

UTILITIES SHOWN ON CROSS SECTIONS ARE FOR APPROXIMATE HORIZONTAL LOCATION ONLY.

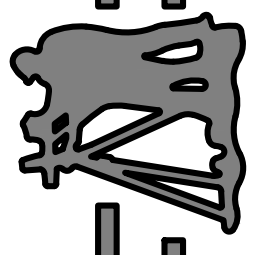
PRINTS ISSUED

DECEMBER 16, 2021

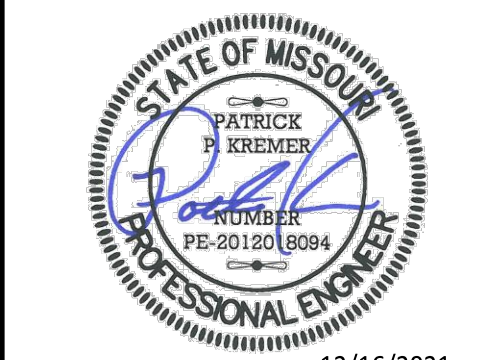
REVISIONS:

Central Missouri Professional Services, Inc.
ENGINEERING - SURVEYING - MATERIALS TESTING
2500 E. McCARTY
JEFFERSON CITY, MISSOURI 65101

(573) 634-9455
(573) 634-8898



Central Missouri Professional Services, Inc.
Missouri State Certificate of Authority #001558



12/16/2021
Patrick P. Kremer, PE - Engineer
MO# PE-2012018094

TANNER BRIDGE ROAD ALIGNMENT
IMPROVEMENTS, PROJECT # 2022-601-1

COLE COUNTY PUBLIC WORKS

TANNER BRIDGE ROAD
COLE COUNTY, MISSOURI

CMPS JOB No. 17-035

DRN. BY: PPK

CKD. BY: CFB

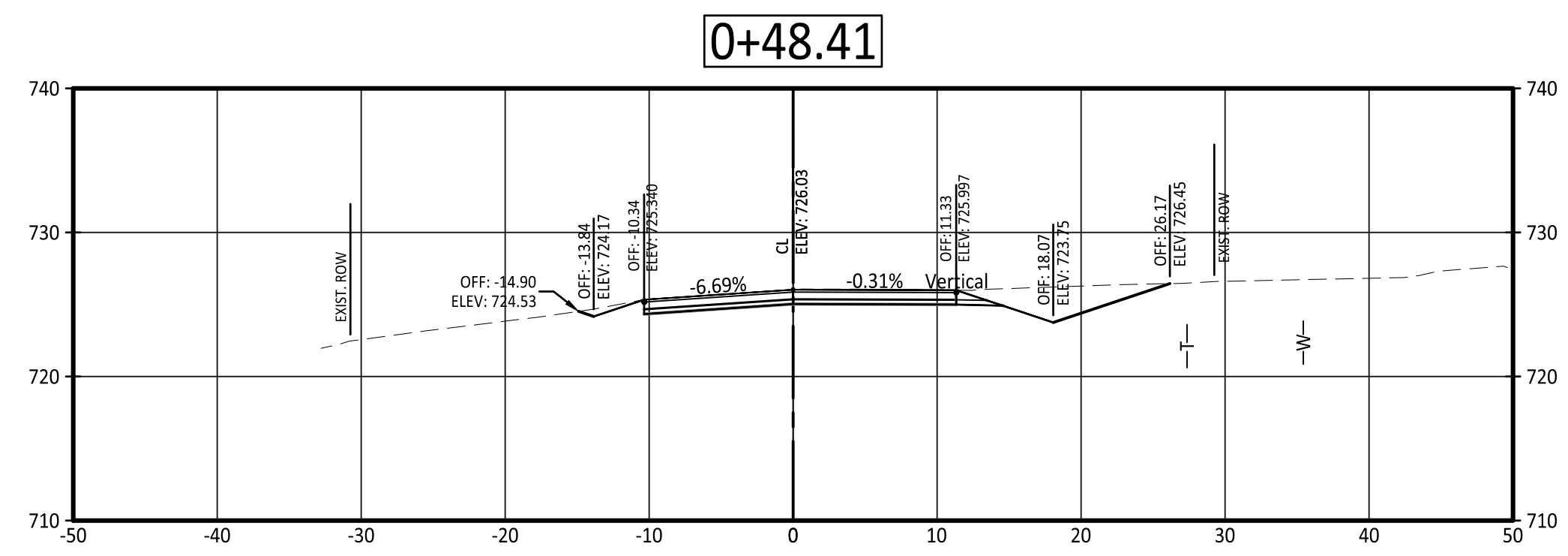
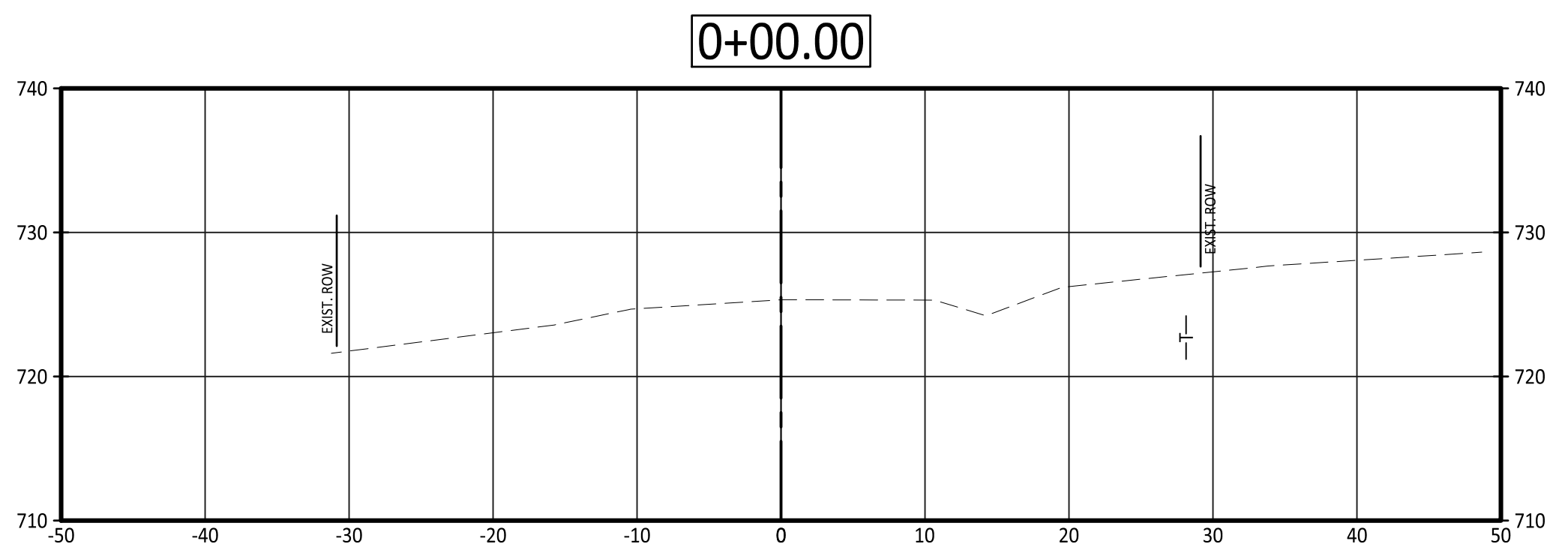
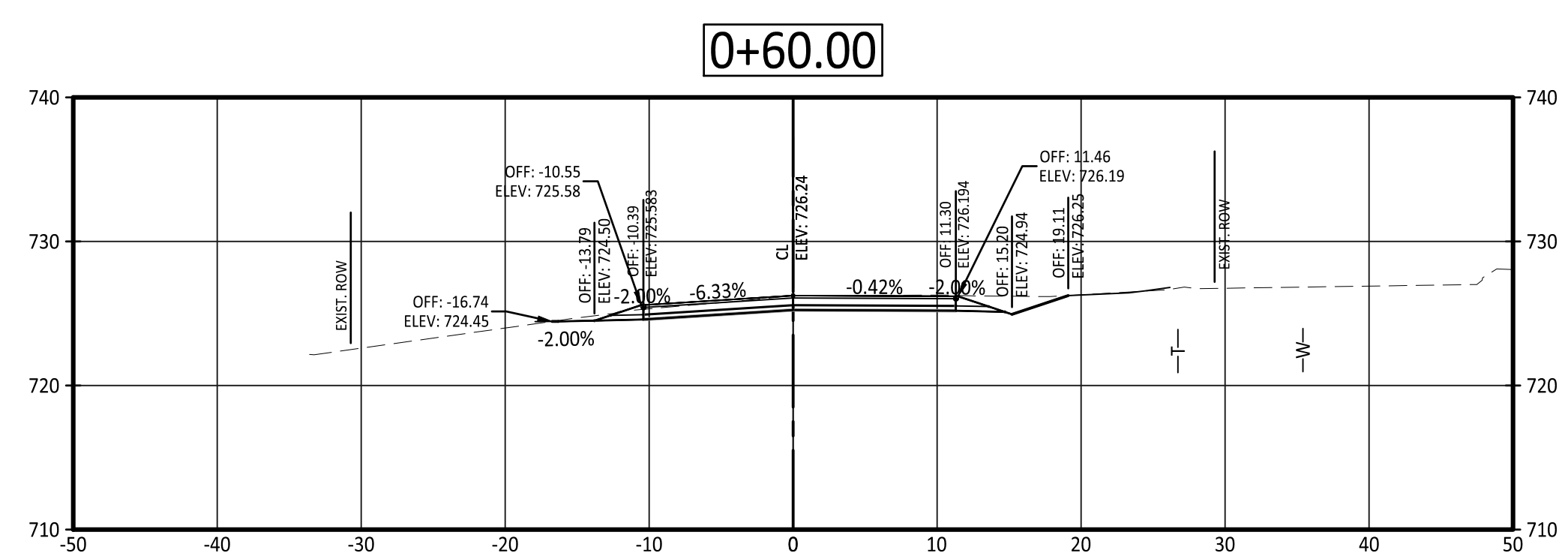
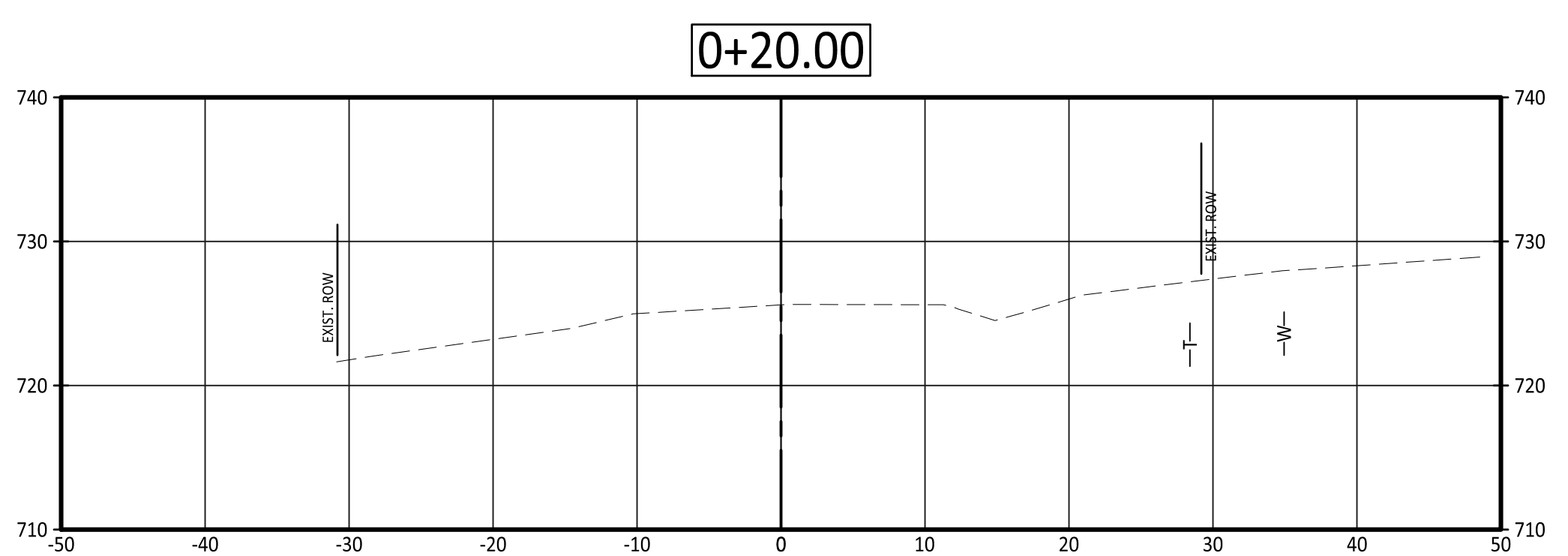
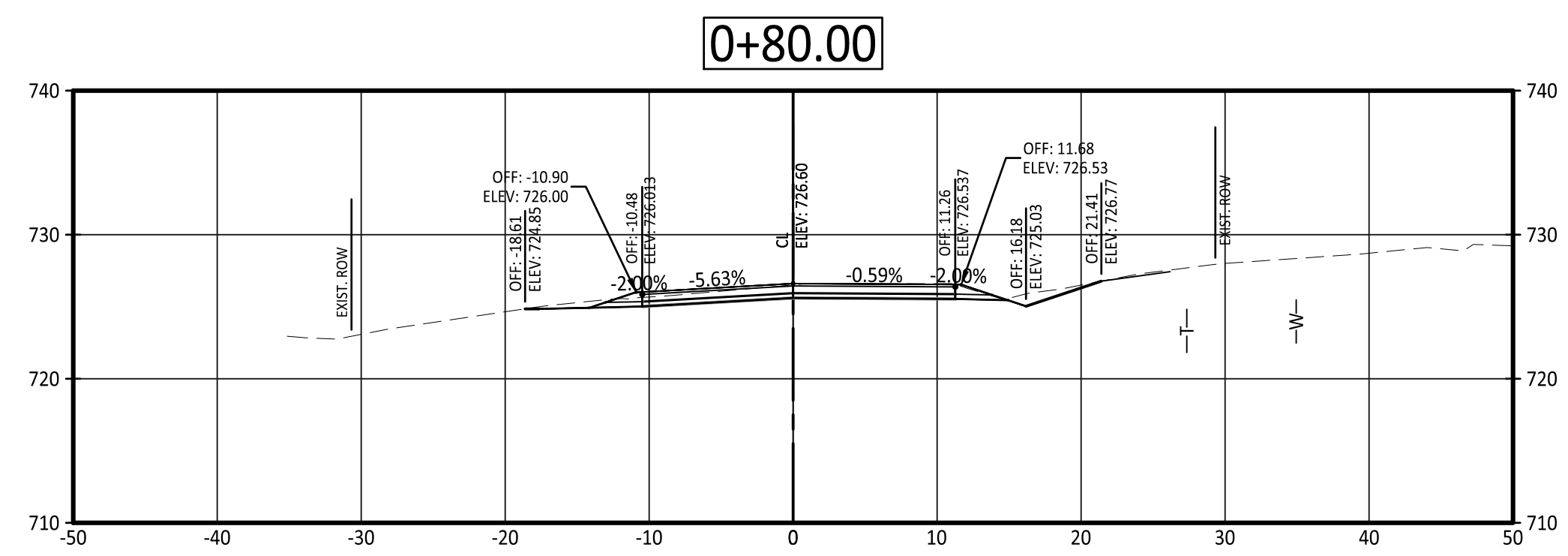
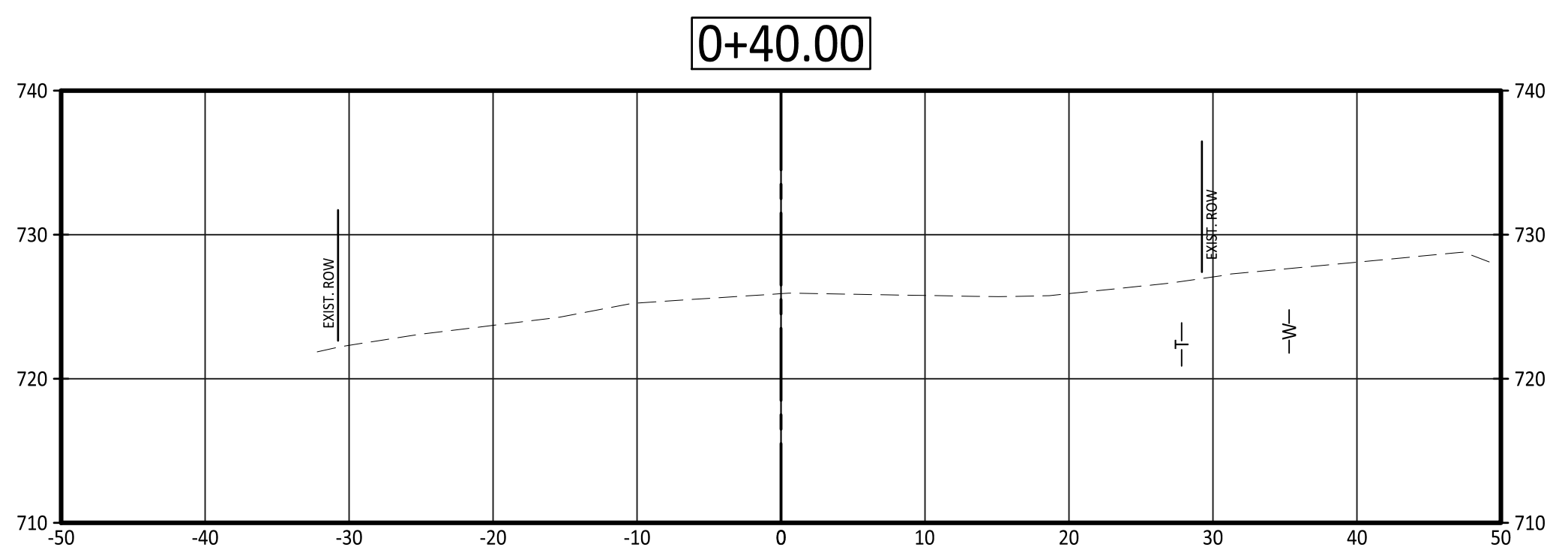
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SHEET TITLE
CROSS SECTIONS

SHEET NUMBER

1

OF 13 SHEETS



UTILITIES SHOWN ON CROSS SECTIONS ARE FOR APPROXIMATE HORIZONTAL LOCATION ONLY.

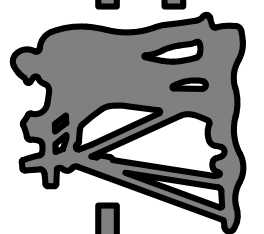
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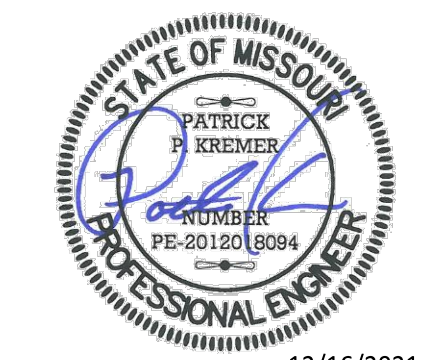
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 MO# PE-2012018094

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 IMPROVEMENTS, PROJECT # 2022-601-1
 COLE COUNTY PUBLIC WORKS

TANNER BRIDGE ROAD
 COLE COUNTY, MISSOURI

CMPS JOB No. 17-035

DRN. BY: PPK CKD. BY: CFB

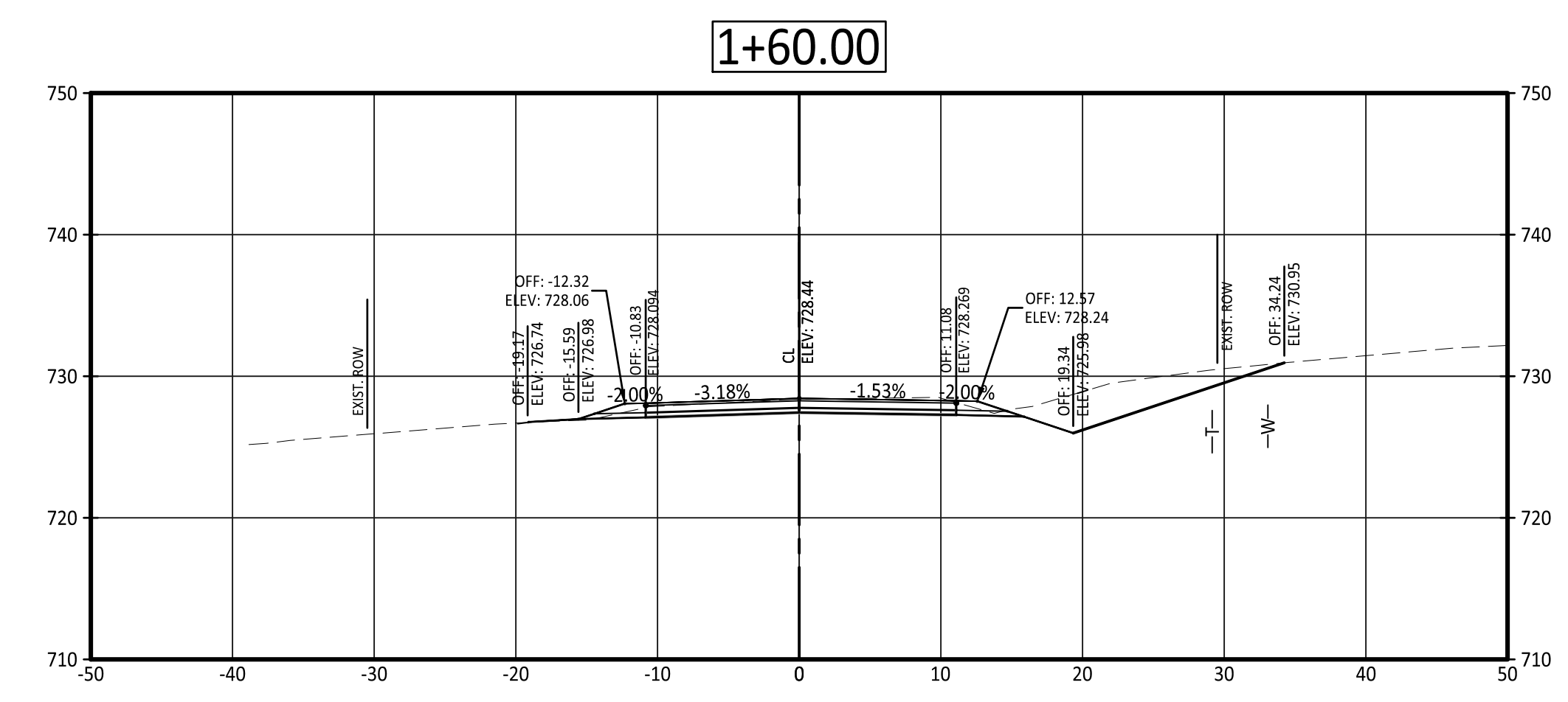
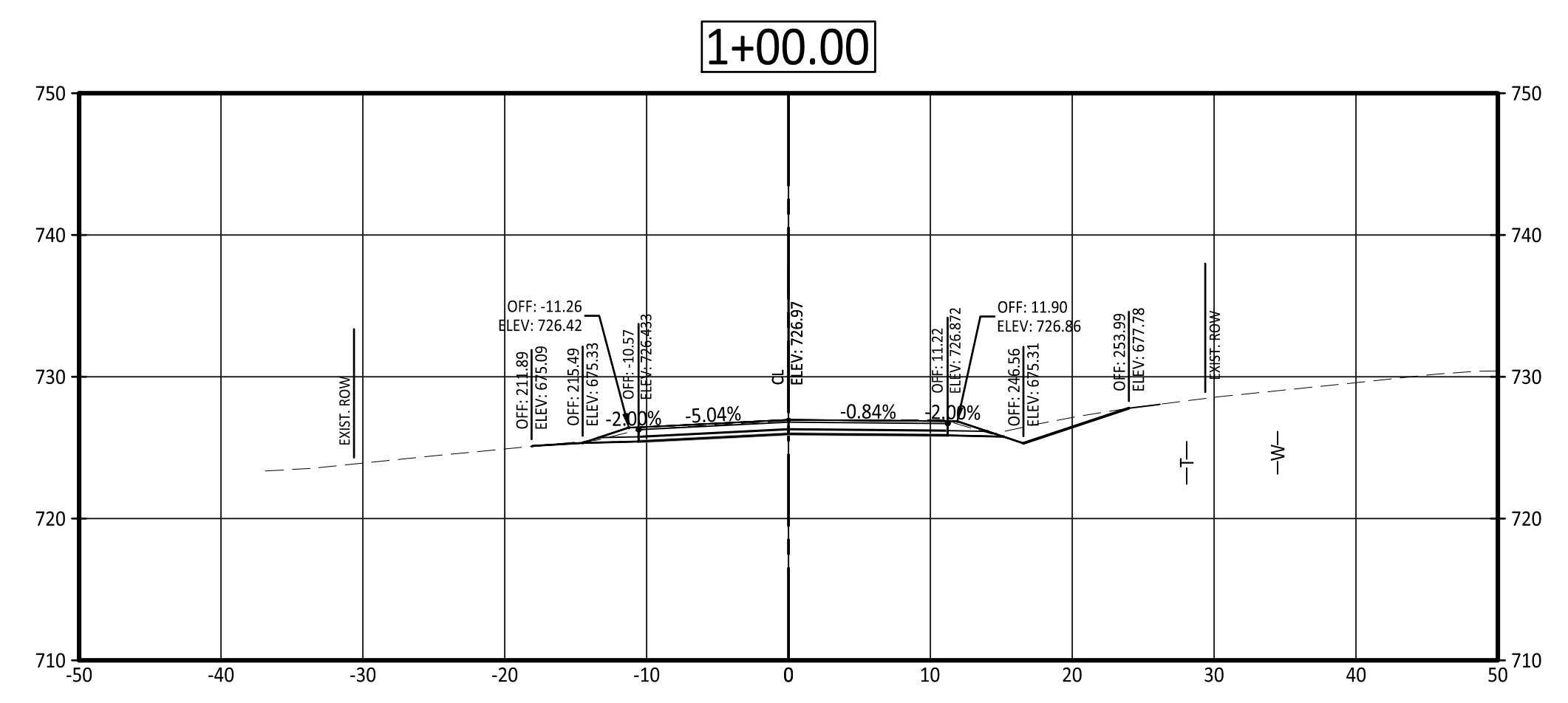
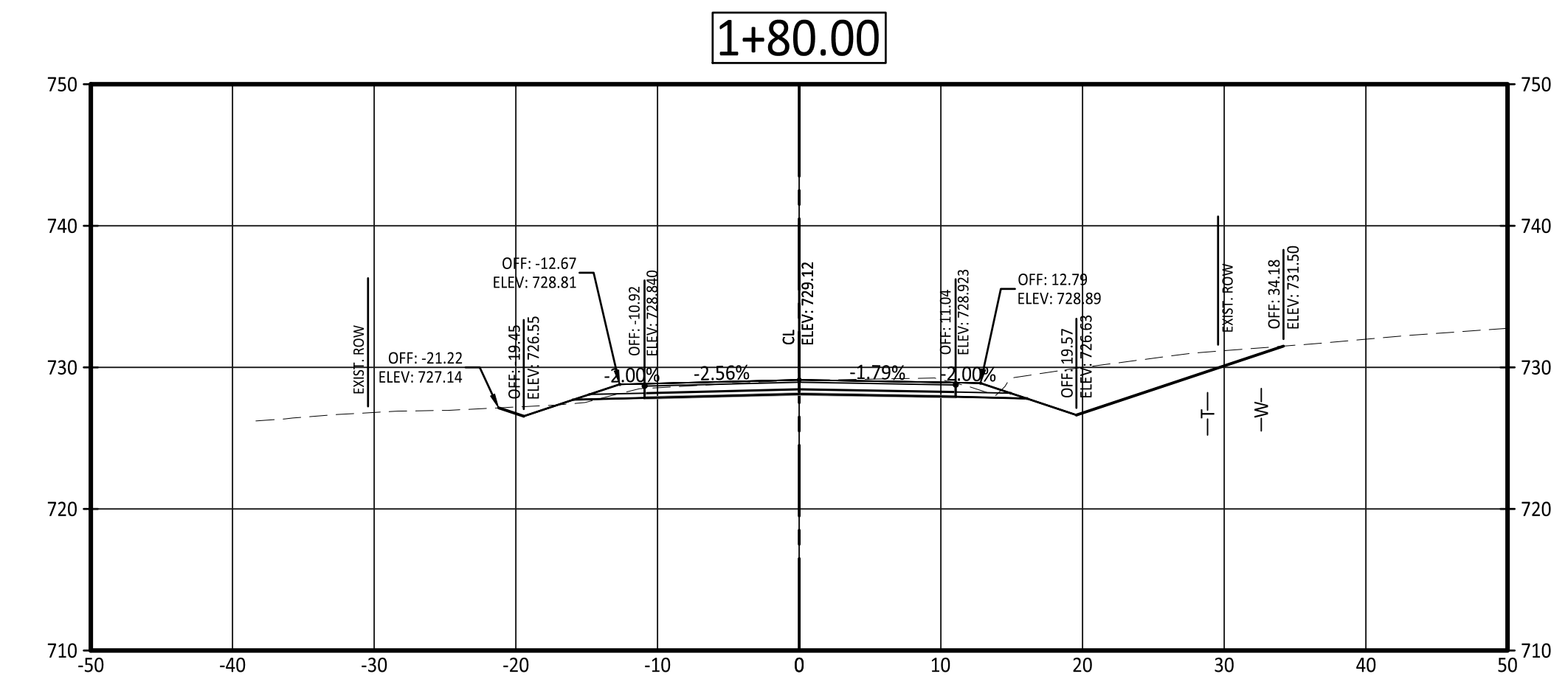
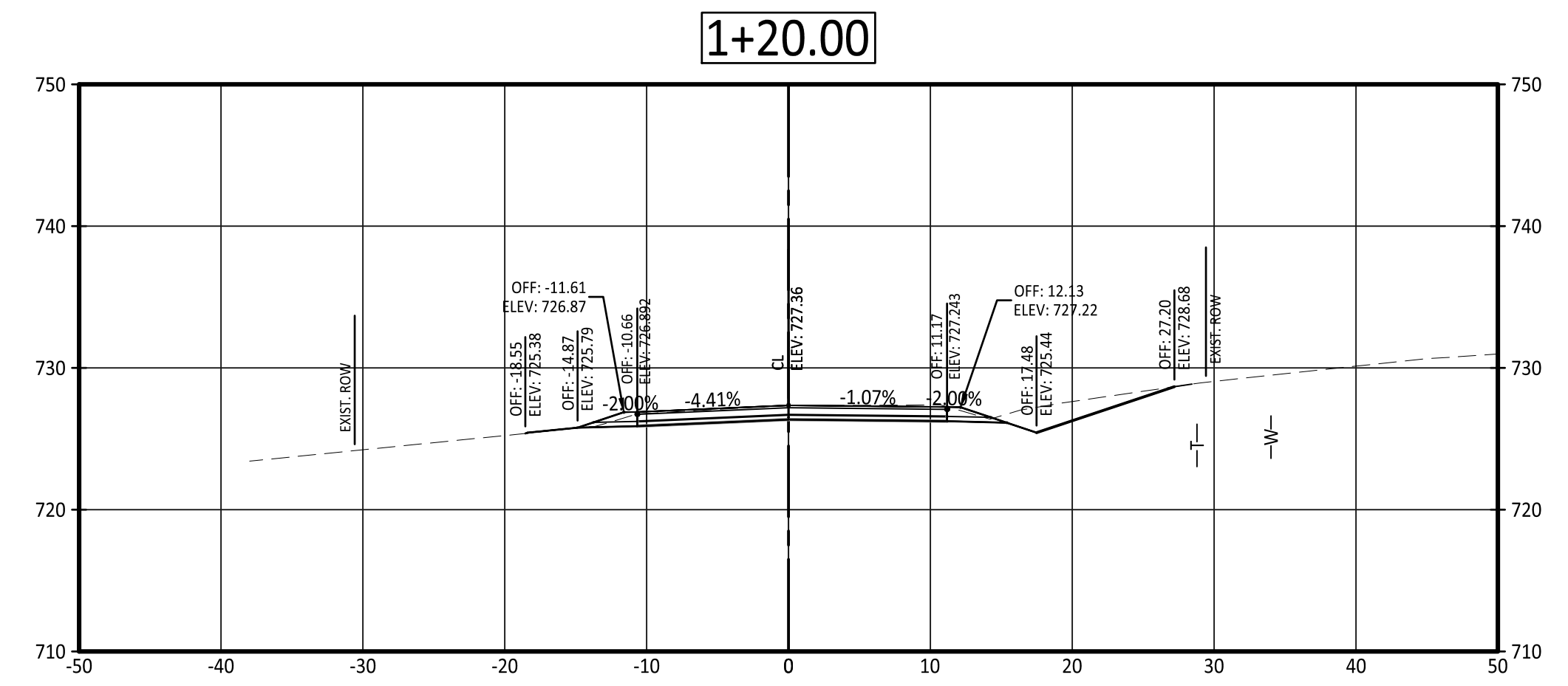
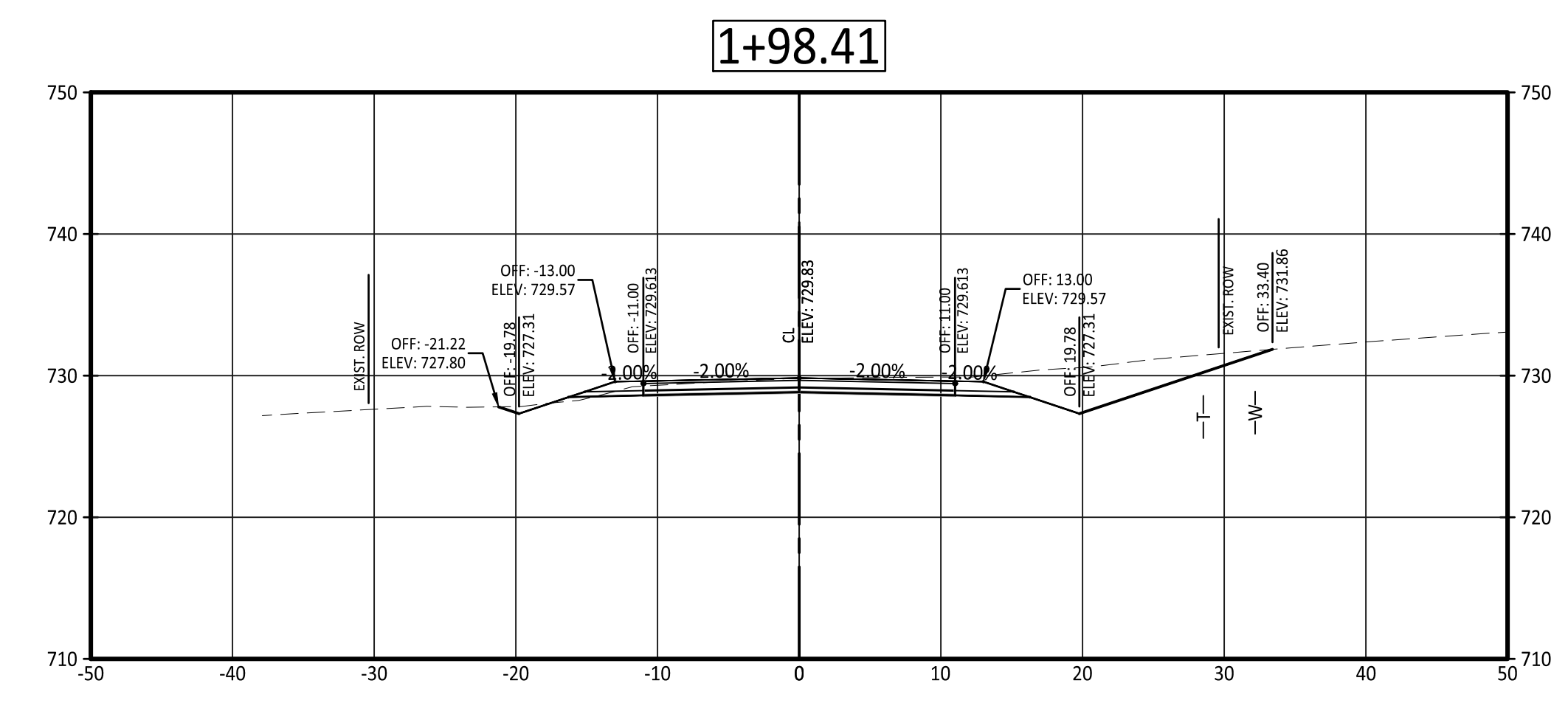
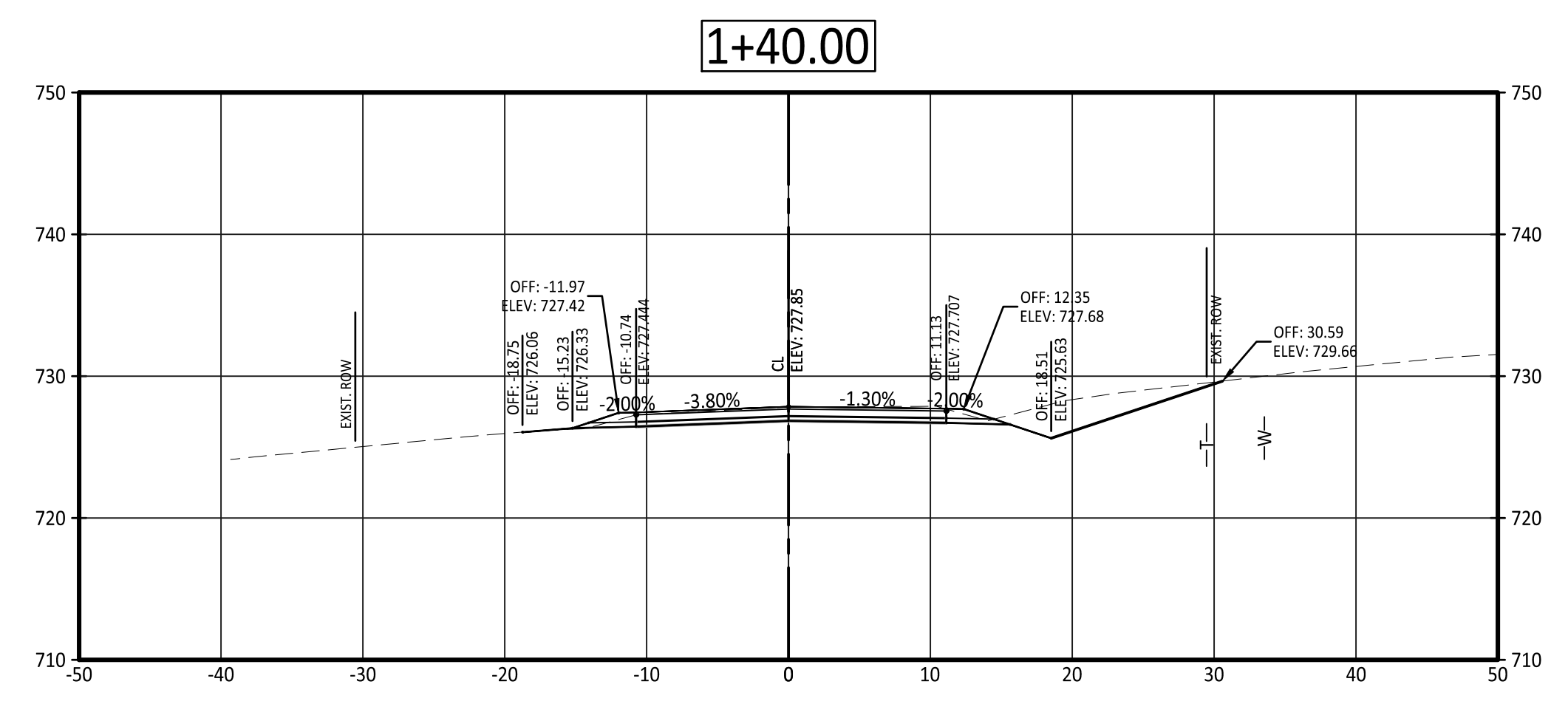
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CROSS SECTIONS

