

# RIVER ROAD MULTI-USE TRAIL

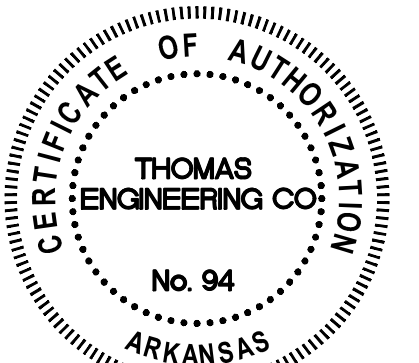


**THIS PROJECT**

VICINITY MAP

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EROSION CONTROL PLAN .....	C3
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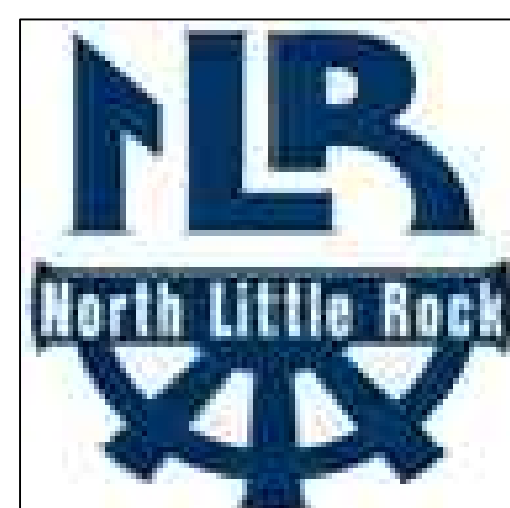


**CITY OF  
NORTH LITTLE ROCK, ARKANSAS**

<p><b>THOMAS ENGINEERING COMPANY</b></p> <p>3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116 TEL: 501-753-4463 FAX: 501-753-6814</p>	<p>TRAIL IMPROVEMENTS FOR RIVER ROAD MULTI-USE TRAIL</p>		
	<p>APPROVED</p>	<p>DRAWN BY JB</p>	<p>DATE 7/30/21</p>

RIVER ROAD BIKE TRAIL.dwg

PLOTTED: 7/30/2021



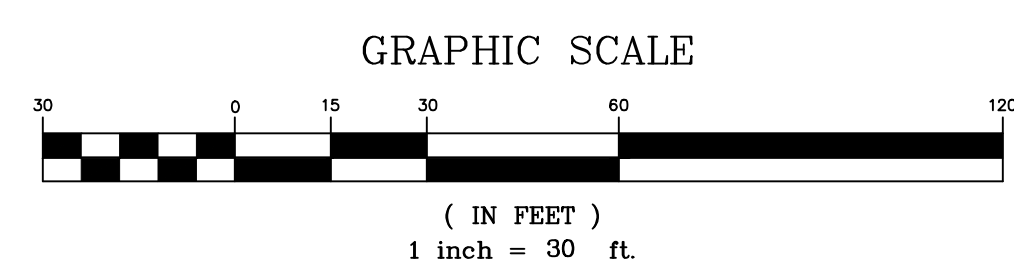
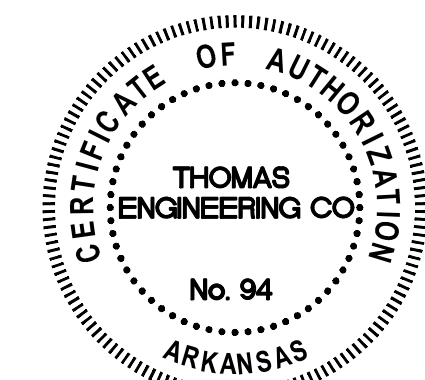
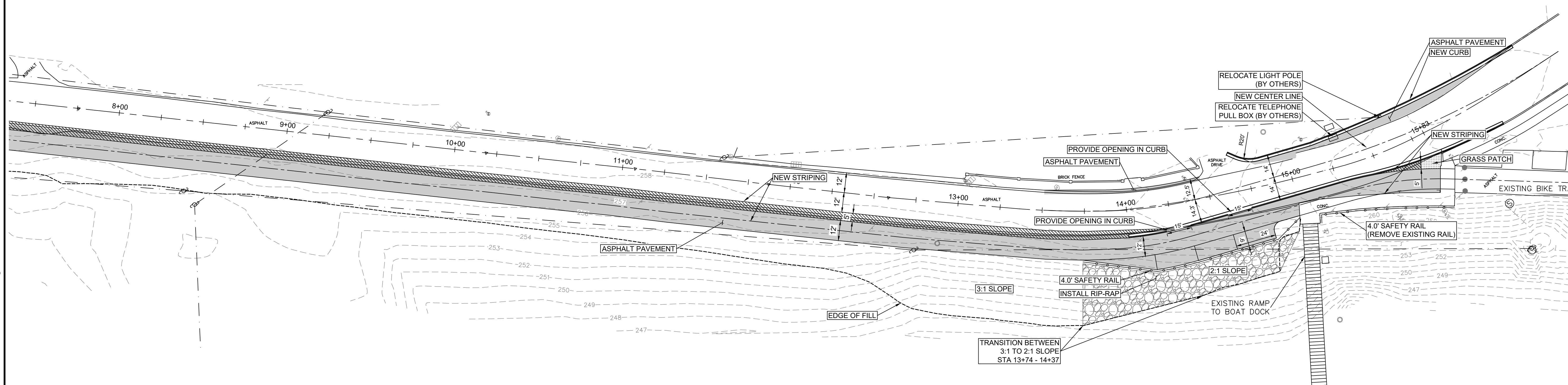


RIVER ROAD BIKE TRAIL.dwg

PLOTTED: 7/30/2021

### LEGEND

- — — — — PROPERTY LINE
- — — — — OVERHEAD ELECTRIC LINE
- — — — — ROADWAY LANE STRIPPING
- — — — — STORM DRAIN LINE
- — — — — CURB & GUTTER
- — — — — WROUGHT IRON FENCE
- SIGN POLE
- LIGHT POLE
- UTILITY POLE & GUY
- ⊙ GAS METER
- ⊙ WATER METER
- ⊙ TELEPHONE PEDESTAL
- ⊙ FIRE HYDRANT
- FOUND SURVEY MARKER
- MAIL BOX



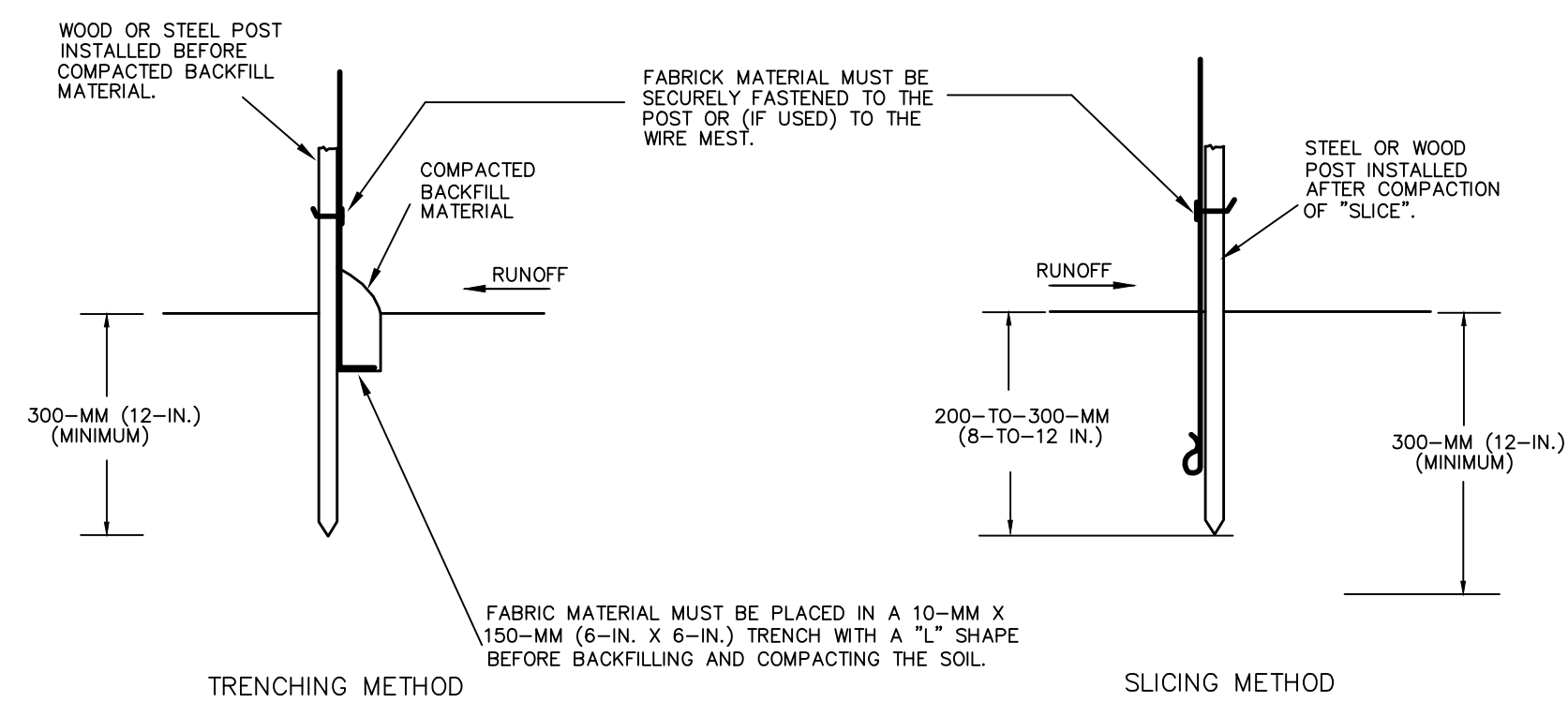
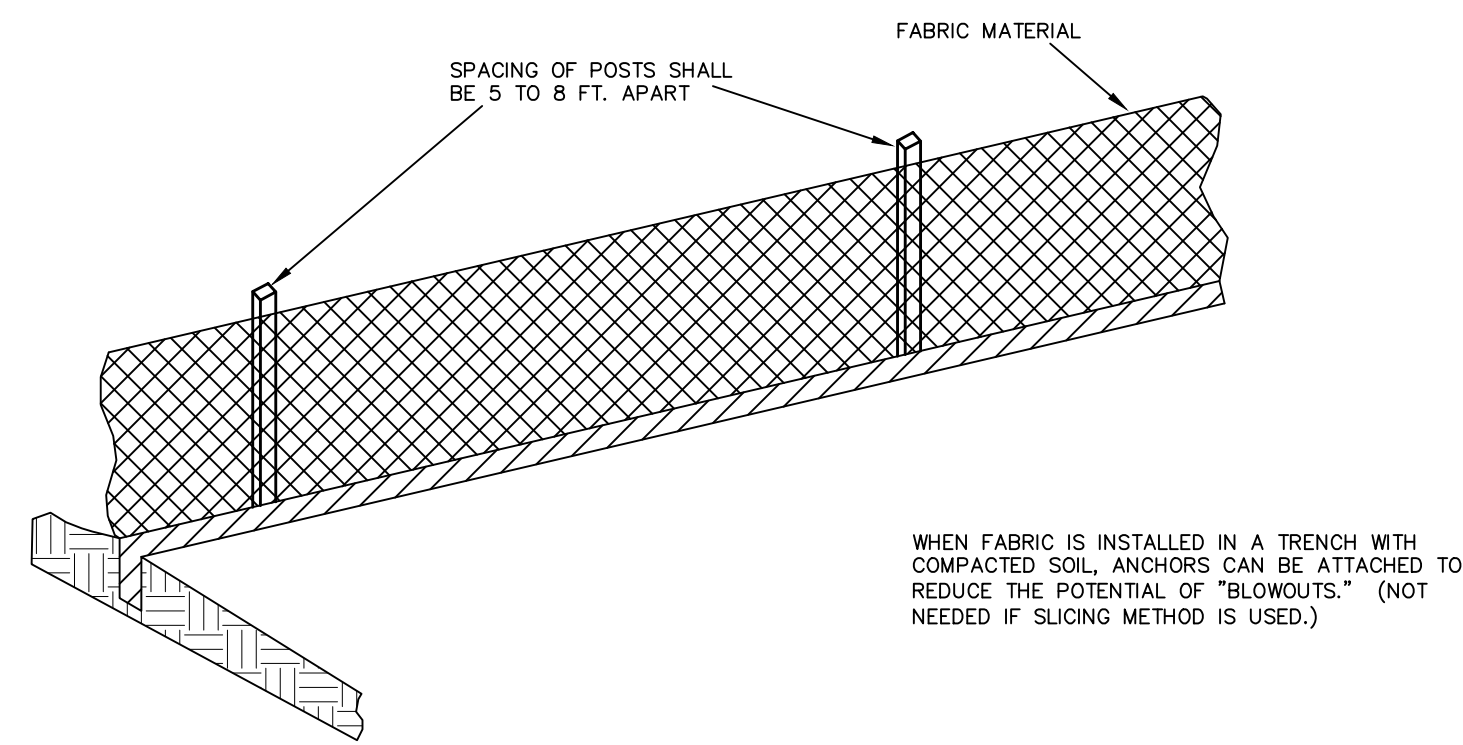
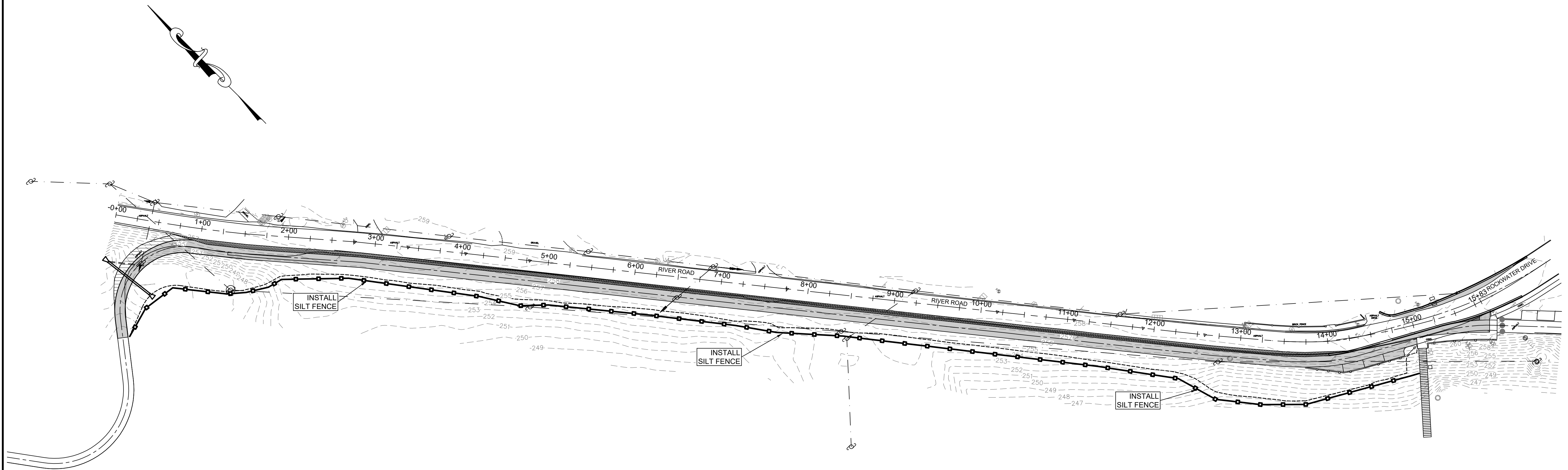
**TE** THOMAS ENGINEERING COMPANY  
 3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
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**RIVER ROAD MULTI-USE TRAIL IMPROVEMENTS**  
 NORTH LITTLE ROCK, ARKANSAS

