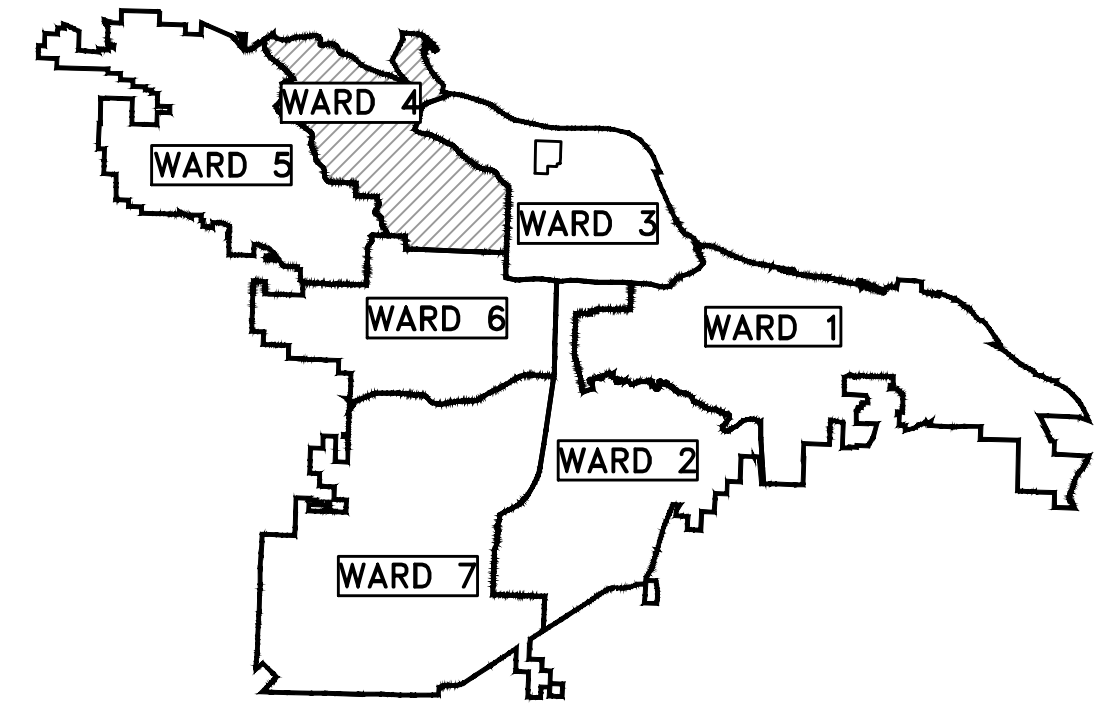


CLR PROJECT # 04-17-ST-172

HARRIS RD IMPROVEMENTS

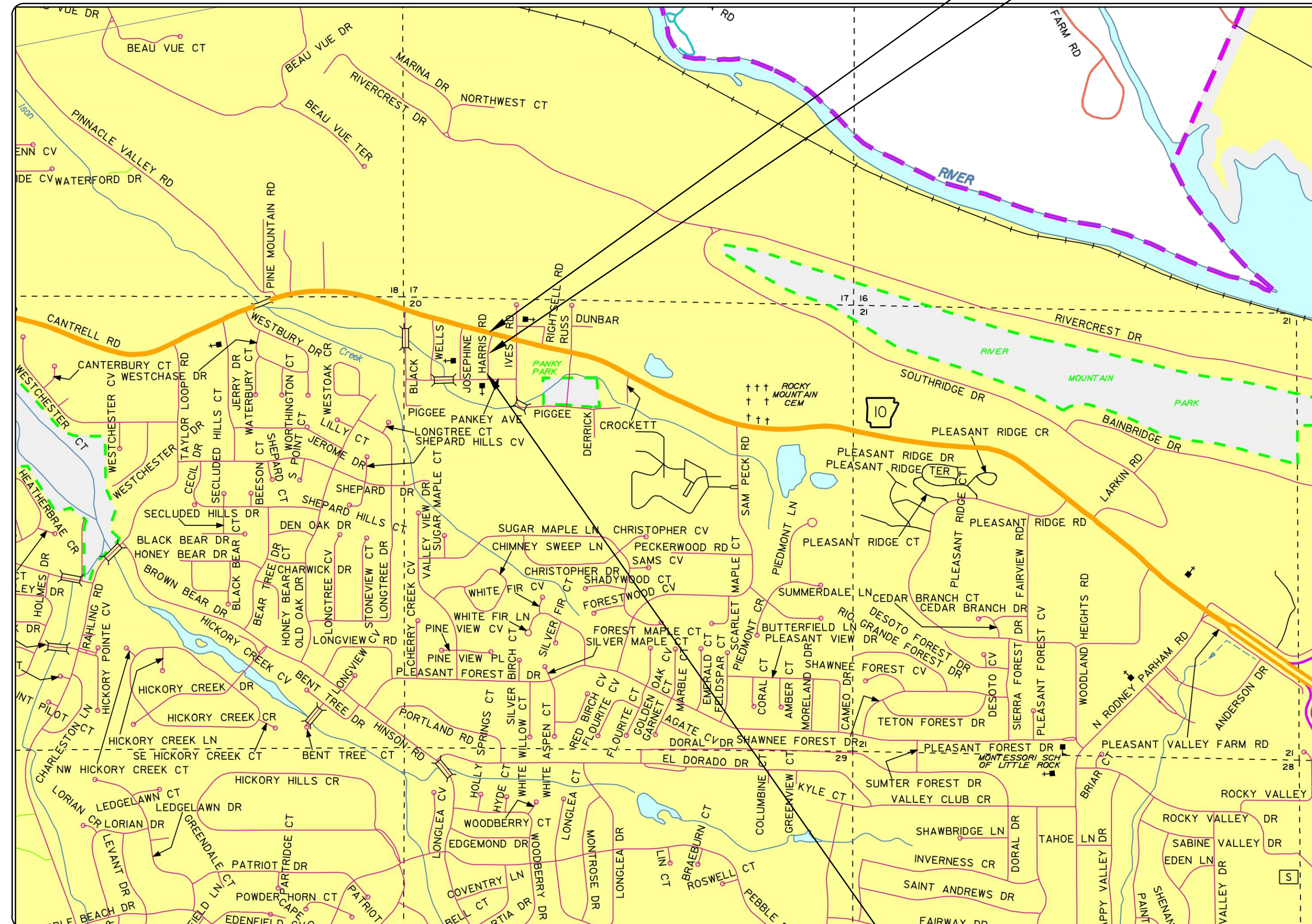
PANKEY AVE. (NORTH) TO HWY 10



PROJECT LOCATION – WARD 4

END PROJECT STA. 12+05.07

BEGIN PROJECT STA. 10+00



PROJECT
LOCATION



Know what's below.
Call before you dig.

SHEET LIST TABLE	
SHEET NO.	TITLE
C1	COVER SHEET
C2	LEGEND
C3	TYPICAL SECTION
C4	PLAN - PROFILE
C5	SURVEY CONTROL
C6	EROSION CONTROL
C7	DRAINAGE
C8	X-SECTIONS



2019-2021
BOND PROGRAM

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

REVISIONS DATE

60% Submittal

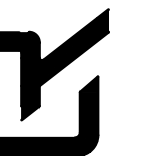
CITY OF LITTLE ROCK, ARKANSAS
HARRIS RD IMPROVEMENTS

COVER

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING
701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



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ZR

DESIGNED

RH

CHECKED

RH

DATE

11-09-19

SCALE

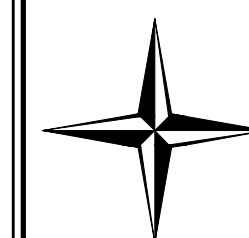
Value

PROJECT NO.