SHEET NUMBER

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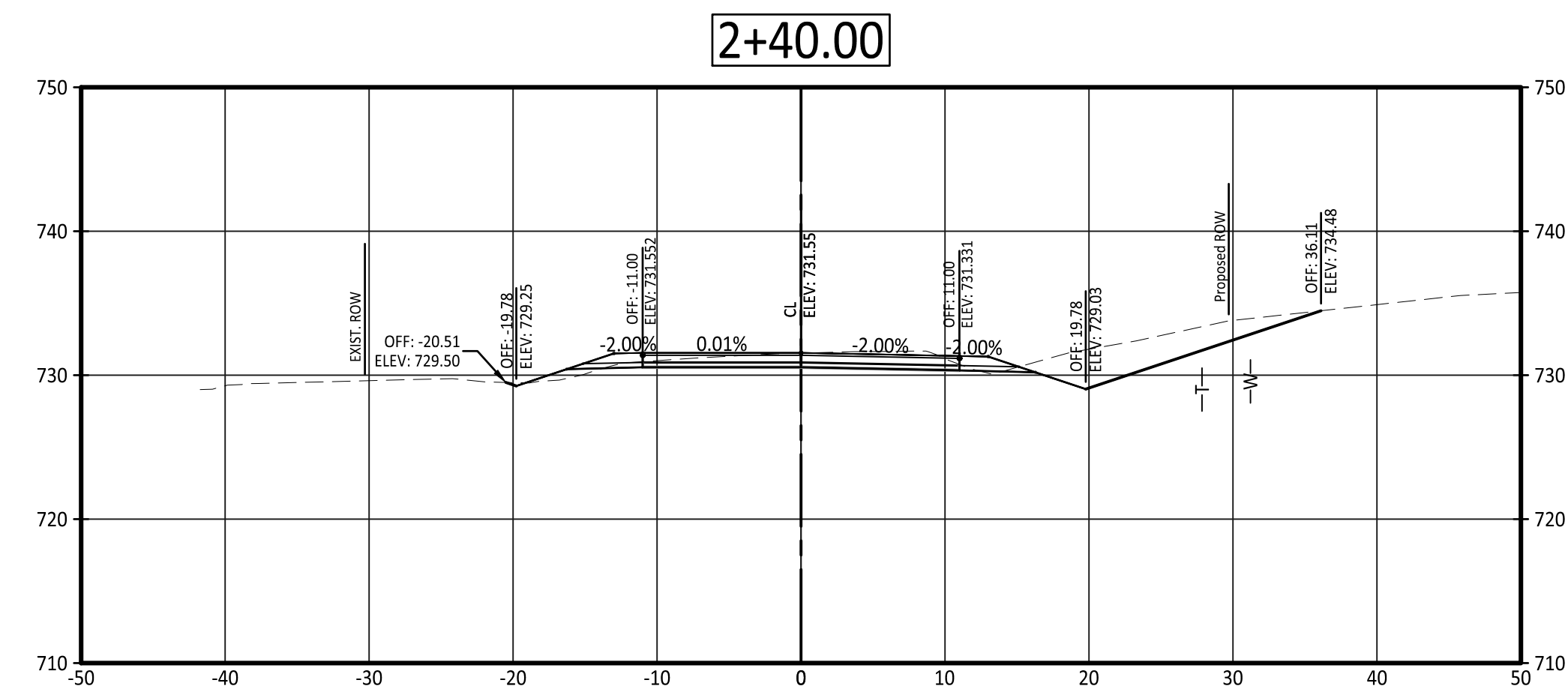
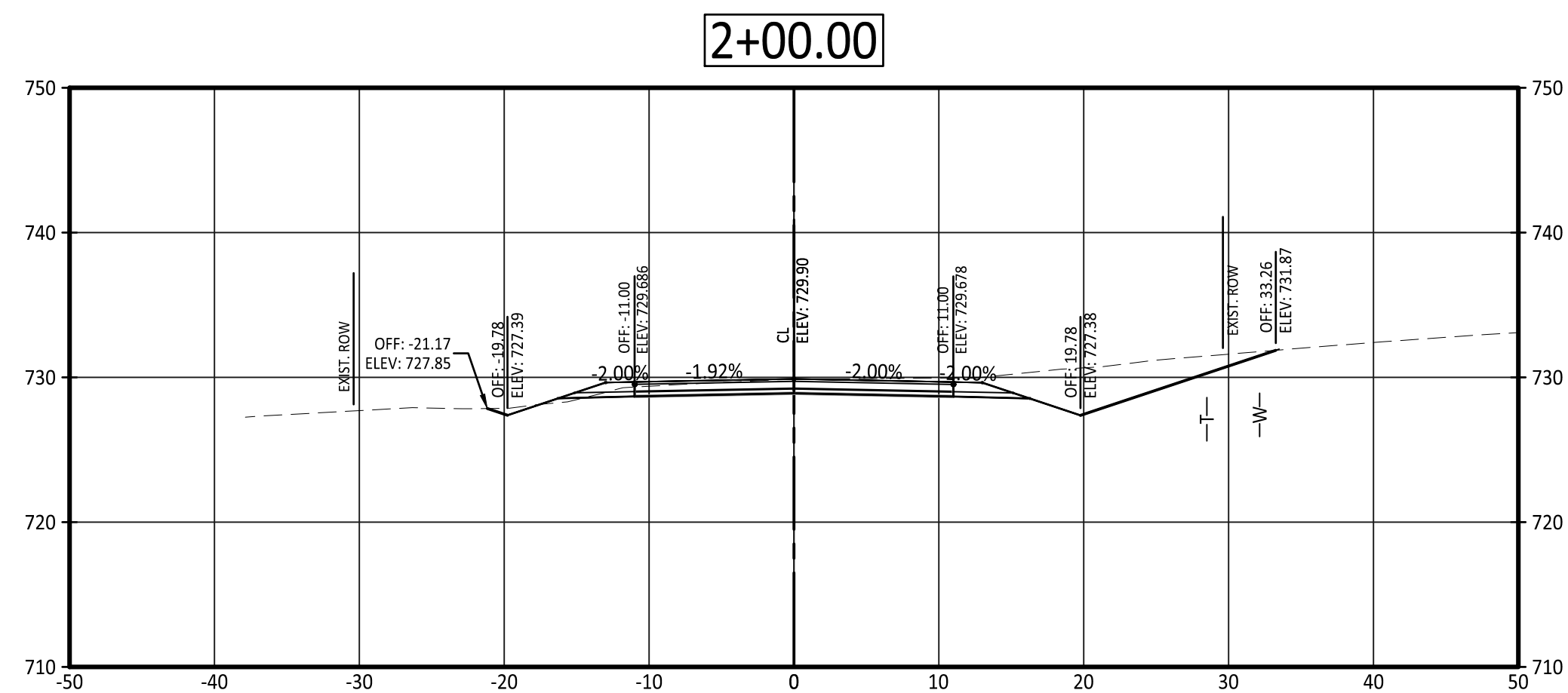
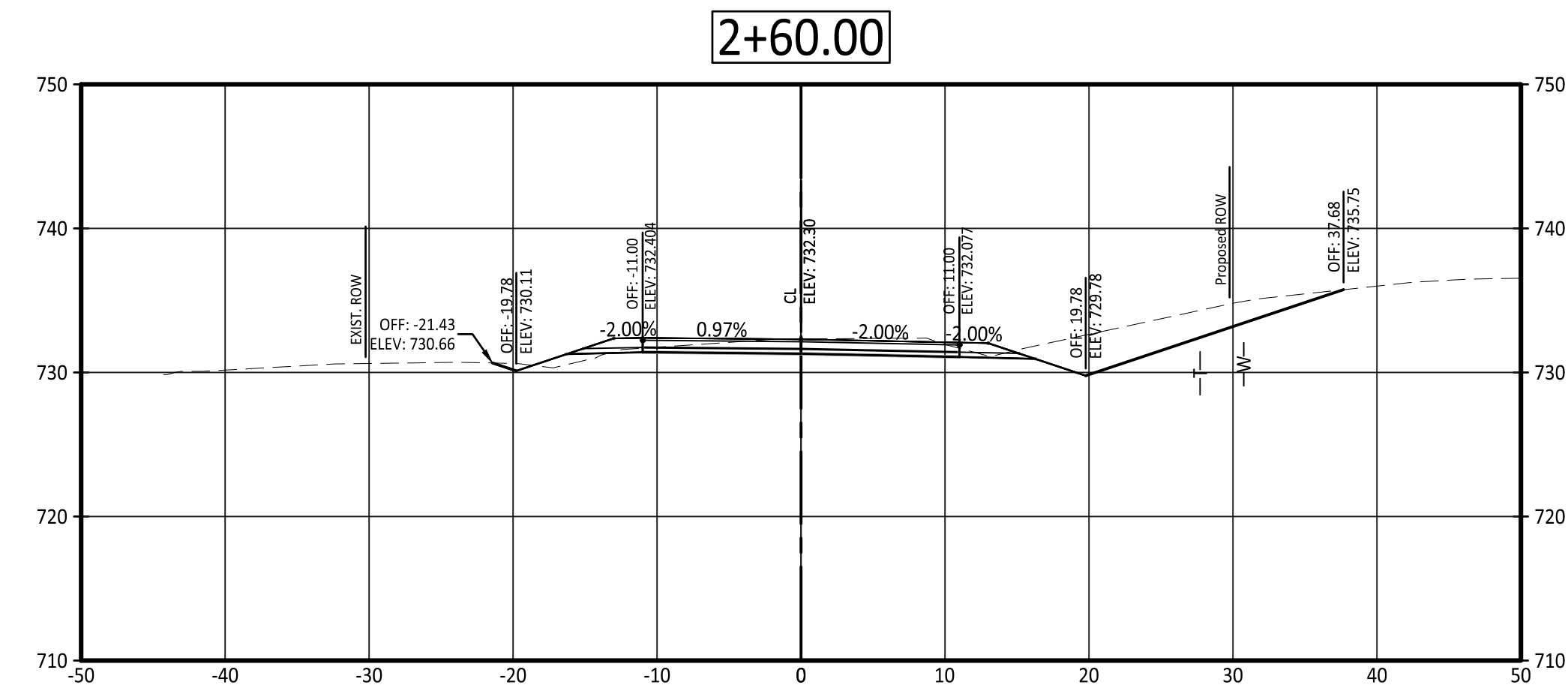
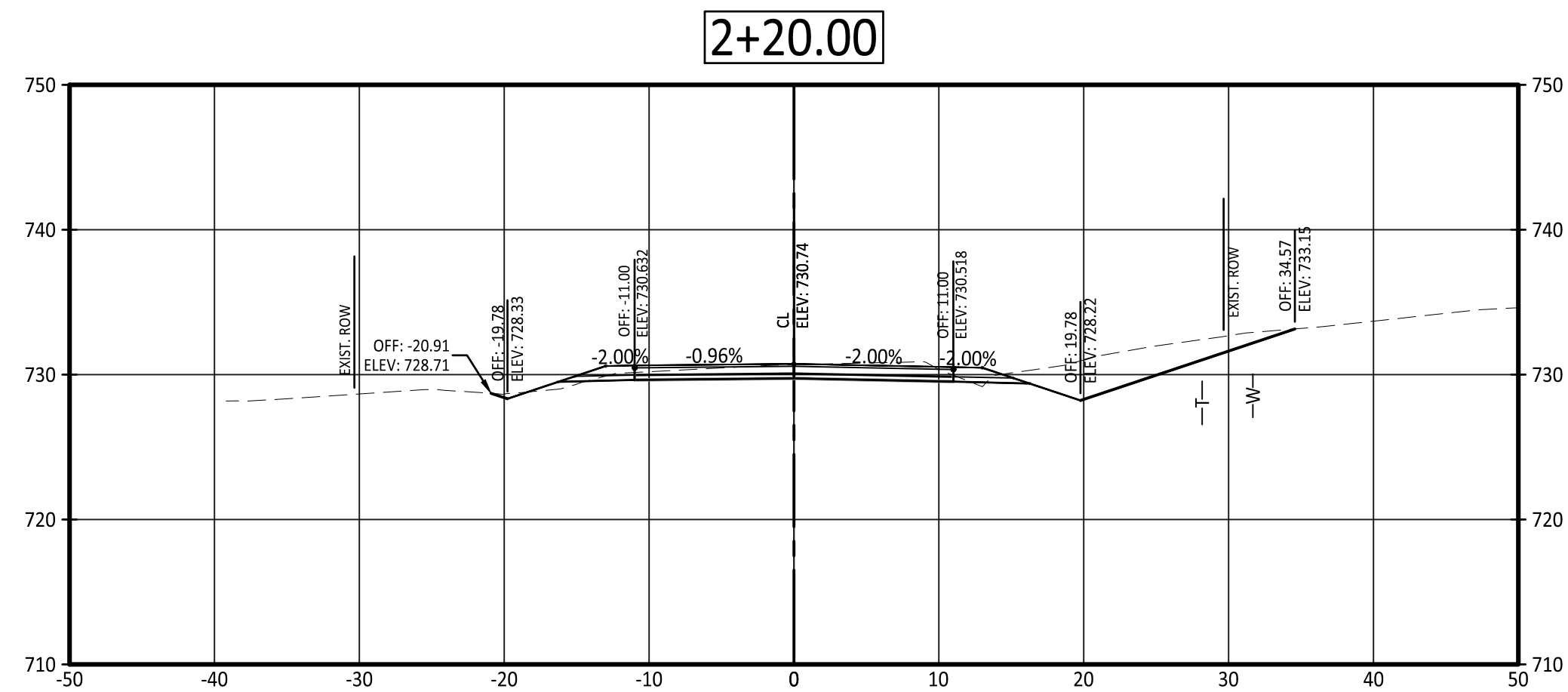
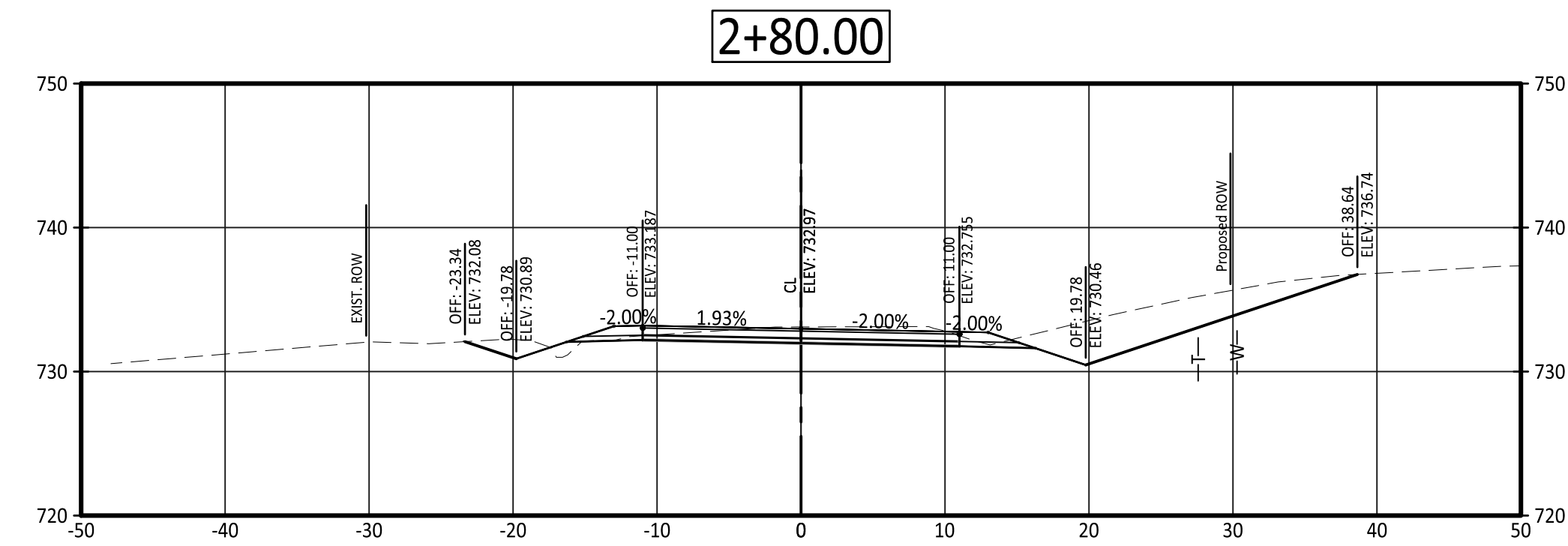
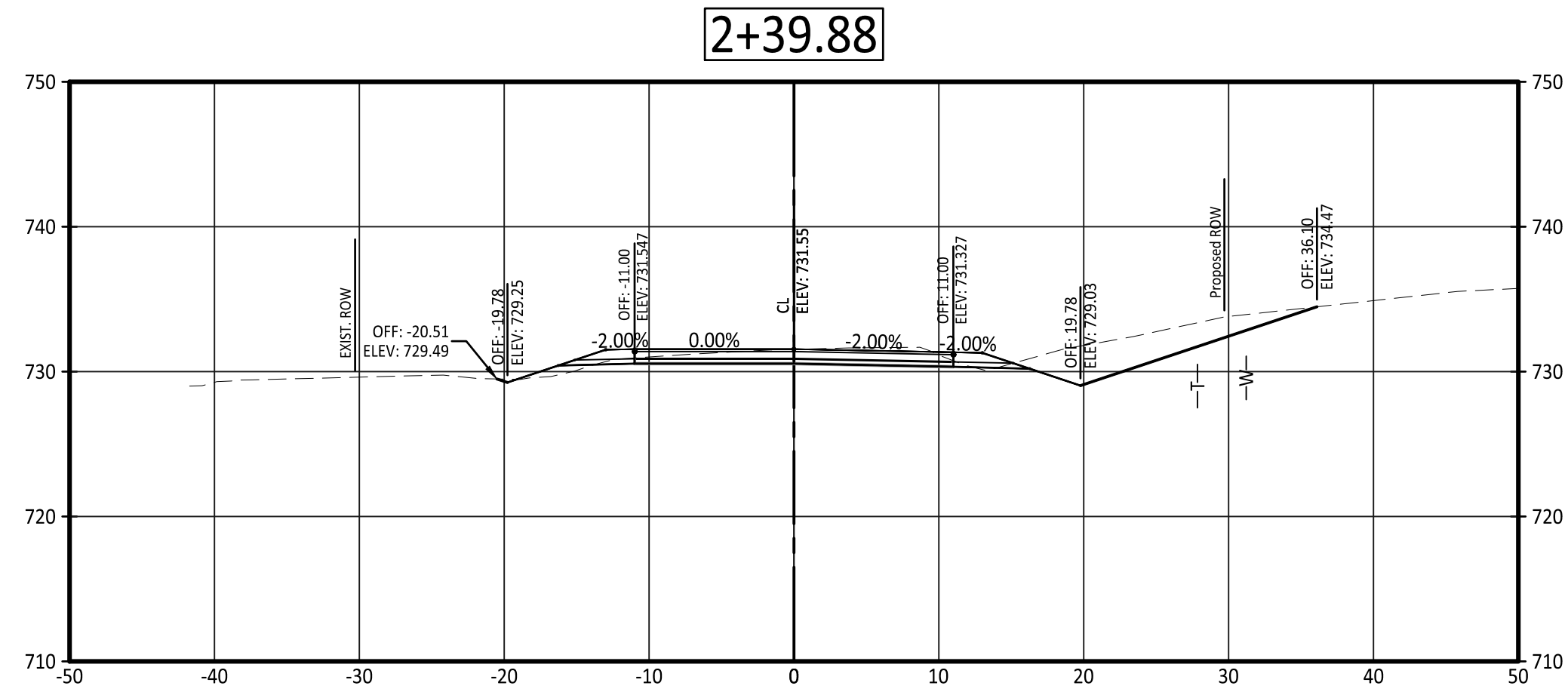


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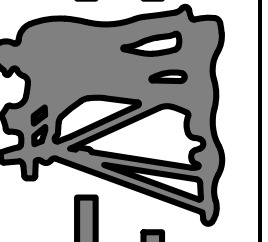


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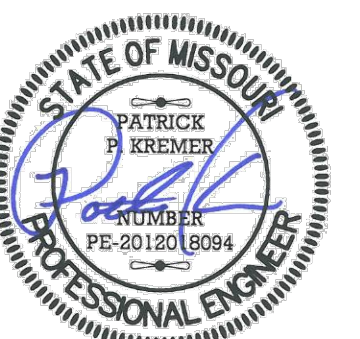
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12/16/2021