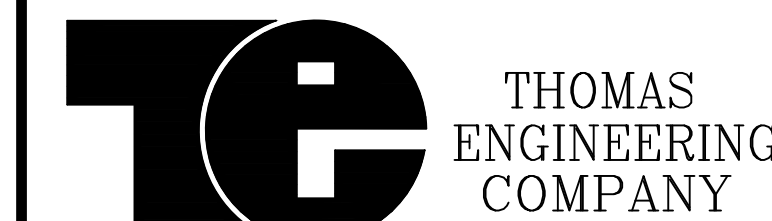
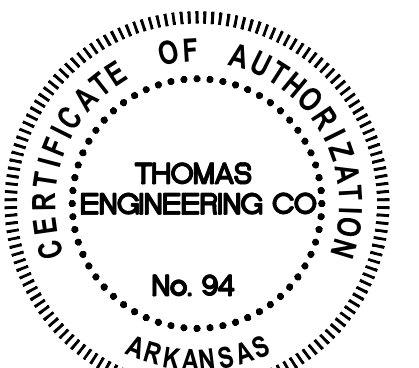
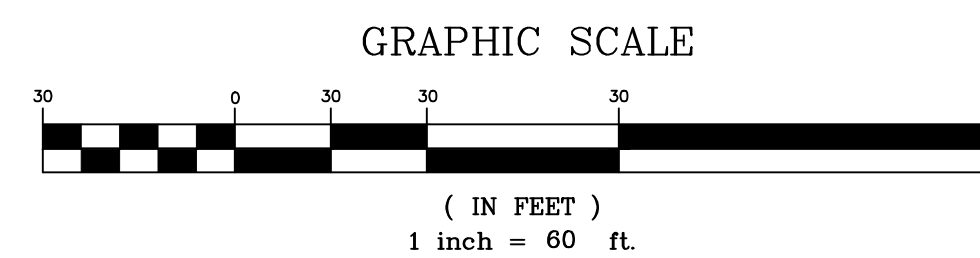
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SCALE 1" = 30'			

RIVER ROAD BIKE TRAIL.dwg

PLOTTED: 7/30/2021



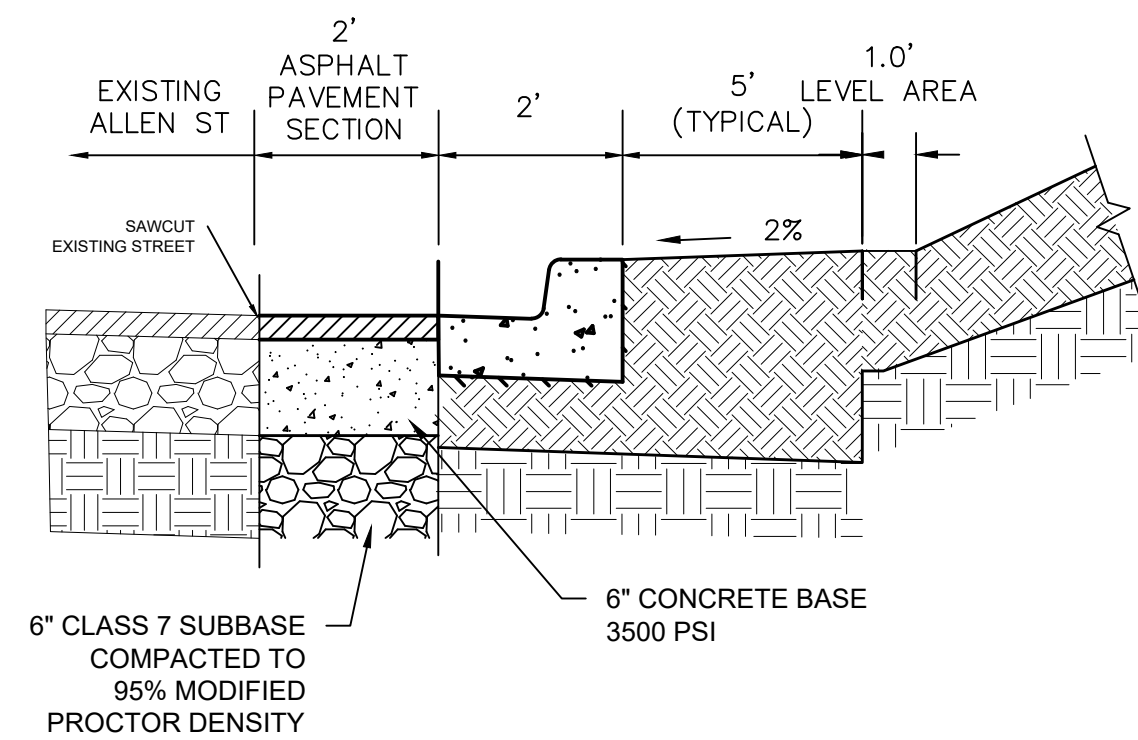
**SILT FENCE BARRIERS INSTALLATION**



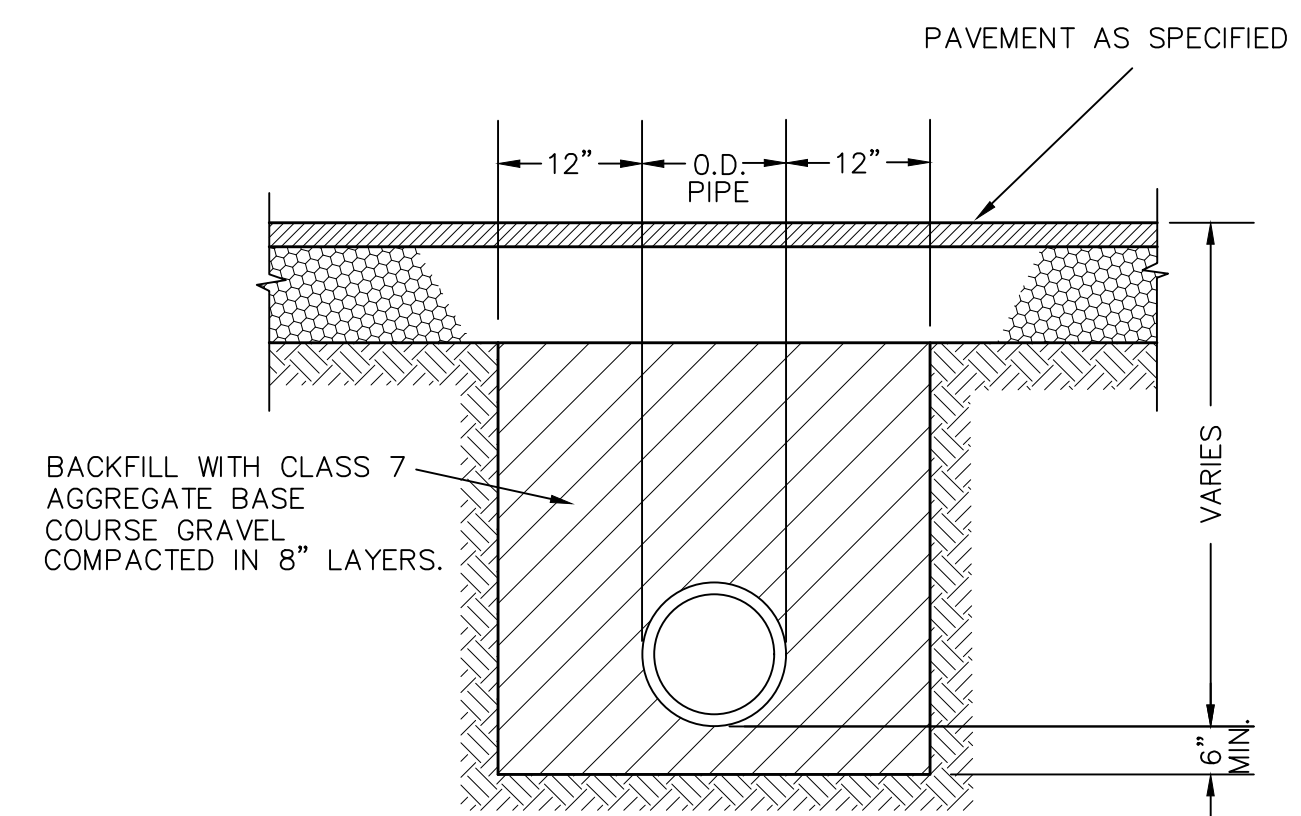
3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
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**RIVER ROAD  
 MULTI-USE TRAIL  
 EROSION CONTROL  
 NORTH LITTLE ROCK, ARKANSAS**

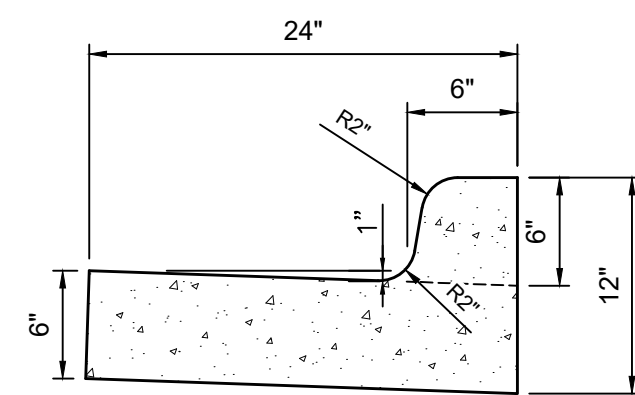
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SCALE 1" = 60'			



**ROAD WIDENING**



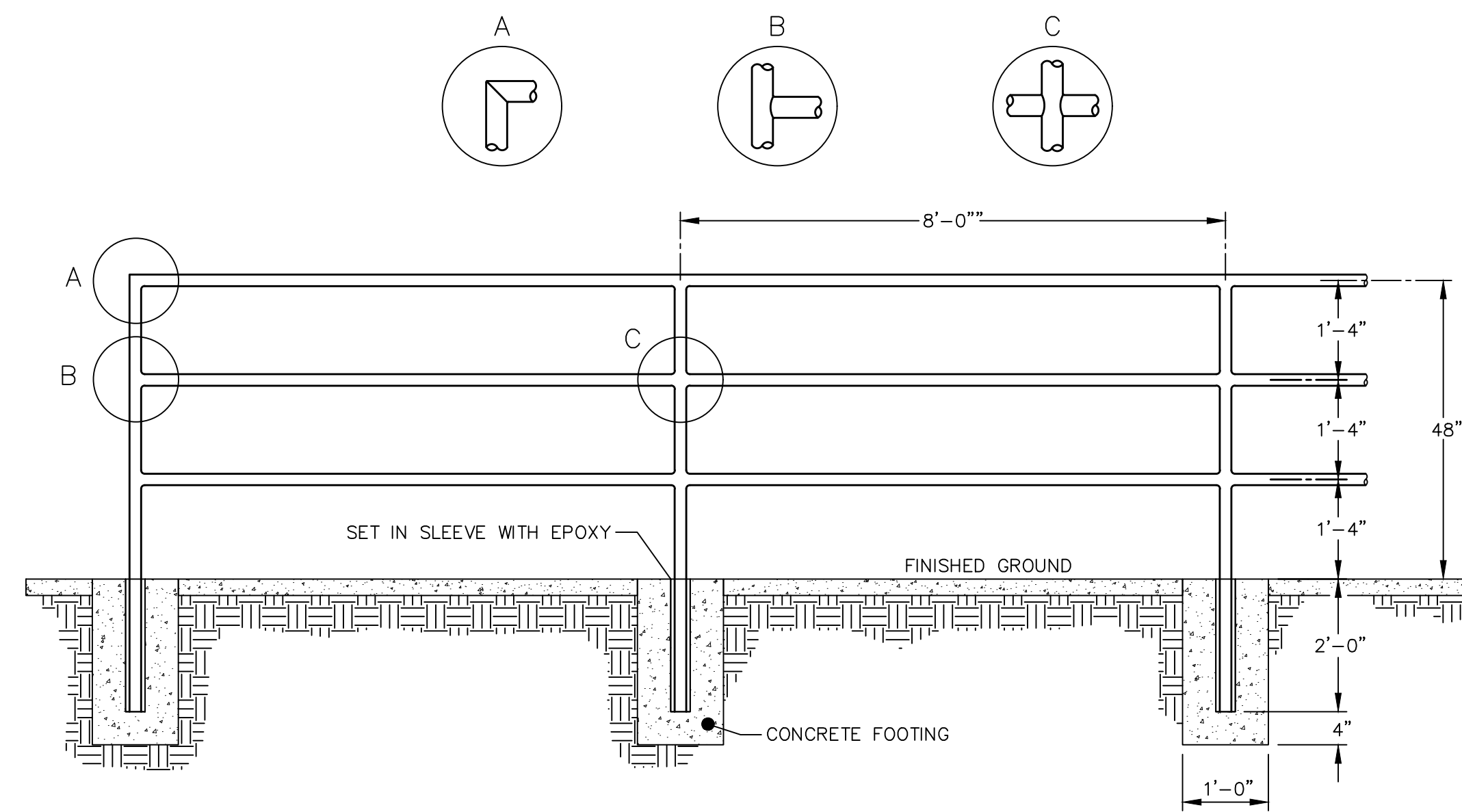
**PIPE TRENCH & BACKFILL SECTION DETAIL UNDER NEW PAVEMENT**



**6" VERTICAL CURB**

**NOTES ON CONCRETE CURB & GUTTER:**

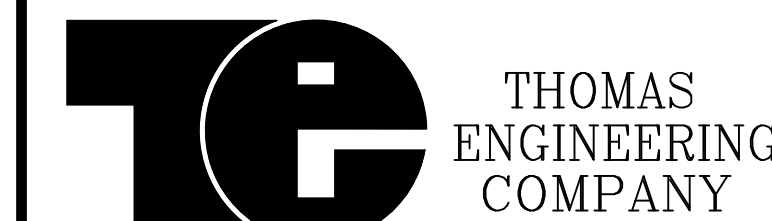
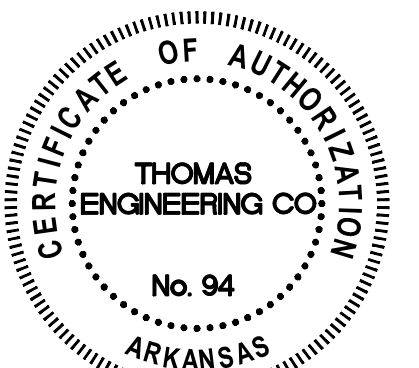
1. CONCRETE SHALL BE AHTD TYPE CLASS A OR CLASS S.
2. CONCRETE SHALL HAVE MINIMUM 4000 PSI COMPRESSIVE STRENGTH.
3. INSTALL 1/2" BITUMINOUS EXPANSION JOINT MATERIAL AT 100' MAXIMUM INTERVALS OR AT TIE INS TO BOXES, RADIUS RETURNS OR DRIVEWAY APRONS.
4. PROVIDE CONTROL JOINTS AT 15' MAXIMUM SPACING.
5. ROLL CURB ONLY BE USED WITH ENGINEER'S PERMISSION.



**NOTES:**

1. ALL CONCRETE TO BE 3000 P.S.I. COMPRESSIVE STRENGTH.
2. TYPE OF PIPE TO BE USED IS 1-7/8" MAXIMUM OUTER DIAMETER, SCHEDULE 40 AASHOT M270, GR. 36 GALVANIZED STEEL.
3. ALL JOINTS TO HAVE A 1/2" FILLET WELD.
4. AFTER INSTALLATION PRIME AND BRUSH PAINT ASSEMBLY WITH BLACK, ALL WEATHER ENAMEL.