CLR # 04-17-ST-172

SHEET NO.

C1



CENTRAL ARKANSAS ENGINEERING
A PROFESSIONAL LIMITED LIABILITY COMPANY

CIVIL ENGINEERING | SURVEYING | GIS

1012 AUTUMN ROAD, SUITE #2 | LITTLE ROCK, ARKANSAS 72211
OFFICE: 501.227.4459 | FAX: 501.227.3820 | EMAIL: CAENGR@SBCGLOBAL.NET
www.CentralArkansasEngineering.com

	CLR PROJECT # 04-17-ST-172		
	HARRIS STREET IMPROVEMENTS 15% SUBMITTAL		
	8-Nov-19		
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION	LS	1
2.02	CLEARING AND GRUBBING TREEMS	LS	1
3.01	UNCLASSIFIED EXCAVATION	CY	333.8
3.30	BORROW MATERIAL	CY	446.8
3.40	TOPSOIL	CY	85
4.01	AGGREGATE BASE COURSE	TON	165
6.01	ACHM SURFACE COURSE	TON	78
8.03	CONCRETE CURB AND GUTTER (CLASS 3)	LF	444
10.04	CURB INLET - 4' BOX	EA	3
11.01	REINFORCED CONCRETE PRECAST BOX CULVERT 4' X 5'	LF	129
11.15	CONCRETE DITCH PAVING 6" THICK	CY	2
11.20	REINFORCED CONCRETE RETAINING WALL	CY	10.38
10.70	JUNCTION BOX IN ROADWAY 6' X 18'	EA	1
13.18	CROSS DRAIN PIPE 18"	LF	24
13.19	SIDE DRAIN PIPE 18"	LF	36.2
14.01	SOLID SOD, BERMUDA	SY	160
16.01	MAINTANCE OF TRAFFIC	LS	1
17.01	PAVEMENT REPAIRS	SY	20
19.01	FINAL CLEANUP	LS	1
24.07	SEDIMENT BARRIER, GRAVEL RING	EA	4
24.11	SILT FENCE - TYPE A (SFA)	LF	414
24.18	DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION(TS1)	AC	0.2

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		PROPOSED
IRON ROD	○ IR	PROPOSED CONTOUR
PK NAIL	○ PK	PROPOSED SPOT ELEVATION
R.R. SPIKE	○ RR(Sp)	PROPOSED SPOT CURB ELEVATION
CONC. MONUMENT	□ CM	STORM SEWER – PIPE
WATER VALVE	⊗ WV	STORM SEWER – MITERED END SECTION
WATER METER	□ WM	STORM SEWER – GRATE INLET
FIRE HYDRANT	⊕ FH	STORM SEWER – JUNCTION BOX
GAS METER	⊗ GM	STORM SEWER – FLARED END SECTION
GAS VALVE	⊗ GV	STORM SEWER – HEADWALL
CLEAN–OUT	○ CO	STORM SEWER – SINGLE WING
GUARD POST (BOLLARD)	● GP	STORM SEWER – DOUBLE WING
SIGN POST	⊕	STORM SEWER – AREA INLET
BENCHMARK	⊕	GRADE BREAK LINE
STORM SEWER MANHOLE	⊕	HIGH POINT
SANITARY SEWER MANHOLE	⊕	LOW POINT
TELEPHONE MANHOLE	⊕	CUT LINE
ELECTRIC MANHOLE	⊕	FILL LINE
TELEPHONE BOX	⊕	SANITARY SEWER PIPE
ELECTRIC BOX	⊕	SANITARY SEWER MANHOLE
CABLE BOX	⊕	PROPOSED CURB
UTILITY POLE	⊕	PROPOSED CONCRETE
GUY WIRE	⊕	CONSTRUCTION – ENTRANCE/EXIT
LIGHT POLE	⊕	CHECK DAM
POST OR POLE (TYPE AS NOTED)	⊕	DIVERSION BERM
MAILBOX	⊕	DOWNDRAIN STRUCTURE – TEMPORARY
DECIDUOUS TREE	⊕	ROCK DAM
EVERGREEN/CONIFEROUS TREE	⊕	SEDIMENT BARRIER – SILT FENCE
BUSH	⊕	SEDIMENT BARRIER – GRAVEL RING
PROPERTY LINE	⊕	SEDIMENT BARRIER – BLOCK & GRAVEL
SETBACK LINE	⊕	SEDIMENT BARRIER – BLOCK
EASEMENT LINE	⊕	TEMPORARY SEDIMENT BASIN
CURB	⊕	SILT FENCE – TYPE A
FENCE	⊕	SILT FENCE – TYPE B
OVERHEAD ELECTRIC	⊕	SILT FENCE – TYPE C
OVERHEAD TELEPHONE	⊕	STORM DRAIN OUTLET PROTECTION
OVERHEAD CABLE	⊕	SURFACE ROUGHENING
UNDERGROUND TELEPHONE	⊕	DISTURBED AREA STABILIZATION –TEMPORARY STABILIZATION
UNDERGROUND ELECTRIC	⊕	DISTURBED AREA STABILIZATION –TEMPORARY GRASSING
UNDERGROUND CABLE	⊕	DISTURBED AREA STABILIZATION –PERMANENT GRASSING
WATER LINE	⊕	MATTING/BLANKETS
SEWER LINE	⊕	
GAS LINE	⊕	
STORM SEWER/CULVERT	⊕	
EDGE OF WOODS	⊕	
CONTOUR LINE	⊕	

REVISIONS

DATE

60% Submittal

CITY OF LITTLE ROCK, ARKANSAS

HARRIS RD IMPROVEMENTS

LEGEND

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



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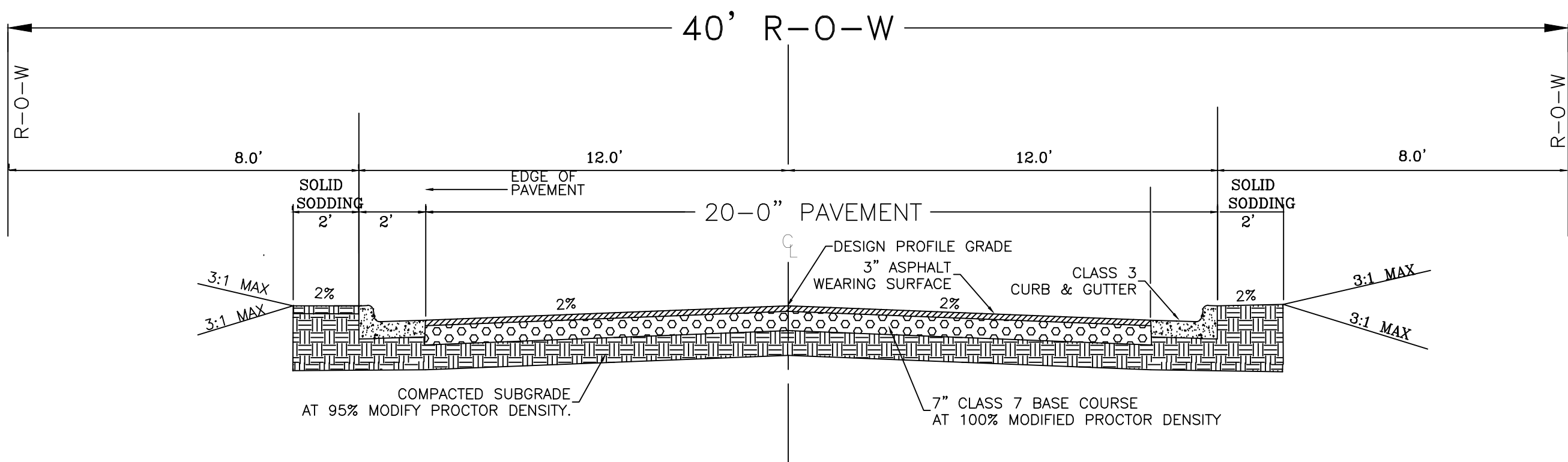
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PROJECT NO.

