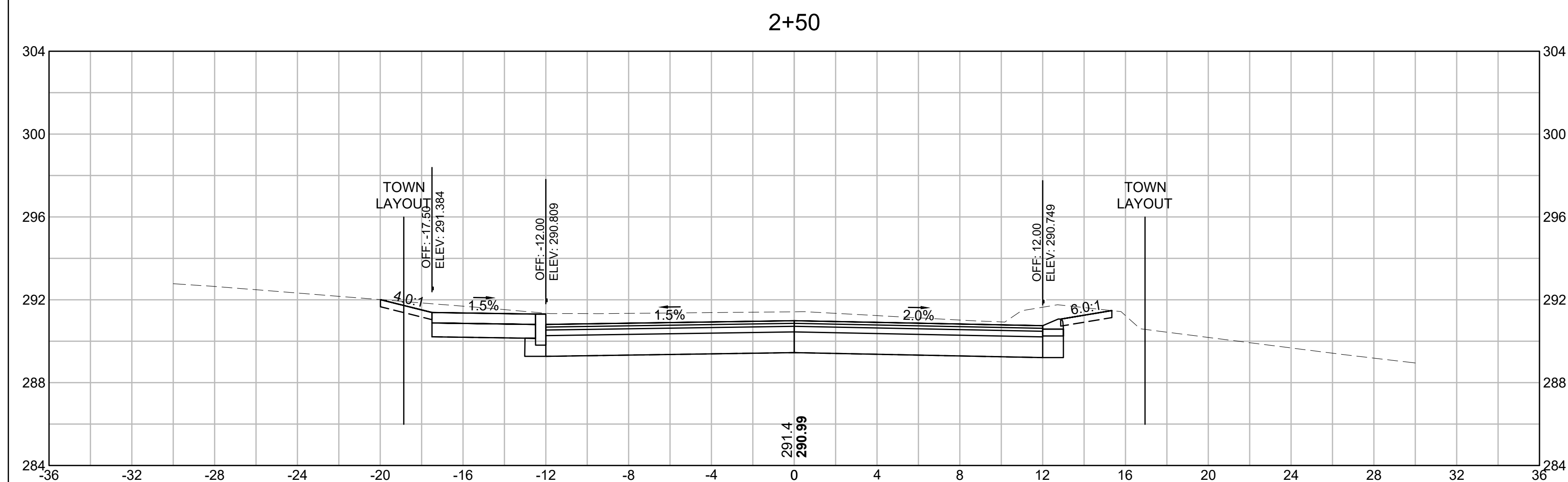
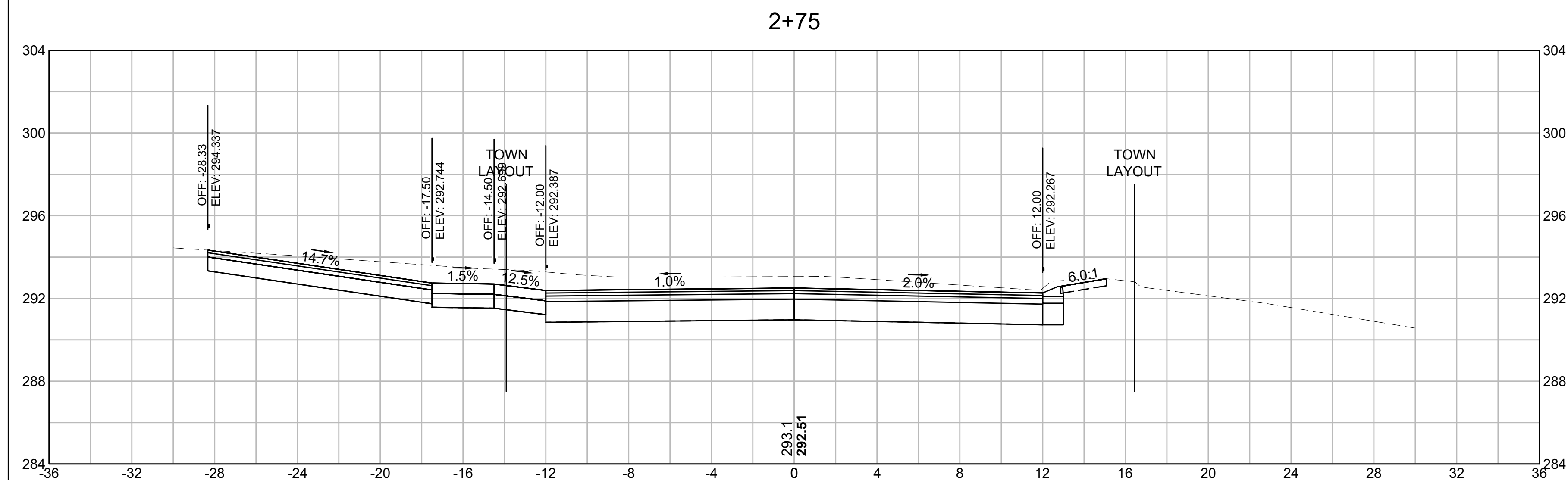
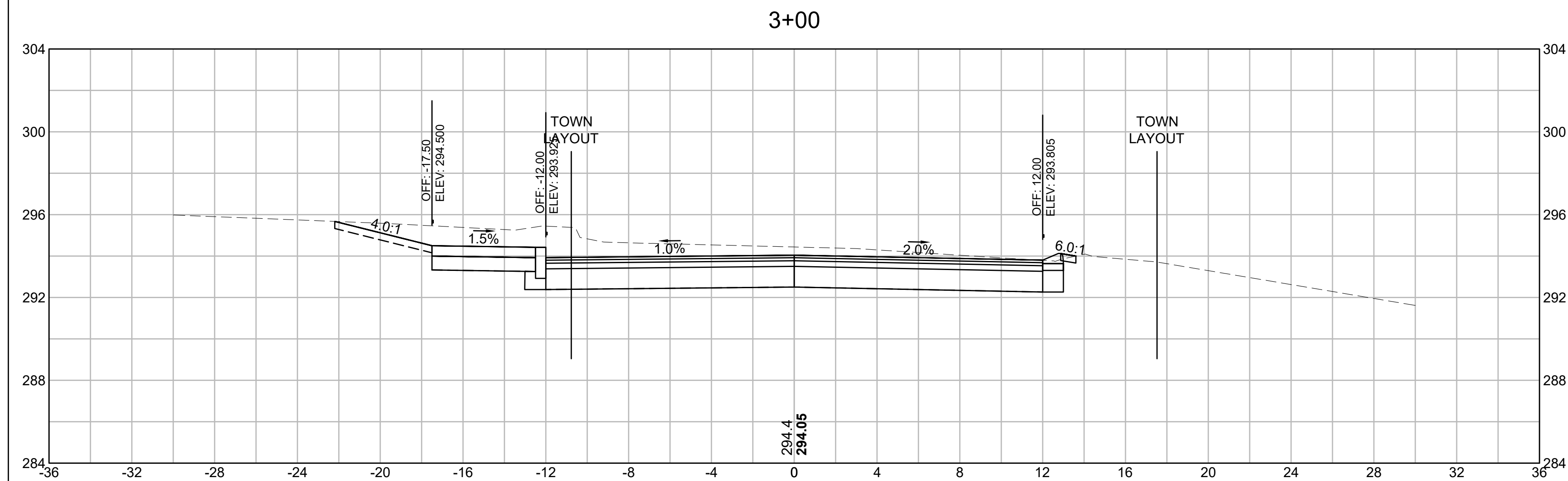
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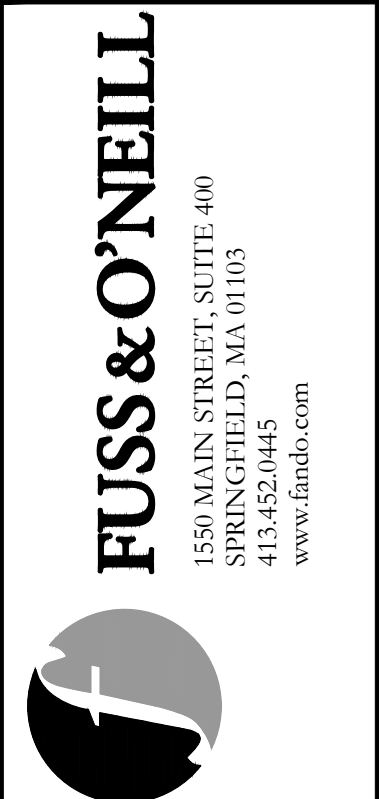
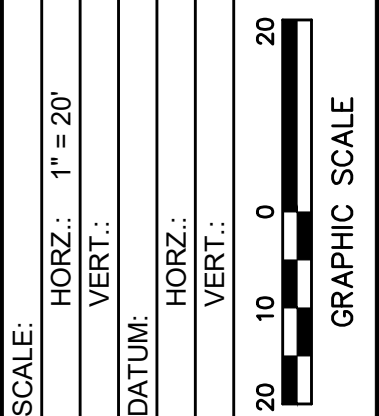
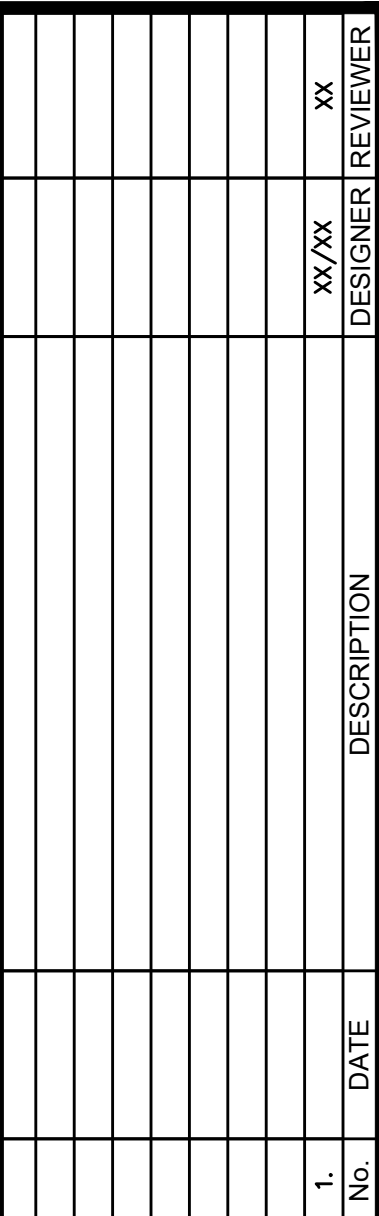
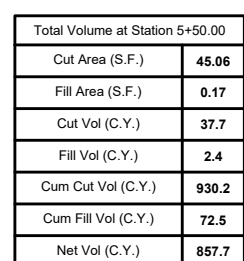
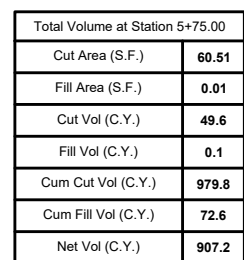
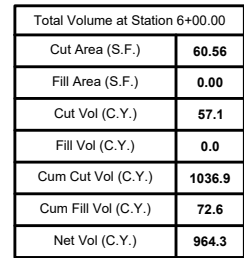
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DESCRIPTION

X/Y

XX



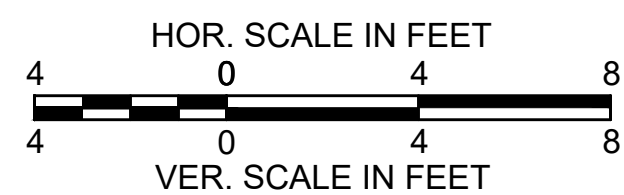
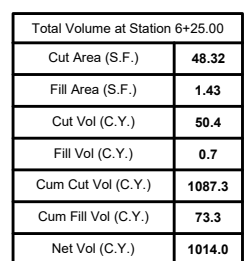
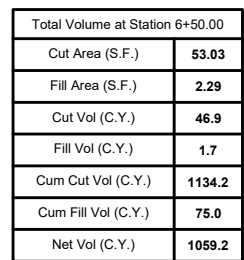
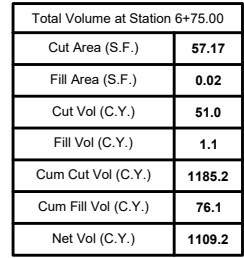


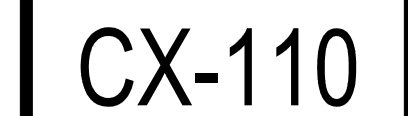
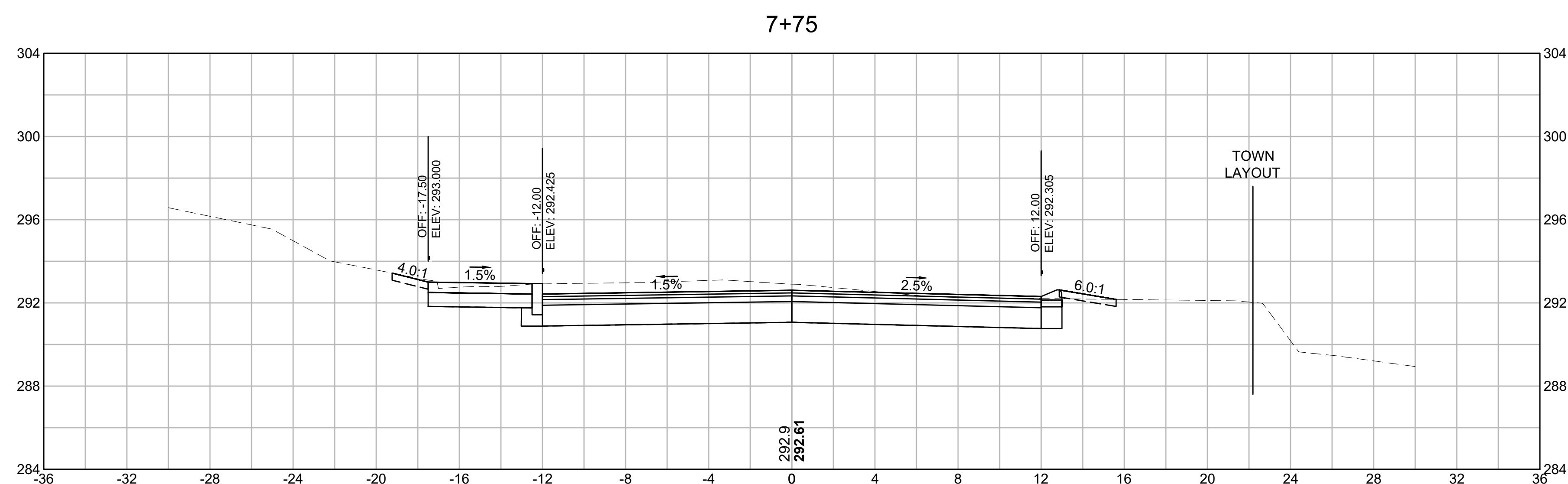
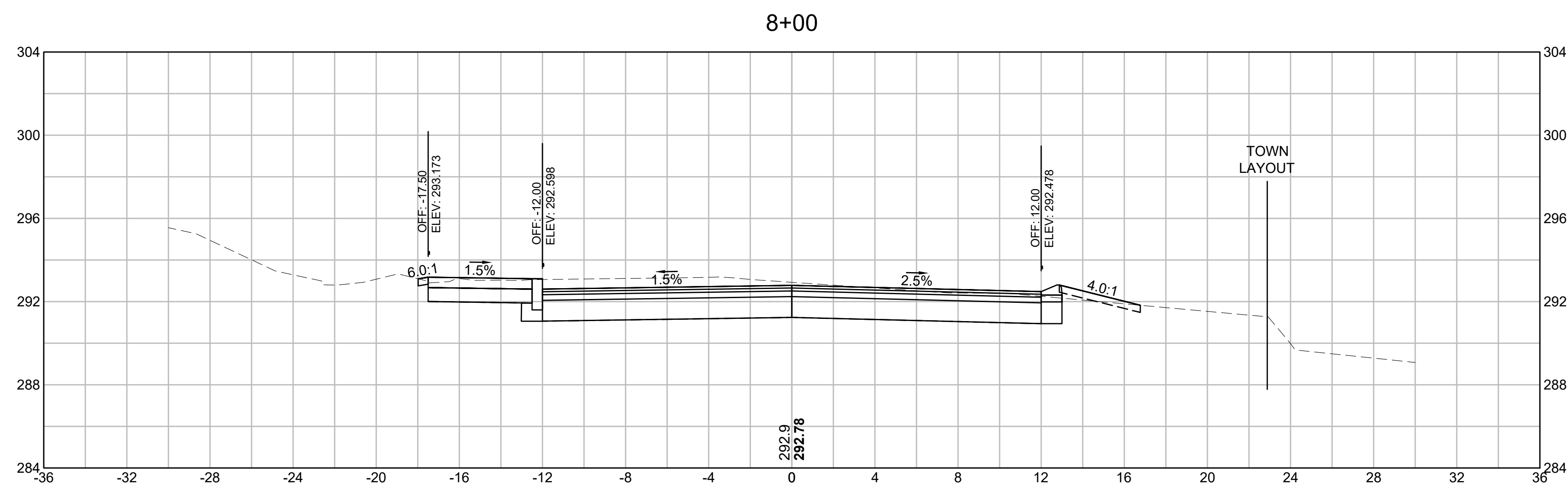
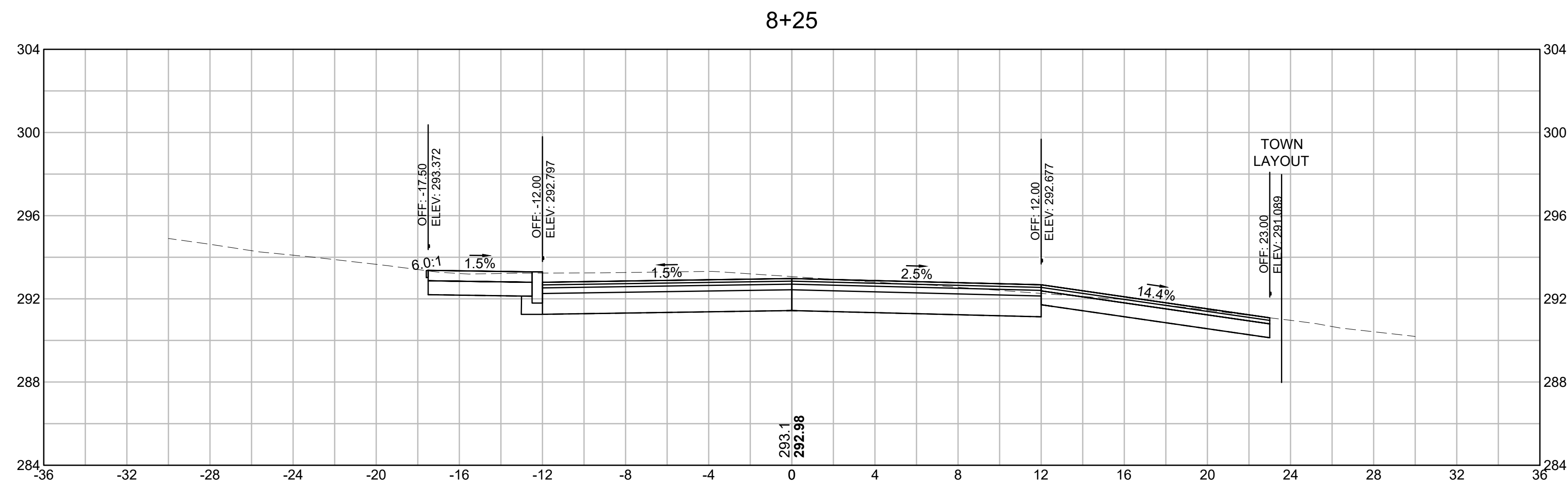
TOWN OF LITTLETON

