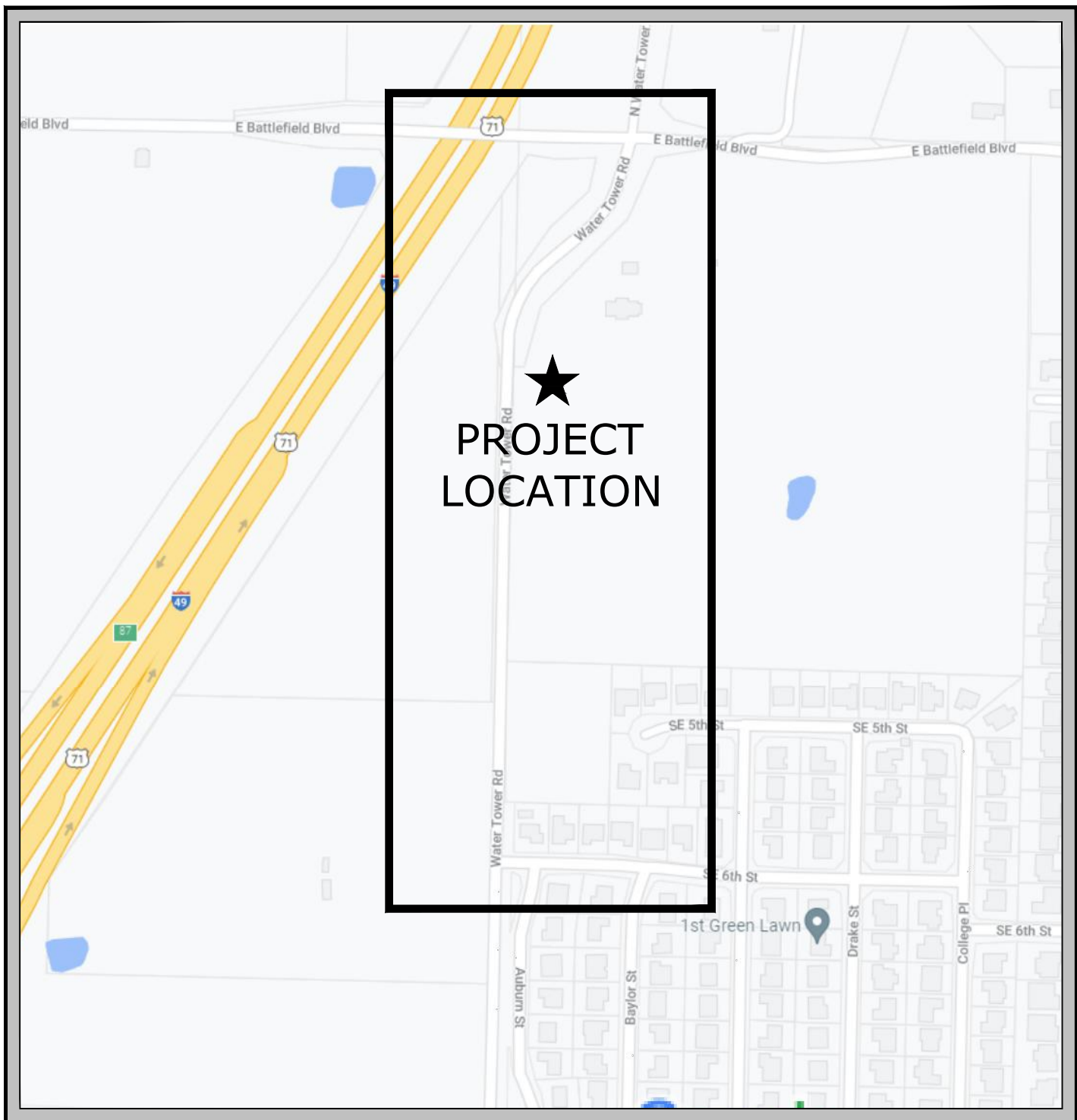
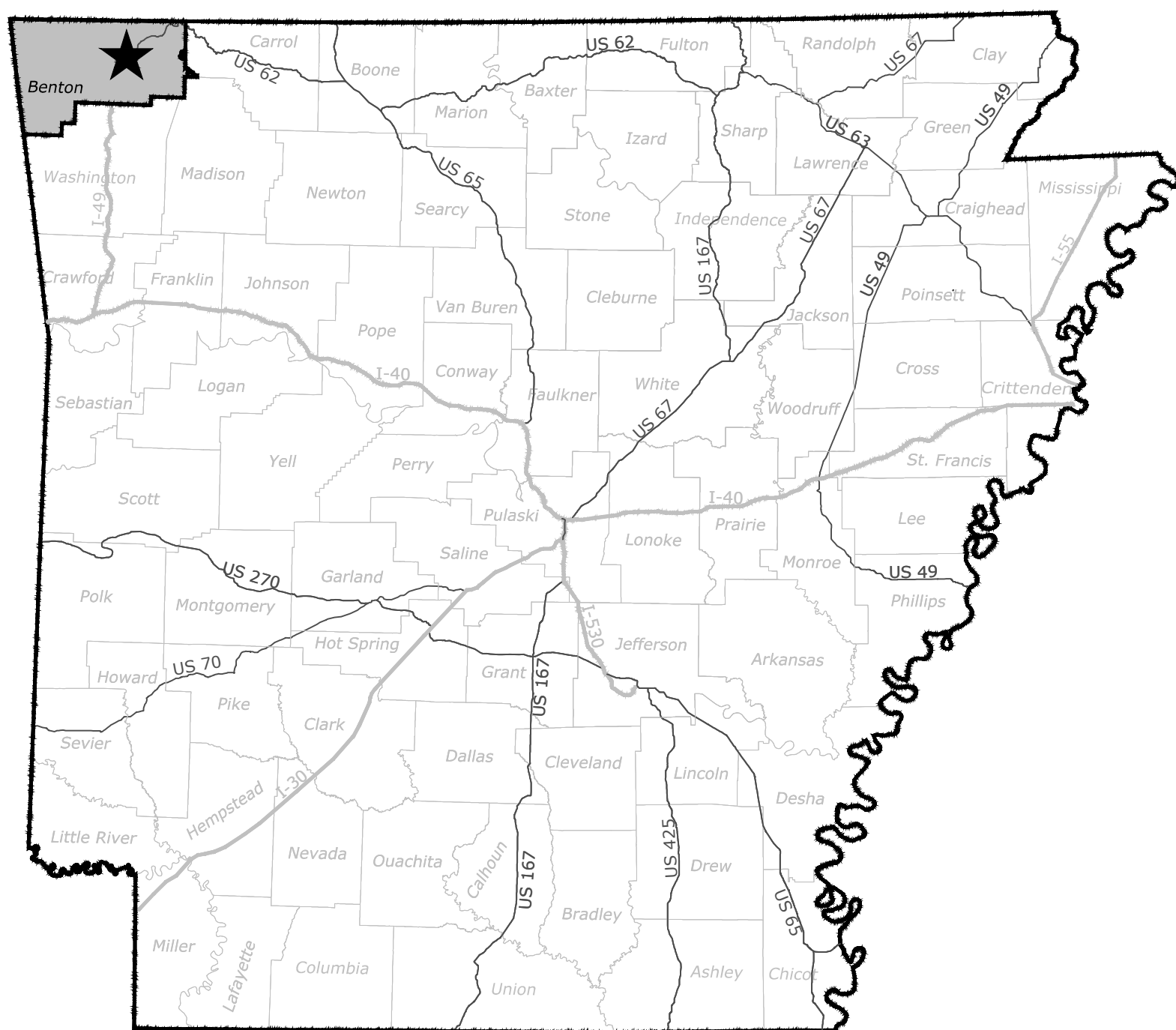


WATER TOWER RD. PH.3

SE. 6TH ST. TO BATTLEFIELD BLVD.