CLR # 04-17-ST-172

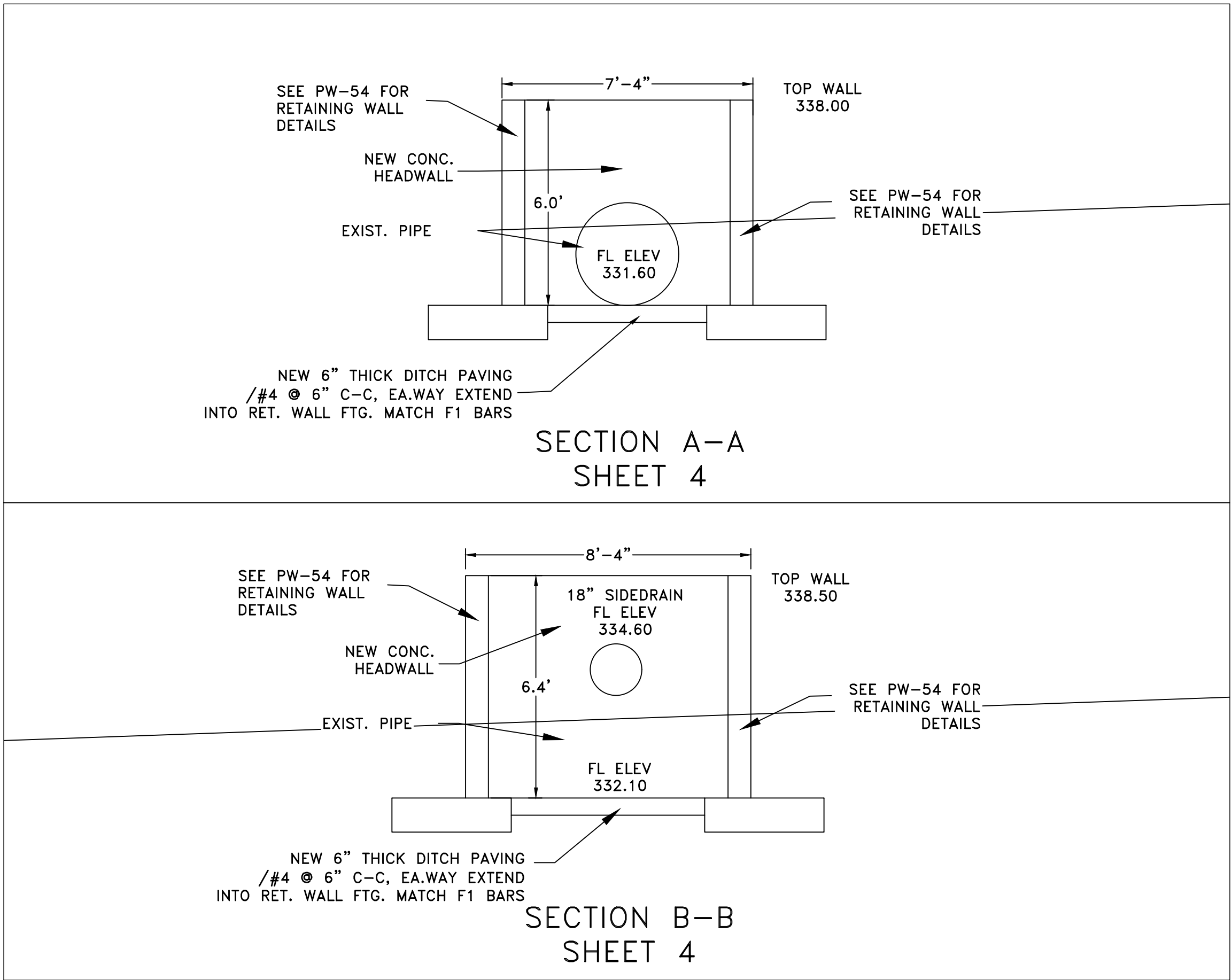
SHEET NO.

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.



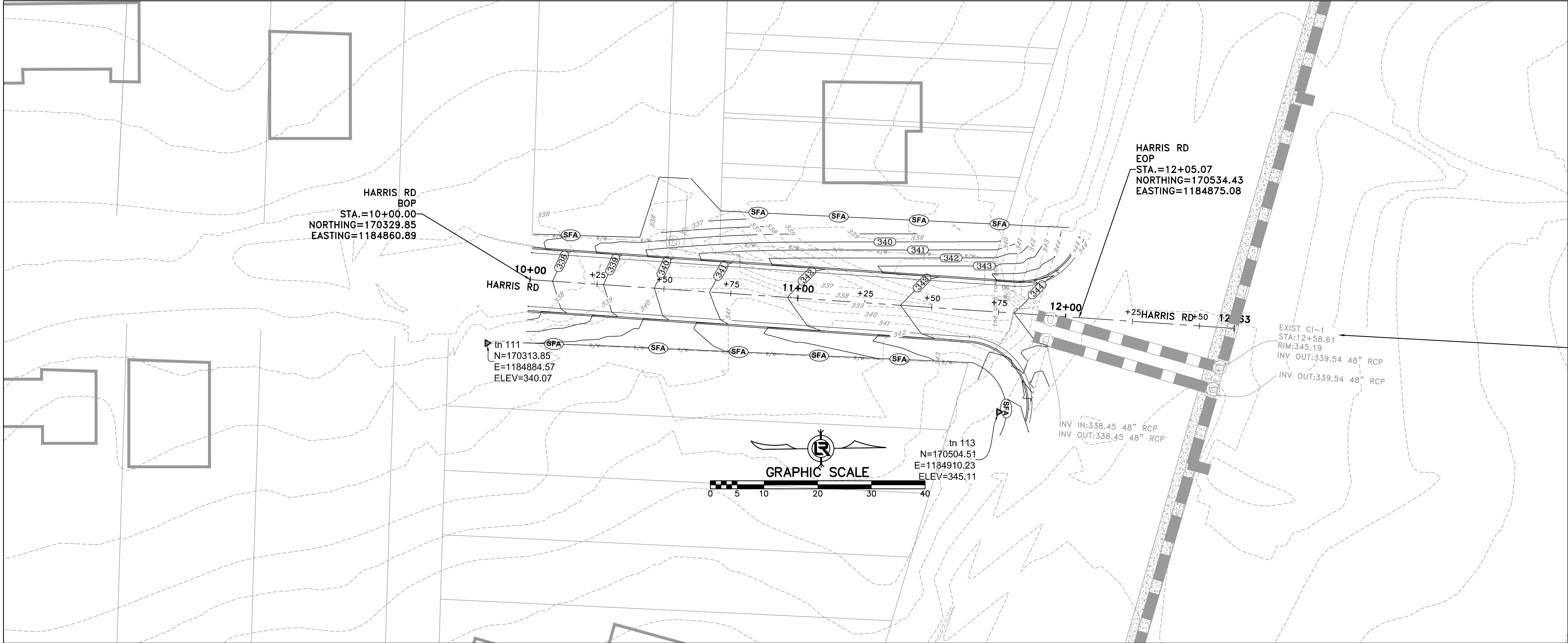
REVISIONS	DATE

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CITY OF LITTLE ROCK, ARKANSAS
HARRIS RD IMPROVEMENTS
TYPICAL SECTIONS