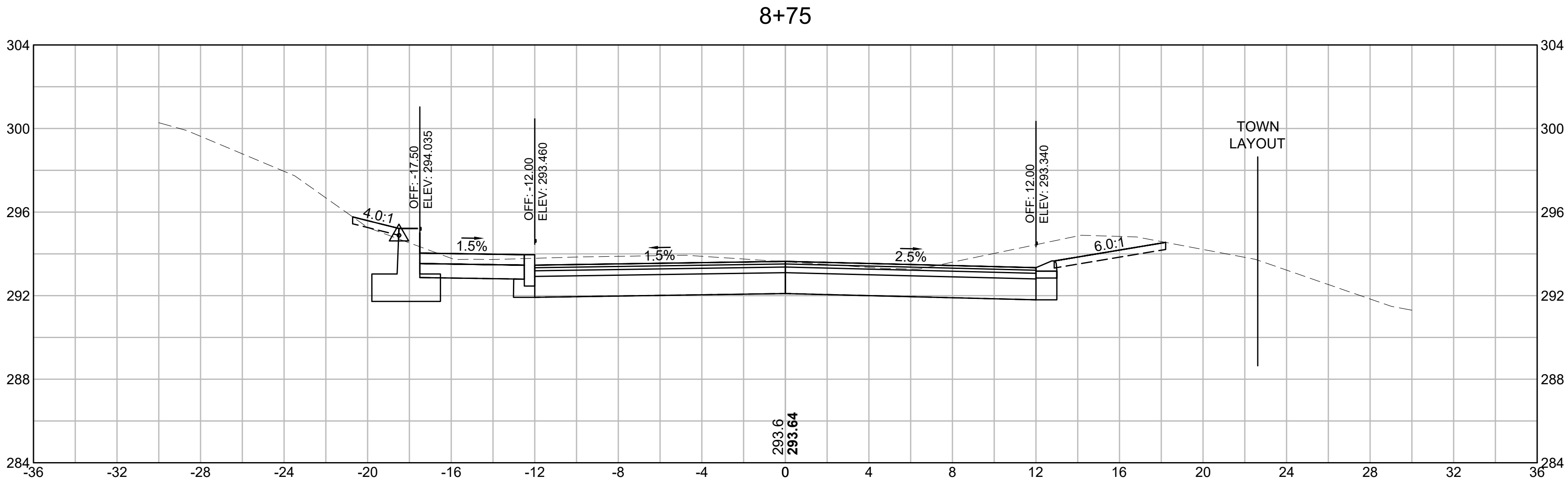
CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET
PHASE II

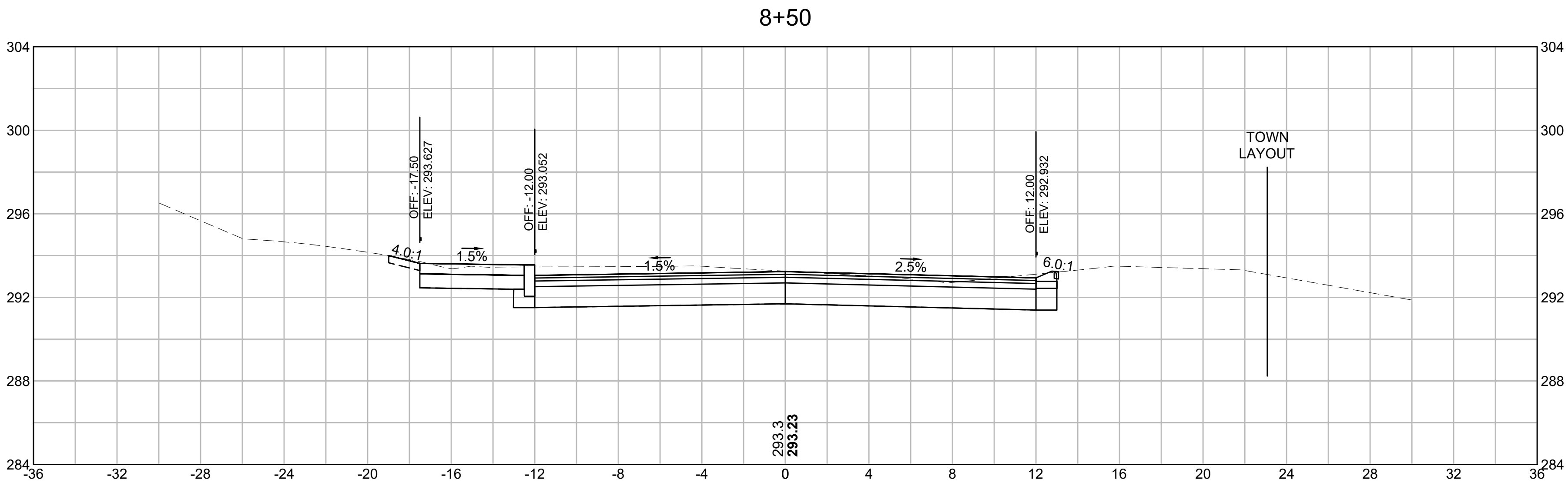
LITTLETONMASSACHUSETTS



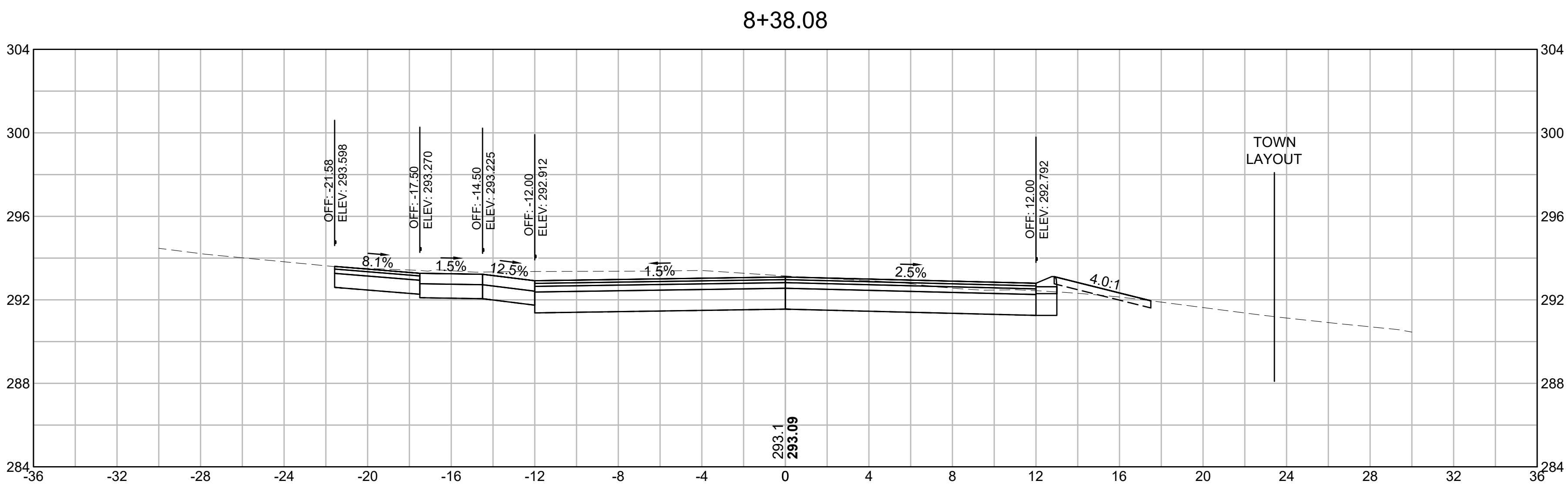




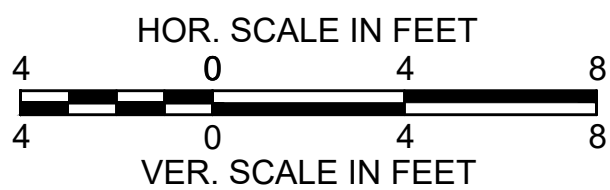
Total Volume at Station 8+75.00	
Cut Area (S.F.)	80.61
Fill Area (S.F.)	0.14
Cut Vol (C.Y.)	69.9
Fill Vol (C.Y.)	0.1
Open Cut Vol (C.Y.)	1629.4
Open Fill Vol (C.Y.)	76.5
Net Vol (C.Y.)	1602.9



Total Volume at Station 8+50.00	
Cut Area (S.F.)	71.65
Fill Area (S.F.)	0.00
Cut Vol (C.Y.)	28.6
Fill Vol (C.Y.)	0.1
Open Cut Vol (C.Y.)	1689.9
Open Fill Vol (C.Y.)	76.4
Net Vol (C.Y.)	1603.1



Total Volume at Station 8+38.08	
Cut Area (S.F.)	80.62
Fill Area (S.F.)	1.36
Cut Vol (C.Y.)	28.6
Fill Vol (C.Y.)	0.1
Open Cut Vol (C.Y.)	1540.9
Open Fill Vol (C.Y.)	76.4
Net Vol (C.Y.)	1664.9



SCALE: HORZ.: 1" = 20'

VERT.: 1" = 10'

DATUM: MGLD, NAD 83

HORZ.: 1" = 20'

VERT.: 1" = 10'

GRAPHIC SCALE

FUSS & O'NEILL

1550 MAIN STREET, SUITE 400
SPRINGFIELD, MA 01105
www.fuss-o-neill.com

TOWN OF LITTLETON

CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET

PHASE II

LITTLETON

MASSACHUSETTS

PROJ. No.: 20170044 A30

DATE: MARCH 1, 2021

CX-111

DESIGNER

REVIEWER

1.

No.

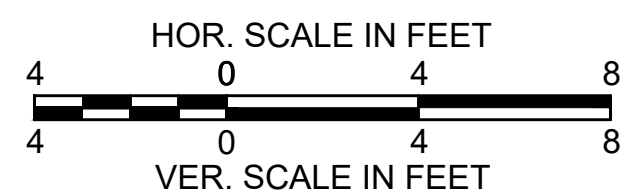
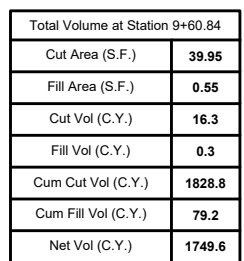
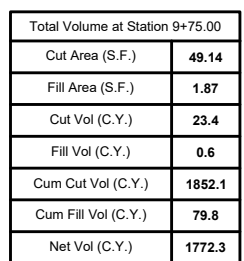
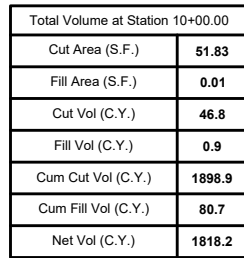
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DESCRIPTION

XX/XX

XX/XX

XX



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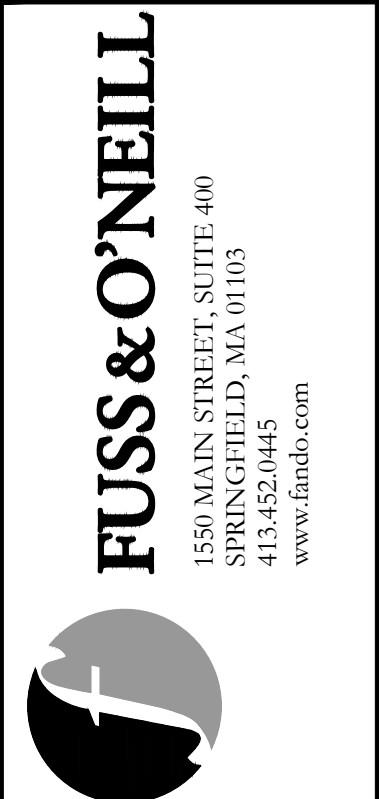
VERT.:

DATUM:

HORZ.: 20 10 0 20

VERT.:

GRAPHIC SCALE



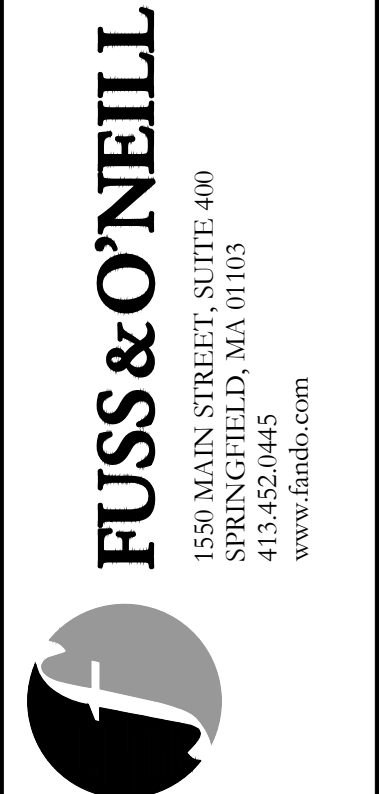
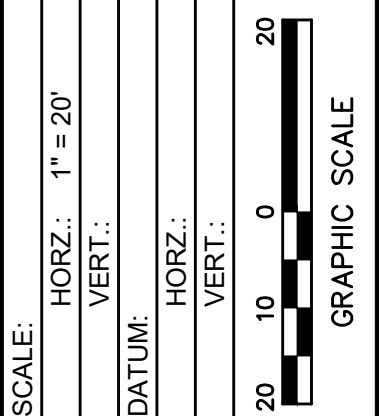
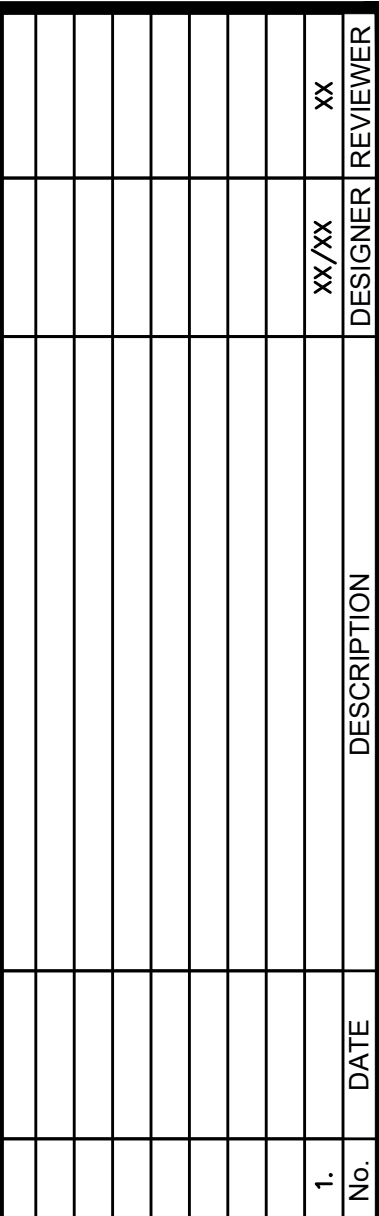
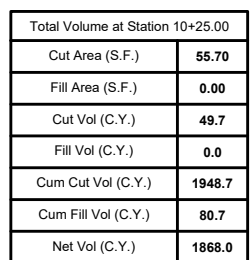
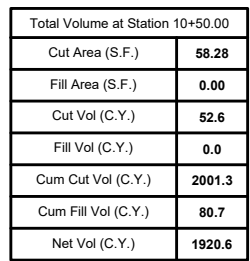
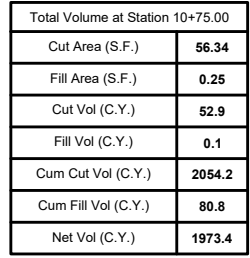
TOWN OF LITTLETON