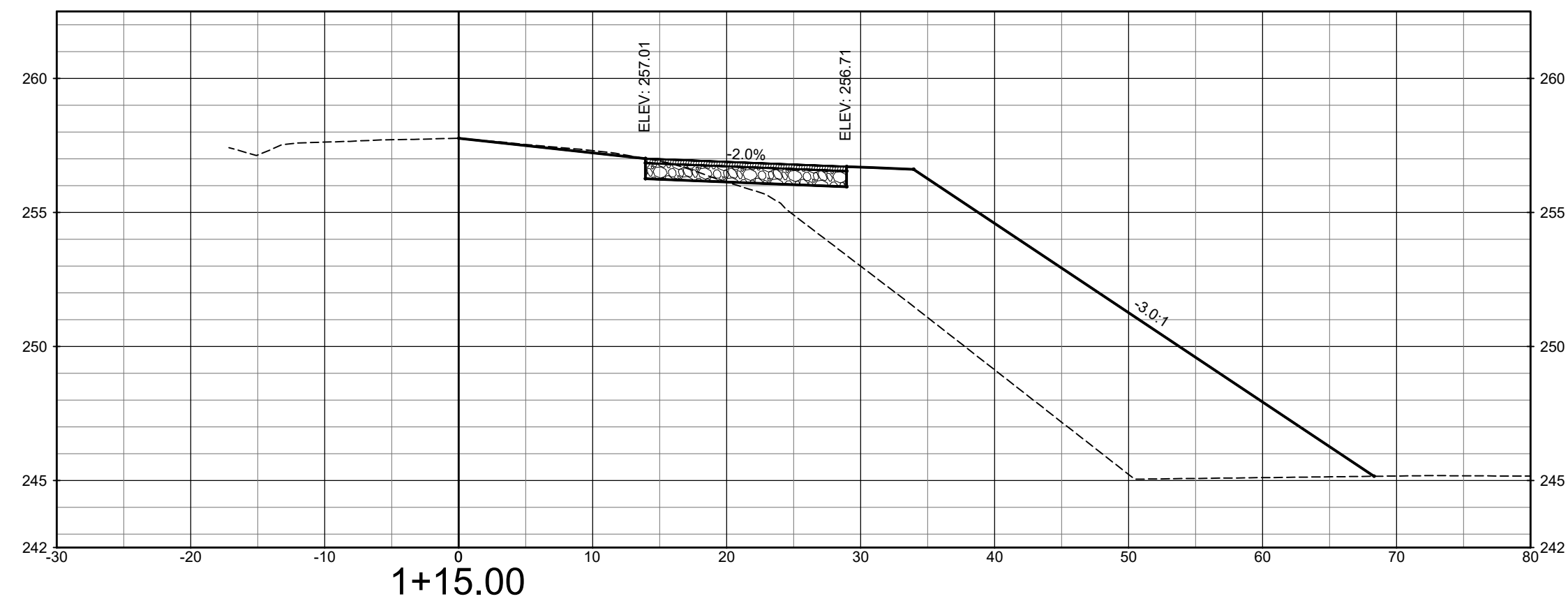
**STANDARD SAFETY RAIL**



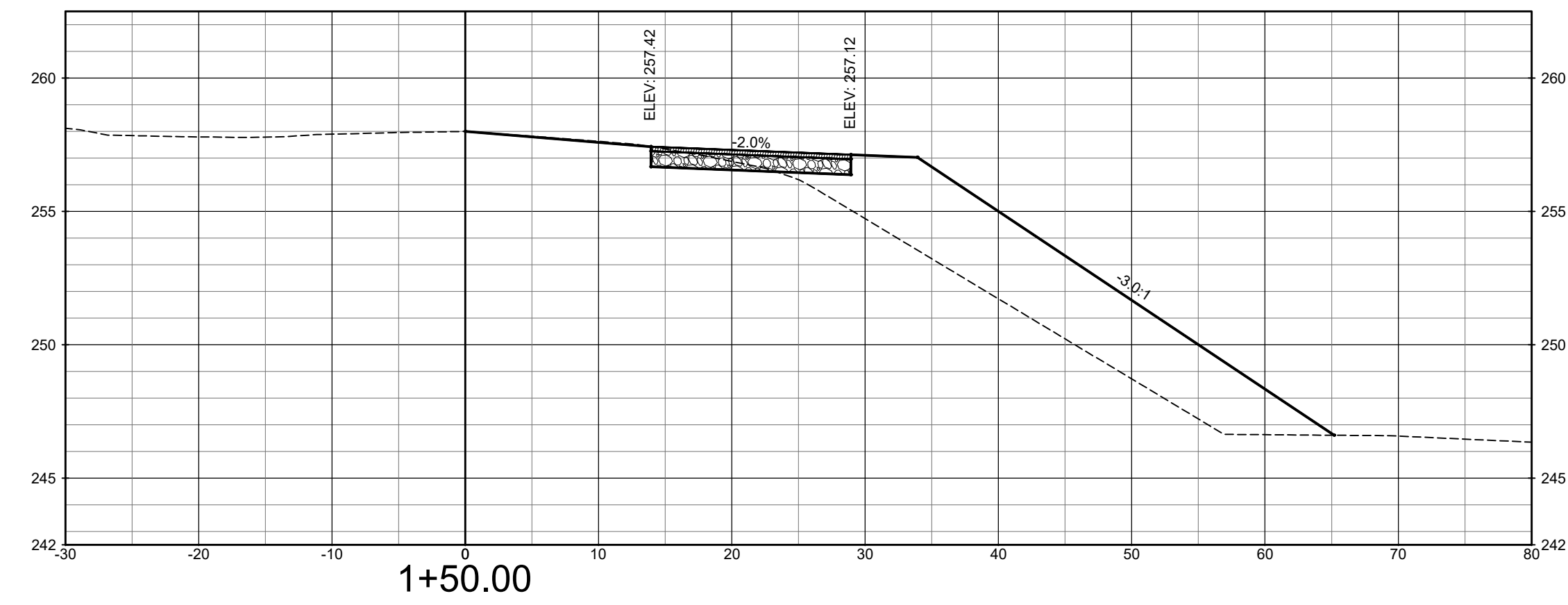
**RIVER ROAD MULTI-USE TRAIL DETAILS**  
NORTH LITTLE ROCK, ARKANSAS

3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
TEL: 501-753-4463 FAX: 501-753-6814

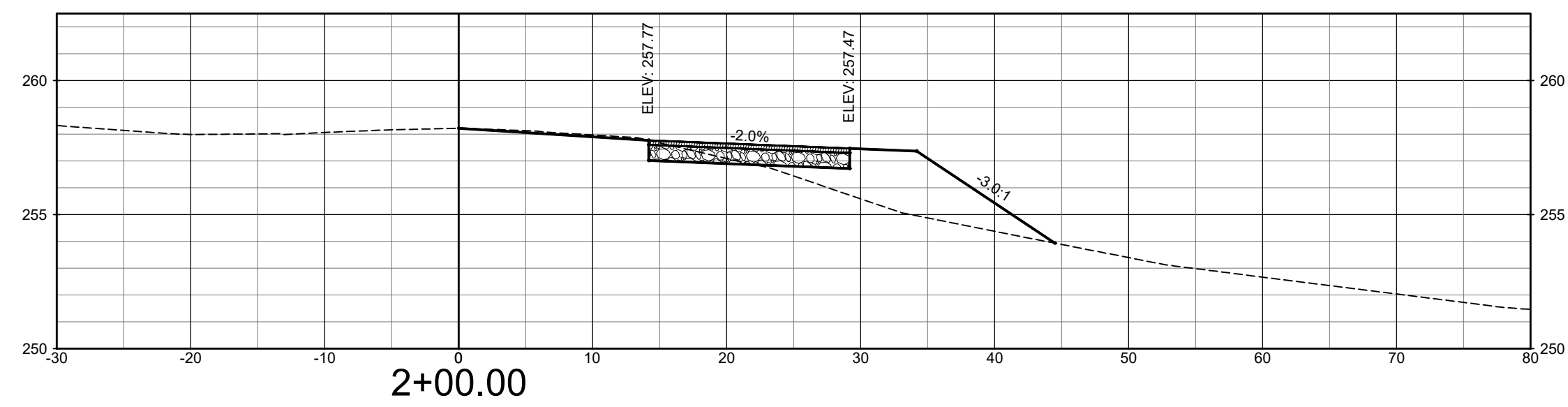
APPROVED	DRAWN BY JB	DATE 7/30/21	SHEET NO. <b>C4</b>
SCALE N.T.S.			



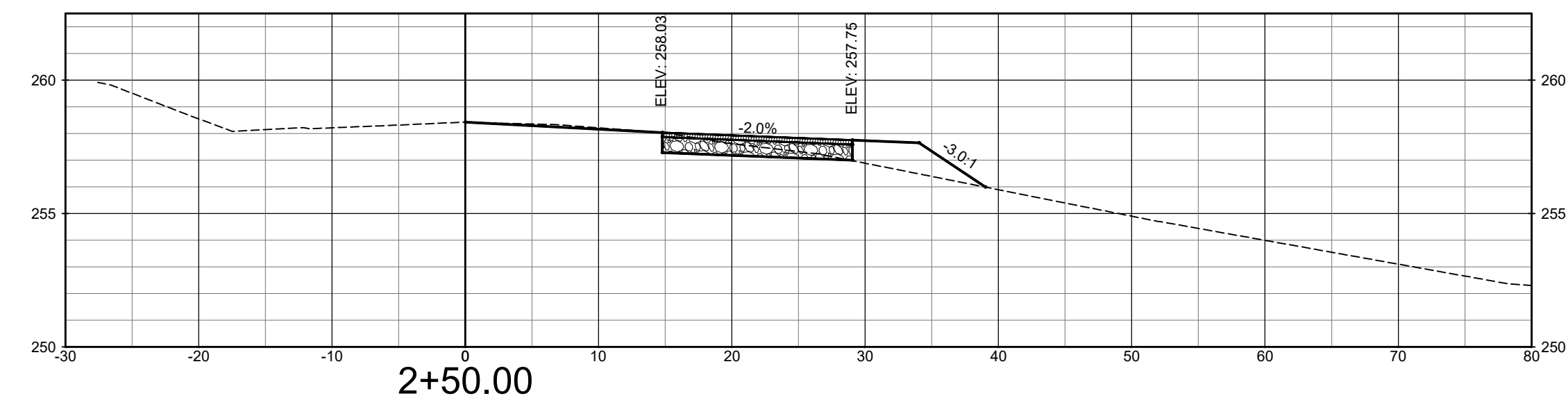
Total Volume at Station 1+15.00	
Cut Area	3.23
Fill Area	176.84
Cut Vol	0.00
Fill Vol	0.00
Cum Cut Vol	0.00
Cum Fill Vol	0.00
Net Vol	0.00



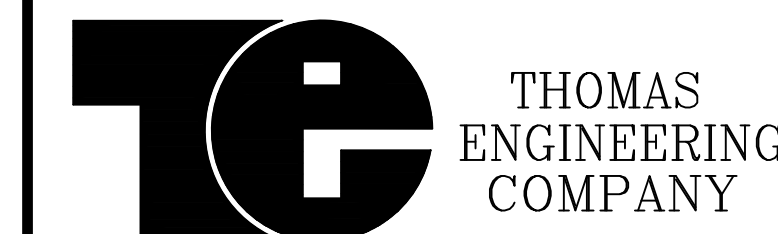
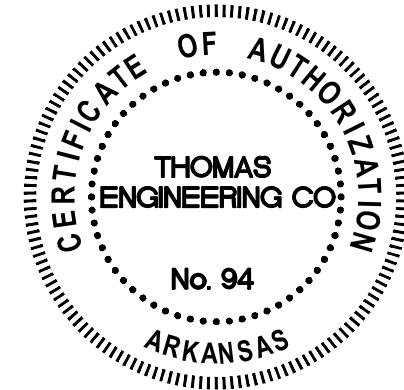
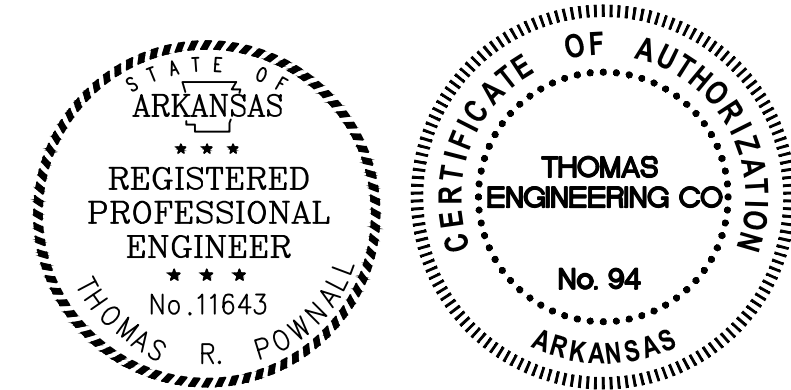
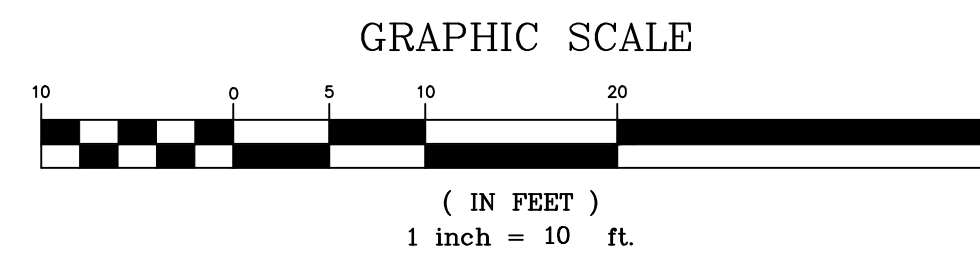
Total Volume at Station 1+50.00	
Cut Area	4.30
Fill Area	99.70
Cut Vol	4.99
Fill Vol	190.90
Cum Cut Vol	4.99
Cum Fill Vol	190.90
Net Vol	-185.91



Total Volume at Station 2+00.00	
Cut Area	3.72
Fill Area	26.31
Cut Vol	7.43
Fill Vol	116.67
Cum Cut Vol	12.42
Cum Fill Vol	307.57
Net Vol	-295.15



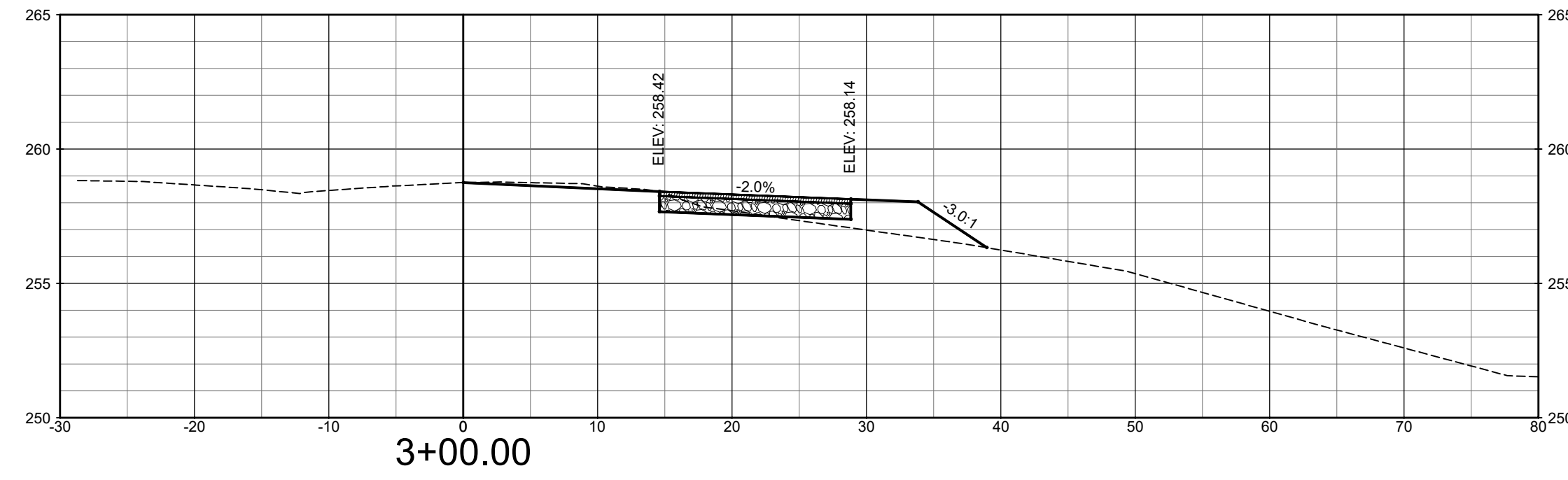
Total Volume at Station 2+50.00	
Cut Area	5.97
Fill Area	7.74
Cut Vol	8.97
Fill Vol	31.52
Cum Cut Vol	21.39
Cum Fill Vol	339.10
Net Vol	-317.71



