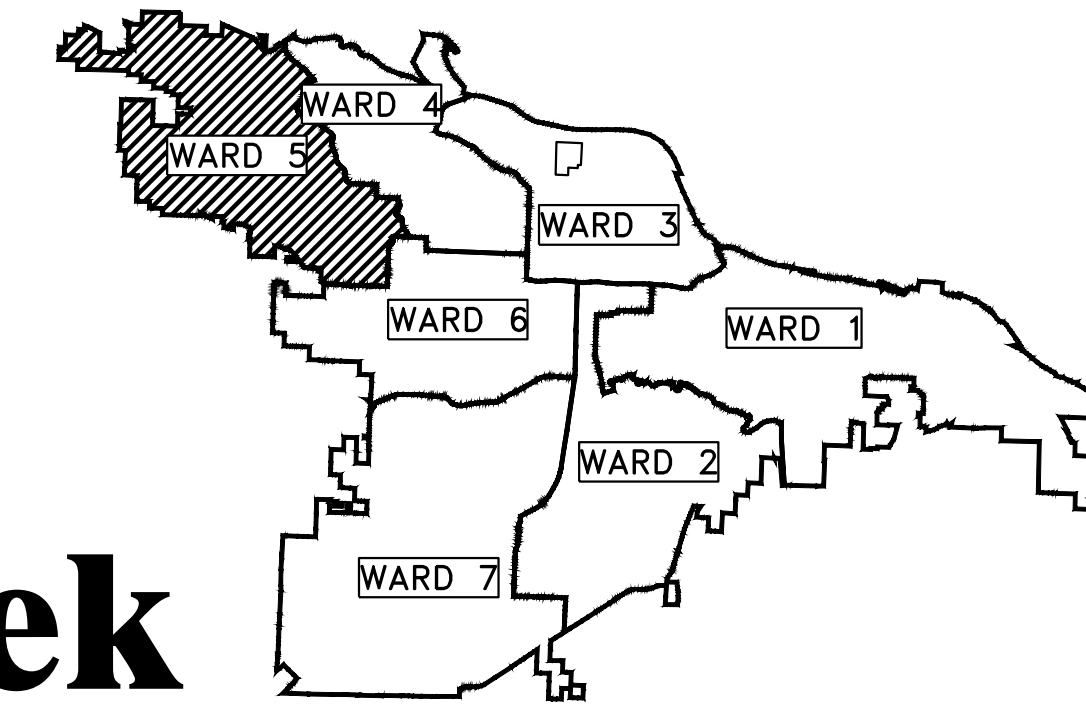


# CLR PROJECT # 5-17-ST-223

## Bella Rosa Drive Improvements

### Taylor Loop Rd. to South Loop Creek



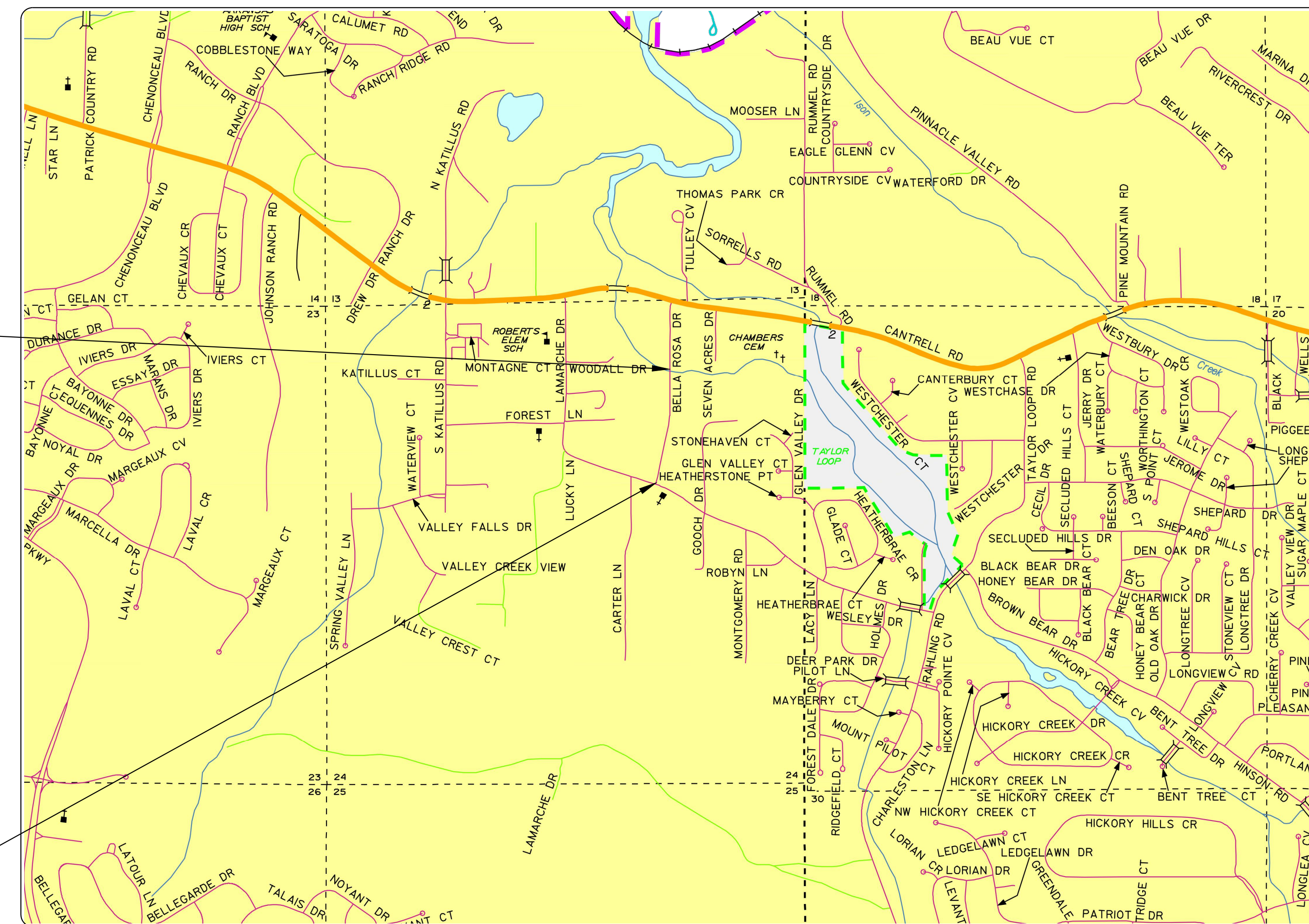
PROJECT LOCATION – WARD 5

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CITY OF LITTLE ROCK, ARKANSAS  
Bella Rosa Drive Improvements

COVER



END PROJECT STA. 23+00

BEGIN PROJECT STA. 10+00



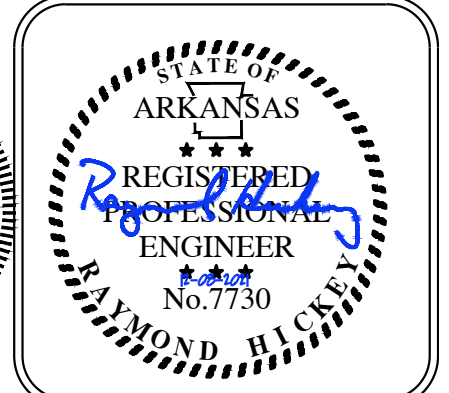
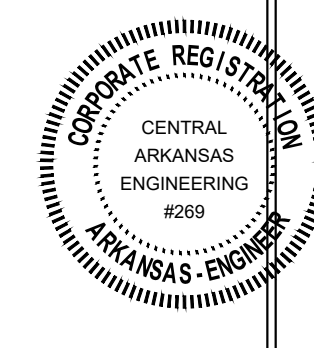
**2019-2021**  
**BOND PROGRAM**

### PROJECT LOCATION

1" = 1000'

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 WEST MARKHAM STREET  
LITTLE ROCK, ARKANSAS 72201

SHEET NO.	TITLE
C1	COVER SHEET
C2	LEGEND
C3	TYPICAL SECTIONS
C4	PLAN - PROFILE - 1
C5	PLAN - PROFILE - 2
C6	PLAN - PROFILE - 3
C7	DRIVEWAYS 1
C8	DRIVEWAYS 2
C9	EROSION CONTROL - 1
C10	EROSION CONTROL - 2
C11	EROSION CONTROL - 3
C12	SURVEY CONTROL - 1
C13	SURVEY CONTROL - 2
C14	SURVEY CONTROL - 3
C15	X-SECTIONS - 1
C16	X-SECTIONS - 2
C17	X-SECTIONS - 3
C18	X-SECTIONS - 4
C19	X-SECTIONS - 5
C20	X-SECTIONS - 6
C21	X-SECTIONS - 7
C22	X-SECTIONS - 8
C23	X-SECTIONS - 9
C24	X-SECTIONS - 10
C25	X-SECTIONS - 11
C26	X-SECTIONS - 12



Know what's below.  
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www.CentralArkansasEngineering.com

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CLR # 5-17-ST-223

SHEET NO.  
**C1**



PRICING OF ESTIMATED QUANTITIES			ENGIN
CLR PROJECT # 5-17-ST-223			
BELLA ROSA DR.			
			3-Mar-22
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION(INCL. MOBILIZATION)	L.S.	1
3.01	EXCAVATION	C.Y.	575
3.50	BORROW	C.Y.	200
4.01	AGGREGATE BASE COURSE (CLASS 7)	TON	455
6.01	ASPHALT SURFACE COURSE	TON	290
6.02	ASPHALT SPEED HUMP AND STRIPING	EA.	1
7.04	CONCRETE DRIVE 6" THICK STANDARD FINISH	S.F.	4200
8.01	CONCRETE CURB & GUTTER	L.F.	1300
9.01	CONCRETE SIDEWALK, 4"	S.F.	3300
9.30	CONCRETE SIDEWALK 4" W/ TURNDOWN	LF	20
10.10	JUNCTION BOX, 4" I.D.	EA.	2
10.02	CURB INLET 4" I.D.	EA.	3
10.03	CURB INLET 5" I.D.	EA.	2
10.04	CURB INLET 4" I.D. W/ THROAT EXTENSION	EA.	2
10.06	WING 3' EXTENSION	EA.	3
10.07	WING 6' EXTENSION	EA.	5
10.08	CONCRETE HEADWALL	EA.	3
13.15S	STORM DRAIN PIPES (SIDE DRAIN) 15"	LF	17
13.15C	STORM DRAIN PIPES (CROSS DRAINS) 15"	L.F.	60
13.18S	STORM DRAIN PIPES (SIDE DRAINS) 18"	L.F.	21
13.24S	STORM DRAIN PIPES (SIDE DRAINS) 24"	L.F.	412
13.30S	STORM DRAIN PIPES (SIDE DRAINS) 30"	L.F.	236
14.01	SOLID SOD (BERMUDA INCLUDES TOPSOIL)	S.Y.	890
16.01	MAINTENANCE OF TRAFFIC	L.S.	1
18.10	WATER FOR DUST CONTROL	GAL.	500
18.40	HANDRAIL	LF	10
18.45	RIP-RAP	CY	5
19.01	FINAL CLEANUP	L.S.	1
22.10	MAIL BOX RELOCATION WOOD	EA.	4
22.15	MAIL BOX RELOCATION METAL	EA.	3
24.01	SILT FENCE (SFA)	L.F.	662
24.09	SEDIMENT BARRIER, BLOCK (SD4)	EA.	10
24.14	STORM DRAIN OUTLET PROTECTION (ST)	EA.	10
27.07	COLD MILLING ASPHALT PAVEMENT	S.Y.	450
46.00	HYDRO SEEDING	AC	0.5

NOTES:

THIS AREA IS FOR ANY SPECIAL CONDITIONS OR NOTES THAT NEED TO BE ADDED TO THE PLAN SET THAT ARE NOT COVERED IN THE BID/CONTRACT DOCUMENTS OR STANDARD SPECIFICATIONS.

EXISTING

- IRON ROD ○ IR
- PK NAIL ○ PK
- R.R. SPIKE ○ RR(Sp)
- CONC. MONUMENT □ CM
- WATER VALVE ✕ WV
- WATER METER □ WM
- FIRE HYDRANT ○ FH
- GAS METER □ GM
- GAS VALVE ⊗ GV
- CLEAN-OUT ○ CO
- GUARD POST (BOLLARD) ● GP
- SIGN POST
- BENCHMARK
- STORM SEWER MANHOLE (D)
- SANITARY SEWER MANHOLE (S)
- TELEPHONE MANHOLE (T)
- ELECTRIC MANHOLE (E)
- TELEPHONE BOX
- ELECTRIC BOX
- CABLE BOX
- UTILITY POLE
- GUY WIRE
- LIGHT POLE
- POST OR POLE (TYPE AS NOTED)
- MAILBOX
- DECIDUOUS TREE
- EVERGREEN/CONIFEROUS TREE
- BUSH
- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- CURB
- FENCE
- OVERHEAD ELECTRIC
- OVERHEAD TELEPHONE
- OVERHEAD CABLE
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRIC
- UNDERGROUND CABLE
- WATER LINE
- SEWER LINE
- GAS LINE
- STORM SEWER/CULVERT
- EDGE OF WOODS
- CONTOUR LINE
- WALL-ROCK & CONC

PROPOSED

- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION (25.00)
- PROPOSED SPOT CURB ELEVATION (25.50, 25.00)
- STORM SEWER - PIPE
- STORM SEWER - MITERED END SECTION
- STORM SEWER - GRATE INLET
- STORM SEWER - JUNCTION BOX
- STORM SEWER - FLARED END SECTION
- STORM SEWER - HEADWALL
- STORM SEWER - SINGLE WING
- STORM SEWER - DOUBLE WING
- STORM SEWER - AREA INLET
- GRADE BREAK LINE
- HIGH POINT
- LOW POINT
- CUT LINE
- FILL LINE
- SANITARY SEWER PIPE
- SANITARY SEWER MANHOLE
- PROPOSED CURB
- PROPOSED CONCRETE
- CONSTRUCTION - ENTRANCE/EXIT
- CHECK DAM
- DIVERSION BERM
- DOWNDRAIN STRUCTURE - TEMPORARY
- ROCK DAM
- SEDIMENT BARRIER - SILT FENCE
- SEDIMENT BARRIER - GRAVEL RING
- SEDIMENT BARRIER - BLOCK & GRAVEL
- SEDIMENT BARRIER - BLOCK
- TEMPORARY SEDIMENT BASIN
- SILT FENCE - TYPE A
- SILT FENCE - TYPE B
- SILT FENCE - TYPE C
- STORM DRAIN OUTLET PROTECTION
- SURFACE ROUGHENING
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS1)
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)
- MATTING/BLANKETS (MB)

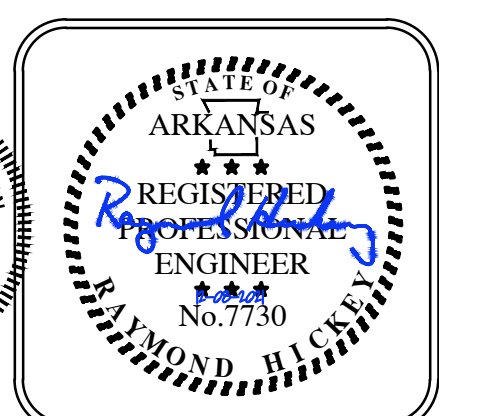
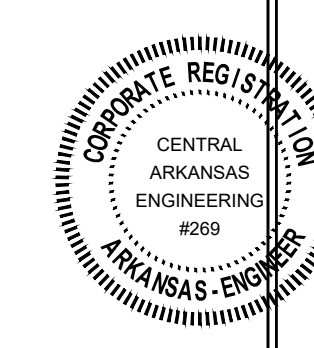
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Bella Rosa Drive Improvements

LEGEND

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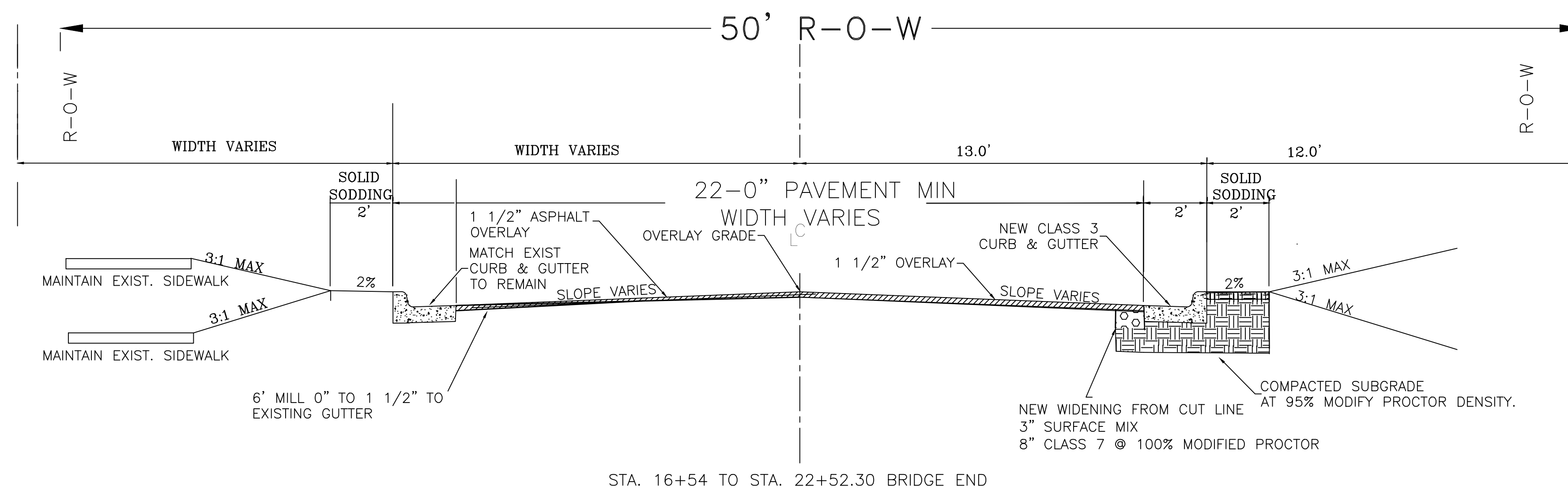
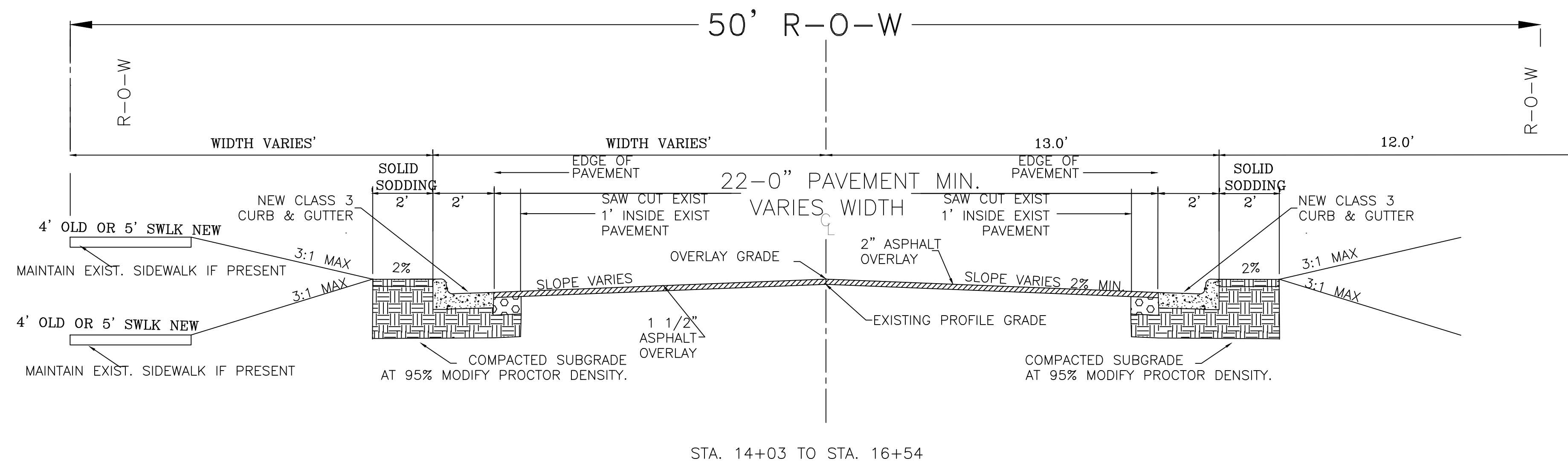
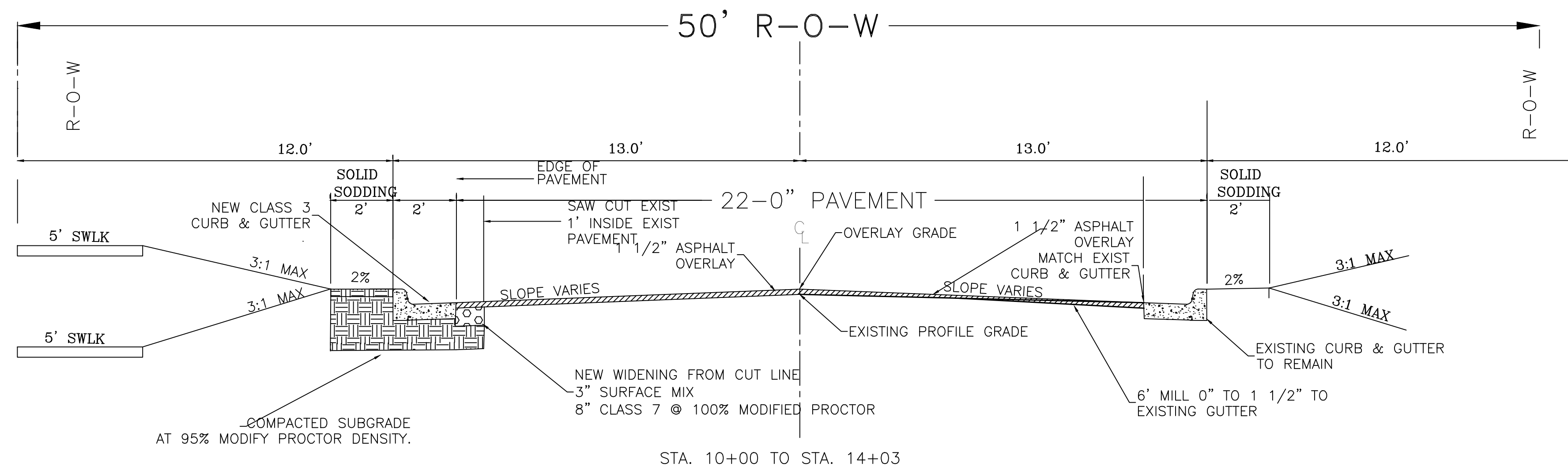
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C2





**GENERAL NOTES**

1. IN AREAS TO RECEIVE BITUMINOUS PAVING, CONCRETE DRIVEWAYS, OR CURB AND GUTTER, SUBGRADE SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95% OF MAXIMUM DENSITY OBTAINED AT OPTIMUM MOISTURE CONTENT. (AASHTO T-180)
2. FOR AREAS OF SUBGRADE PREPARATION TO RECEIVE CONCRETE SIDEWALKS, SUBGRADE SHALL BE COMPACTED TO A DENSITY OF 90% MAXIMUM.(AASHTO T-180).
3. CRUSHED STONE- MATERIAL IN EACH COURSE SHALL BE COMPACTED TO A DENSITY OF 100% MAXIMUM (AASHTO T-191).
4. CENTERLINE PROFILE WILL REQUIRE HEIGHT GREATER THAN CURB FOR SOME STREETS TO MAINTAIN 2% MINIMUM CROSS-SLOPE.

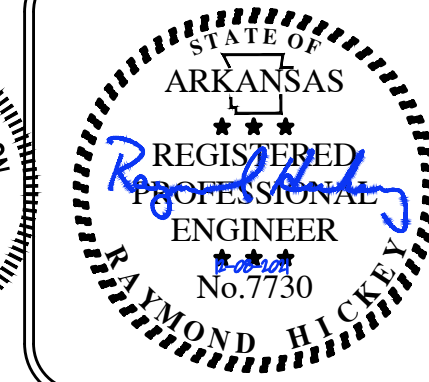
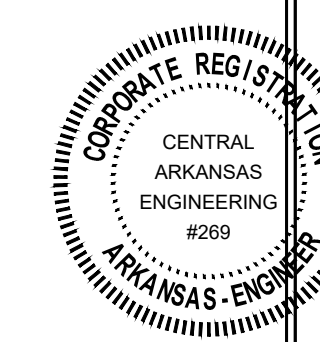
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Bella Rosa Drive Improvements

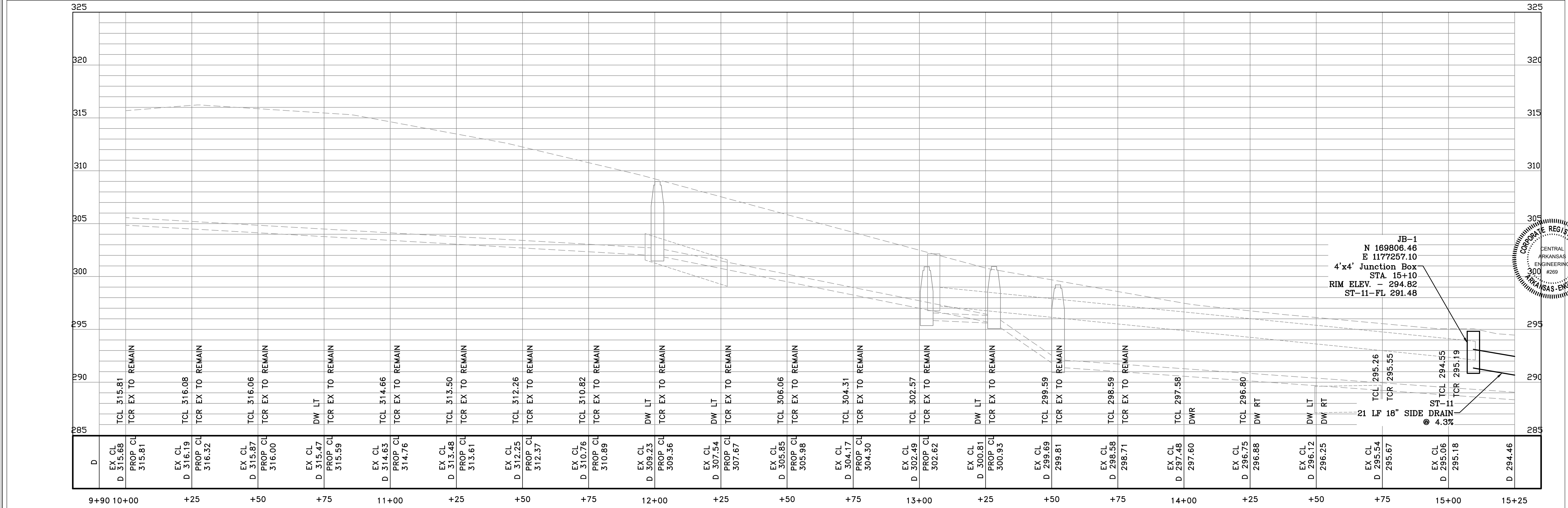
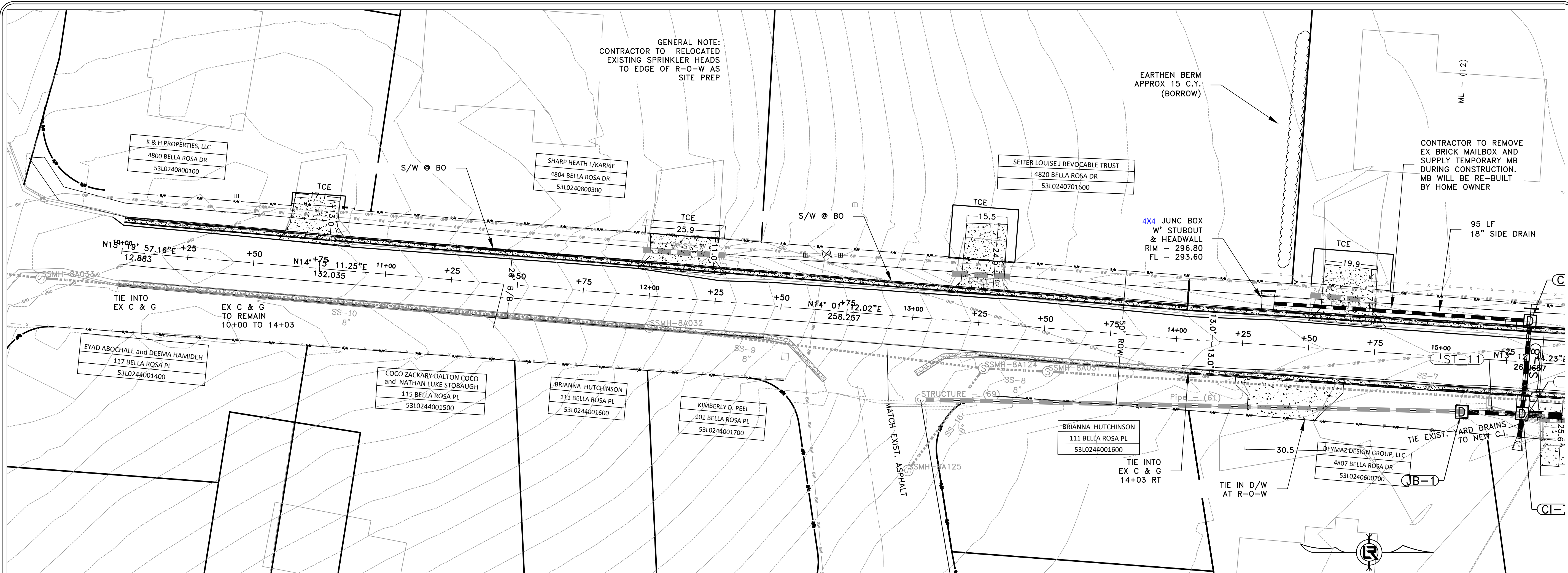
TYPICAL SECTIONS