Patrick P. Kremer, PE - Engineer
MO# PE-2012018094

TANNER BRIDGE ROAD ALIGNMENT
IMPROVEMENTS, PROJECT # 2022-601-1

COLE COUNTY PUBLIC WORKS

TANNER BRIDGE ROAD
COLE COUNTY, MISSOURI

CMPS JOB No. 17-035

DRN. BY: PPK CKD. BY: CFB

SCALE: AS INDICATED

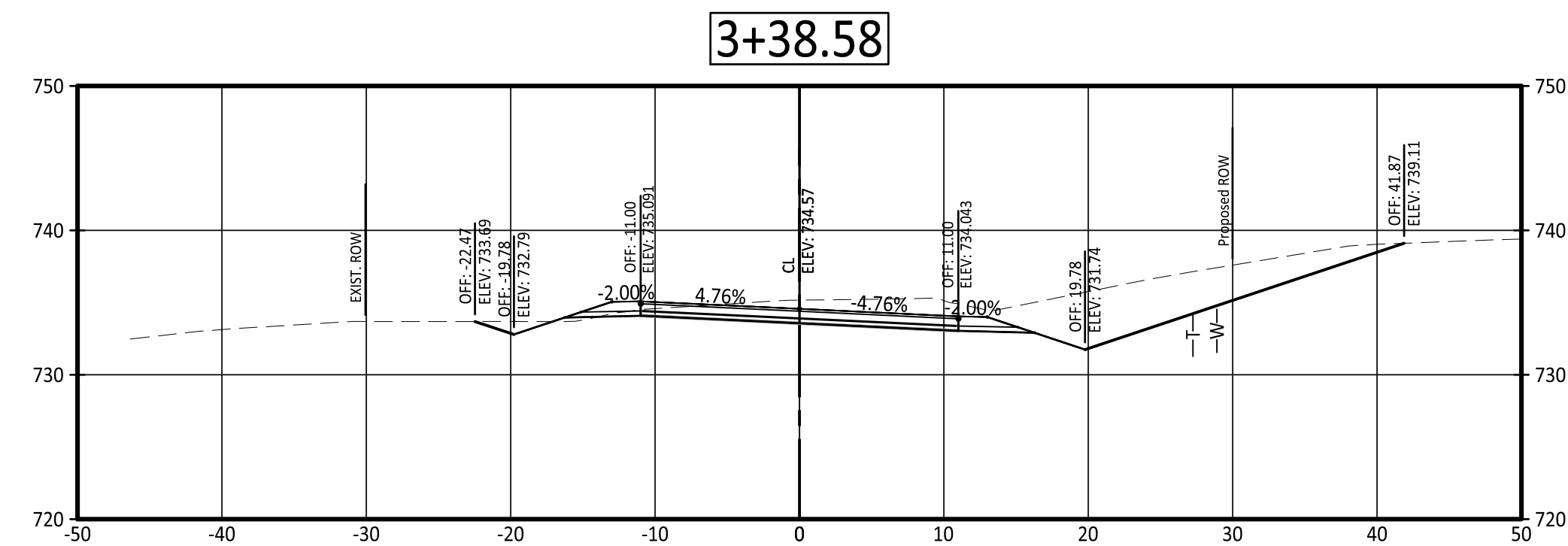
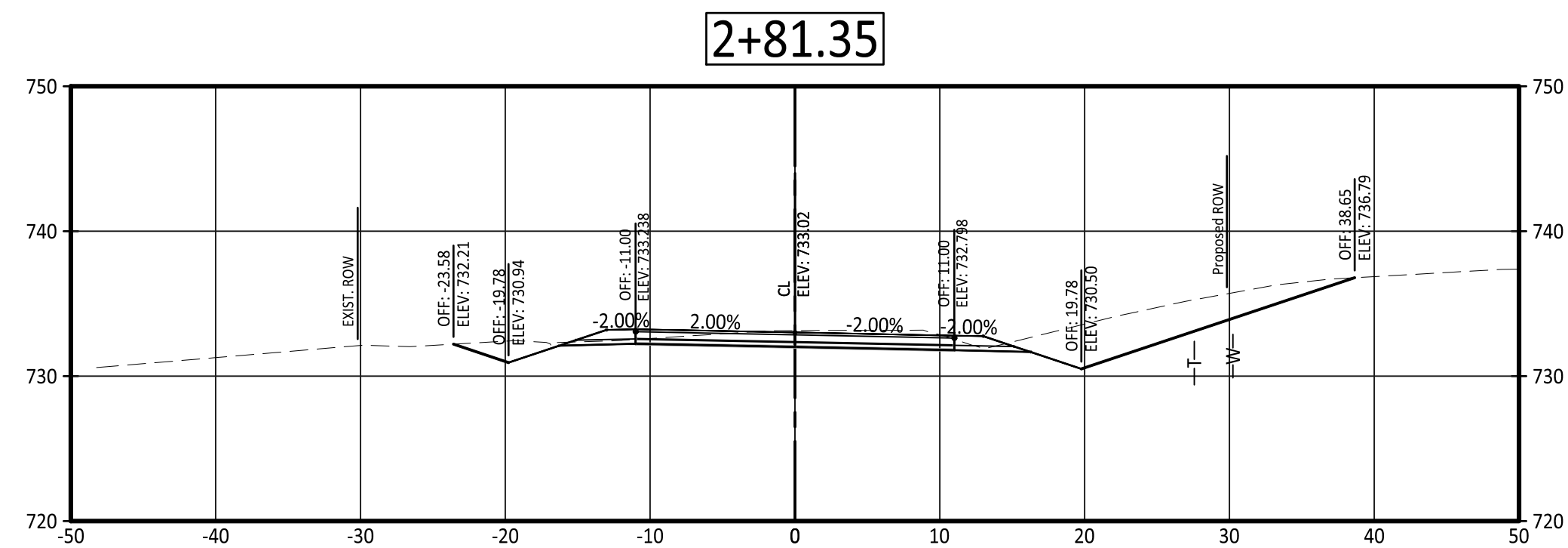
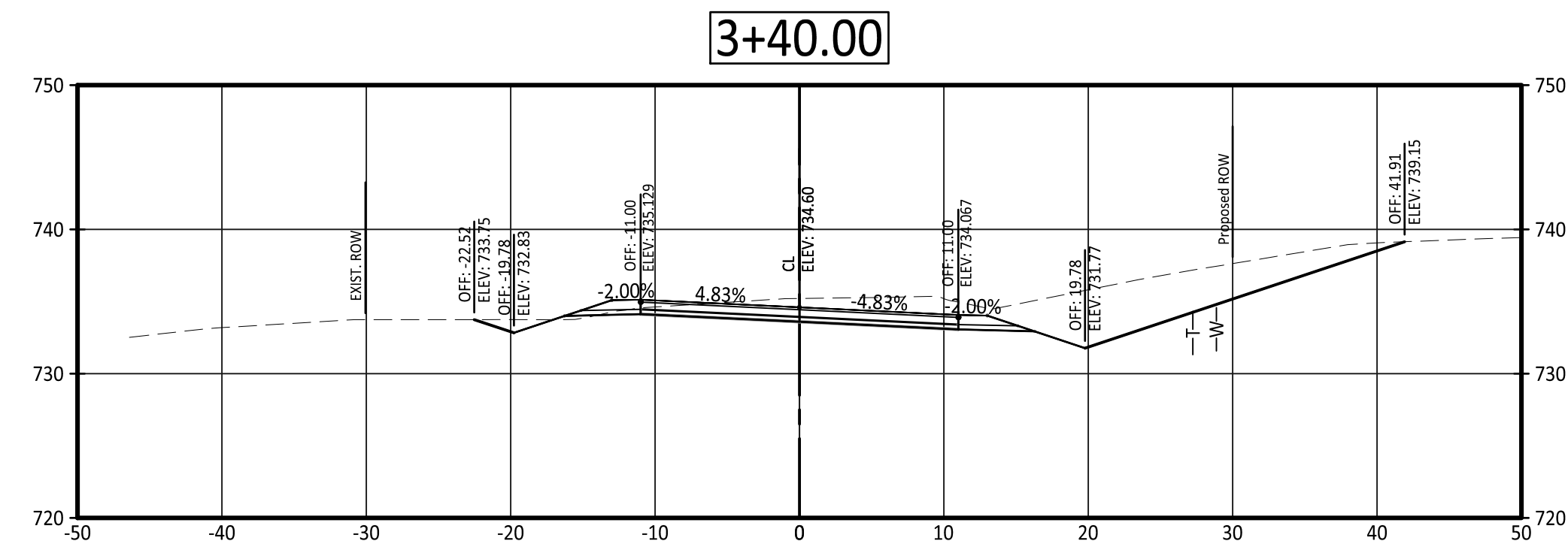
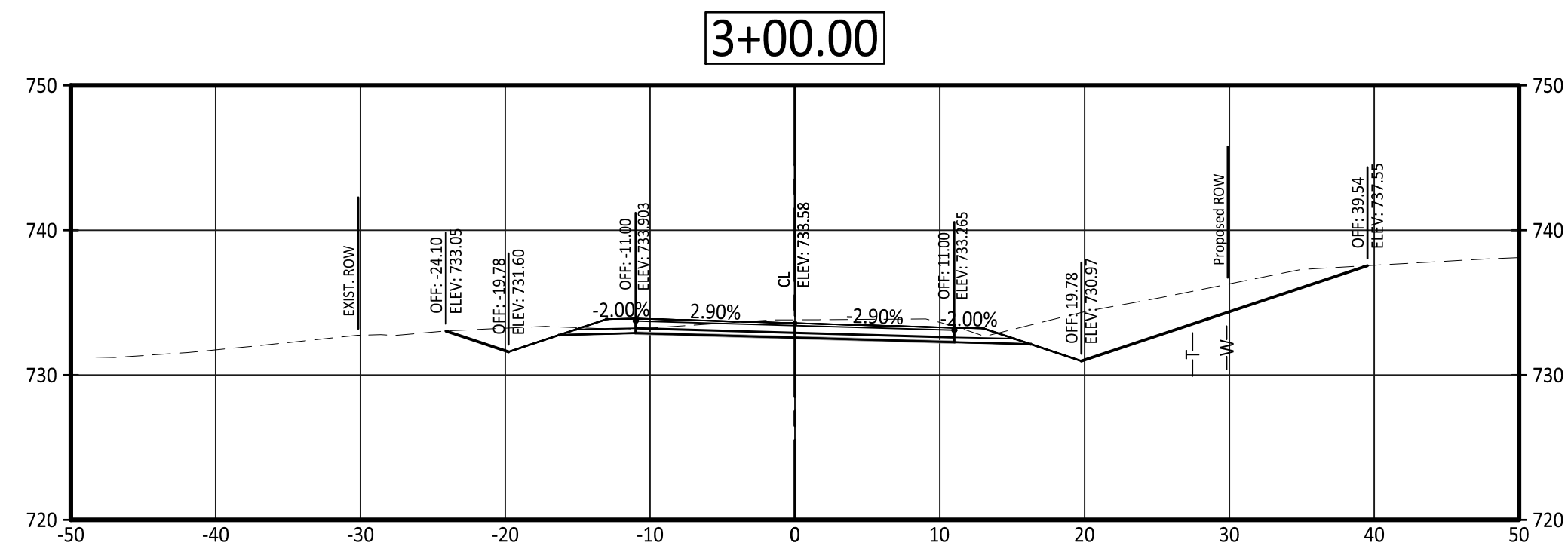
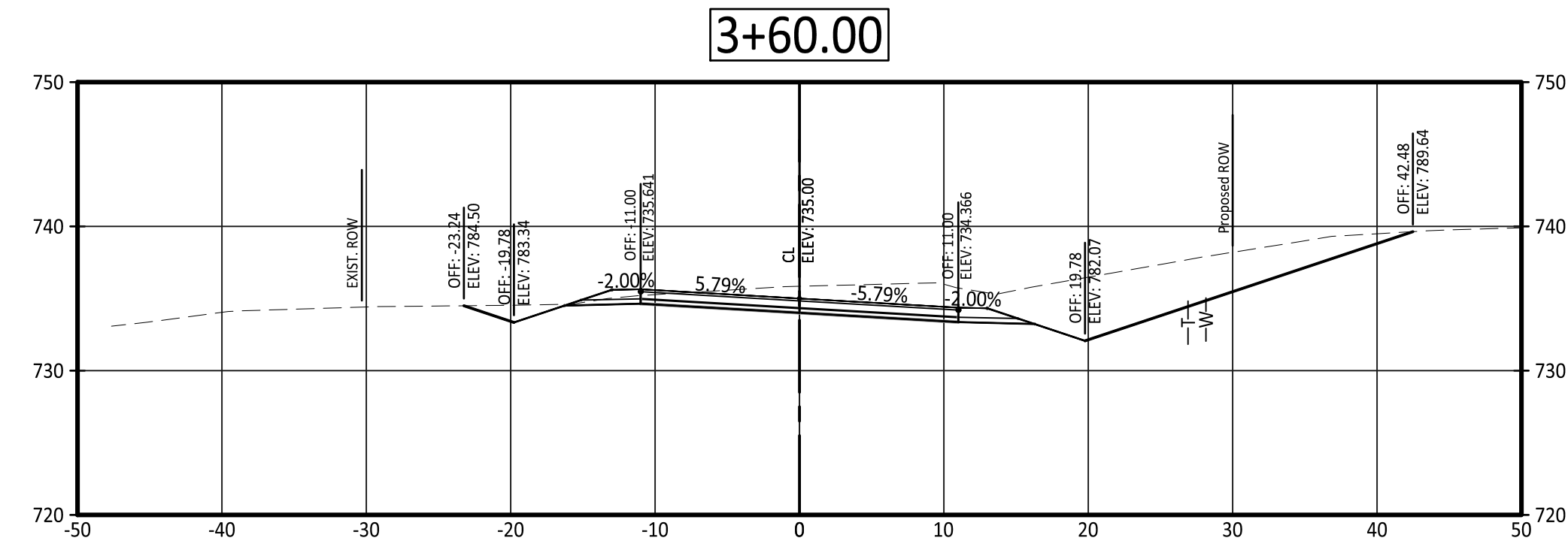
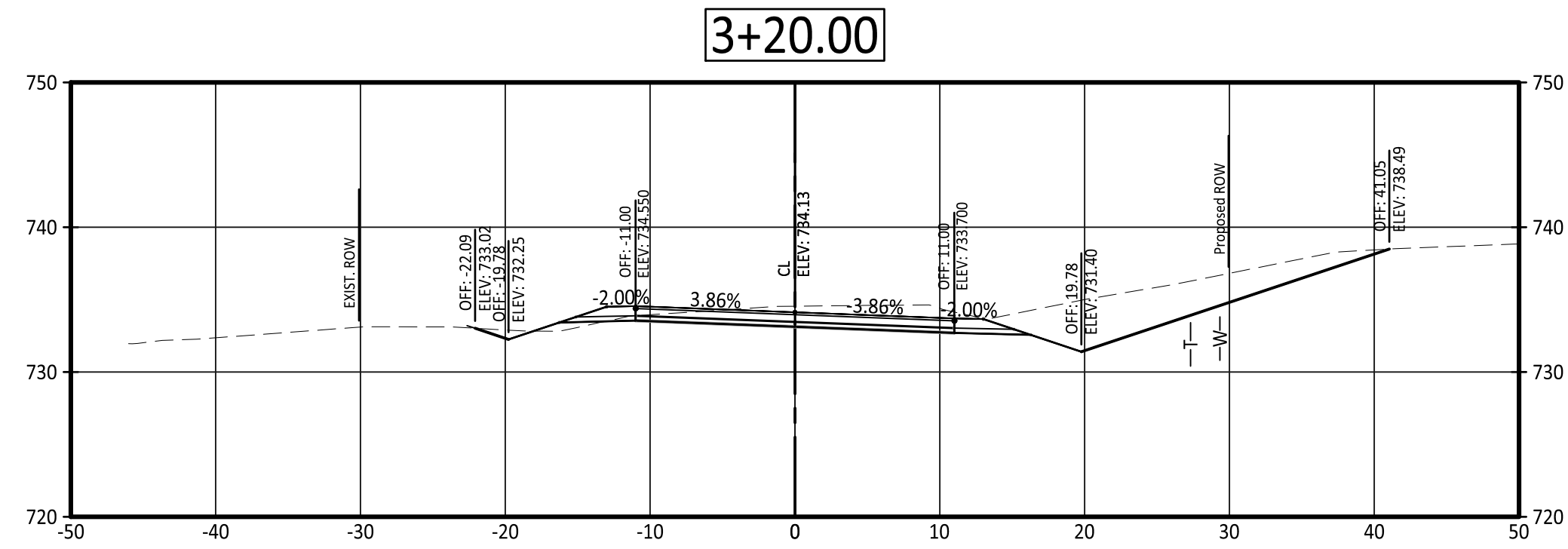
SHEET TITLE
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SHEET NUMBER

3

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PRINTS ISSUED
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REVISIONS:

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12/16/2021
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**TANNER BRIDGE ROAD ALIGNMENT
IMPROVEMENTS, PROJECT # 2022-601-1
COLE COUNTY PUBLIC WORKS**

TANNER BRIDGE ROAD
COLE COUNTY, MISSOURI

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DRN. BY: PPK
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SHEET TITLE
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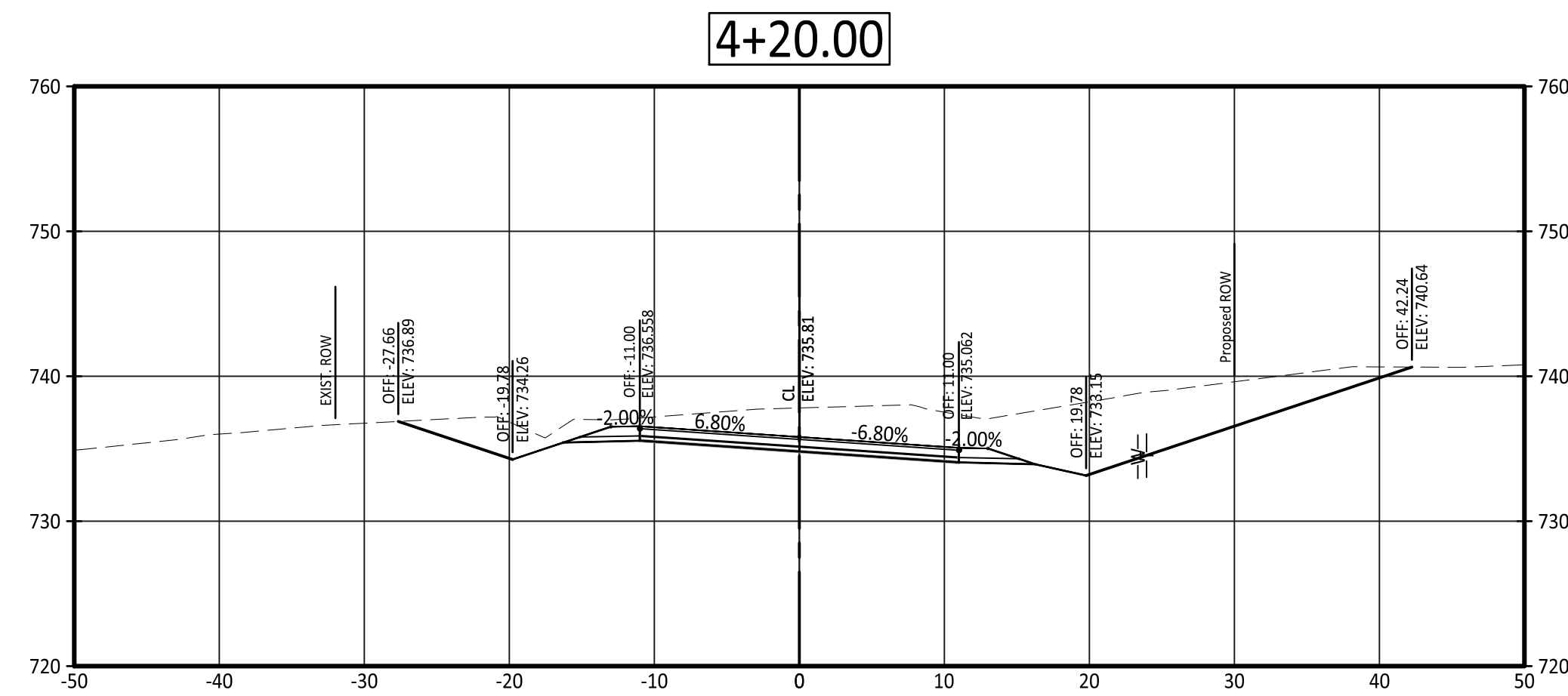
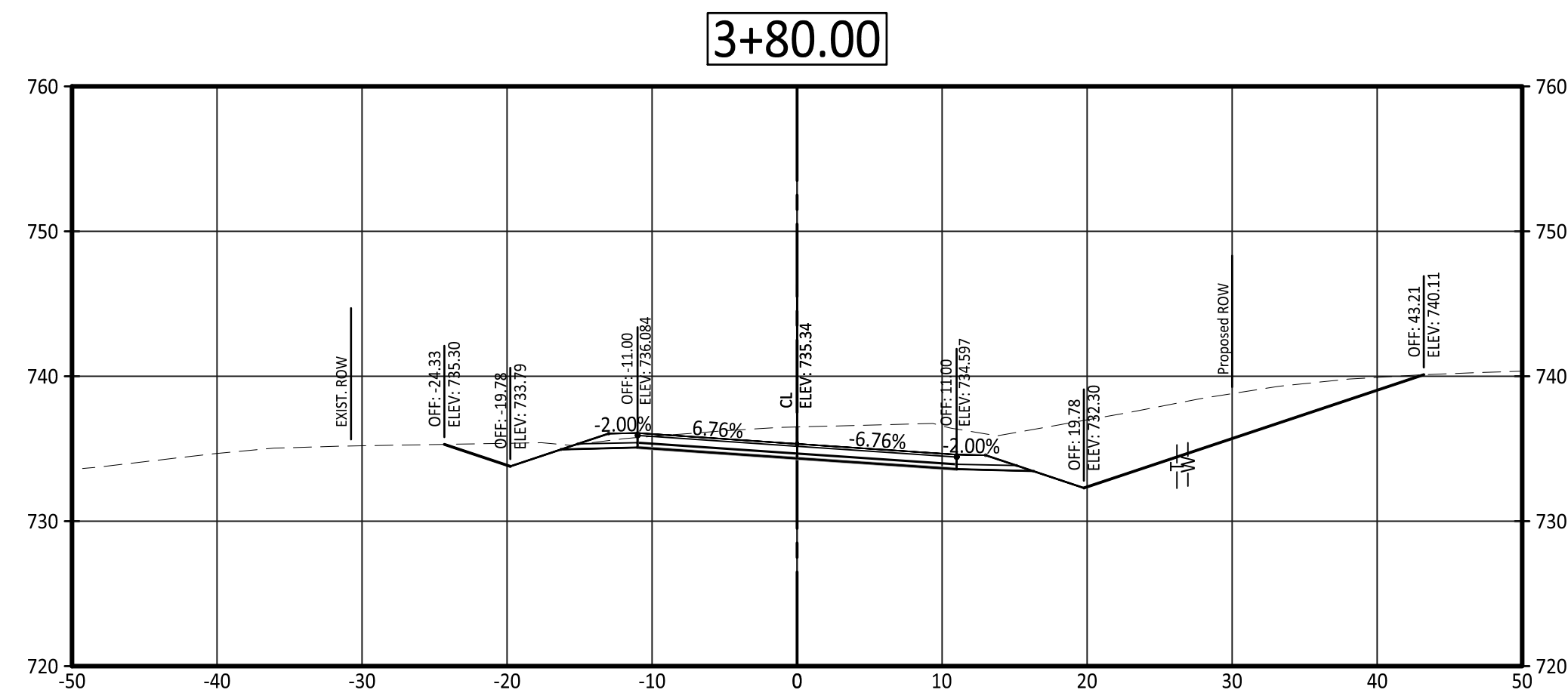
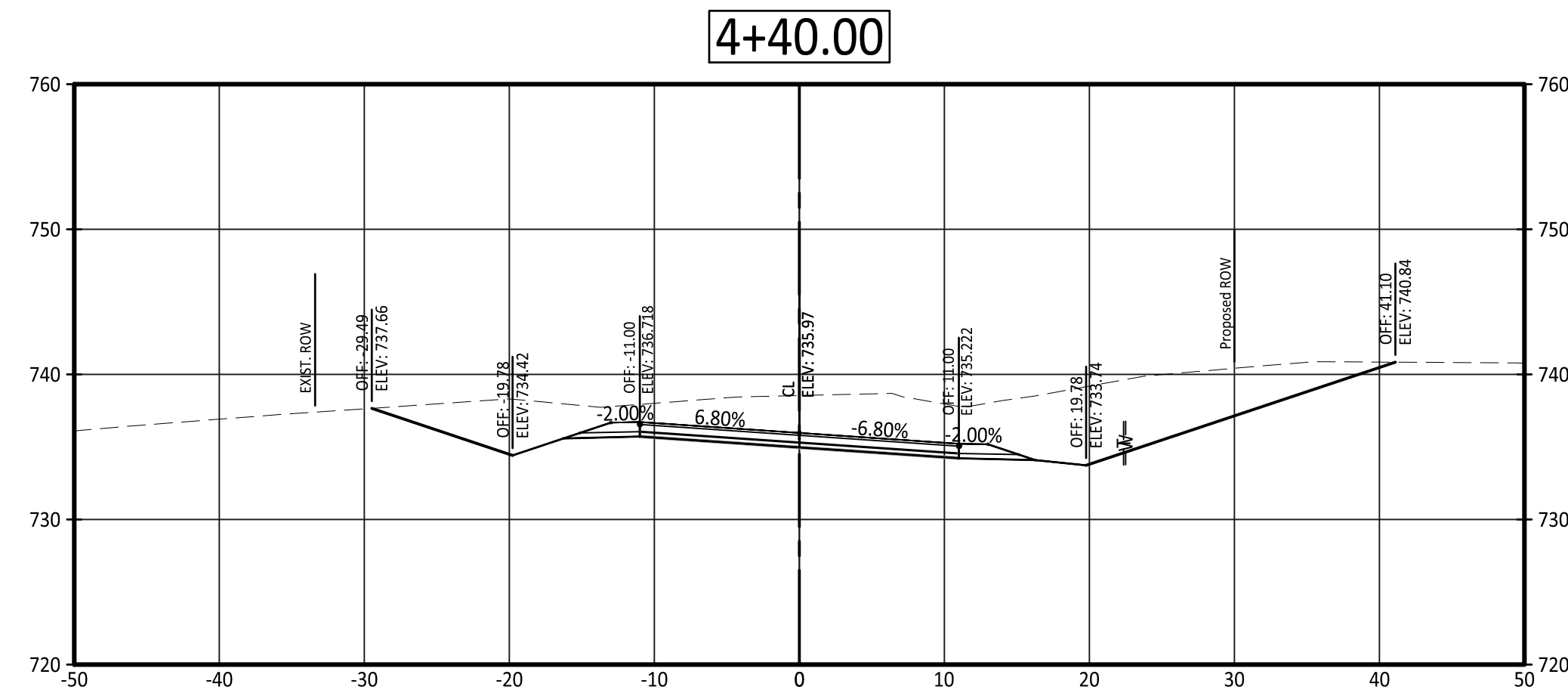
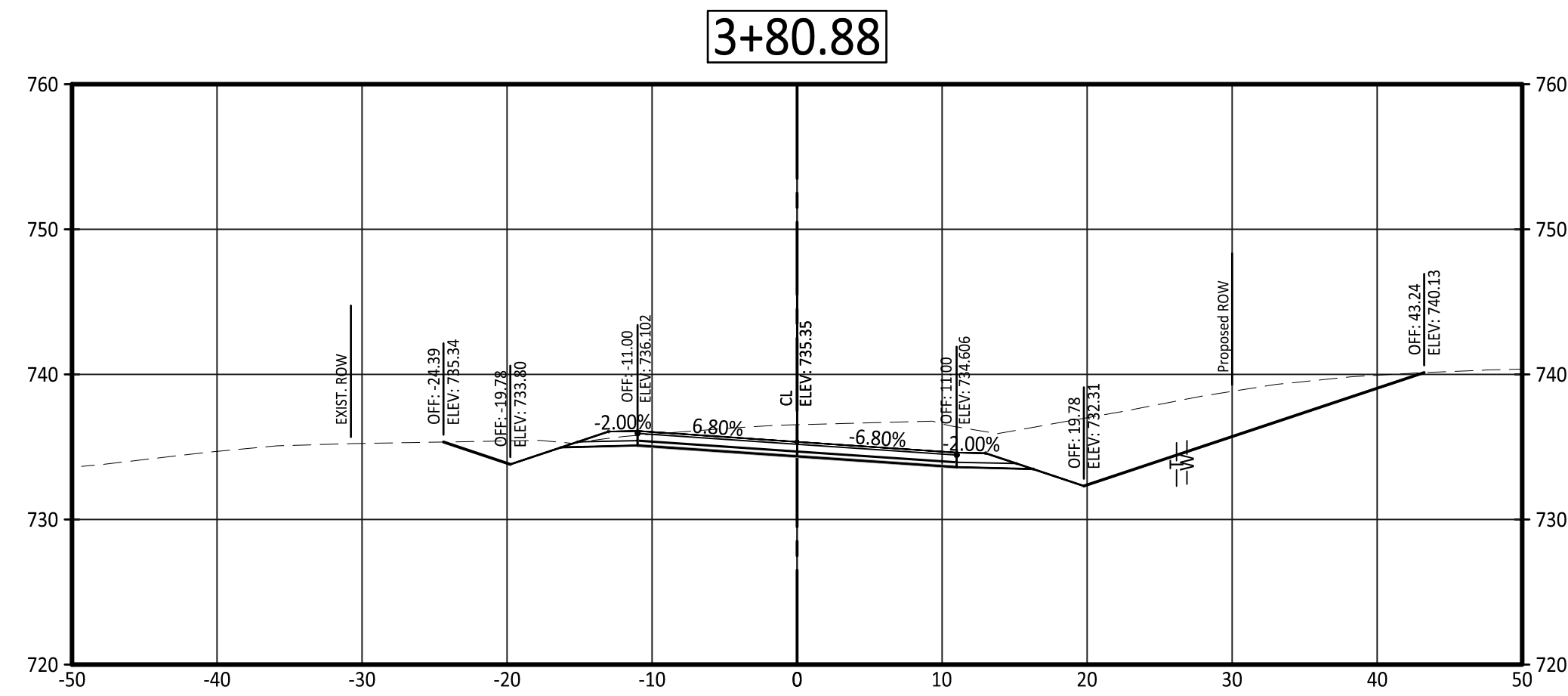
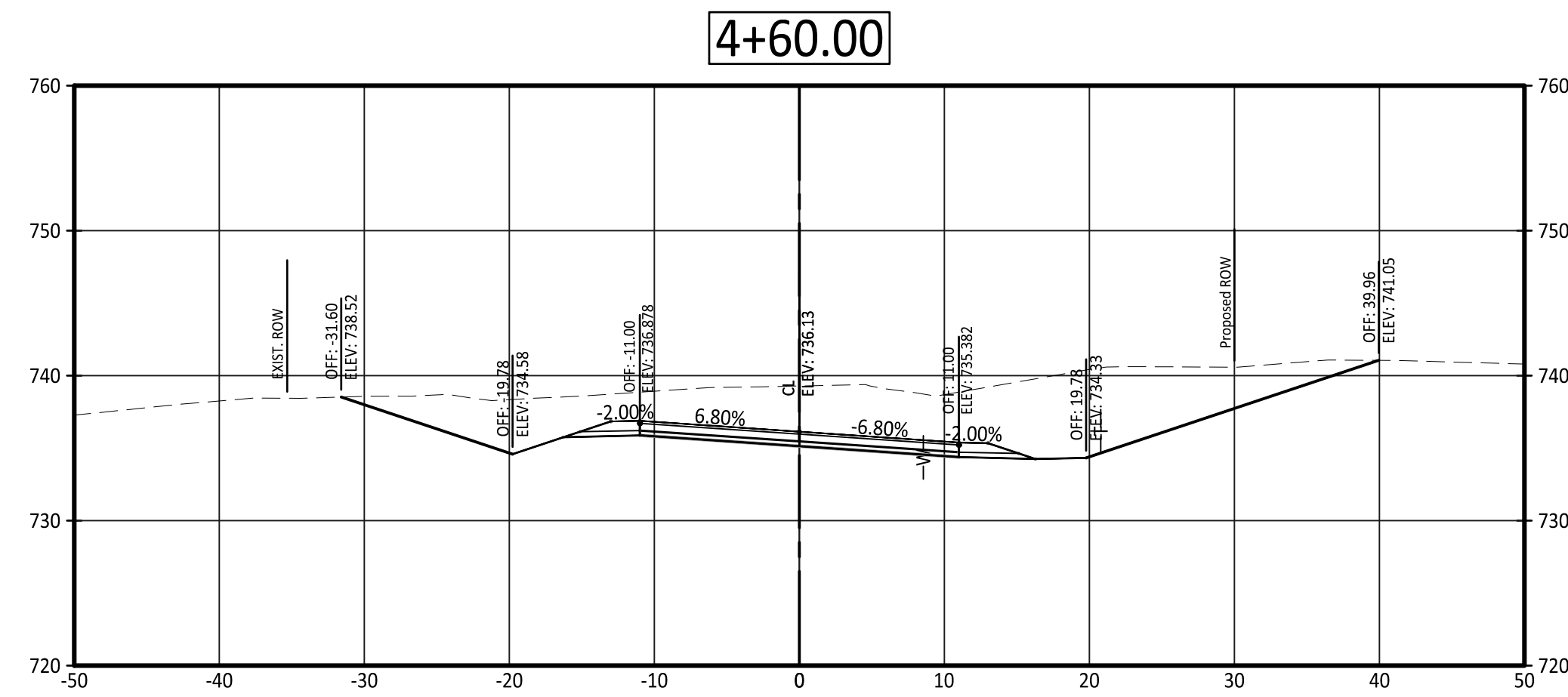
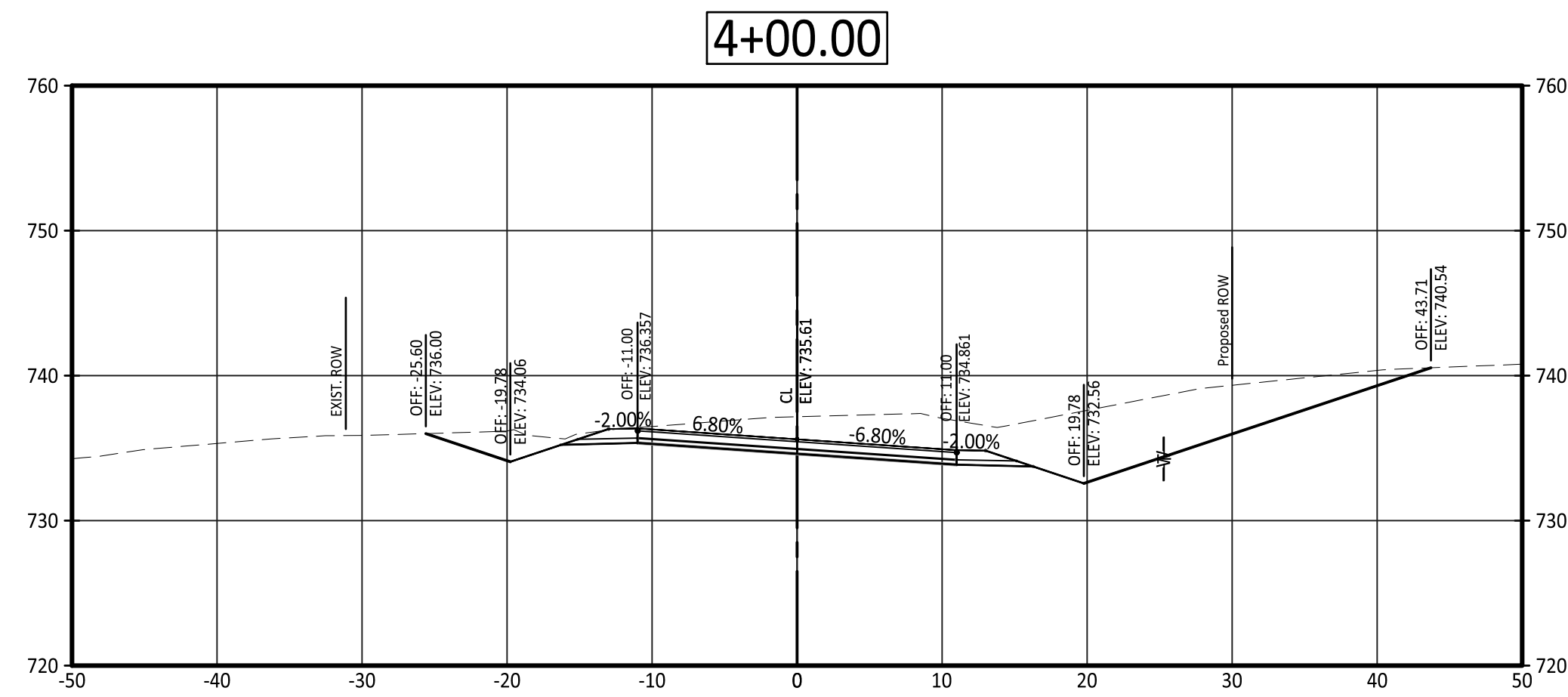
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OF 13 SHEETS