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

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CLR # 04-17-ST-172
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C3



REVISIONS	DATE

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CITY OF LITTLE ROCK, ARKANSAS

HARRIS RD IMPROVEMENTS

SURVEY CONTROL

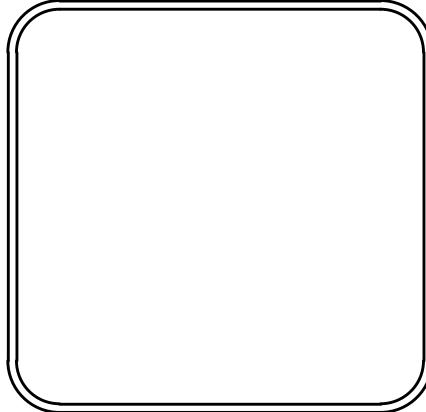
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CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201





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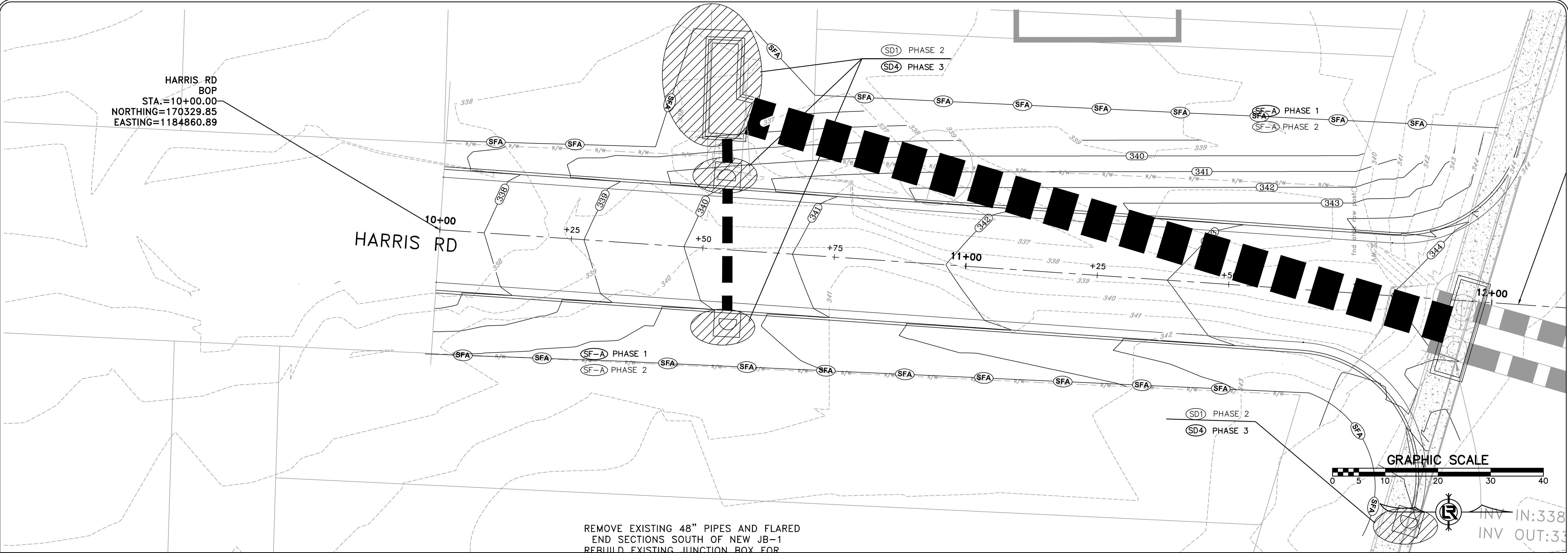
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PROJECT NO.

CLR # 04-17-ST-172

SHEET NO.

C5



REVISIONS	DATE

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CITY OF LITTLE ROCK, ARKANSAS

HARRIS RD IMPROVEMENTS

EROSION CONTROL

DEPARTMENT OF PUBLIC WORKS

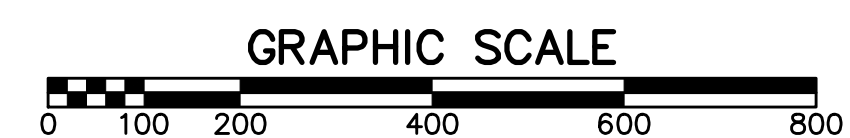
CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



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DESIGNED	RH
CHECKED	RH
DATE	11-09-19
SCALE	Value
PROJECT NO.	CLR # 04-17-ST-172
SHEET NO.	C6