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CLR # 5-17-ST-223  
**SHEET NO.**  
C3



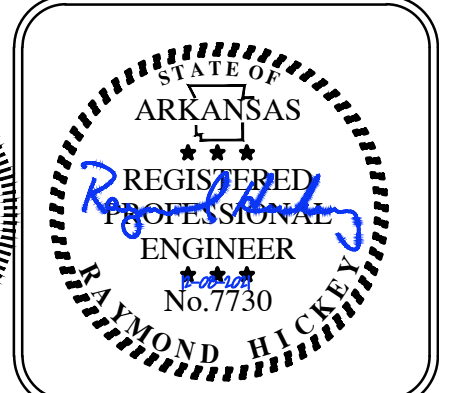


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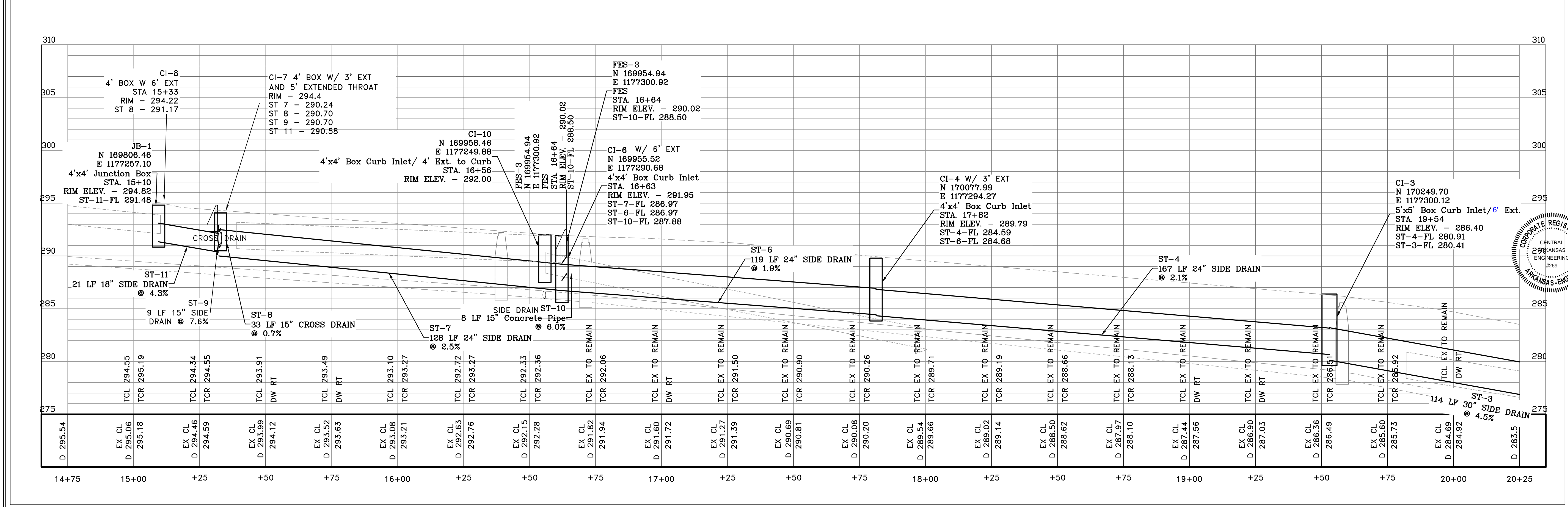
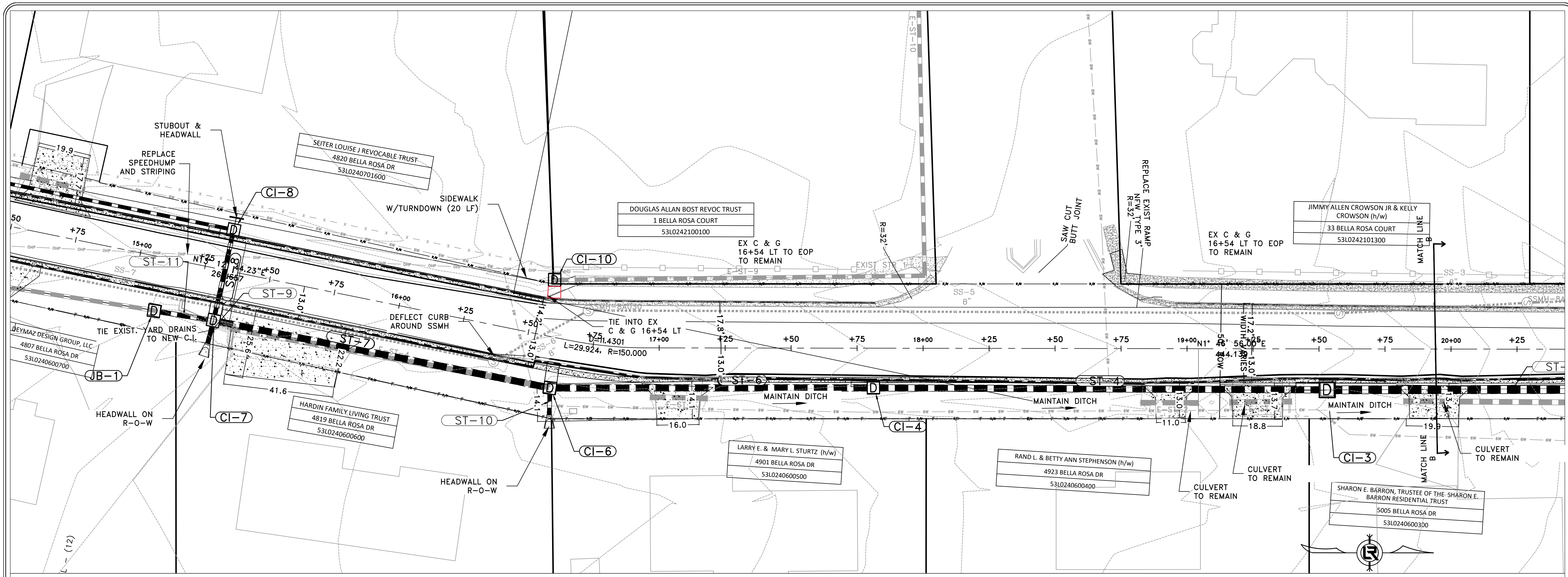
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**BELLA ROSA DRIVE IMPROVEMENTS**  
**PLAN & PROFILE 1**

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**SHEET NO.**  
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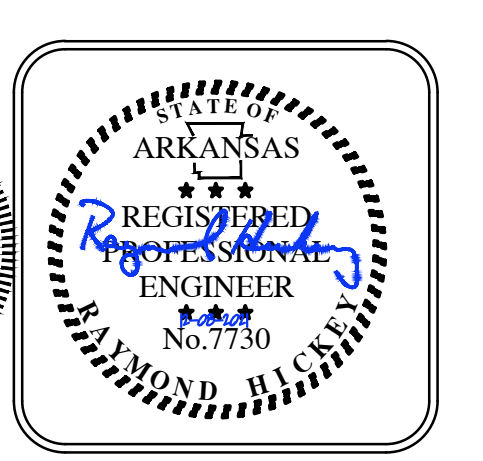


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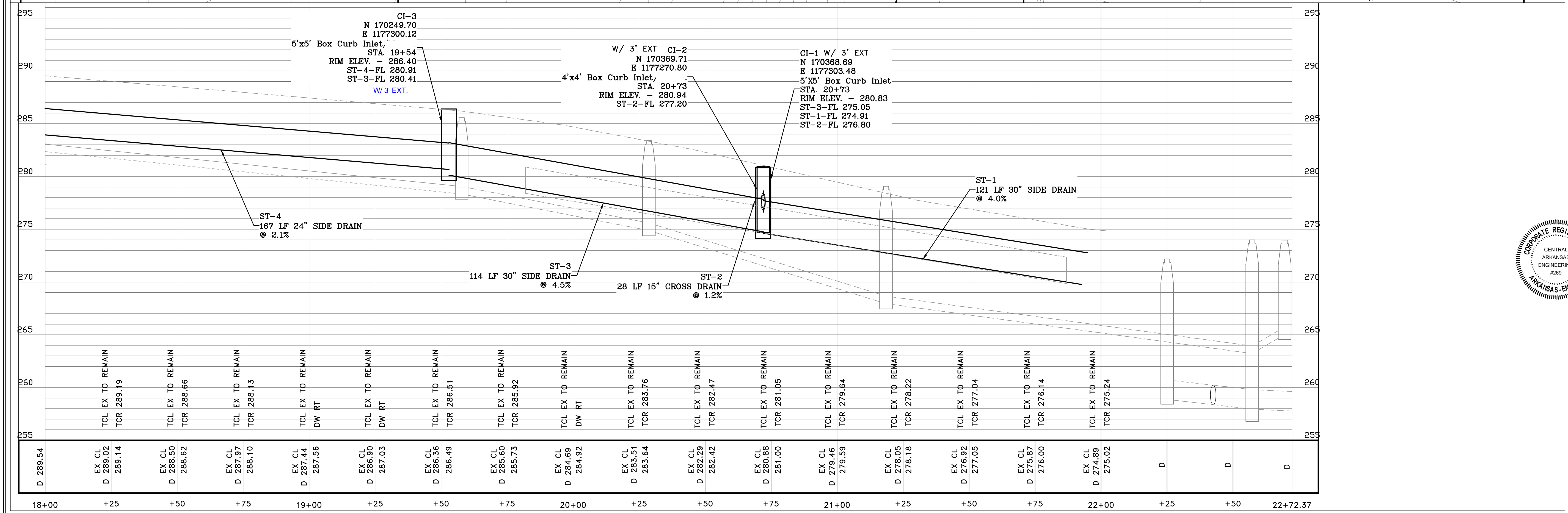
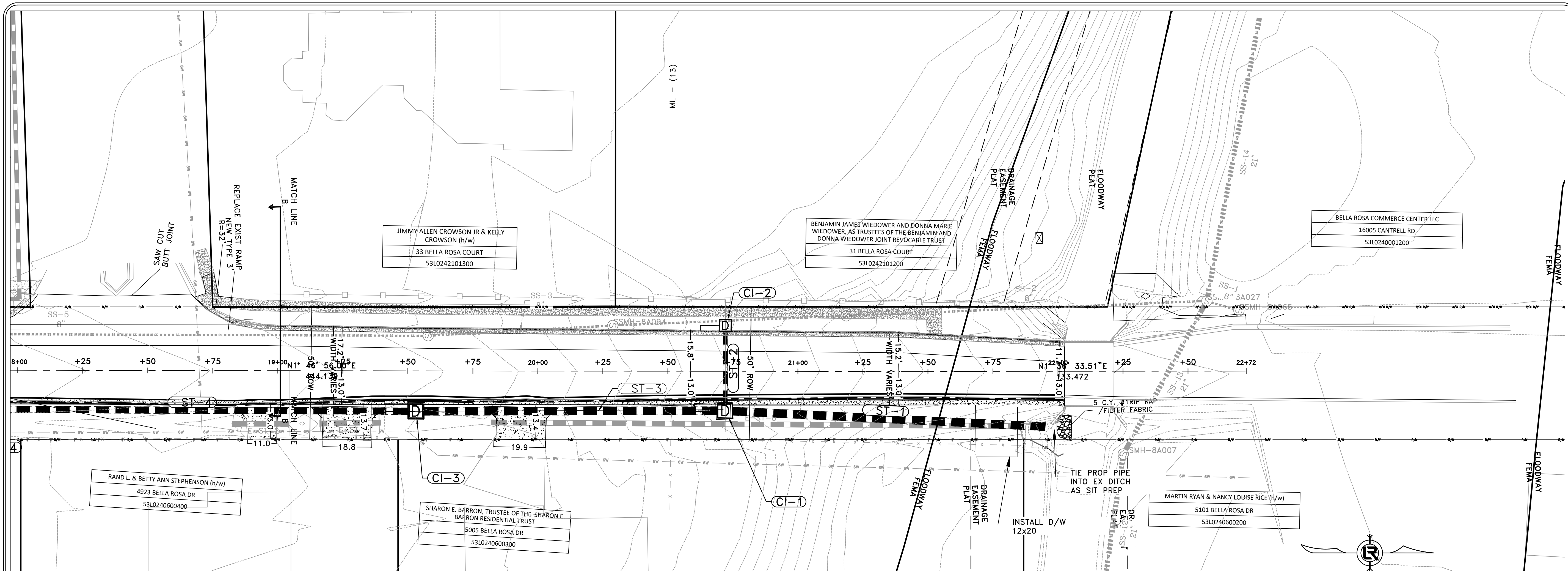
CITY OF LITTLE ROCK, ARKANSAS  
 BELLA ROSA DRIVE IMPROVEMENTS  
 PLAN & PROFILE 2

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 CIVIL ENGINEERING  
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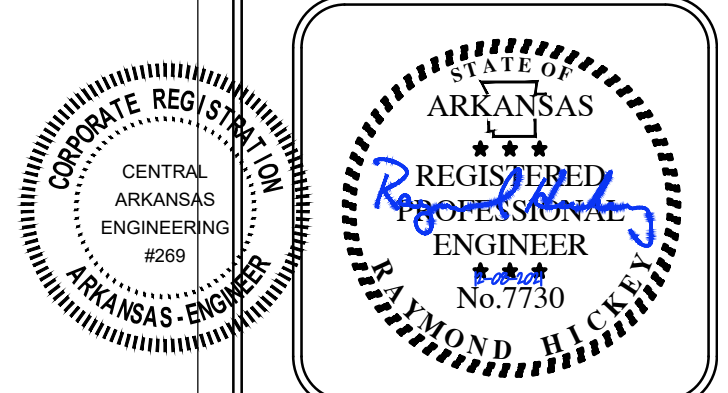
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D. 289.54	EX CL D. 289.02	EX CL D. 288.50	EX CL D. 287.97	EX CL D. 287.44	EX CL D. 286.90	EX CL D. 286.36	EX CL D. 285.80	EX CL D. 285.29	EX CL D. 284.69	EX CL D. 284.18	EX CL D. 283.51	EX CL D. 282.93	EX CL D. 282.29	EX CL D. 281.68	EX CL D. 281.05	EX CL D. 279.46	EX CL D. 278.87	EX CL D. 278.18	D	D	D
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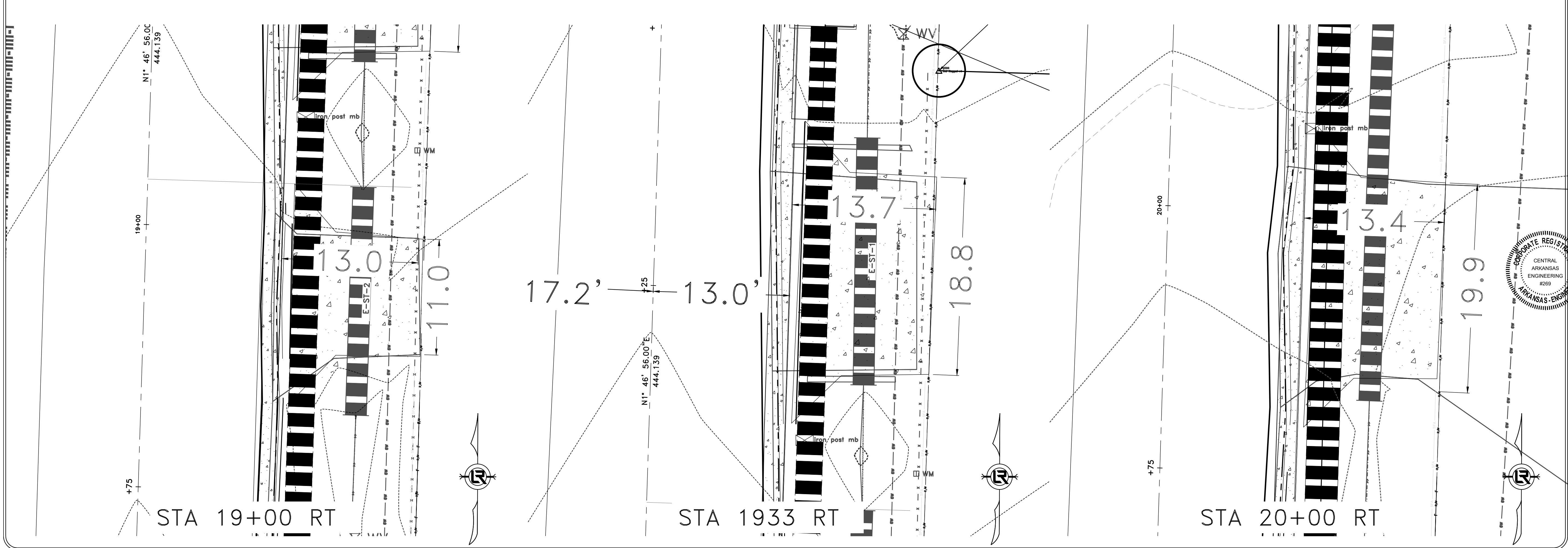
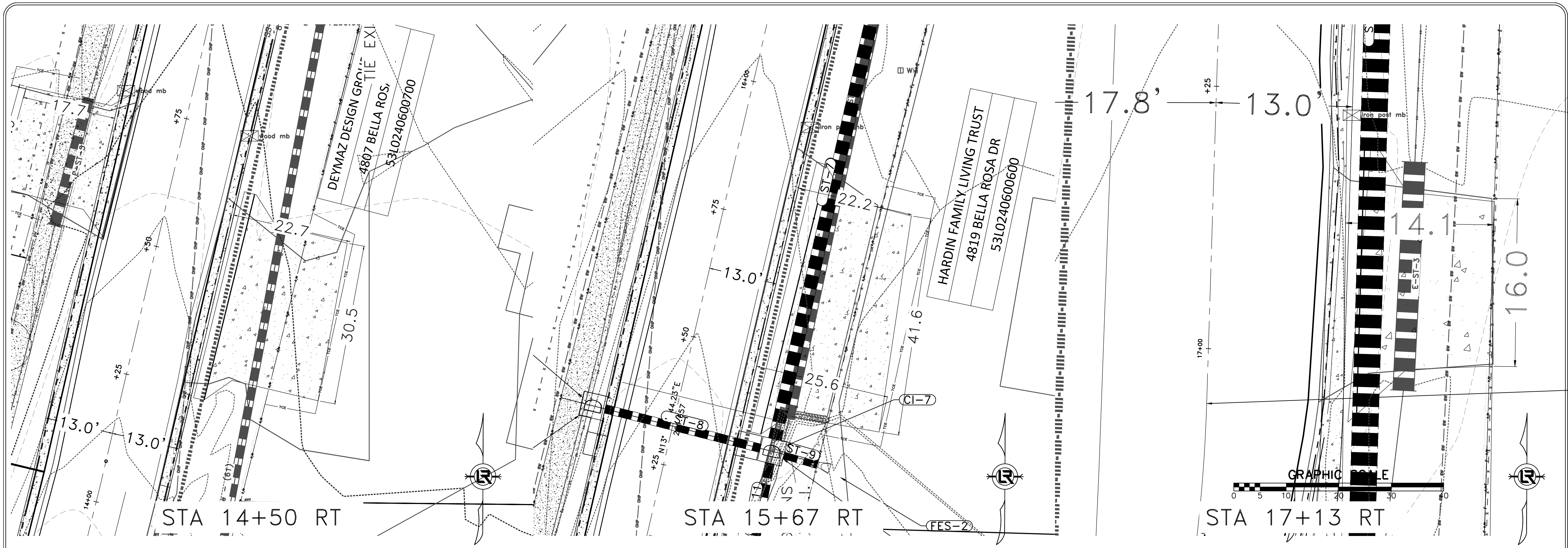
CITY OF LITTLE ROCK, ARKANSAS  
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 PLAN & PROFILE 3

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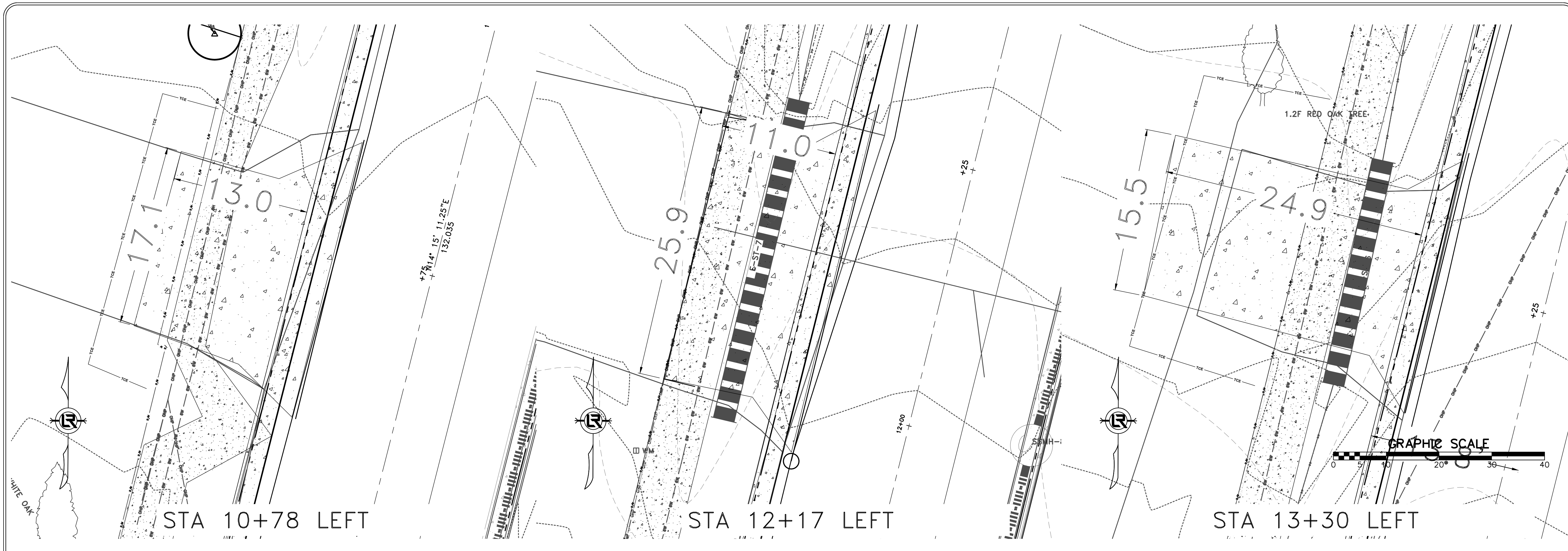
**CITY OF LITTLE ROCK, ARKANSAS**  
 Bella Rosa Drive Improvements  
 DRIVEWAYS 1

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**C7**





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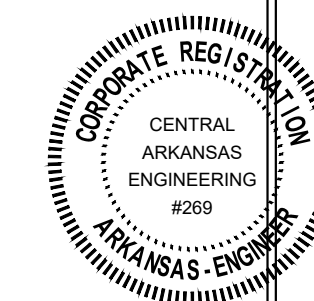
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**CITY OF LITTLE ROCK, ARKANSAS**  
 Bella Rosa Drive Improvements  
 DRIVEWAYS 2

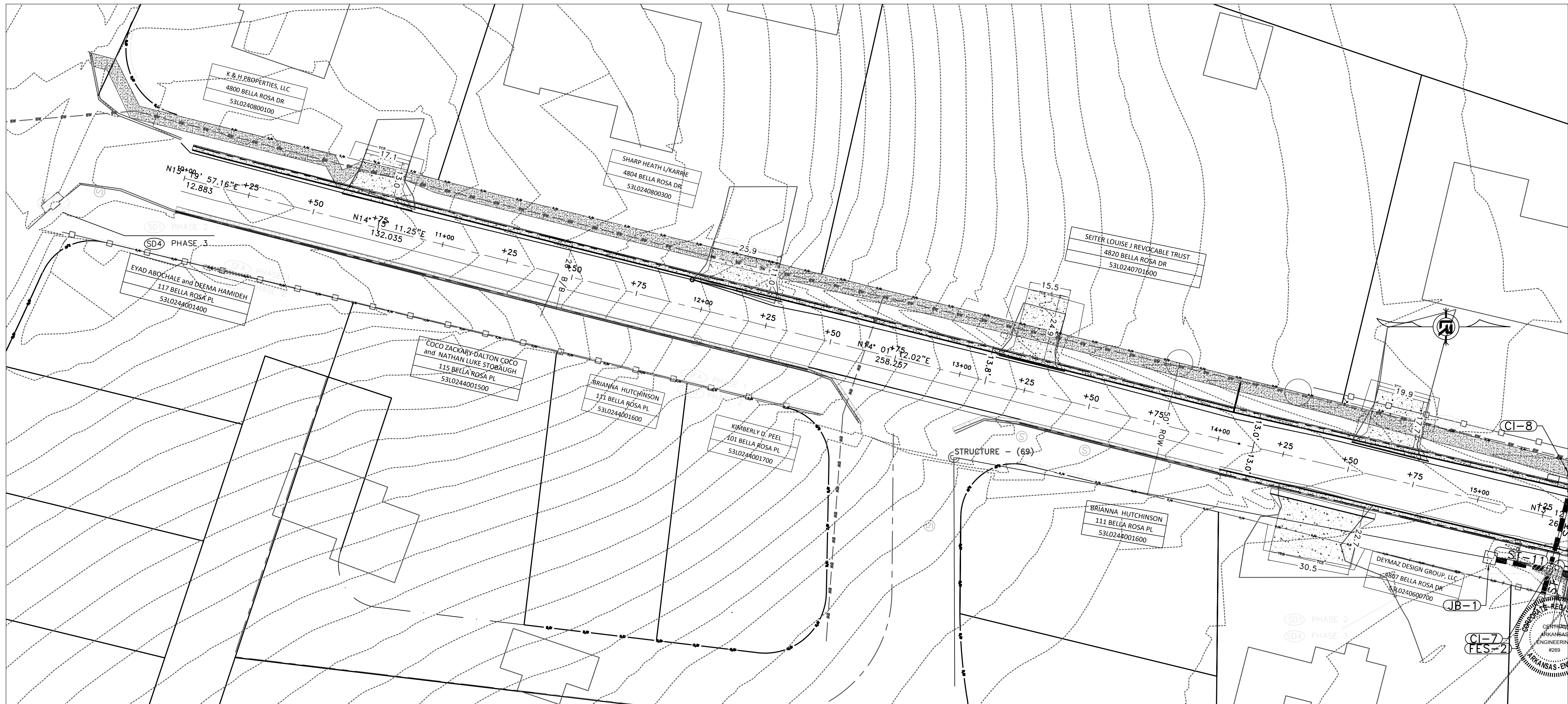
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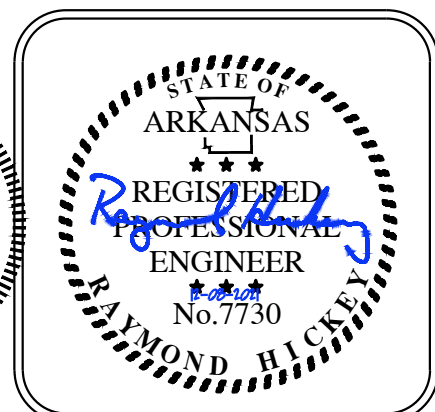
CITY OF LITTLE ROCK, ARKANSAS  
Bella Rosa Drive Improvements