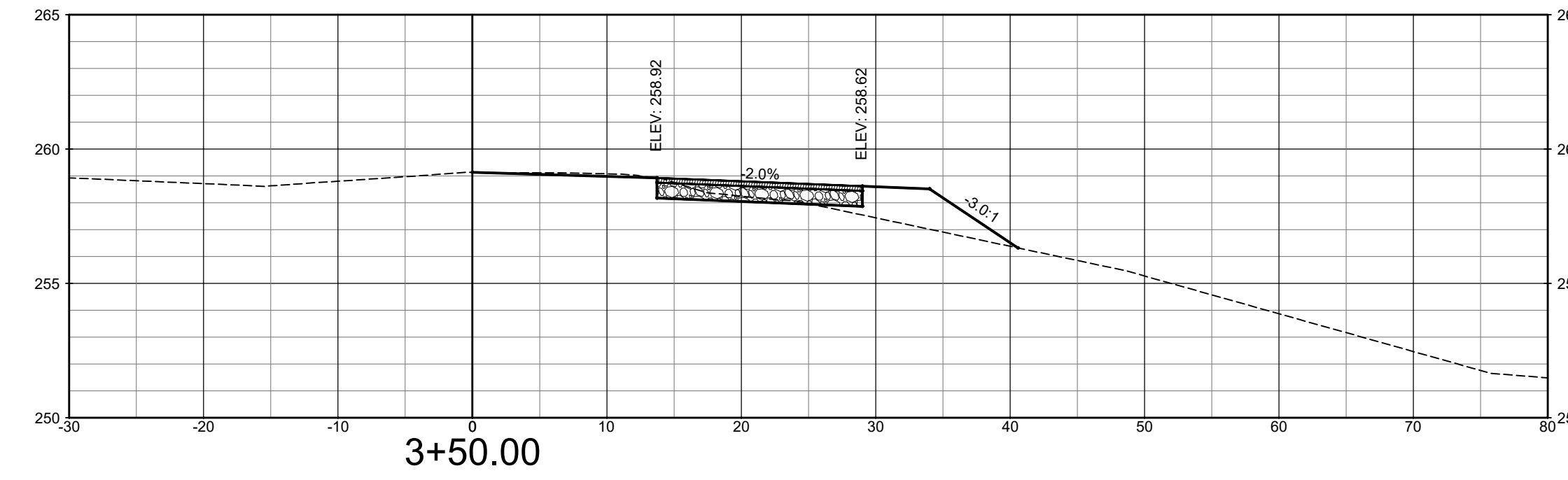
SECTION VIEWS  
RIVER ROAD  
MULTI-USE TRAIL  
NORTH LITTLE ROCK, ARKANSAS

3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
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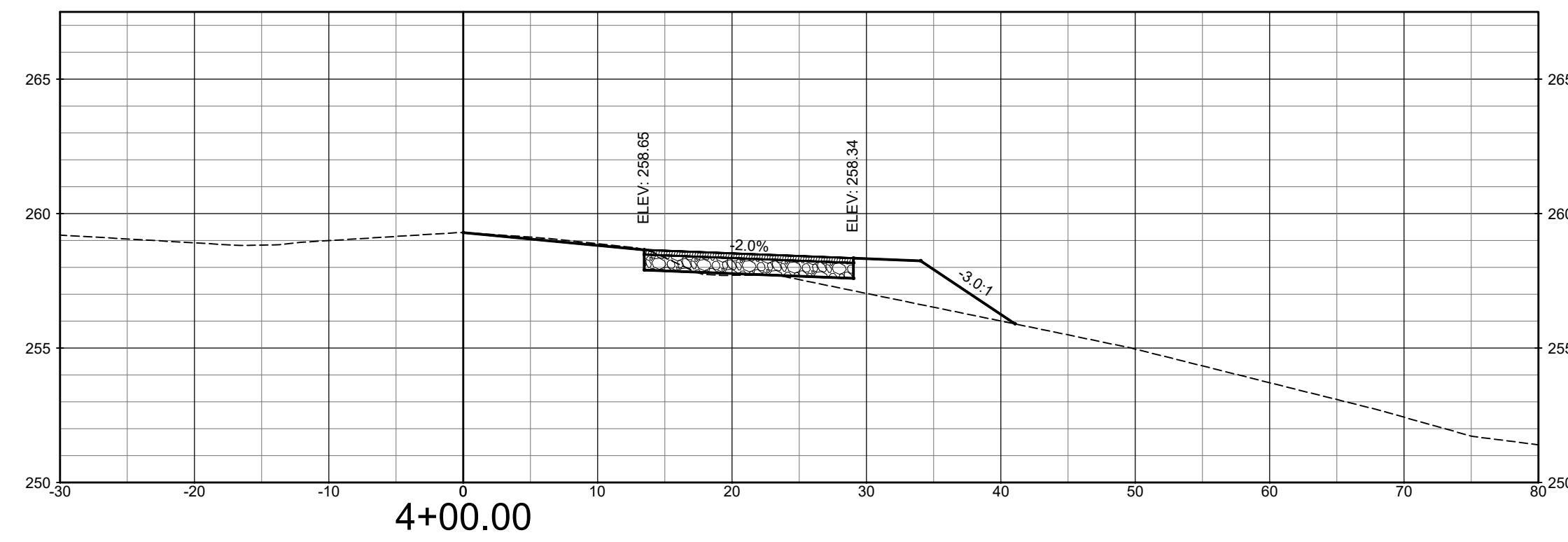
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SCALE 1" = 10'			



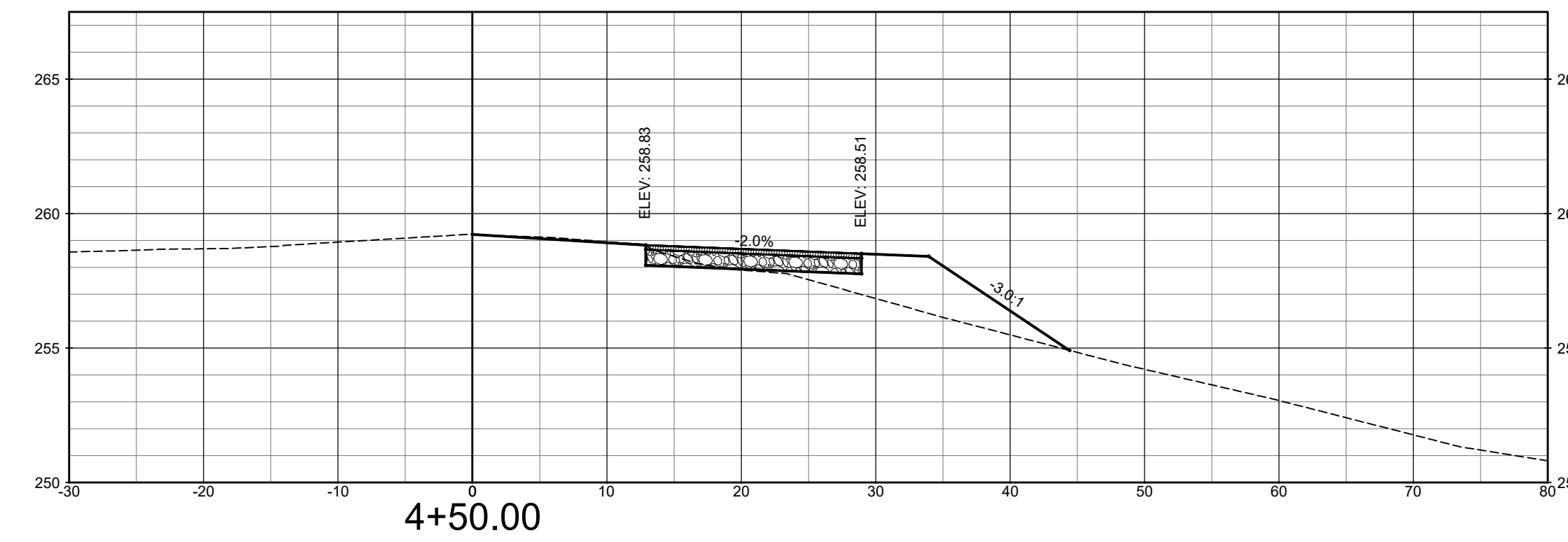
Total Volume at Station 3+00.00	
Cut Area	3.48
Fill Area	10.32
Cut Vol	8.67
Fill Vol	16.40
Cum Cut Vol	30.06
Cum Fill Vol	355.50
Net Vol	-325.44



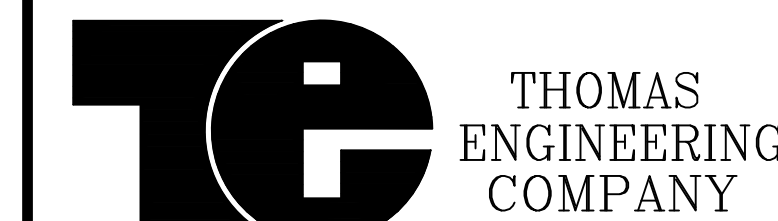
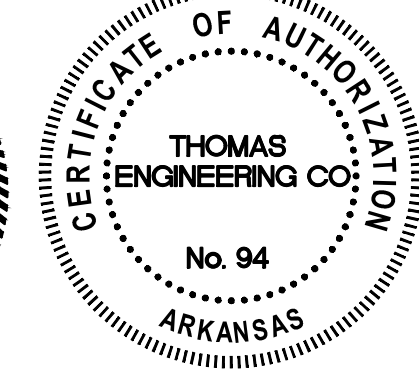
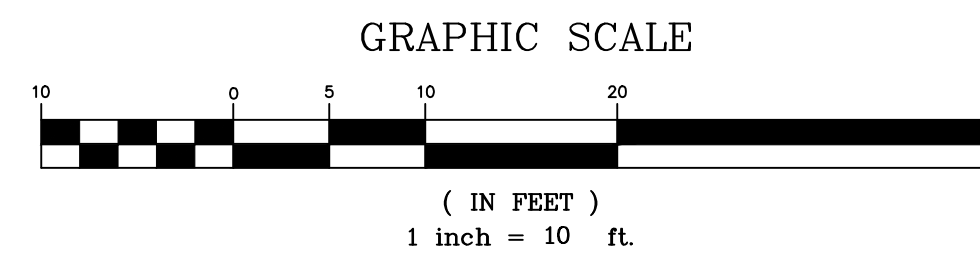
Total Volume at Station 3+50.00	
Cut Area	4.05
Fill Area	11.96
Cut Vol	6.97
Fill Vol	20.63
Cum Cut Vol	37.03
Cum Fill Vol	376.13
Net Vol	-339.10



Total Volume at Station 4+00.00	
Cut Area	2.32
Fill Area	14.29
Cut Vol	5.90
Fill Vol	24.31
Cum Cut Vol	42.93
Cum Fill Vol	400.44
Net Vol	-357.51



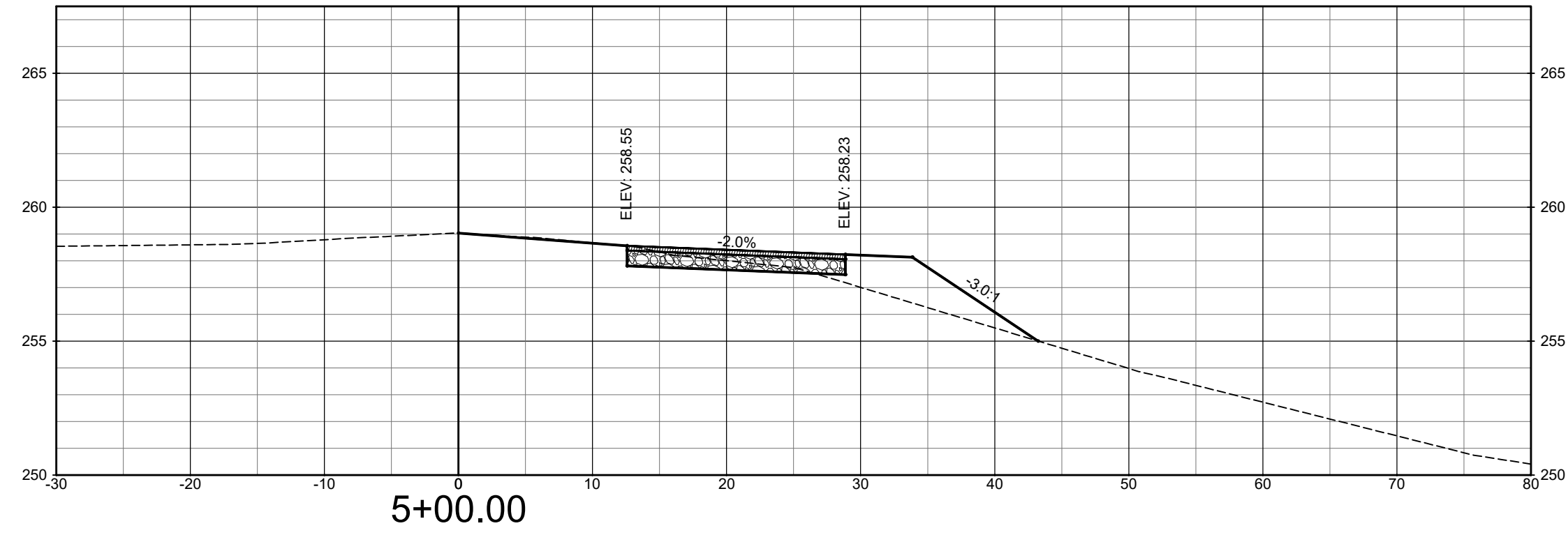
Total Volume at Station 4+50.00	
Cut Area	2.20
Fill Area	22.87
Cut Vol	4.19
Fill Vol	34.41
Cum Cut Vol	47.12
Cum Fill Vol	434.85
Net Vol	-387.73



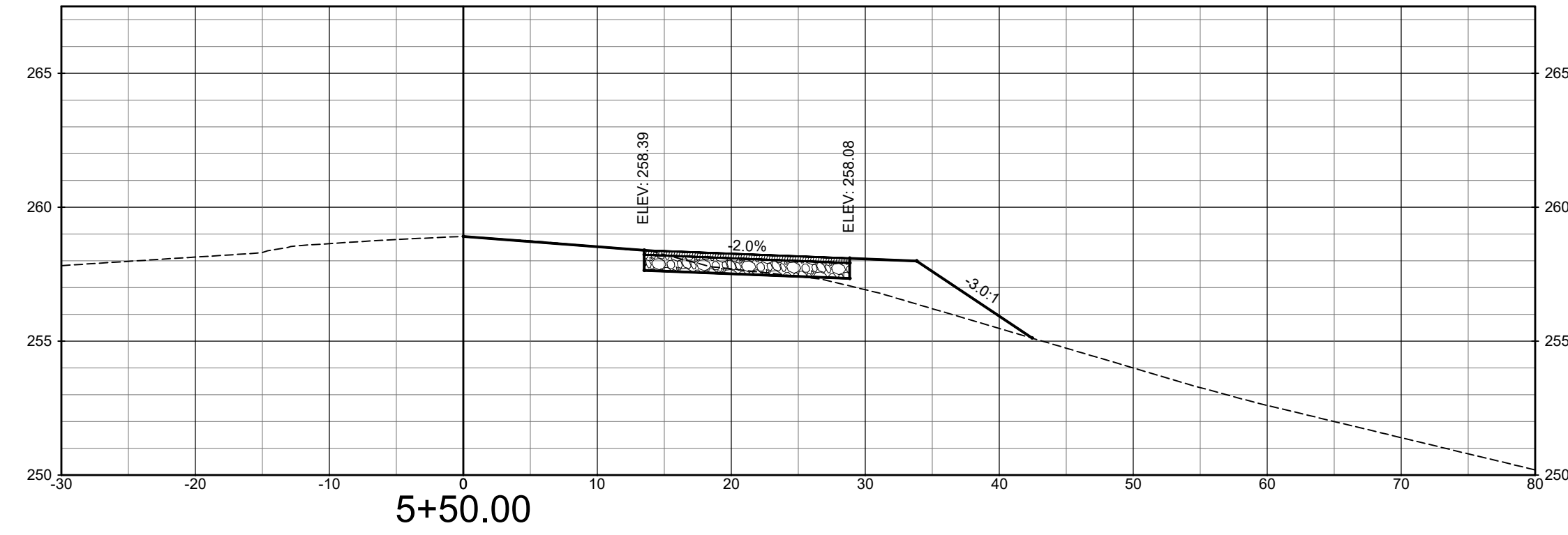
3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
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**SECTION VIEWS**  
**RIVER ROAD**  
**MULTI-USE TRAIL**  
 NORTH LITTLE ROCK, ARKANSAS

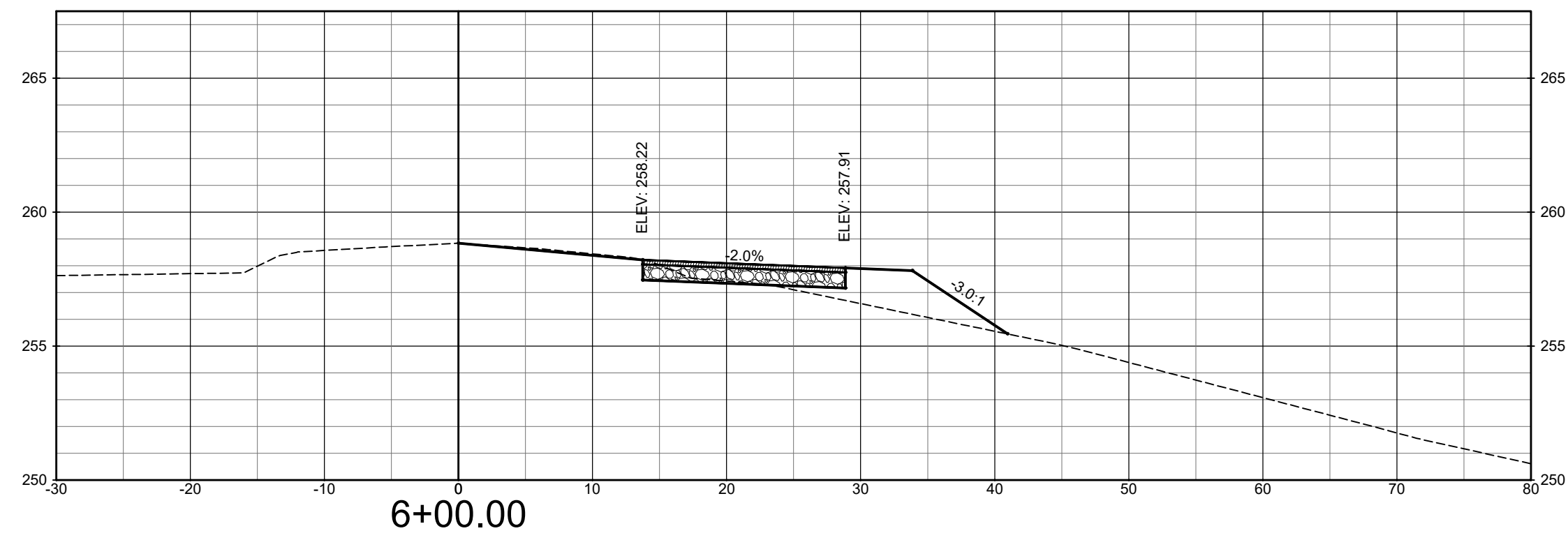
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SCALE 1" = 10'			