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PRINTS ISSUED

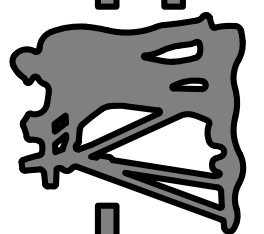
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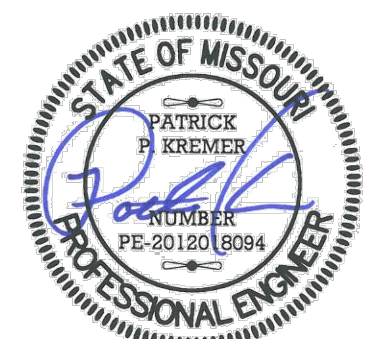


Central Missouri Professional Services, Inc.
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2500 E. McCARTY
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(573) 634-8898



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12/16/2021

Patrick P. Kremer, PE - Engineer
MO# PE-2012018094

TANNER BRIDGE ROAD ALIGNMENT
IMPROVEMENTS, PROJECT # 2022-601-1

COLE COUNTY PUBLIC WORKS

TANNER BRIDGE ROAD
COLE COUNTY, MISSOURI

CMPS JOB No. 17-035

DRN. BY: PPK CKD. BY: CFB

SCALE: AS INDICATED

SHEET TITLE
CROSS SECTIONS

SHEET NUMBER

5

OF 13 SHEETS

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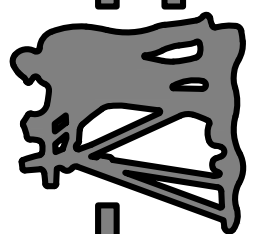
PRINTS ISSUED

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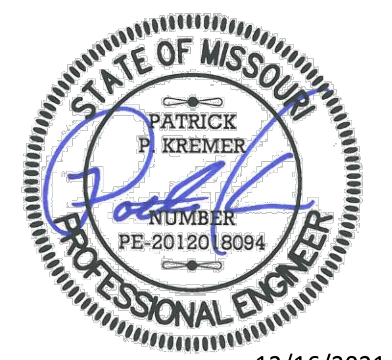
REVISIONS:

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ENGINEERING - SURVEYING - MATERIALS TESTING
2500 E. McCARTY
JEFFERSON CITY, MISSOURI 65101

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12/16/2021

Patrick P. Kremer, PE - Engineer
MO# PE-2012018094

TANNER BRIDGE ROAD ALIGNMENT
IMPROVEMENTS, PROJECT # 2022-601-1

COLE COUNTY PUBLIC WORKS

TANNER BRIDGE ROAD
COLE COUNTY, MISSOURI

CMPS JOB No. 17-035

DRN. BY: PPK

CKD. BY: CFB

SCALE: AS INDICATED

SHEET TITLE

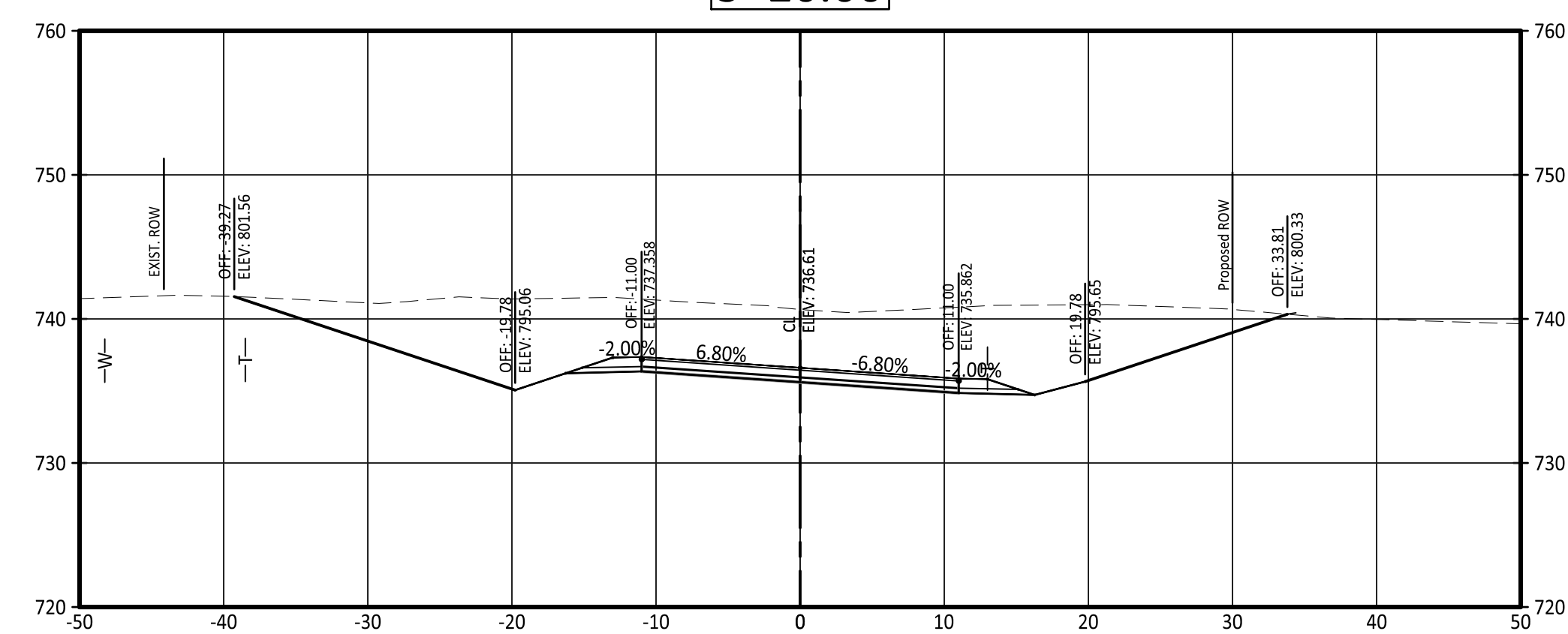
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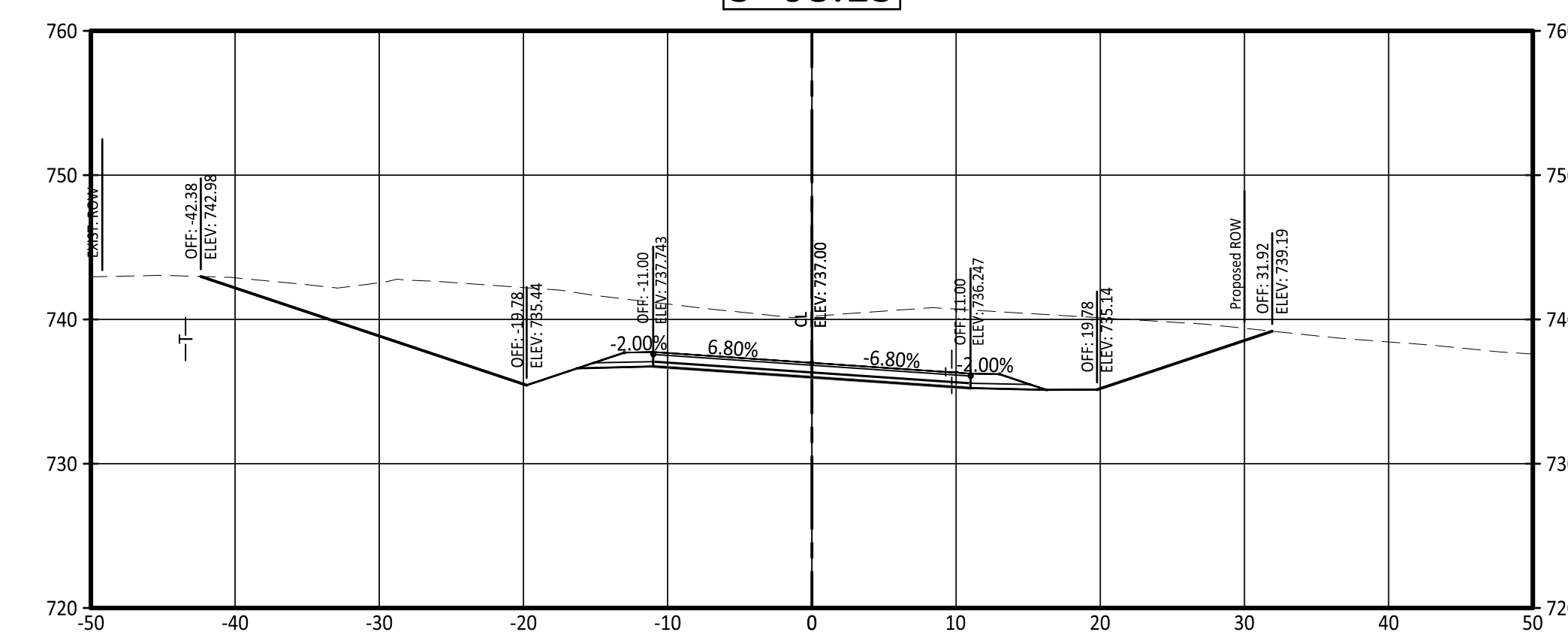
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OF 13 SHEETS

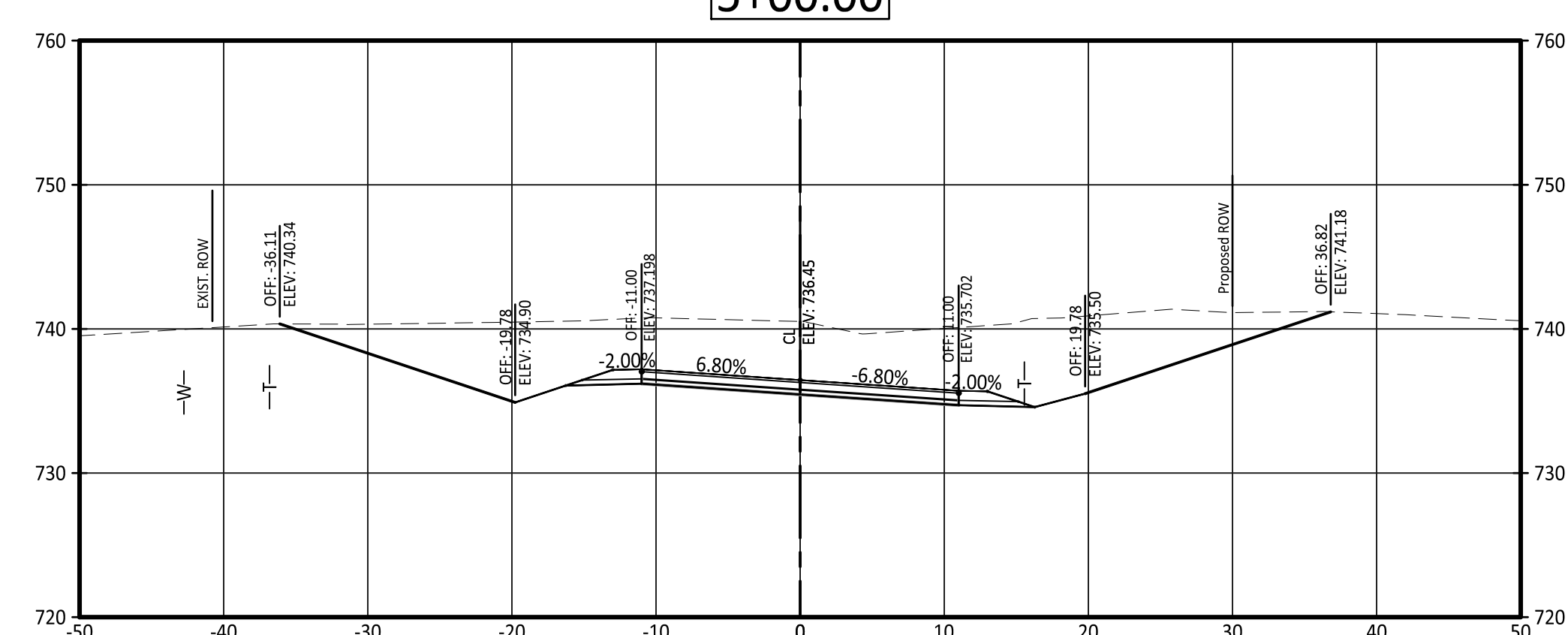
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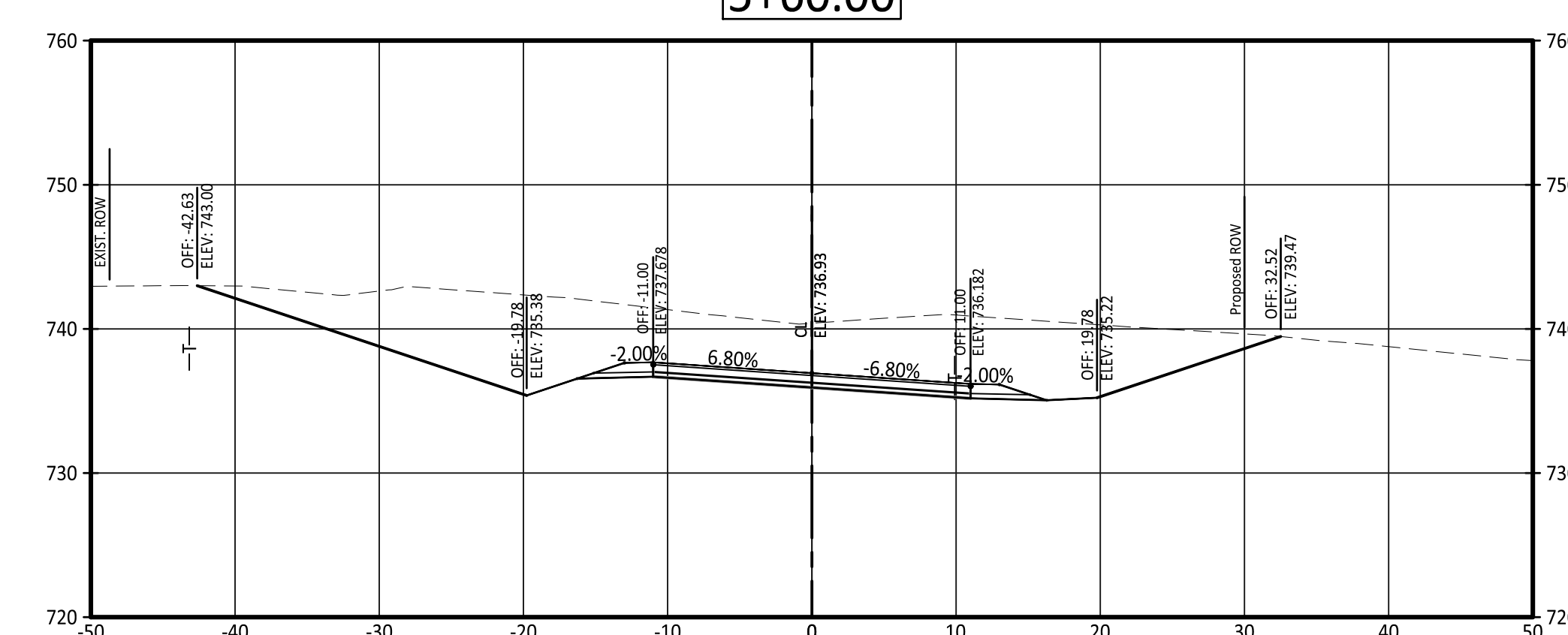
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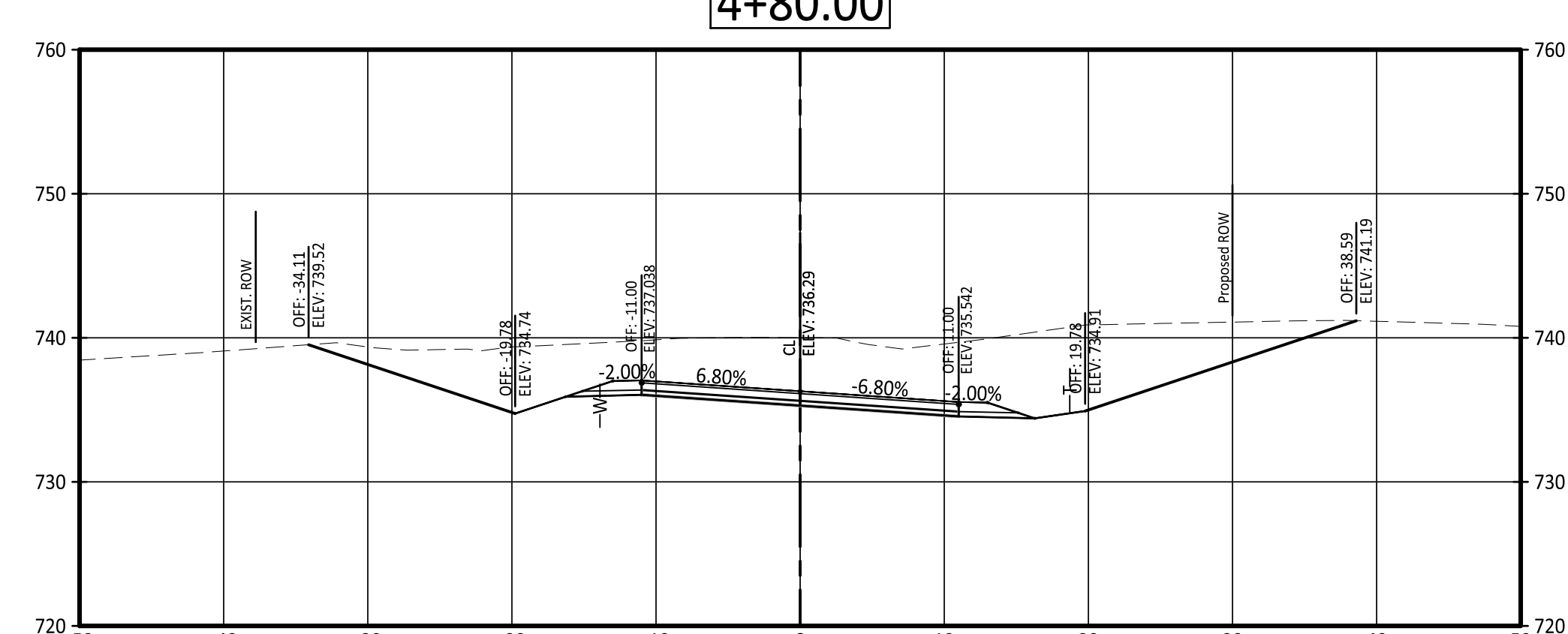
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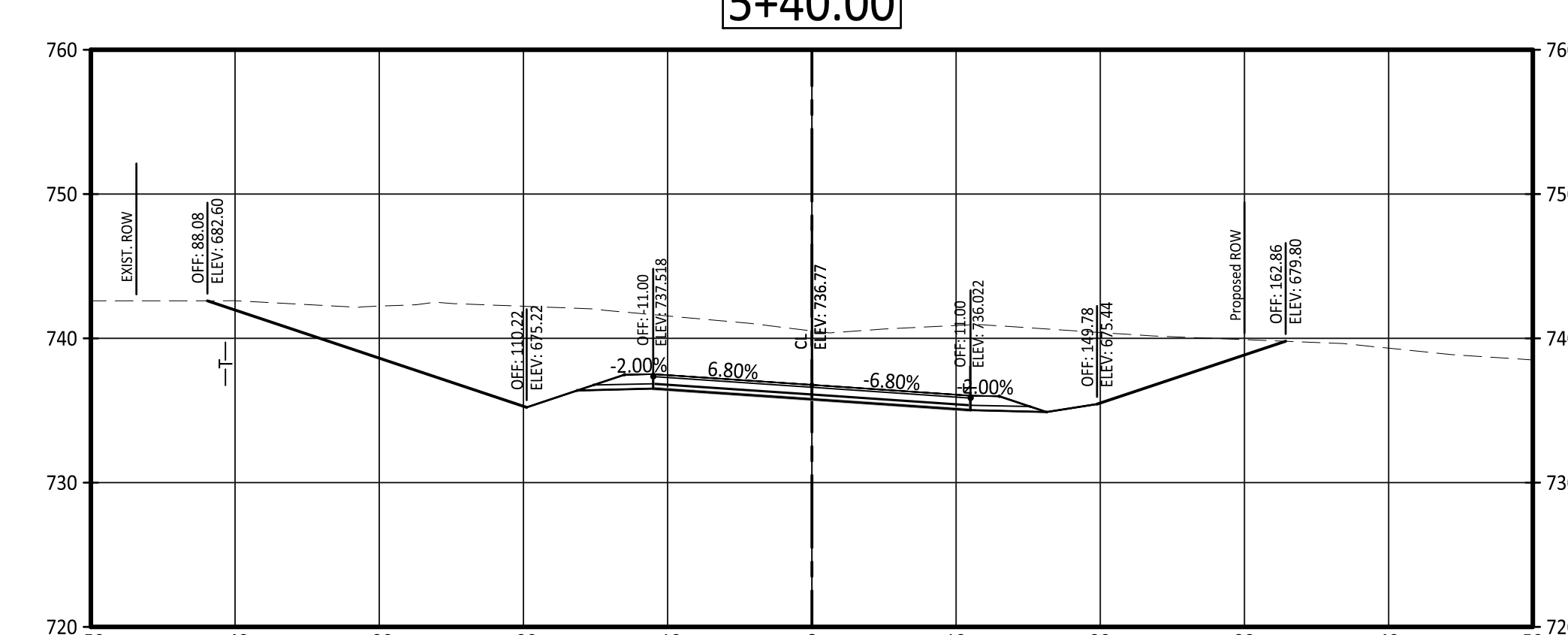
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5+40.00



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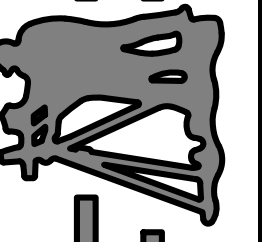
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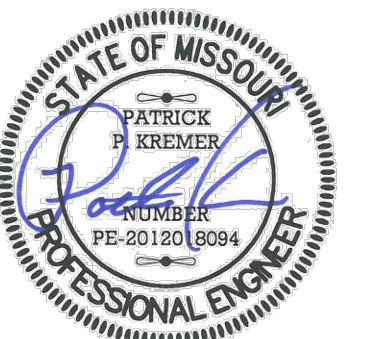
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 COLE COUNTY, MISSOURI

CMPS JOB No. 17-035

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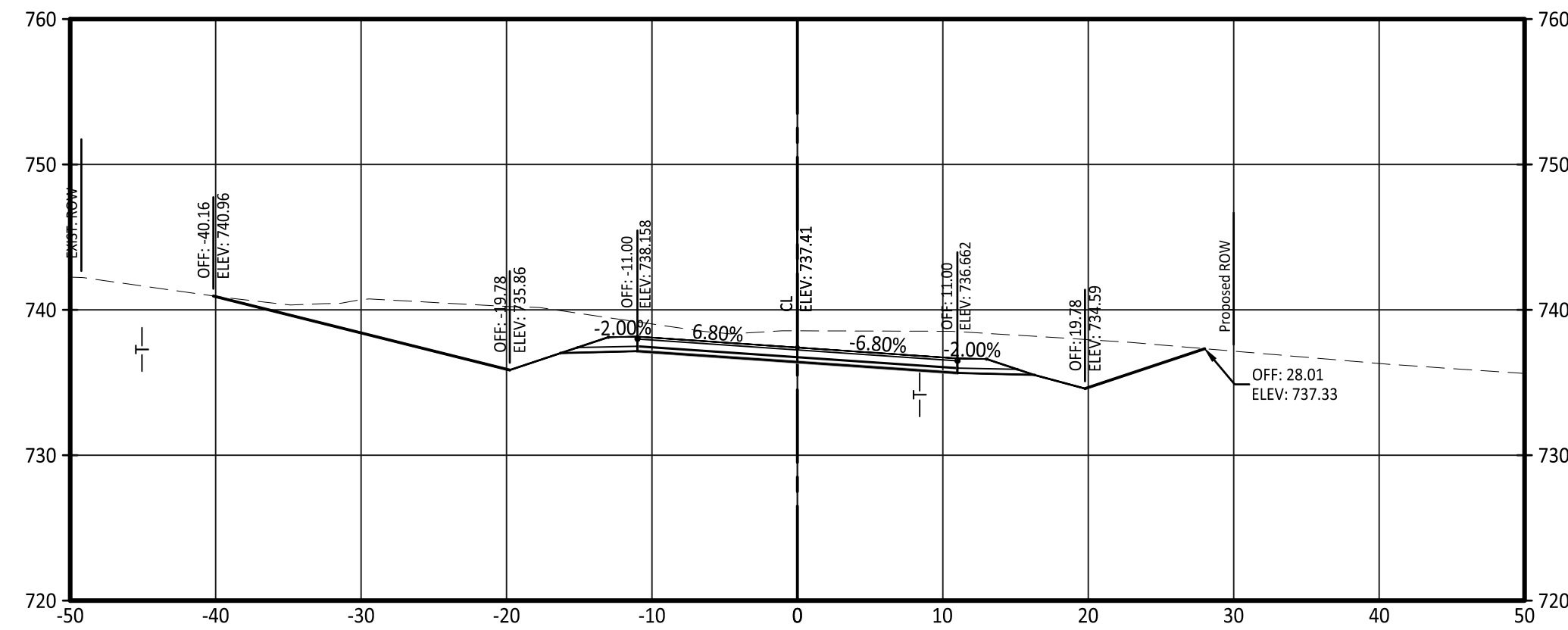
CROSS SECTIONS