EROSION CONTROL - 1

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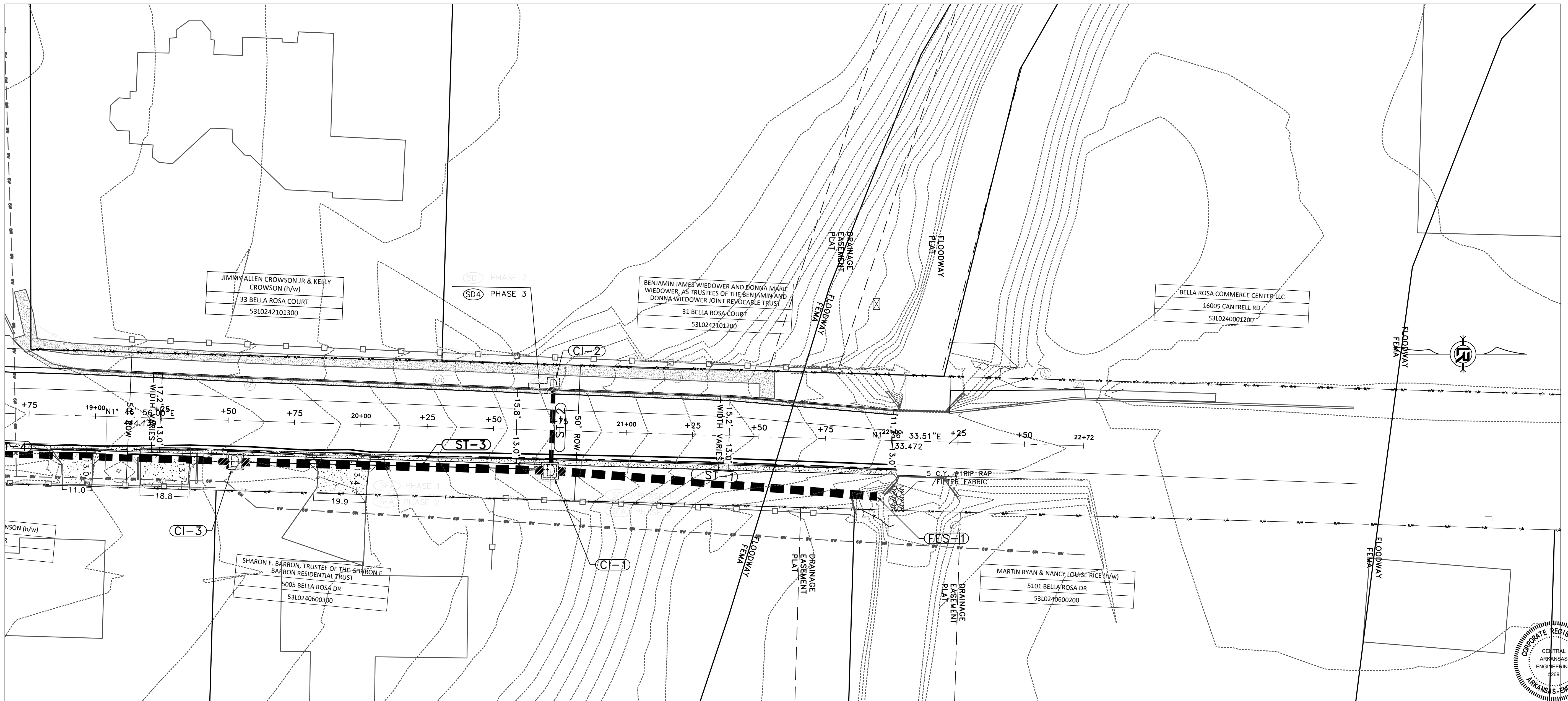
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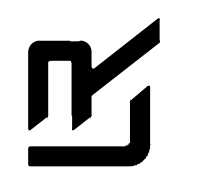
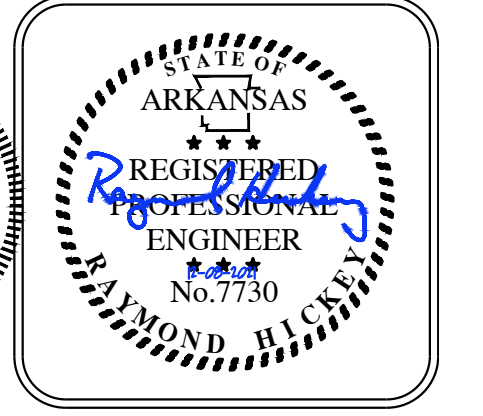


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**CITY OF LITTLE ROCK, ARKANSAS**  
 Bella Rosa Drive Improvements  
 EROSION CONTROL - 3

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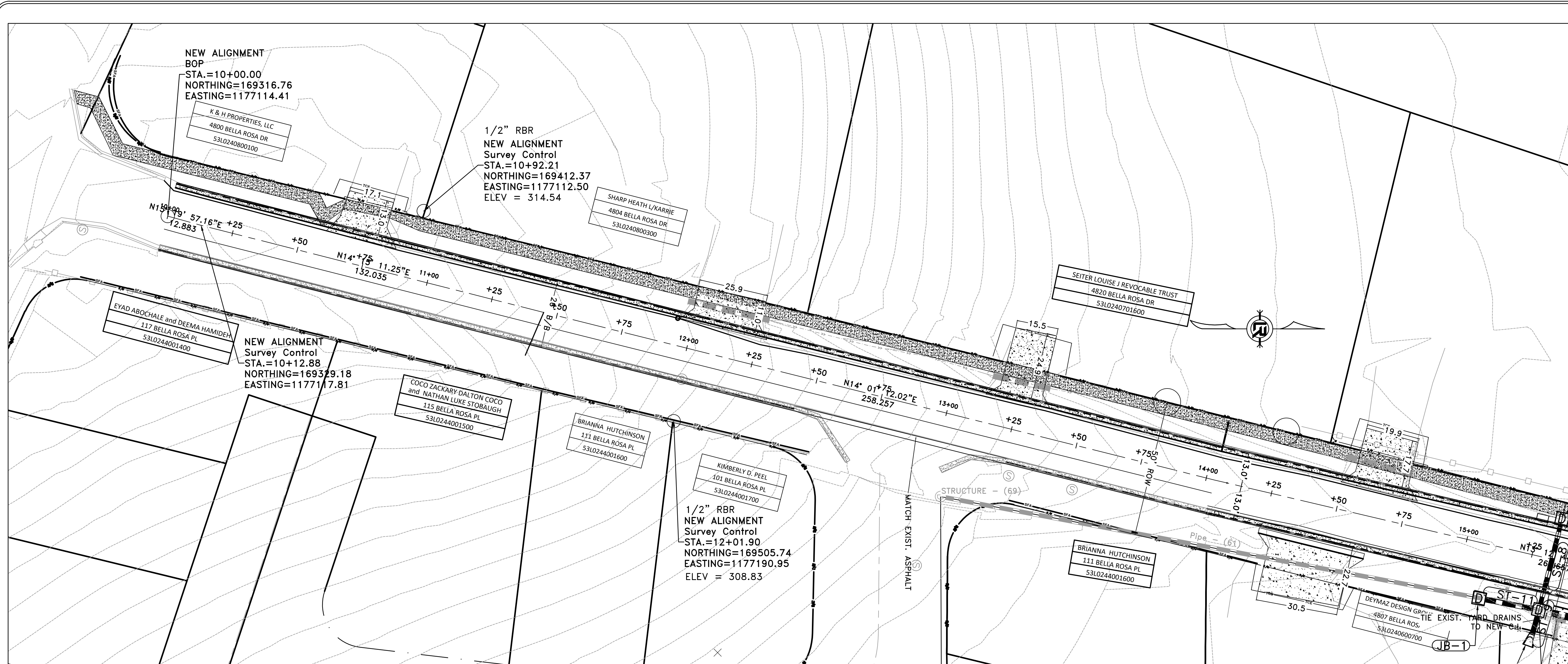
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CLR # 5-17-ST-223

**SHEET NO.**  
C11





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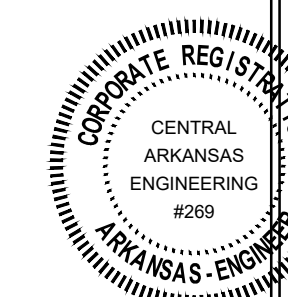
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Bella Rosa Drive Improvements

SURVEY CONTROL - 1

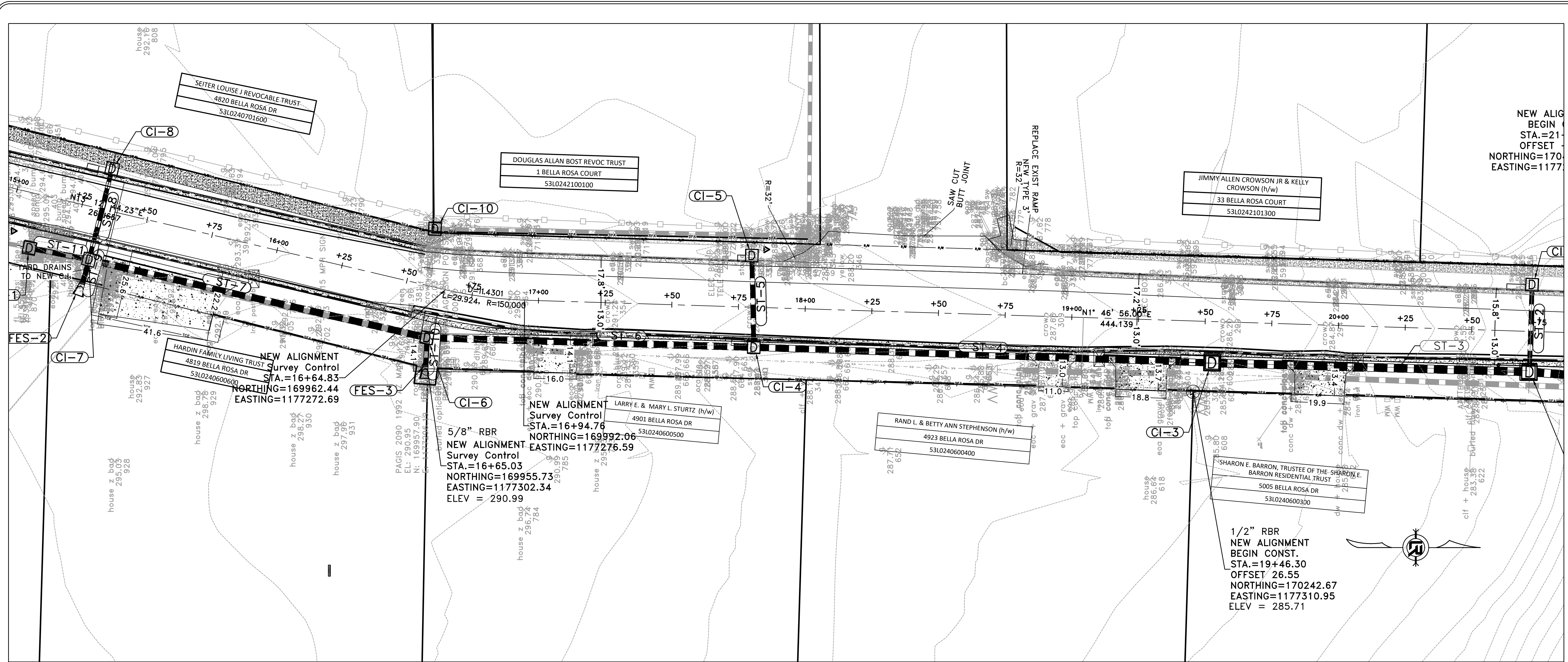
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SHEET NO.

C12



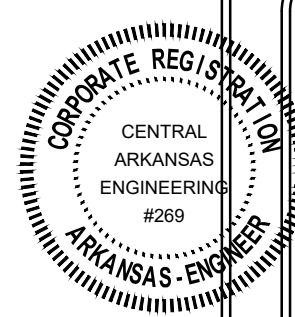


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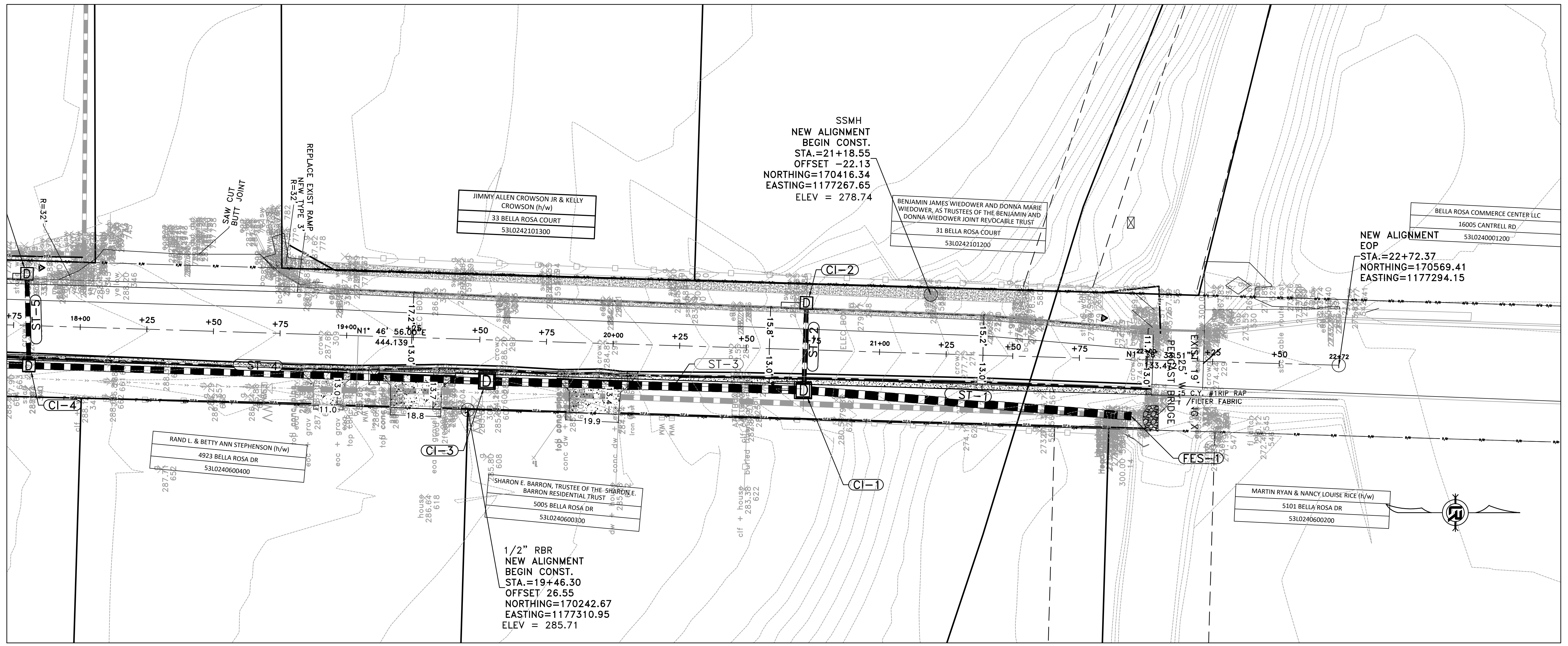
**CITY OF LITTLE ROCK, ARKANSAS**  
 Bella Rosa Drive Improvements  
 SURVEY CONTROL - 2

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 Bella Rosa Drive Improvements

SURVEY CONTROL - 3

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SHEET NO.  
**C14**

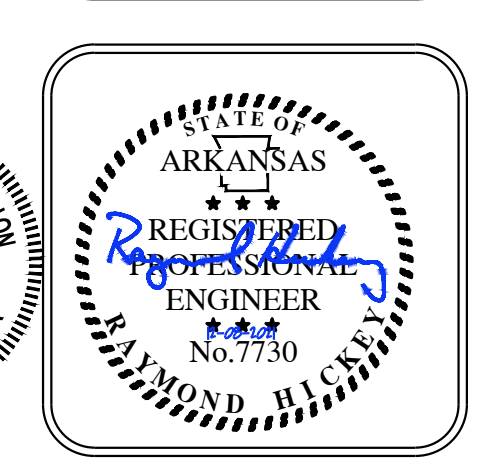


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CITY OF LITTLE ROCK, ARKANSAS  
 BELLA ROSA DRIVE IMPROVEMENTS  
 X-SECTIONS 1

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



**DRAWN BY**  
ZR

**DESIGNED**  
RH

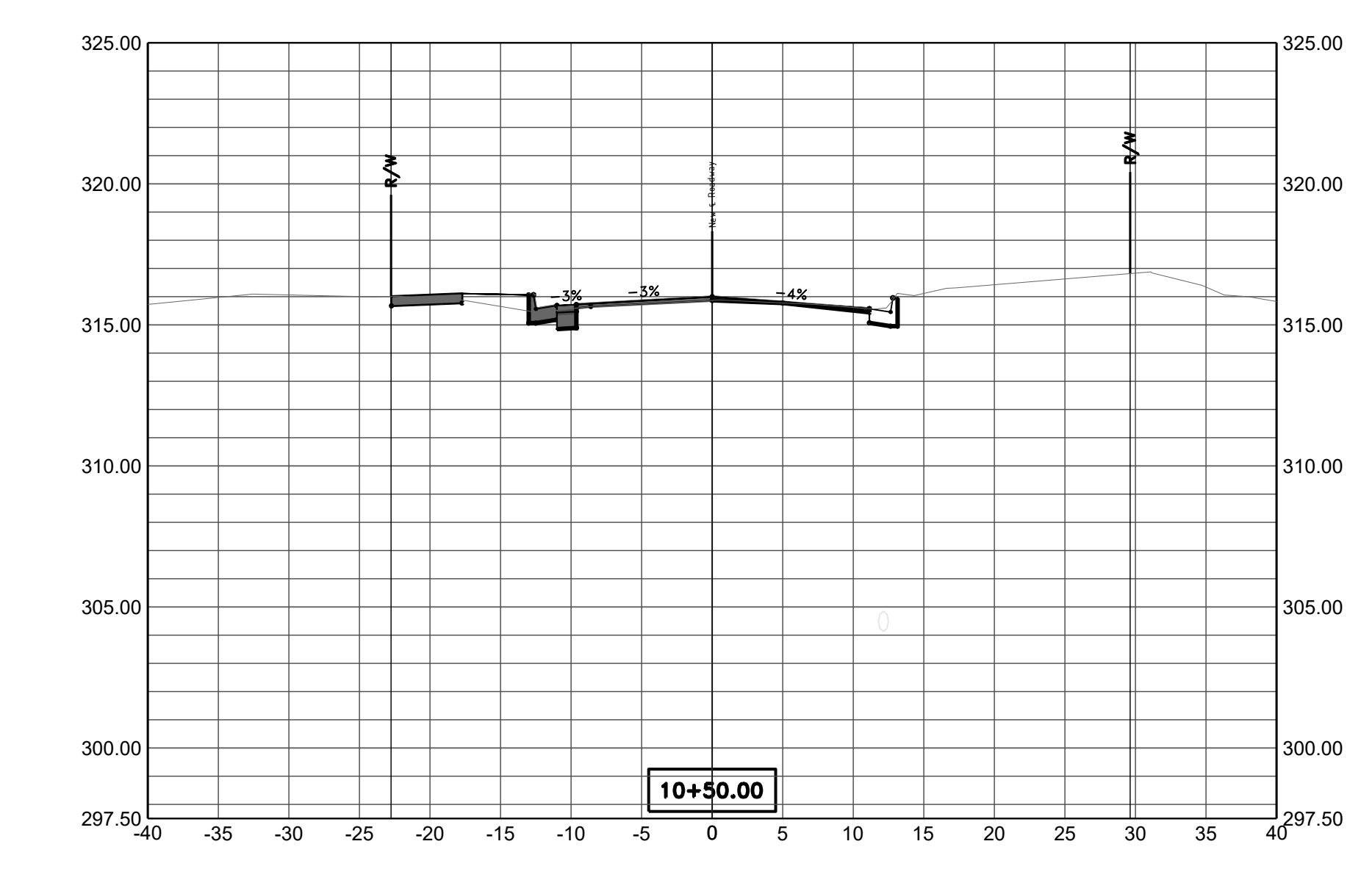
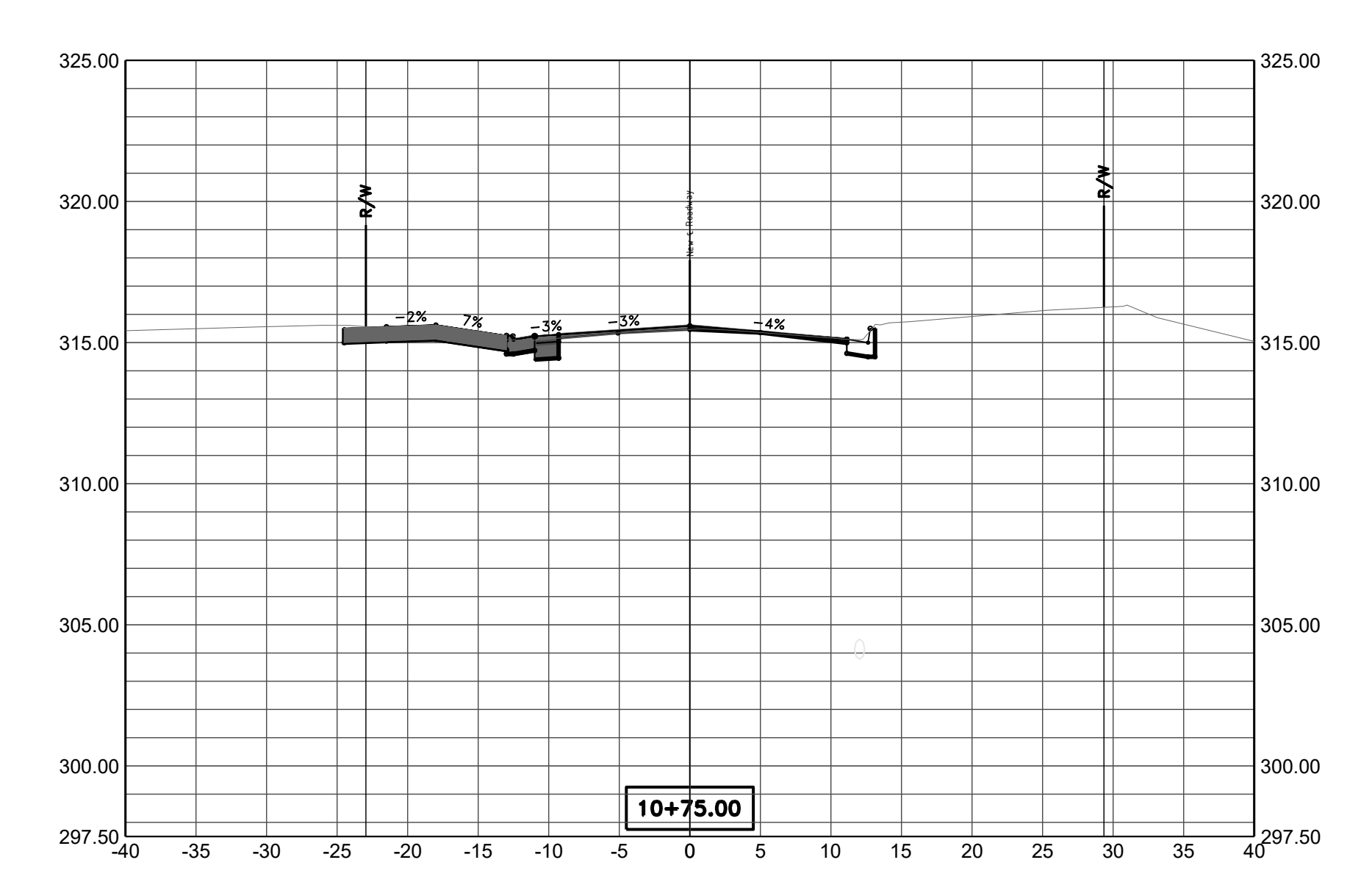
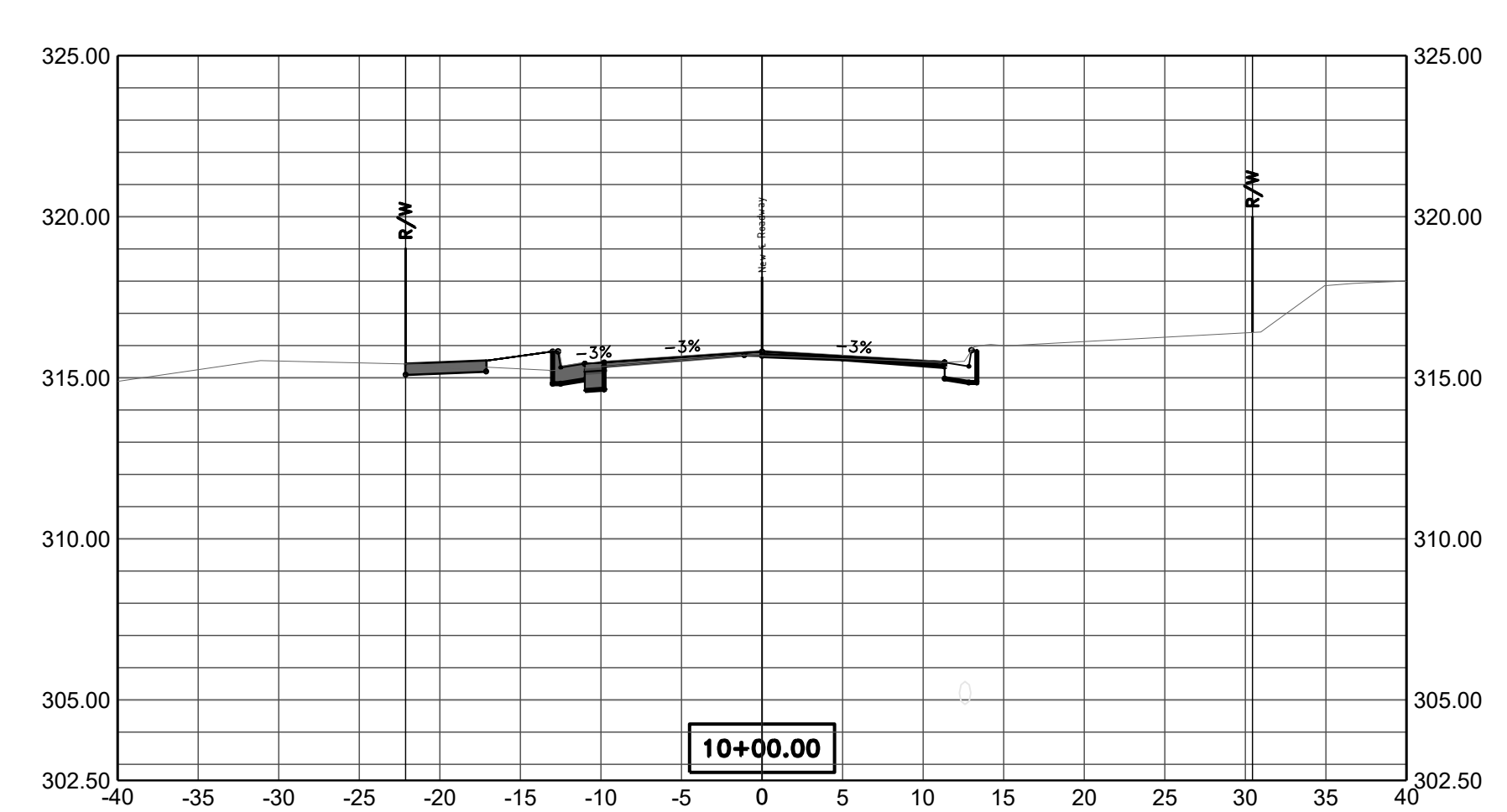
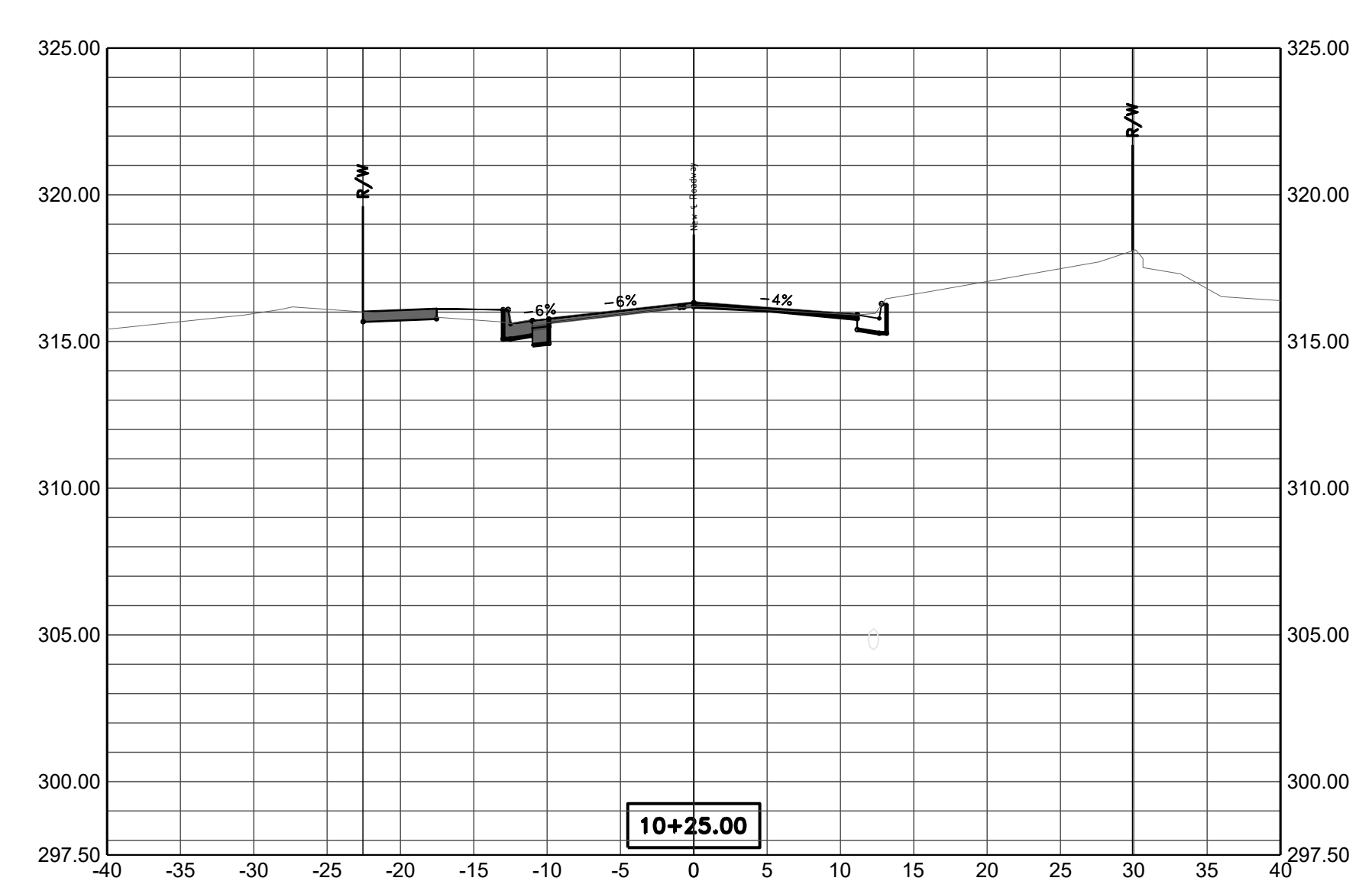
**CHECKED**  
RH