CROSS SECTIONS

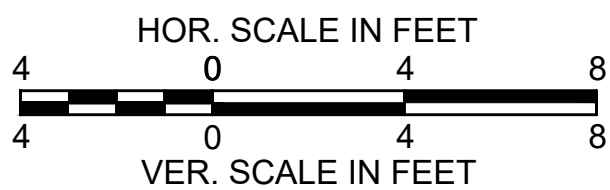
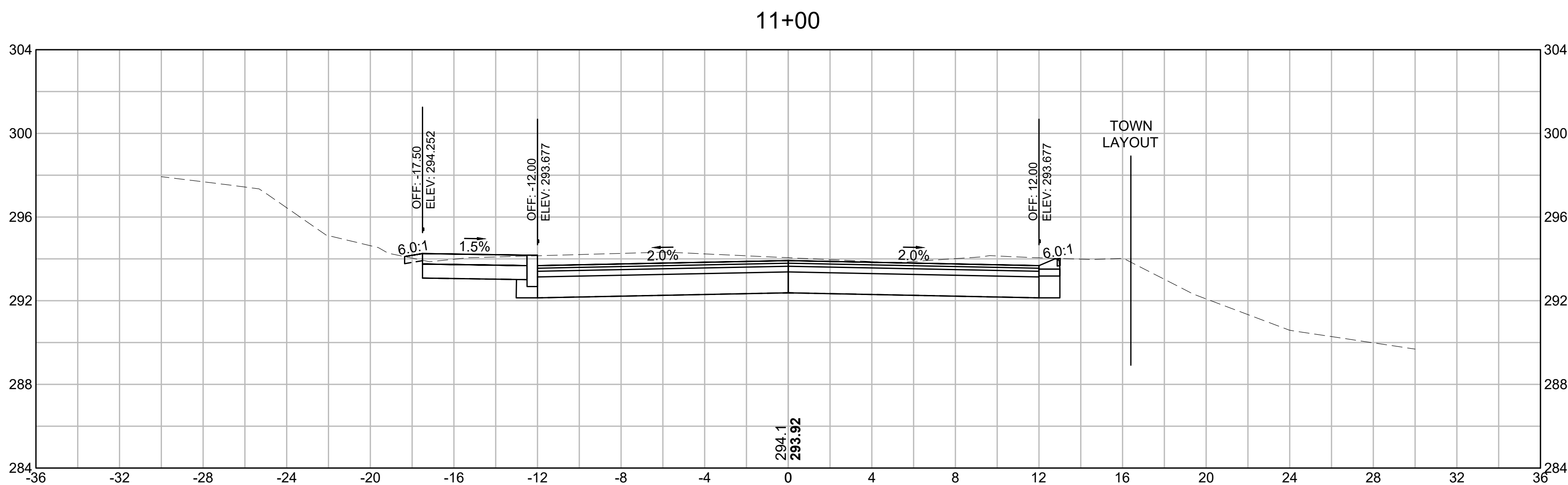
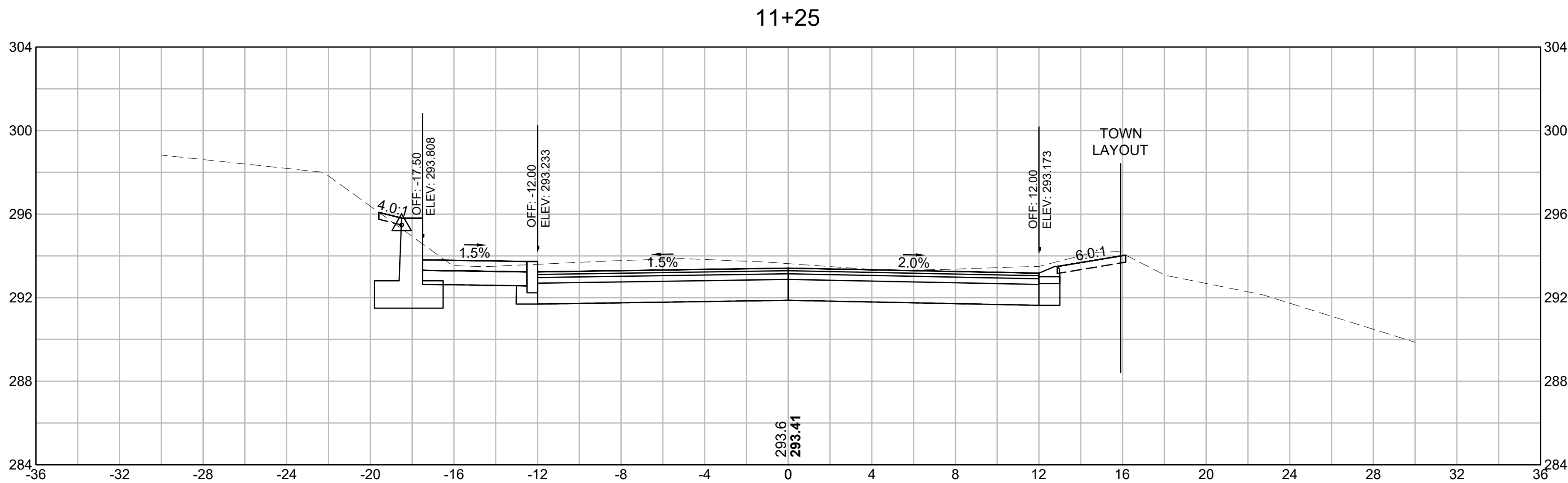
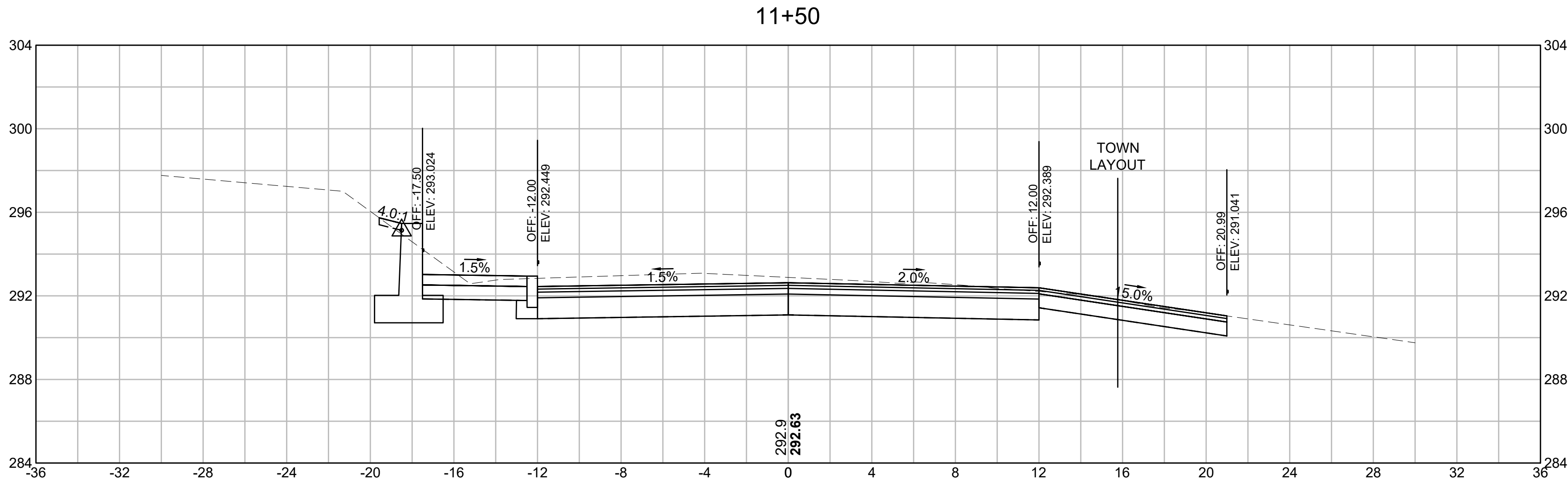
RECONSTRUCTION OF FOSTER STREET
PHASE II

LITTLETON

MASSACHUSETTS



TOWN OF LITTLETON
CROSS SECTIONS
RECONSTRUCTION OF FOSTER STREET
PHASE II
LITTLETON MASSACHUSETTS



TOWN OF LITTLETON

CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET

PHASE II

LITTLETON

MASSACHUSETTS

PROJ. No.: 20170044 A30

DATE: MARCH 1, 2021

CX-115

SCALE:

HORZ.: 1" = 20'

VERT.: 1" = 10'

DATUM:

HORZ.: 1" = 20'

VERT.: 1" = 10'

GRAPHIC SCALE

1. No.

DATE

DESIGNER

REVIEWER

XX/XX

DESIGNER

REVIEWER

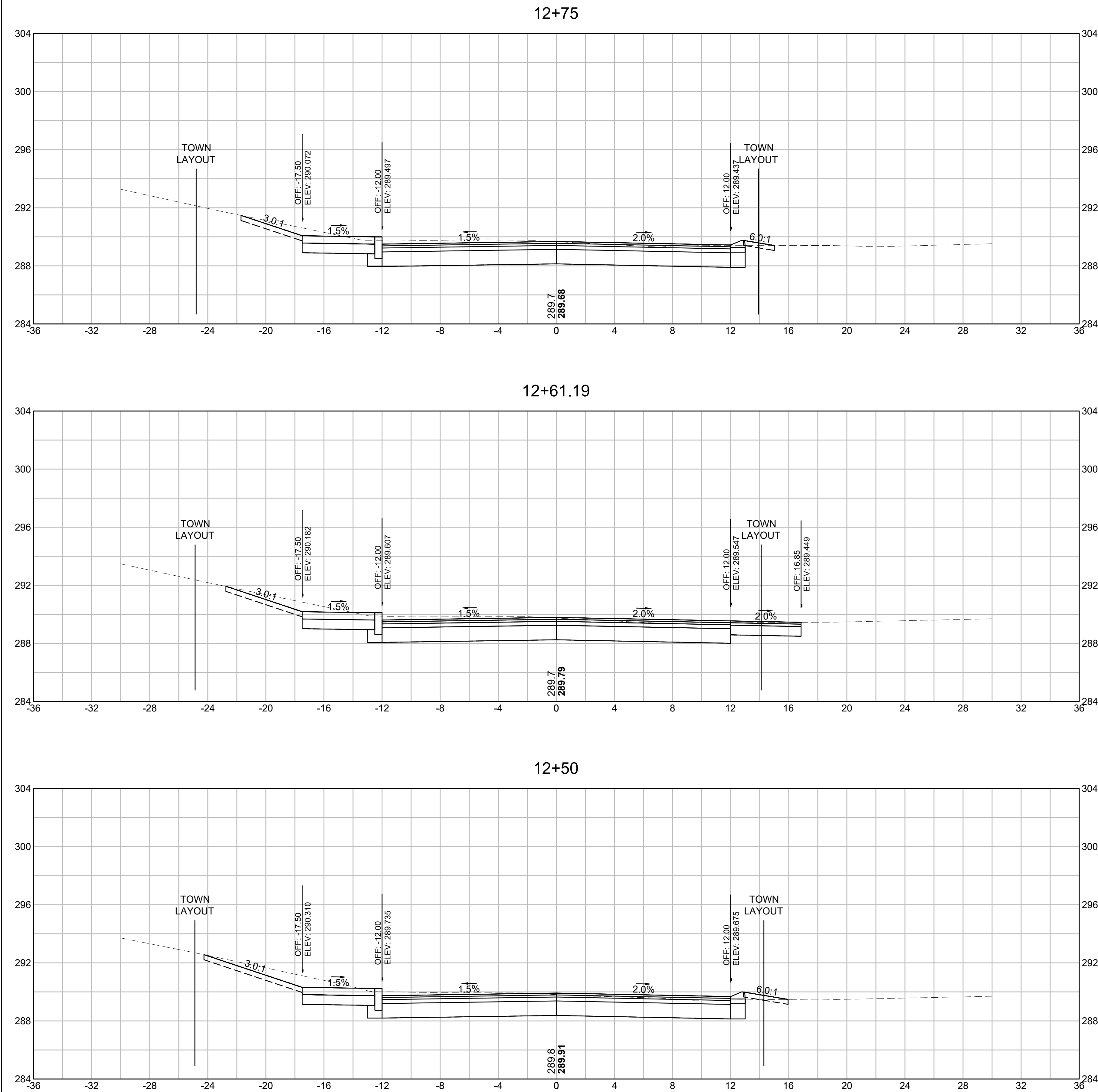
FUSS & O'NEILL

1550 MAIN STREET, SUITE 400

SPRINGFIELD, MA 01105

www.fandb.com

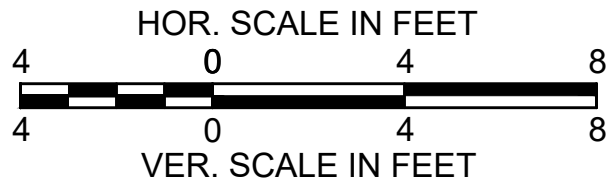
f



Total Volume at Station 12+75.00	
Cut Area (S.F.)	80.36
Fill Area (S.F.)	0.00
Cut Vol (C.Y.)	26.5
Fill Vol (C.Y.)	0.0
Cum Cut Vol (C.Y.)	2462.6
Cum Fill Vol (C.Y.)	82.4
Net Vol (C.Y.)	2380.2

Total Volume at Station 12+61.19	
Cut Area (S.F.)	83.31
Fill Area (S.F.)	0.00
Cut Vol (C.Y.)	27.7
Fill Vol (C.Y.)	0.0
Cum Cut Vol (C.Y.)	2490.3
Cum Fill Vol (C.Y.)	82.4
Net Vol (C.Y.)	2387.9

Total Volume at Station 12+50.00	
Cut Area (S.F.)	81.41
Fill Area (S.F.)	0.00
Cut Vol (C.Y.)	27.5
Fill Vol (C.Y.)	0.0
Cum Cut Vol (C.Y.)	2464.4
Cum Fill Vol (C.Y.)	82.4
Net Vol (C.Y.)	2382.0



TOWN OF LITTLETON

CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET

PHASE II

LITTLETON

PROJ. No.: 20170044 A30

DATE: MARCH 1, 2021

CX-117

SCALE: HORZ.: 1" = 20'

VERT.: 1" = 2'

DATUM:

HORZ.: 1" = 20'

VERT.: 1" = 2'