BENTONVILLE, AR
30% SUBMITTAL



VICINITY MAP



CONTACTS

CITY ENGINEER
CITY OF BENTONVILLE
3200 SW MUNICIPAL DRIVE
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479-571-6609
BB6585@ATT.COM

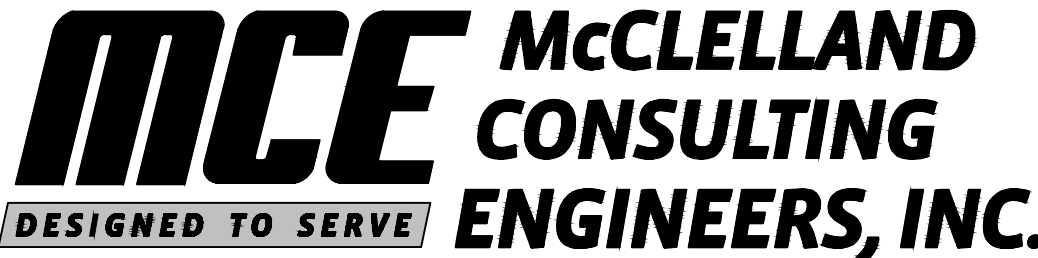
ELECTRIC
BENTONVILLE ELECTRIC
3200 SW MUNICIPAL DRIVE
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COX COMMUNICATIONS
STREET
CITY, STATE ZIP
KIP SMITH-
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KIP.SMITH@COX.COM

CIVIL ENGINEERING CONSULTANT
McCLELLAND CONSULTING ENGINEERS, INC
1580 EAST STEARNS STREET
FAYETTEVILLE, AR 72703
ERIC ANDERSON- PROJECT ENGINEER
479-443-2377
EANDERSON@MCE.US.COM



January 2022
MCE PROJECT NUMBER 21-2147



<http://www.mce.us.com>
1580 E. STEARNS ST.
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1	COVER
2	INDEX OF SHEETS
TSU-1	TOPOGRAPHIC & UTILITY SURVEY- STA. 1+00 TO STA. 9+00
TSU-2	TOPOGRAPHIC & UTILITY SURVEY- STA. 9+00 TO STA. 18+00
TSU-3	TOPOGRAPHIC & UTILITY SURVEY- STA. 18+00 TO STA. 27+08
TSU-4	TOPO. & UTIL. SURV. BATTLEFIELD BLVD- STA. 100+00 TO STA. 106+73
TS-1	TYPICAL SECTIONS- WATER TOWER ROAD
PP-1	PLAN AND PROFILE WATER TOWER RD.- STA. 1+00 TO STA. 5+25
PP-2	PLAN AND PROFILE WATER TOWER RD.- STA. 5+25 TO STA. 9+00
PP-3	PLAN AND PROFILE WATER TOWER RD.- STA. 9+00 TO STA. 13+75
PP-4	PLAN AND PROFILE WATER TOWER RD.- STA. 13+75 TO STA. 18+00
PP-5	PLAN AND PROFILE WATER TOWER RD.- STA. 18+00 TO STA. 22+50
PP-6	PLAN AND PROFILE WATER TOWER RD.- STA. 22+50 TO STA. 27+08
PP-7	PLAN AND PROFILE SE. 8TH ST. CONNECT.- STA. 50+00 TO STA. 53+50
PP-8	PLAN AND PROFILE SE. 8TH ST. CONNECT.- STA. 53+50 TO STA. 56+44
PP-9	PLAN AND PROFILE BATTLEFIELD BLVD.- STA. 100+00 TO STA. 103+50
PP-10	PLAN AND PROFILE BATTLEFIELD BLVD.- STA. 103+50 TO STA. 106+73
XS-1	CROSS SECTIONS SE. 8TH ST. BYPASS- STA. 50+00 TO STA. 54+00
XS-2	CROSS SECTION BYPASS STA. 55+75 TO WATER TOWER RD. STA. 5+00
XS-3	CROSS SECTIONS WATER TOWER RD.- STA. 6+50 TO STA. 10+50
XS-4	CROSS SECTIONS WATER TOWER RD.- STA. 11+00 TO STA. 15+00
XS-5	CROSS SECTIONS WATER TOWER RD.- STA. 15+50 TO STA. 19+50
XS-6	CROSS SECTIONS WATER TOWER RD.- STA. 20+00 TO STA. 23+00
PM-1	PAVEMENT MARKING AND SIGNAGE PLAN- STA. 1+00 TO STA. 9+00
PM-2	PAVEMENT MARKING AND SIGNAGE PLAN- STA. 9+00 TO STA. 18+00
PM-3	PAVEMENT MARKING AND SIGNAGE PLAN- STA. 18+00 TO STA. 22+50
PM-4	PAVEMENT MARKING AND SIGNAGE PLAN- ROUNDABOUT
PM-5	PVMT. MARKING AND SIGNAGE PLAN- SE. 8TH ST. CONNECTION
DMP-1	DRAINAGE AREA MAP



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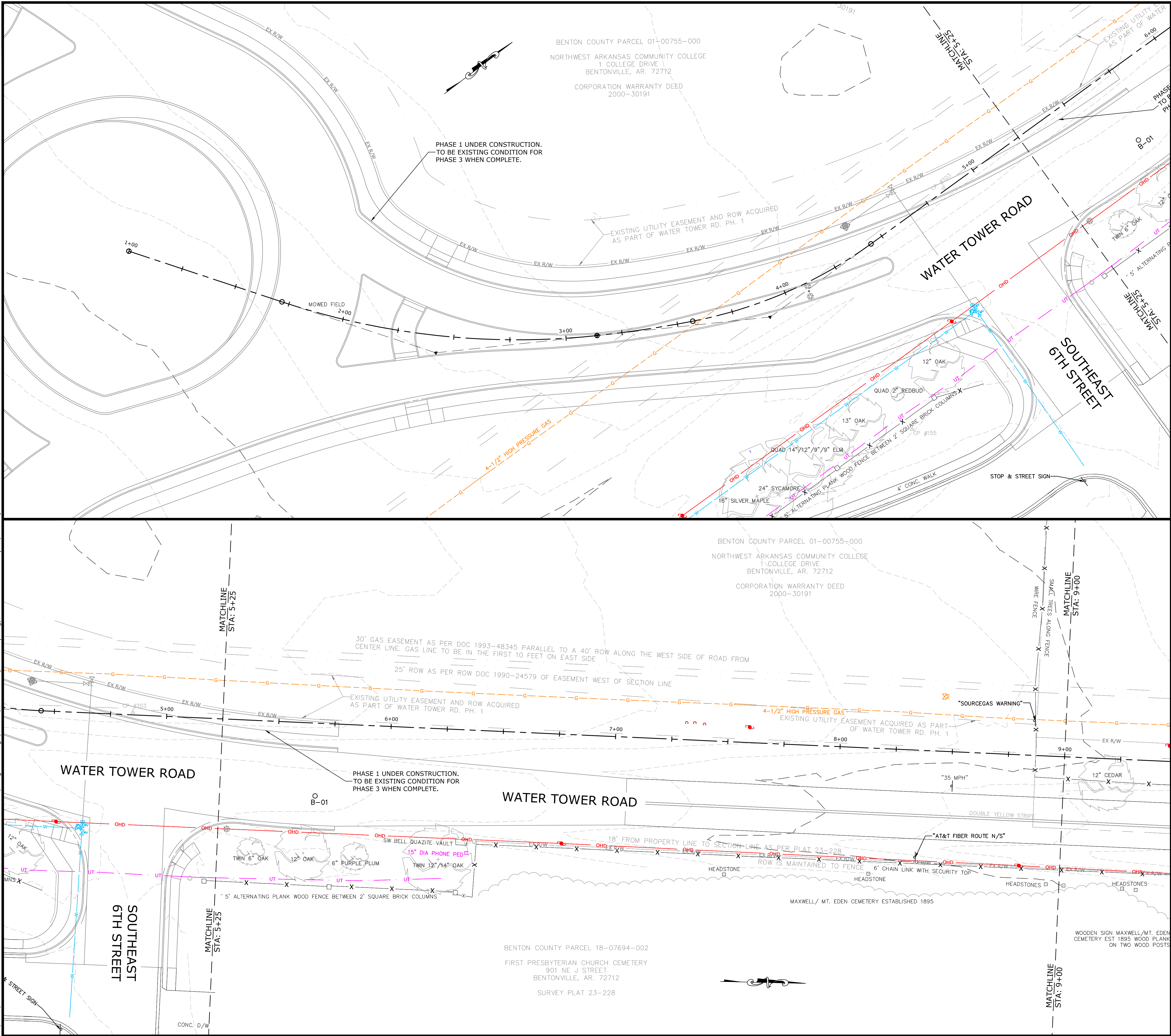
WATER TOWER RD. PH.3
SE. 6TH ST. TO BATTLEFIELD BLVD.
BENTONVILLE, AR

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INDEX OF SHEETS

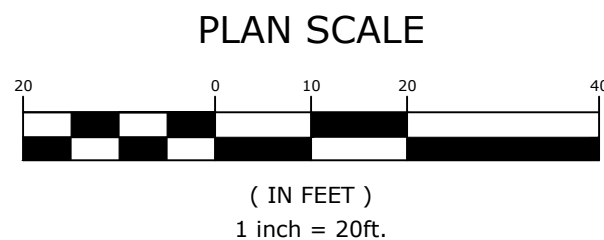
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EXISTING LEGEND

- W WATER LINE
- G GAS LINE
- UT UNDERGROUND TELEPHONE
- UFO UNDERGROUND FIBER
- OHE OVERHEAD ELECTRIC
- OHD OVERHEAD UTILITY
- SDP STORM DRAINAGE PIPE
- X X FENCE
- 23+00 ROAD CENTERLINE
- DITCH FLOWLINE
- EX R/W RIGHT OF WAY
- EASEMENT
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- GAS VALVE
- PHONE MANHOLE
- WATER FAUCET
- POWER POLE
- GUY WIRE w/ ANCHOR
- GAS METER
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- SIGN (AS NOTED)
- POST (AS NOTED)
- CONTROL POINT
- BUSH
- TREE (TO REMAIN)
- TREE (TO BE REMOVED)