**DATE**  
12-30-21

**SCALE**  
1" = 40'H, 1/4" = 5' V

**PROJECT NO.**  
5-17-ST-223

**SHEET NO.**  
C15





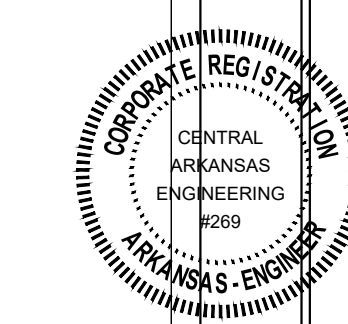
REVISIONS	DATE

90% Submittal

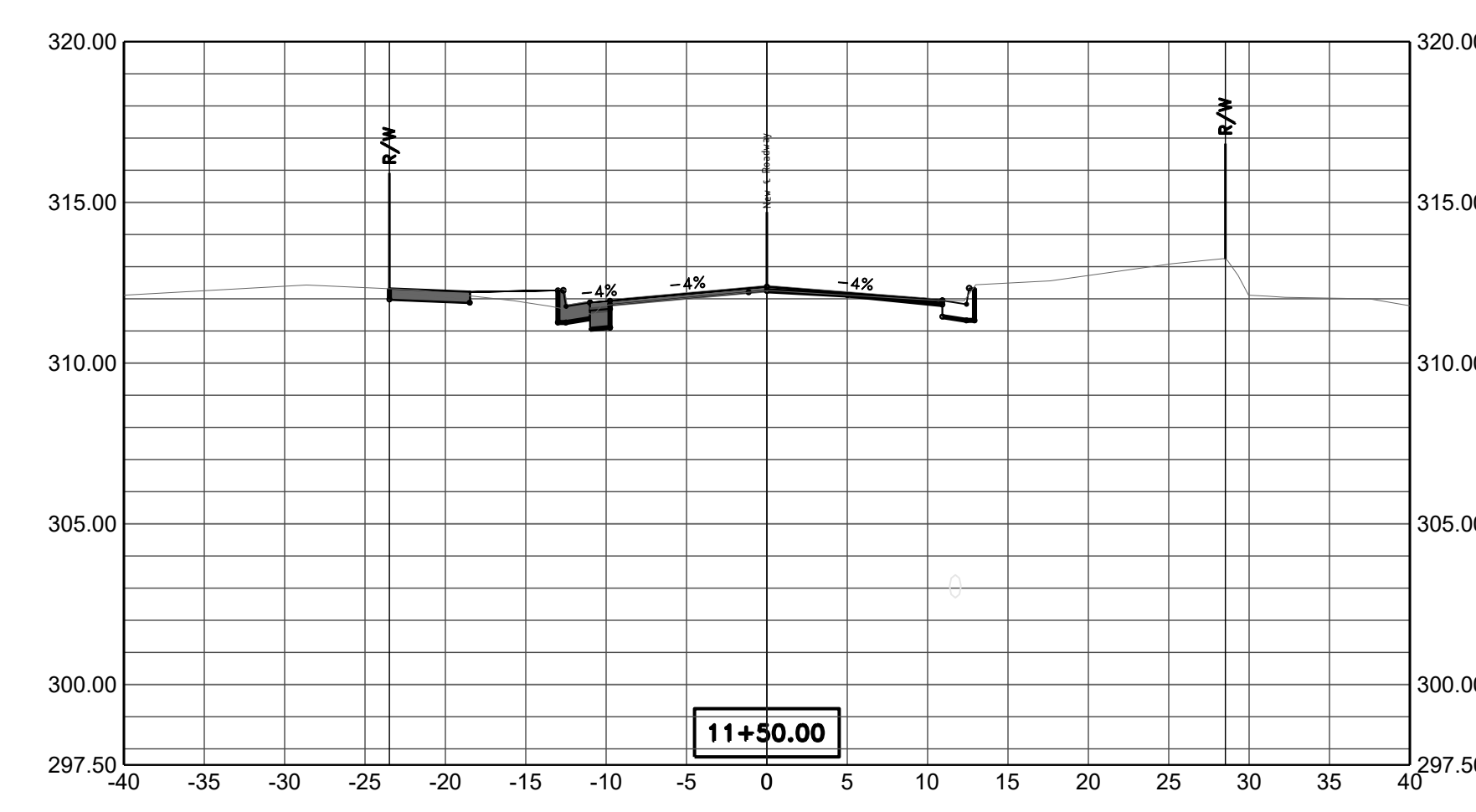
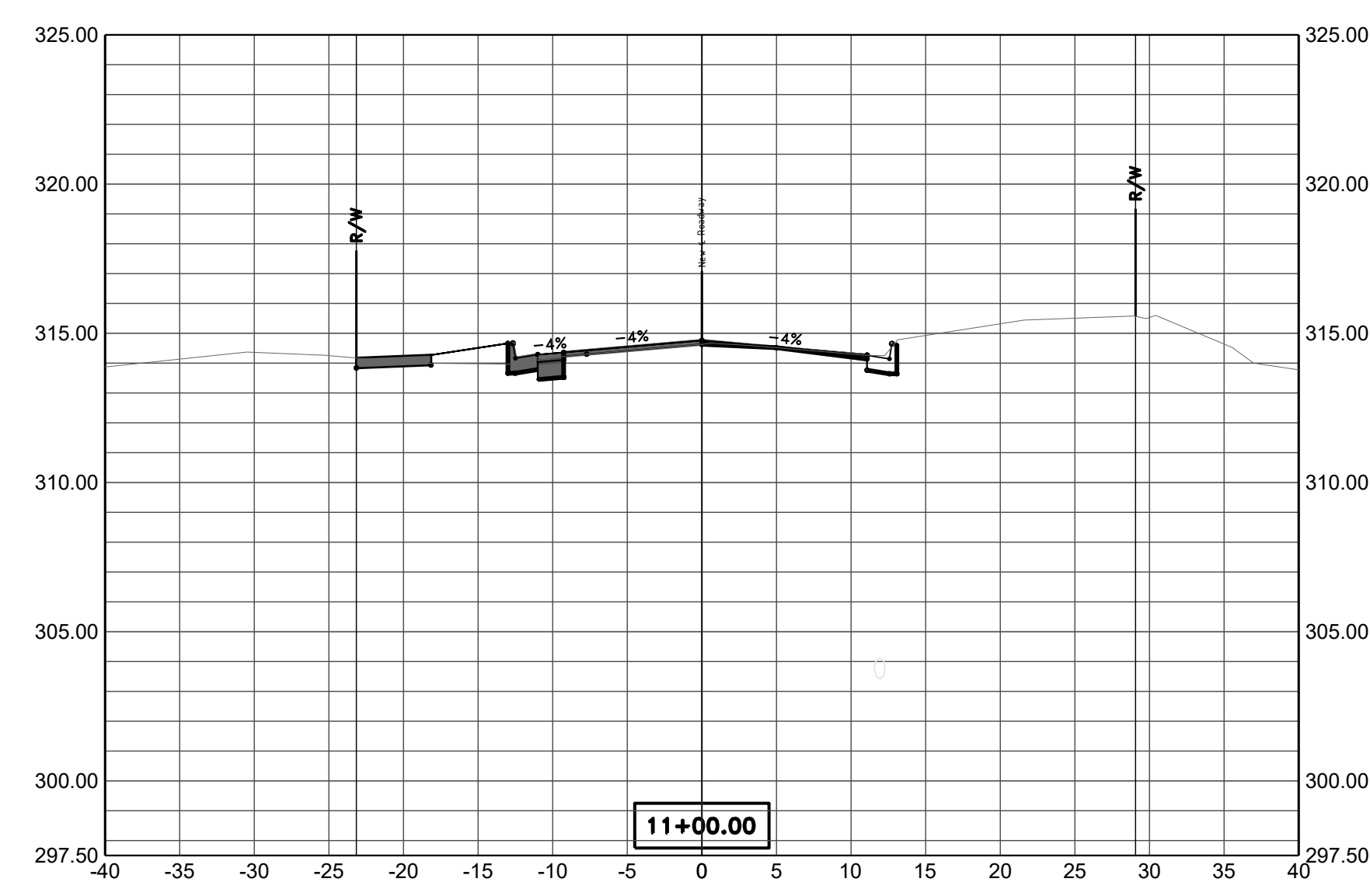
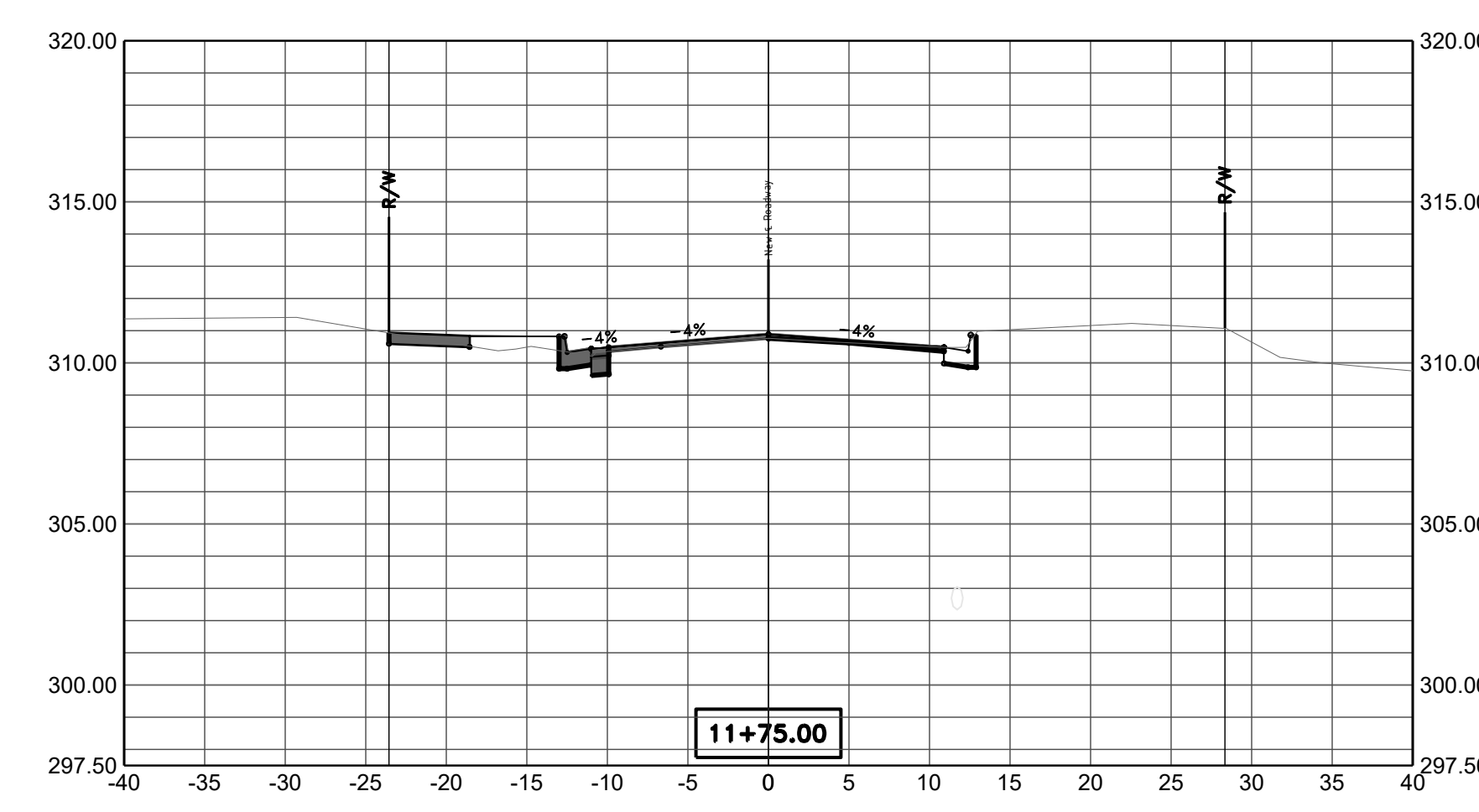
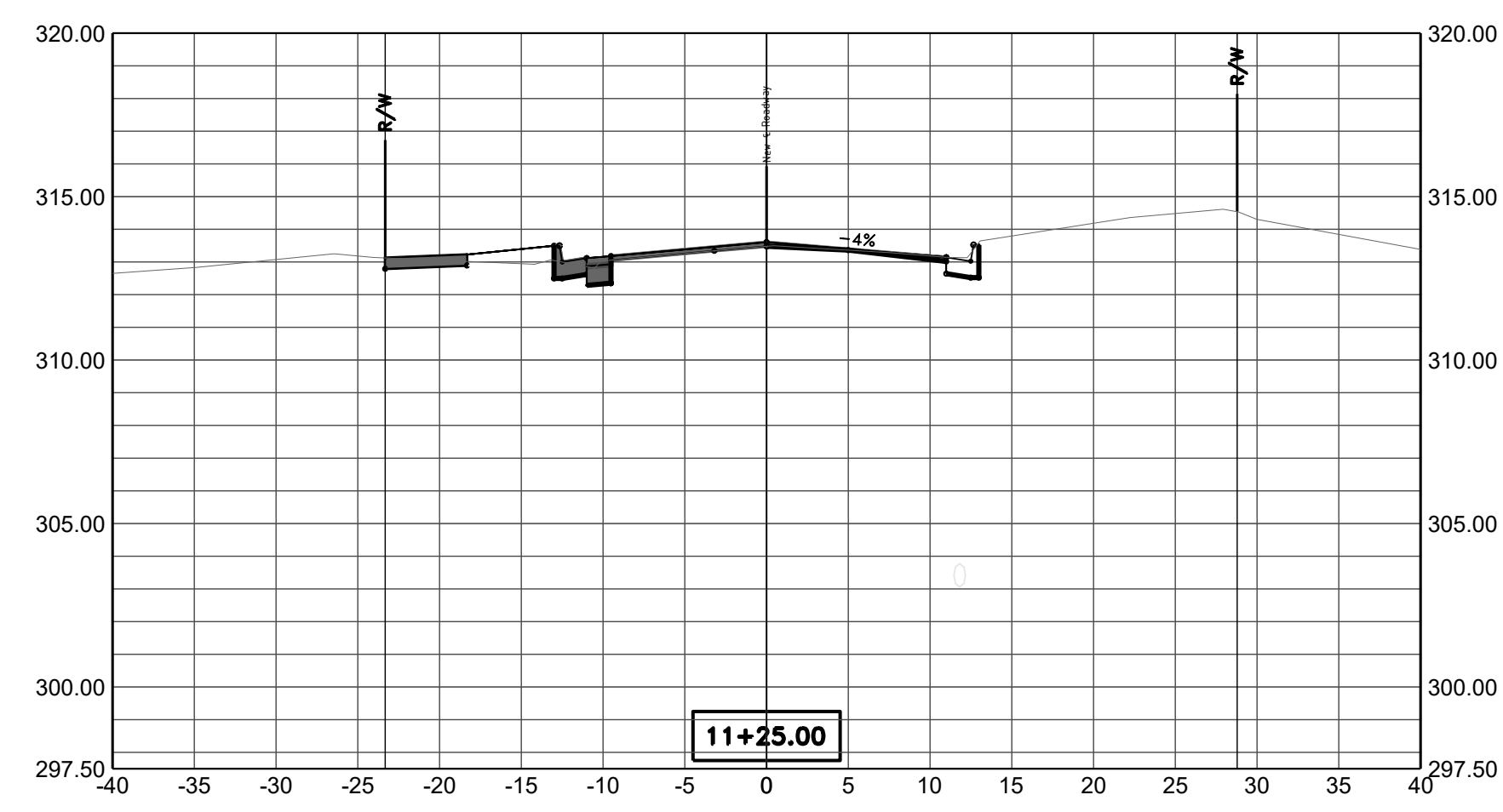
CITY OF LITTLE ROCK, ARKANSAS  
Bella Rosa Drive Improvements

X-SECTIONS 2

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



<b>DRAWN BY</b> ZR
<b>DESIGNED</b> RH
<b>CHECKED</b> RH
<b>DATE</b> 12-30-21
<b>SCALE</b> 1" = 10' H 1" = 5' V
<b>PROJECT NO.</b> CLR # 5-17-ST-223
<b>SHEET NO.</b> C16





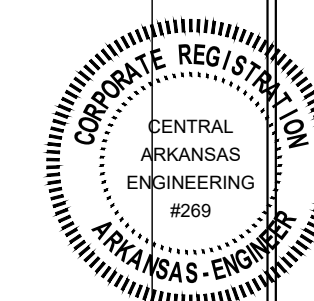
REVISIONS	DATE

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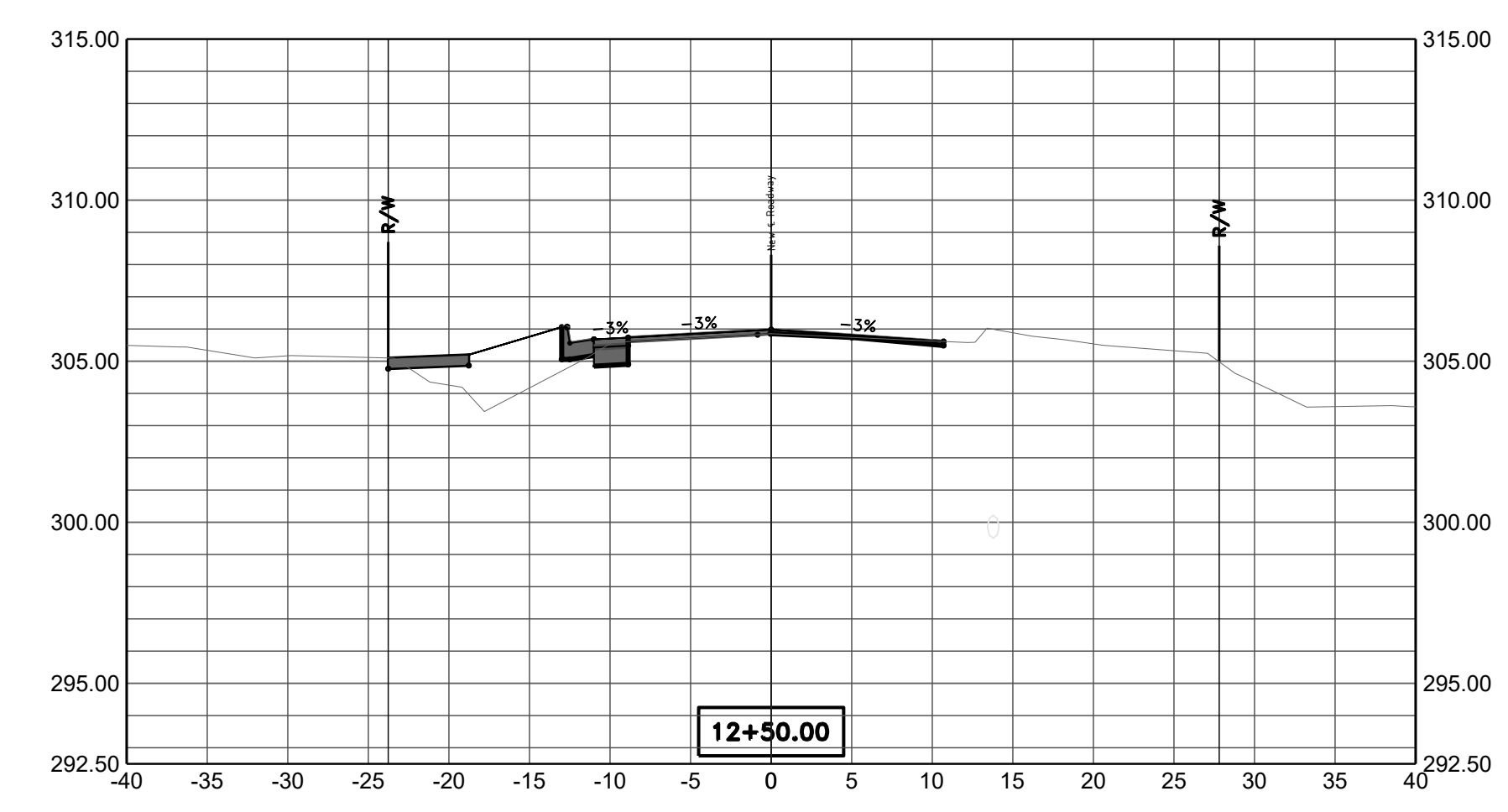
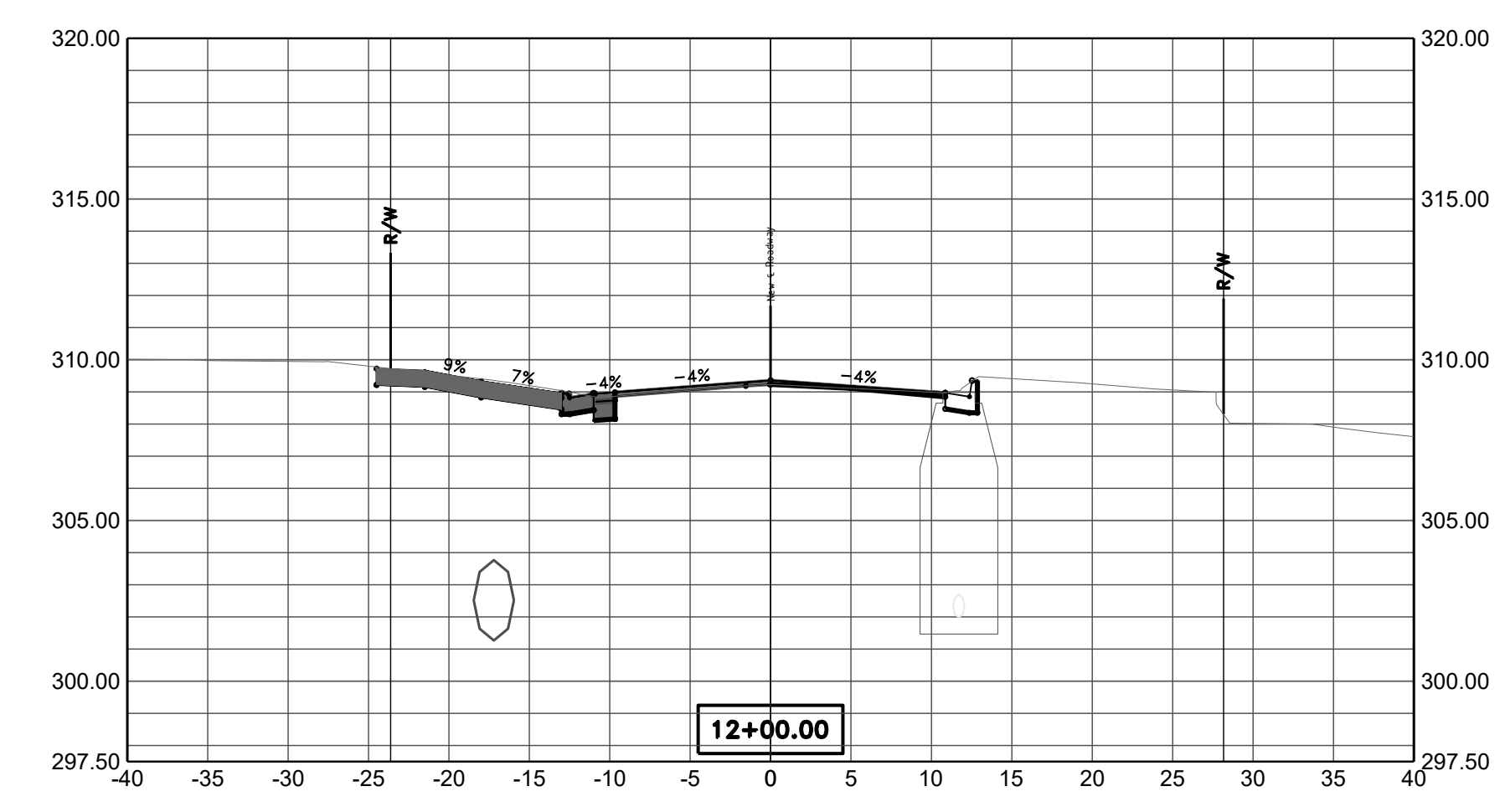
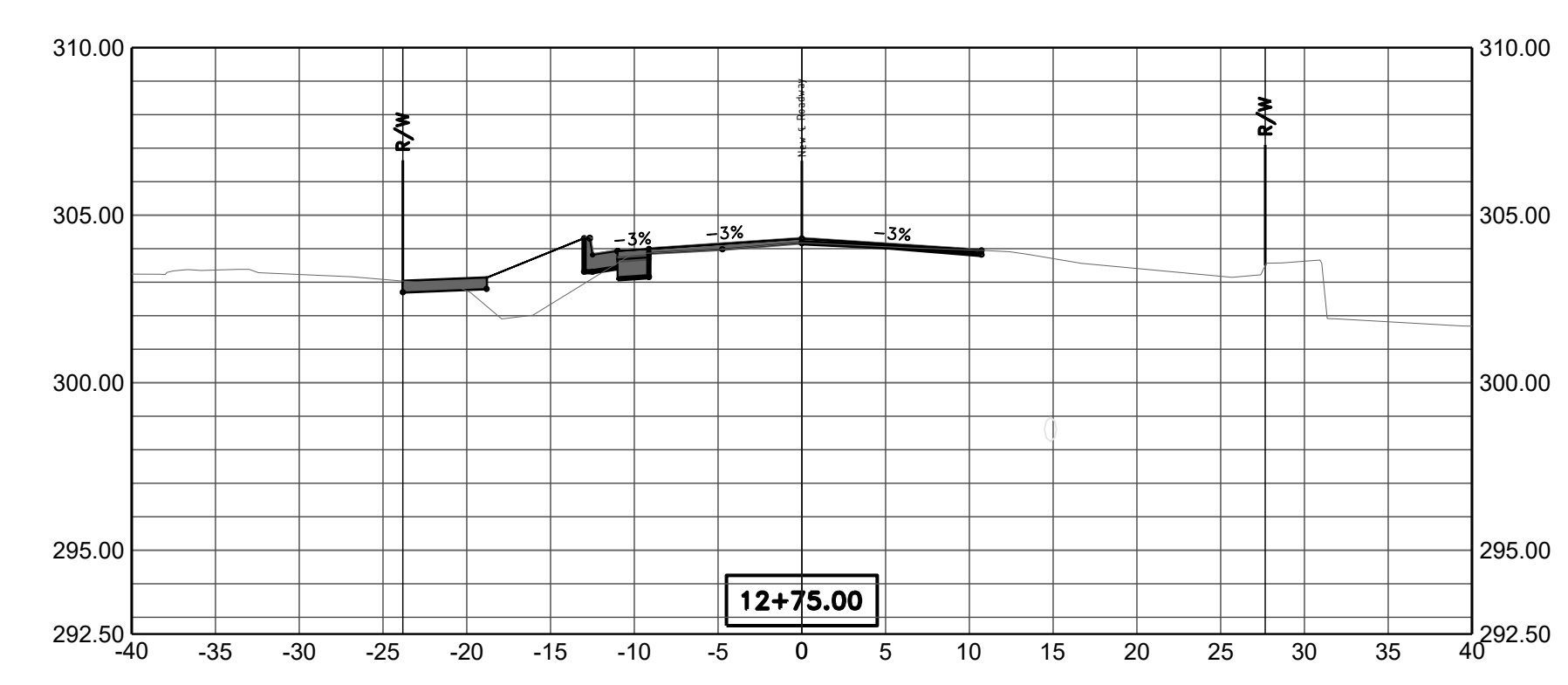
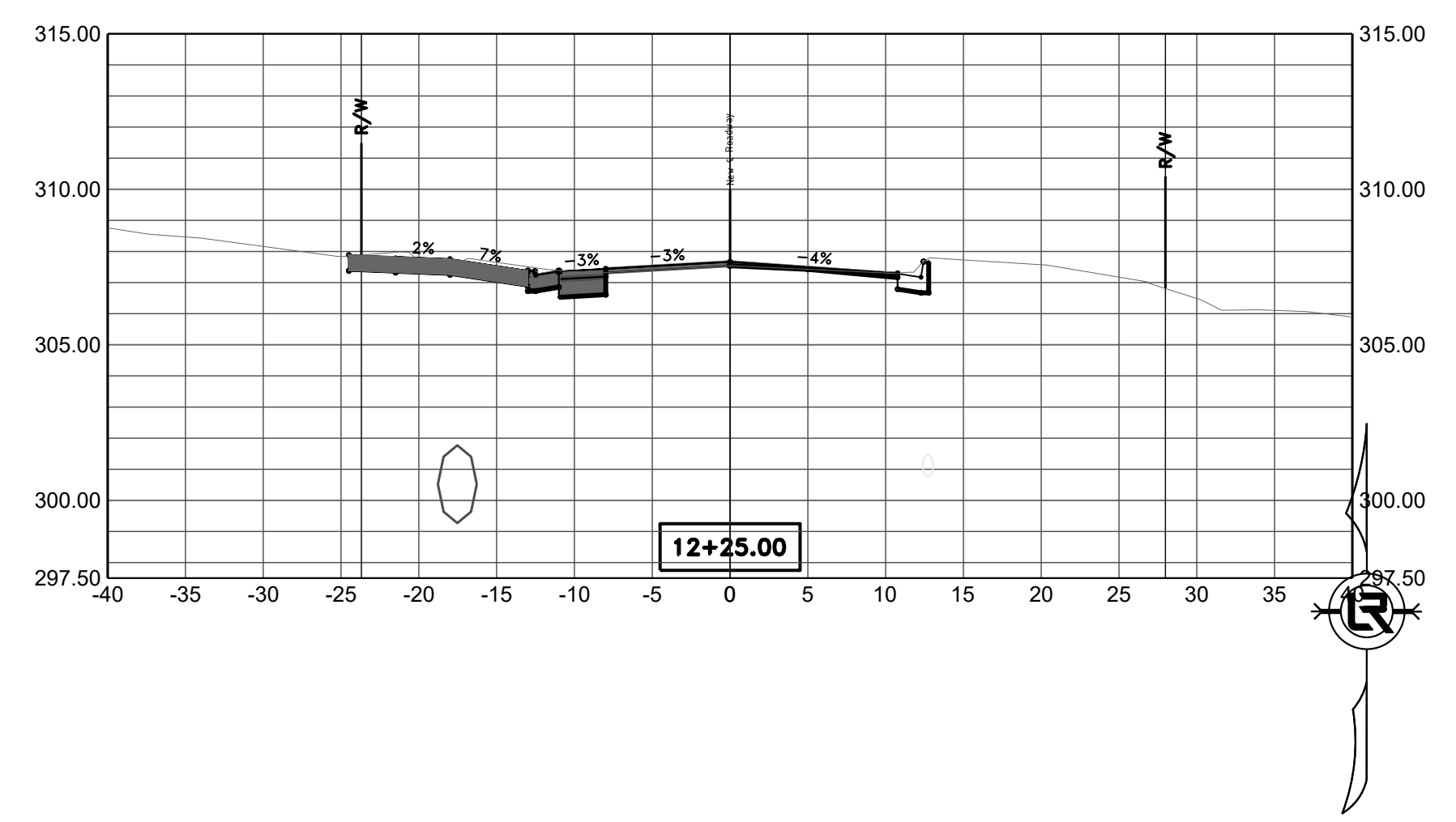
CITY OF LITTLE ROCK, ARKANSAS  
Bella Rosa Drive Improvements