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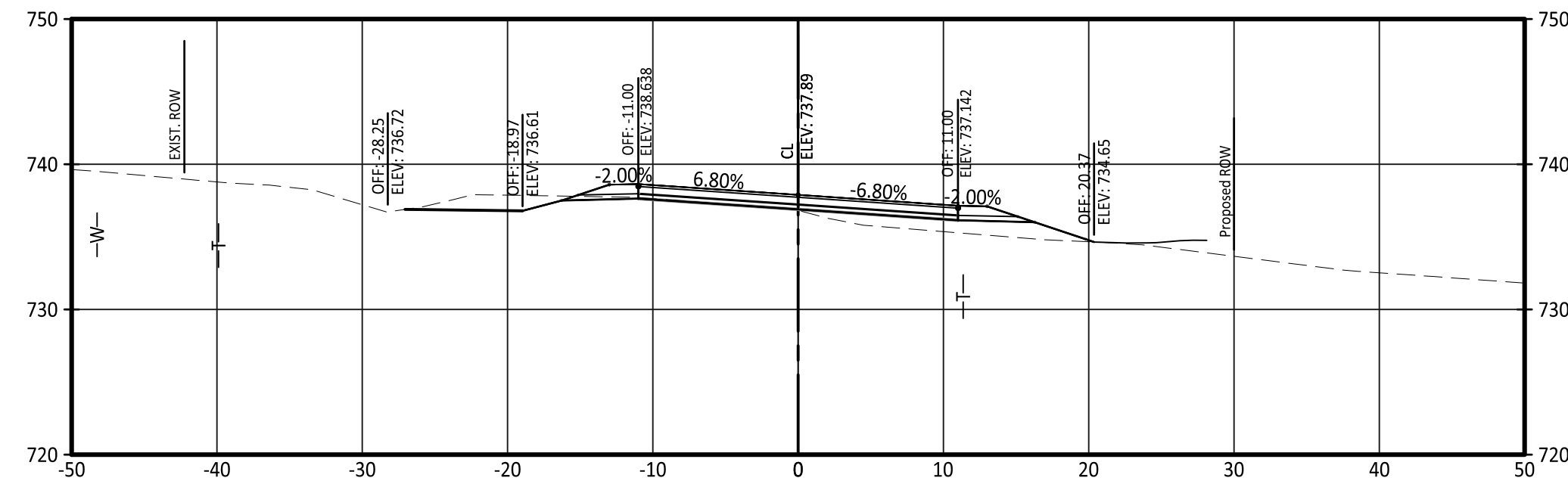
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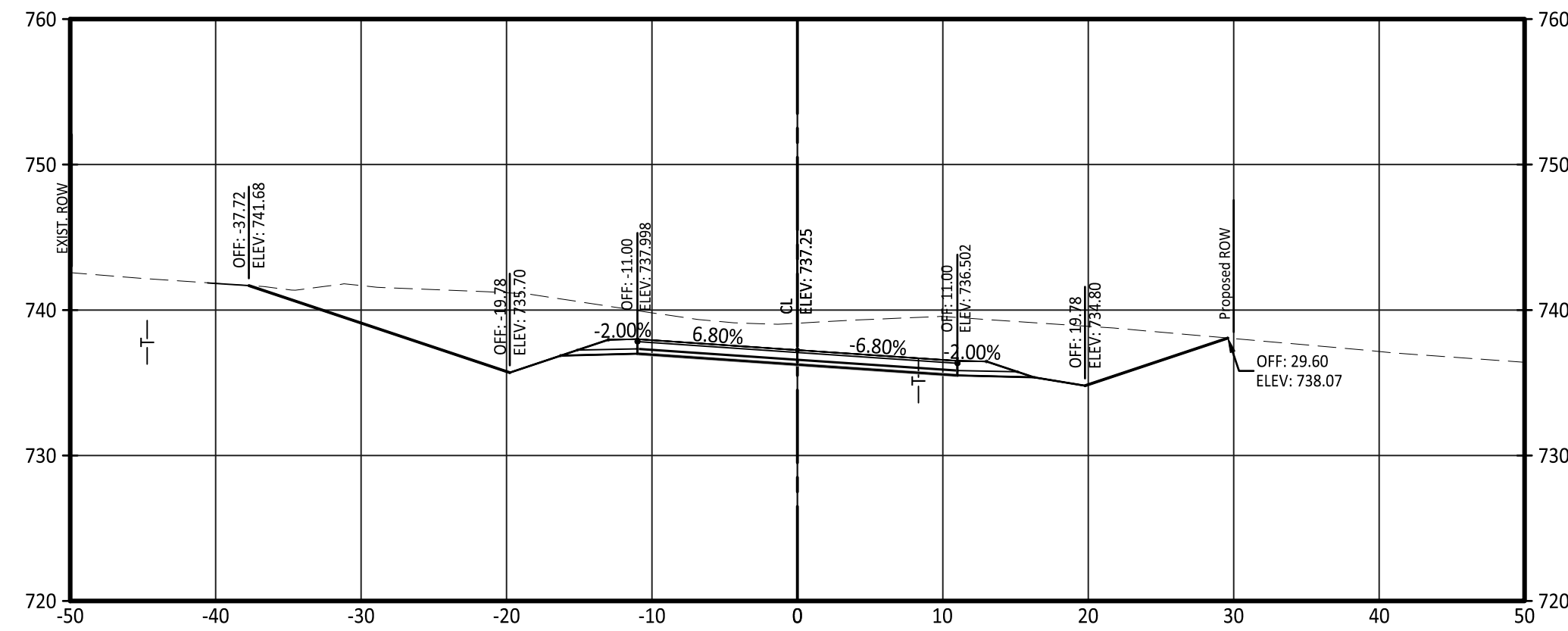
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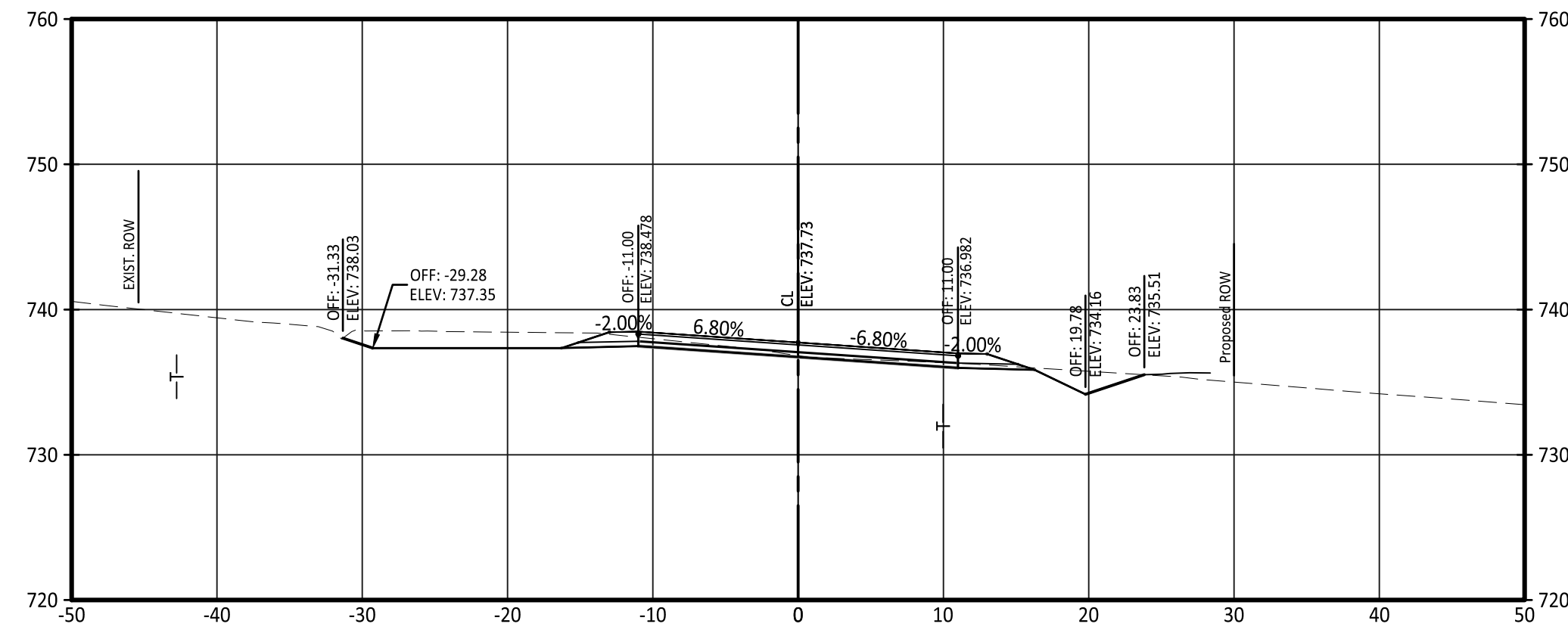
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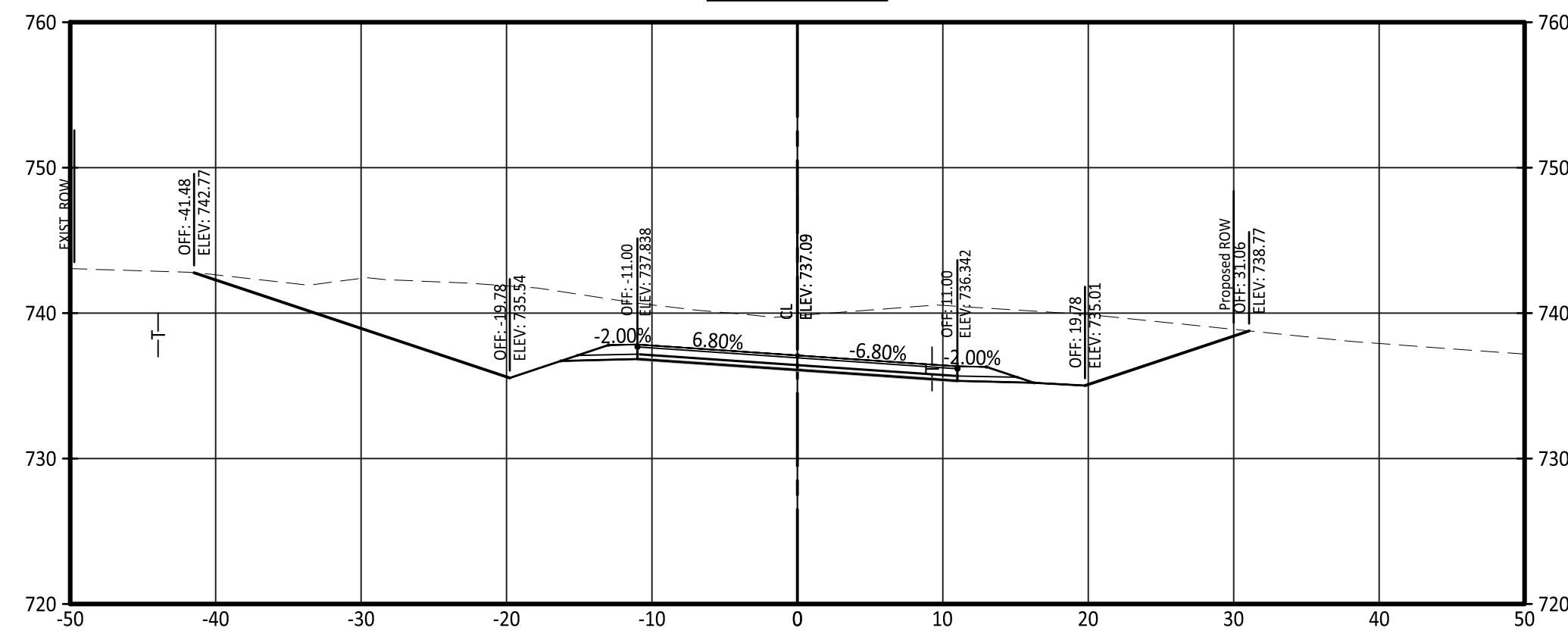
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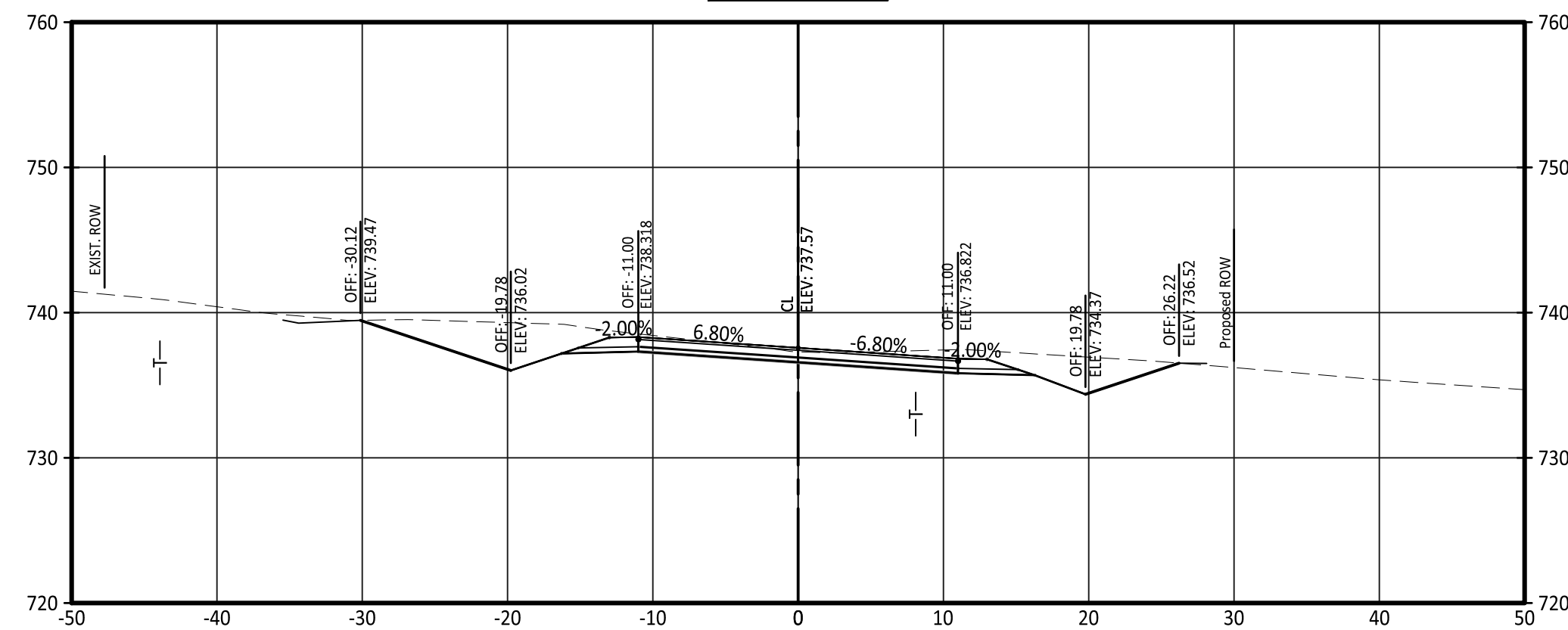
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6+40.00



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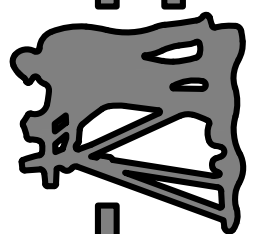
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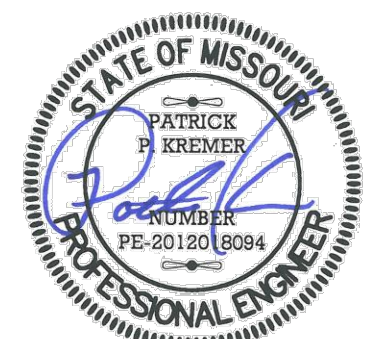
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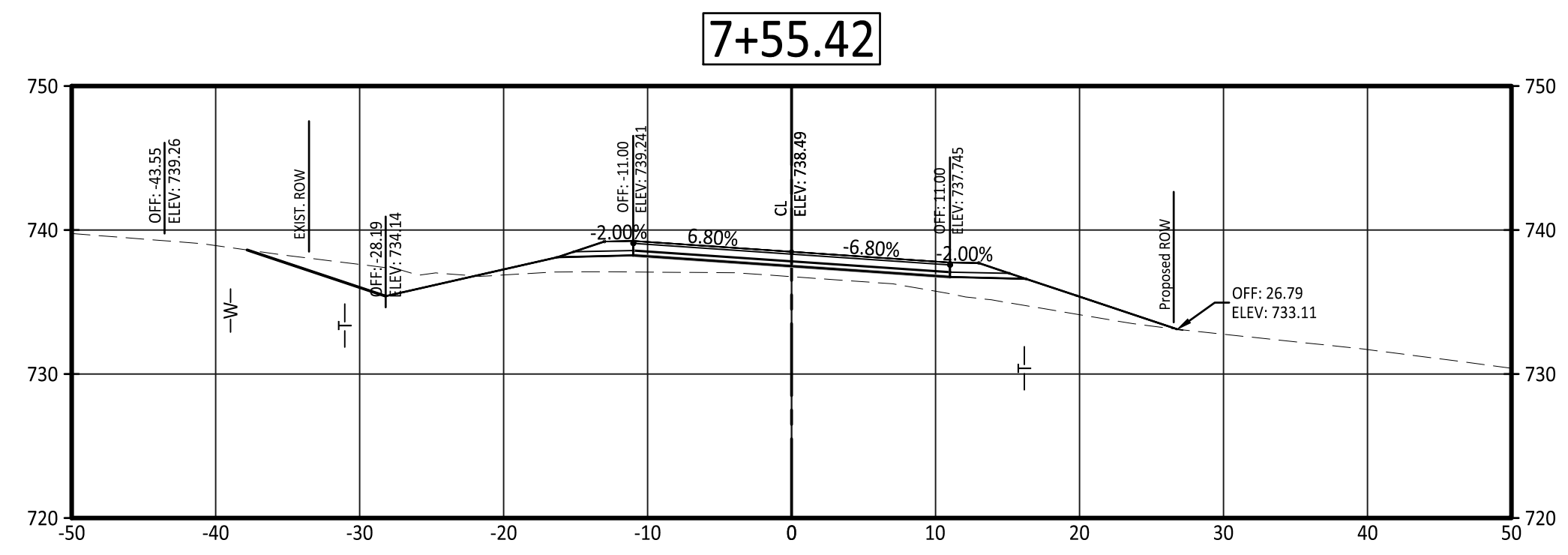
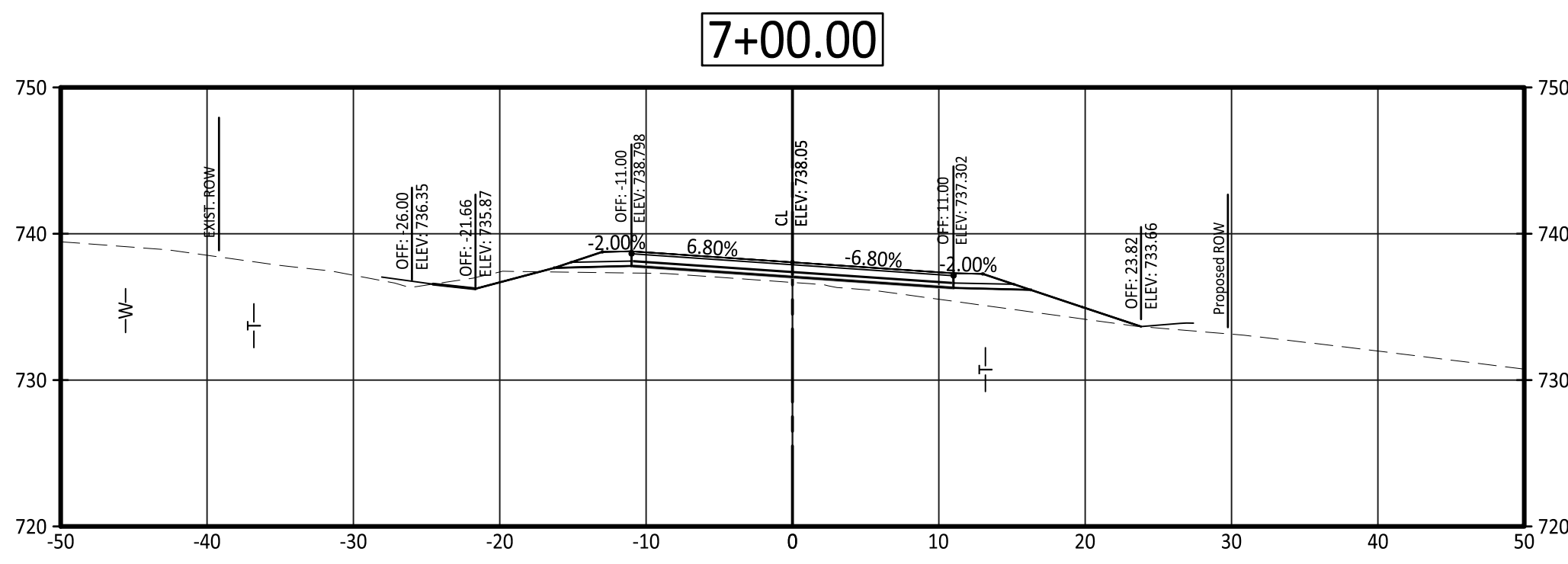
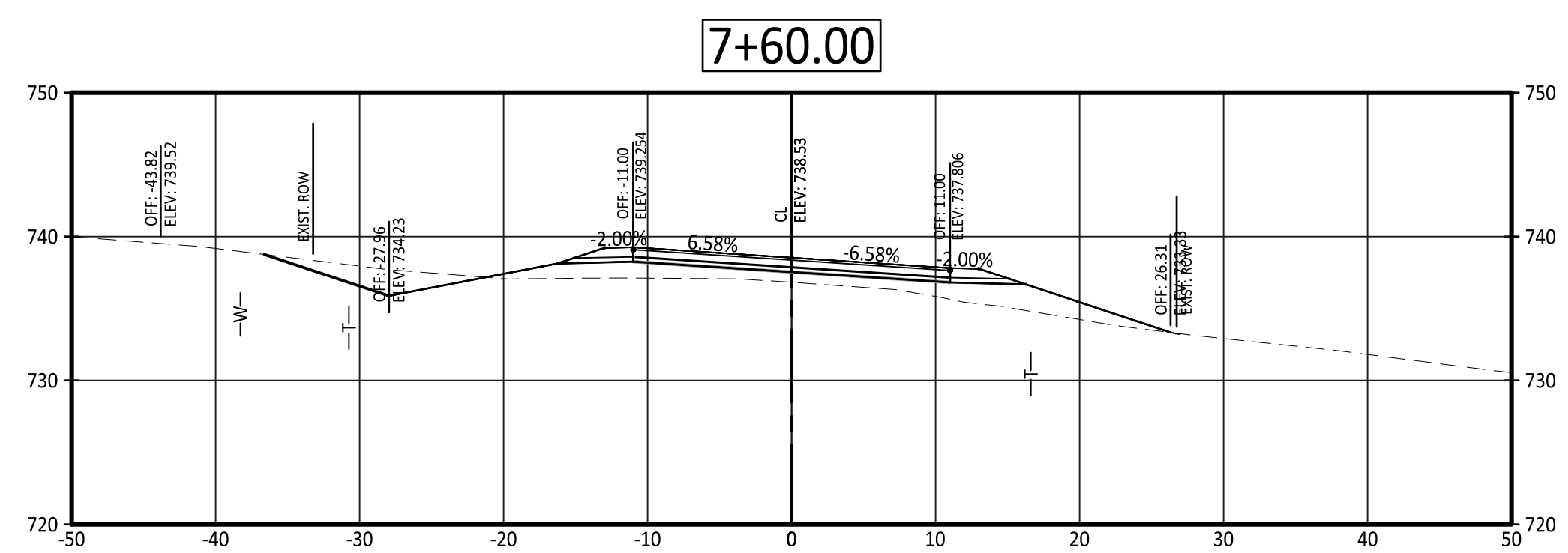
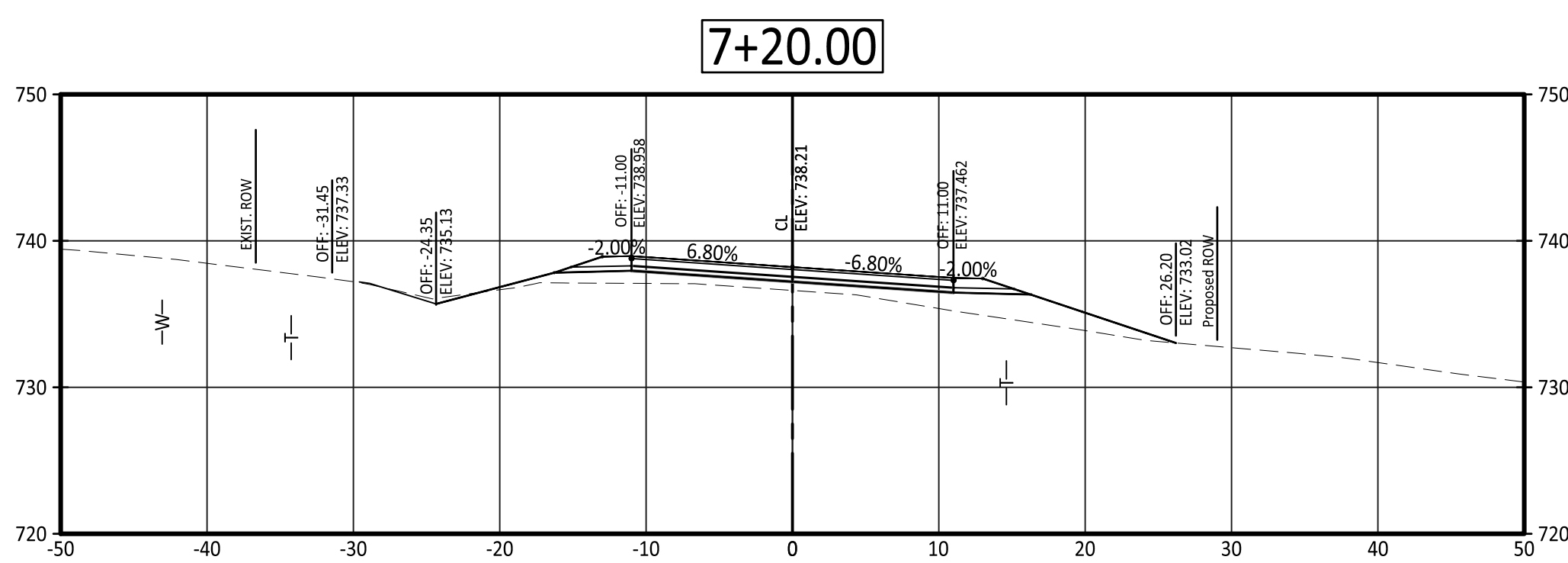
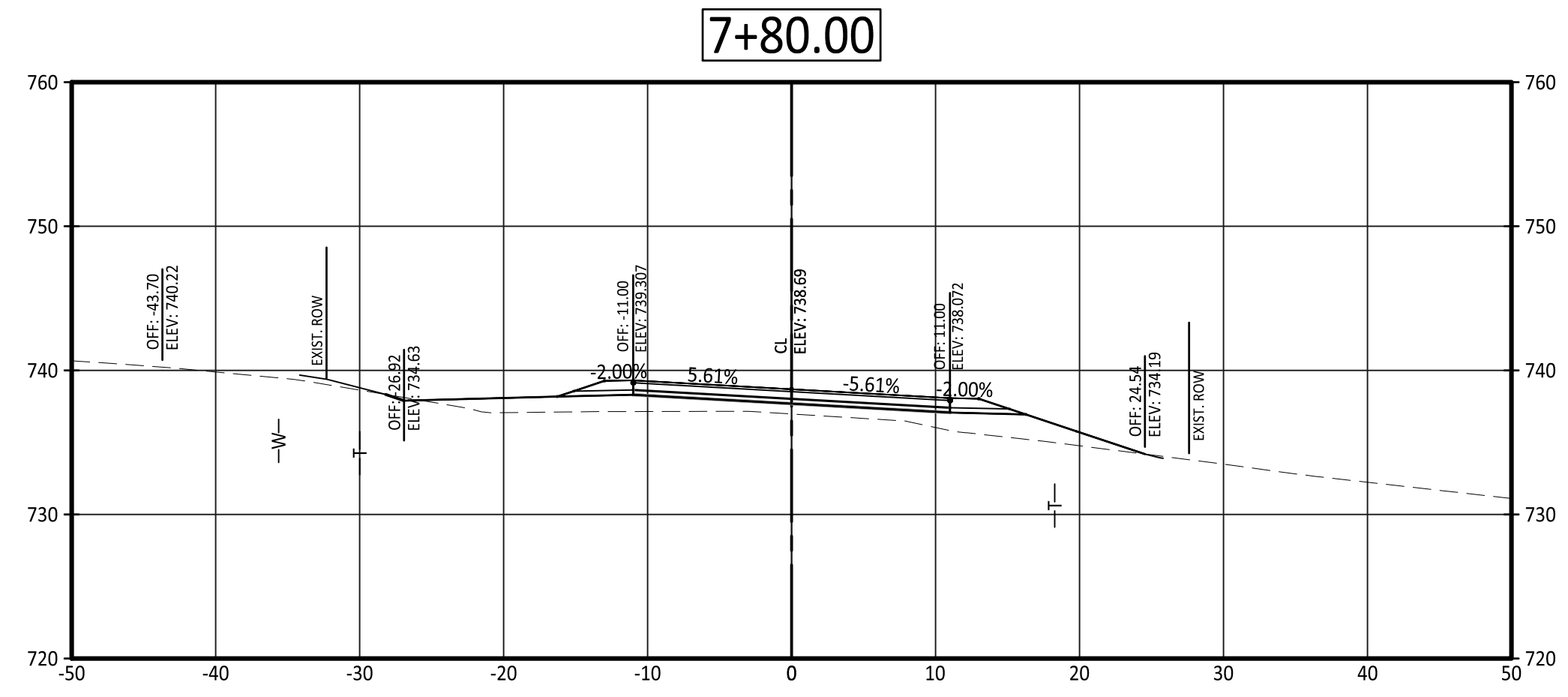
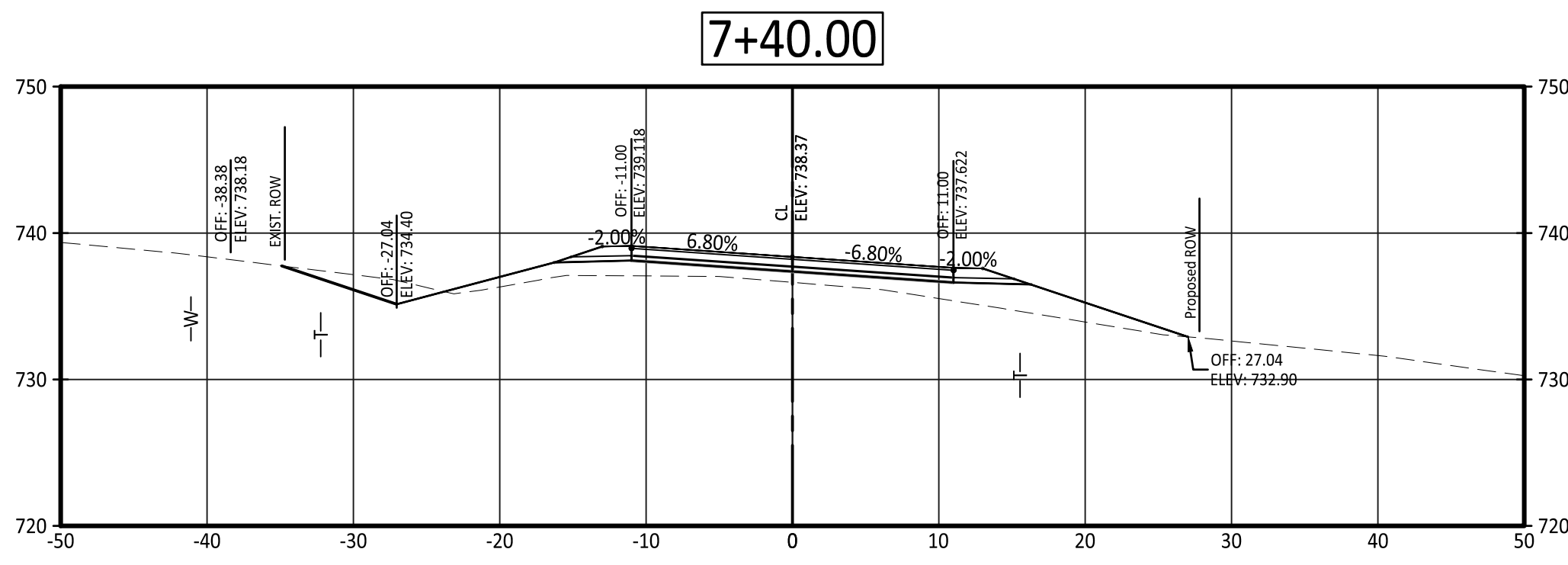
SHEET TITLE