GRAPHIC SCALE

1. No.

DATE

DESIGNER

REVIEWER

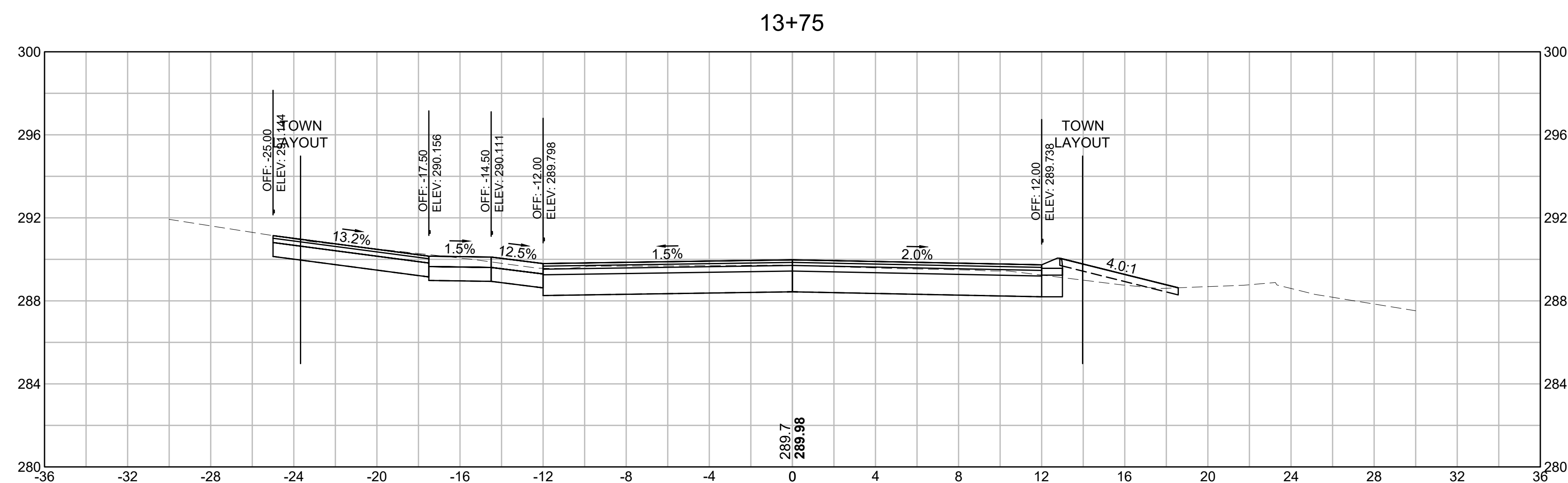
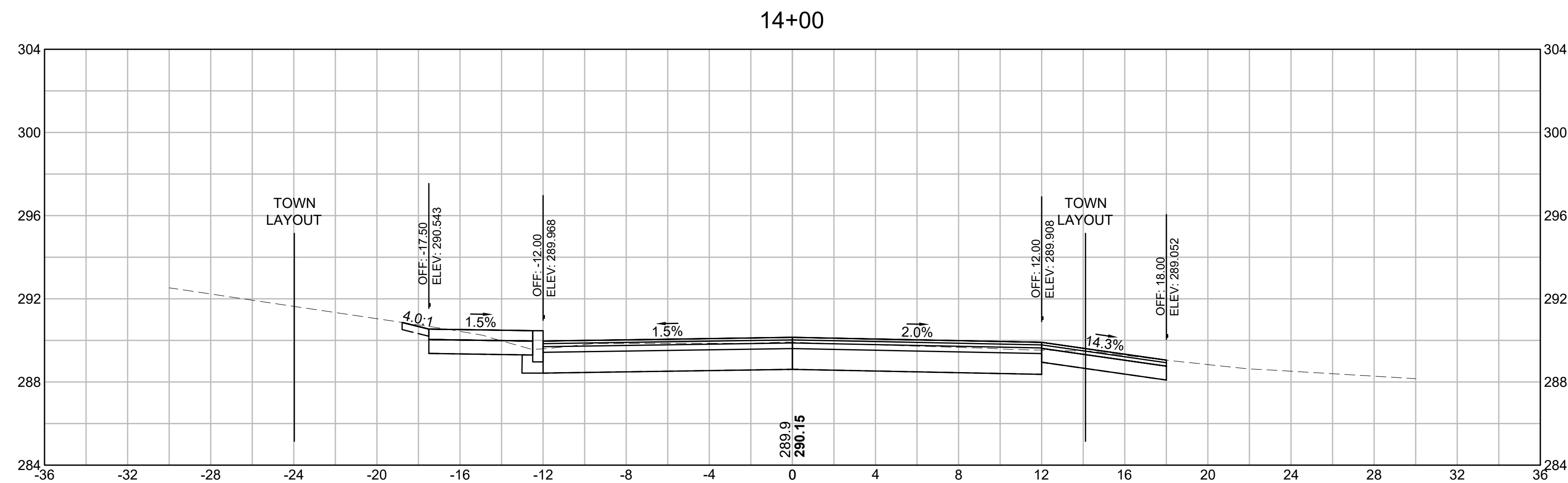
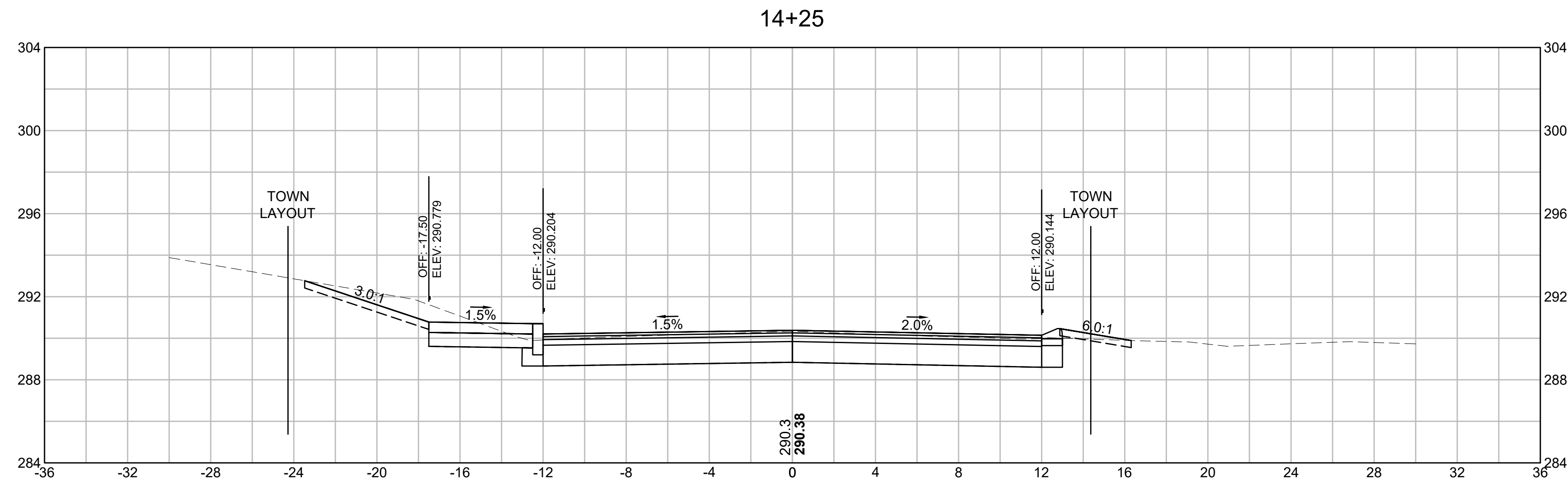
FUSS & O'NEILL

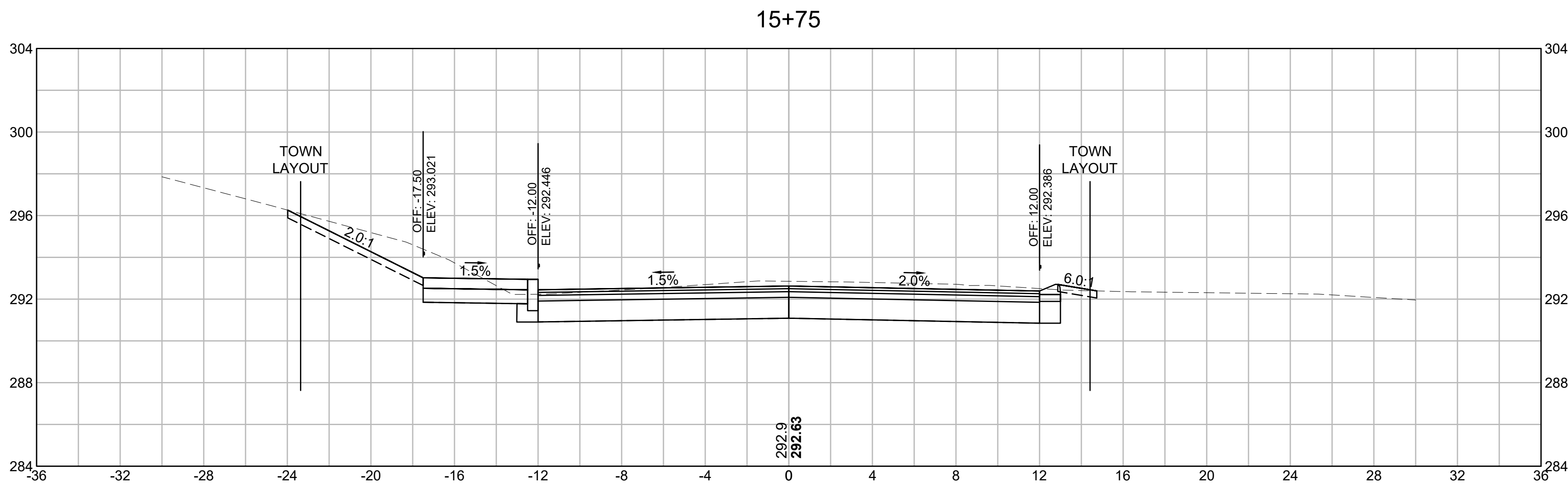
1550 MAIN STREET, SUITE 400

SPRINGFIELD, MA 01105

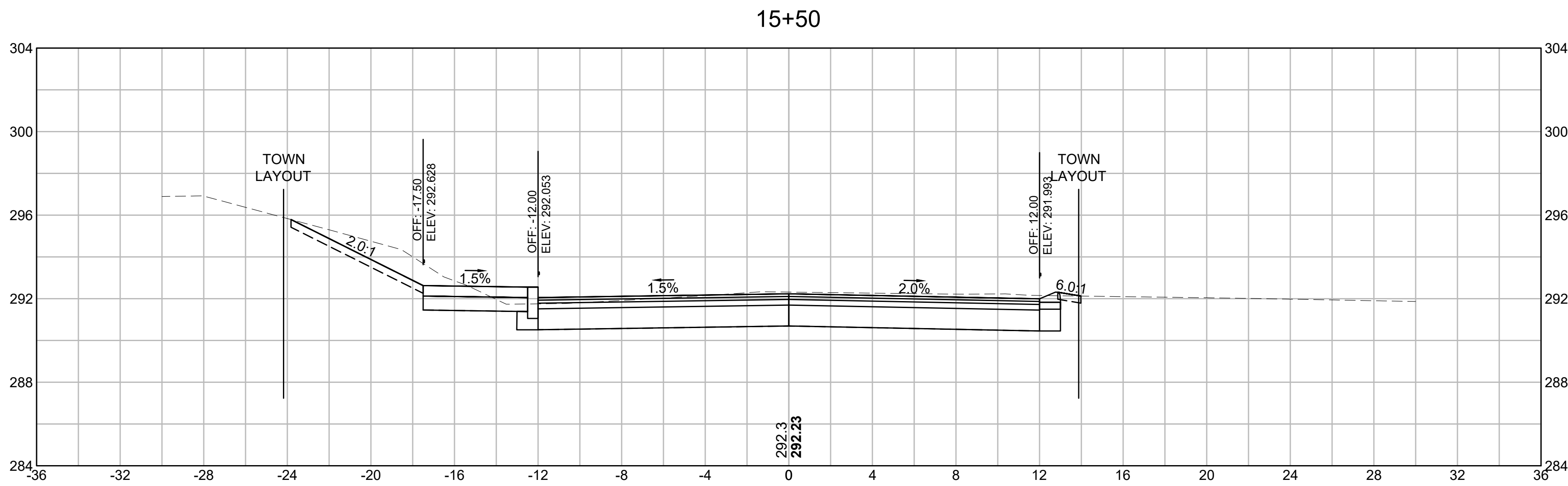
www.fuss.com

MASSACHUSETTS

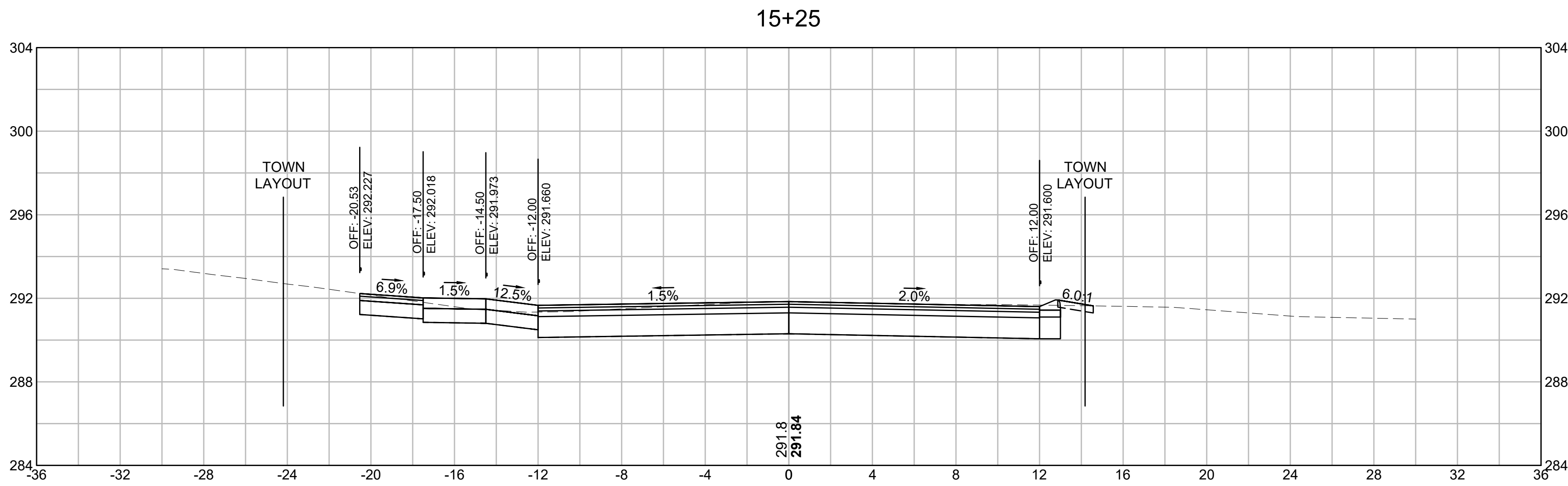




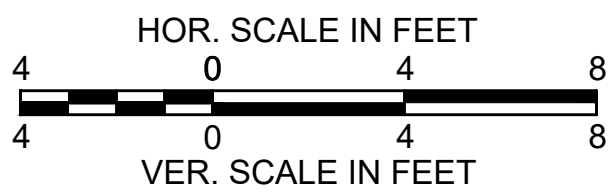
Total Volume at Station 15+75.00	
Cut Area (S.F.)	56.53
Fill Area (S.F.)	5.89
Cut Vol (C.Y.)	59.2
Fill Vol (C.Y.)	6.8
Cum Cut Vol (C.Y.)	2992.2
Cum Fill Vol (C.Y.)	65.9
Net Vol (C.Y.)	2999.4



Total Volume at Station 15+50.00	
Cut Area (S.F.)	62.55
Fill Area (S.F.)	5.89
Cut Vol (C.Y.)	65.4
Fill Vol (C.Y.)	6.1
Cum Cut Vol (C.Y.)	2935.1
Cum Fill Vol (C.Y.)	65.9
Net Vol (C.Y.)	2999.2



Total Volume at Station 15+25.00	
Cut Area (S.F.)	45.14
Fill Area (S.F.)	5.13
Cut Vol (C.Y.)	42.9
Fill Vol (C.Y.)	5.1
Cum Cut Vol (C.Y.)	2989.7
Cum Fill Vol (C.Y.)	65.8
Net Vol (C.Y.)	2993.9



TOWN OF LITTLETON

CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET

PHASE II

LITTLETON

MASSACHUSETTS

PROJ. No.: 20170044 A30

DATE: MARCH 1, 2021

CX-121

SCALE:

HORZ.: 1" = 20'

VERT.: 1" = 20'

DATUM:

HORZ.: 1" = 20'

VERT.: 1" = 20'

GRAPHIC SCALE

1.

No.