X-SECTIONS 3

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



<b>DRAWN BY</b> ZR
<b>DESIGNED</b> RH
<b>CHECKED</b> RH
<b>DATE</b> 12-30-21
<b>SCALE</b> 1" = 10' H 1" = 5' V
<b>PROJECT NO.</b> CLR # 5-17-ST-223
<b>SHEET NO.</b> C17





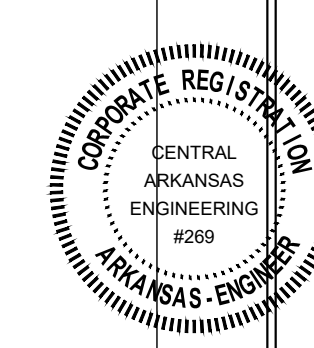
REVISIONS	DATE

90% Submittal

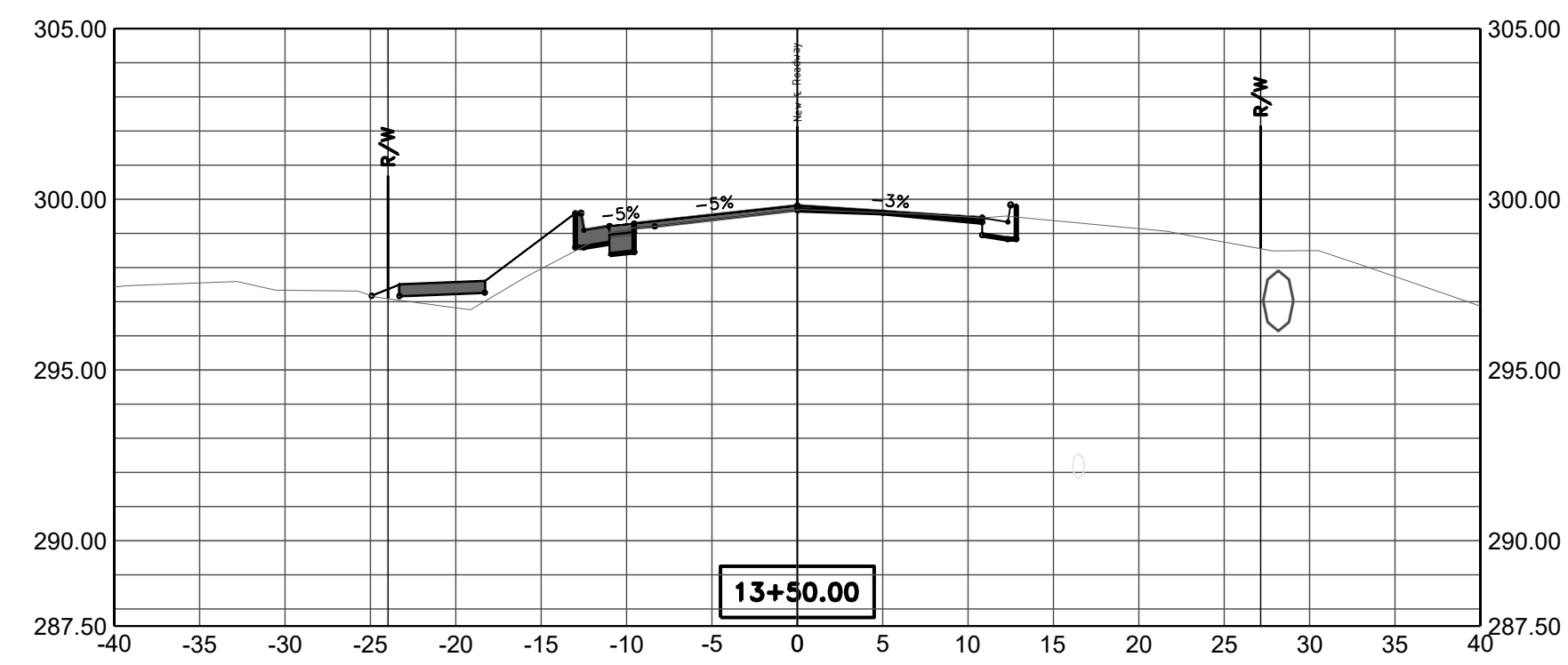
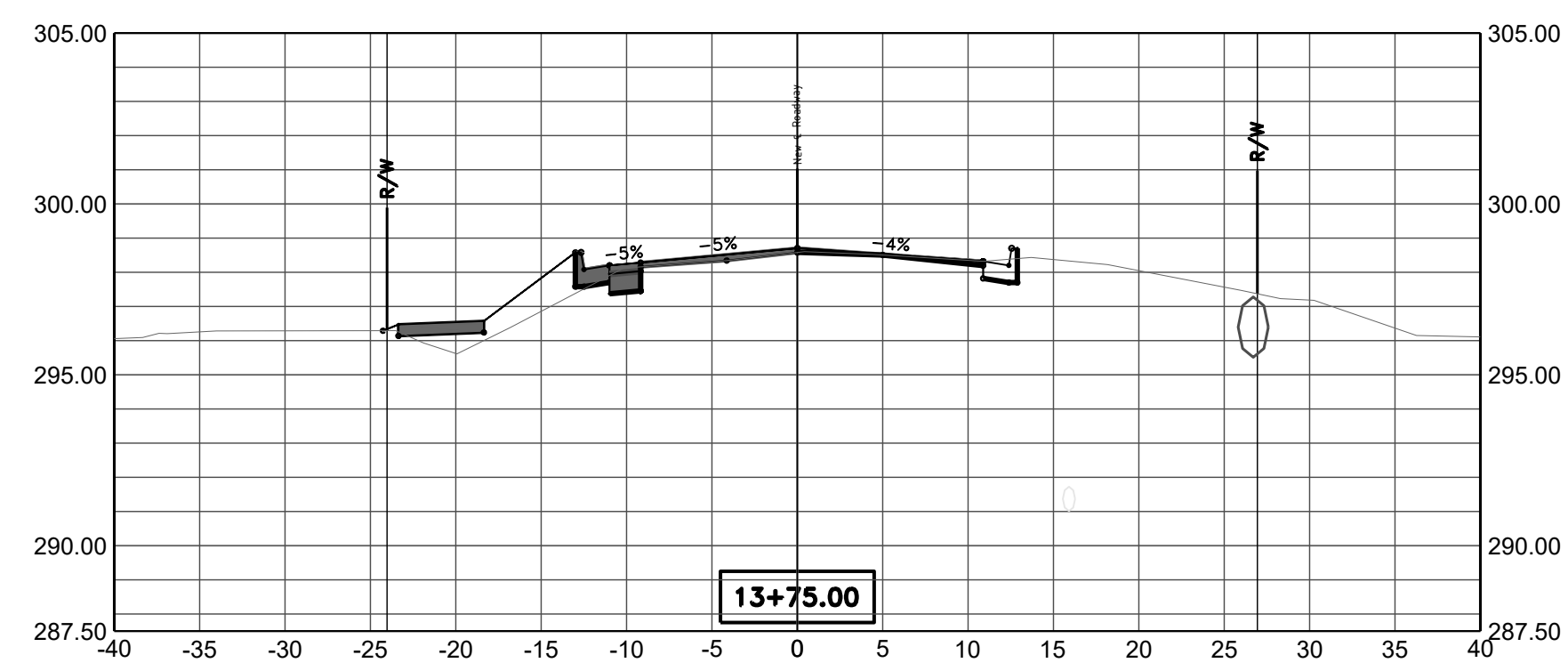
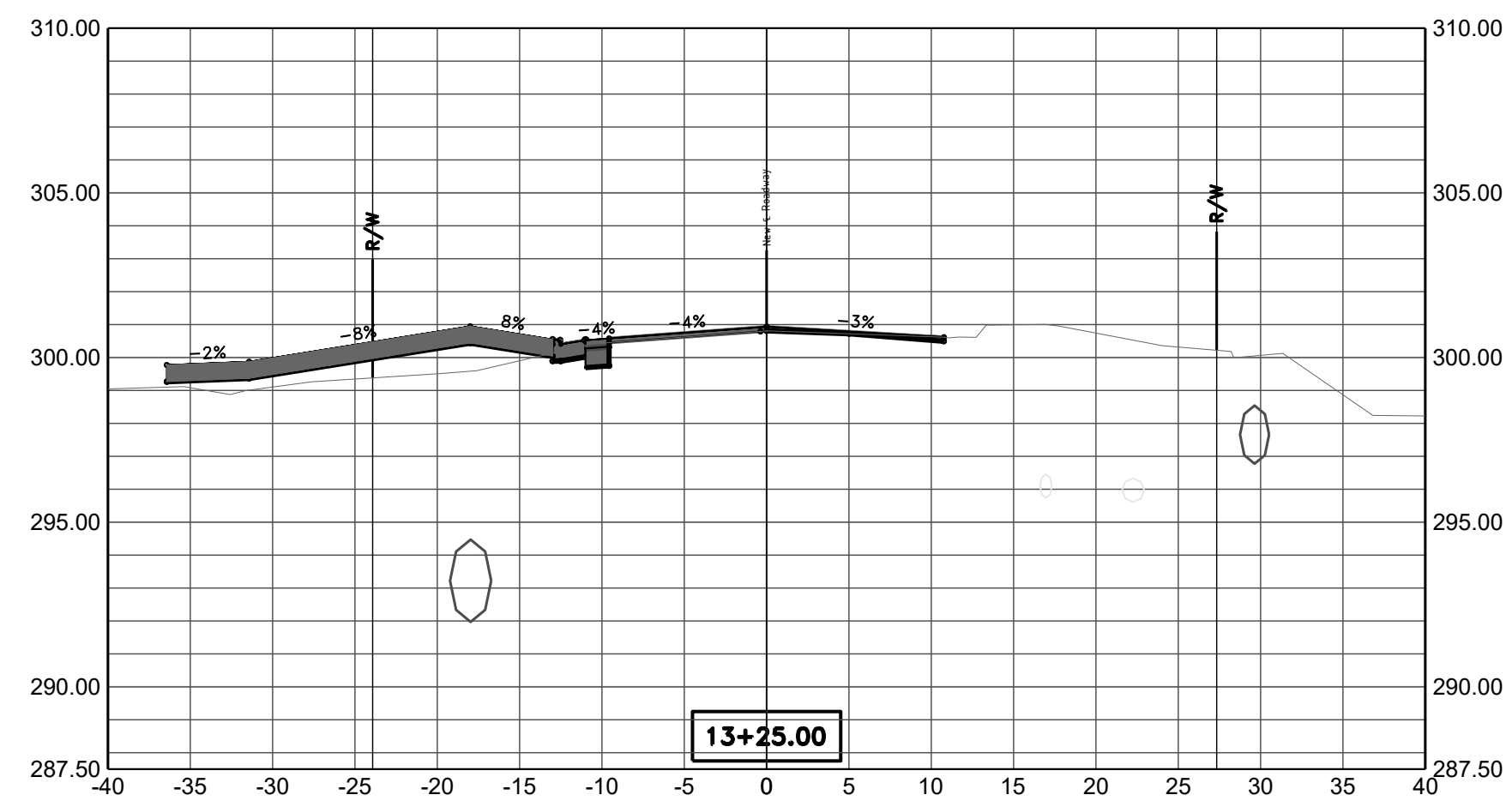
CITY OF LITTLE ROCK, ARKANSAS  
Bella Rosa Drive Improvements

X-SECTIONS 4

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



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ZR  
**DESIGNED**  
RH  
**CHECKED**  
RH  
**DATE**  
12-30-21  
**SCALE**  
1" = 10' H 1" = 5' V  
**PROJECT NO.**  
CLR # 5-17-ST-223  
**SHEET NO.**  
C18





REVISIONS DATE

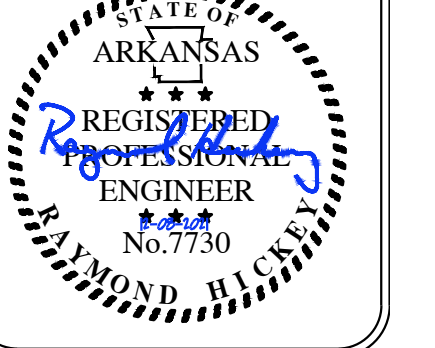
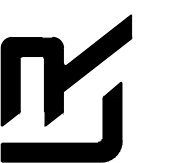
REVISIONS	DATE

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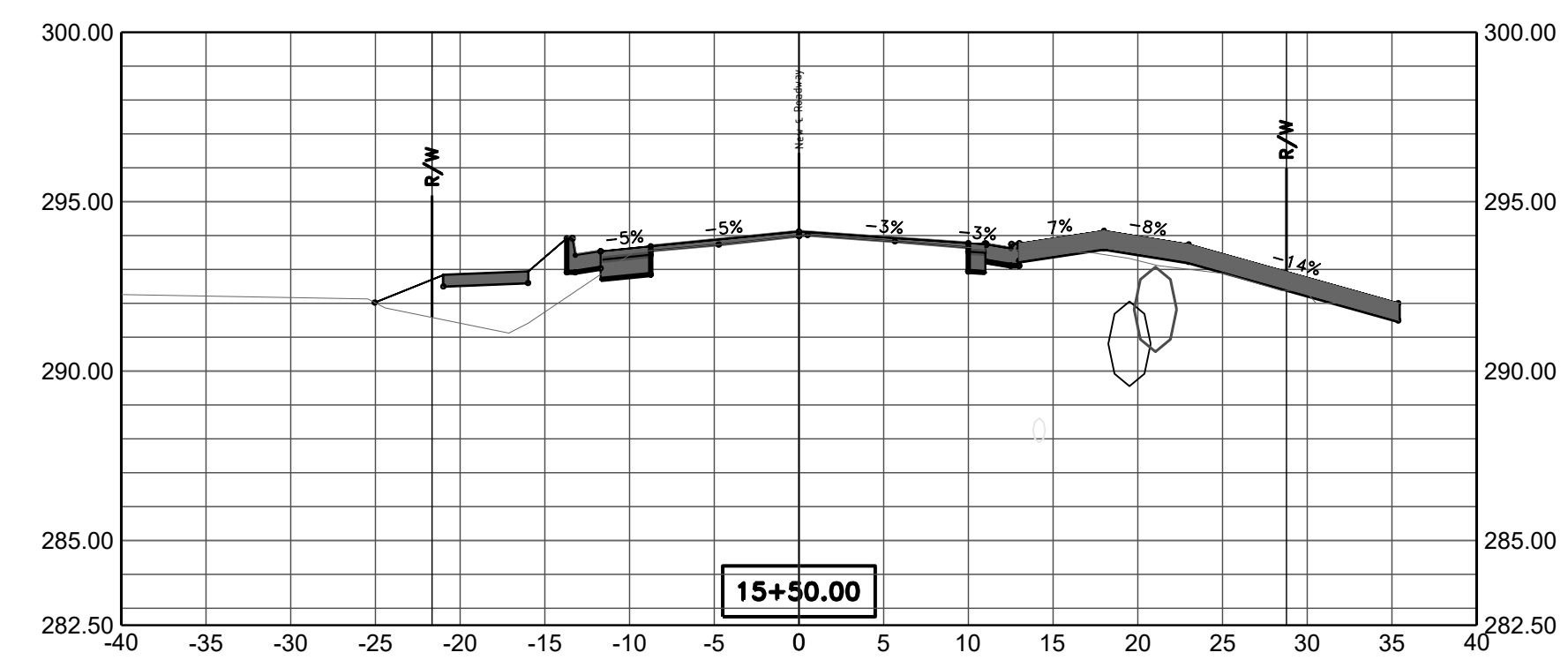
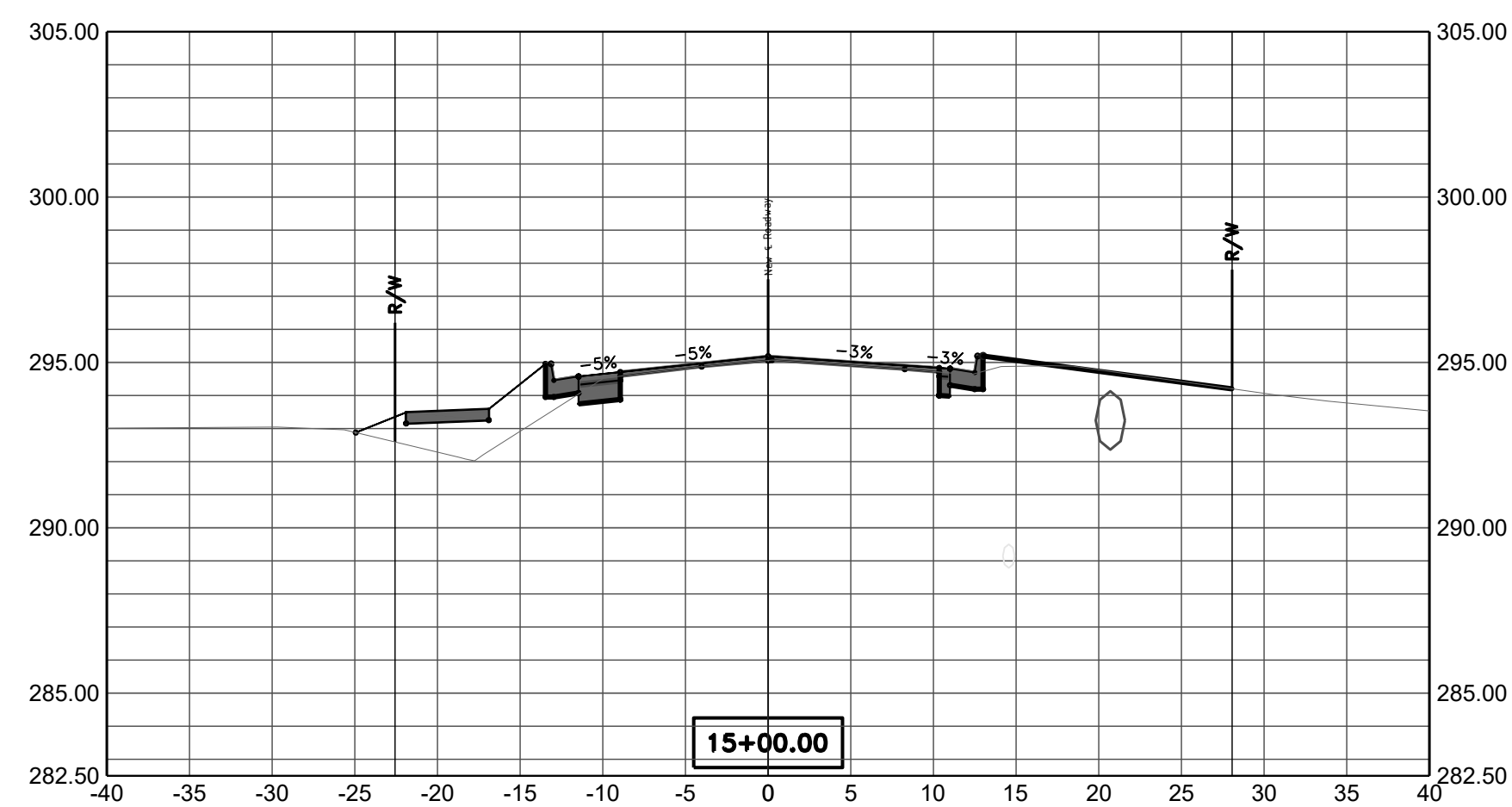
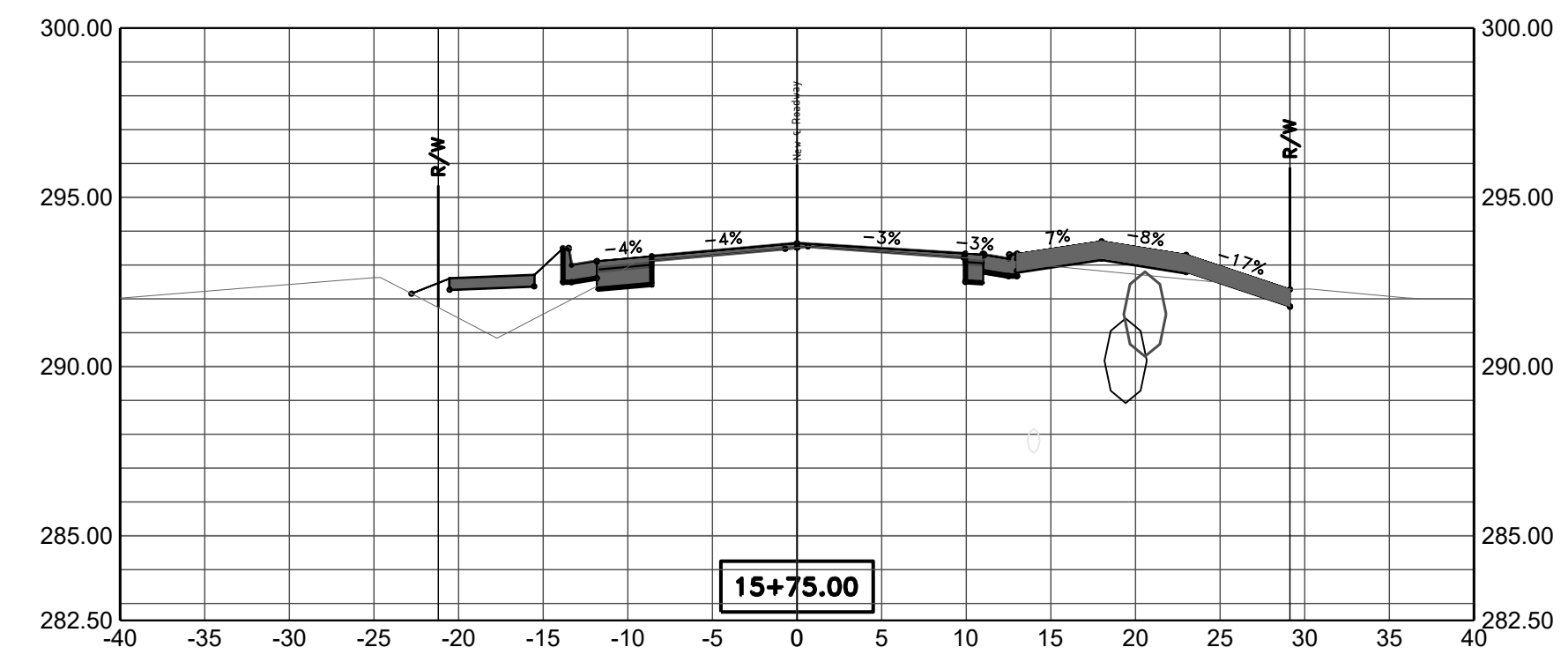
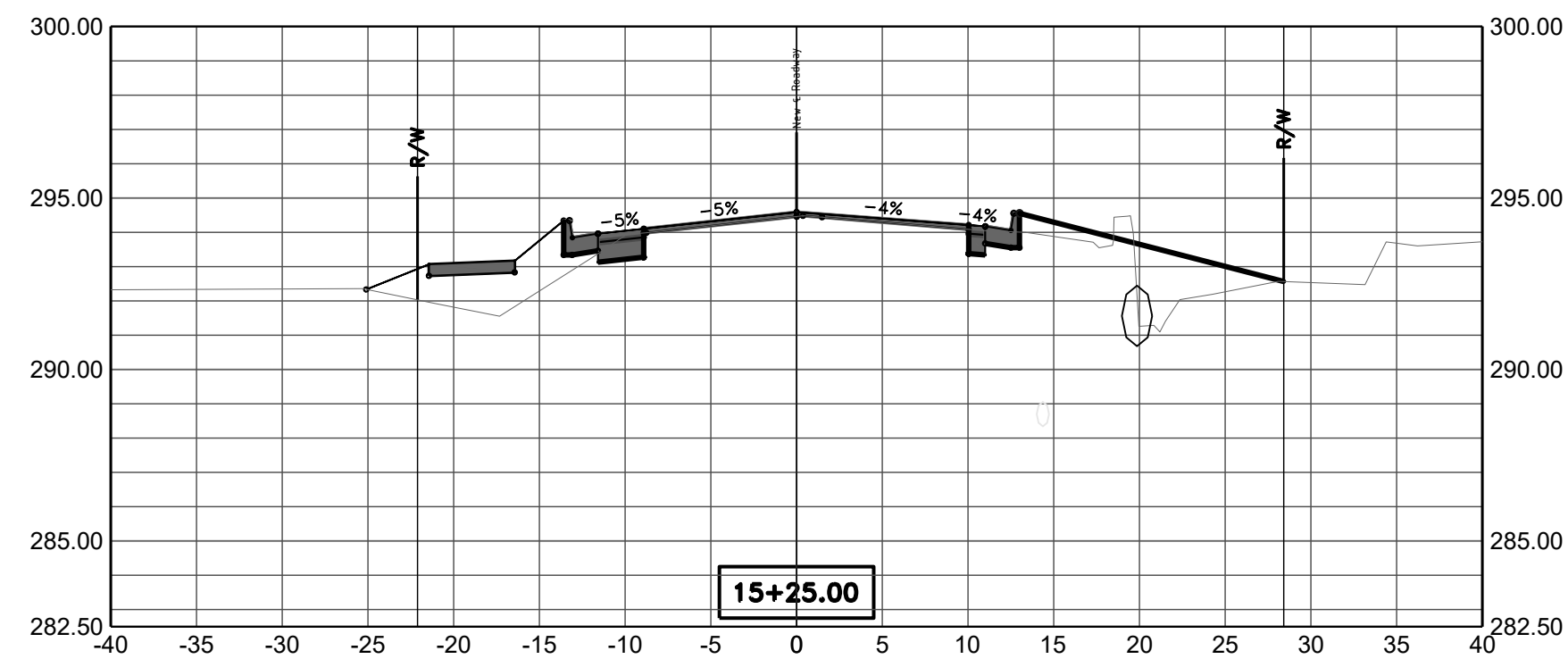
CITY OF LITTLE ROCK, ARKANSAS  
 Bella Rosa Drive Improvements

X-SECTIONS 5

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



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 DESIGNED  
 RH  
 CHECKED  
 RH  
 DATE  
 12-30-21  
 SCALE  
 1" = 10' H 1" = 5' V  
 PROJECT NO.  
 CLR # 5-17-ST-223  
 SHEET NO.  
**C19**