CROSS SECTIONS

SHEET NUMBER

8

OF 13 SHEETS

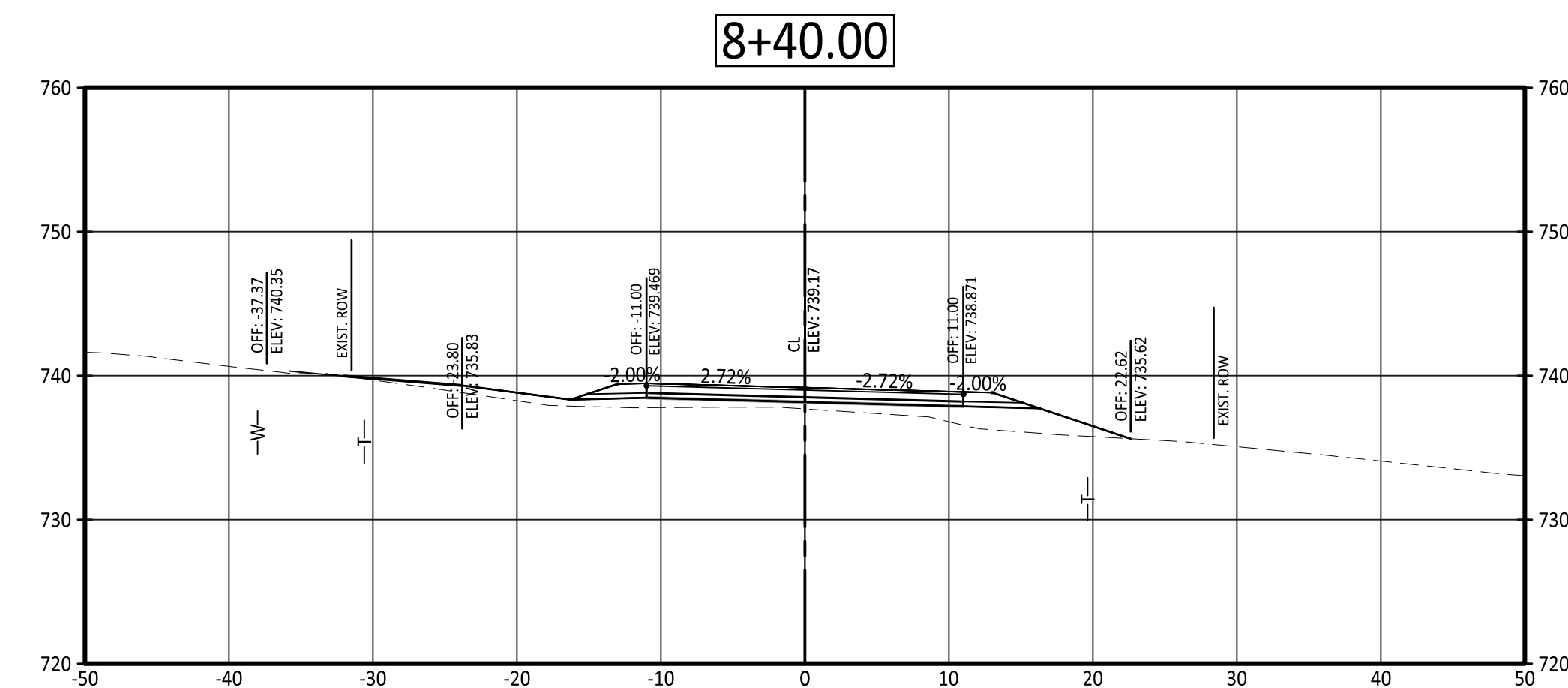
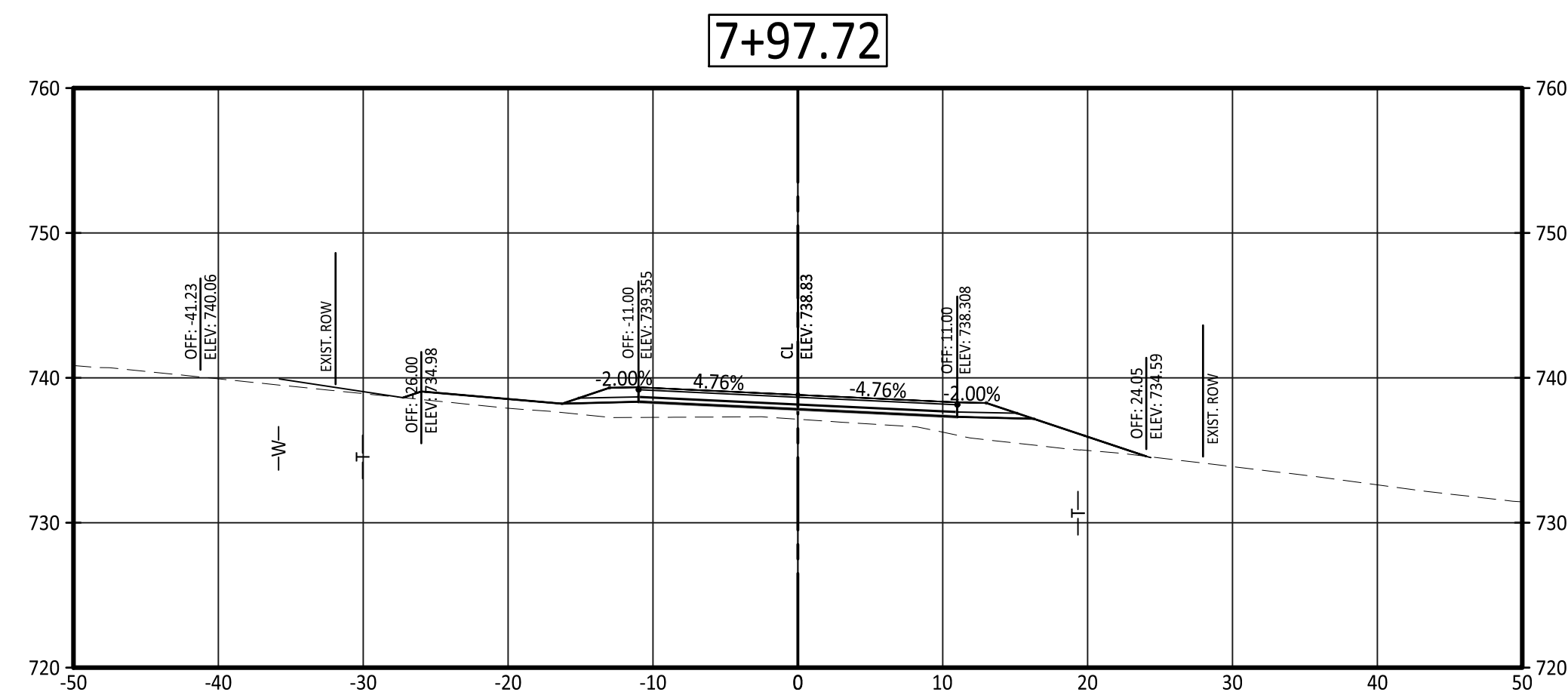
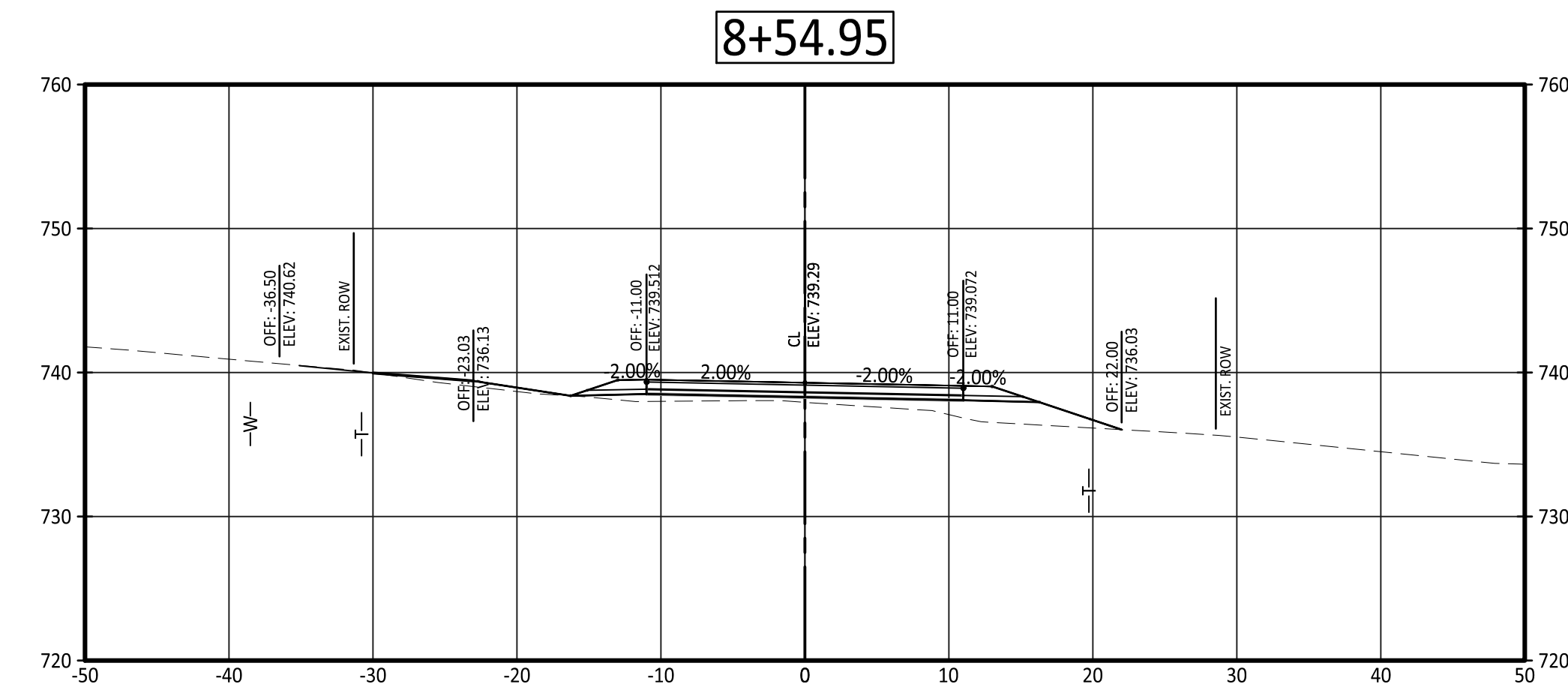
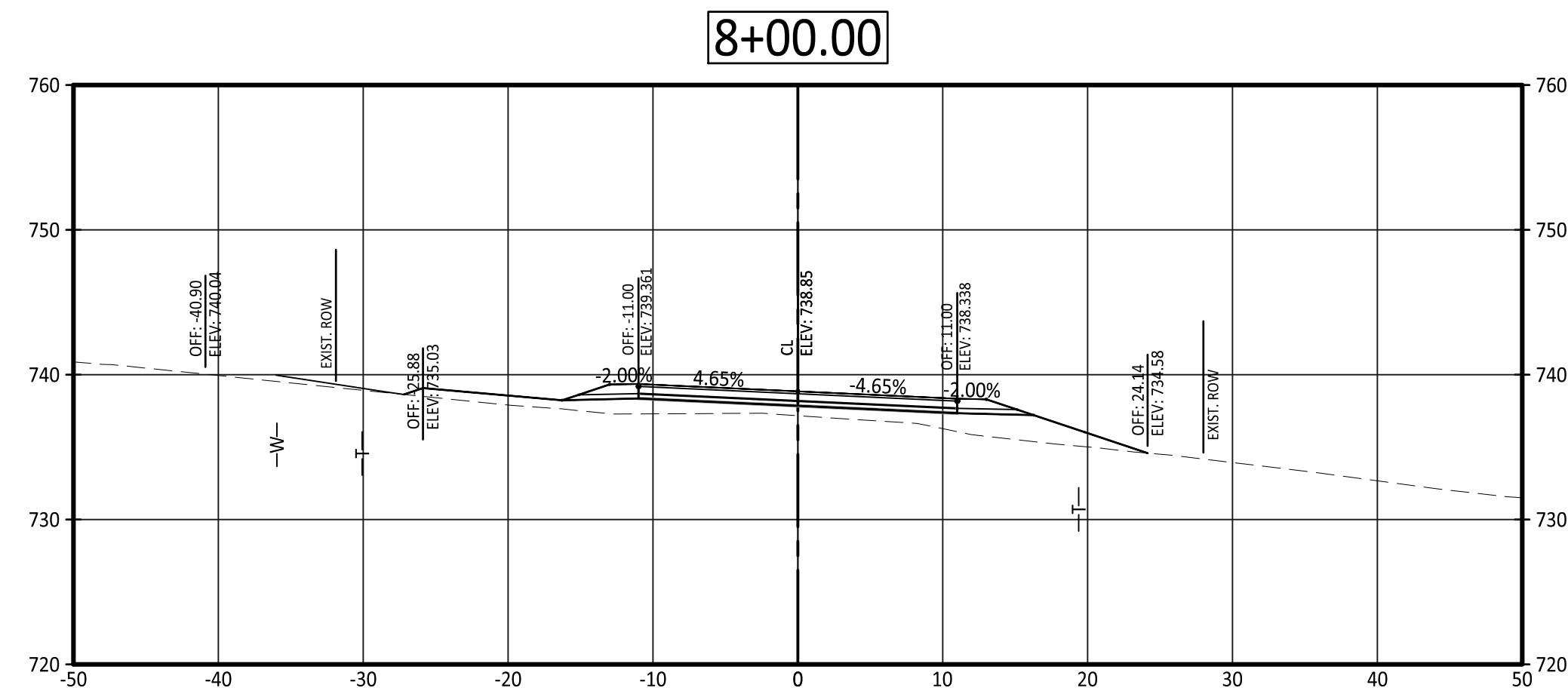
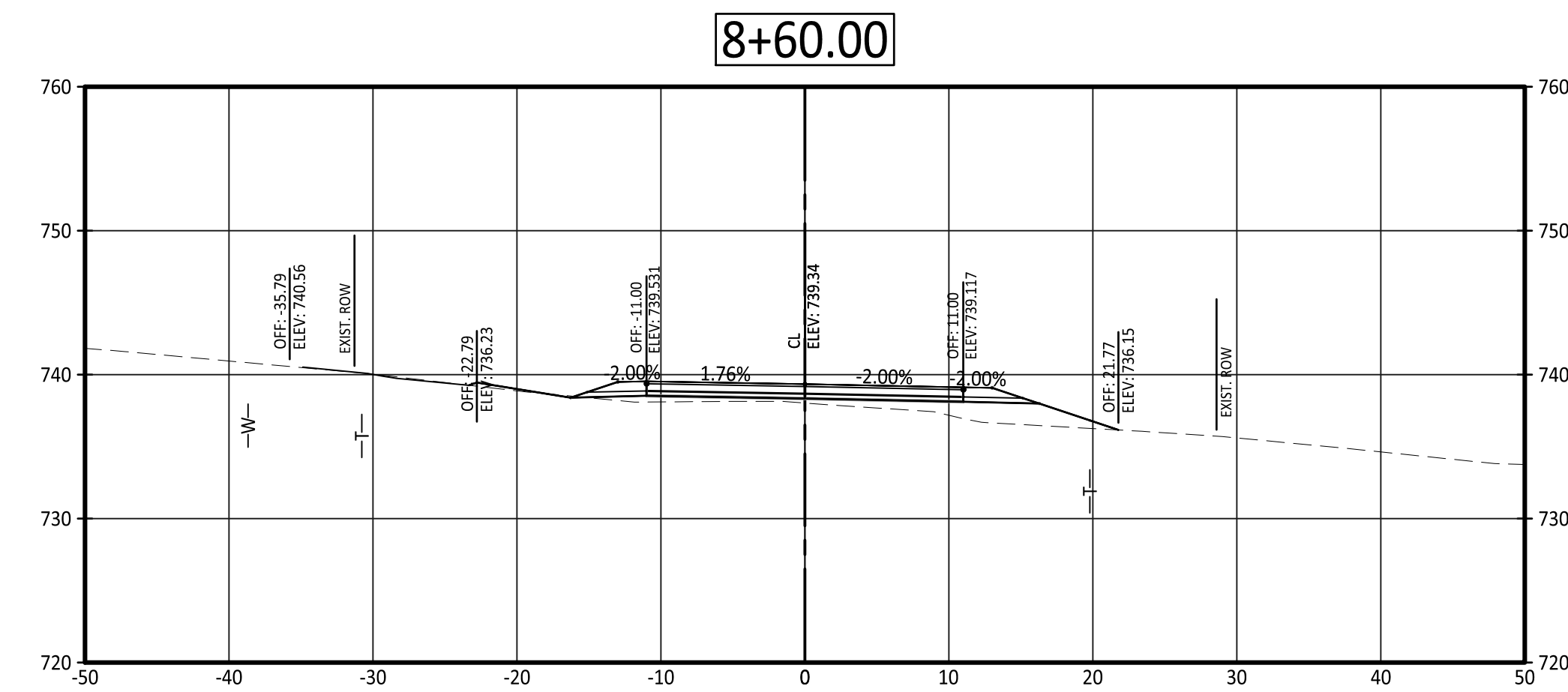
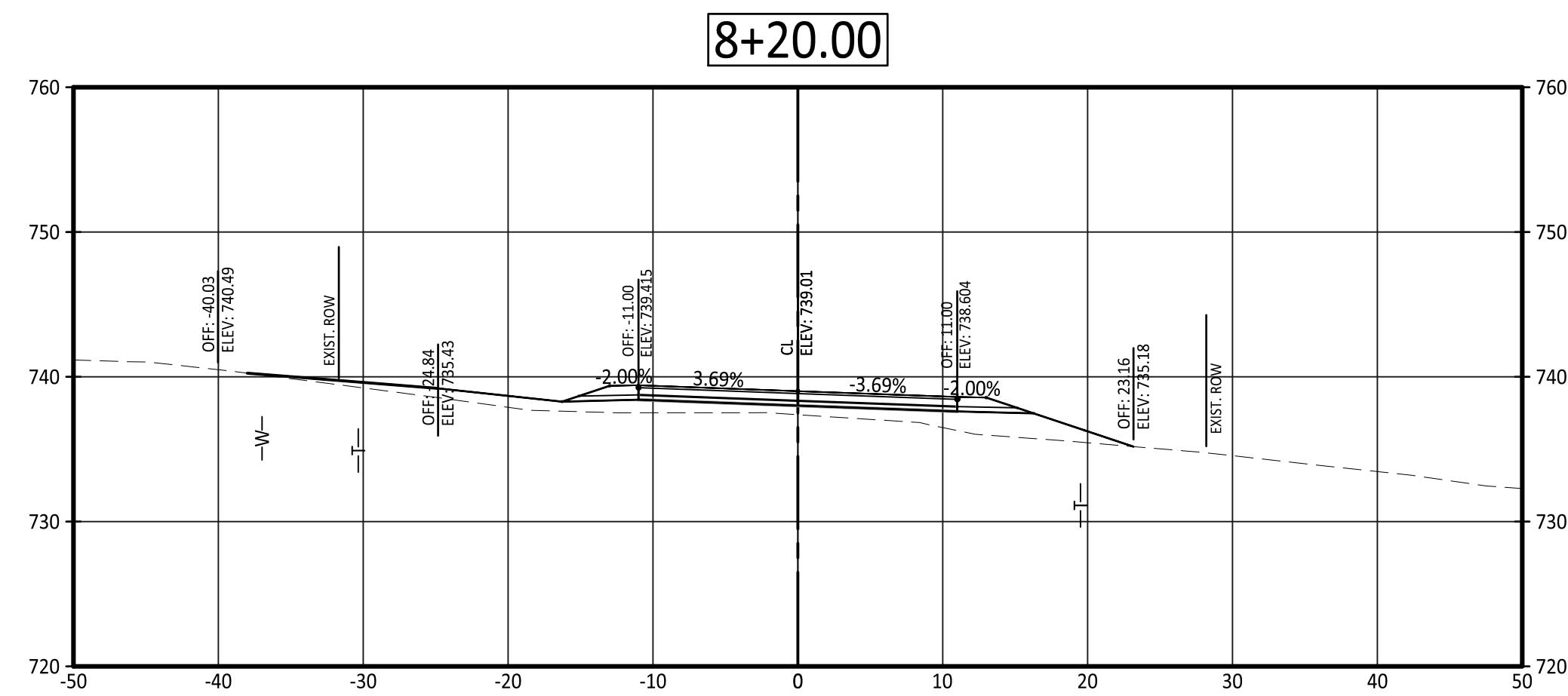


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PRINTS ISSUED

DECEMBER 16, 2021

REVISIONS:

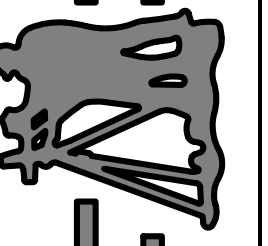


Central Missouri Professional Services, Inc.
ENGINEERING - SURVEYING - MATERIALS TESTING

2500 E. McCARTY
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(573) 634-8898



Central Missouri Professional Services, Inc.
Missouri State Certificate of Authority #001558



12/16/2021

Patrick P. Kremer, PE - Engineer
MO# PE-2012018094

TANNER BRIDGE ROAD ALIGNMENT
IMPROVEMENTS, PROJECT # 2022-601-1

COLE COUNTY PUBLIC WORKS

TANNER BRIDGE ROAD
COLE COUNTY, MISSOURI

CMPS JOB No. 17-035

DRN. BY: PPK

CKD. BY: CFB

SCALE: AS INDICATED

SHEET TITLE

CROSS SECTIONS

SHEET NUMBER

9

OF 13 SHEETS

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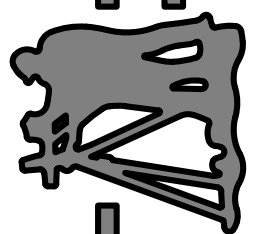
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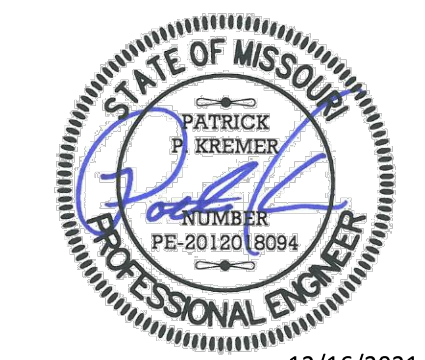
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TANNER BRIDGE ROAD
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CMPS JOB No. 17-035