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BENTONVILLE, AR

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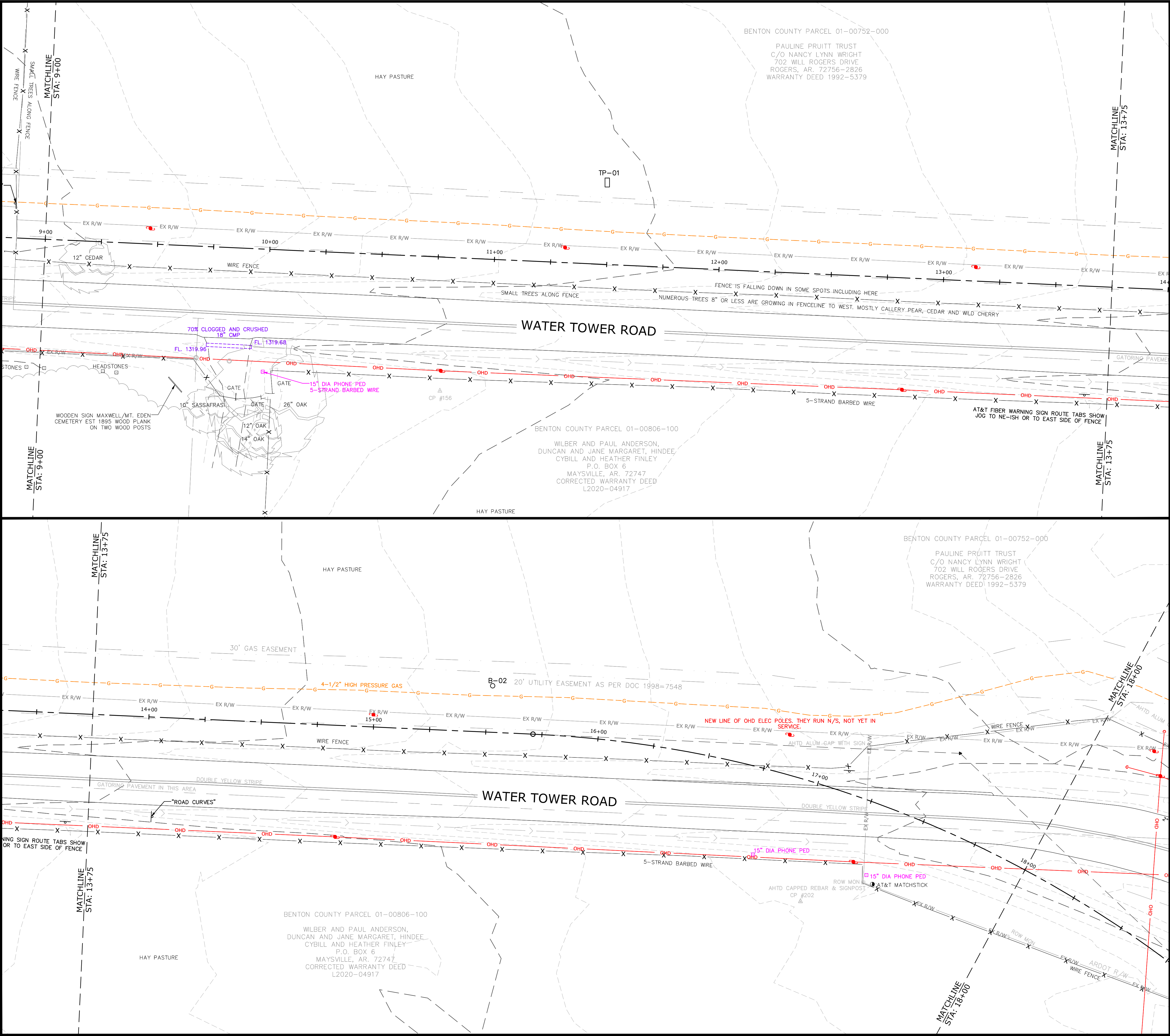
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& UTILITY
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1+00 TO STA.
9+00

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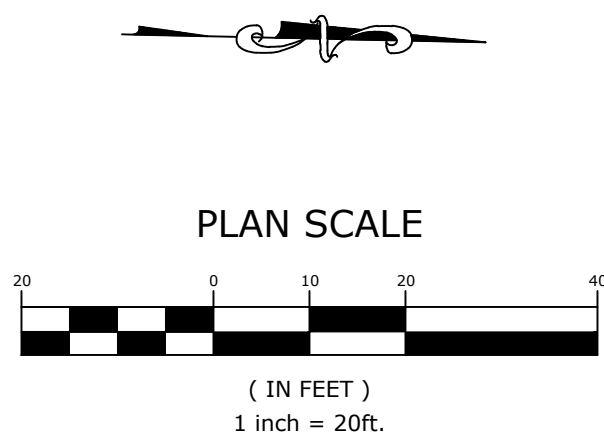
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EXISTING LEGEND

- W WATER LINE
- G GAS LINE
- UT UNDERGROUND TELEPHONE
- UFO UNDERGROUND FIBER
- OHE OVERHEAD ELECTRIC
- OHD OVERHEAD UTILITY
- SD STORM DRAINAGE PIPE
- X FENCE
- 23+00 ROAD CENTERLINE
- DITCH FLOWLINE
- EX R/W RIGHT OF WAY
- EASEMENT
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- GAS VALVE
- PHONE MANHOLE
- WATER FAUCET
- POWER POLE
- GUY WIRE w/ ANCHOR
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- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- SIGN (AS NOTED)
- POST (AS NOTED)
- CONTROL POINT
- BUSH
- TREE (TO REMAIN)
- TREE (TO BE REMOVED)



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REV	DESCRIPTION

TOPOGRAPHIC
& UTILITY
SURVEY- STA.
9+00 TO STA.
18+00

DESIGNED BY:
ELA

DRAWN BY:
WAS

DATE:
1/24/2022

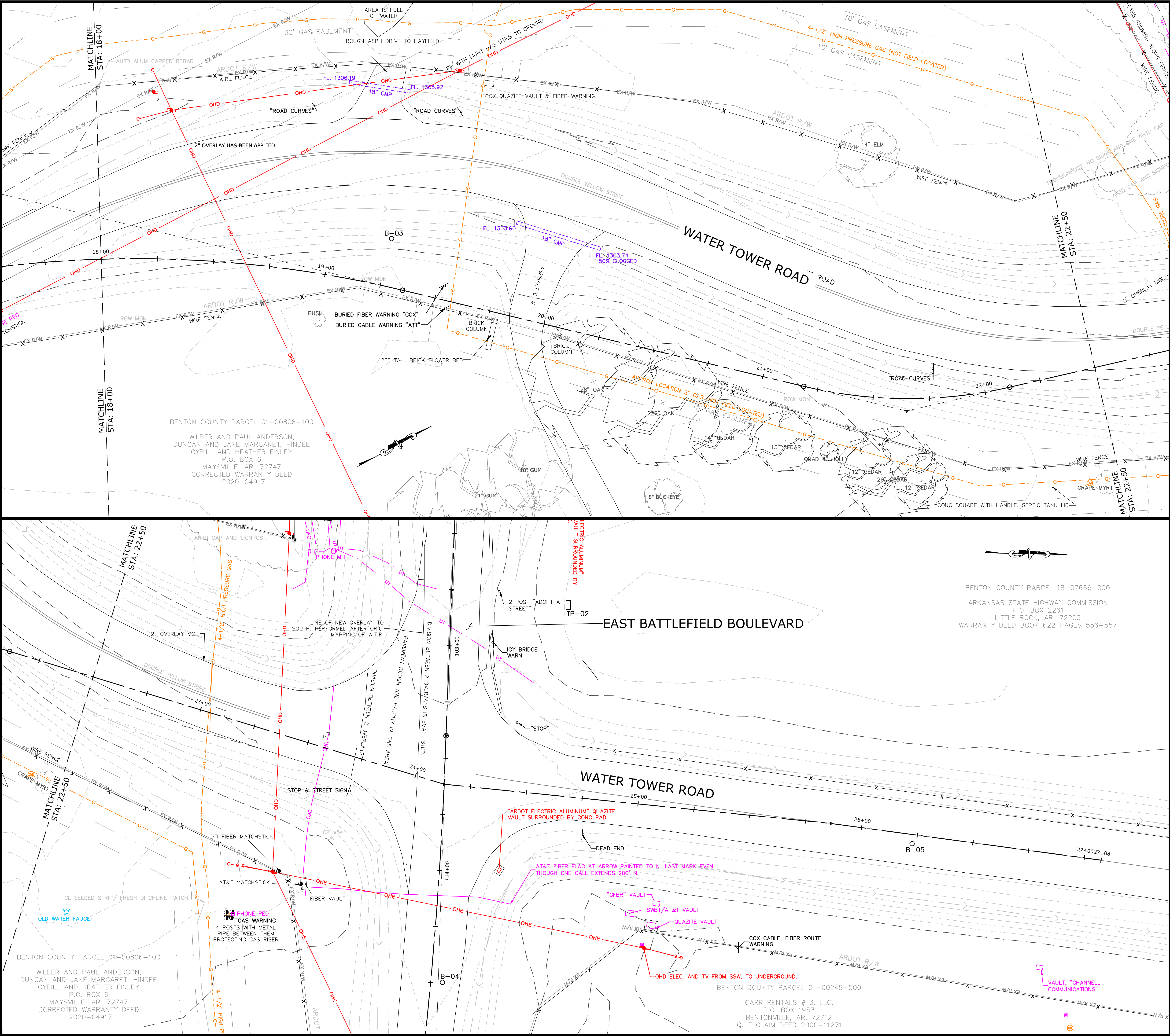
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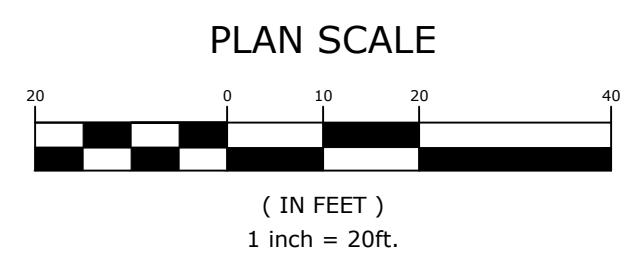
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EXISTING LEGEND