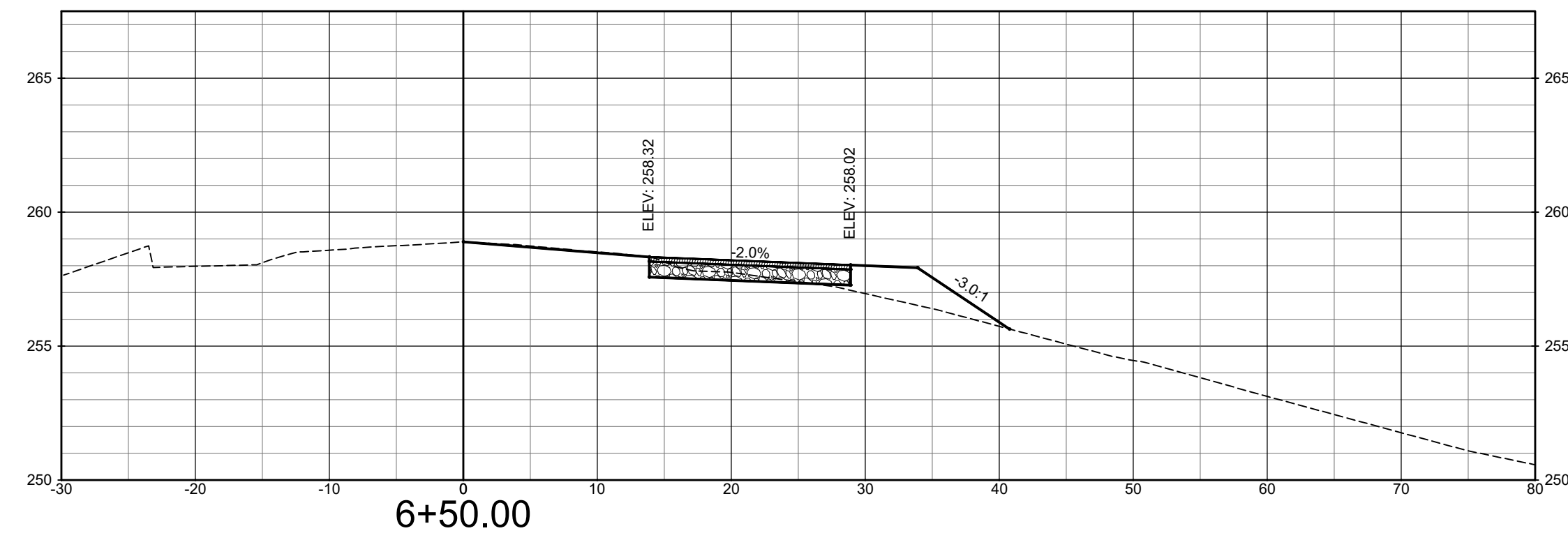
Total Volume at Station 5+00.00	
Cut Area	5.59
Fill Area	15.22
Cut Vol	7.21
Fill Vol	35.27
Cum Cut Vol	54.33
Cum Fill Vol	470.12
Net Vol	-415.79



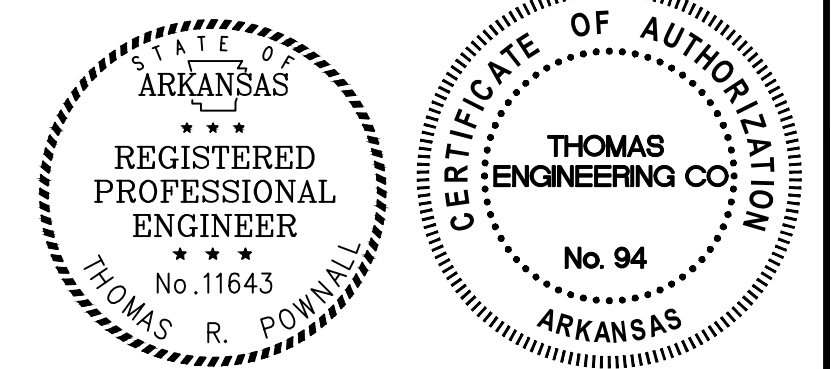
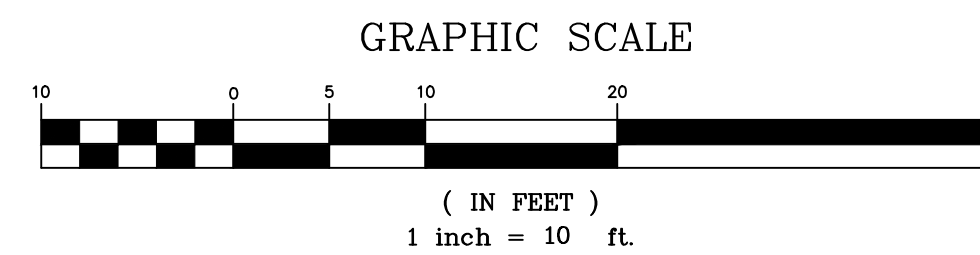
Total Volume at Station 5+50.00	
Cut Area	3.46
Fill Area	13.83
Cut Vol	8.38
Fill Vol	26.90
Cum Cut Vol	62.71
Cum Fill Vol	497.02
Net Vol	-434.32



Total Volume at Station 6+00.00	
Cut Area	2.78
Fill Area	14.17
Cut Vol	5.78
Fill Vol	25.93
Cum Cut Vol	68.49
Cum Fill Vol	522.95
Net Vol	-454.47



Total Volume at Station 6+50.00	
Cut Area	3.87
Fill Area	10.85
Cut Vol	6.15
Fill Vol	23.16
Cum Cut Vol	74.64
Cum Fill Vol	546.12
Net Vol	-471.48

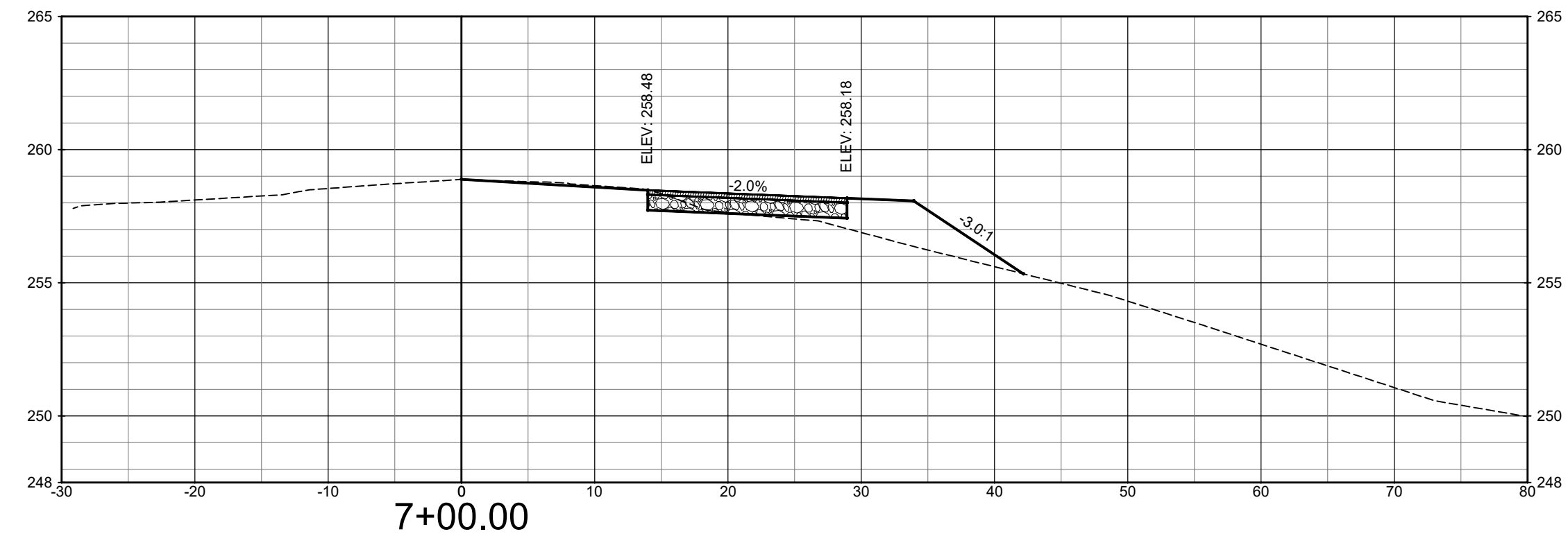


**TE** THOMAS ENGINEERING COMPANY  
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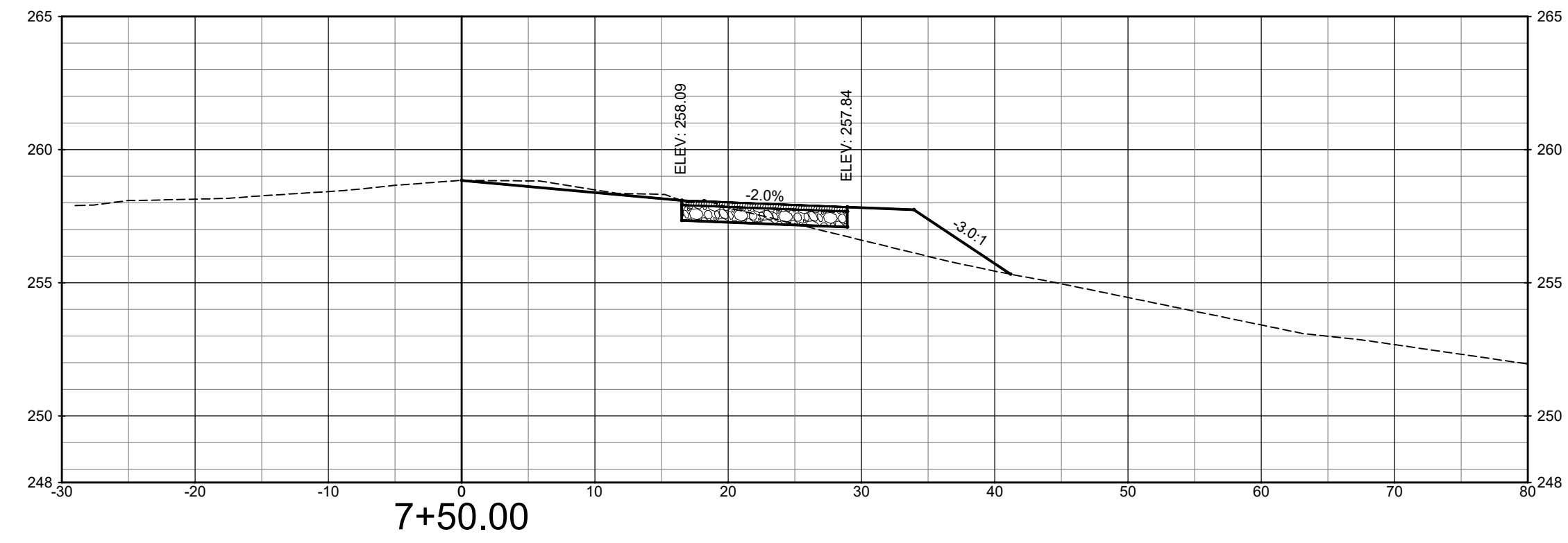
**SECTION VIEWS**  
**RIVER ROAD**  
**MULTI-USE TRAIL**  
 NORTH LITTLE ROCK, ARKANSAS

APPROVED	DRAWN BY JB	DATE 7/30/21	SHEET NO. <b>XS3</b>
SCALE 1" = 10'			

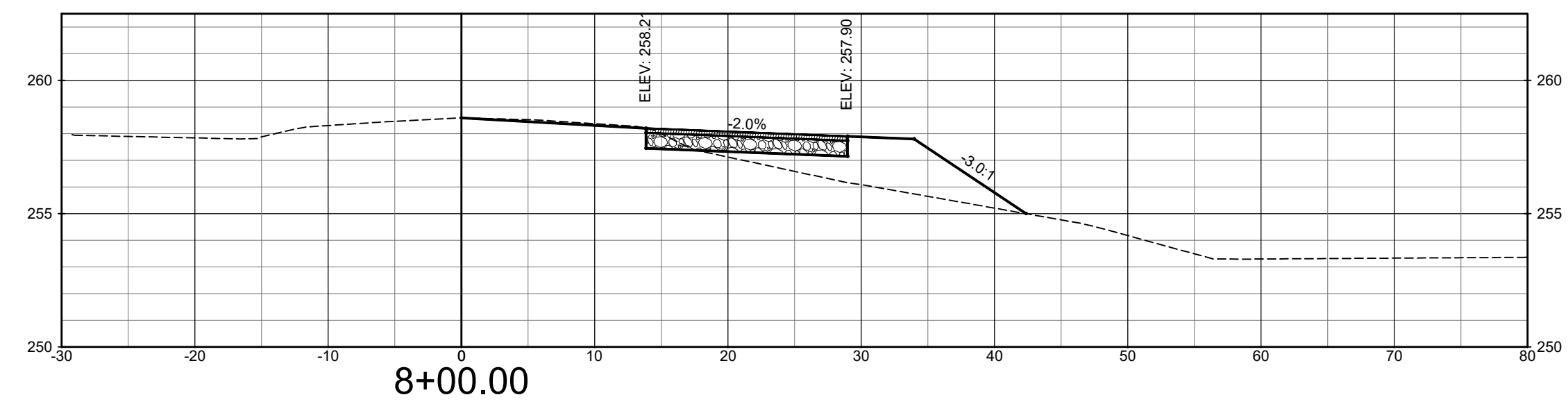




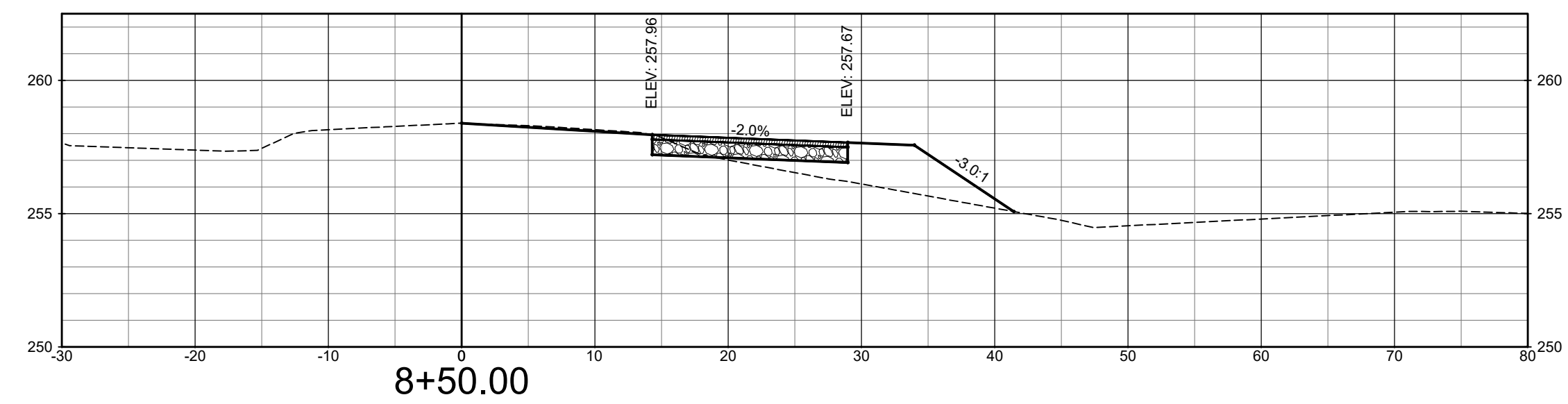
Total Volume at Station 7+00.00	
Cut Area	2.74
Fill Area	15.28
Cut Vol	6.12
Fill Vol	24.19
Cum Cut Vol	80.76
Cum Fill Vol	570.31
Net Vol	-489.55