DRN. BY: PPK CKD. BY: CFB

SCALE: AS INDICATED

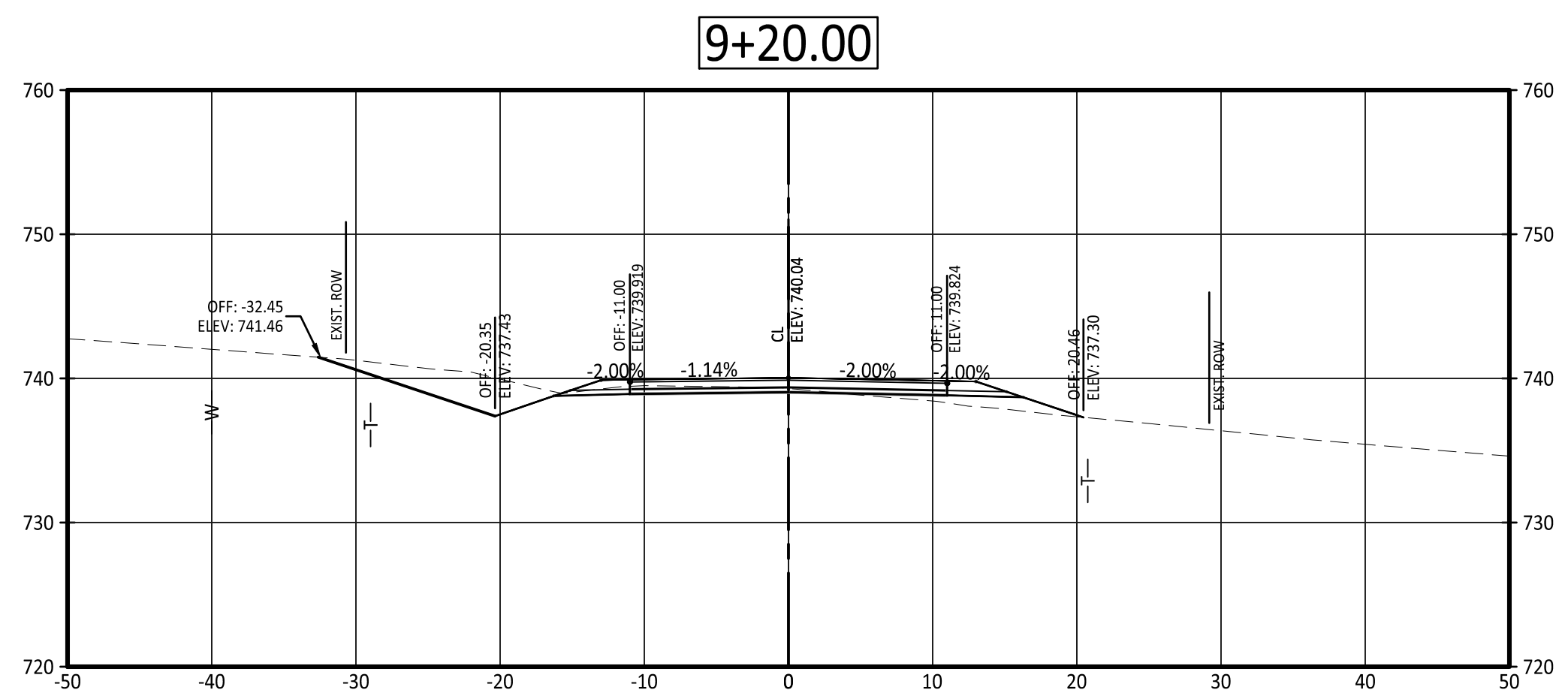
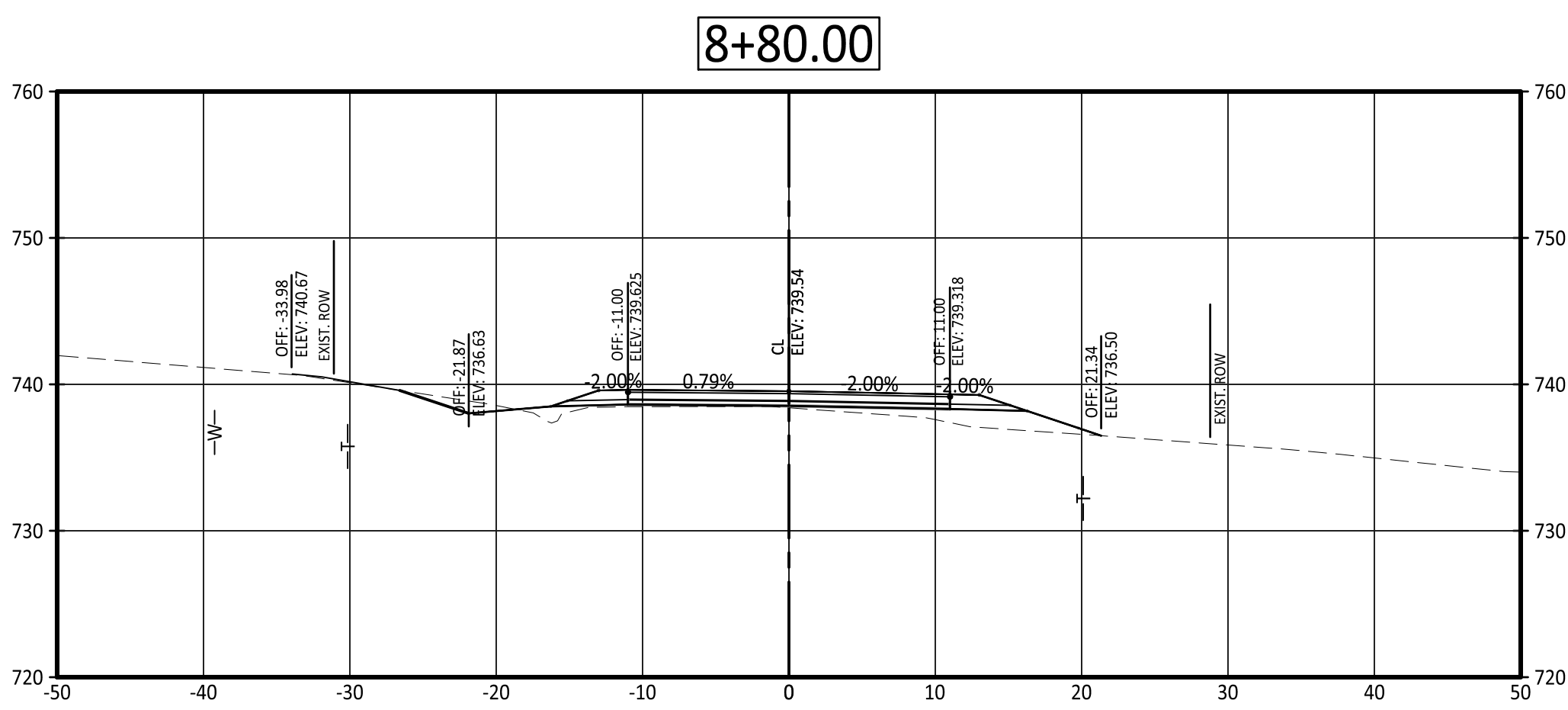
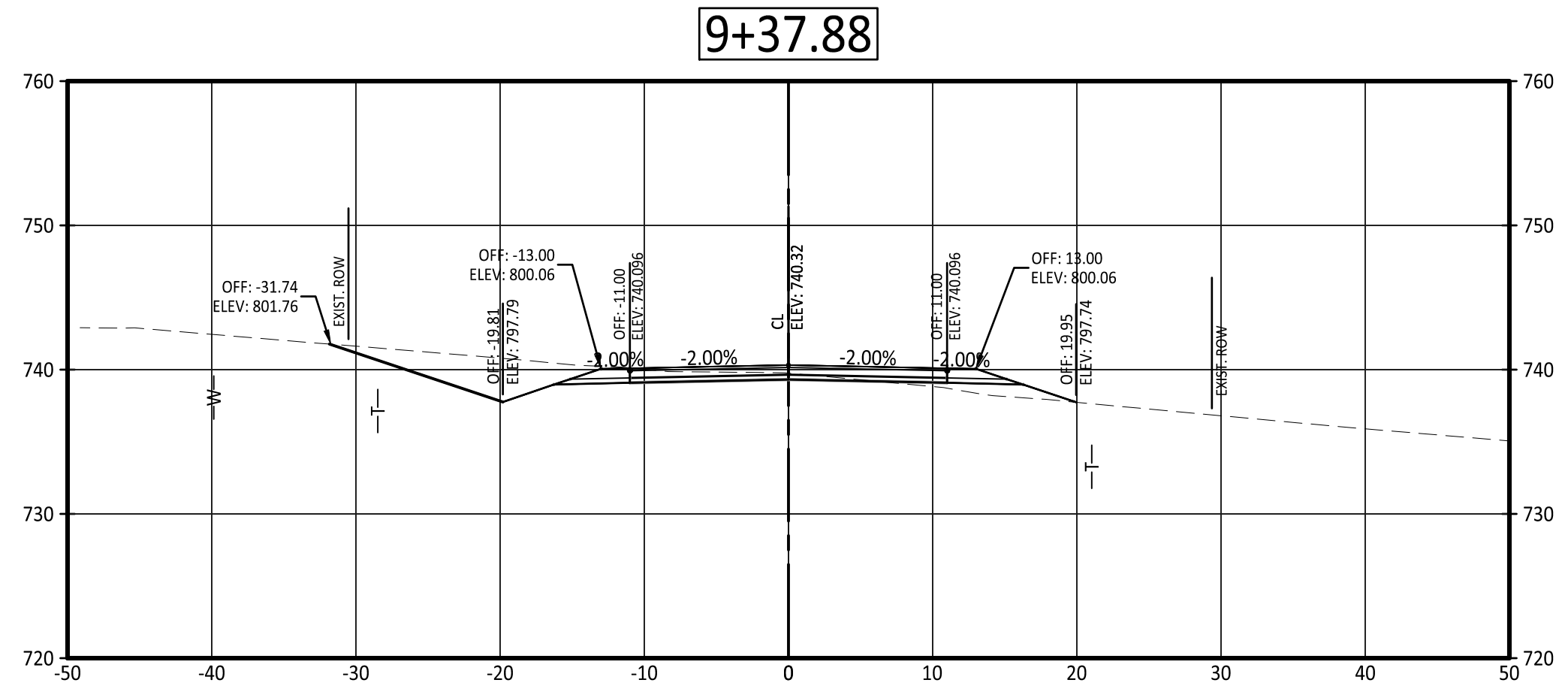
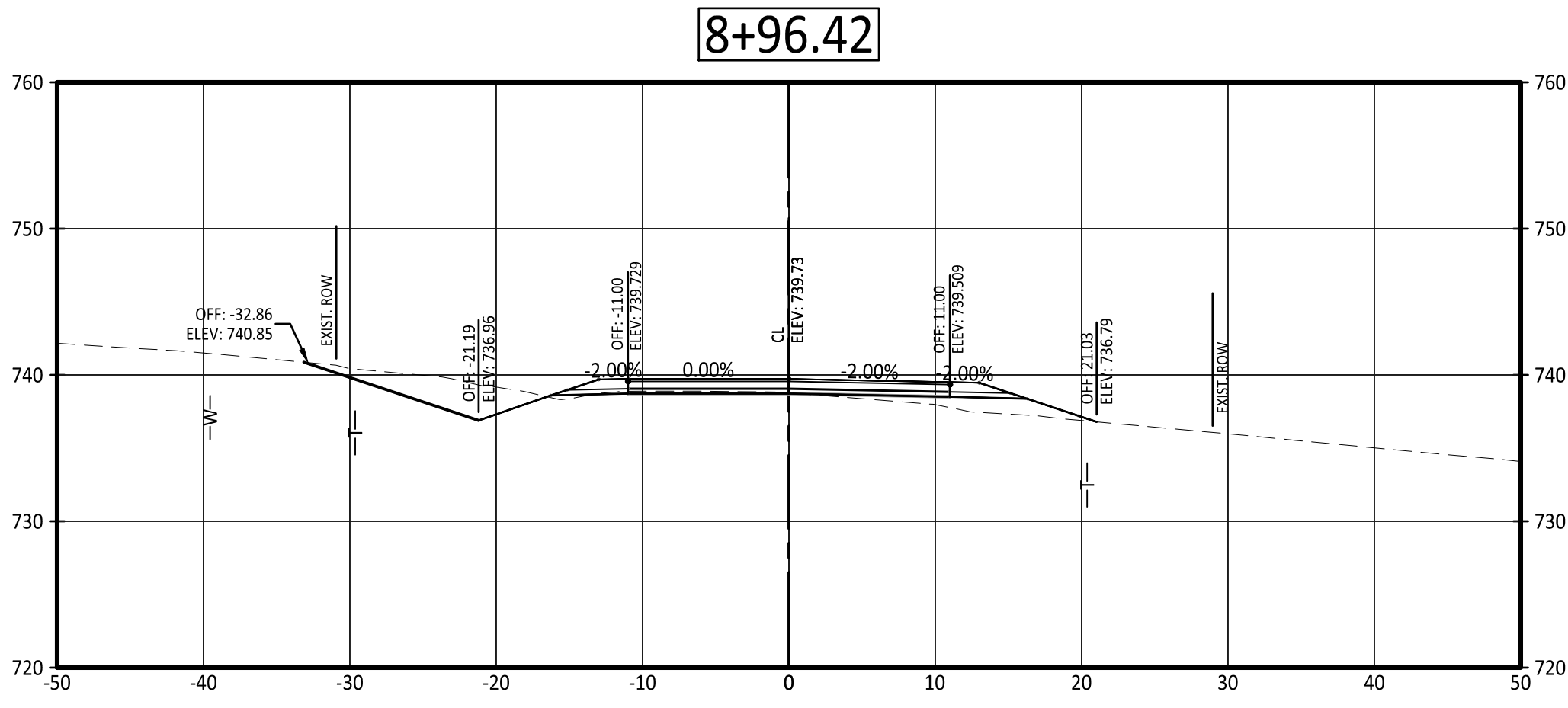
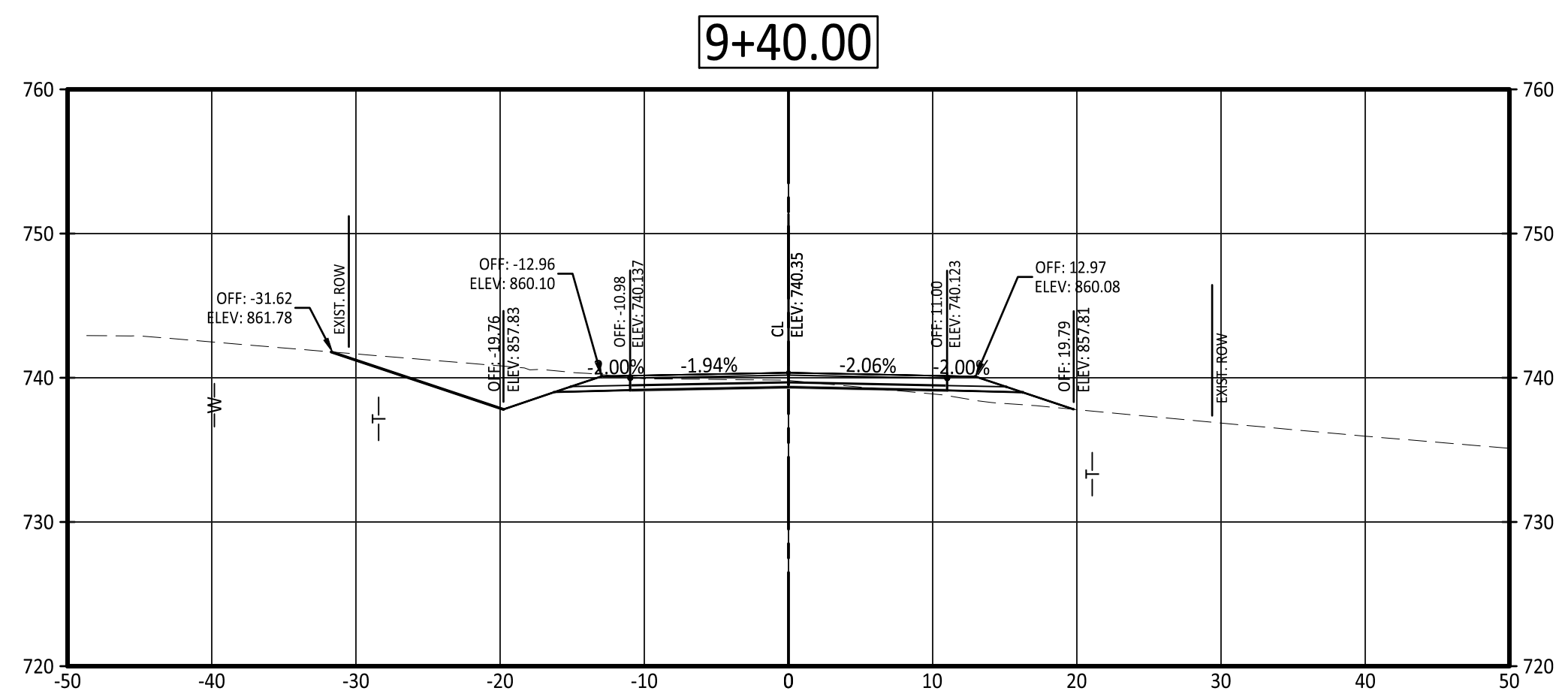
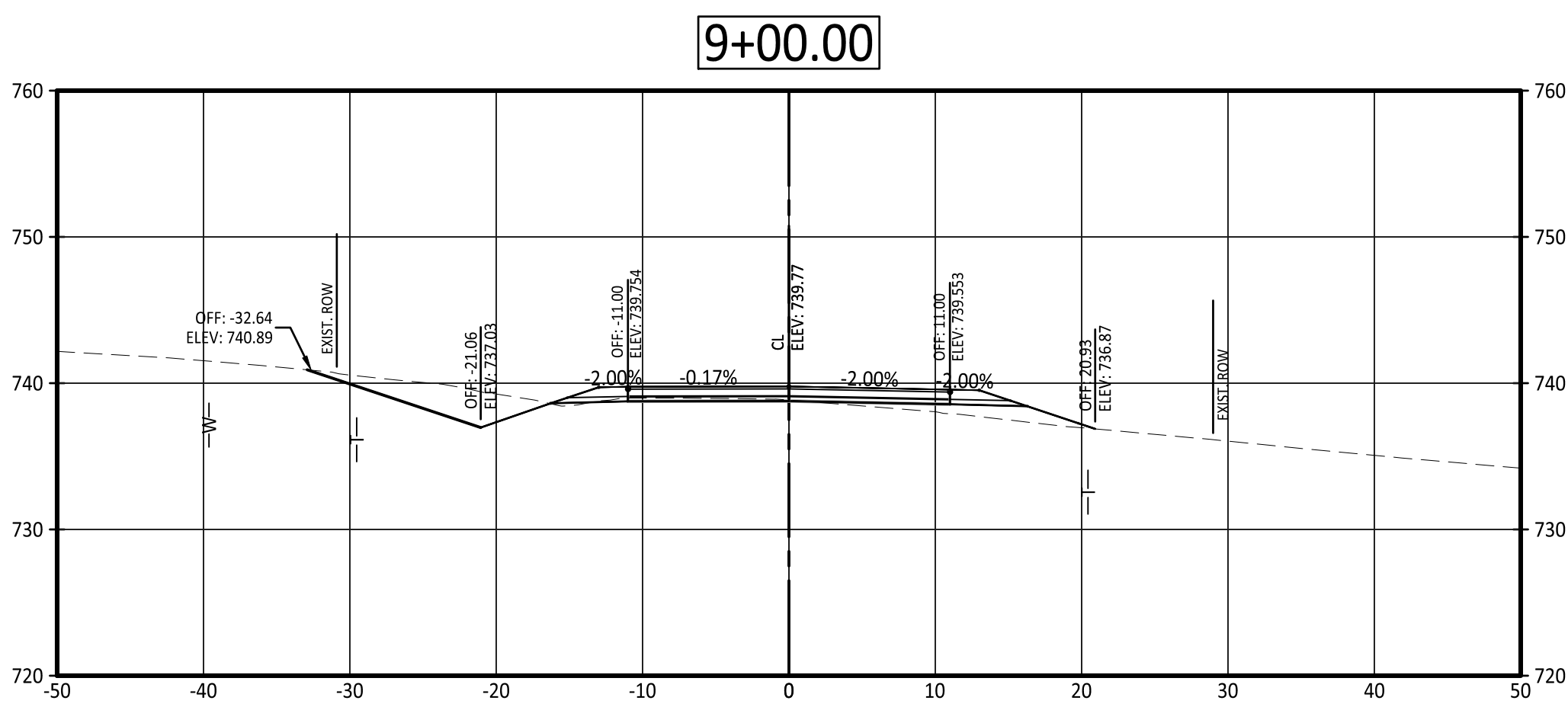
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CROSS SECTIONS

SHEET NUMBER

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OF 13 SHEETS



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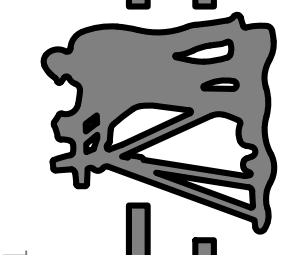
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CMPS JOB No. 17-035

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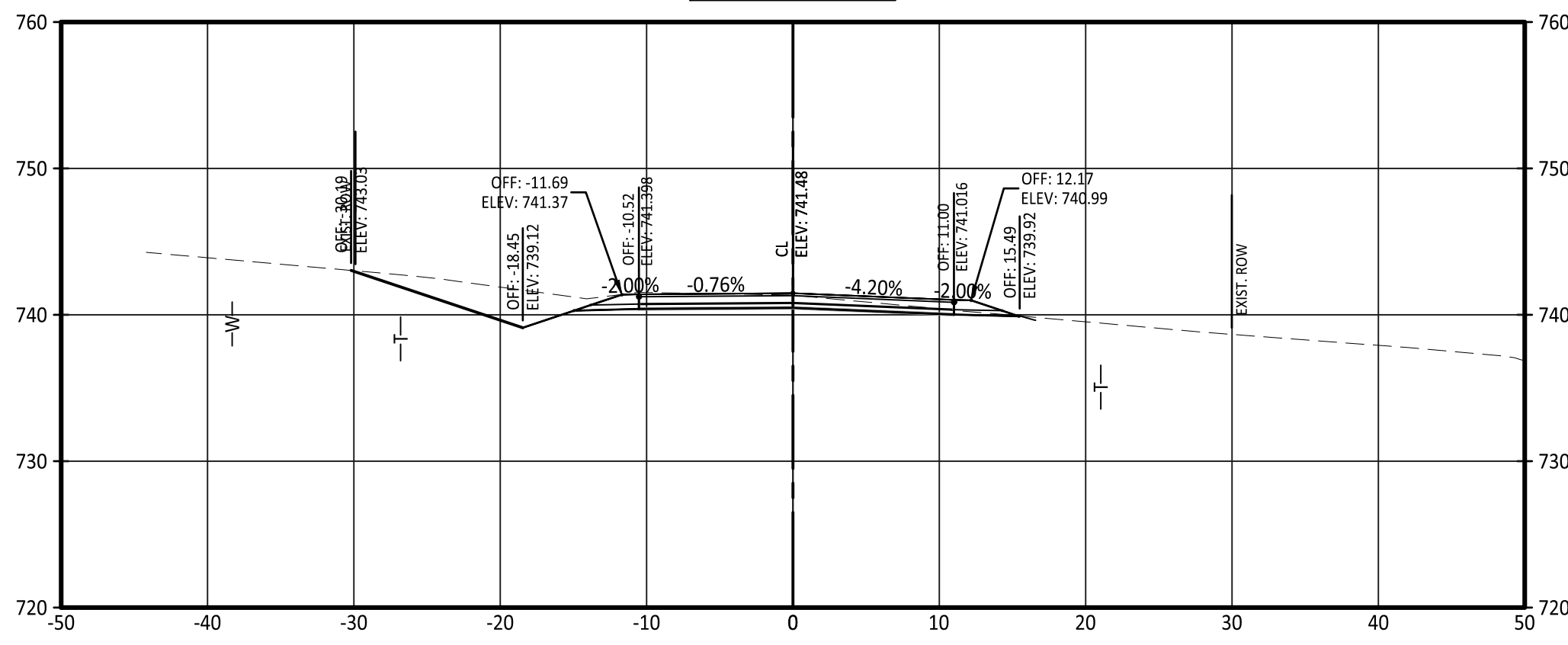
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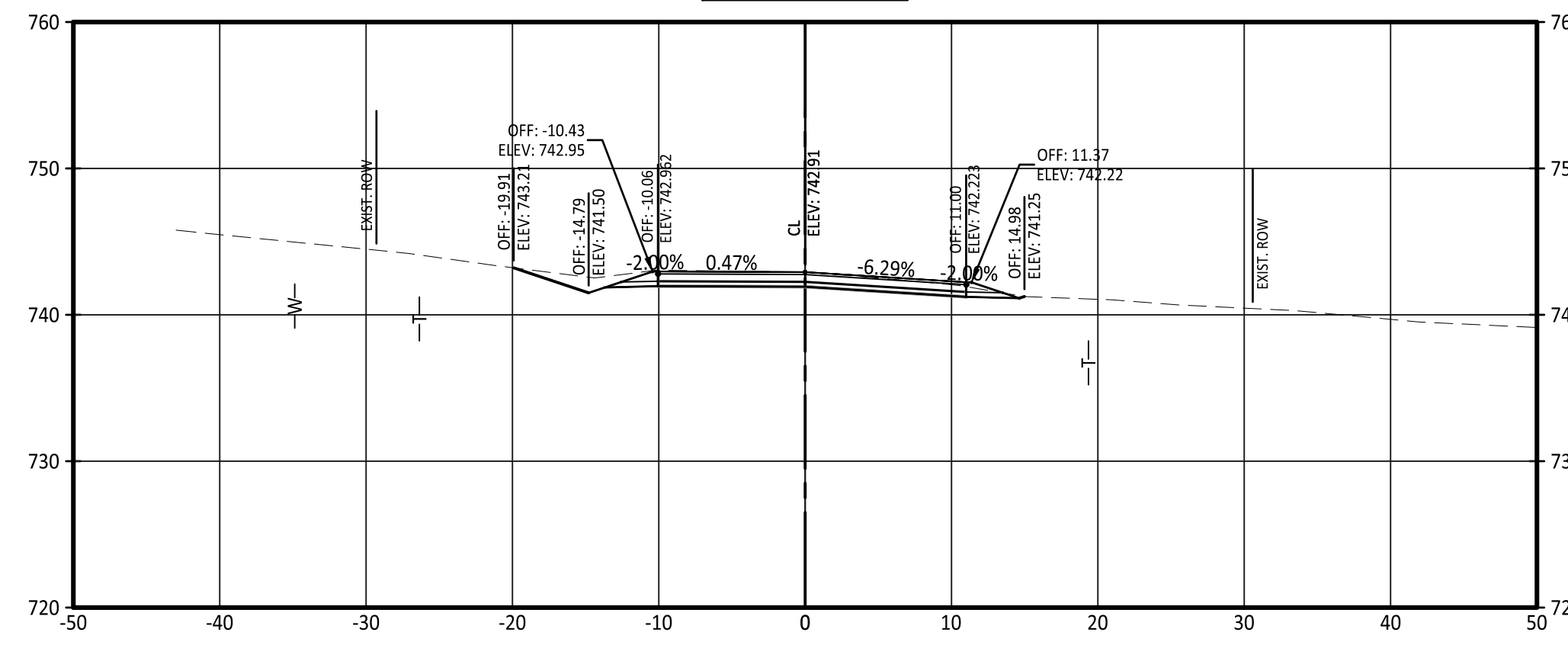
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OF 13 SHEETS

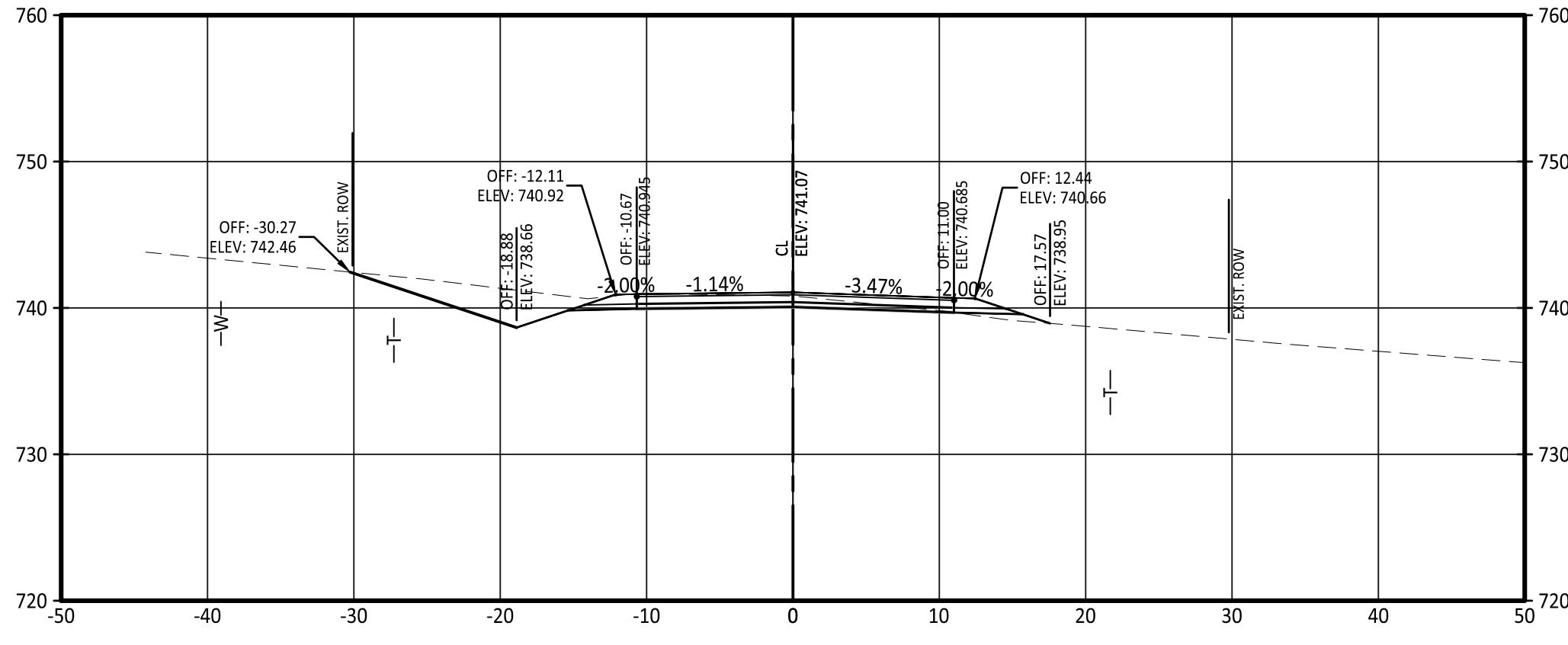
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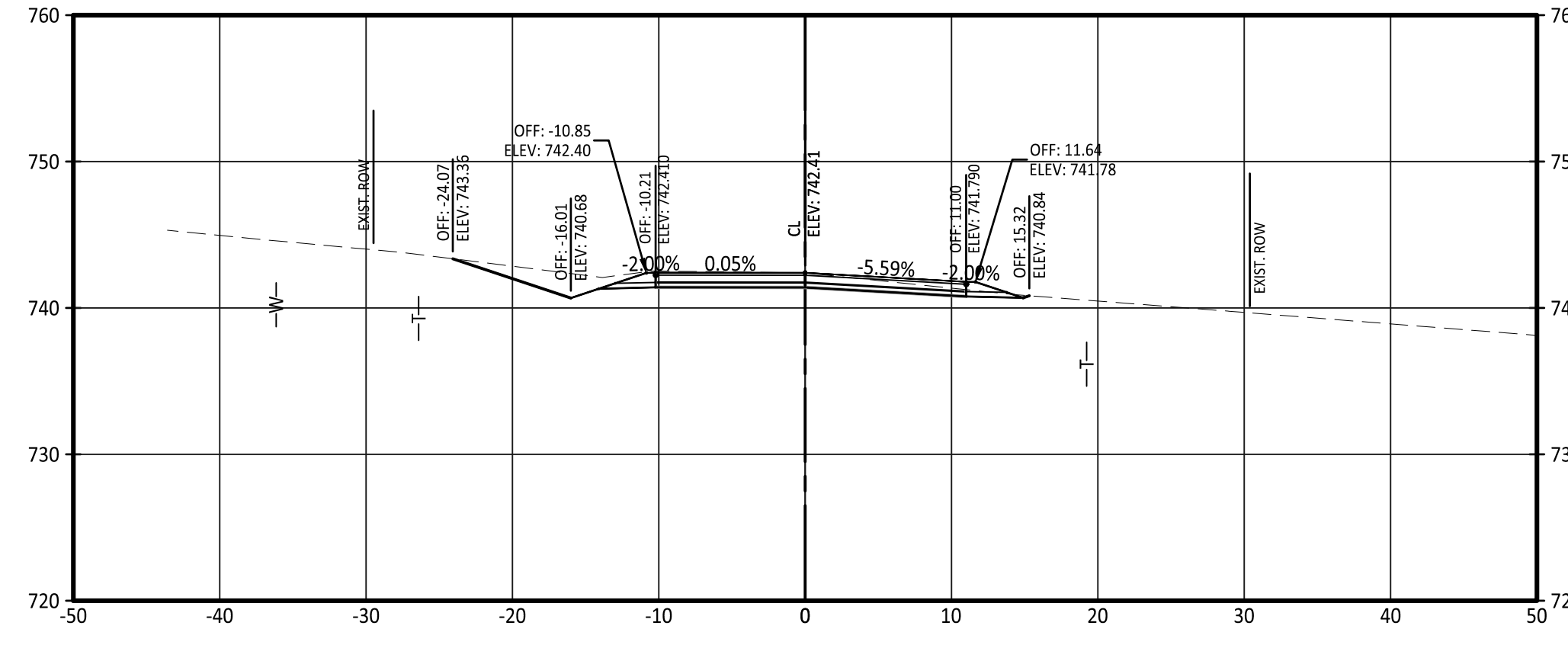
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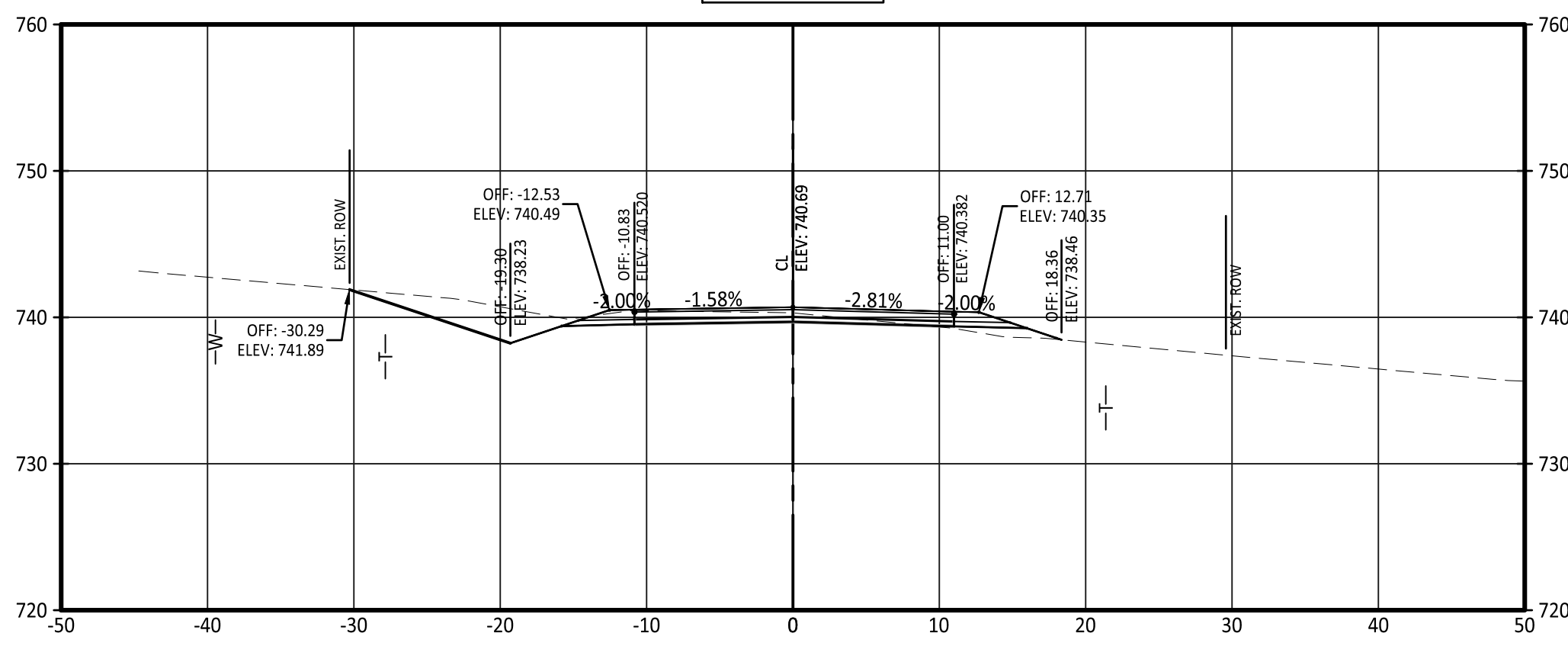
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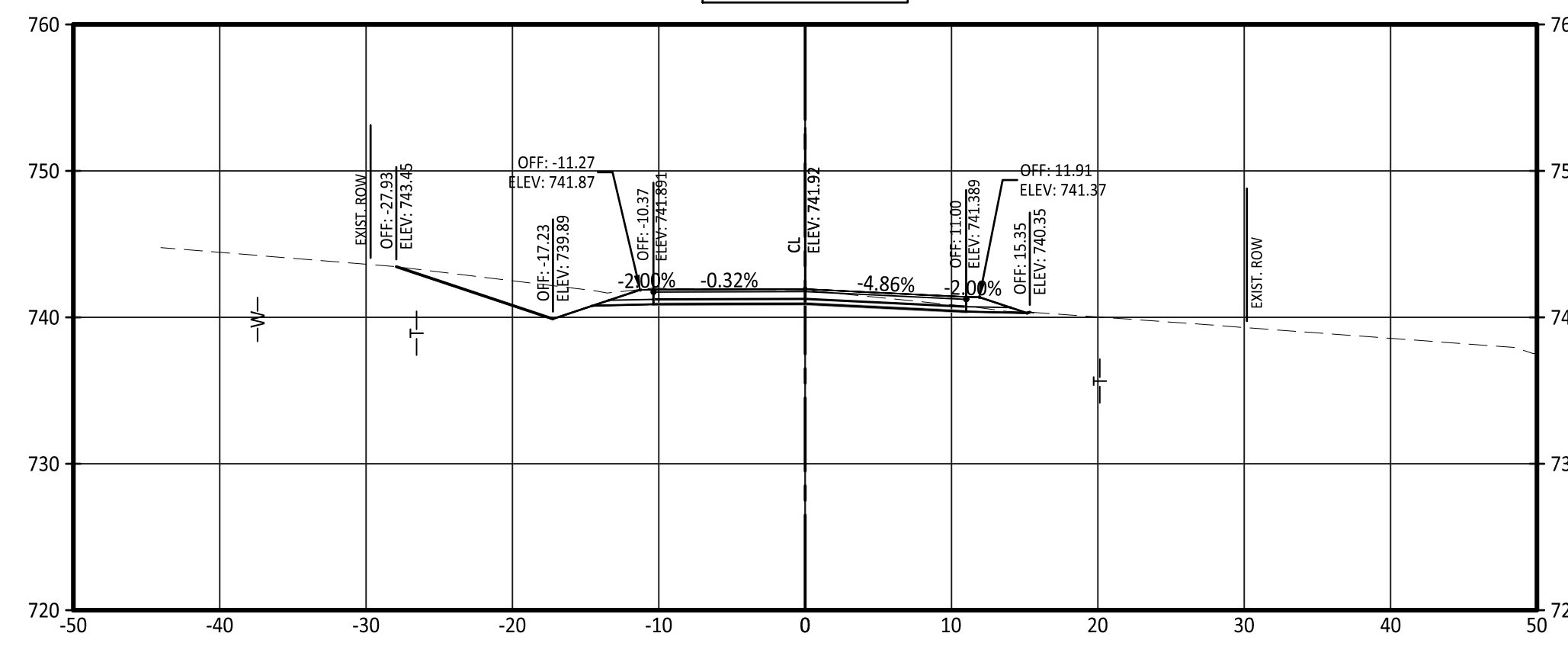
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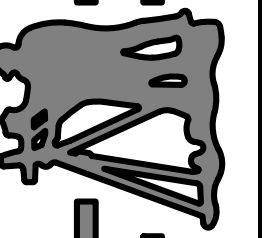
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 IMPROVEMENTS, PROJECT # 2022-601-1