- W WATER LINE
- G GAS LINE
- UT UNDERGROUND TELEPHONE
- UFO UNDERGROUND FIBER
- OHE OVERHEAD ELECTRIC
- OHD OVERHEAD UTILITY
- SD STORM DRAINAGE PIPE
- X FENCE
- 23+00 ROAD CENTERLINE
- DITCH FLOWLINE
- EX R/W RIGHT OF WAY
- EASEMENT
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- GAS VALVE
- PHONE MANHOLE
- WATER FAUCET
- POWER POLE
- GUY WIRE w/ ANCHOR
- GAS METER
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- SIGN (AS NOTED)
- POST (AS NOTED)
- CONTROL POINT
- BUSH
- TREE (TO REMAIN)
- TREE (TO BE REMOVED)



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BENTONVILLE, AR



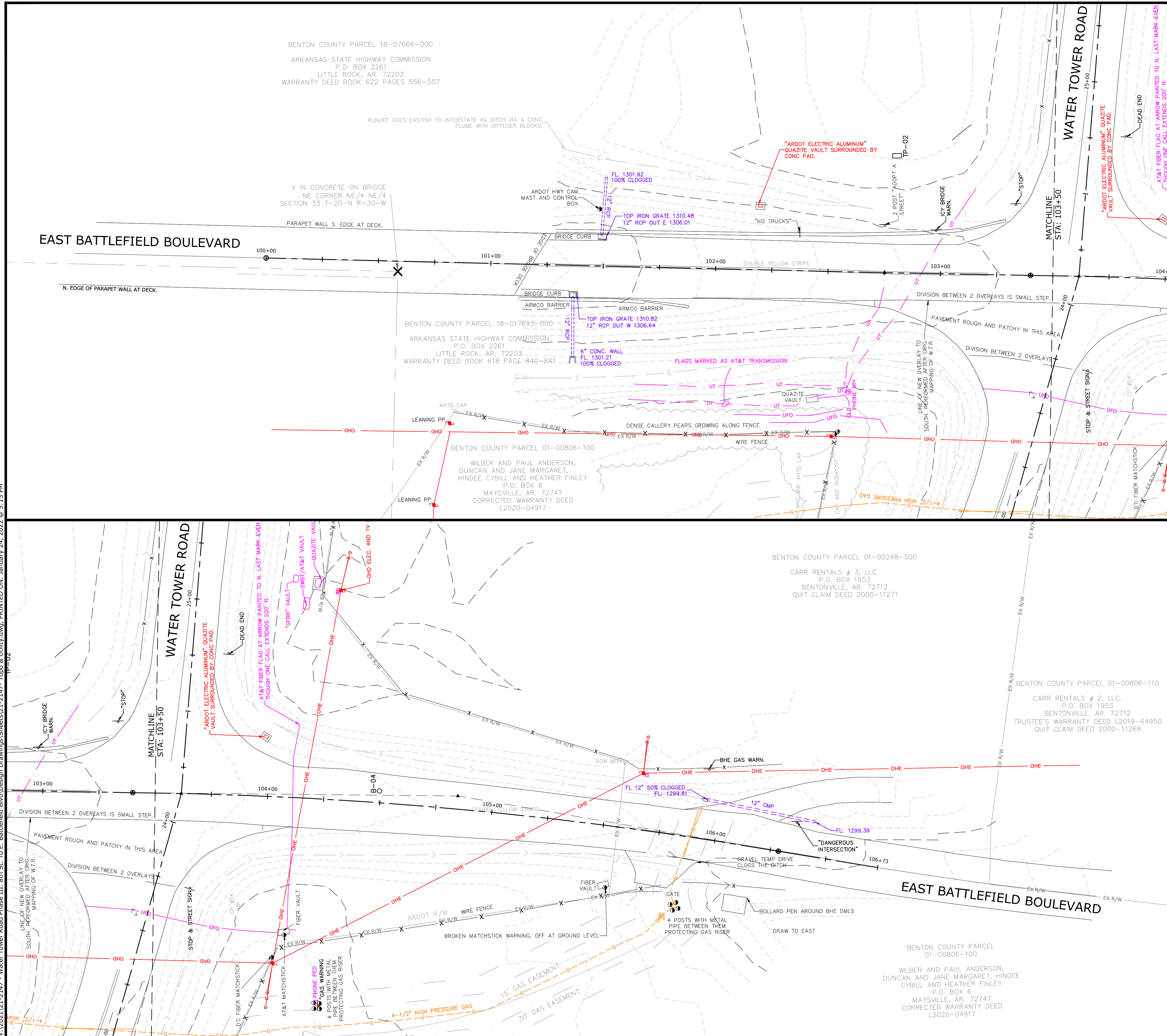
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REV	DATE		

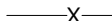
TOPOGRAPHIC
& UTILITY
SURVEY- STA.
18+00 TO STA.
27+08

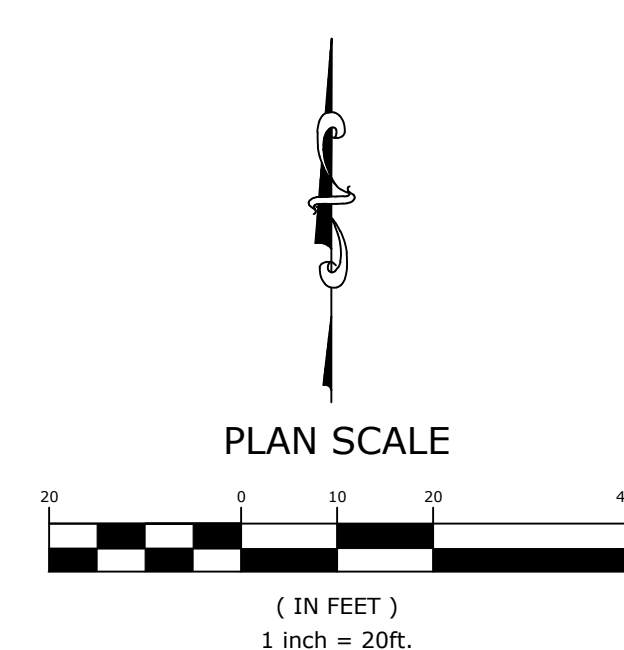
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TSU-3