DATE

DESIGNER

REVIEWER

XX/XX

XX

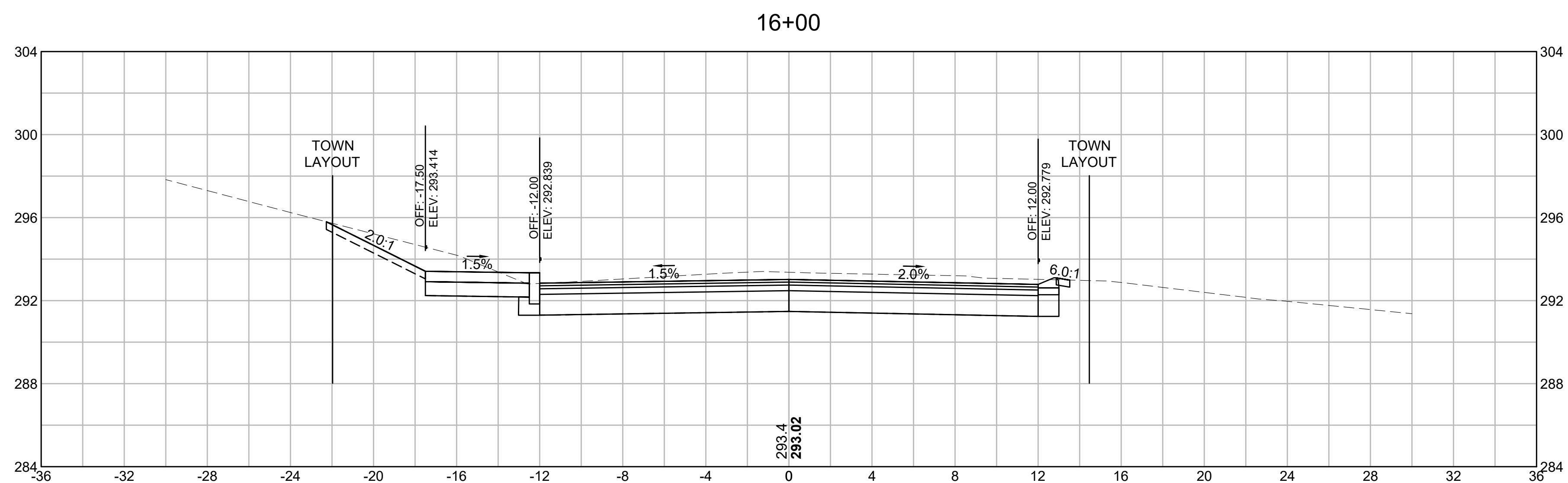
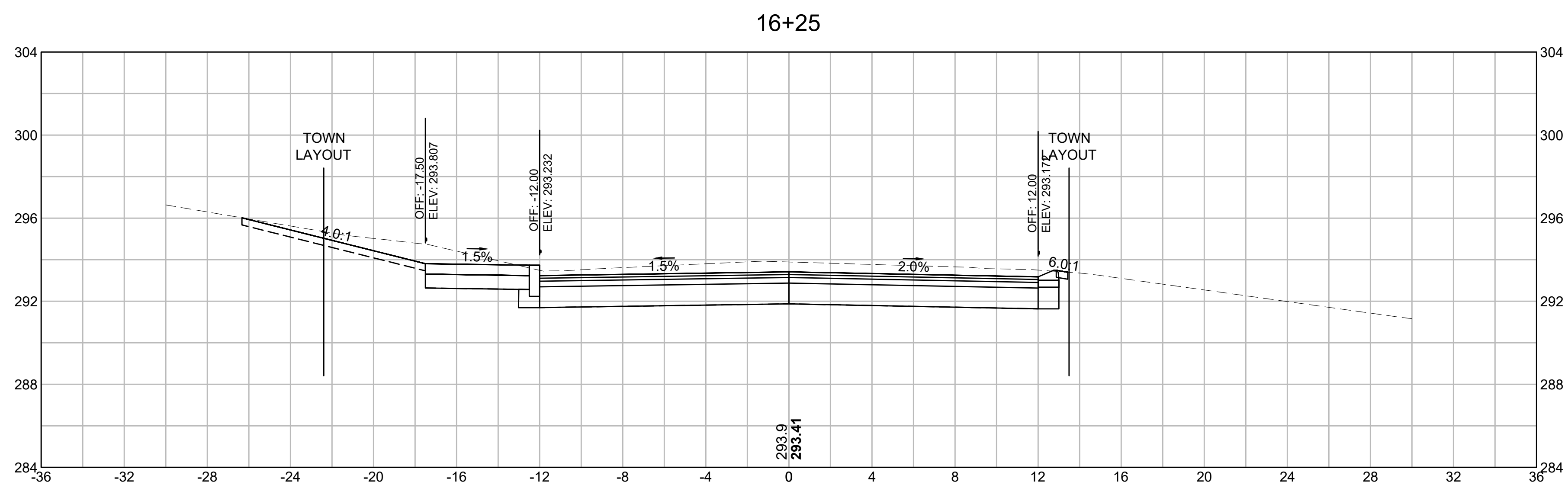
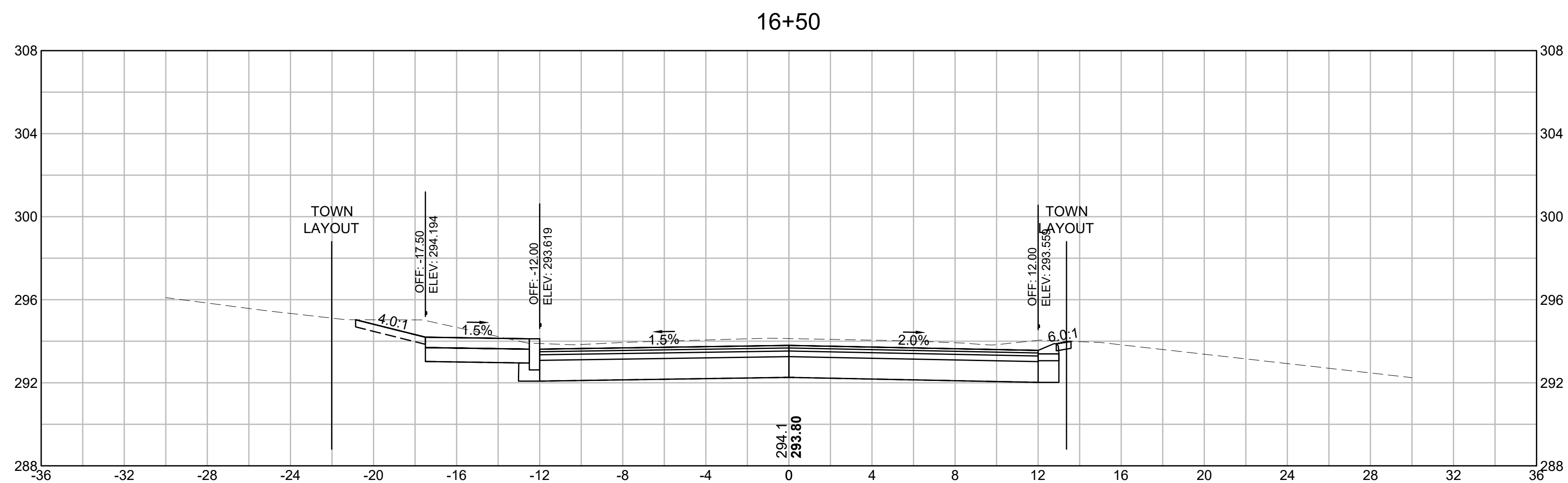
FUSS & O'NEILL

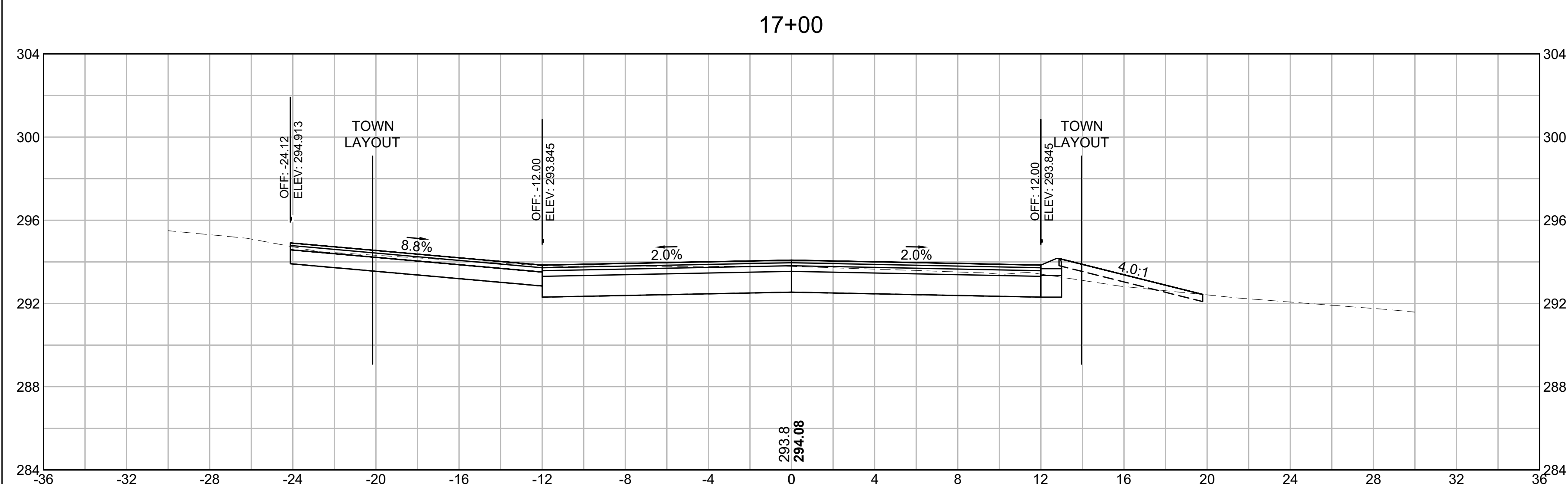
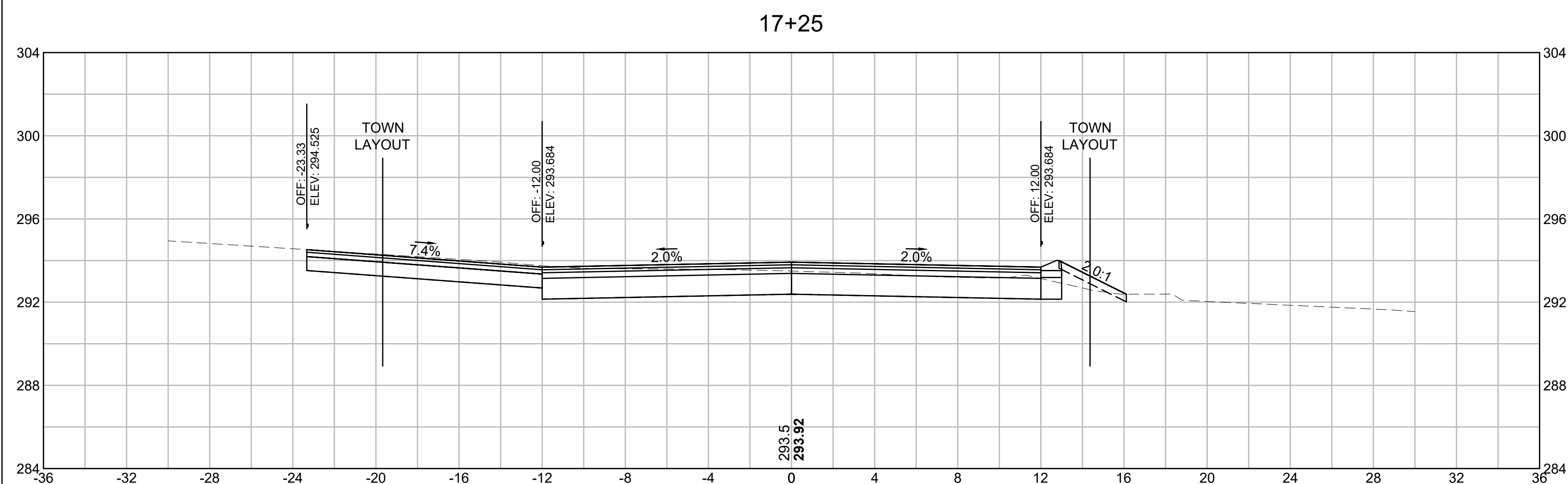
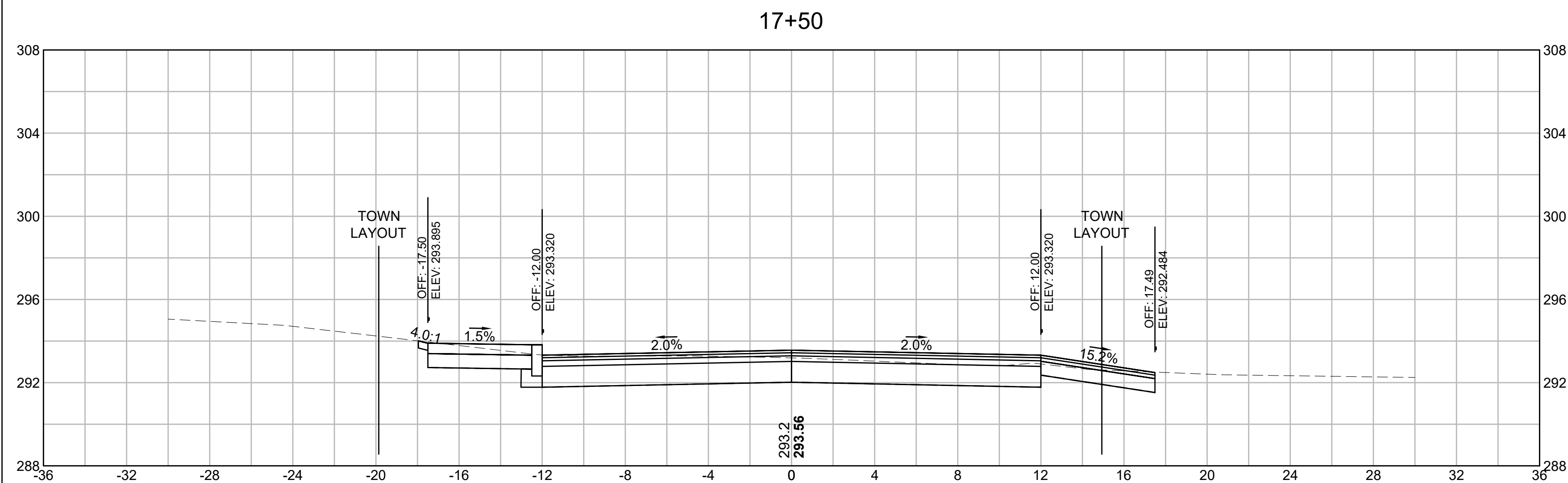
1550 MAIN STREET, SUITE 400