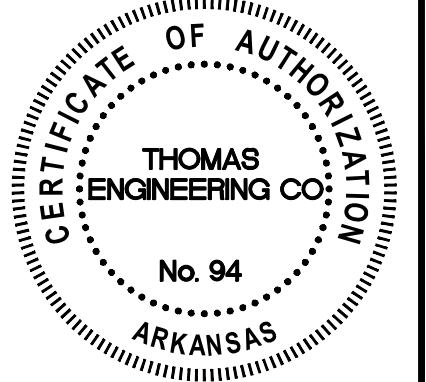
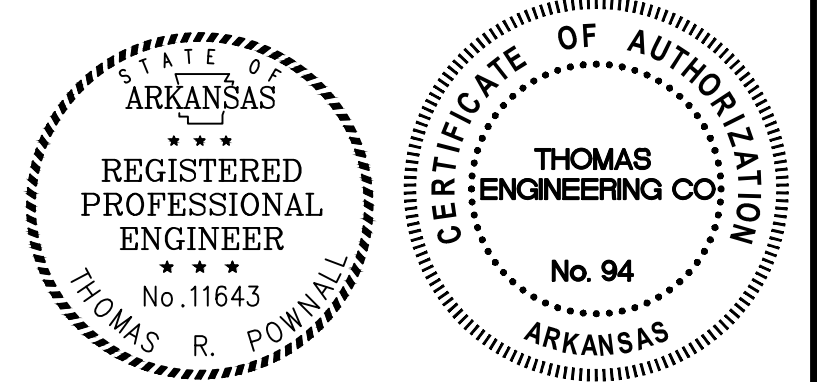
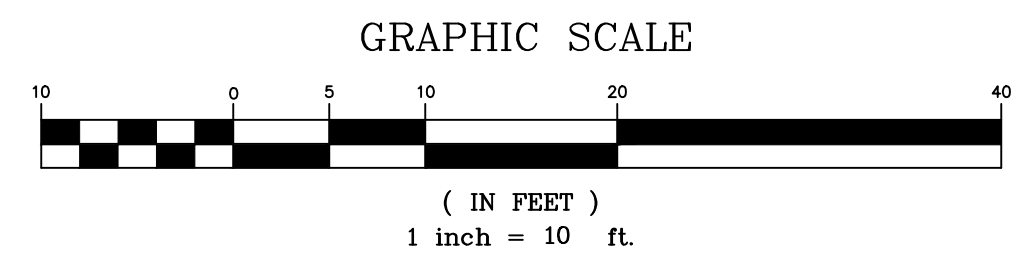
Total Volume at Station 7+50.00	
Cut Area	6.02
Fill Area	13.46
Cut Vol	8.11
Fill Vol	26.61
Cum Cut Vol	88.87
Cum Fill Vol	596.91
Net Vol	-508.04



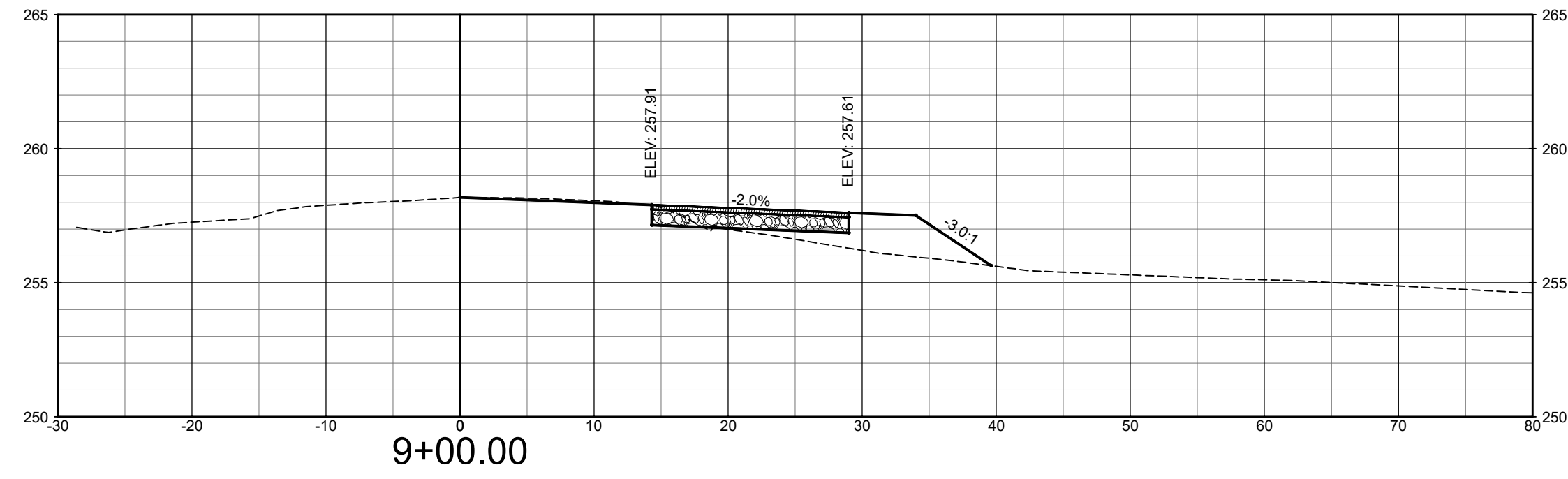
Total Volume at Station 8+00.00	
Cut Area	2.19
Fill Area	23.75
Cut Vol	7.60
Fill Vol	34.45
Cum Cut Vol	96.48
Cum Fill Vol	631.36
Net Vol	-534.89



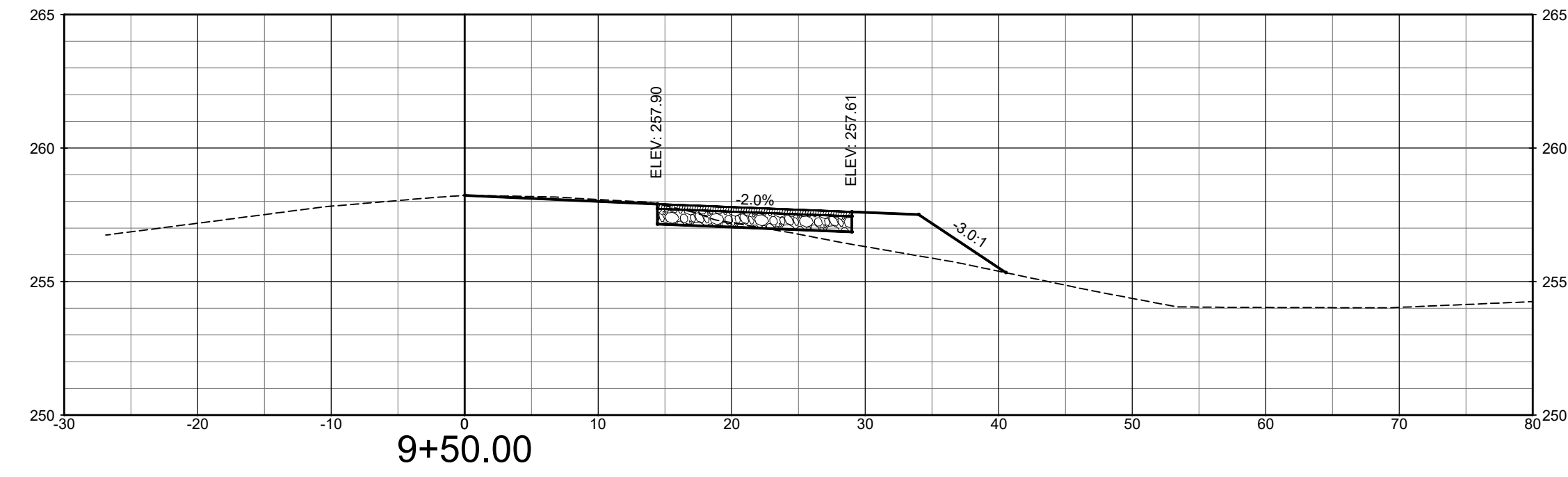
Total Volume at Station 8+50.00	
Cut Area	2.35
Fill Area	18.67
Cut Vol	4.20
Fill Vol	39.28
Cum Cut Vol	100.68
Cum Fill Vol	670.64
Net Vol	-569.96



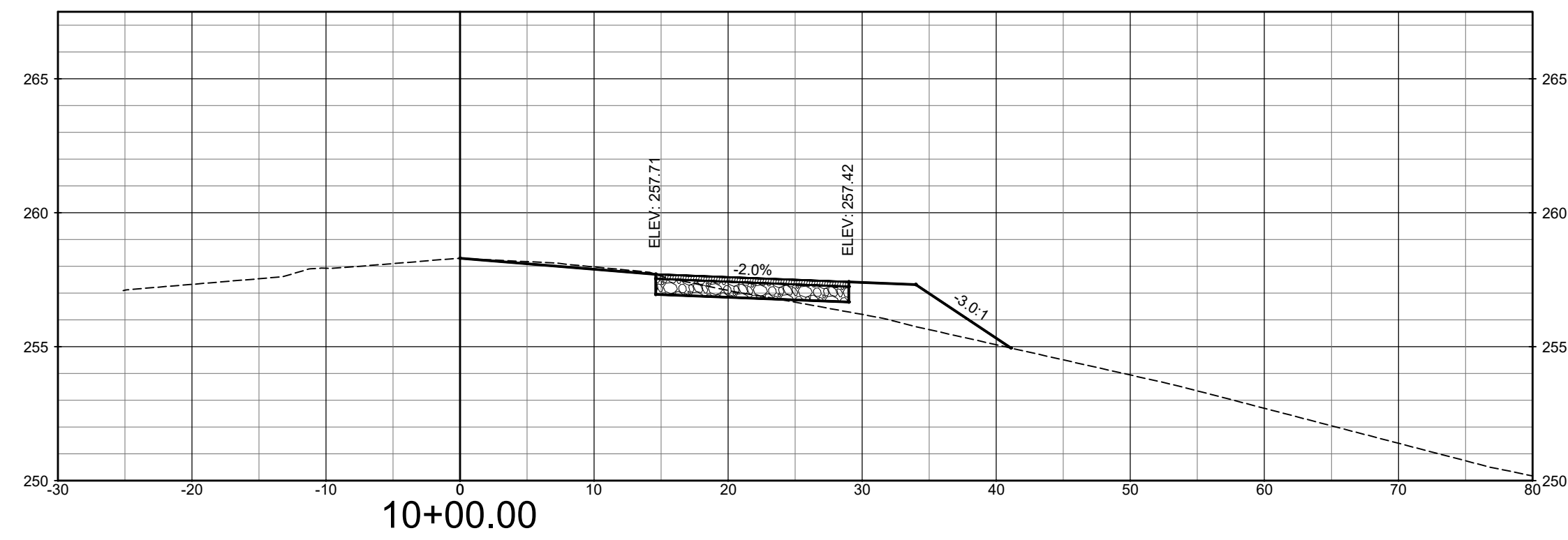
<p>THOMAS ENGINEERING COMPANY</p> <p>3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116                  TEL: 501-753-4463 FAX: 501-753-6814</p>	<p><b>SECTION VIEWS</b>                  RIVER ROAD                  MULTI-USE TRAIL                  NORTH LITTLE ROCK, ARKANSAS</p>		
	<p>APPROVED</p>	<p>DRAWN BY                  JB</p>	<p>DATE                  7/30/21</p>



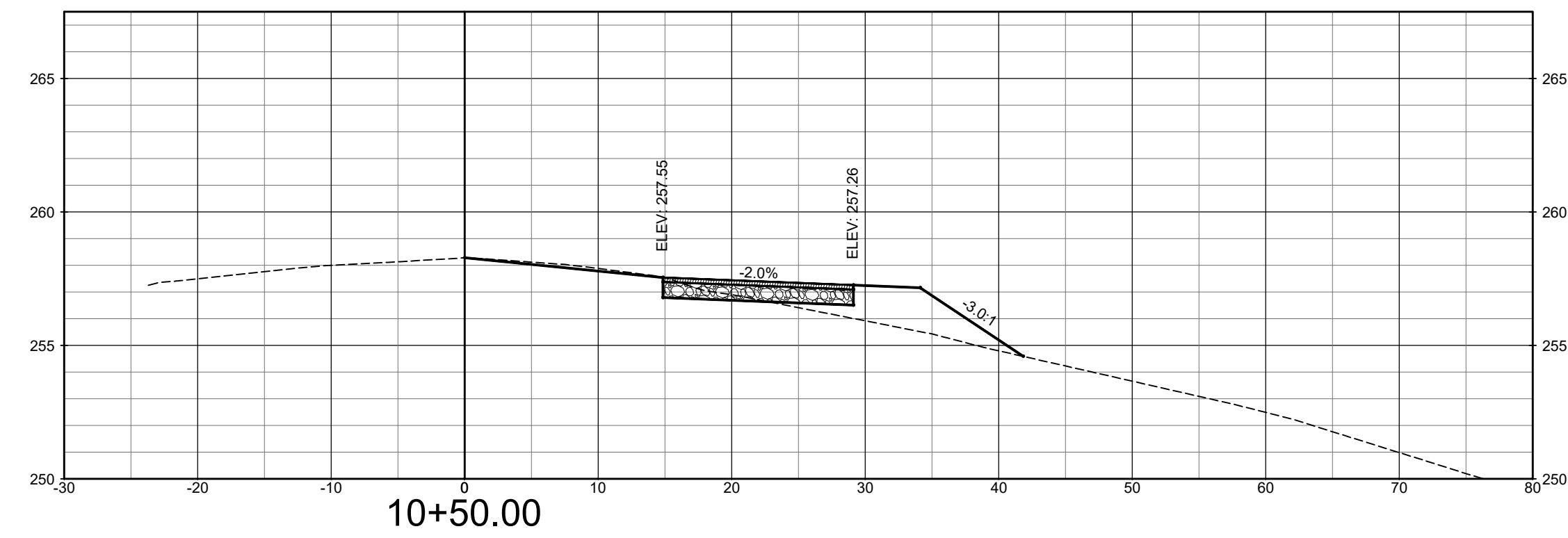
Total Volume at Station 9+00.00	
Cut Area	2.33
Fill Area	14.33
Cut Vol	4.34
Fill Vol	30.55
Cum Cut Vol	105.02
Cum Fill Vol	701.20
Net Vol	-596.18



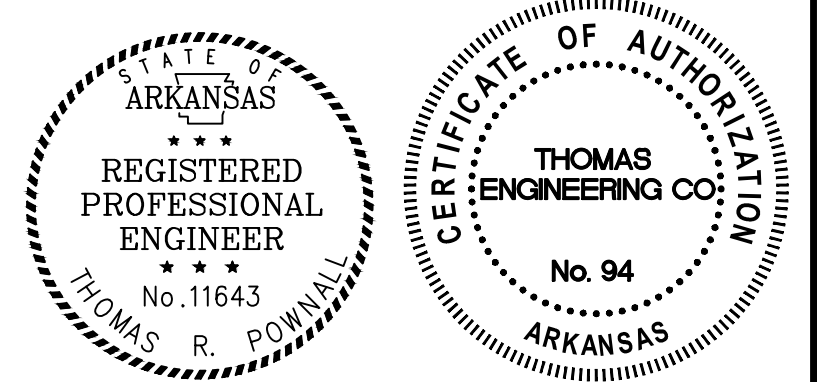
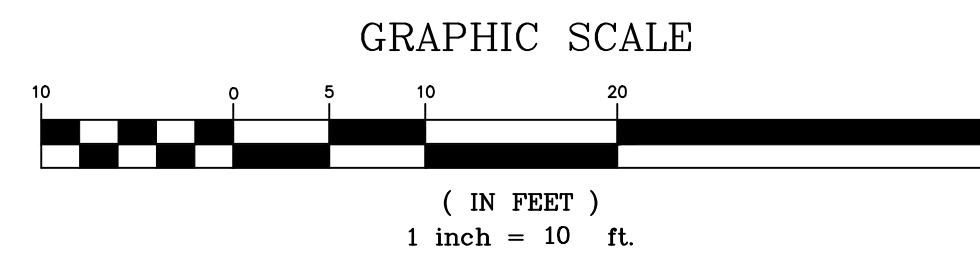
Total Volume at Station 9+50.00	
Cut Area	3.62
Fill Area	13.32
Cut Vol	5.51
Fill Vol	25.60
Cum Cut Vol	110.53
Cum Fill Vol	726.79
Net Vol	-616.26