REVISIONS	DATE

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**CITY OF LITTLE ROCK, ARKANSAS
HARRIS RD IMPROVEMENTS**

MAINTENANCE OF TRAFFIC

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



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DATE

11-09-19

SCALE

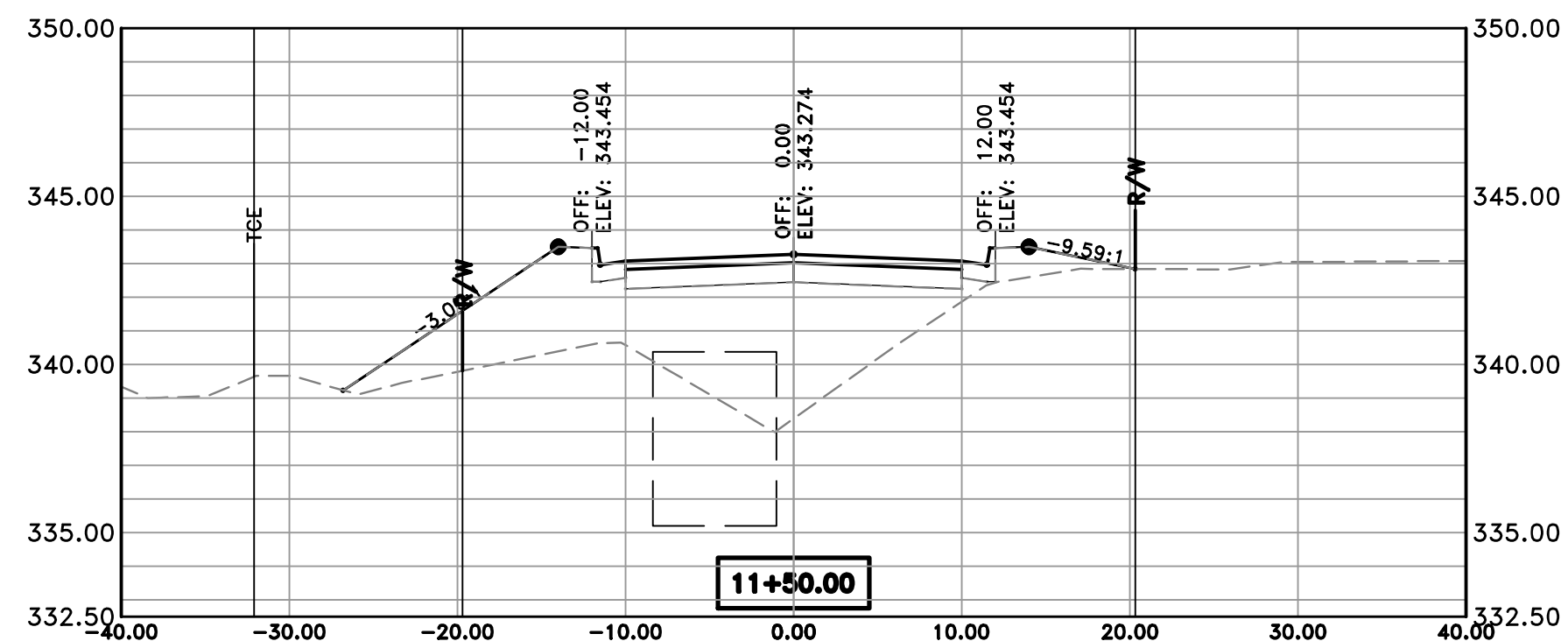
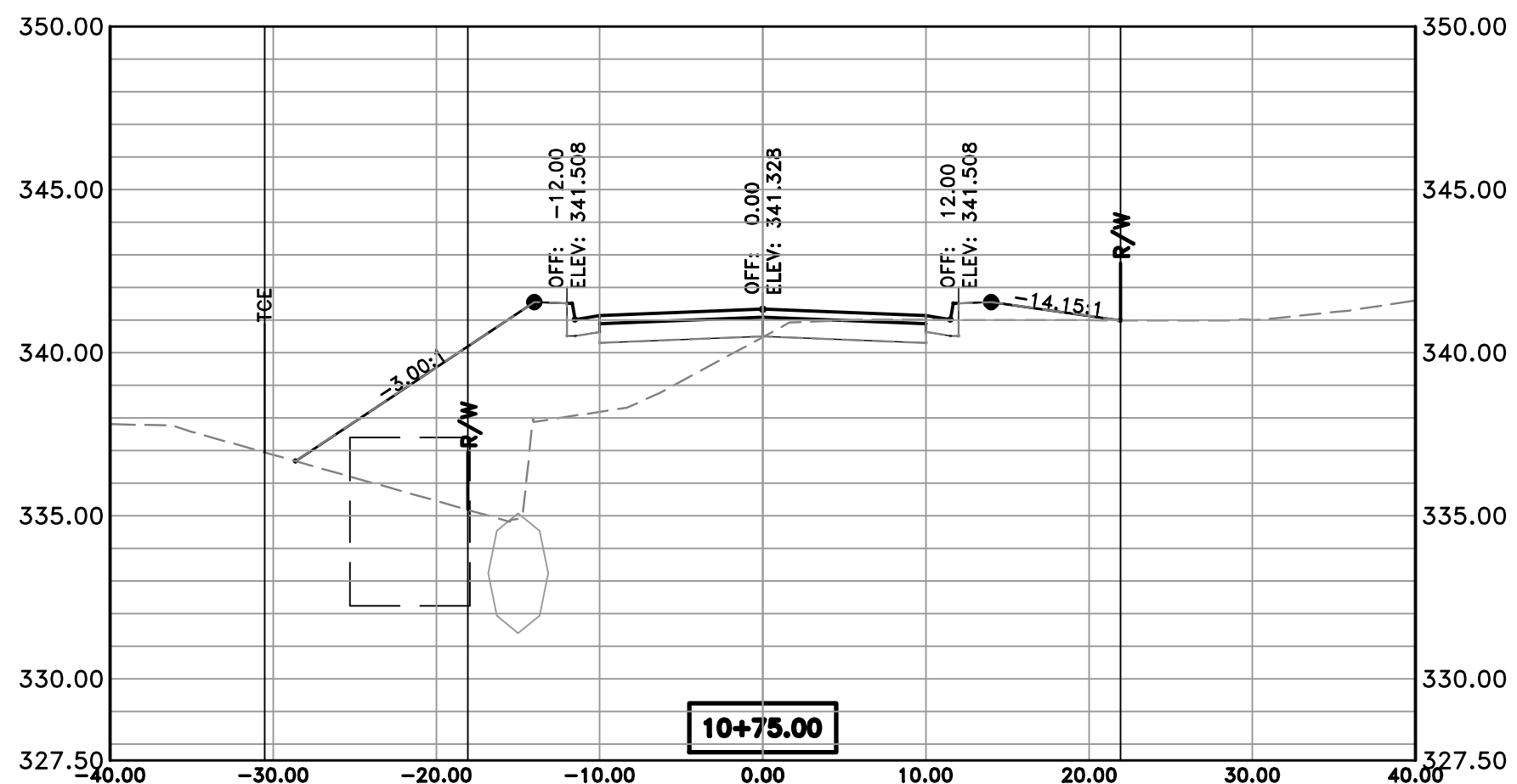
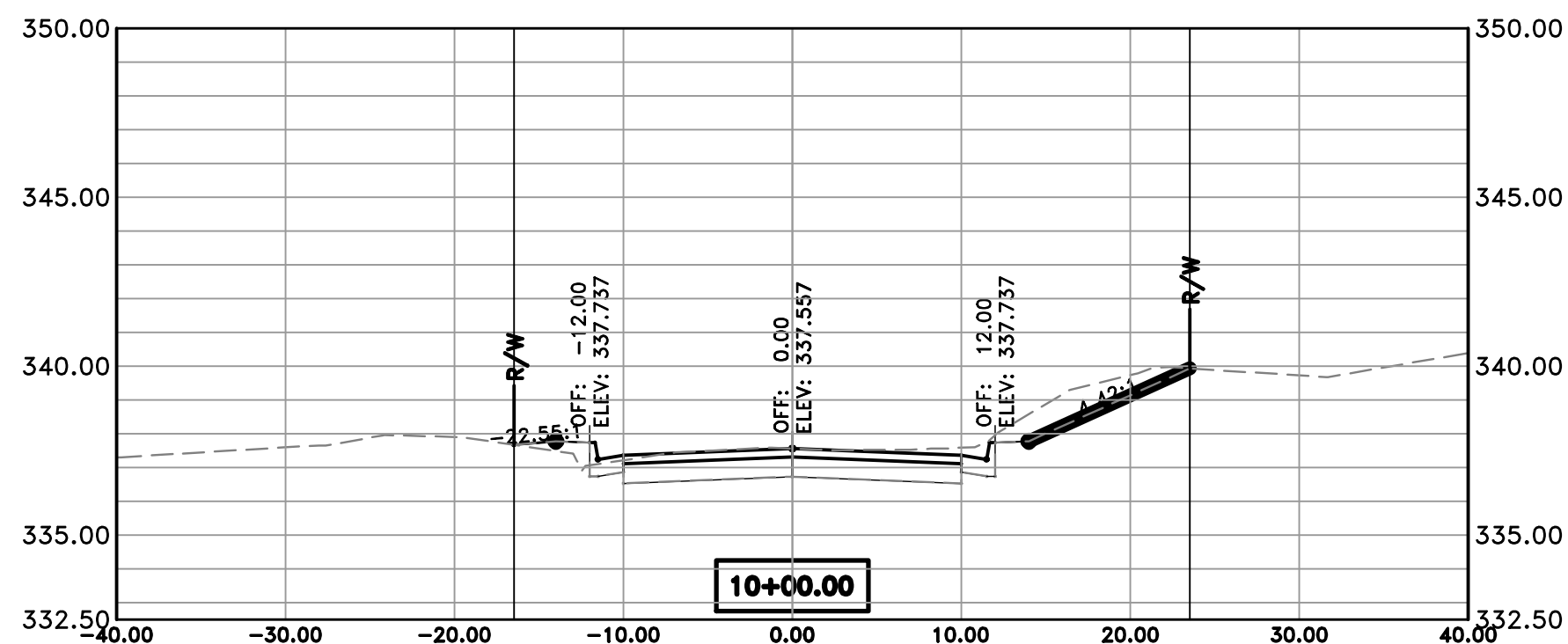
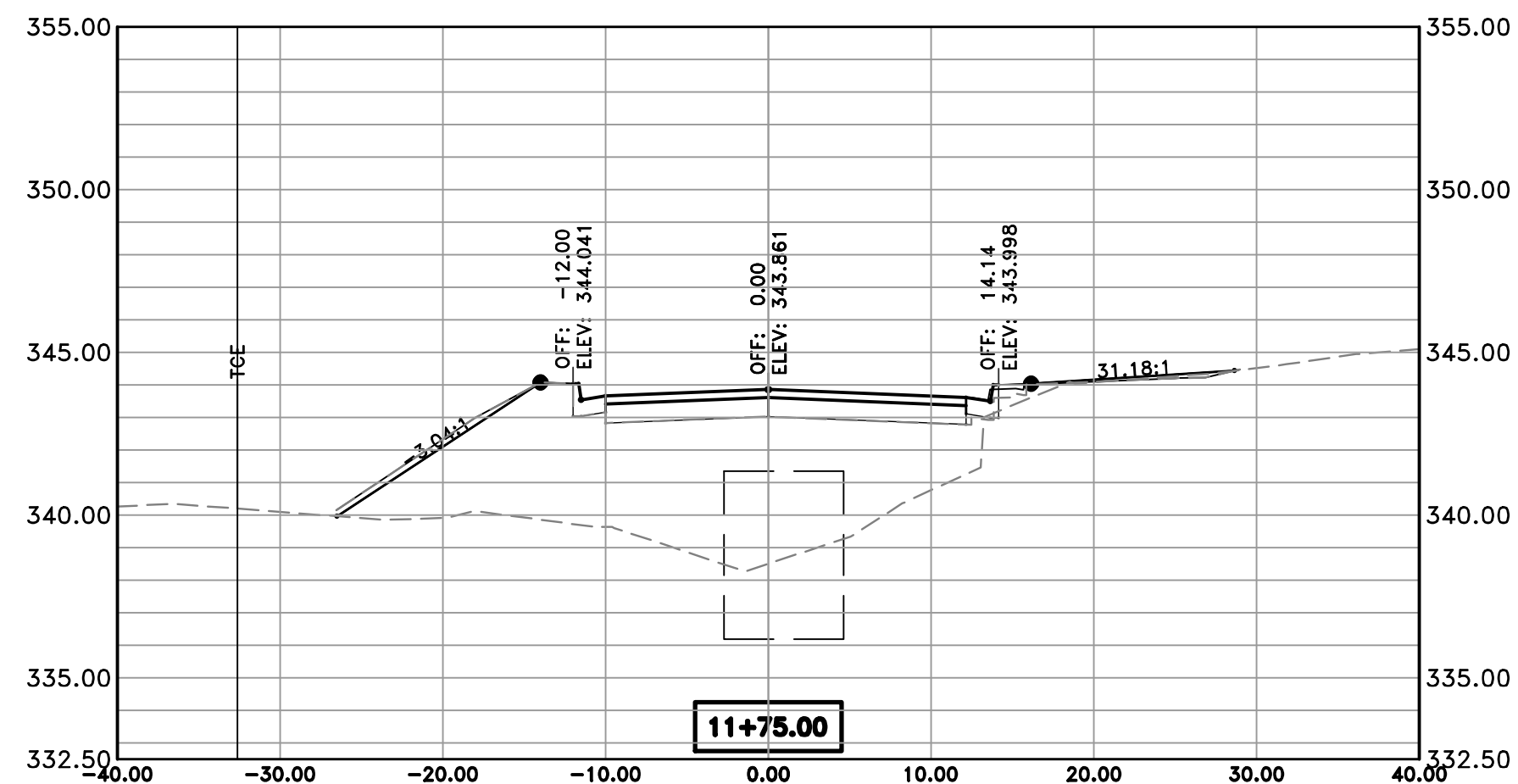
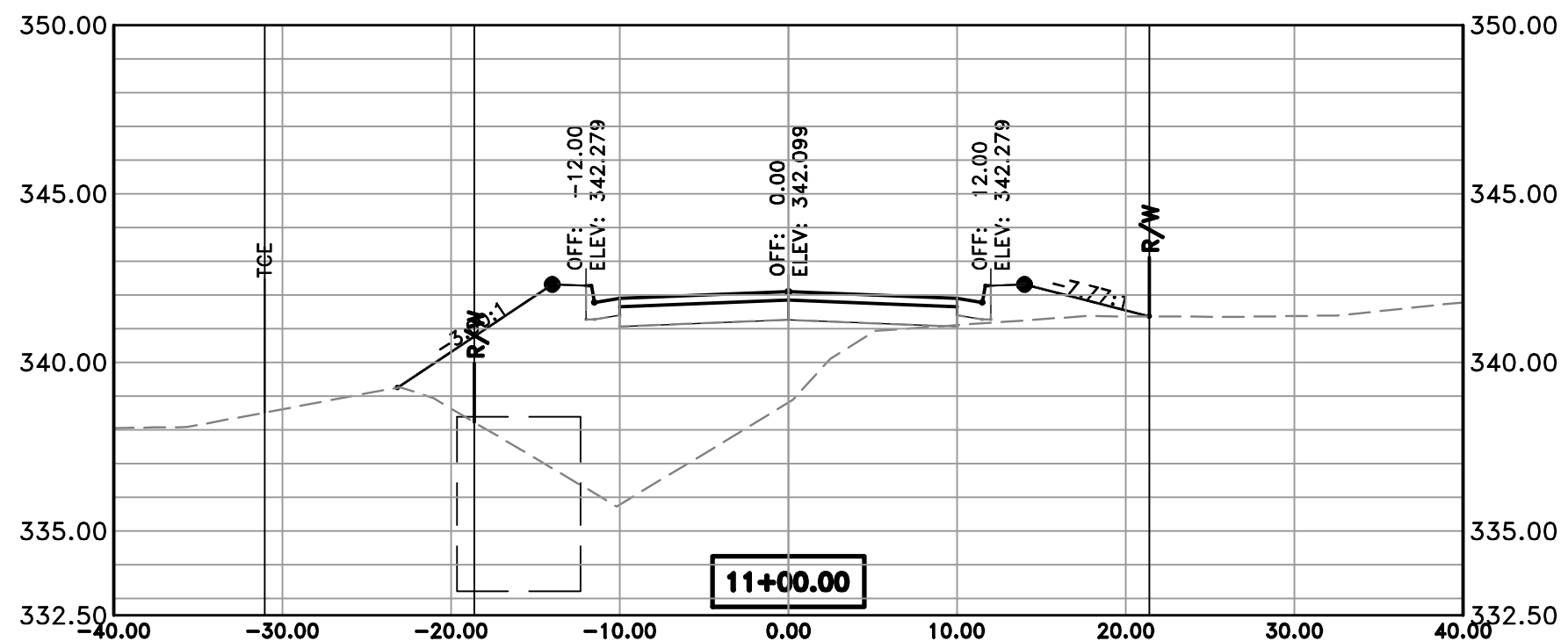
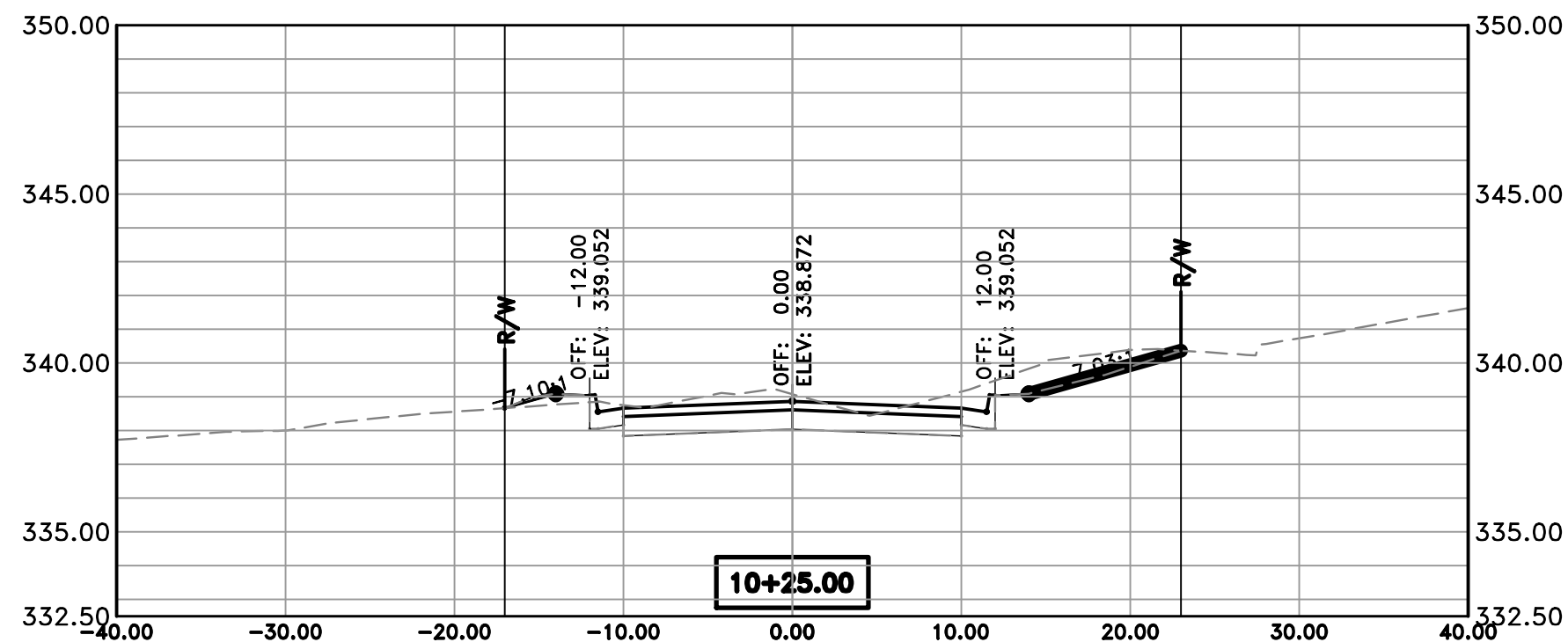
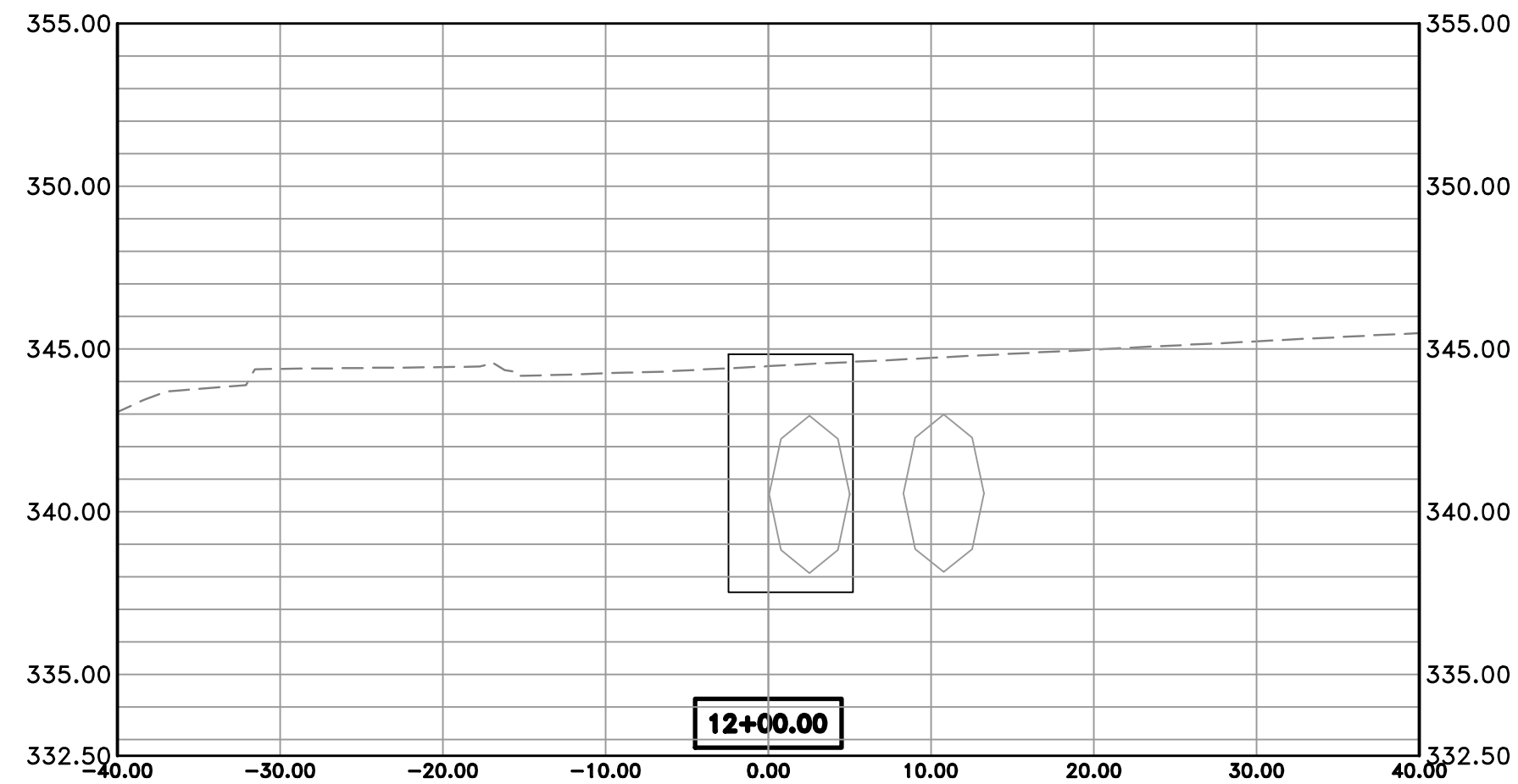