SPRINGFIELD, MA 01105

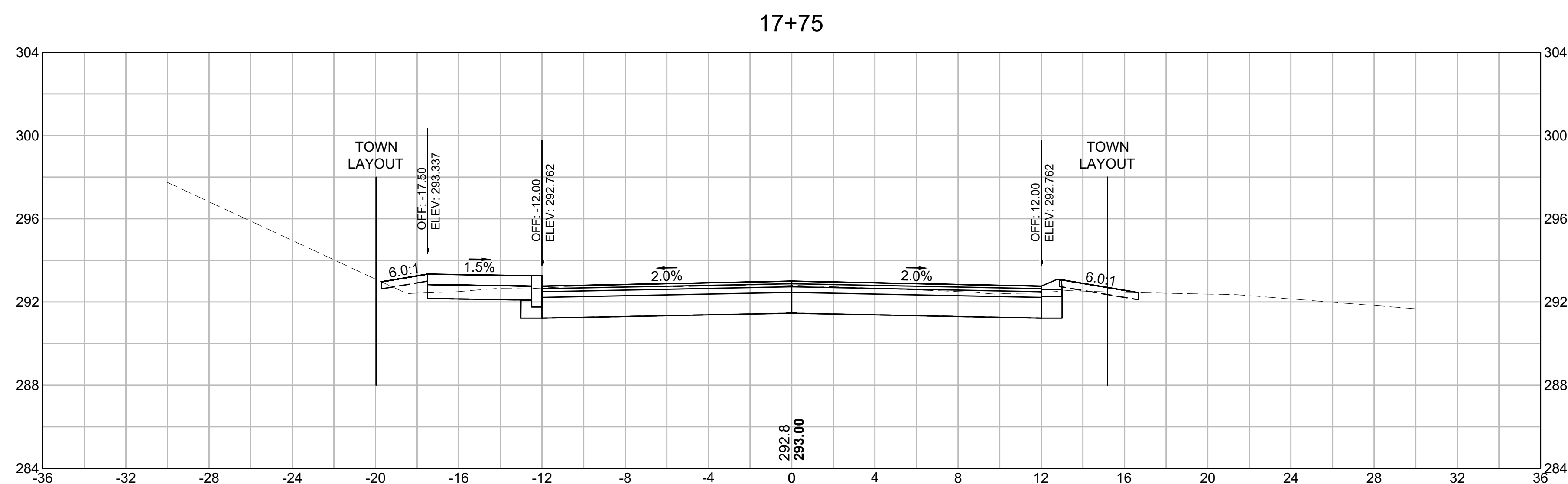
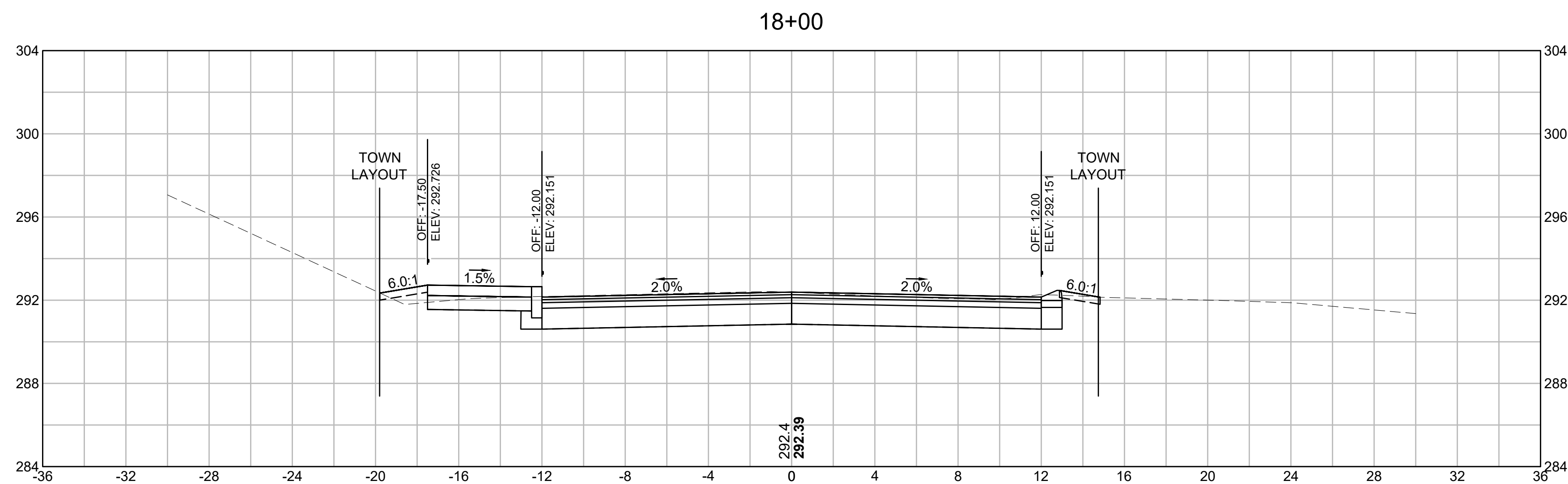
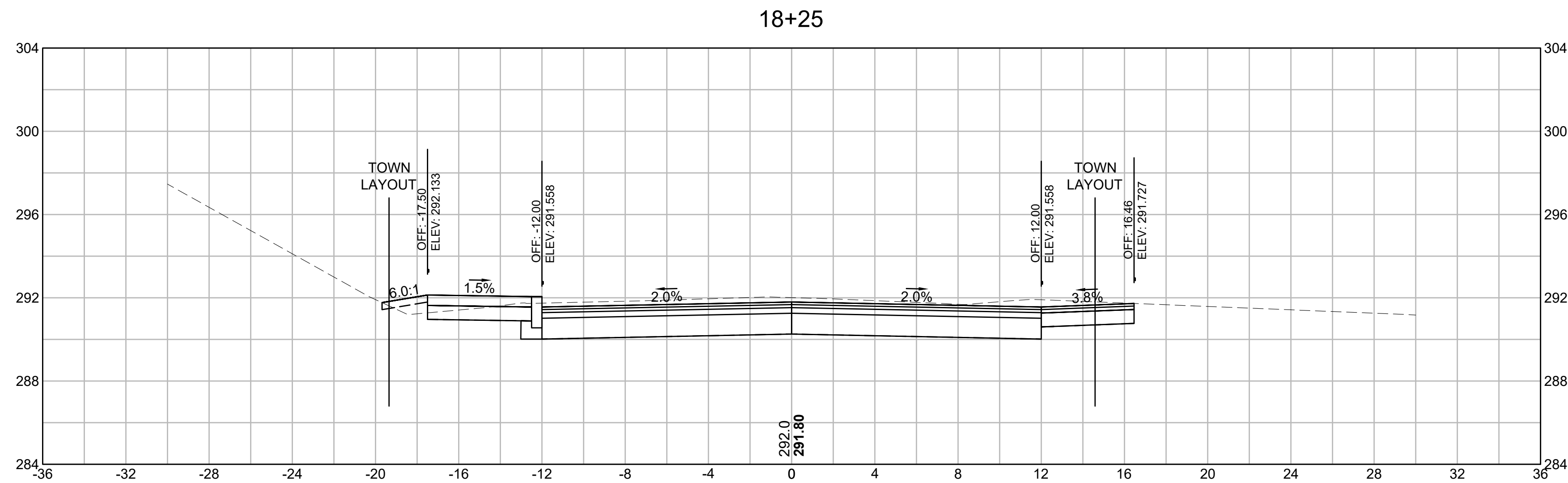
www.fussandoneill.com

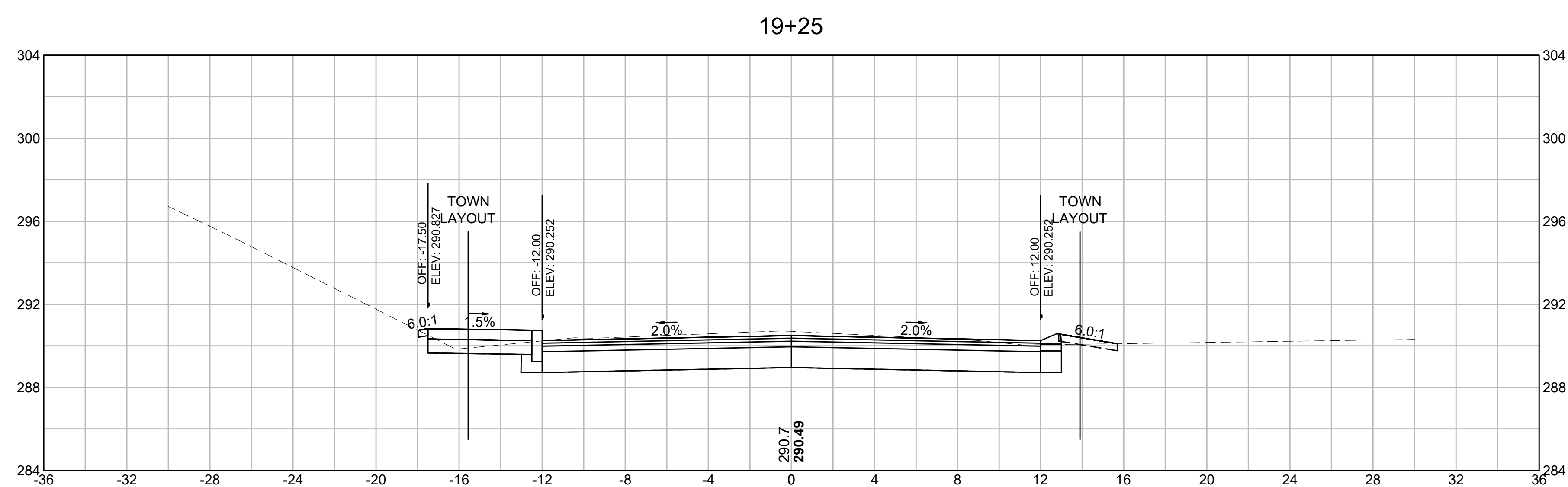
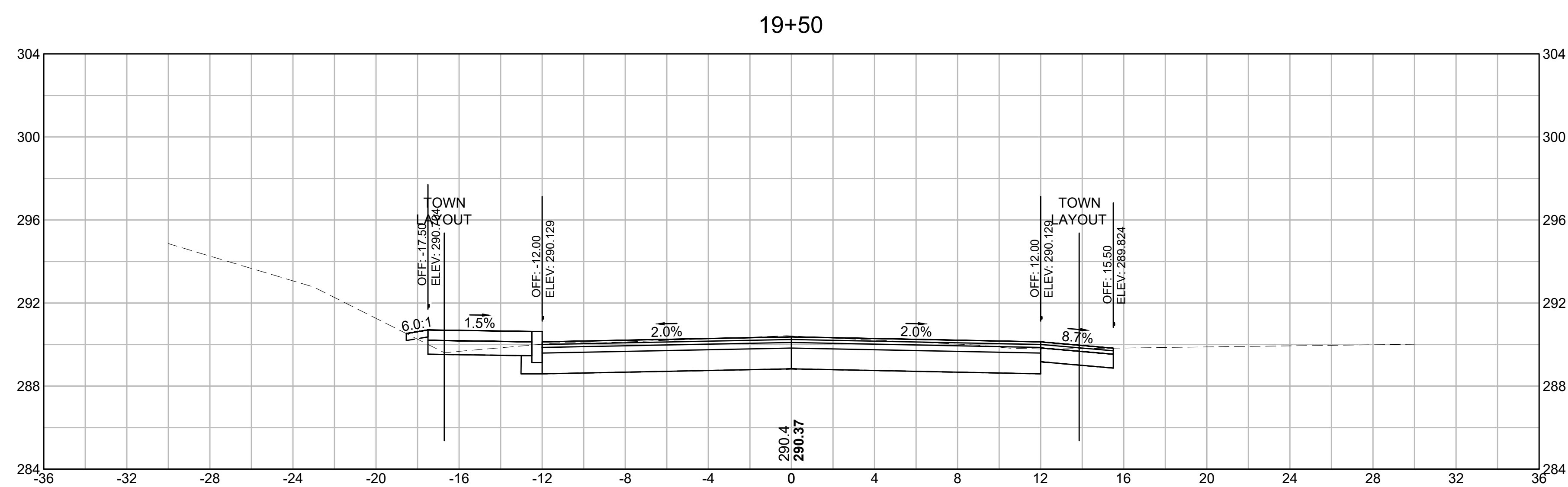
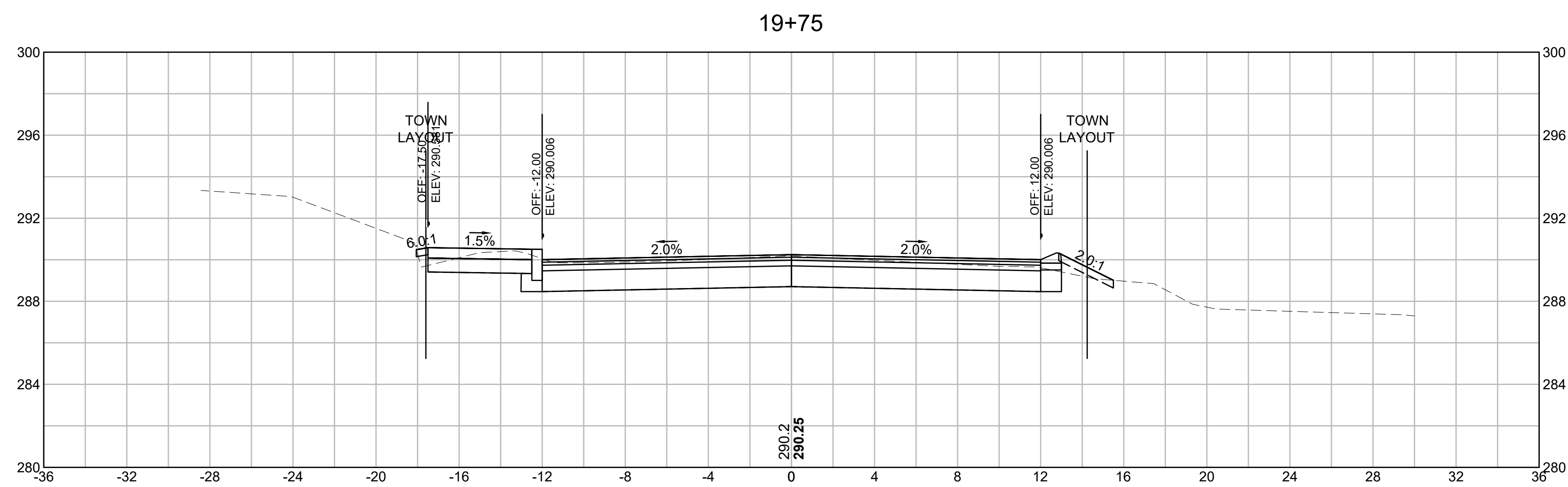
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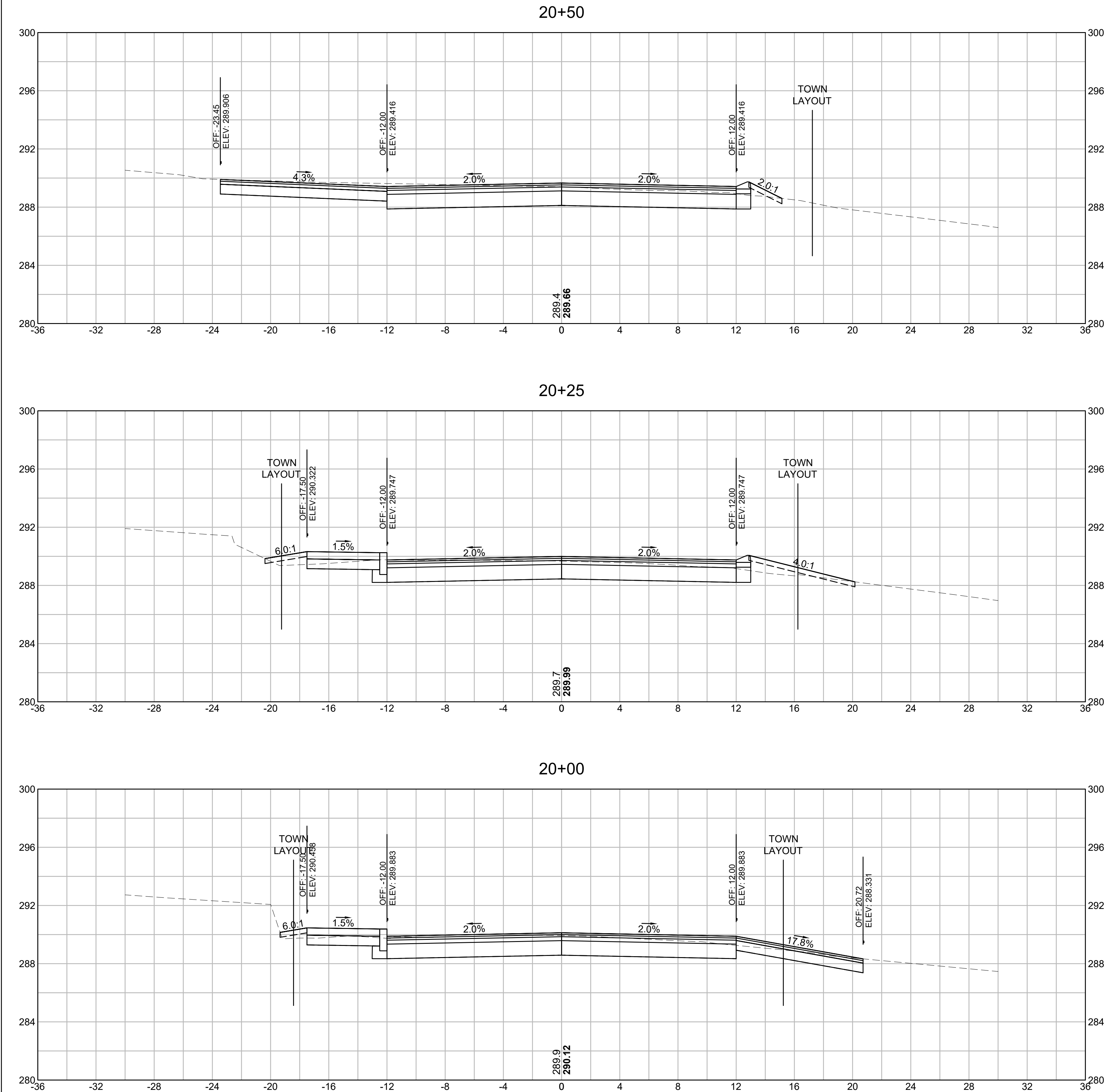




CX-124



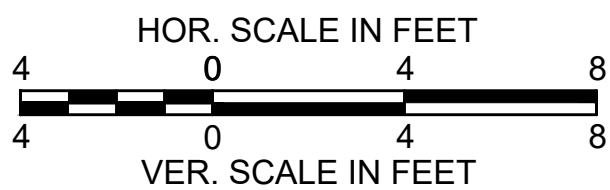




Total Volume at Station 20+50.00	
Cut Area (S.F.)	55.10
Fill Area (S.F.)	5.28
Cut Vol (C.Y.)	41.7
Fill Vol (C.Y.)	1.3
Gravel Cut Vol (C.Y.)	384.1
Gravel Fill Vol (C.Y.)	94.5
Net Vol (C.Y.)	3756.6

Total Volume at Station 20+25.00	
Cut Area (S.F.)	34.99
Fill Area (S.F.)	2.91
Cut Vol (C.Y.)	34.8
Fill Vol (C.Y.)	1.3
Gravel Cut Vol (C.Y.)	389.24
Gravel Fill Vol (C.Y.)	92.3
Net Vol (C.Y.)	3719.2

Total Volume at Station 20+00.00	
Cut Area (S.F.)	40.48
Fill Area (S.F.)	0.28
Cut Vol (C.Y.)	30.7
Fill Vol (C.Y.)	1.9
Gravel Cut Vol (C.Y.)	3777.4
Gravel Fill Vol (C.Y.)	91.9
Net Vol (C.Y.)	3685.6



TOWN OF LITTLETON

CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET

PHASE II

LITTLETON

MASSACHUSETTS

PROJ. No.: 20170044 A30

DATE: MARCH 1, 2021

CX-128

SCALE: HORZ.: 1" = 20'

VERT.: 1" = 20'

DATUM: NAVD83

HORZ.: NAD83

VERT.: NGVD83

GRAPHIC SCALE

20 10 0 20

FUSS & O'NEILL

1550 MAIN STREET, SUITE 400

SPRINGFIELD, MA 01105

413.452.0445

www.fuss-o-neill.com

DESIGNER

REVIEWER

No.