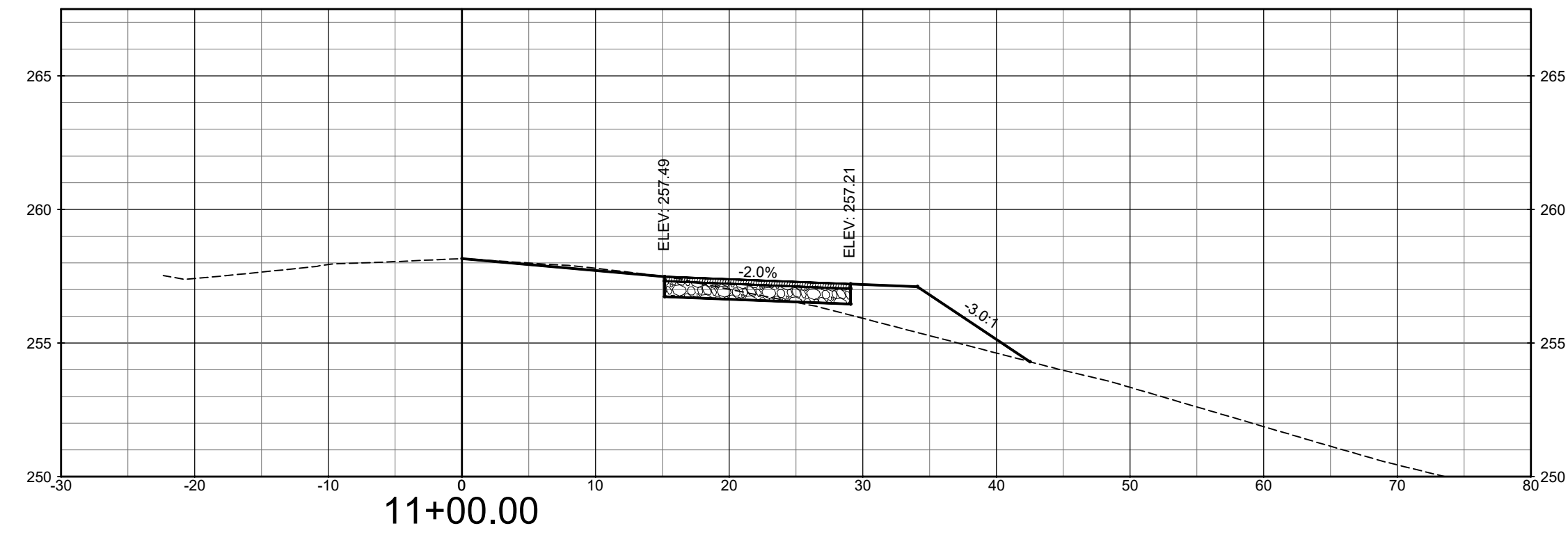
Total Volume at Station 10+00.00	
Cut Area	4.08
Fill Area	13.11
Cut Vol	7.13
Fill Vol	24.47
Cum Cut Vol	117.66
Cum Fill Vol	751.26
Net Vol	-633.60



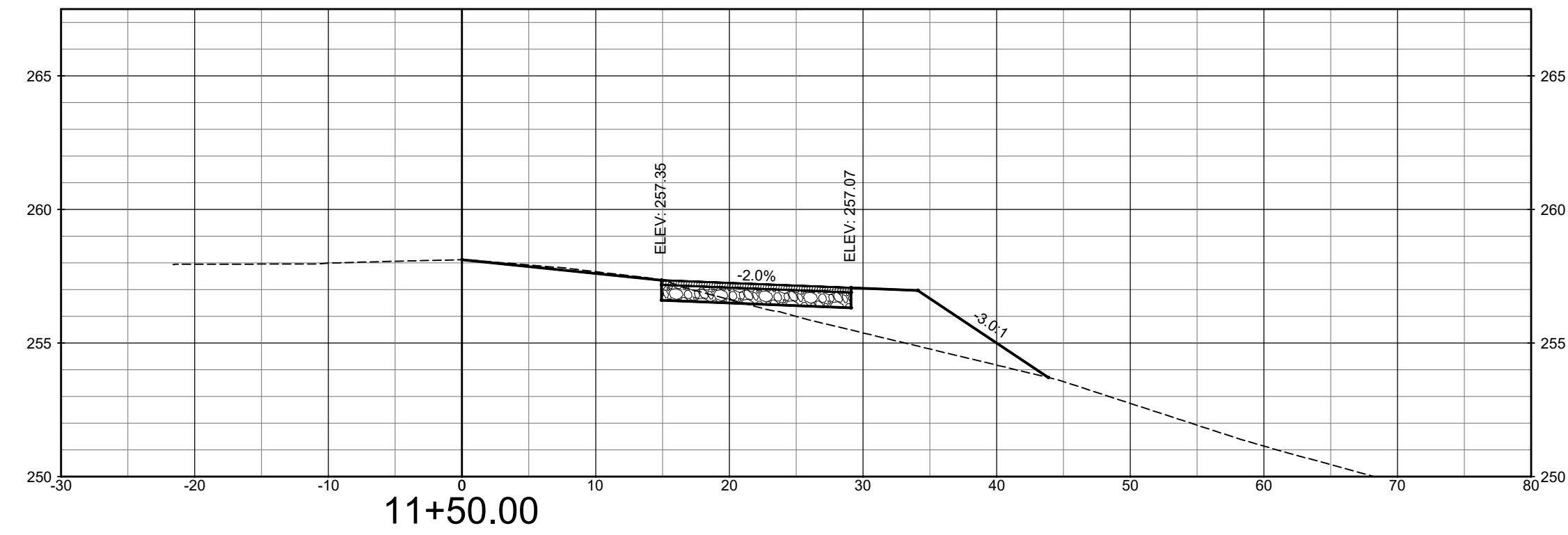
Total Volume at Station 10+50.00	
Cut Area	3.57
Fill Area	15.21
Cut Vol	7.08
Fill Vol	26.22
Cum Cut Vol	124.74
Cum Fill Vol	777.48
Net Vol	-652.74



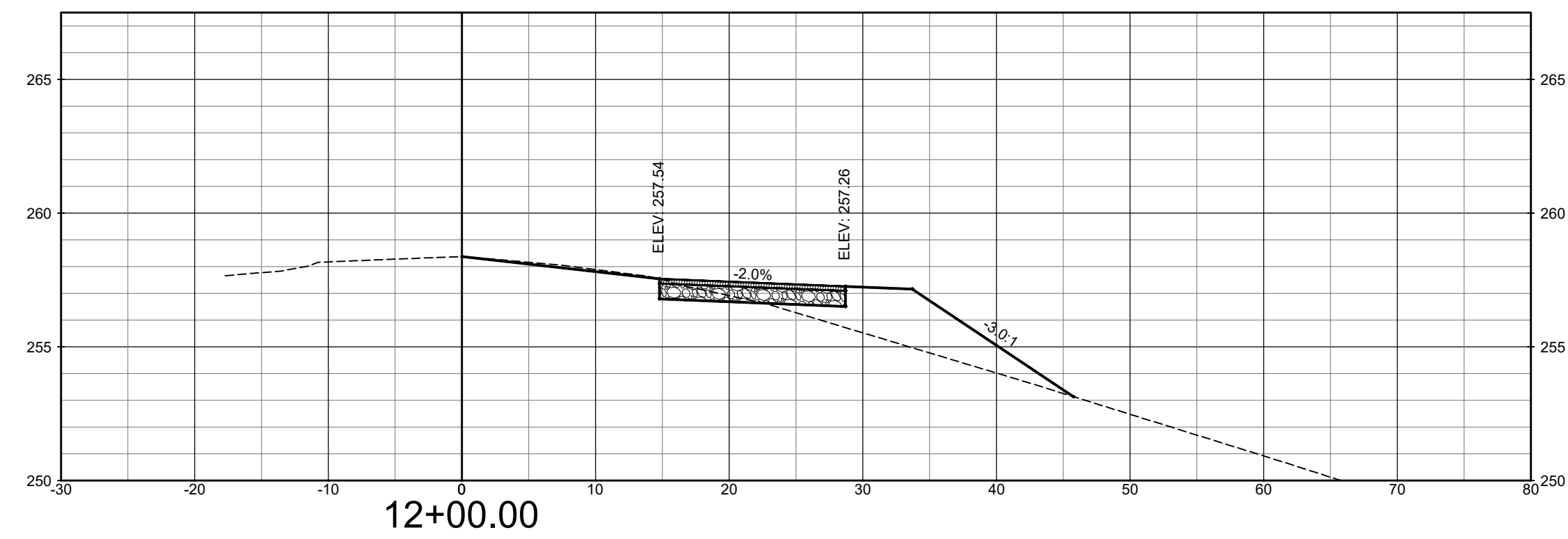
	<b>THOMAS ENGINEERING COMPANY</b>			<b>SECTION VIEWS</b> <b>RIVER ROAD</b> <b>MULTI-USE TRAIL</b> <b>NORTH LITTLE ROCK, ARKANSAS</b>	
	APPROVED SCALE 1" = 10'	DRAWN BY JB	DATE 7/30/21	SHEET NO. <b>XS5</b>	3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116 TEL: 501-753-4463 FAX: 501-753-6814



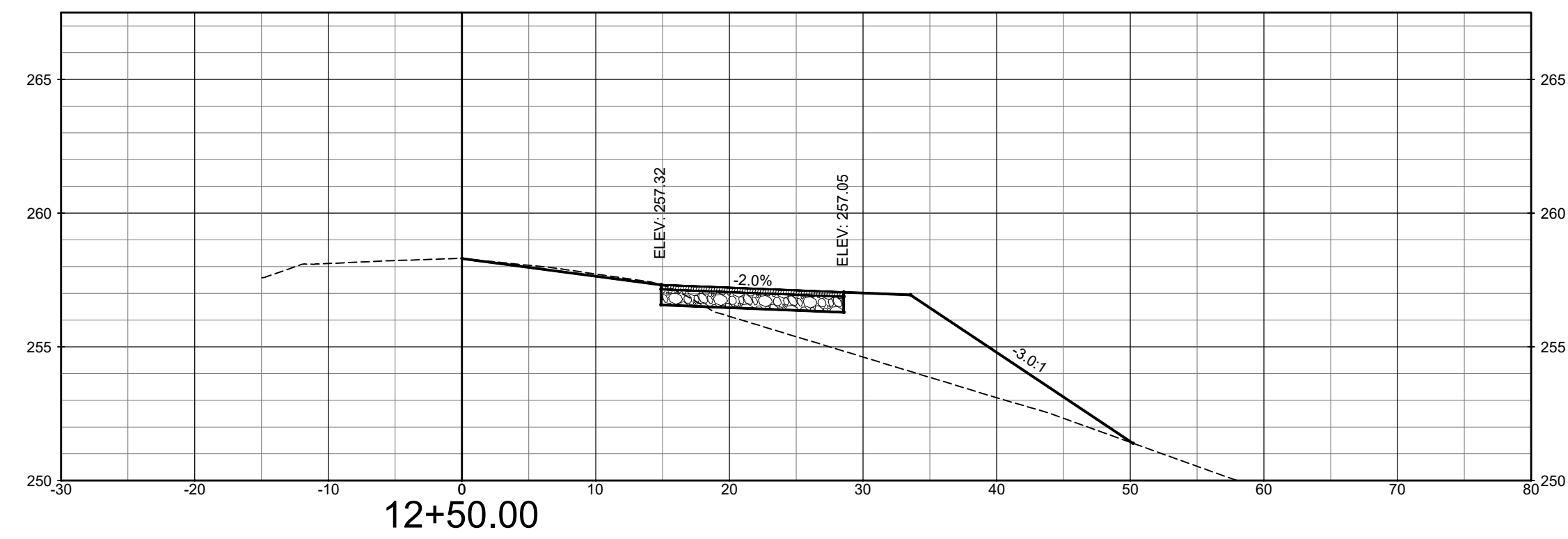
Total Volume at Station 11+00.00	
Cut Area	4.45
Fill Area	15.22
Cut Vol	7.43
Fill Vol	28.17
Cum Cut Vol	132.16
Cum Fill Vol	805.64
Net Vol	-673.48



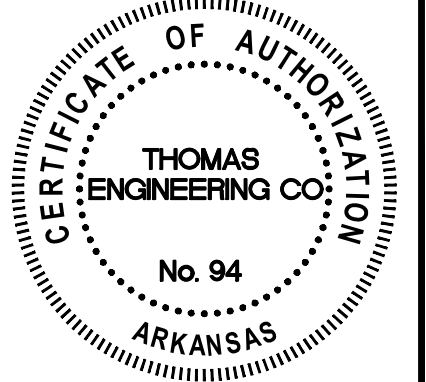
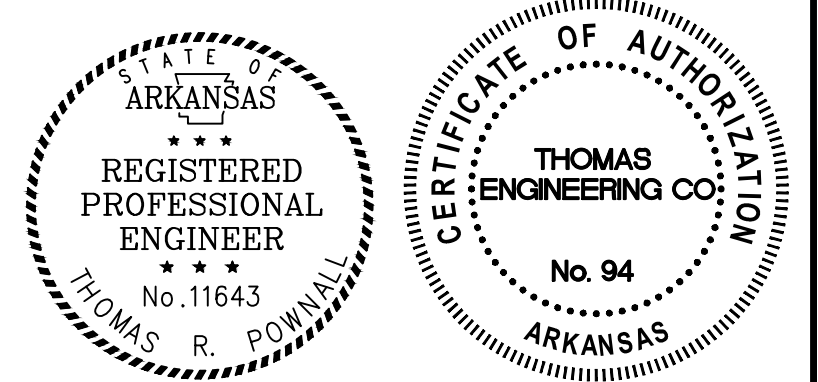
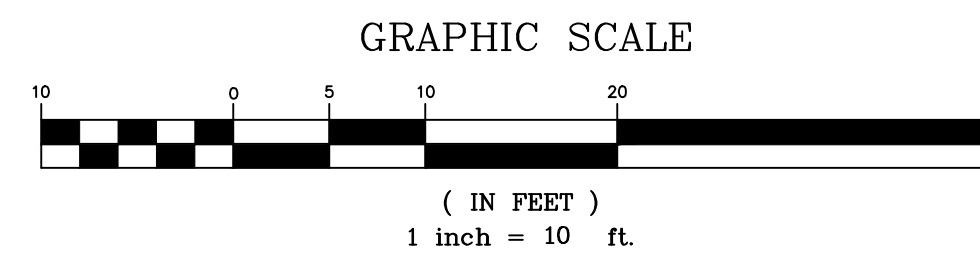
Total Volume at Station 11+50.00	
Cut Area	3.07
Fill Area	22.60
Cut Vol	6.97
Fill Vol	35.02
Cum Cut Vol	139.13
Cum Fill Vol	840.66
Net Vol	-701.53



Total Volume at Station 12+00.00	
Cut Area	3.66
Fill Area	24.89
Cut Vol	6.23
Fill Vol	43.97
Cum Cut Vol	145.36
Cum Fill Vol	884.63
Net Vol	-739.27



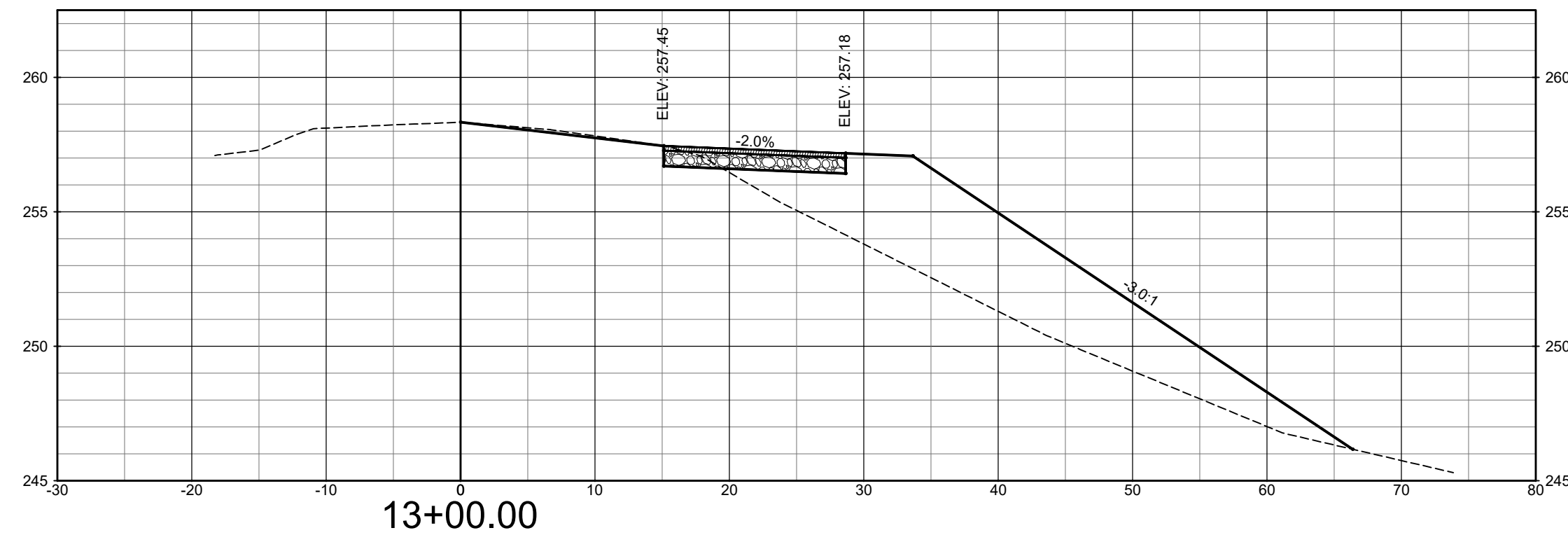
Total Volume at Station 12+50.00	
Cut Area	2.36
Fill Area	43.58
Cut Vol	5.58
Fill Vol	63.40
Cum Cut Vol	150.94
Cum Fill Vol	948.03
Net Vol	-797.09