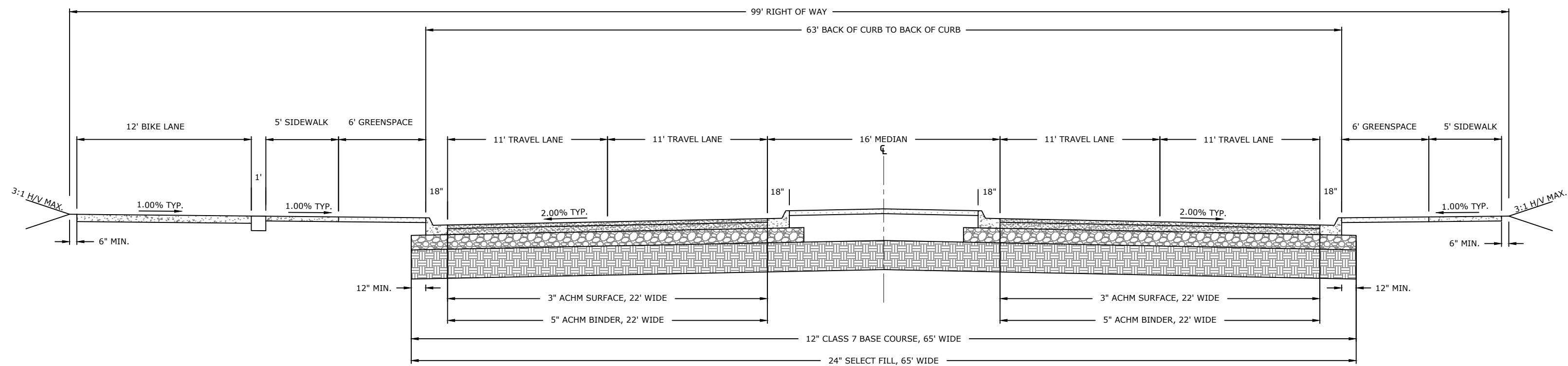


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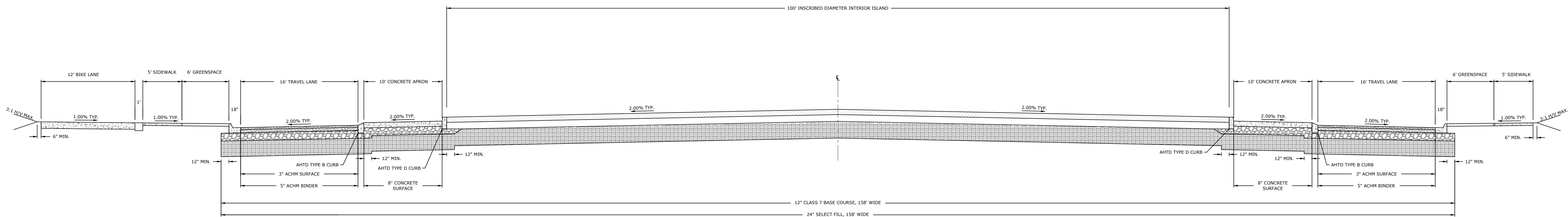
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	G	GAS LINE
	UT	UNDERGROUND TELEPHONE
	UFO	UNDERGROUND FIBER
	OHE	OVERHEAD ELECTRIC
	OHD	OVERHEAD UTILITY
		STORM DRAINAGE PIPE
	X	FENCE
	23+00	ROAD CENTERLINE
		DITCH FLOWLINE
	EX R/W	RIGHT OF WAY
		EASEMENT
		FIRE HYDRANT
		WATER METER
		WATER VALVE
		GAS VALVE
		PHONE MANHOLE
		WATER FAUCET
		POWER POLE
		GUY WIRE w/ ANCHOR
		GAS METER
		TELEPHONE PEDESTAL
		CABLE TV PEDESTAL
		SIGN (AS NOTED)
		POST (AS NOTED)
		CONTROL POINT
		BUSH
		TREE (TO REMAIN)
		TREE (TO BE REMOVED)



W:\2021\21-2147 - Water Tower Road Phase III. 8th St. To E. Battlfield Blvd\Design Drawings\Sheets\21-2147- Typical Sections.dwg, PRINTED ON: January 25, 2022 @ 8:48 AM



WATER TOWER ROAD 4-LANE W/
MEDIAN SECTION
(BASED ON STANDARD MASTER STREET PLAN SECTIONS
AND BIKE-PED CONNECT BENTONVILLE)



WATER TOWER ROAD
ROUNDBOUT SECTION

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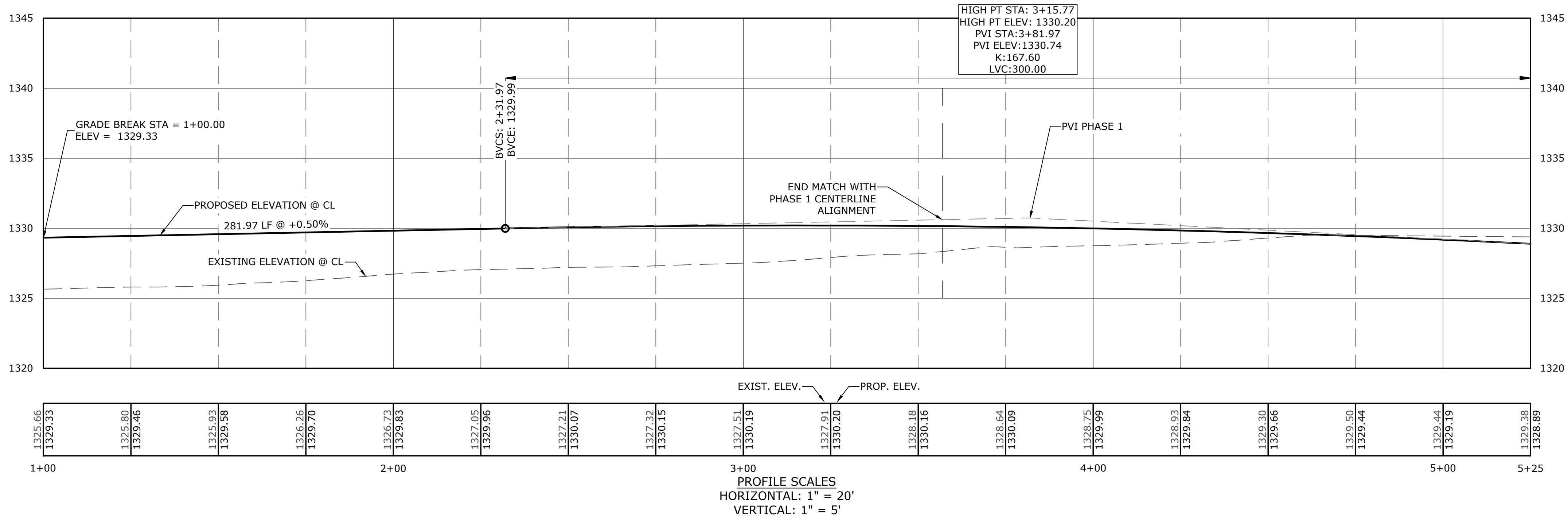
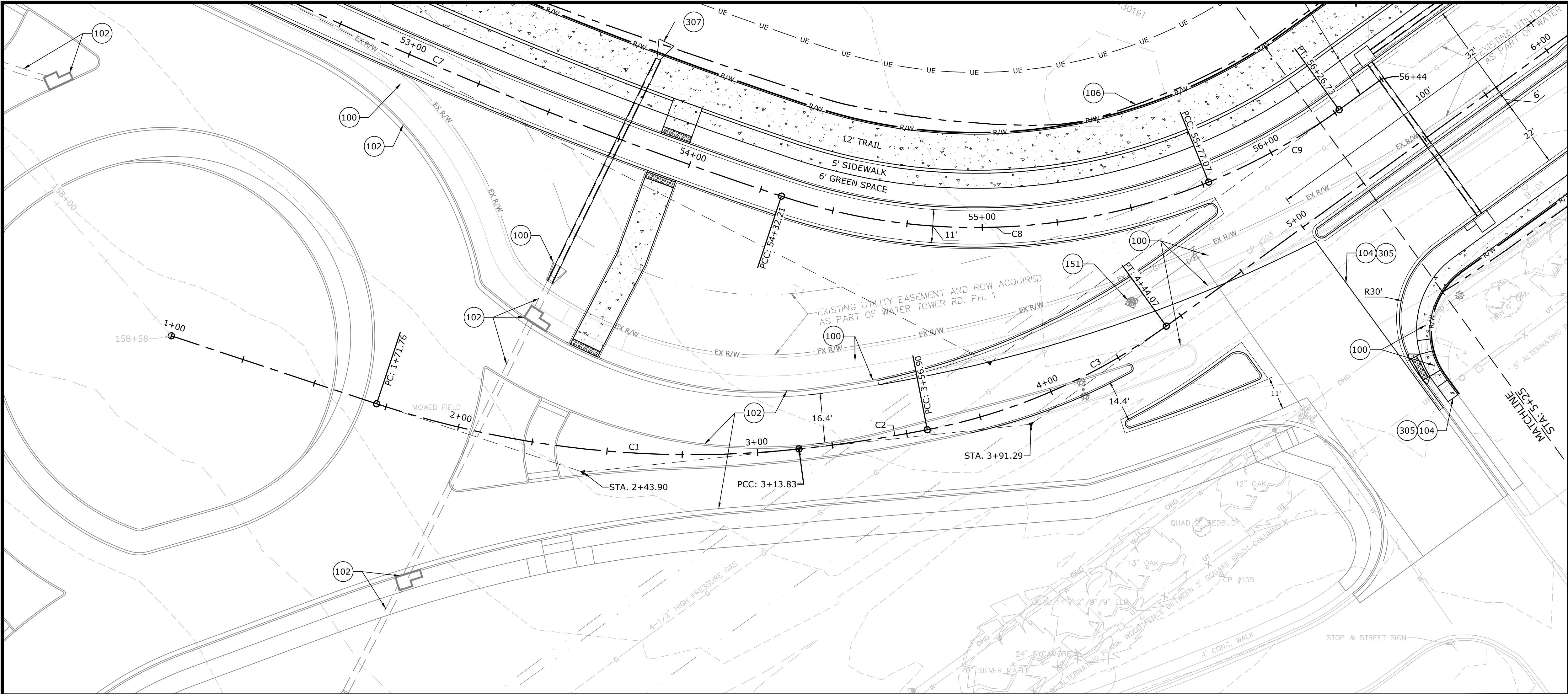
REVISIONS		DESCRIPTION
REV	DATE	