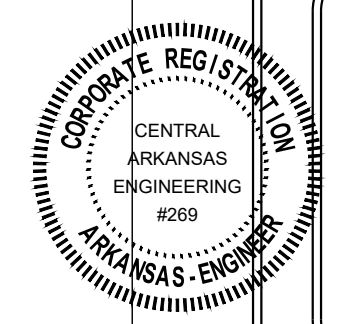
REVISIONS DATE

REVISIONS	DATE

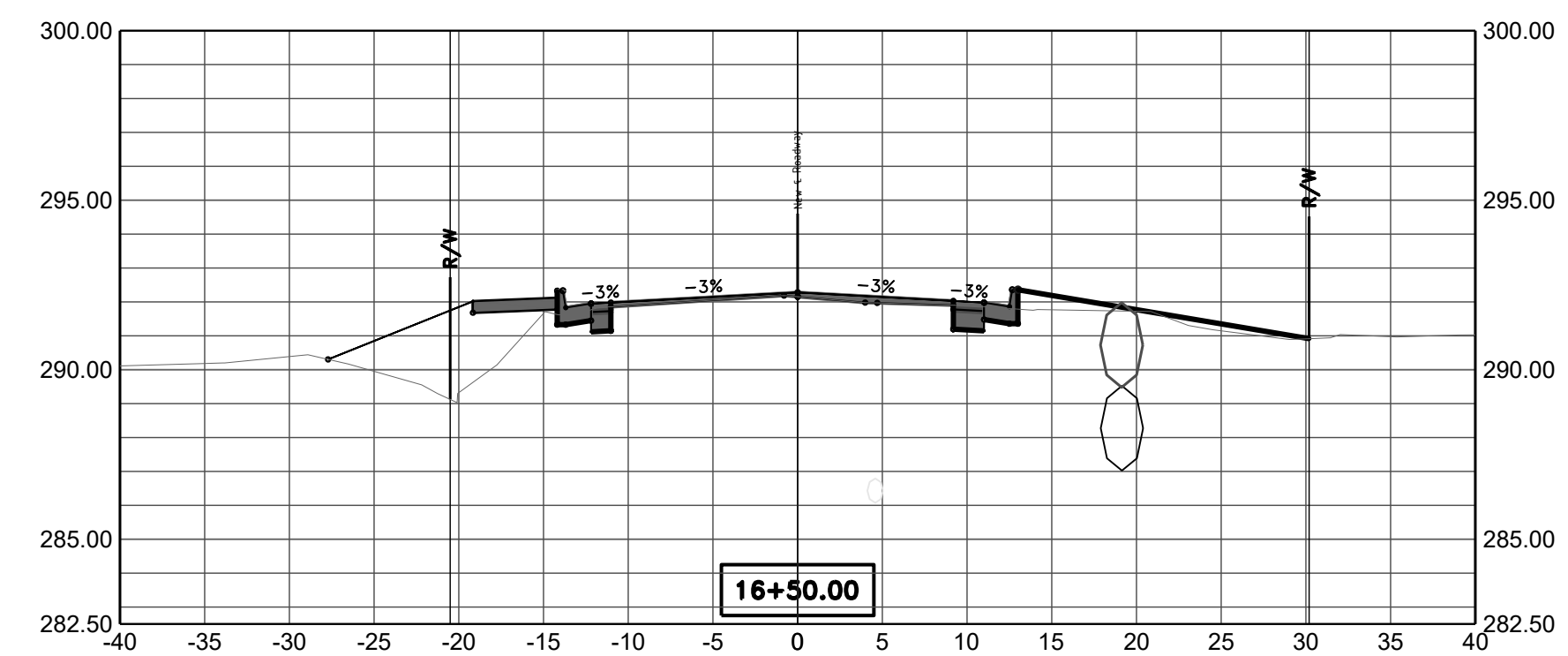
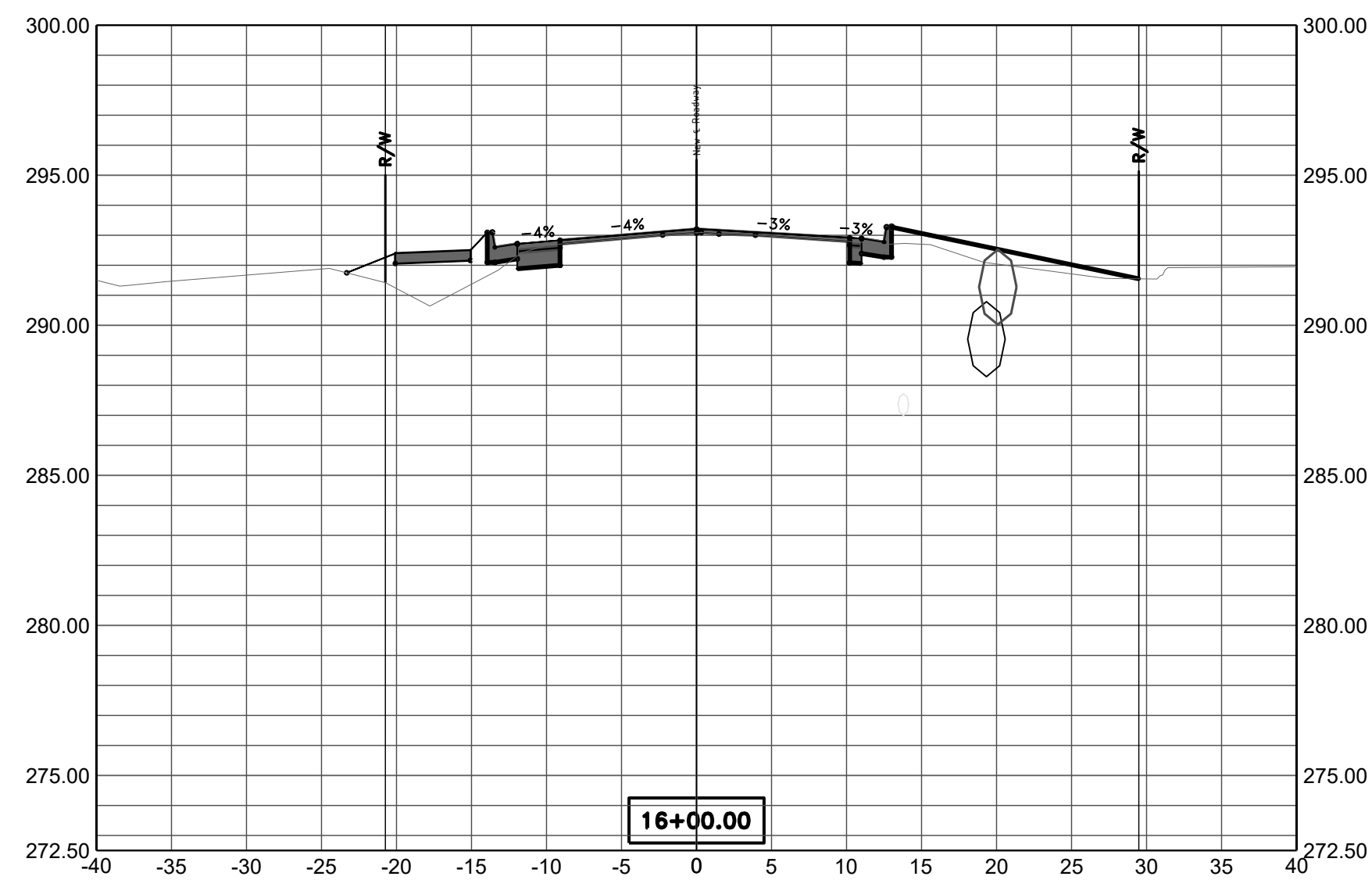
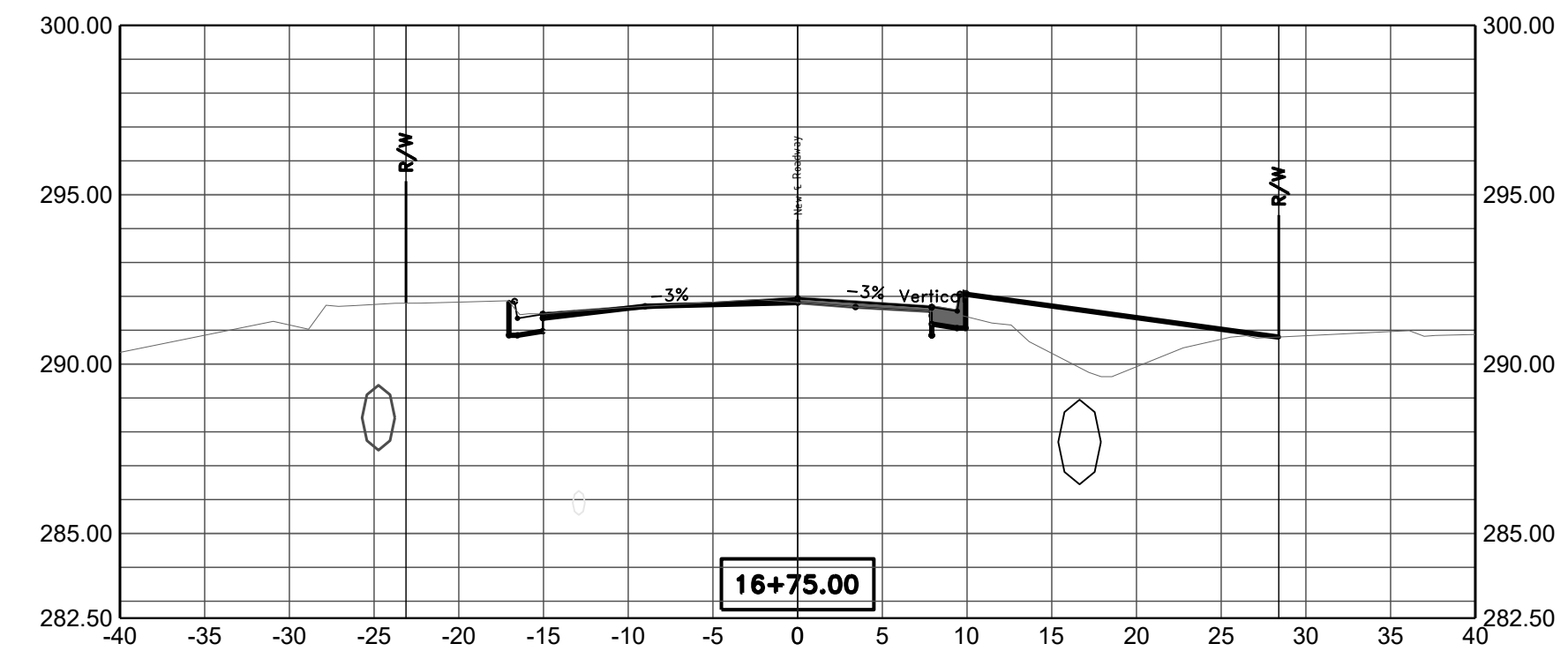
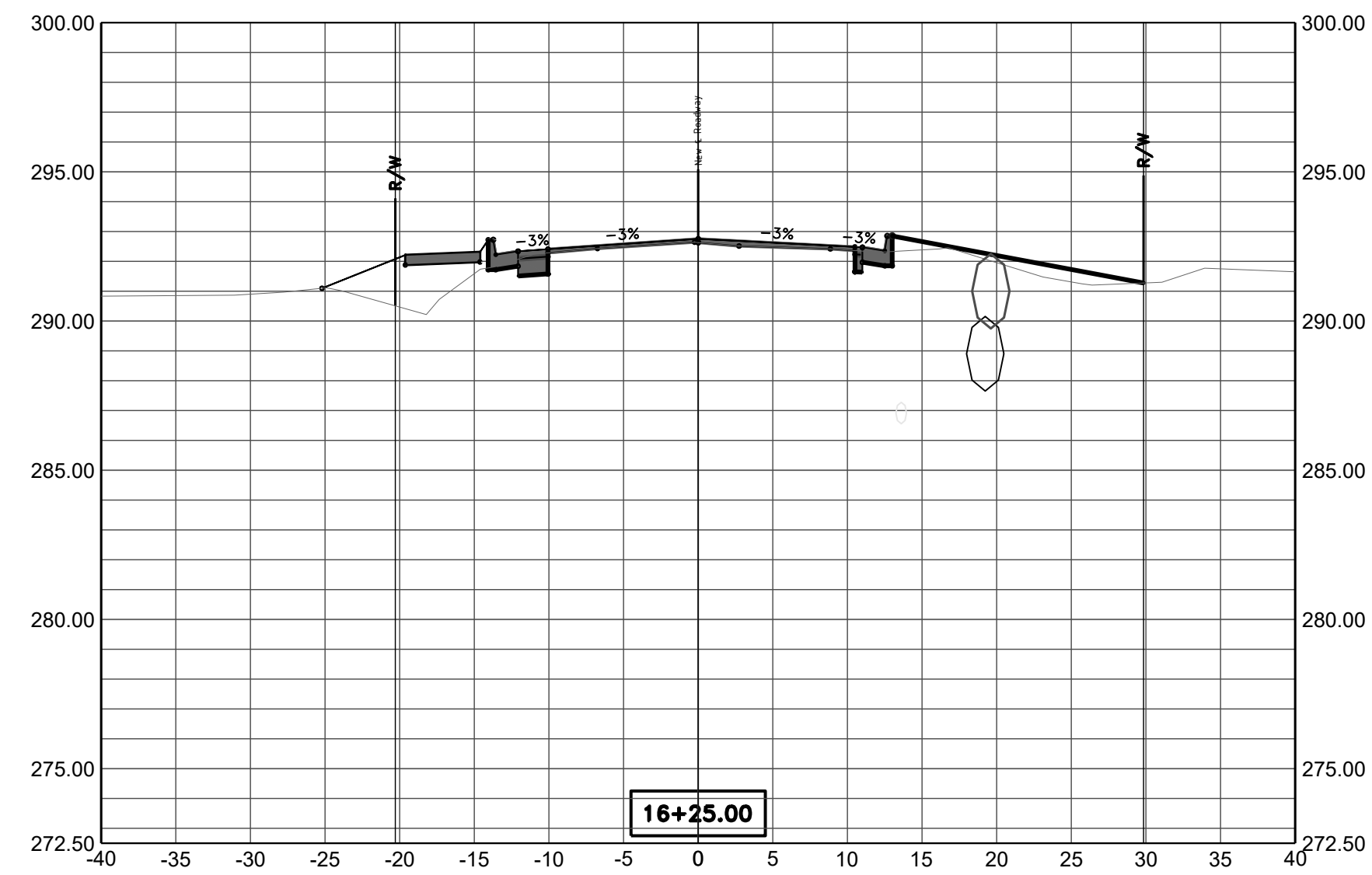
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CITY OF LITTLE ROCK, ARKANSAS  
 Bella Rosa Drive Improvements  
 X-SECTIONS 6

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
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 RH  
 CHECKED  
 RH  
 DATE  
 12-30-21  
 SCALE  
 1" = 10' H 1" = 5' V  
 PROJECT NO.  
 CLR # 5-17-ST-223  
 SHEET NO.  
 C20





REVISIONS DATE

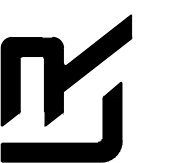
REVISIONS	DATE

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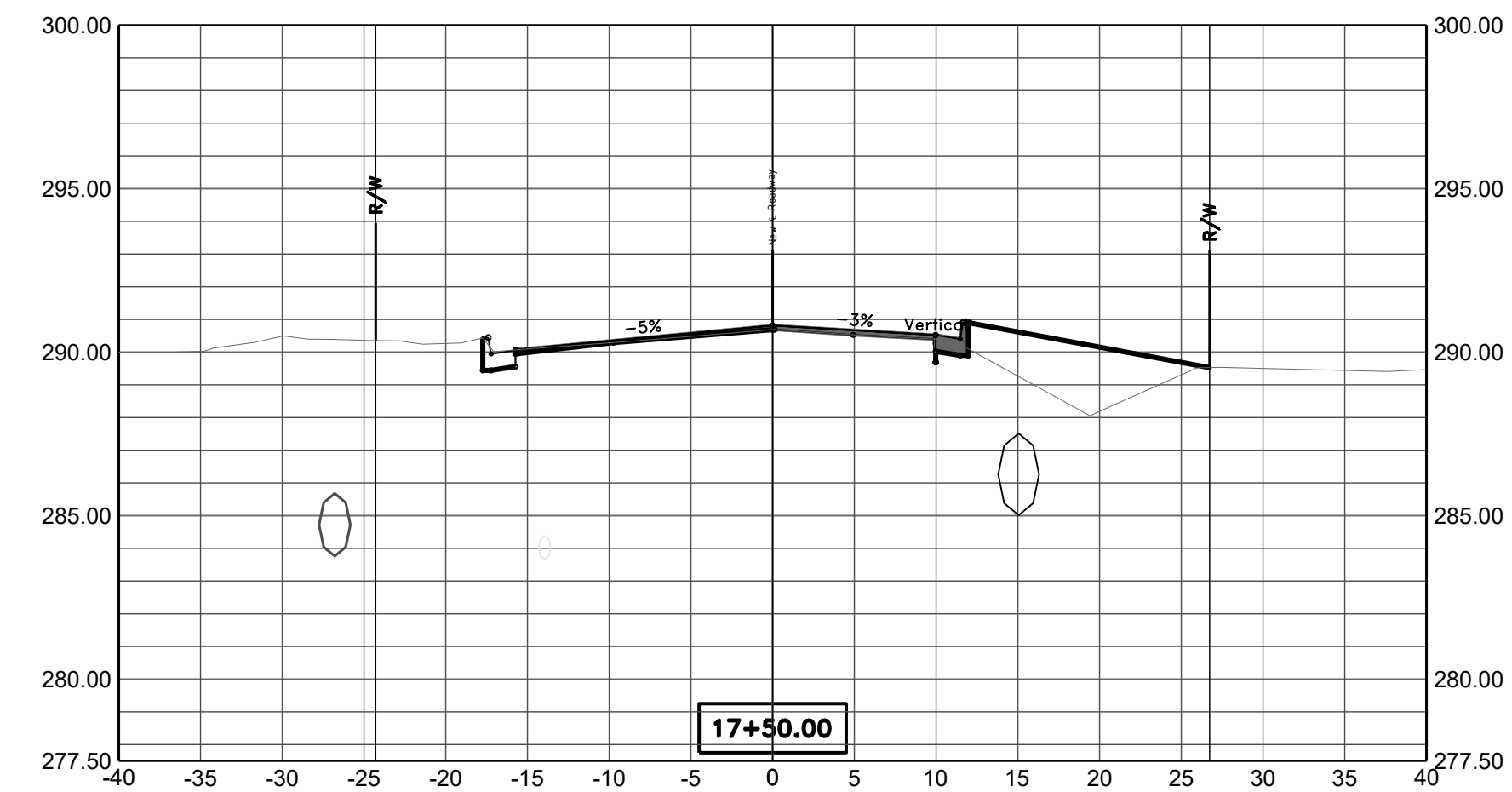
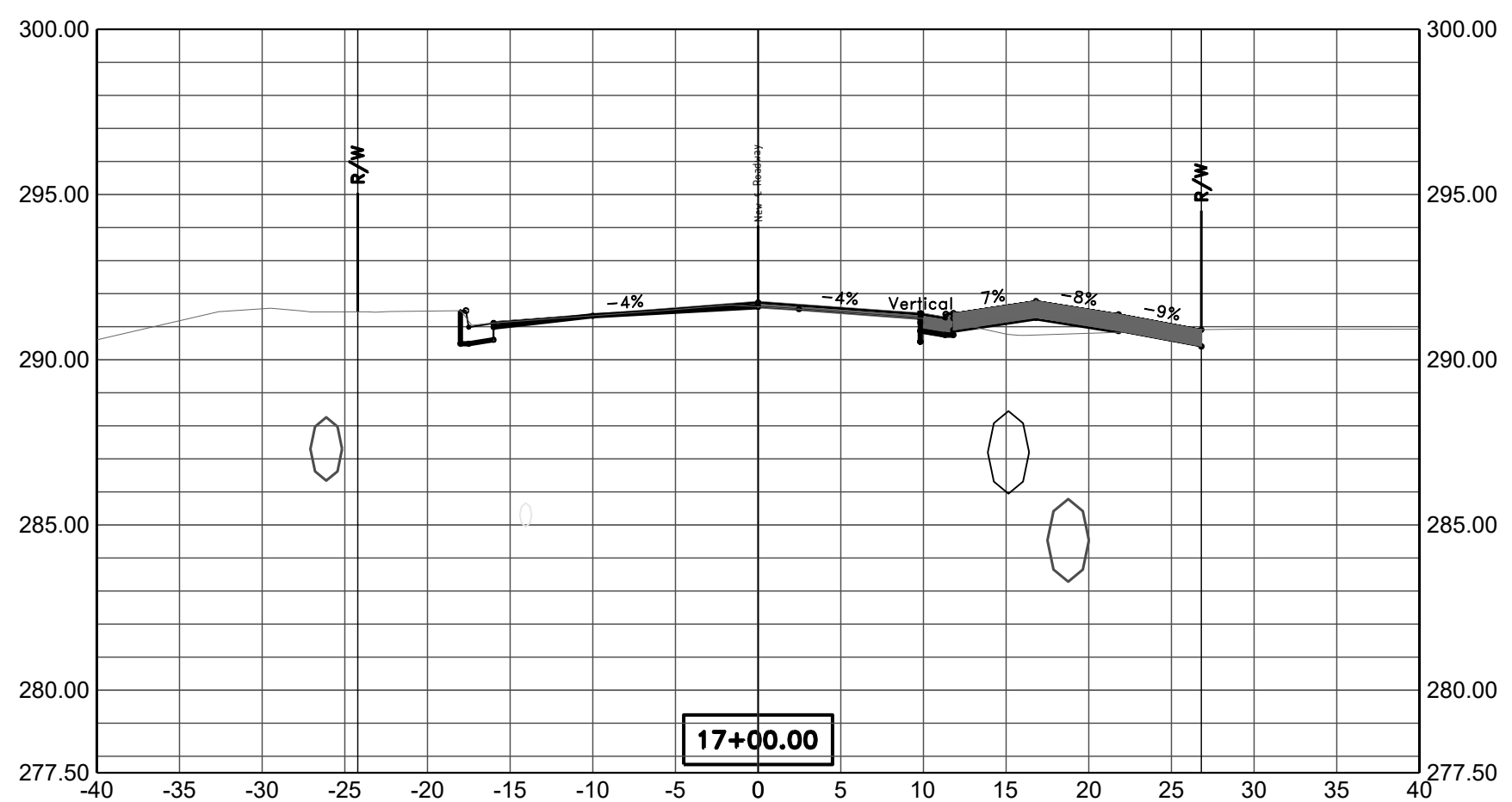
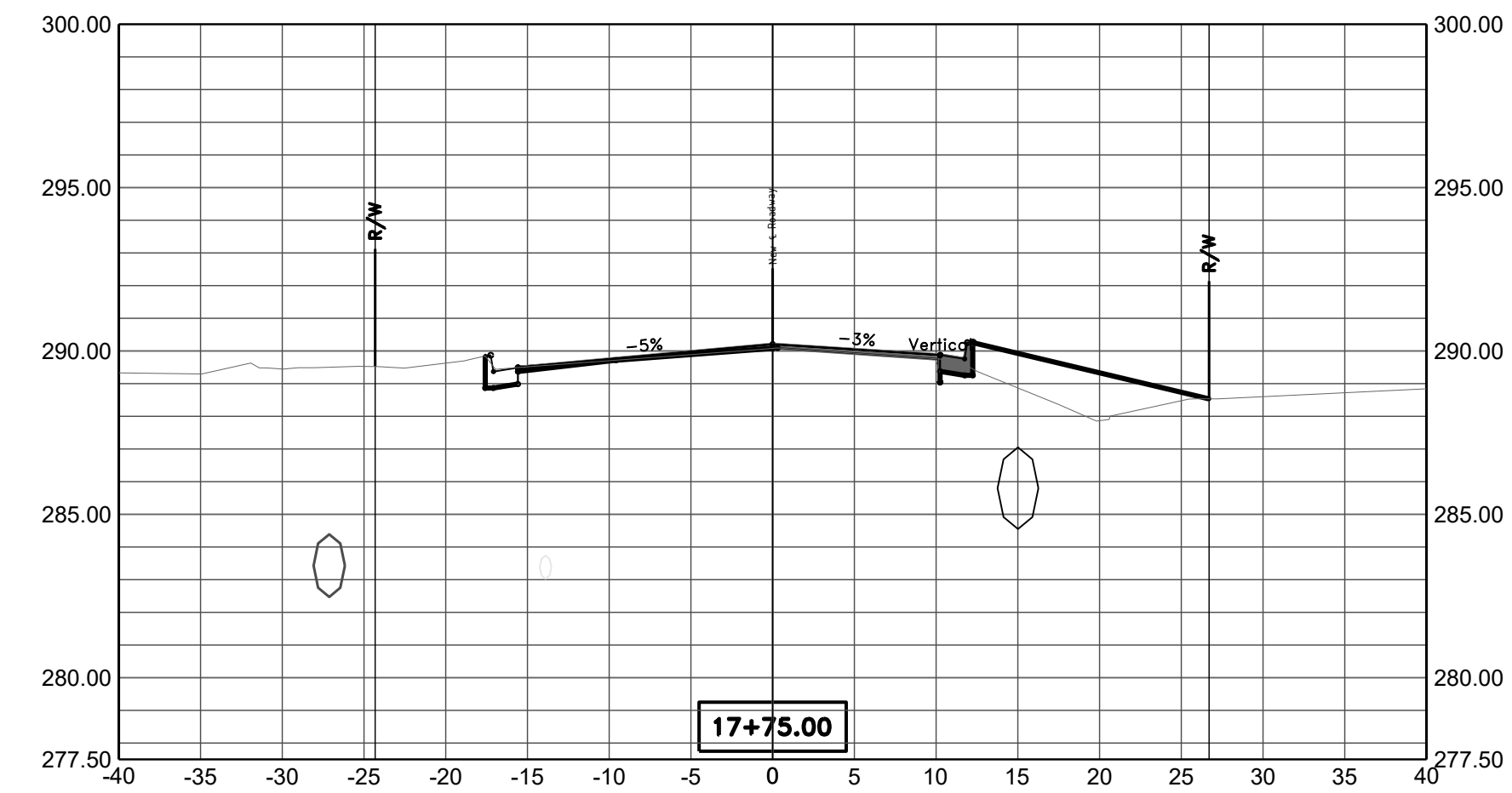
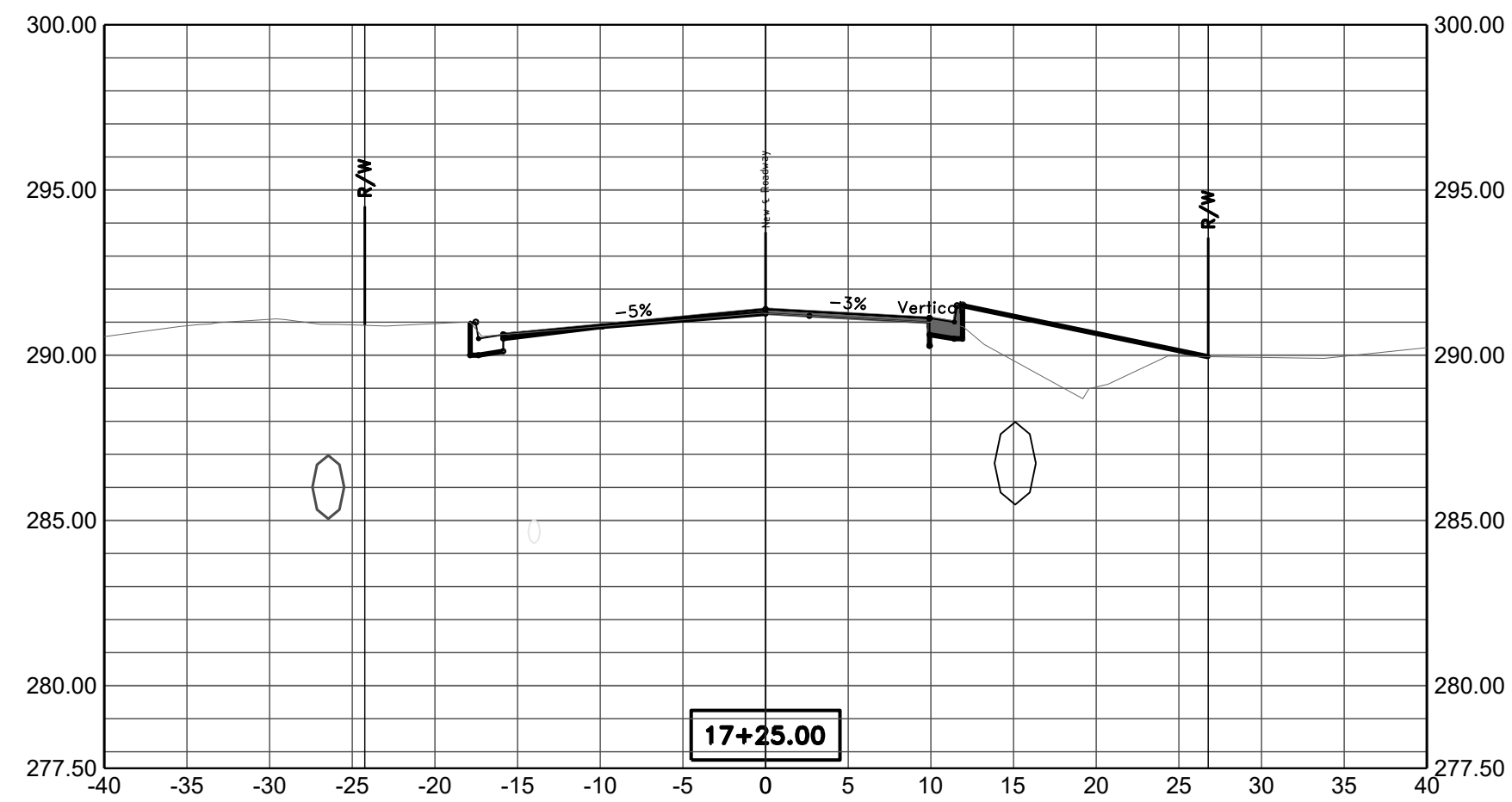
CITY OF LITTLE ROCK, ARKANSAS  
 Bella Rosa Drive Improvements

X-SECTIONS 7

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



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 RH  
 CHECKED  
 RH  
 DATE  
 12-30-21  
 SCALE  
 1" = 10' H 1" = 5' V  
 PROJECT NO.  
 CLR # 5-17-ST-223  
 SHEET NO.  
 C21