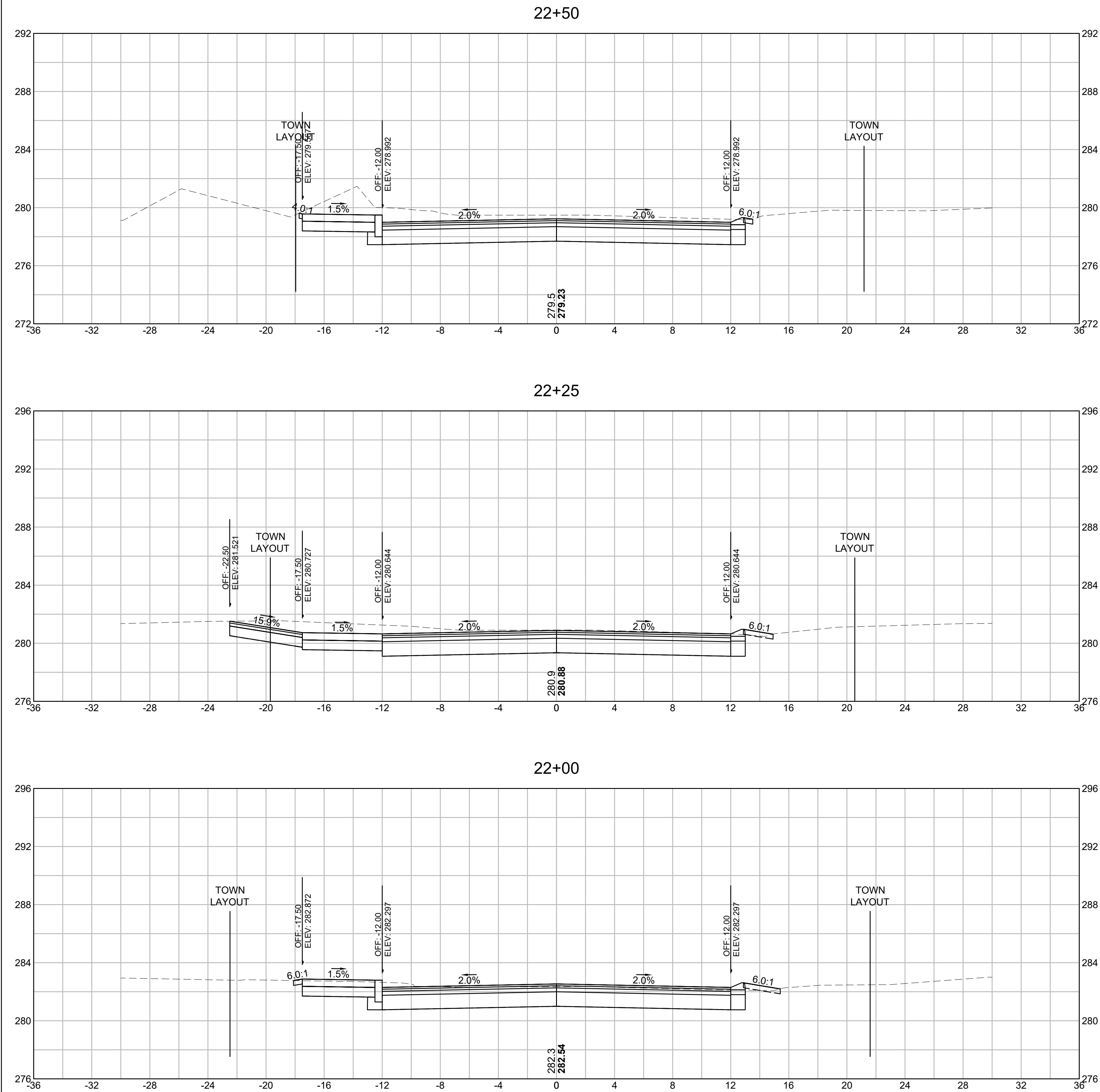
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DATE

DESCRIPTION

X/Y/X

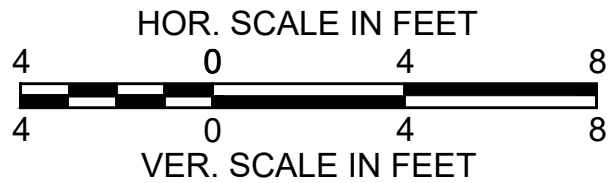
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Total Volume at Station 22+50.00	
Cut Area (S.F.)	72.86
Fill Area (S.F.)	0.00
Cut Vol (C.Y.)	64.0
Fill Vol (C.Y.)	0.0
Cum Cut Vol (C.Y.)	4272.6
Cum Fill Vol (C.Y.)	95.6
Net Vol (C.Y.)	4177.1

Total Volume at Station 22+25.00	
Cut Area (S.F.)	66.30
Fill Area (S.F.)	0.00
Cut Vol (C.Y.)	62.9
Fill Vol (C.Y.)	0.0
Cum Cut Vol (C.Y.)	4286.7
Cum Fill Vol (C.Y.)	95.6
Net Vol (C.Y.)	4125.1

Total Volume at Station 22+00.00	
Cut Area (S.F.)	48.79
Fill Area (S.F.)	0.00
Cut Vol (C.Y.)	40.8
Fill Vol (C.Y.)	0.0
Cum Cut Vol (C.Y.)	4155.8
Cum Fill Vol (C.Y.)	95.6
Net Vol (C.Y.)	4060.2



TOWN OF LITTLETON

CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET

PHASE II

LITTLETON

PROJ. No.: 20170044 A30

DATE: MARCH 1, 2021

CX-131

SCALE: HORZ.: 1" = 20'

VERT.: 1" = 4'

DATUM: 1985

HORZ.: 1" = 20'

VERT.: 1" = 4'

GRAPHIC SCALE

FUSS & O'NEILL

1550 MAIN STREET, SUITE 400

SPRINGFIELD, MA 01105

413.452.0445

www.fuss-o-neill.com

DESIGNER

REVIEWER

DATE

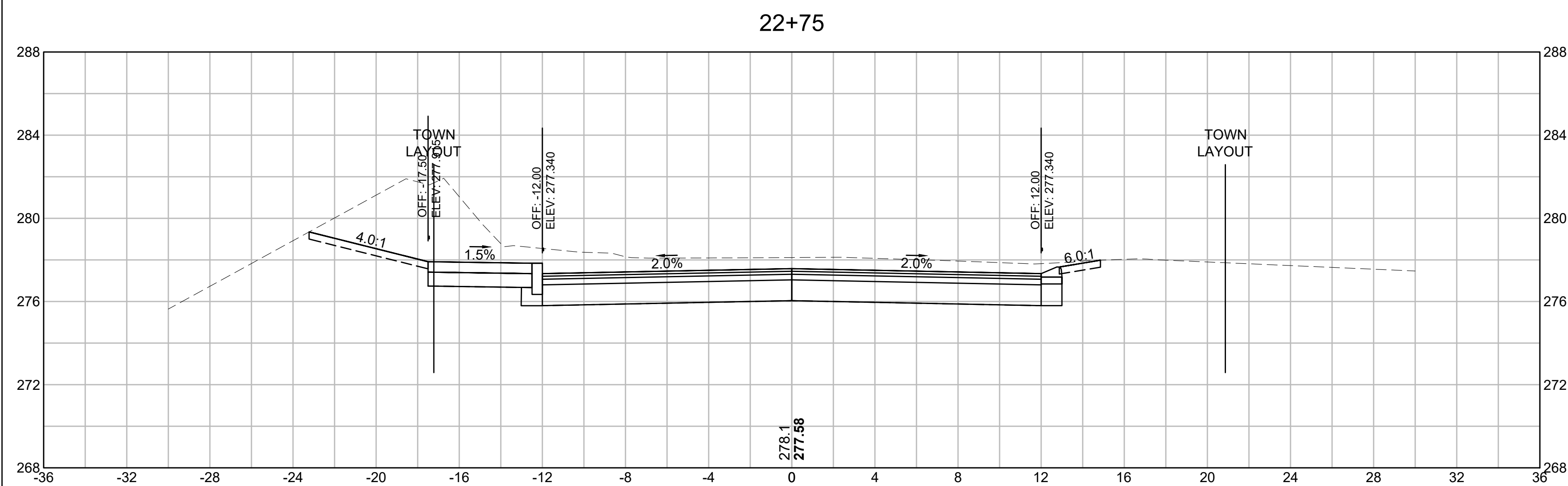
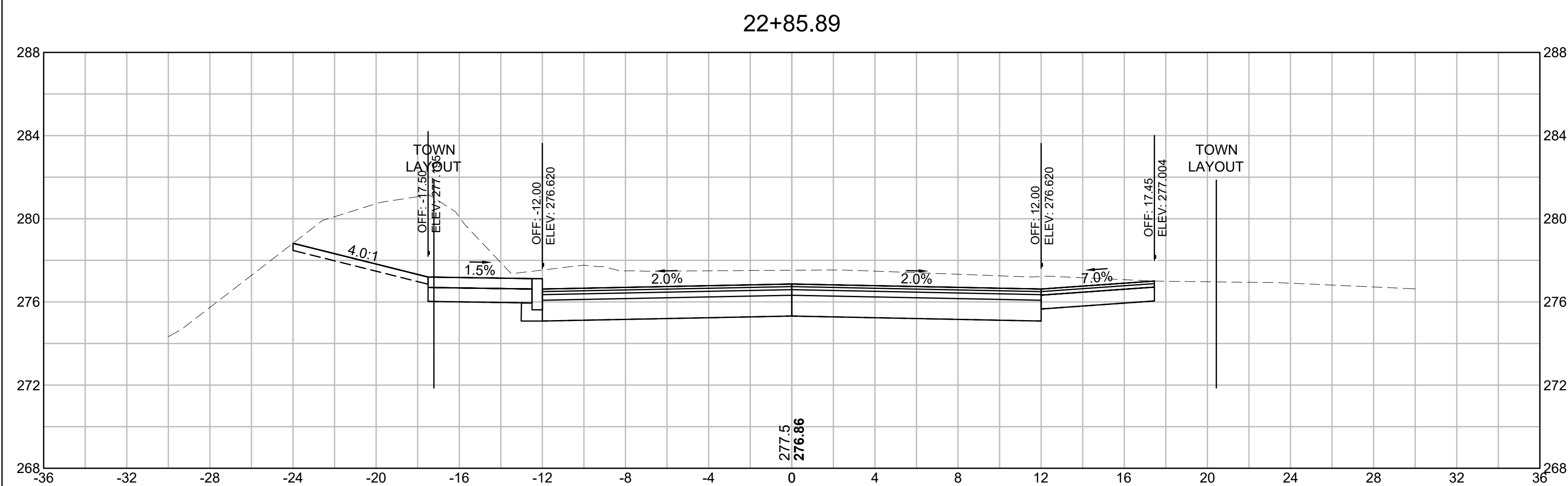
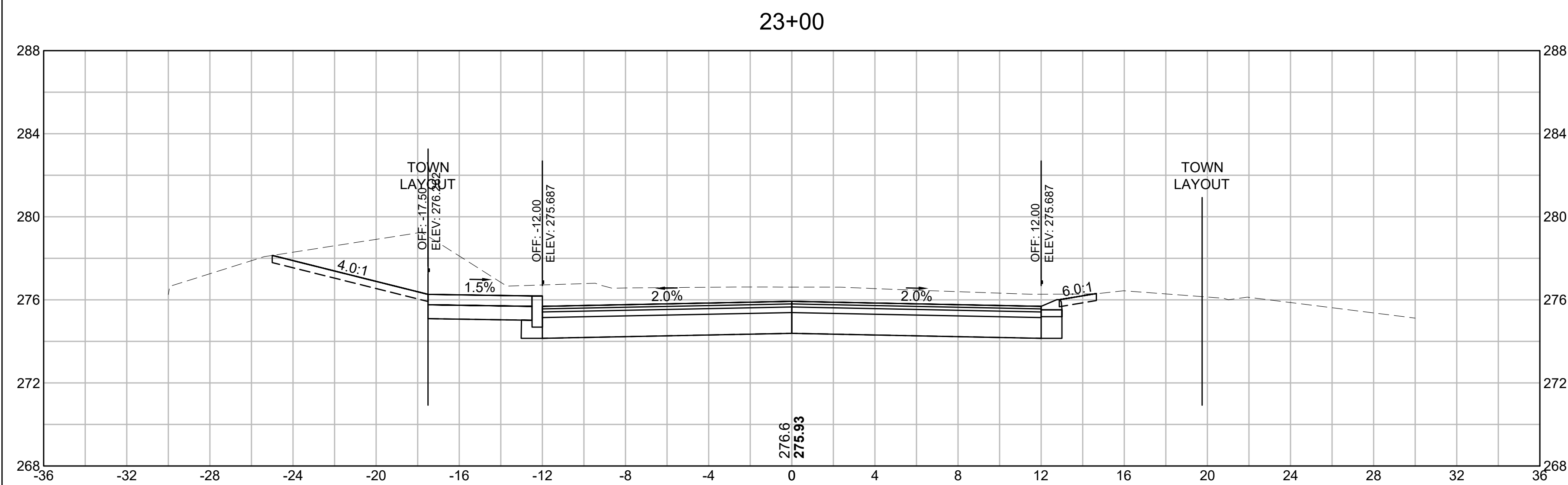
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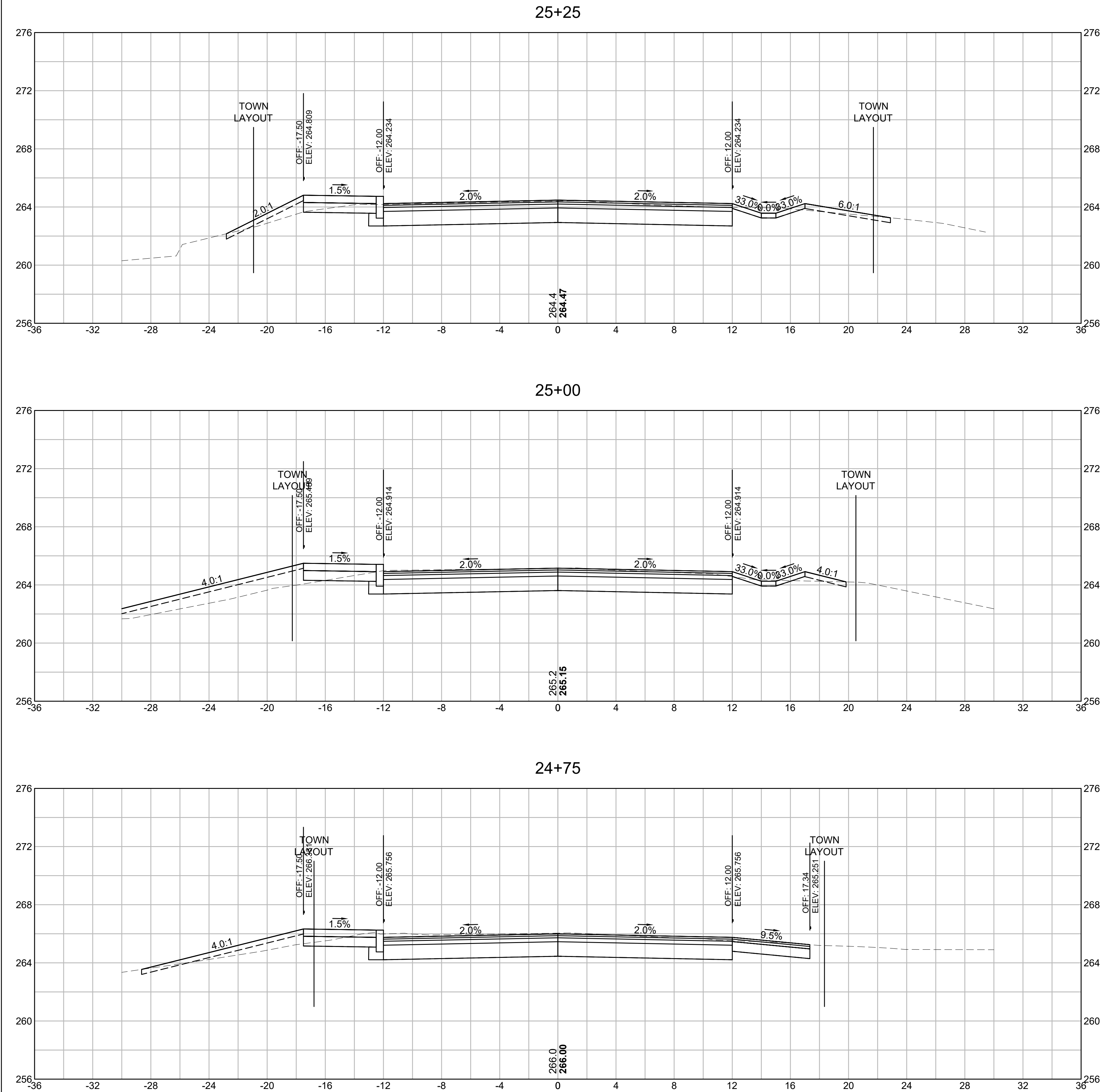
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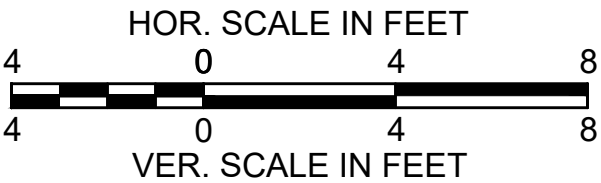