TYPICAL
SECTIONS-
WATER TOWER
ROAD

DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/25/2022	REVISION: 30%
SCALE: NTS	SHEET NUMBER: 21-2147

TS-1

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PROPOSED LEGEND

- CURB AND GUTTER
- CONCRETE PAVEMENT, SIDEWALK, AND TRAIL
- ASPHALT PAVEMENT
- GRAVEL DRIVEWAY
- STORM DRAIN STRUCTURE
- FLARED END SECTION
- STORM DRAIN
- CENTERLINE
- CATCHLINE / LIMIT OF GRADING
- BARBED WIRE FENCE
- RIGHT OF WAY
- UTILITY EASEMENT

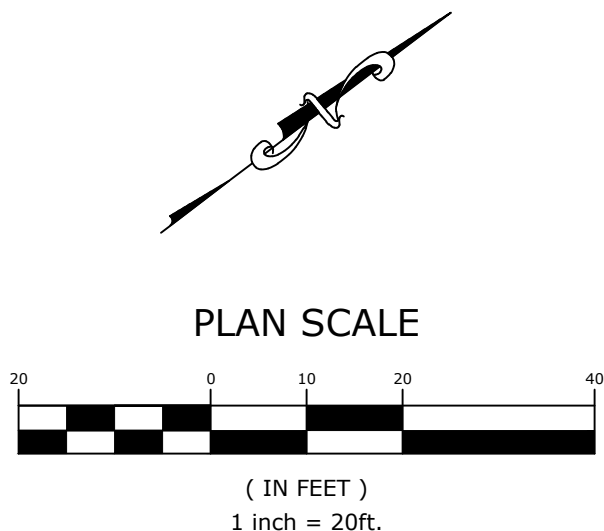
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- WATER LINE
- GAS LINE
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEVISION
- UNDERGROUND FIBER
- OVERHEAD ELECTRIC
- STORM DRAINAGE PIPE
- FENCE
- ROAD CENTERLINE
- DITCH FLOWLINE
- EASEMENT LINE
- GRAVEL LINE
- PHASE 1 CENTERLINE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WATER FAUCET
- SANITARY SEWER MH
- CLEAN-OUT
- DRAINAGE MH
- POWER POLE
- GUY WIRE w/ ANCHOR
- GAS METER
- GAS RISER
- STREET LIGHT POLE
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- SIGN (AS NOTED)
- POST (AS NOTED)
- BENCHMARK
- FOUND IRON PIN (AS NOTED)
- CONTROL POINT
- RR SPIKE
- BUSH
- TREE

KEYNOTES

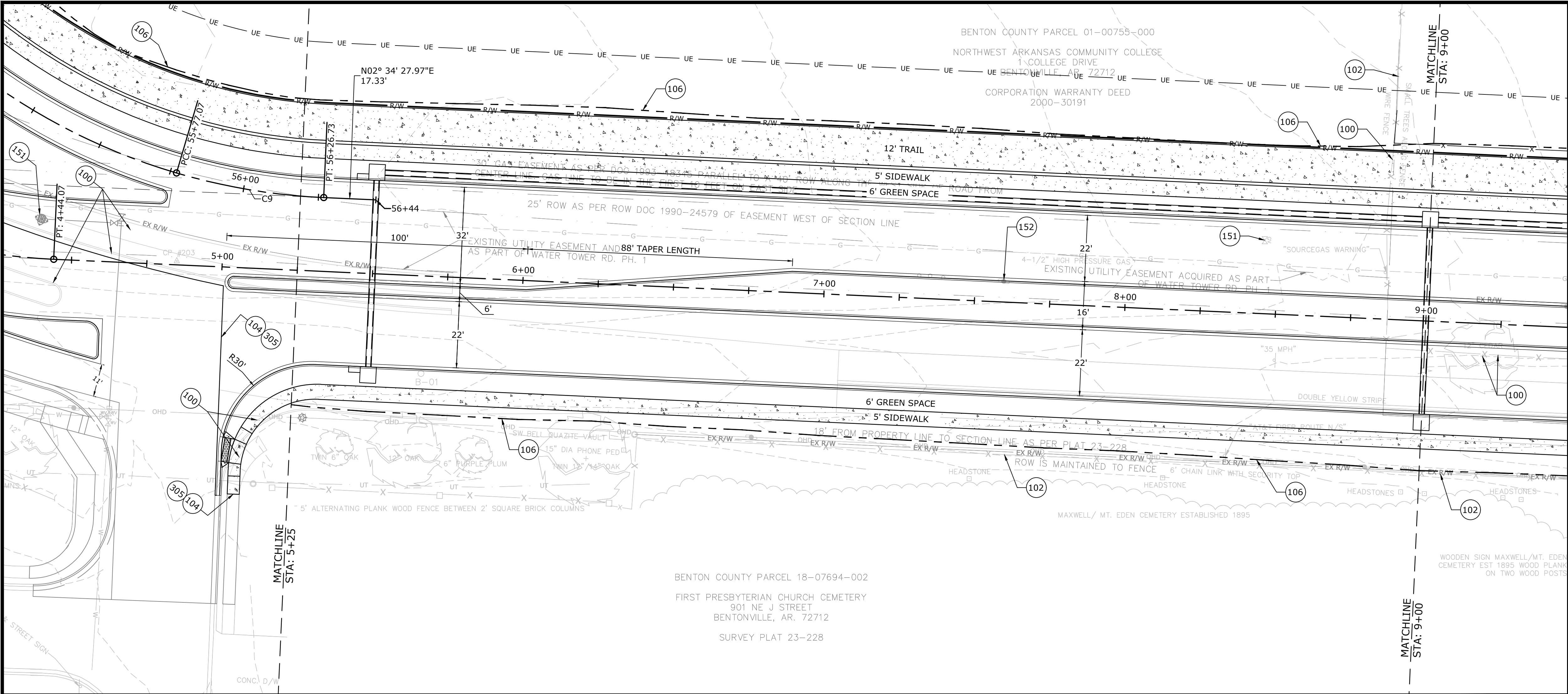
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- 101 EXISTING TO BE SALVAGED AND RETURNED TO THE OWNER
- 102 EXISTING TO REMAIN
- 103 EXISTING TO BE RELOCATED
- 104 LIMITS OF SAWCUT AND PAVEMENT REMOVAL
- 106 LIMITS OF DISTURBANCE
- 150 UTILITY LINE TO BE RELOCATED
- 151 UTILITY FACILITY TO BE RELOCATED
- 152 UTILITY POLE TO BE RELOCATED
- 305 MATCH EXISTING ELEVATION
- 307 FLARED END SECTION (TO MATCH PIPE MATERIAL)

ALIGNMENT CURVE TABLE				
CURVE #	RADIUS	CL	TL	DELTA
C1	333.00'	142.07'	72.13'	24°26'41"
C2	510.00'	43.06'	21.54'	4°50'16"
C3	200.00'	87.17'	44.29'	24°58'24"
C4	510.00'	364.19'	190.25'	40°54'53"
C5	200.00'	92.45'	47.07'	26°29'09"
C6	1797.97'	288.61'	144.61'	9°11'49"
C7	1485.00'	229.16'	114.81'	8°50'30"
C8	205.50'	144.87'	75.59'	40°23'25"
C9	205.50'	49.66'	24.95'	13°50'44"