REVISIONS DATE

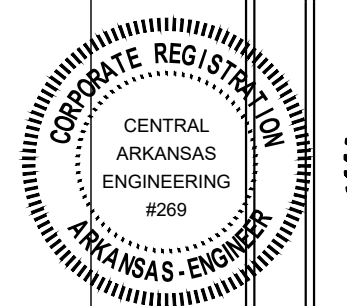
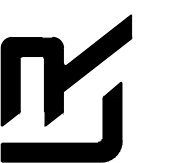
REVISIONS	DATE

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CITY OF LITTLE ROCK, ARKANSAS  
Bella Rosa Drive Improvements

X-SECTIONS 8

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



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**DESIGNED**  
RH

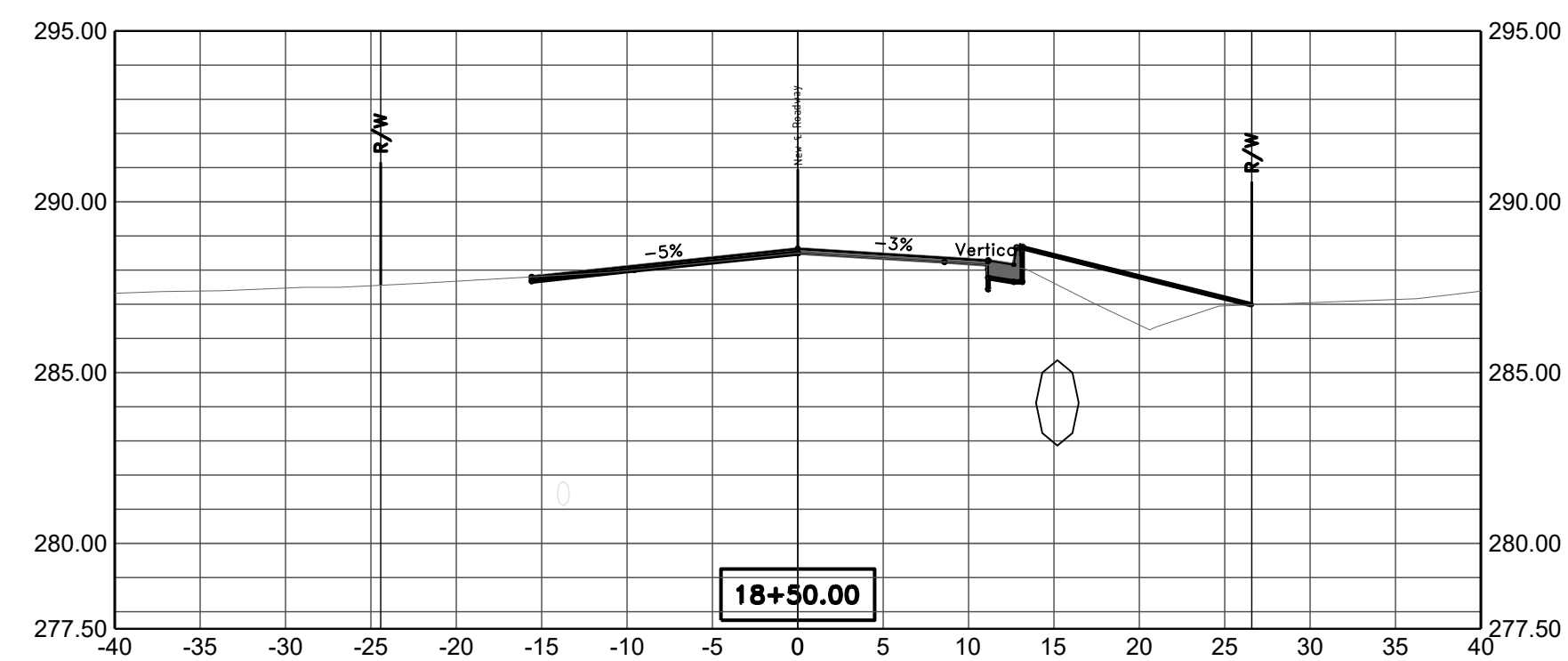
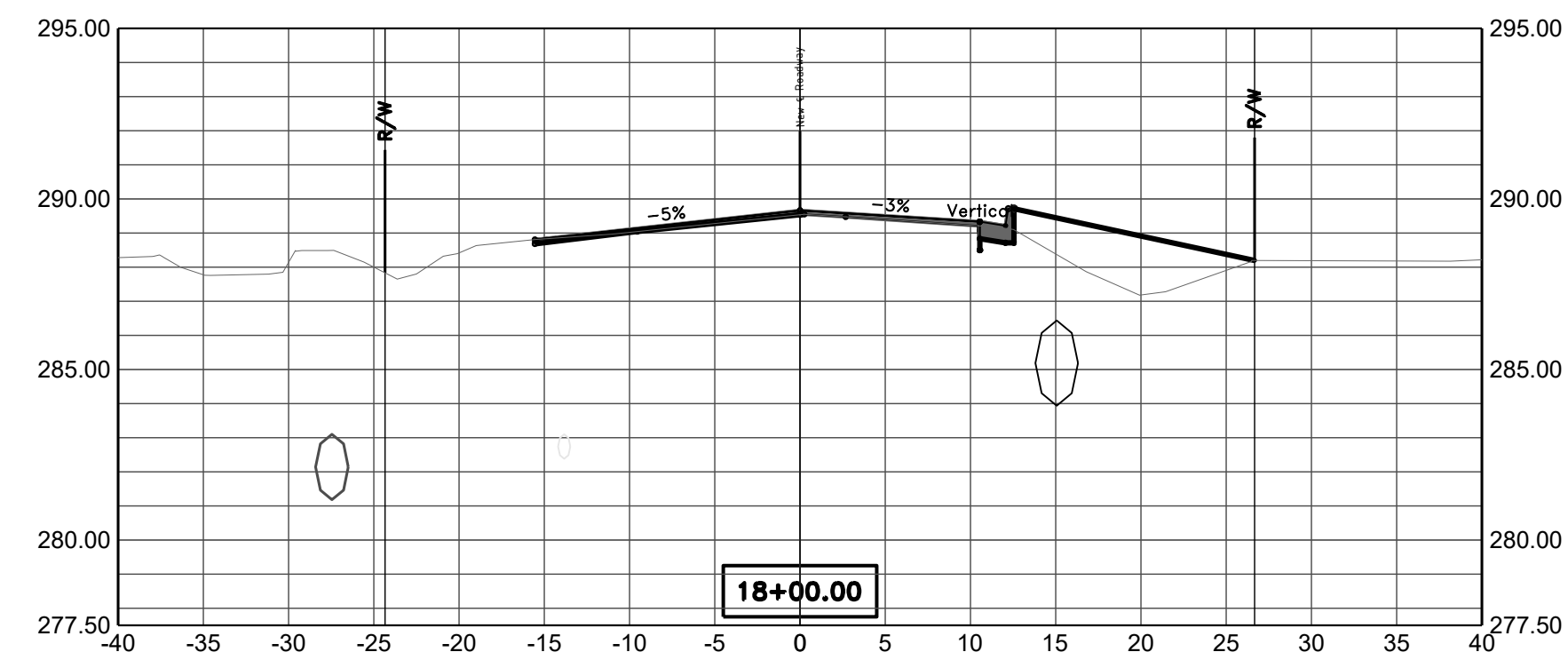
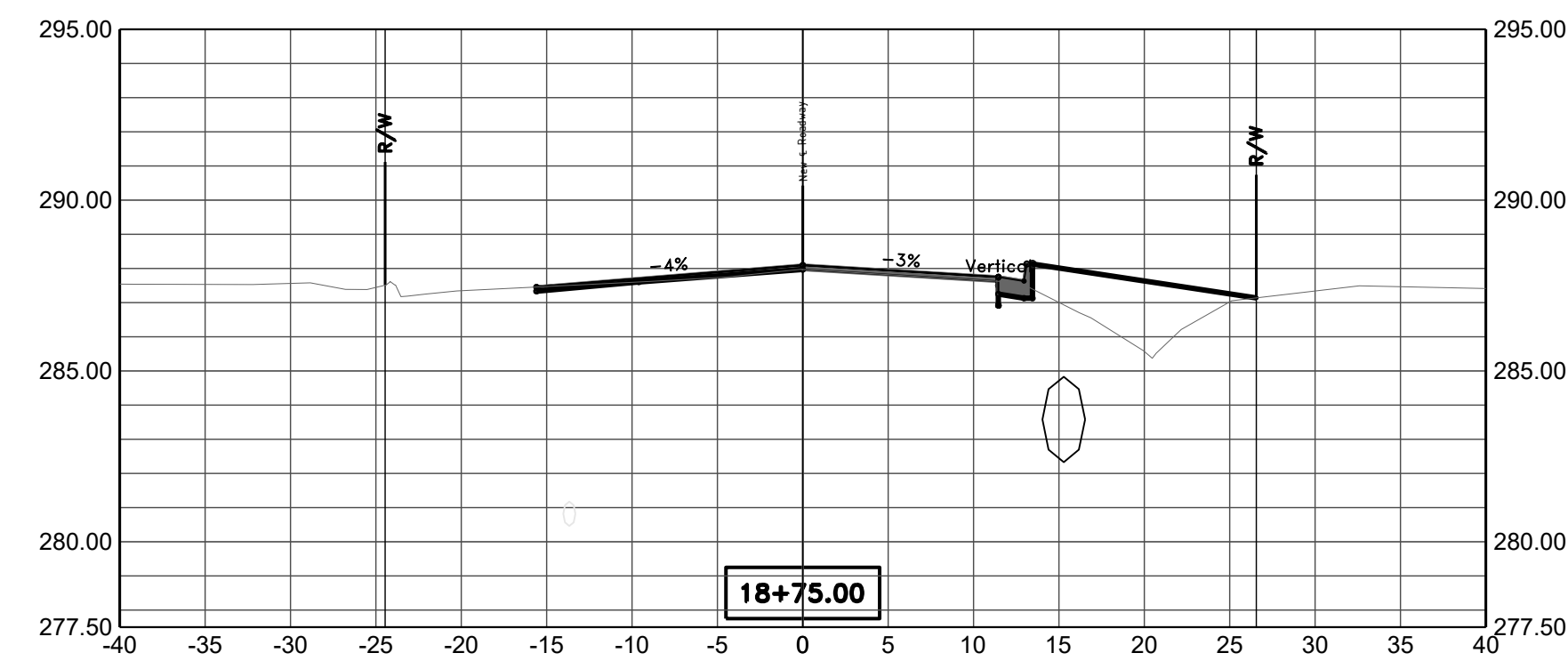
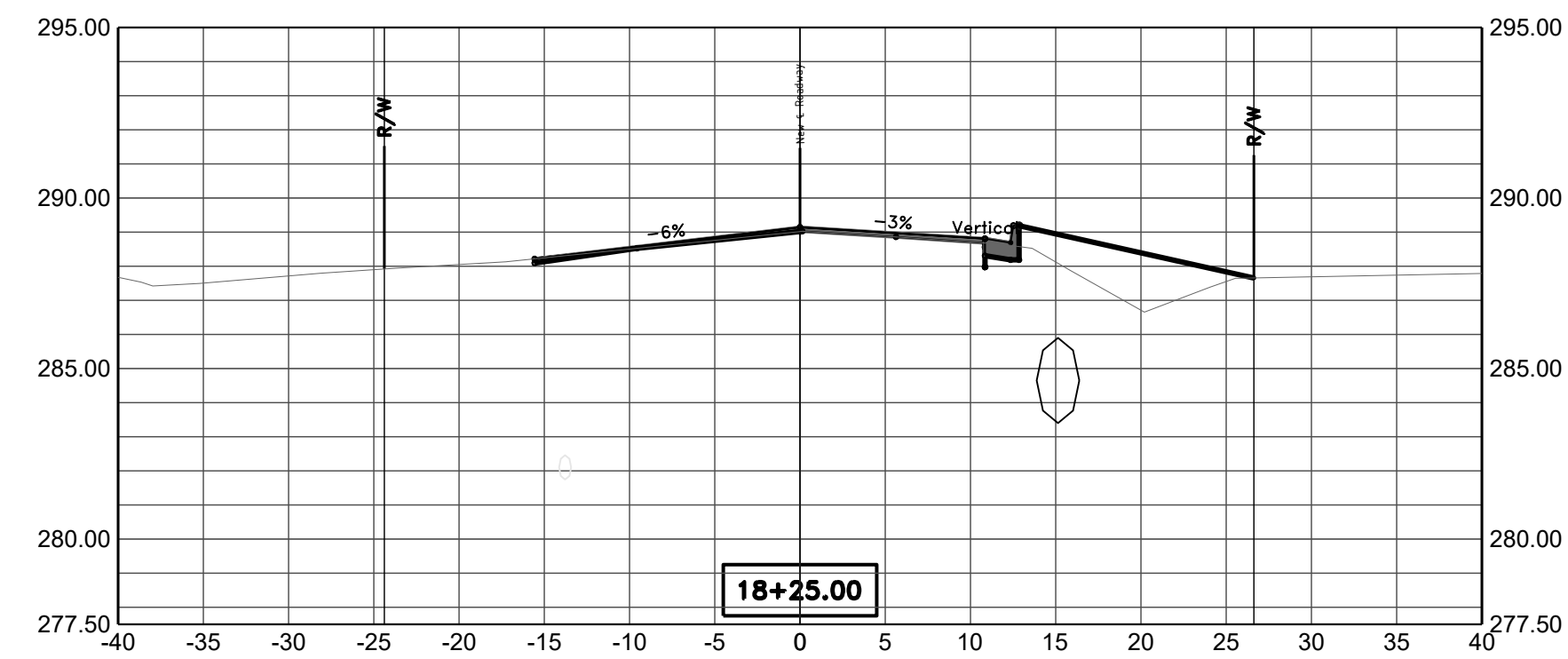
**CHECKED**  
RH

**DATE**  
12-30-21

**SCALE**  
1" = 10' H 1" = 5' V

**PROJECT NO.**  
CLR # 5-17-ST-223

**SHEET NO.**  
C22





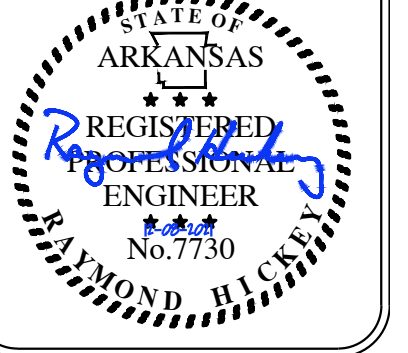
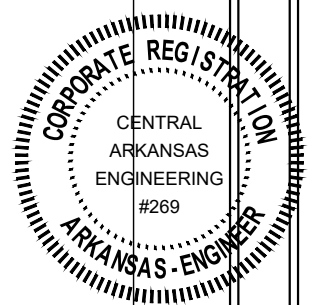
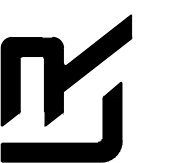
REVISIONS DATE


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CITY OF LITTLE ROCK, ARKANSAS  
Bella Rosa Drive Improvements

X-SECTIONS 9

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



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ZR

**DESIGNED**  
RH

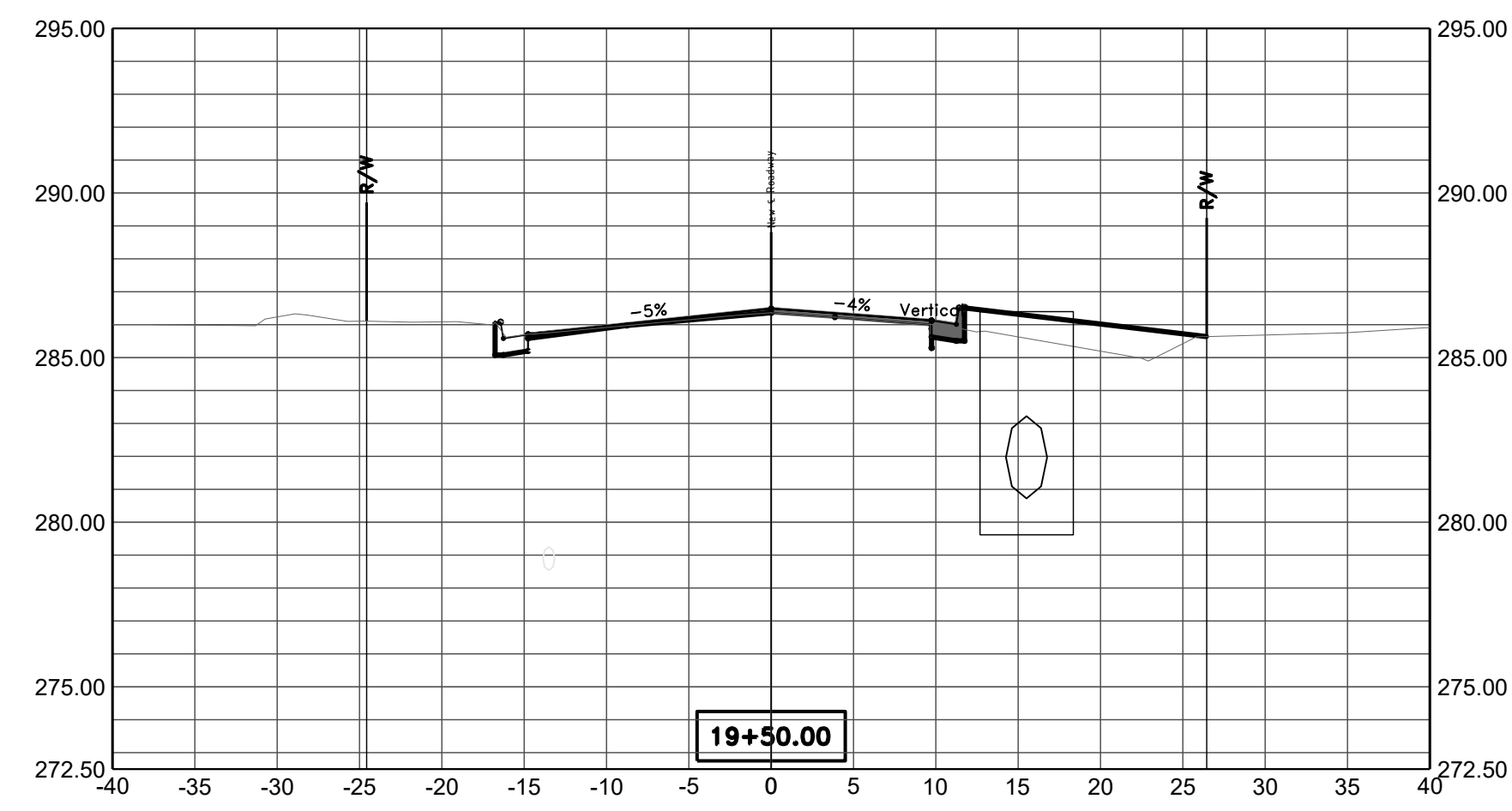
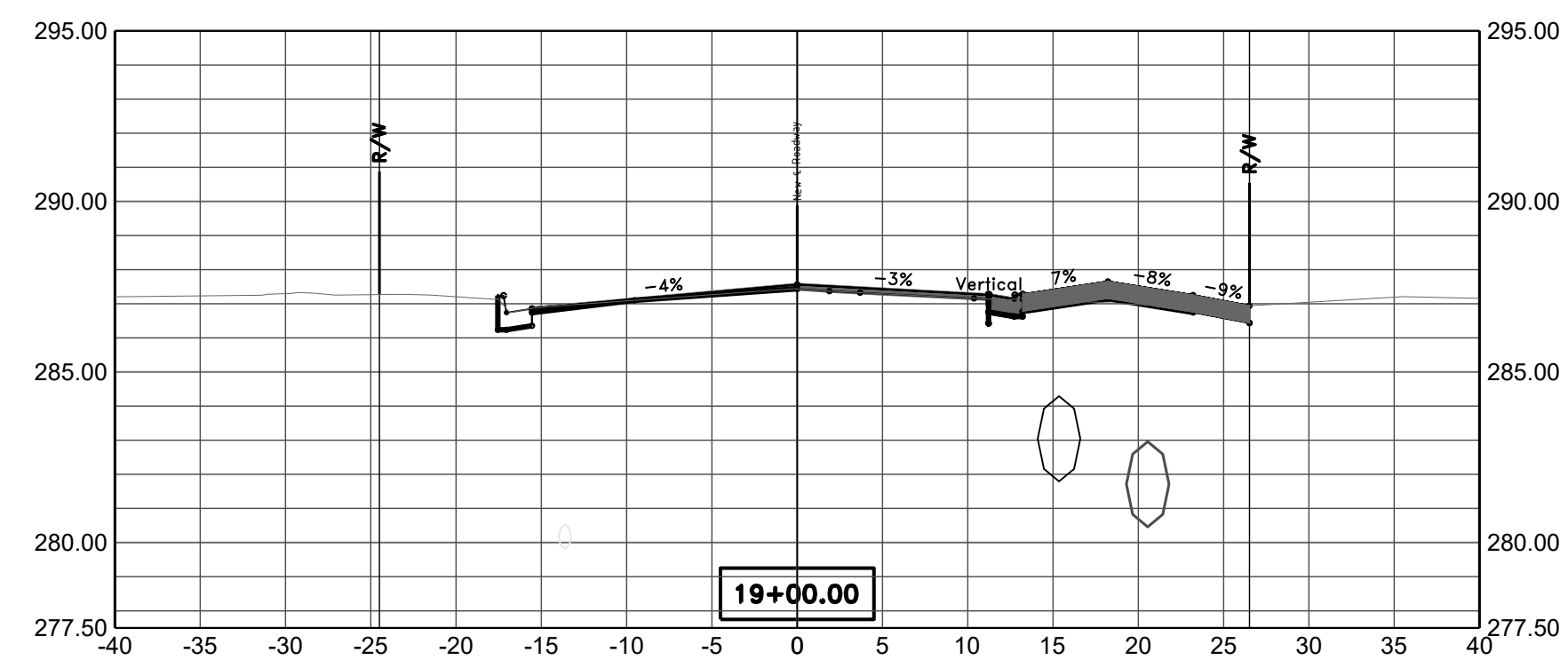
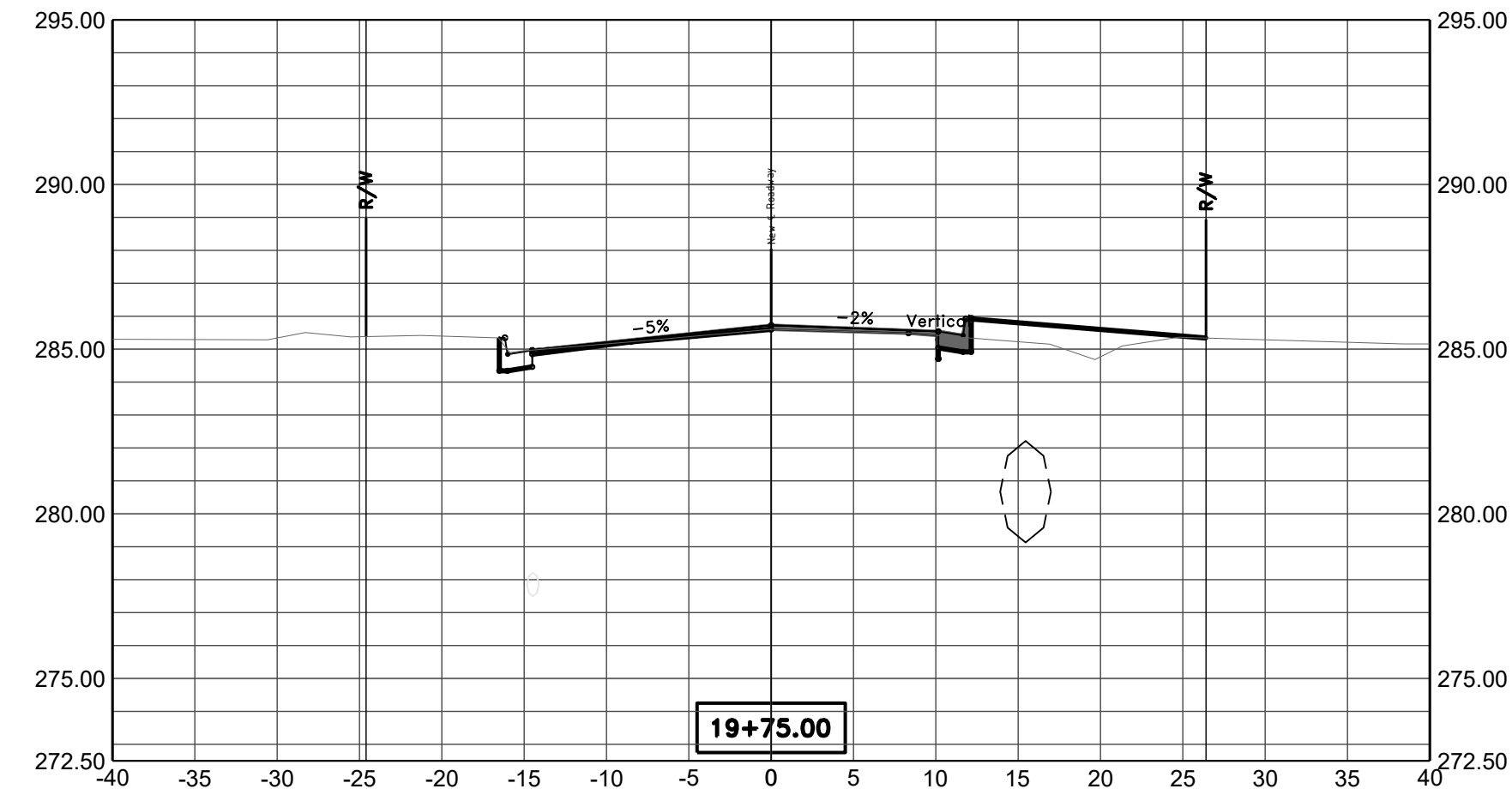
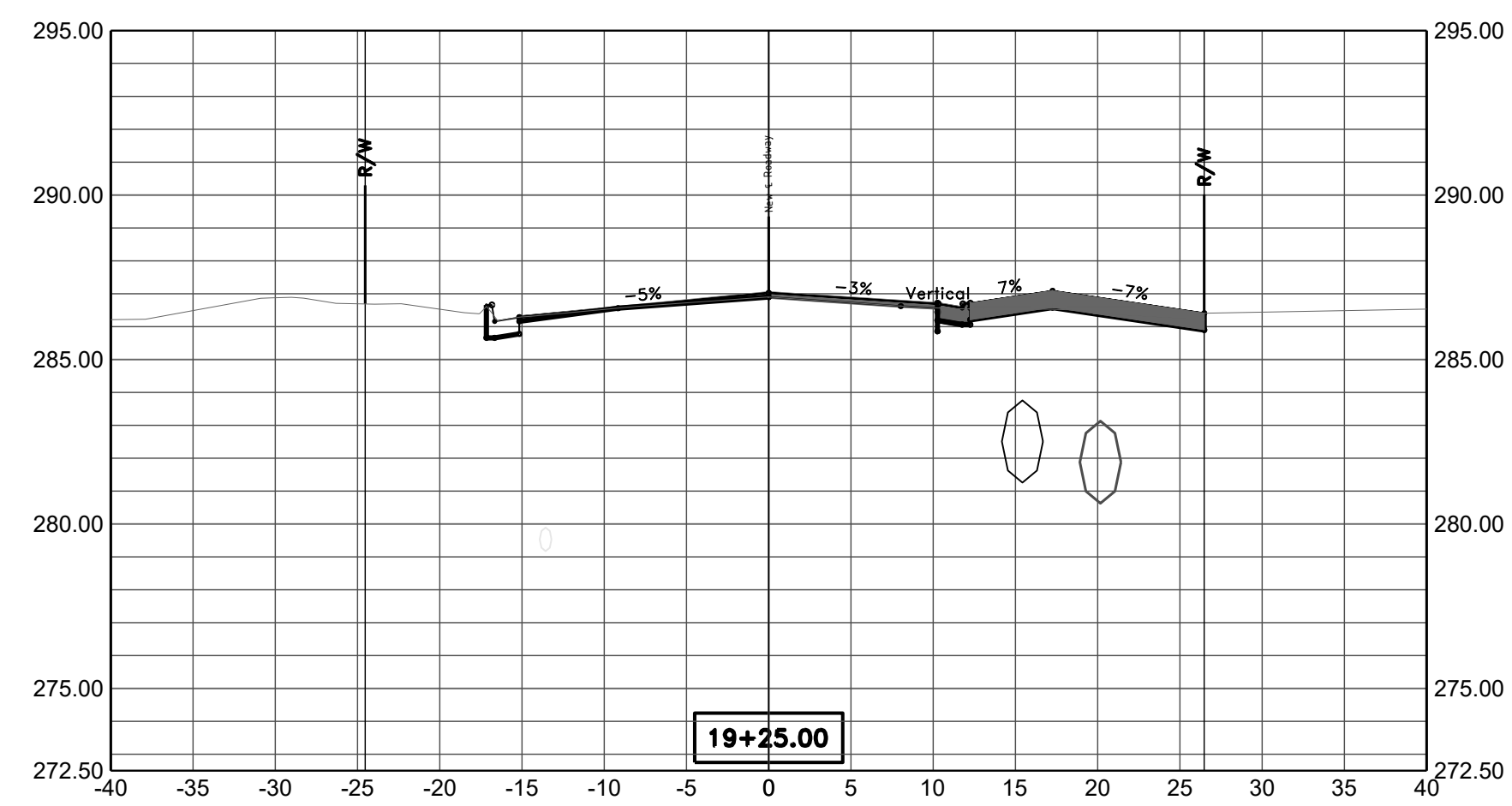
**CHECKED**  
RH