Total Volume at Station 25+25.00	
Cut Area (S.F.)	41.94
Fill Area (S.F.)	3.12
Cut Vol (C.Y.)	37.4
Fill Vol (C.Y.)	7.1
Grav Cut Vol (C.Y.)	4892.3
Grav Fill Vol (C.Y.)	116.0
Net Vol (C.Y.)	4816.3

Total Volume at Station 25+00.00	
Cut Area (S.F.)	39.39
Fill Area (S.F.)	12.94
Cut Vol (C.Y.)	66.3
Fill Vol (C.Y.)	9.2
Grav Cut Vol (C.Y.)	4884.9
Grav Fill Vol (C.Y.)	198.9
Net Vol (C.Y.)	4786.1

Total Volume at Station 24+75.00	
Cut Area (S.F.)	47.33
Fill Area (S.F.)	6.90
Cut Vol (C.Y.)	45.7
Fill Vol (C.Y.)	5.4
Grav Cut Vol (C.Y.)	4884.6
Grav Fill Vol (C.Y.)	99.6
Net Vol (C.Y.)	4785.0



SCALE: HORZ.: 1" = 20'

VERT.: 1" = 4'

DATUM: 1985

HORZ.: 1" = 20'

VERT.: 1" = 4'

GRAPHIC SCALE

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TOWN OF LITTLETON

CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET

PHASE II

LITTLETON

MASSACHUSETTS

PROJ. No.: 20170044 A30

DATE: MARCH 1, 2021

CX-135

DESIGNER

REVIEWER

1.

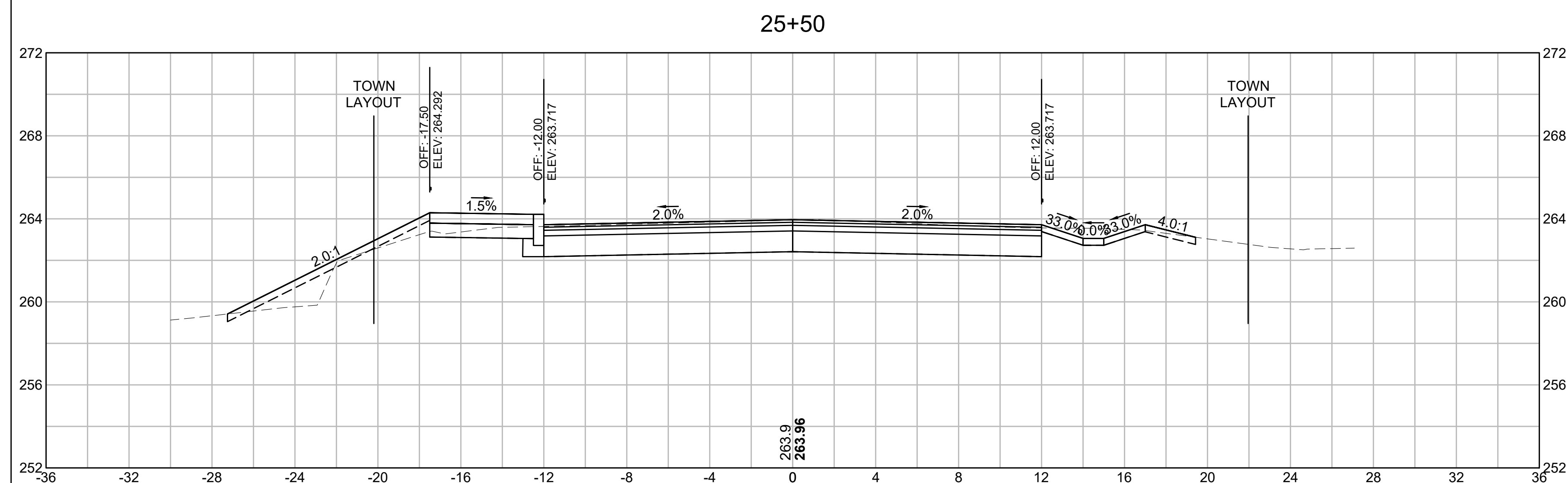
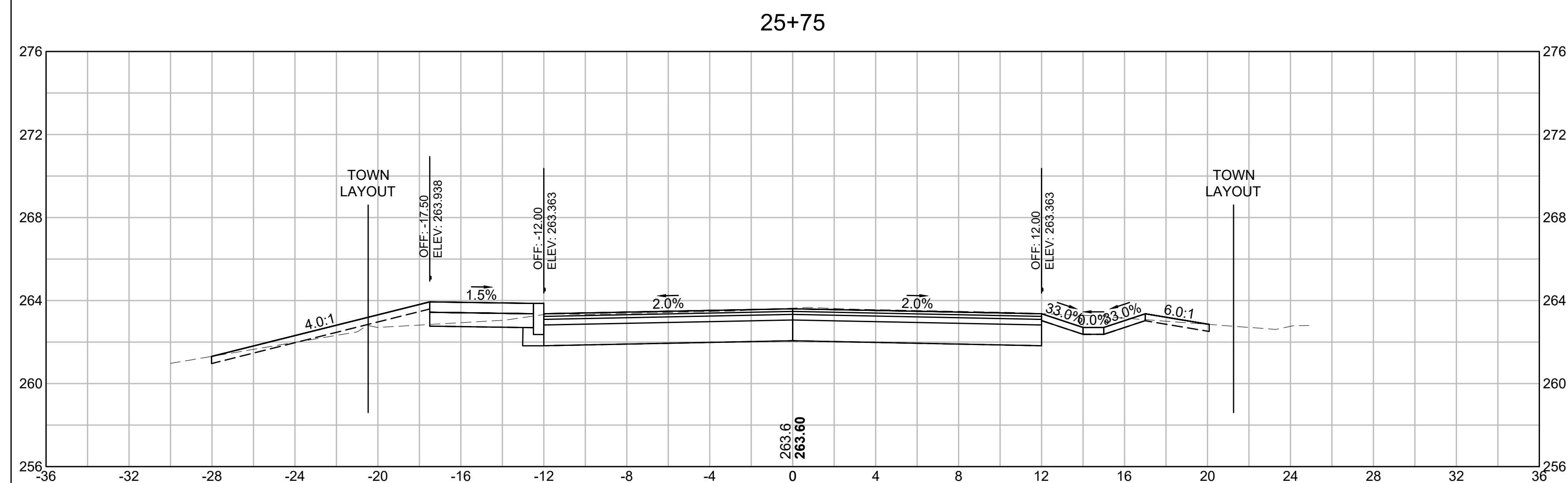
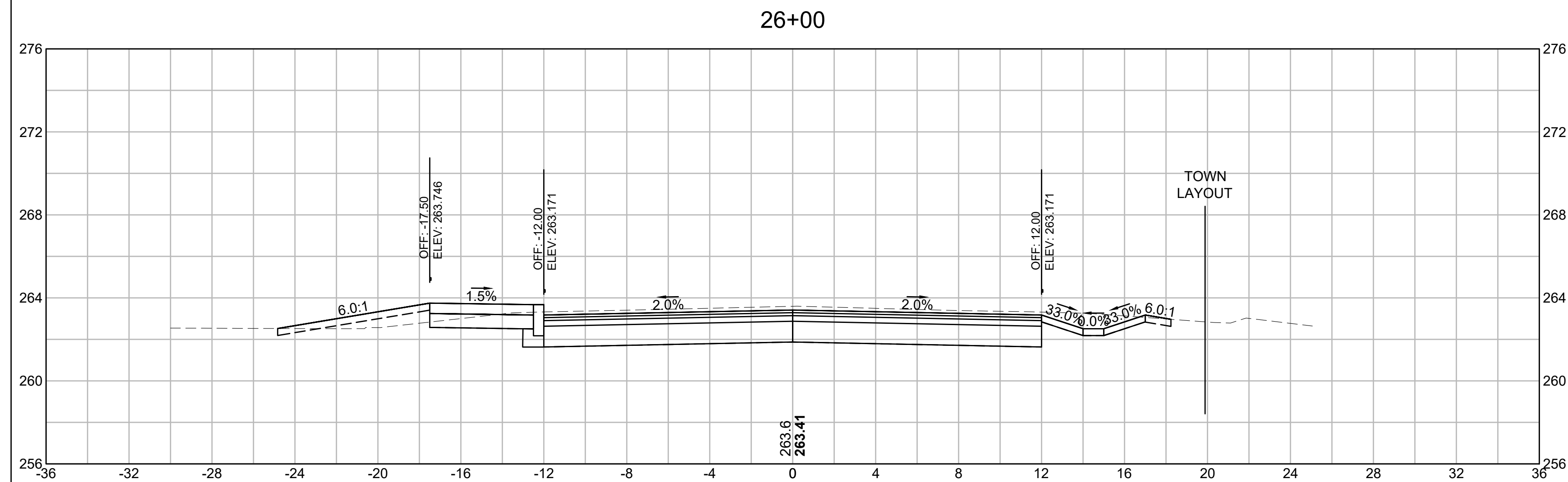
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DATE

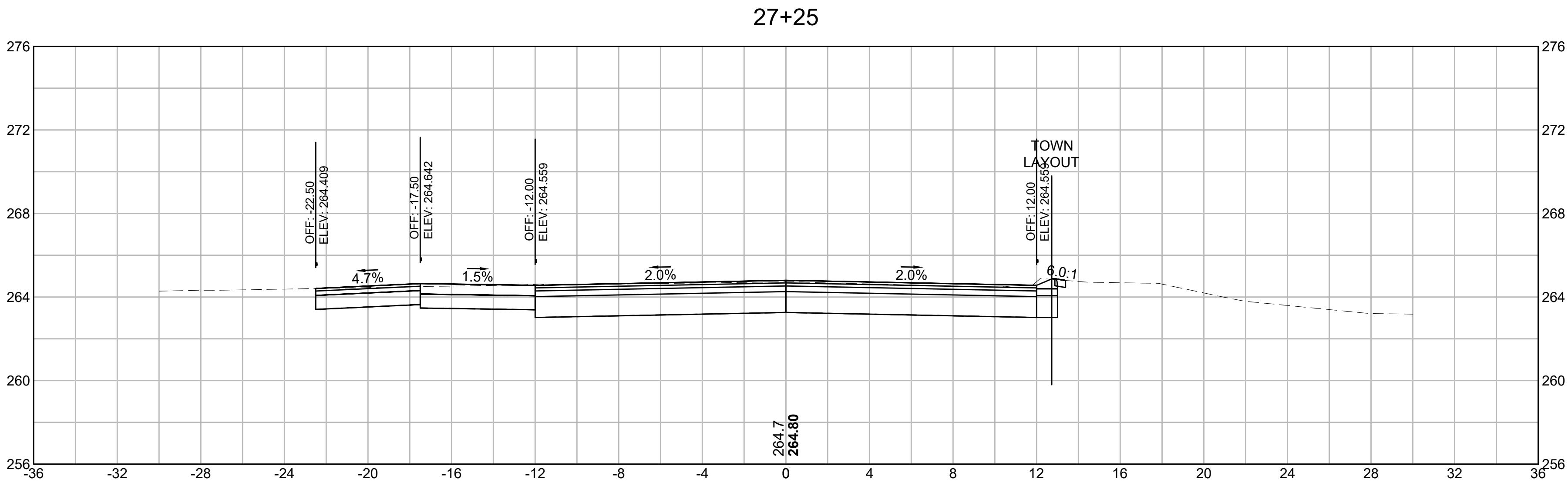
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XX/XX

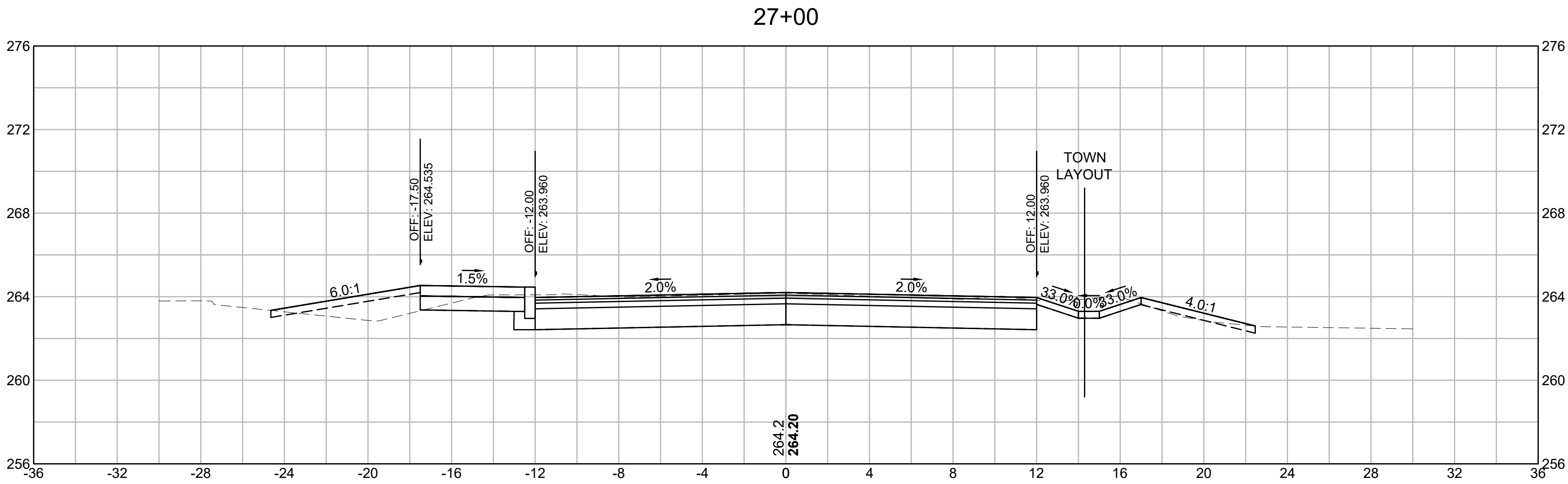
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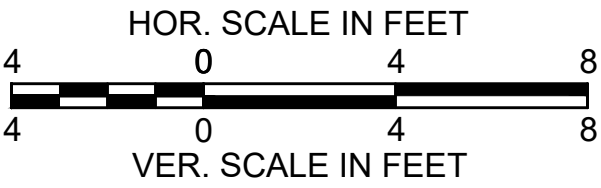
CX-136



Total Volume at Station 27+25.00	
Cut Area (S.F.)	35.87
Fill Area (S.F.)	0.00
Cut Vol (C.Y.)	43.2
Fill Vol (C.Y.)	2.0
Comp Cut Vol (C.Y.)	3285.6
Comp Fill Vol (C.Y.)	123.5
Net Vol (C.Y.)	3162.1



Total Volume at Station 27+00.00	
Cut Area (S.F.)	42.93
Fill Area (S.F.)	4.09
Cut Vol (C.Y.)	42.4
Fill Vol (C.Y.)	2.1
Comp Cut Vol (C.Y.)	3282.4
Comp Fill Vol (C.Y.)	121.5
Net Vol (C.Y.)	3160.9



SCALE: HORZ.: 1" = 20'

VERT.: 1" = 10'

DATUM: MGLD, MA 01/05

HORZ.: 1" = 20'

VERT.: 1" = 10'

GRAPHIC SCALE

1. No.

DATE

DESCRIPTION

DESIGNER

REVIEWER

TOWN OF LITTLETON

CROSS SECTIONS

RECONSTRUCTION OF FOSTER STREET

PHASE II

LITTLETON

MASSACHUSETTS

PROJ. No.: 20170044 A30

DATE: MARCH 1, 2021

CX-138

FUSS & O'NEILL

1550 MAIN STREET, SUITE 400

SPRINGFIELD, MA 01105

www.fuss.com

1. No.

DATE

DESCRIPTION

DESIGNER

REVIEWER