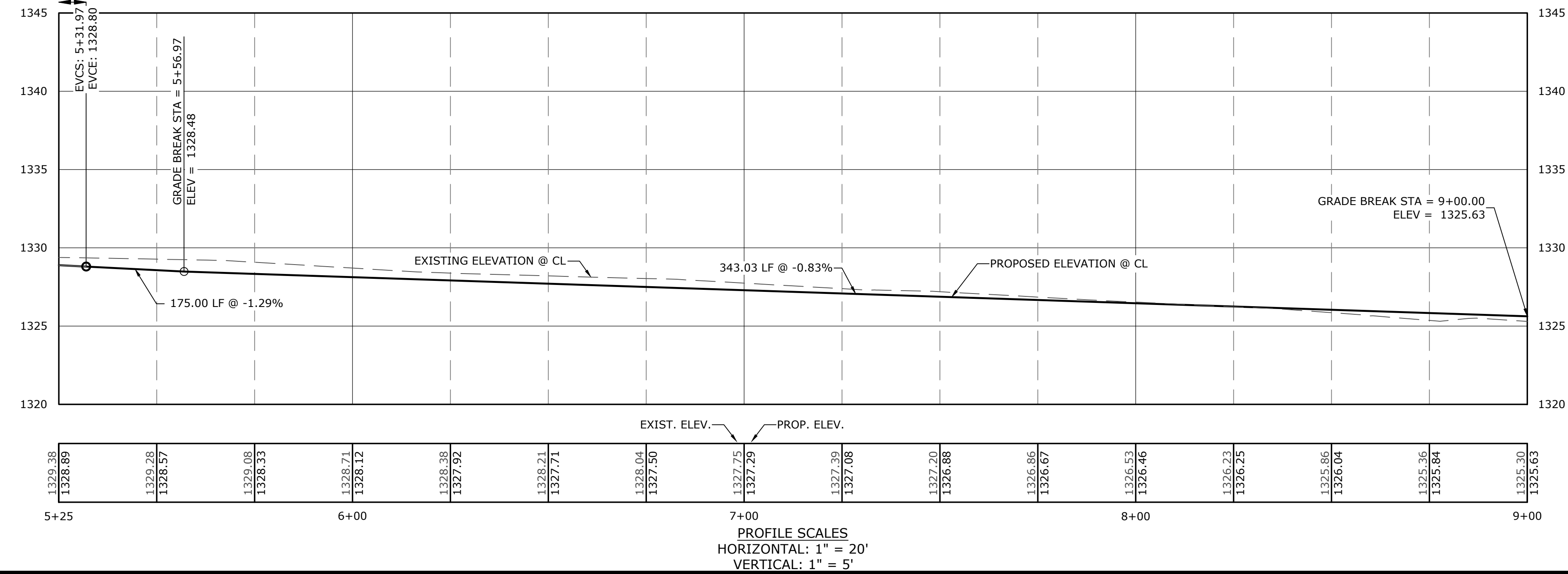


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HIGH PT STA: 3+15.77
HIGH PT ELEV: 1330.20
PVI STA: 3+81.97
PVI ELEV: 1330.74
K: 167.60
LVC: 300.00



PROPOSED LEGEND

- CURB AND GUTTER
- CONCRETE PAVEMENT, SIDEWALK, AND TRAIL
- ASPHALT PAVEMENT
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- CATCHLINE / LIMIT OF GRADING
- BARBED WIRE FENCE
- RIGHT OF WAY
- UTILITY EASEMENT

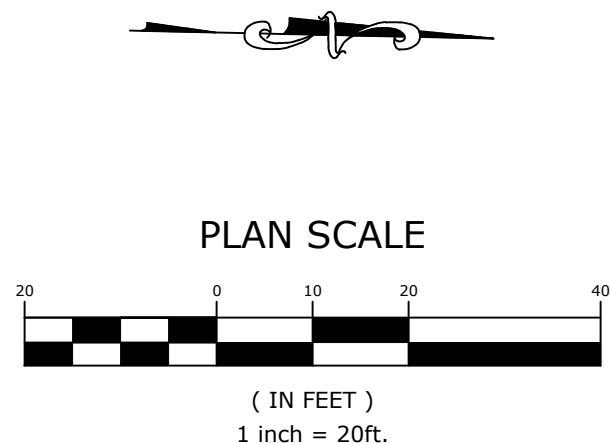
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- WA WATER LINE
- GAS GAS LINE
- UGT UNDERGROUND TELEPHONE
- UGE UNDERGROUND ELECTRIC
- UGTV UNDERGROUND TELEVISION
- UFO UNDERGROUND FIBER
- OHE OVERHEAD ELECTRIC
- SD STORM DRAINAGE PIPE
- FENCE FENCE
- ROAD CENTERLINE
- DITCH FLOWLINE
- EASEMENT LINE
- GRAVEL LINE
- PHASE 1 CENTERLINE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WATER FAUCET
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C7	1485.00'	229.16'	114.81'	8°50'30"
C8	205.50'	144.87'	75.59'	40°23'25"
C9	205.50'	49.66'	24.95'	13°50'44"



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BENTONVILLE, AR

BENTONVILLE
B
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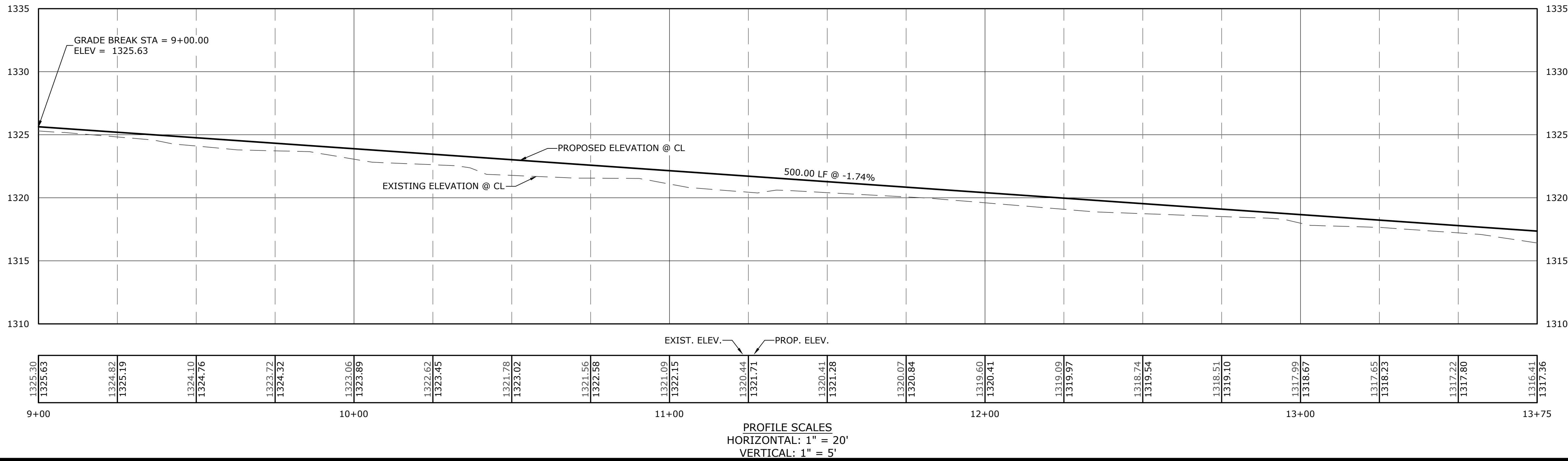
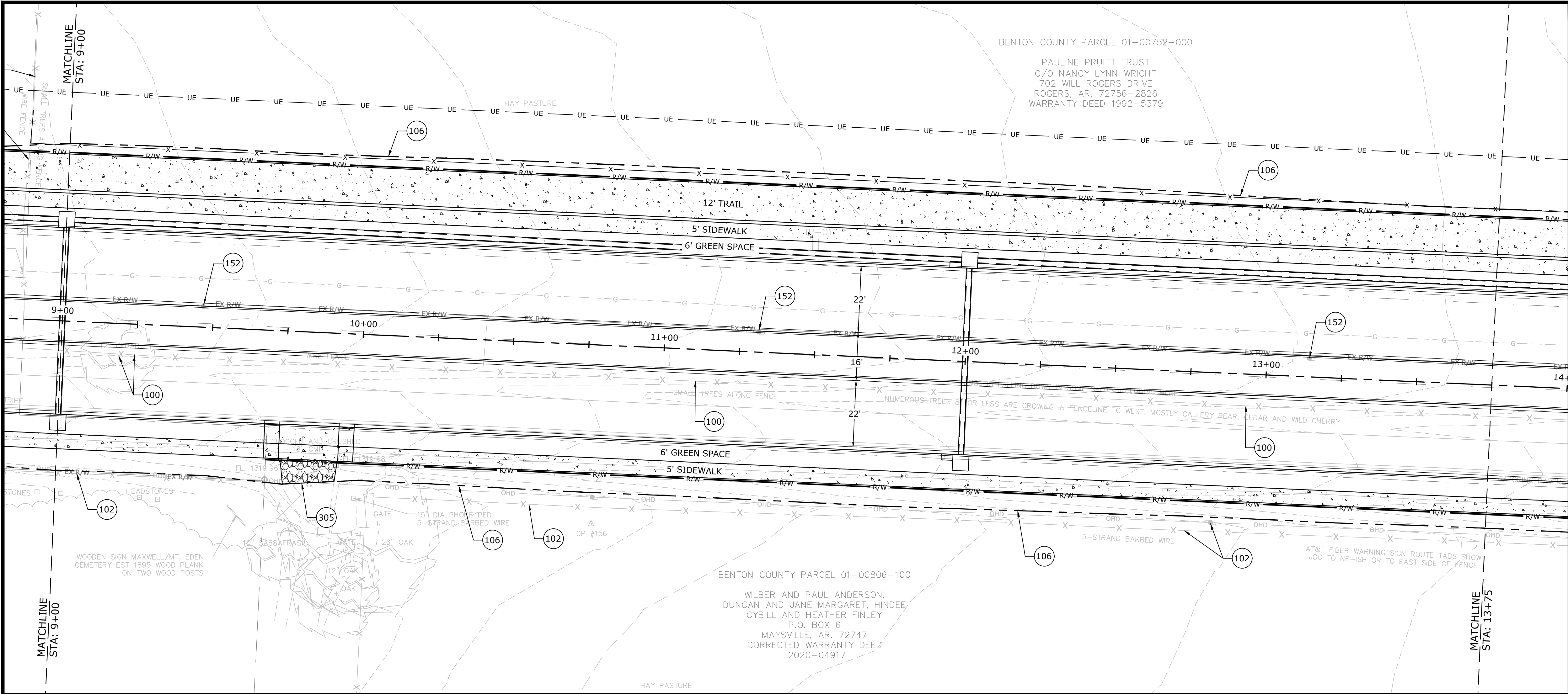
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SCALE: 1" = 20'