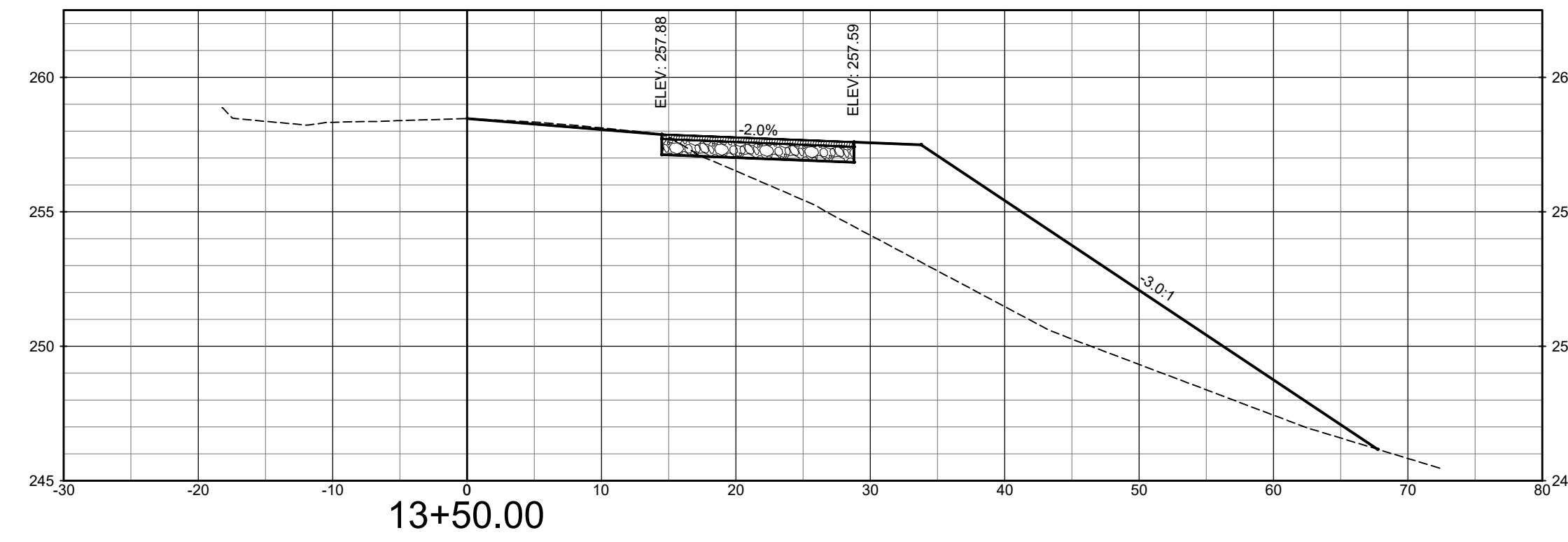
**TE** THOMAS ENGINEERING COMPANY  
 3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
 TEL: 501-753-4463 FAX: 501-753-6814

**SECTION VIEWS**  
**RIVER ROAD**  
**MULTI-USE TRAIL**  
 NORTH LITTLE ROCK, ARKANSAS

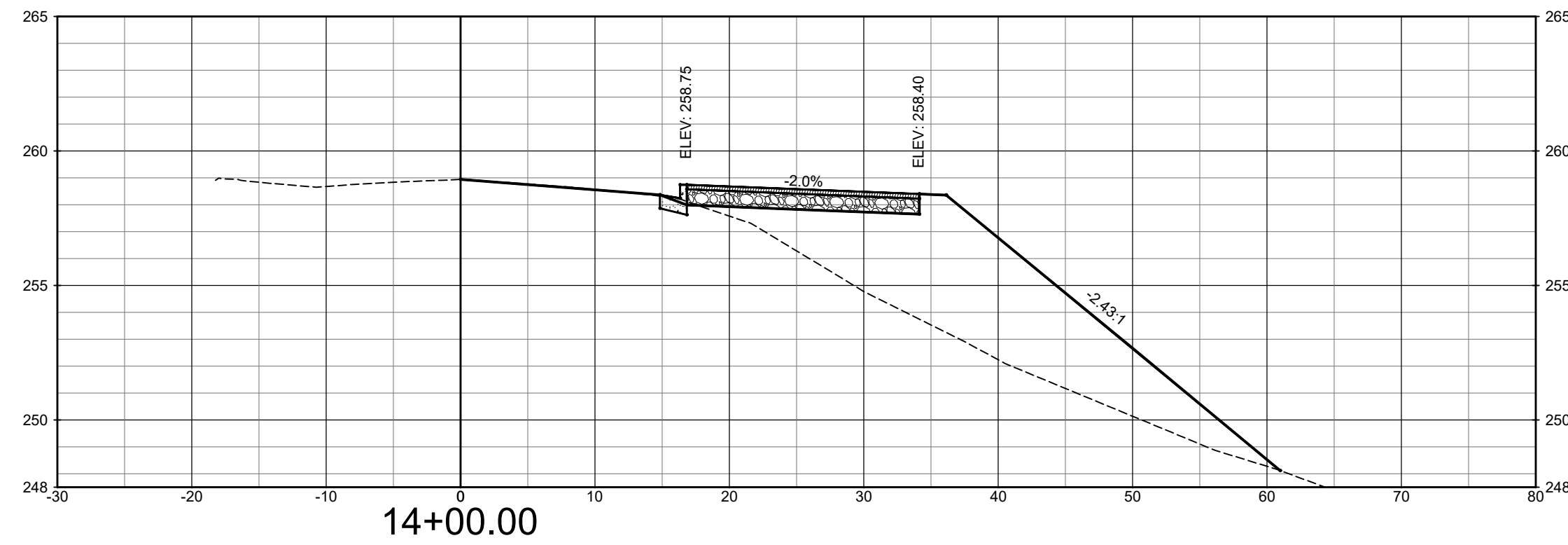
APPROVED	DRAWN BY JB	DATE 7/30/21	SHEET NO. <b>XS6</b>
SCALE 1" = 10'			



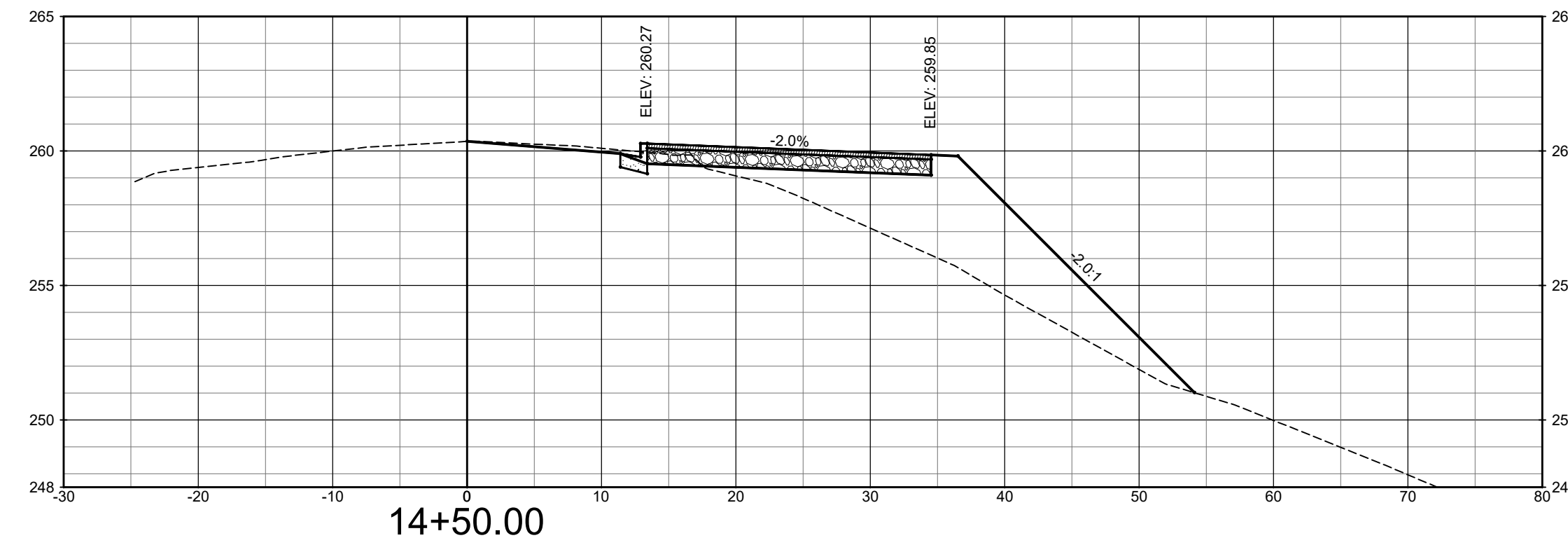
Total Volume at Station 13+00.00	
Cut Area	2.94
Fill Area	109.02
Cut Vol	4.94
Fill Vol	143.91
Cum Cut Vol	155.88
Cum Fill Vol	1091.94
Net Vol	-936.06



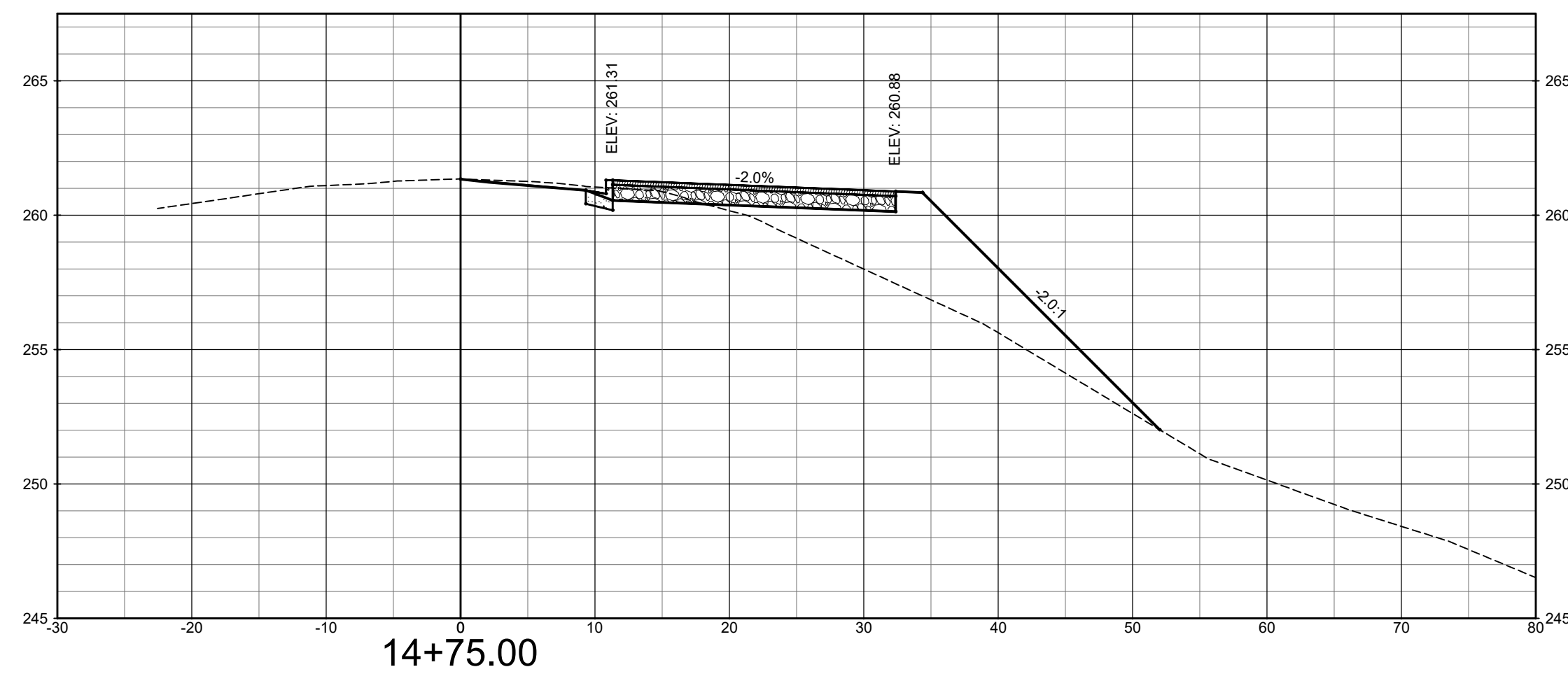
Total Volume at Station 13+50.00	
Cut Area	1.92
Fill Area	117.45
Cut Vol	4.54
Fill Vol	216.34
Cum Cut Vol	160.42
Cum Fill Vol	1308.29
Net Vol	-1147.86



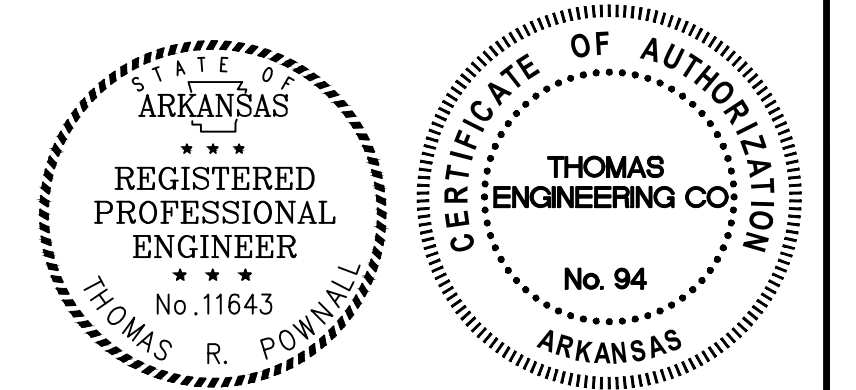
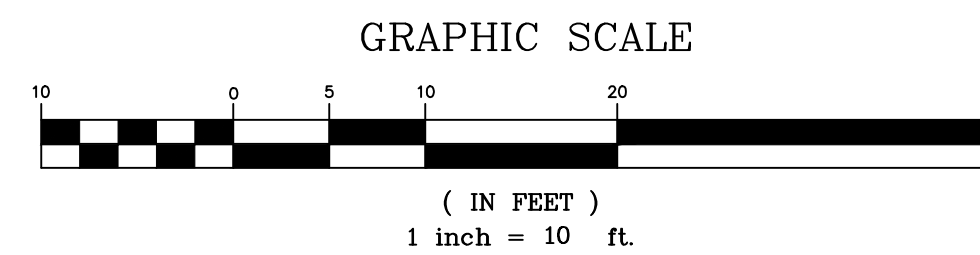
Total Volume at Station 14+00.00	
Cut Area	0.45
Fill Area	108.79
Cut Vol	2.27
Fill Vol	237.45
Cum Cut Vol	162.70
Cum Fill Vol	1545.74
Net Vol	-1383.04



Total Volume at Station 14+50.00	
Cut Area	3.19
Fill Area	69.61
Cut Vol	3.42
Fill Vol	173.32
Cum Cut Vol	166.11
Cum Fill Vol	1719.06
Net Vol	-1552.94



Total Volume at Station 14+75.00	
Cut Area	3.99
Fill Area	56.43
Cut Vol	3.37
Fill Vol	61.07
Cum Cut Vol	169.49
Cum Fill Vol	1780.13
Net Vol	-1610.64



SECTION VIEWS  
RIVER ROAD  
MULTI-USE TRAIL  
NORTH LITTLE ROCK, ARKANSAS

APPROVED BY: [Signature]  
DATE: 7/30/21  
SCALE: 1" = 10'

DRAWN BY: JB  
SHEET NO. **XS7**

3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
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