COLE COUNTY PUBLIC WORKS

TANNER BRIDGE ROAD
 COLE COUNTY, MISSOURI

CMPS JOB No. 17-035

DRN. BY: PPK

CKD. BY: CFB

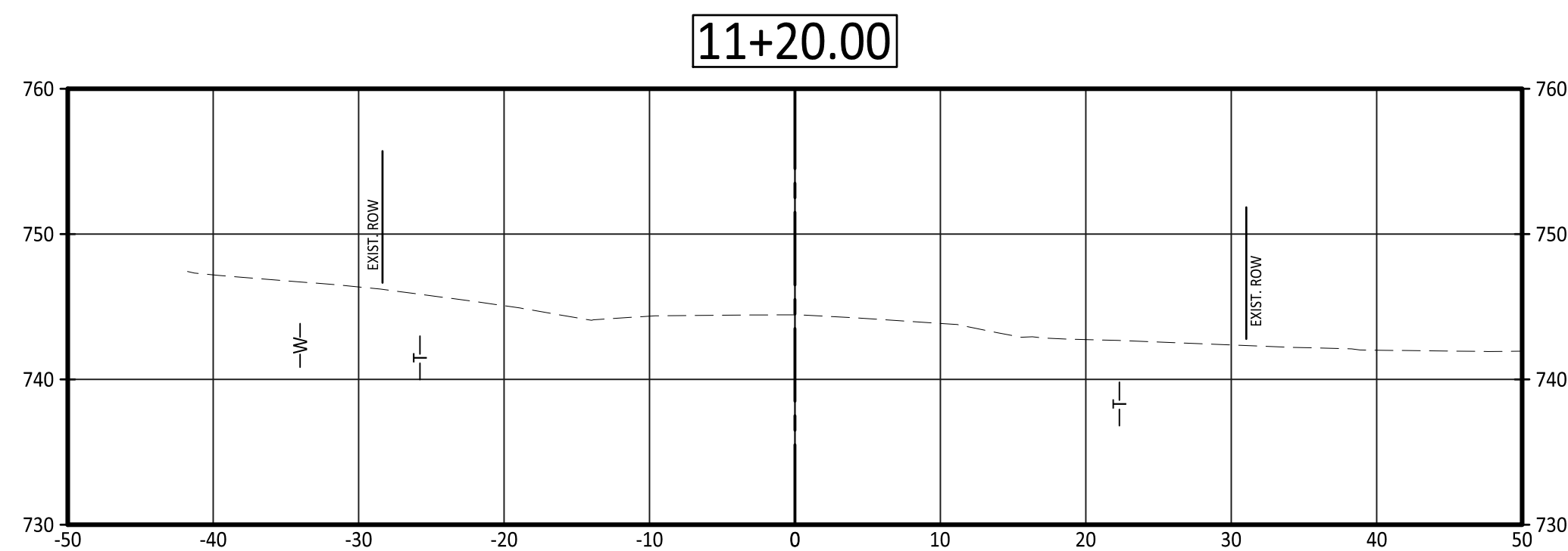
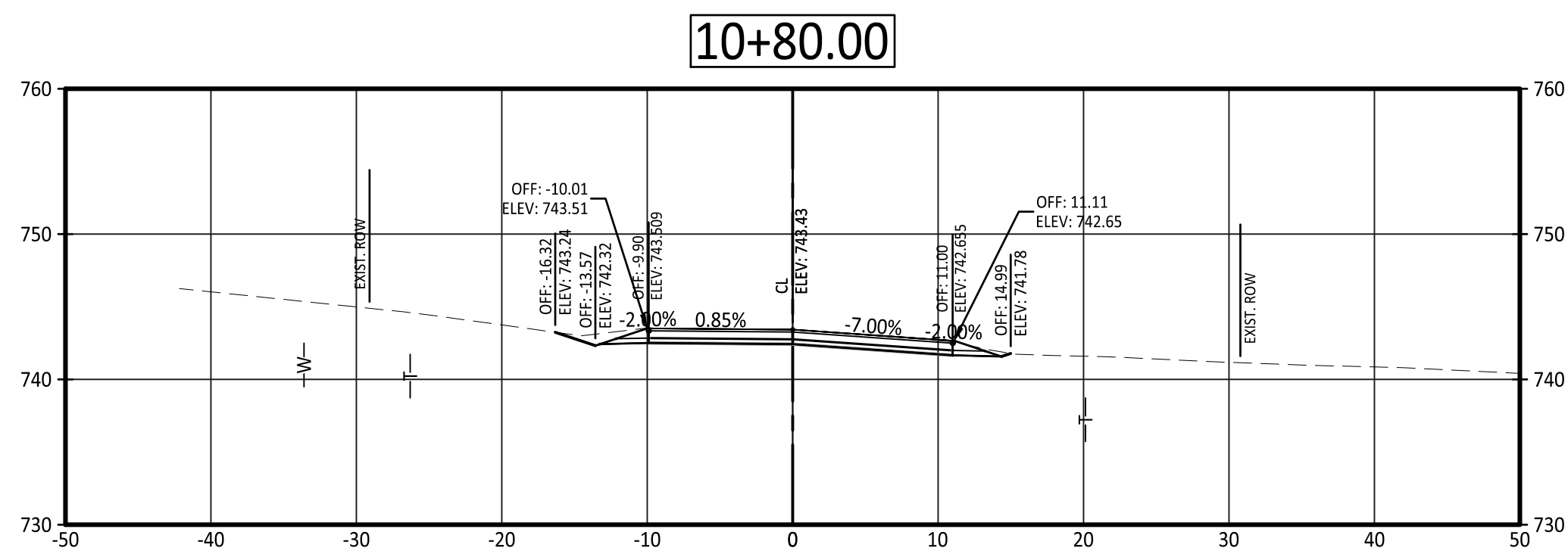
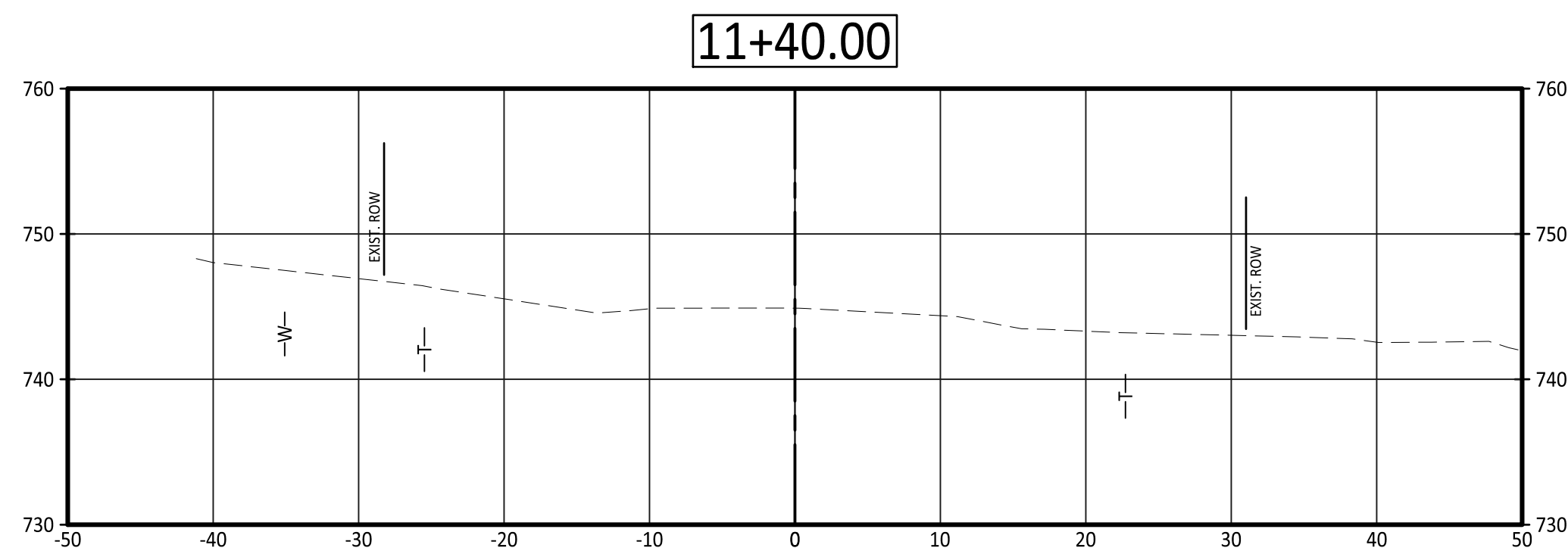
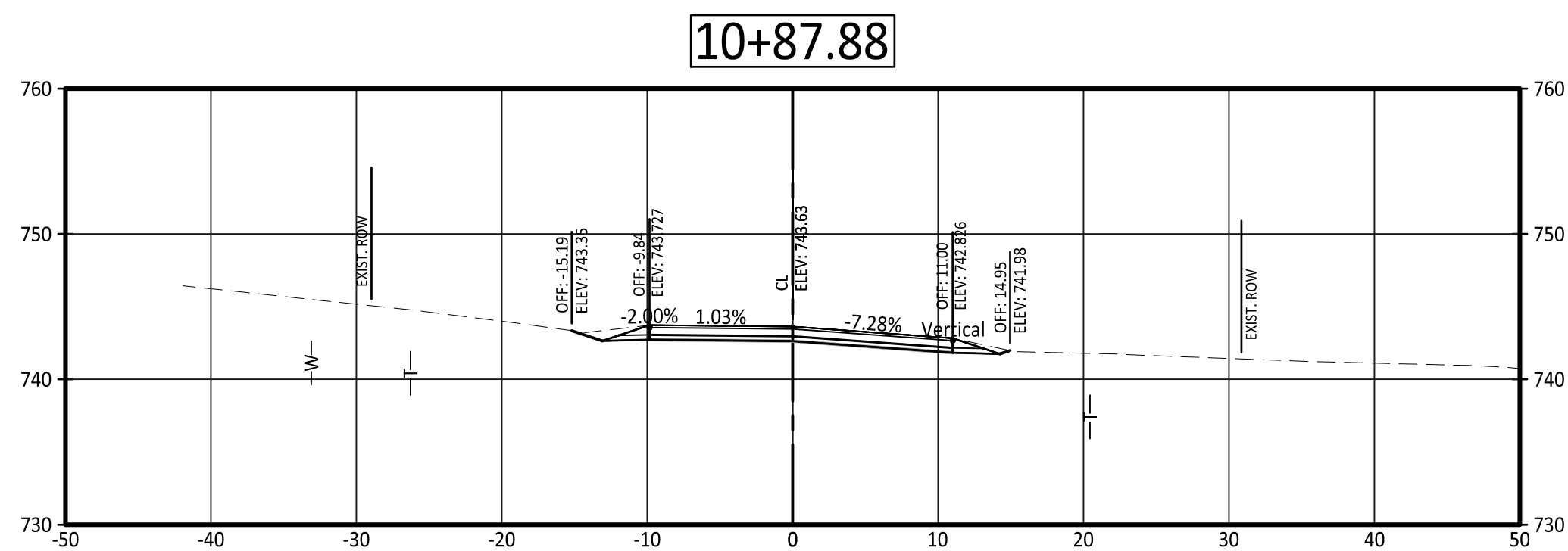
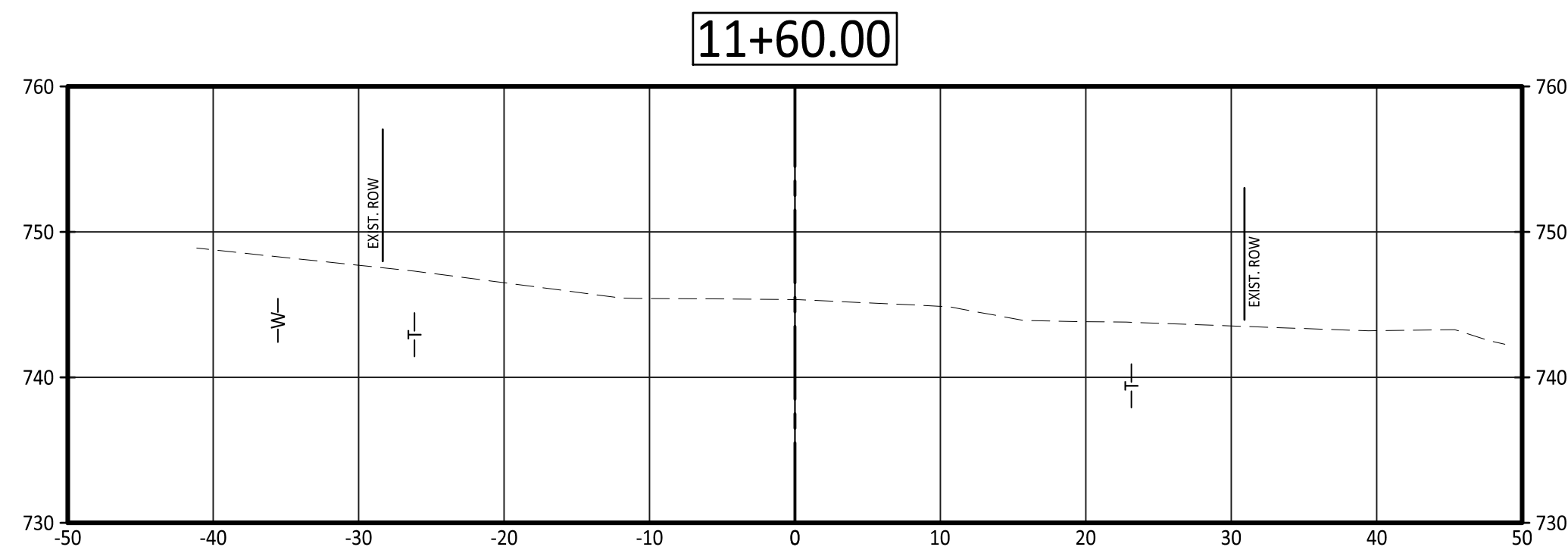
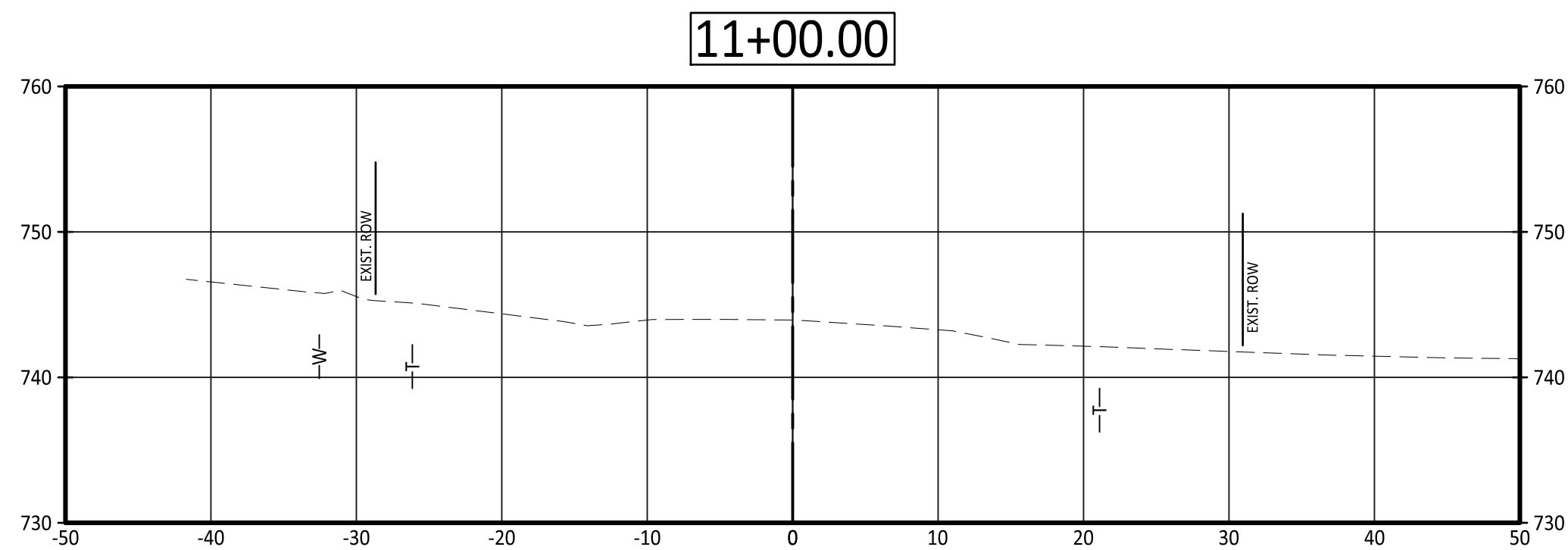
SCALE: AS INDICATED

SHEET TITLE
CROSS SECTIONS

SHEET NUMBER

12

OF 13 SHEETS



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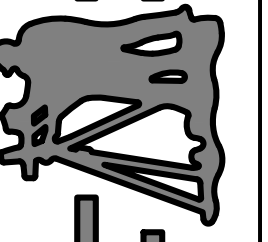
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Missouri State Certificate of Authority #001559



12/16/2021

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MO# PE-2012018094

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IMPROVEMENTS, PROJECT # 2022-601-1

COLE COUNTY PUBLIC WORKS

TANNER BRIDGE ROAD
COLE COUNTY, MISSOURI

CMPS JOB No. 17-035

DRN. BY: PPK CKD. BY: CFB

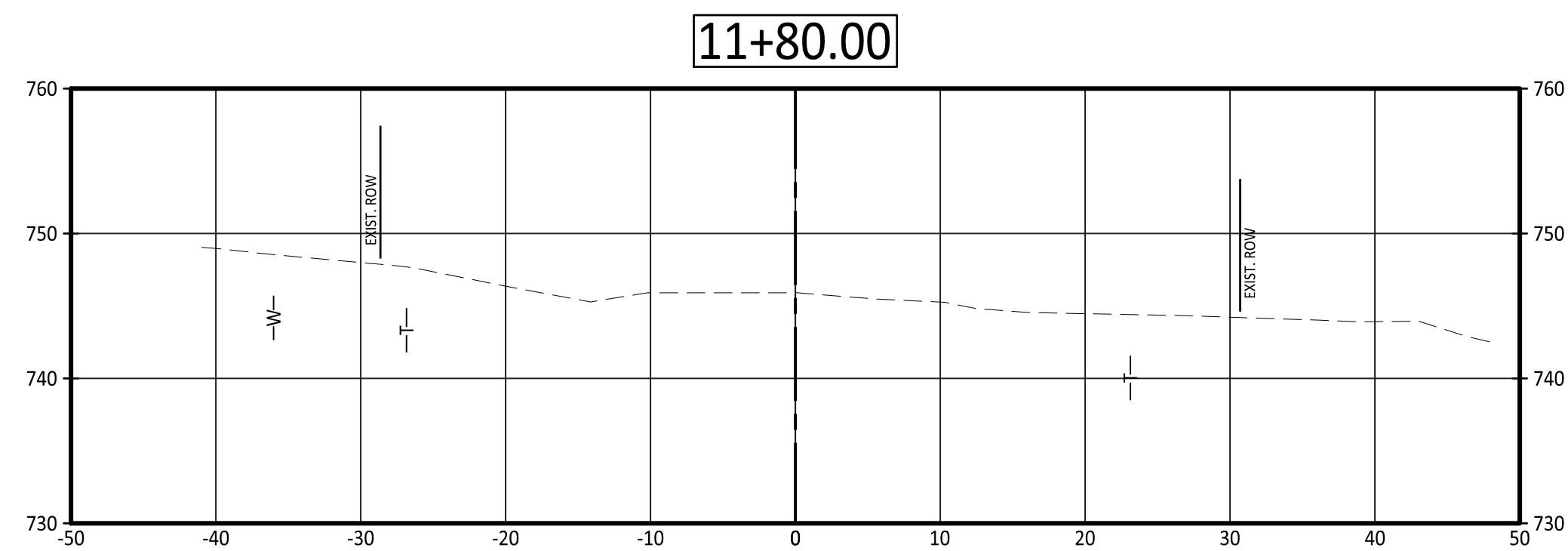
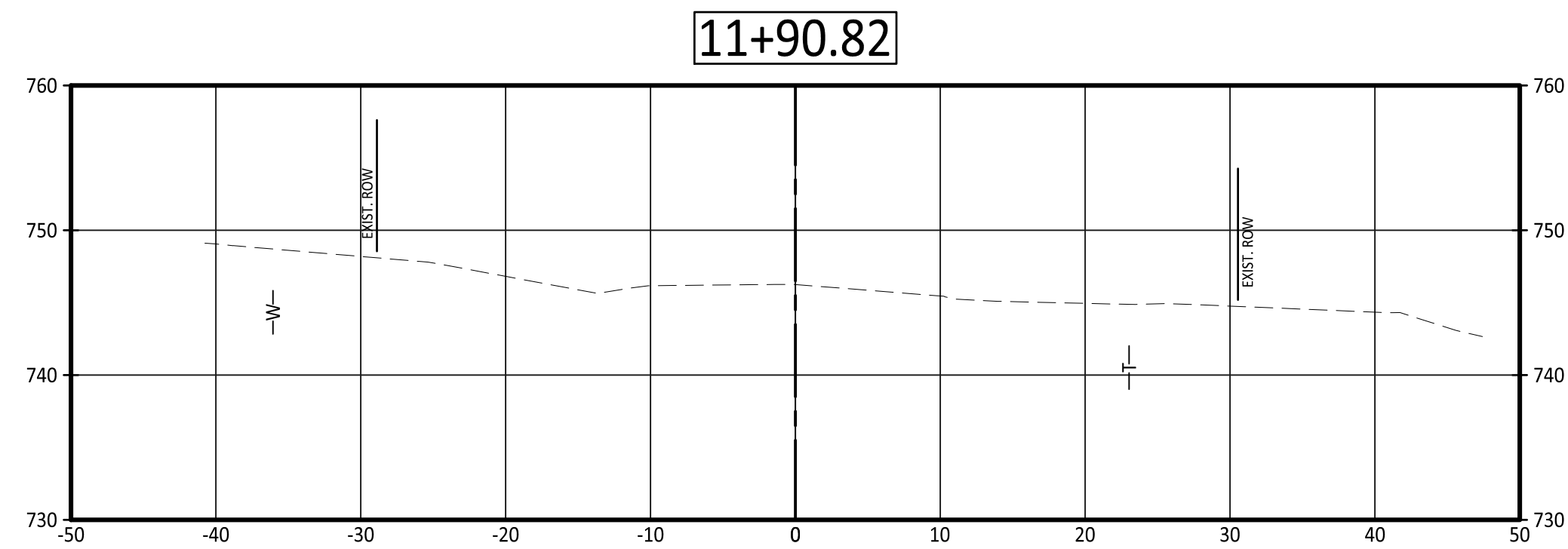
SCALE: AS INDICATED

SHEET TITLE
CROSS SECTIONS

SHEET NUMBER

13

OF 13 SHEETS



Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+00.00	0.00	0.00	0.00	0.00	0.00	0.00
0+20.00	0.00	0.00	0.00	0.00	0.00	0.00
0+40.00	0.00	0.00	0.00	0.00	0.00	0.00
0+48.41	0.00	43.20	0.00	6.73	0.00	6.73
0+60.00	0.24	29.59	0.05	15.62	0.05	22.35
0+80.00	0.00	27.40	0.09	21.11	0.14	43.45
1+00.00	0.01	30.42	0.00	21.41	0.14	64.87
1+20.00	0.09	36.86	0.04	24.92	0.18	89.79
1+40.00	0.13	45.39	0.08	30.46	0.26	120.25
1+60.00	0.26	54.43	0.15	36.97	0.41	157.23
1+80.00	0.45	62.61	0.26	43.35	0.67	200.57
1+98.41	0.52	63.50	0.33	43.00	1.00	243.58
2+00.00	0.53	62.72	0.03	3.71	1.04	247.29
2+20.00	1.21	53.02	0.64	42.86	1.68	290.15
2+39.88	2.04	52.98	1.20	39.03	2.88	329.18
2+40.00	2.03	53.02	0.01	0.23	2.89	329.41
2+60.00	2.27	58.96	1.59	41.47	4.48	370.88
2+80.00	1.32	69.72	1.33	47.66	5.81	418.54
2+81.35	0.00	72.51	0.03	3.56	5.84	422.11
3+00.00	0.00	83.81	0.00	53.98	5.84	476.09
3+20.00	1.55	86.78	0.57	63.18	6.42	539.27
3+38.58	0.55	104.76	0.72	65.91	7.14	605.18
3+40.00	0.50	105.77	0.03	5.53	7.16	610.71
3+60.00	0.00	123.94	0.19	83.40	7.35	694.11
3+80.00	0.00	143.77	0.00	97.30	7.35	791.42
3+80.88	0.00	144.71	0.00	4.72	7.35	796.13
4+00.00	0.00	165.19	0.00	107.81	7.35	903.94
4+20.00	0.00	183.17	0.00	127.13	7.35	1031.08
4+40.00	0.00	219.66	0.00	147.56	7.35	1178.64
4+60.00	0.00	245.85	0.00	170.98	7.35	1349.61
4+80.00	0.00	271.33	0.00	190.42	7.35	1540.03
5+00.00	0.00	291.27	0.00	207.80	7.35	1747.83
5+20.00	0.05	312.85	0.02	223.86	7.37	1971.69
5+40.00	0.00	321.73	0.02	235.86	7.38	2207.54
5+60.00	0.00	316.14	0.00	237.49	7.38	2445.03
5+68.15	0.00	299.89	0.00	93.00	7.38	2538.03
5+80.00	0.00	270.08	0.00	125.05	7.38	2663.09
6+00.00	0.00	207.17	0.00	177.61	7.38	2840.69
6+20.00	0.00	156.02	0.00	135.24	7.38	2975.94
6+40.00	0.12	83.41	0.04	89.18	7.43	3065.12
6+60.00	1.14	34.75	0.45	44.05	7.88	3109.17
6+80.00	17.61	9.11	6.82	16.48	14.70	3125.65
7+00.00	26.90	3.36	16.29	4.74	30.99	3130.38
7+20.00	39.88	1.12	24.54	1.70	55.53	3132.09
7+40.00	48.12	9.15	32.40	3.94	87.93	3136.02
7+55.42	45.56	14.98	26.62	7.14	114.55	3143.16
7+60.00	44.33	14.05	7.62	2.46	122.18	3145.63
7+80.00	48.11	0.35	34.17	5.52	156.35	3151.15
7+97.72	46.33	0.01	31.01	0.12	187.36	3151.27
8+00.00	46.50	0.00	3.91	0.00	191.27	3151.27

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
8+20.00	45.96	0.00	34.25	0.00	225.52	3151.27
8+40.00	37.13	0.08	30.77	0.03	256.29	3151.30
8+54.95	28.29	0.21	18.11	0.08	274.41	3151.38
8+60.00	23.81	0.52	4.87	0.07	279.28	3151.44
8+80.00	18.92	3.43	15.82	1.46	295.10	3152.91
8+96.42	11.73	23.24	9.32	8.11	304.42	3161.01
9+00.00	10.38	23.75	1.47	3.11	305.89	3164.13
9+20.00	7.86	30.74	6.75	20.18	312.64	3184.31
9+37.88	6.27	41.40	4.68	23.89	317.32	3208.20
9+40.00	5.83	40.64	0.47	3.22	317.80	3211.42
9+60.00	3.21	33.90	3.35	27.61	321.15	3239.03
9+80.00	1.64	39.26	1.80	27.09	322.94	3266.12
10+00.00	0.00	43.82	0.61	30.77	323.55	3296.89
10+20.00	0.00	38.98	0.00	30.67	323.55	3327.55
10+40.00	0.00	32.76	0.00	26.57	323.55	3354.12
10+60.00	0.00	28.88	0.00	22.83	323.55	3376.95
10+80.00	0.00	26.94	0.00	20.68	323.55	3397.63
10+87.88	0.00	26.66	0.00	7.82	323.55	3405.45
11+00.00	0.00	0.00	0.00	5.98	323.55	3411.43
11+20.00	0.00	0.00	0.00	0.00	323.55	3411.43
11+40.00	0.00	0.00	0.00	0.00	323.55	3411.43
11+60.00	0.00	0.00	0.00	0.00	323.55	3411.43
11+80.00	0.00	0.00	0.00	0.00	323.55	3411.43
11+90.82	0.00	0.00	0.00	0.00	323.55	3411.43

NOTE: THE EARTHWORK QUANTITIES SHOWN ARE RAW VOLUMES FROM CROSS SECTION CALCULATIONS AND SHOULD BE CONSIDERED FOR INFORMATIONAL PURPOSES ONLY. VOLUMES ARE CALCULATED FROM EXISTING GRADES TO PROPOSED SUBGRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING ANY ADJUSTMENTS NECESSARY TO ACCOUNT FOR PAVEMENT REMOVALS, ADDITIONAL EARTHWORK FOR ENTRANCES, CONSTRUCTION PHASING, OR OTHER EARTHWORK NECESSARY TO COMPLETE THE PROJECT.