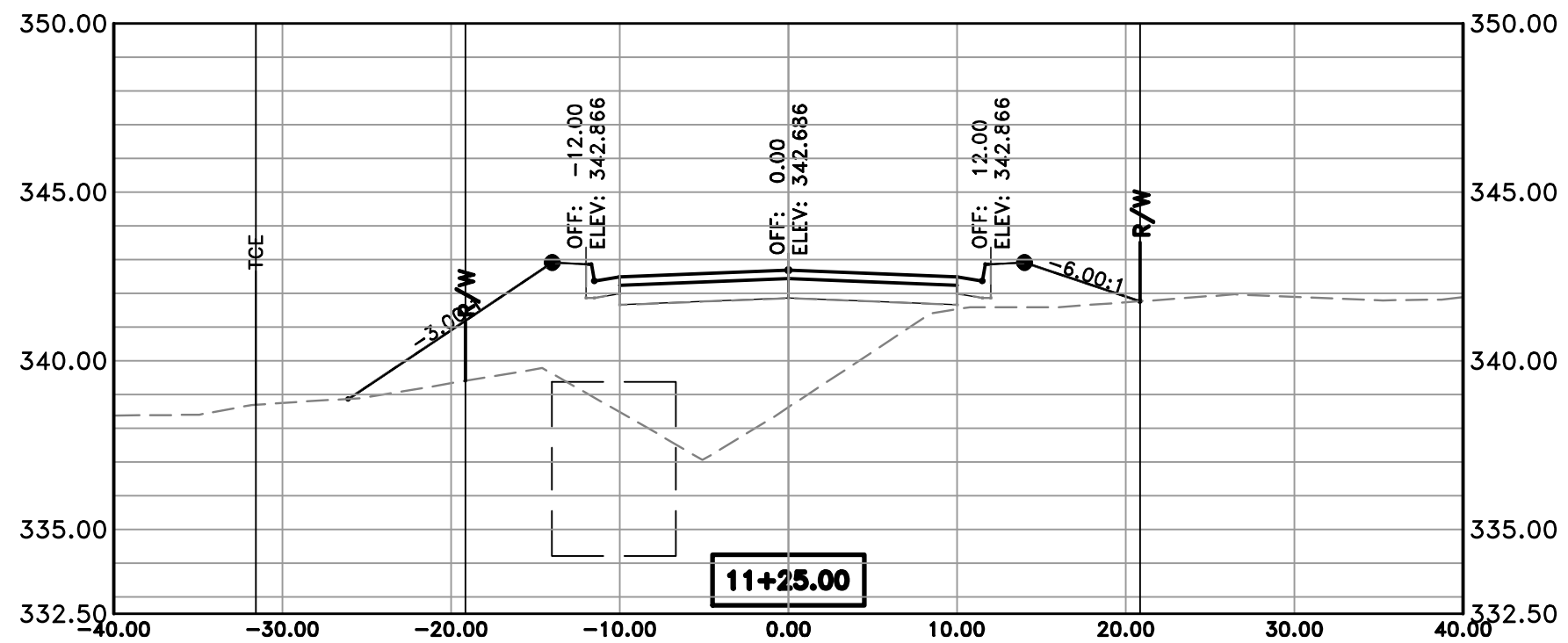
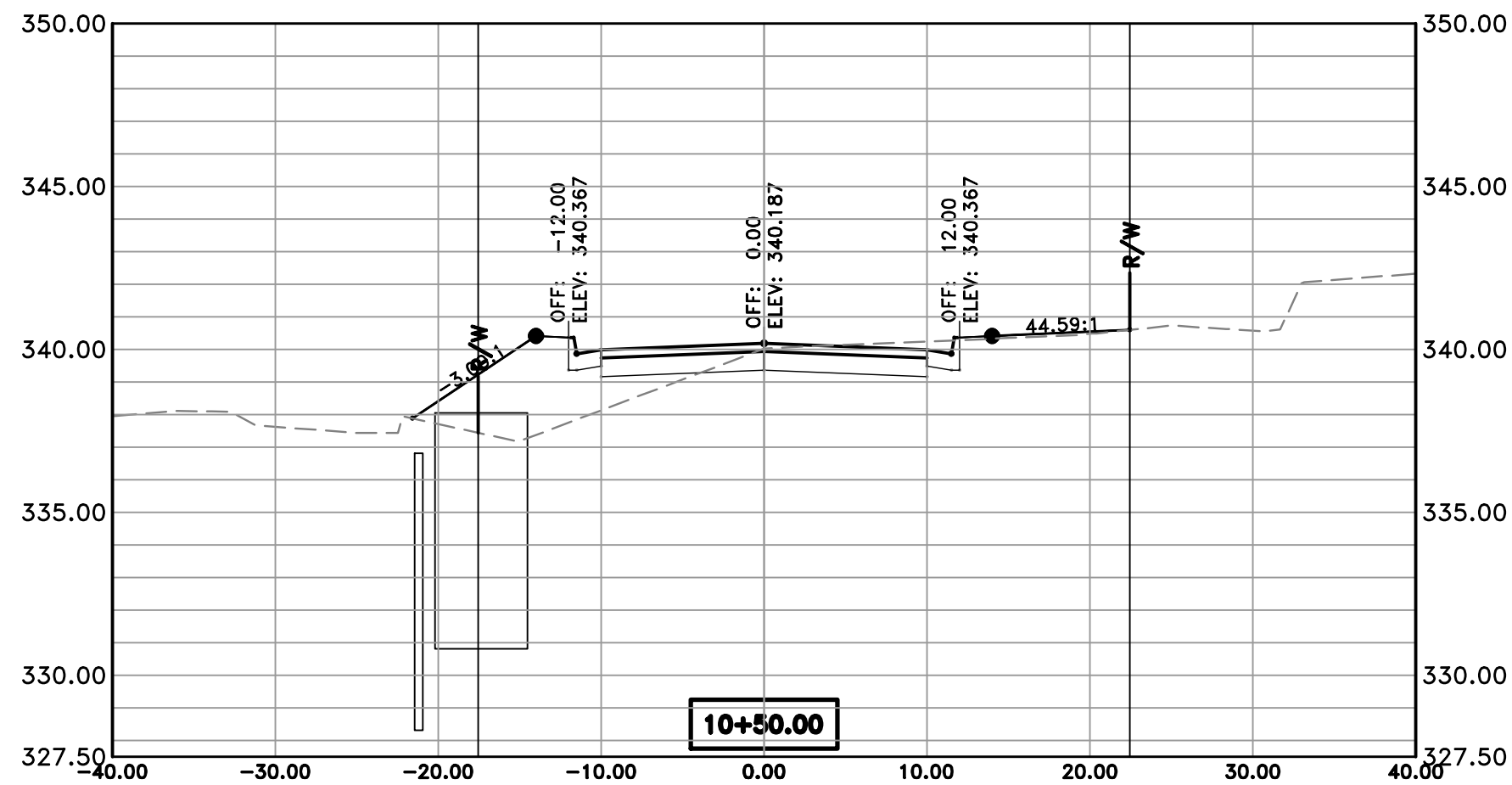
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PROJECT NO.	
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CLB # 04-17-ST-172

SHEET NO.

C7



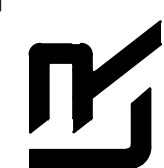
1"=10'H
1"= 5'V

REVISIONS	DATE

60% Submittal

CITY OF LITTLE ROCK, ARKANSAS
HARRIS RD IMPROVEMENTS
X-SECTIONS 1

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



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DESIGNED RH
CHECKED RH
DATE 11-09-19
SCALE 1:10
PROJECT NO. CLR # 04-17-ST-172
SHEET NO. C8