**DATE**  
12-30-21

**SCALE**  
1" = 10' H 1" = 5' V

**PROJECT NO.**  
CLR # 5-17-ST-223

**SHEET NO.**  
C23





REVISIONS DATE

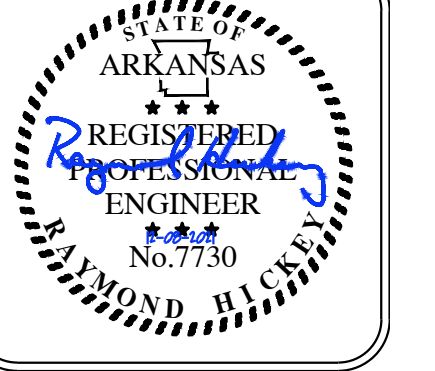
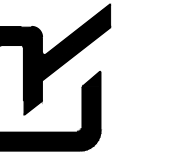
REVISIONS	DATE

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CITY OF LITTLE ROCK, ARKANSAS  
Bella Rosa Drive Improvements

X-SECTIONS 10

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



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ZR

**DESIGNED**  
RH

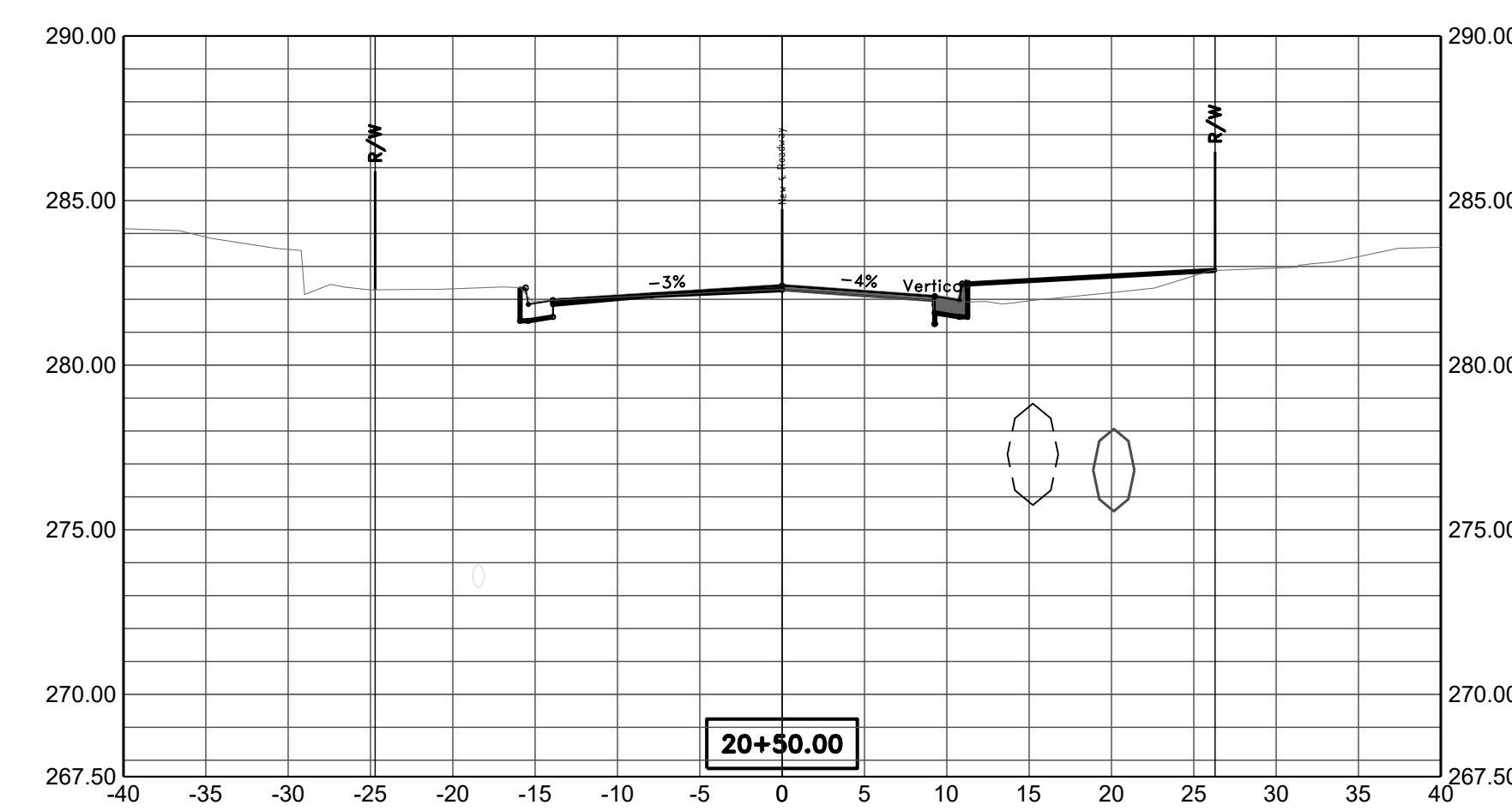
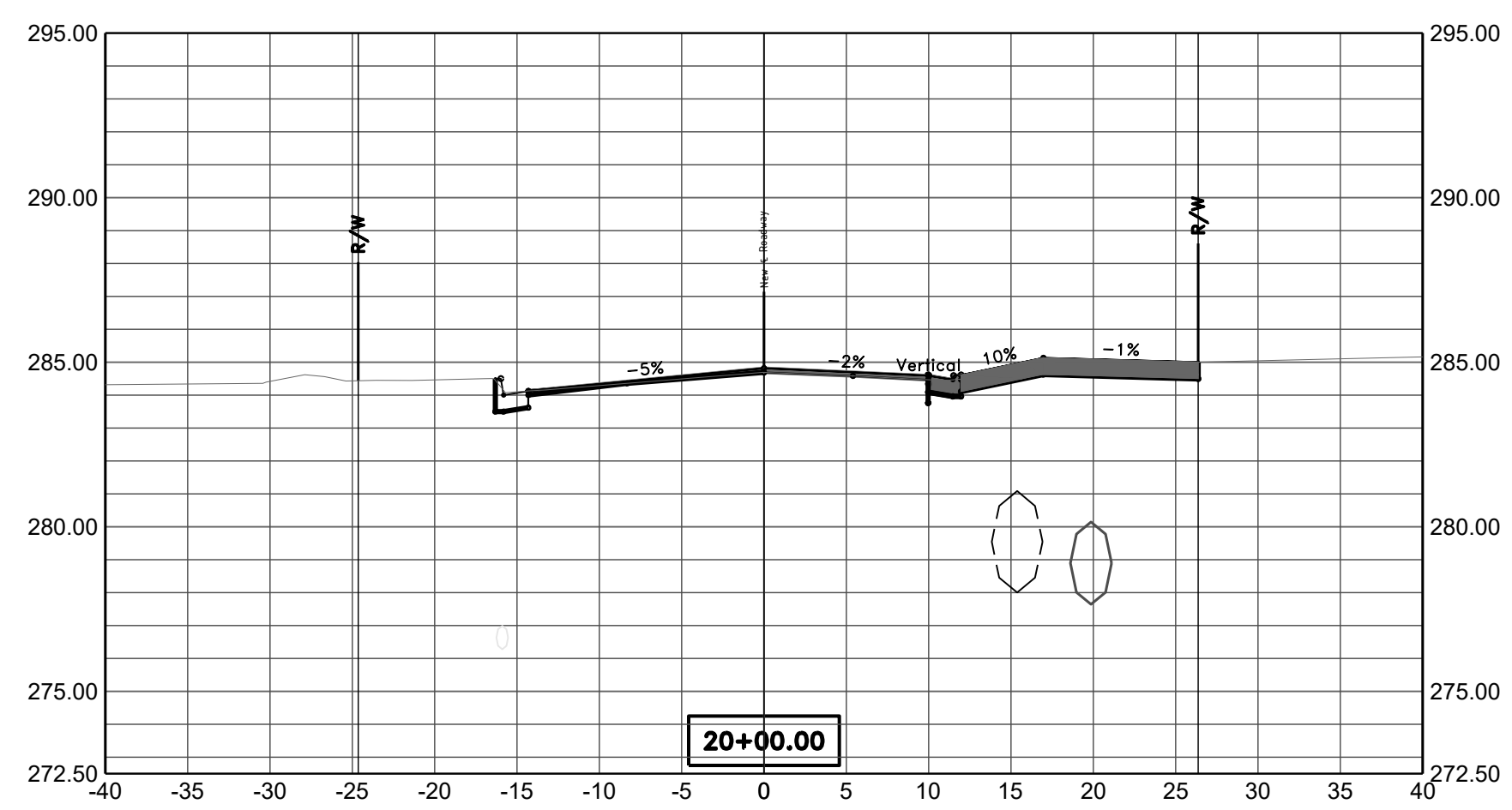
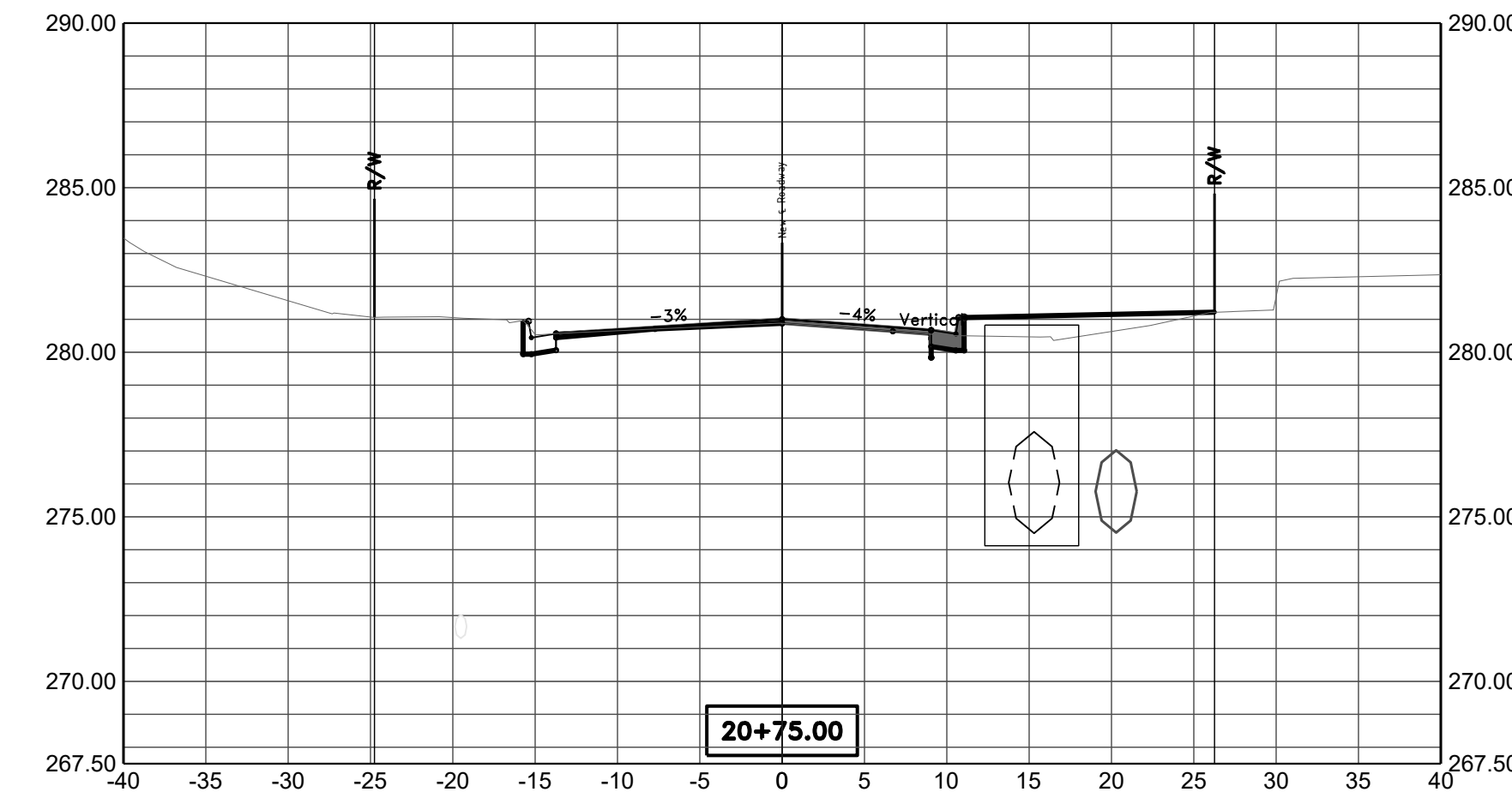
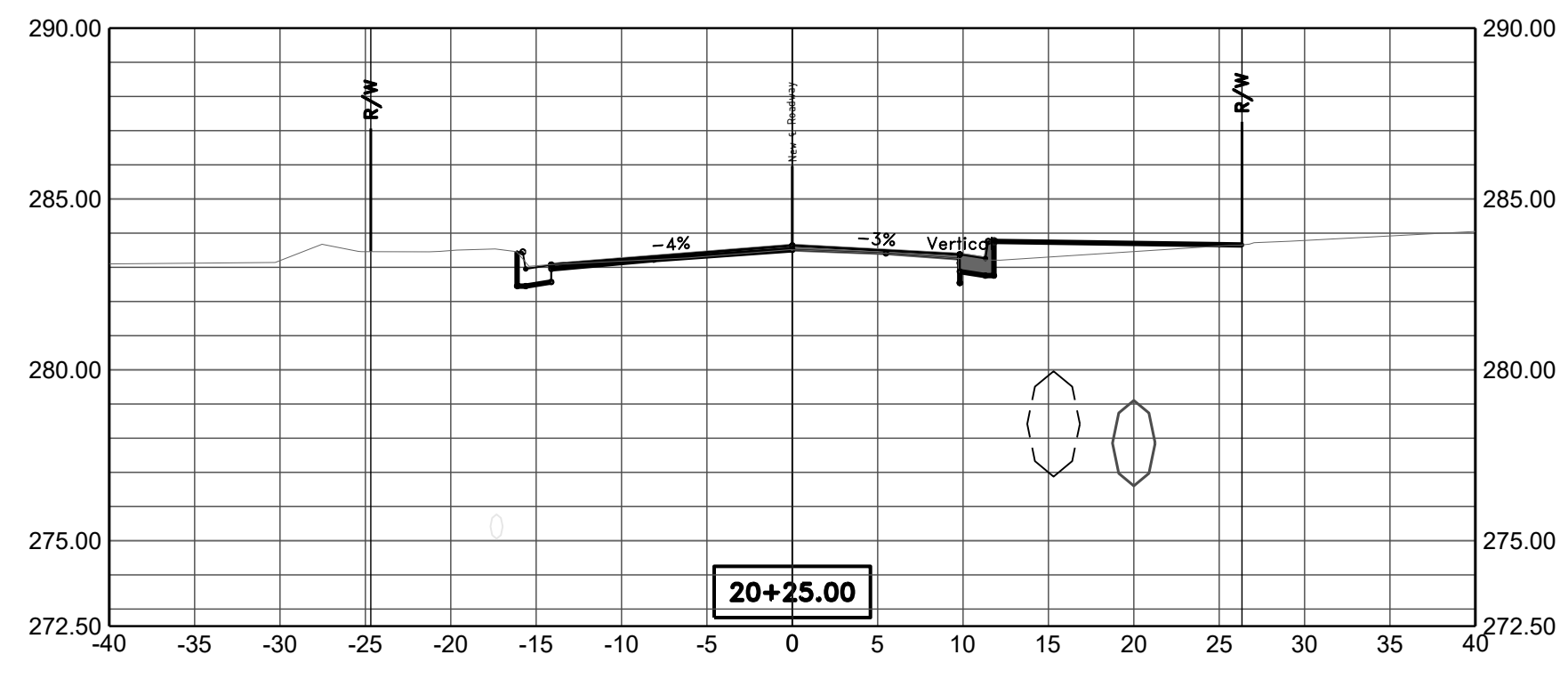
**CHECKED**  
RH

**DATE**  
12-30-21

**SCALE**  
1" = 10' H 1" = 5' V

**PROJECT NO.**  
CLR # 5-17-ST-223

**SHEET NO.**  
C24



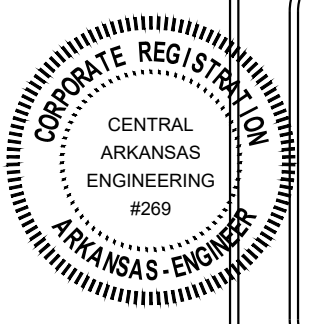
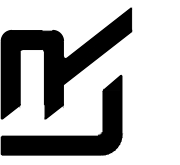


REVISIONS	DATE

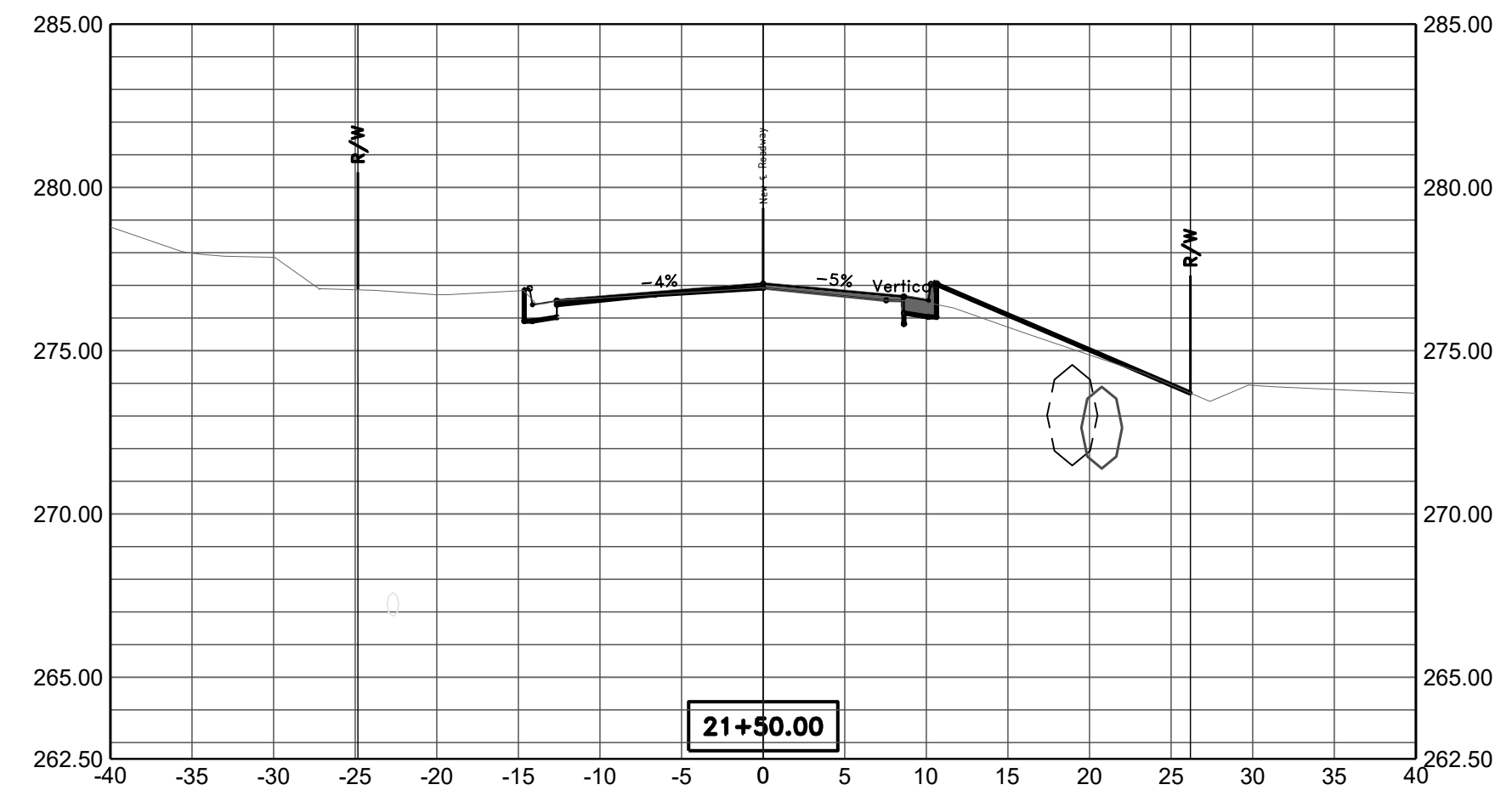
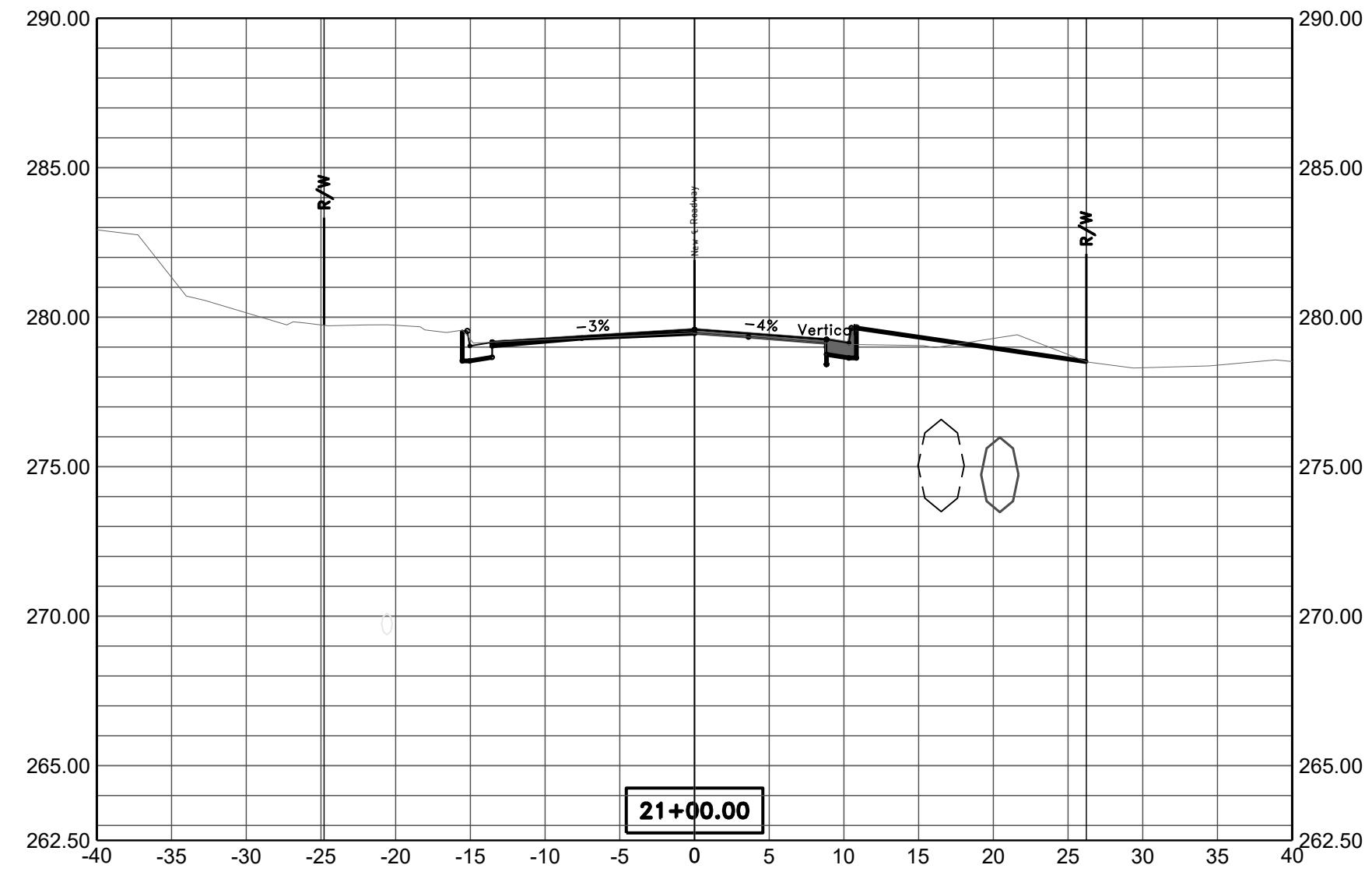
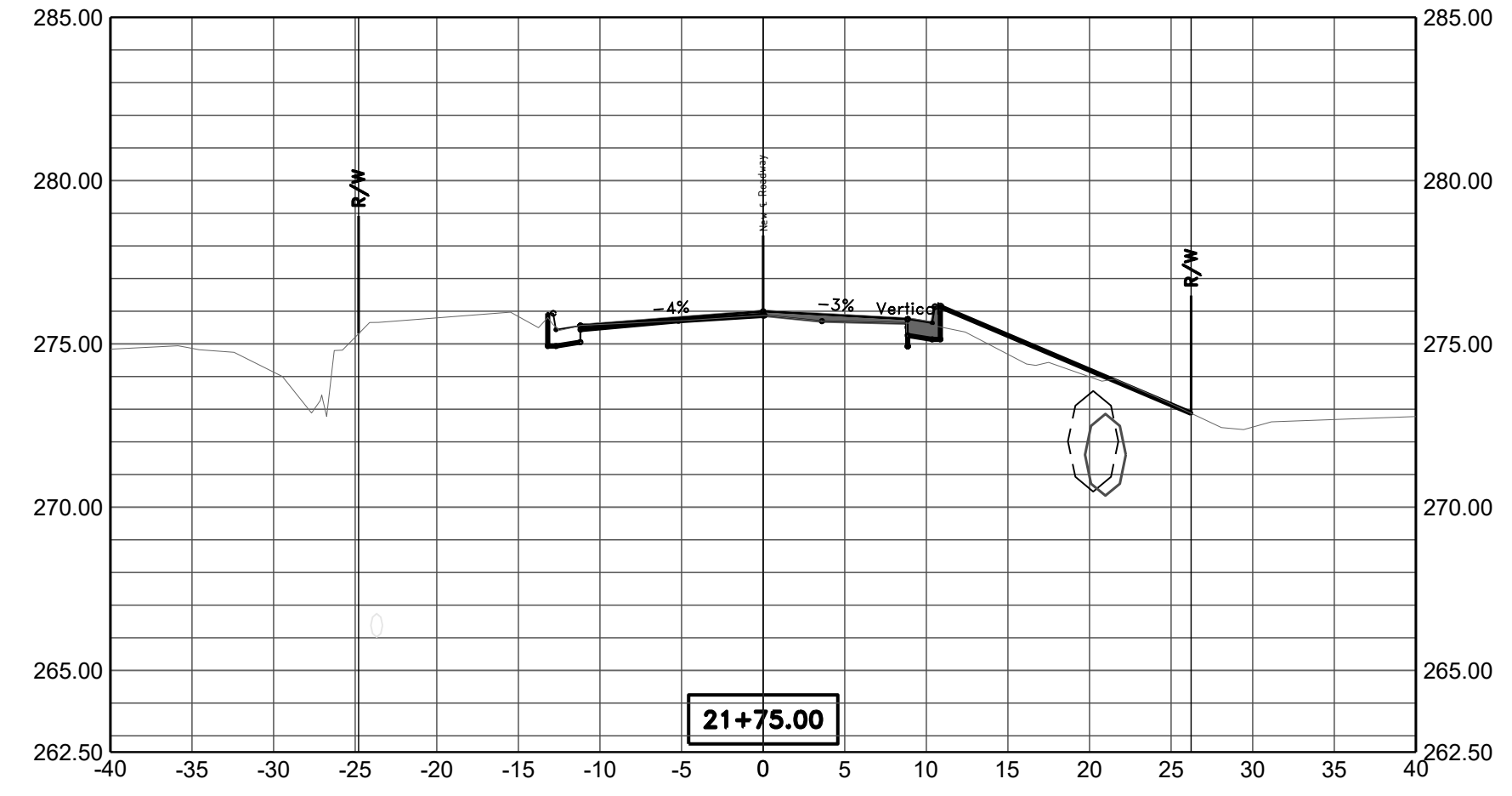
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CITY OF LITTLE ROCK, ARKANSAS  
 Bella Rosa Drive Improvements  
 X-SECTIONS 11

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



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 RH  
 DATE  
 12-30-21  
 SCALE  
 1" = 10' H 1" = 5' V  
 PROJECT NO.  
 CLR # 5-17-ST-223  
 SHEET NO.  
 C25



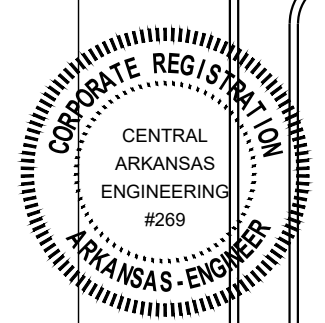
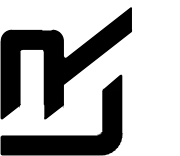


REVISIONS	DATE

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CITY OF LITTLE ROCK, ARKANSAS  
 Bella Rosa Drive Improvements  
 X-SECTIONS 12

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



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 CHECKED  
 RH  
 DATE  
 12-30-21  
 SCALE  
 1" = 10' H 1" = 5' V  
 PROJECT NO.  
 CLR # 5-17-ST-223  
 SHEET NO.  
 C26