DRAWN BY: WAS
REVISION: 30%
JOB NUMBER: 21-2147

PP-2

W:\2021\21-2147 - Water Tower Road Phase III. 8th St. To E. Battlefield Blvd\Design Drawings\Sheets\21-2147- Plan & Profile.dwg, PRINTED ON: February 1, 2022 @ 4:30 PM



PROPOSED LEGEND

- CURB AND GUTTER
- CONCRETE PAVEMENT, SIDEWALK, AND TRAIL
- ASPHALT PAVEMENT
- GRAVEL DRIVEWAY
- STORM DRAIN STRUCTURE
- FLARED END SECTION
- STORM DRAIN
- CENTERLINE
- CATCHLINE / LIMIT OF GRADING
- BARBED WIRE FENCE
- RIGHT OF WAY
- UTILITY EASEMENT

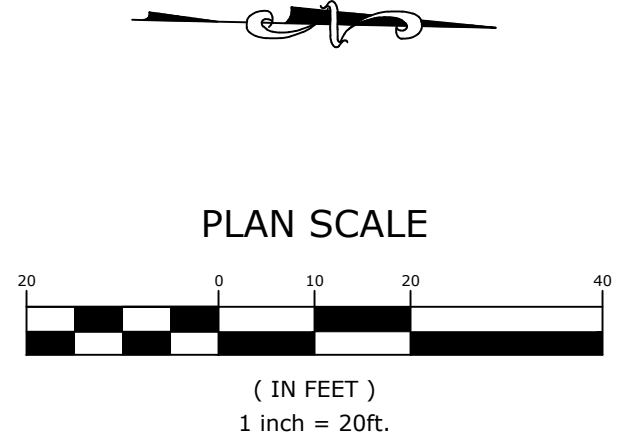
EXISTING LEGEND

- SS SANITARY SEWER LINE
- WA WATER LINE
- GA GAS LINE
- UGT UNDERGROUND TELEPHONE
- UGE UNDERGROUND ELECTRIC
- UGTV UNDERGROUND TELEVISION
- UFO UNDERGROUND FIBER
- OHE OVERHEAD ELECTRIC
- SDM STORM DRAINAGE PIPE
- FENCE
- ROAD CENTERLINE
- DITCH FLOWLINE
- EASEMENT LINE
- GRAVEL LINE
- PHASE 1 CENTERLINE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WATER FAUCET
- SANITARY SEWER MH
- CLEAN-OUT
- DRAINAGE MH
- POWER POLE
- GUY WIRE w/ ANCHOR
- GAS METER
- GAS RISER
- STREET LIGHT POLE
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- SIGN (AS NOTED)
- POST (AS NOTED)
- BENCHMARK
- FOUND IRON PIN (AS NOTED)
- CONTROL POINT
- RR SPIKE
- BUSH
- TREE

KEYNOTES

- 100 EXISTING TO BE REMOVED AND / OR DEMOLISHED
- 101 EXISTING TO BE SALVAGED AND RETURNED TO THE OWNER
- 102 EXISTING TO REMAIN
- 103 EXISTING TO BE RELOCATED
- 104 LIMITS OF SAWCUT AND PAVEMENT REMOVAL
- 106 LIMITS OF DISTURBANCE
- 150 UTILITY LINE TO BE RELOCATED
- 151 UTILITY FACILITY TO BE RELOCATED
- 152 UTILITY POLE TO BE RELOCATED
- 305 MATCH EXISTING ELEVATION
- 307 FLARED END SECTION (TO MATCH PIPE MATERIAL)

ALIGNMENT CURVE TABLE				
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C8	205.50'	144.87'	75.59'	40°23'25"
C9	205.50'	49.66'	24.95'	13°50'44"



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ORIGINAL SIGNATURE ON FILE

WATER TOWER RD. PH. 3
SE. 6TH ST. TO BATTLEFIELD BLVD
BENTONVILLE, AR



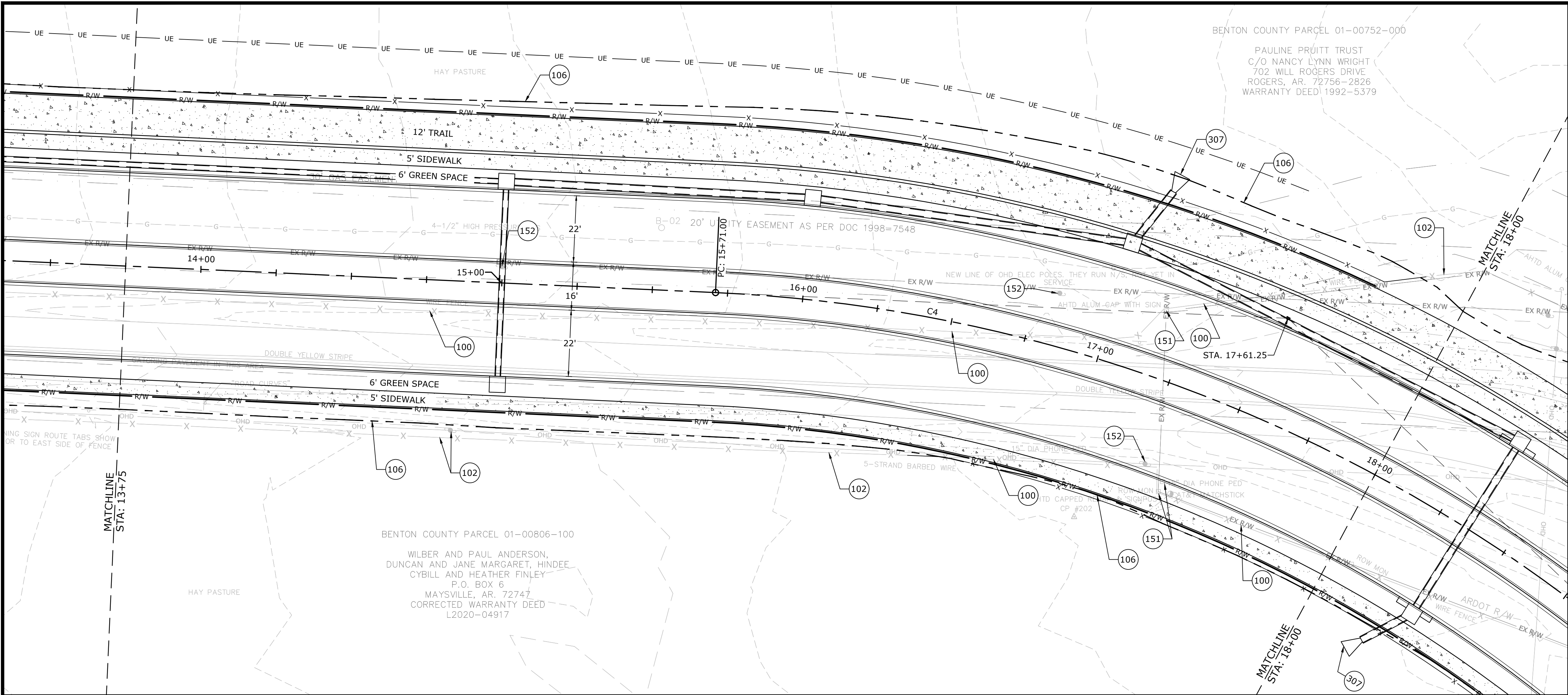
REVISIONS		DESCRIPTION	
REV	DATE	DESCRIPTION	DATE

PLAN AND
PROFILE
WATER TOWER
RD.- STA.
9+00 TO STA.
13+75

DESIGNED BY: ELA	DRAWN BY: WAS
DATE: 2/1/2022	REVISION: 30%
SCALE: 1" = 20'	JOB NUMBER: 21-2147

PP-3

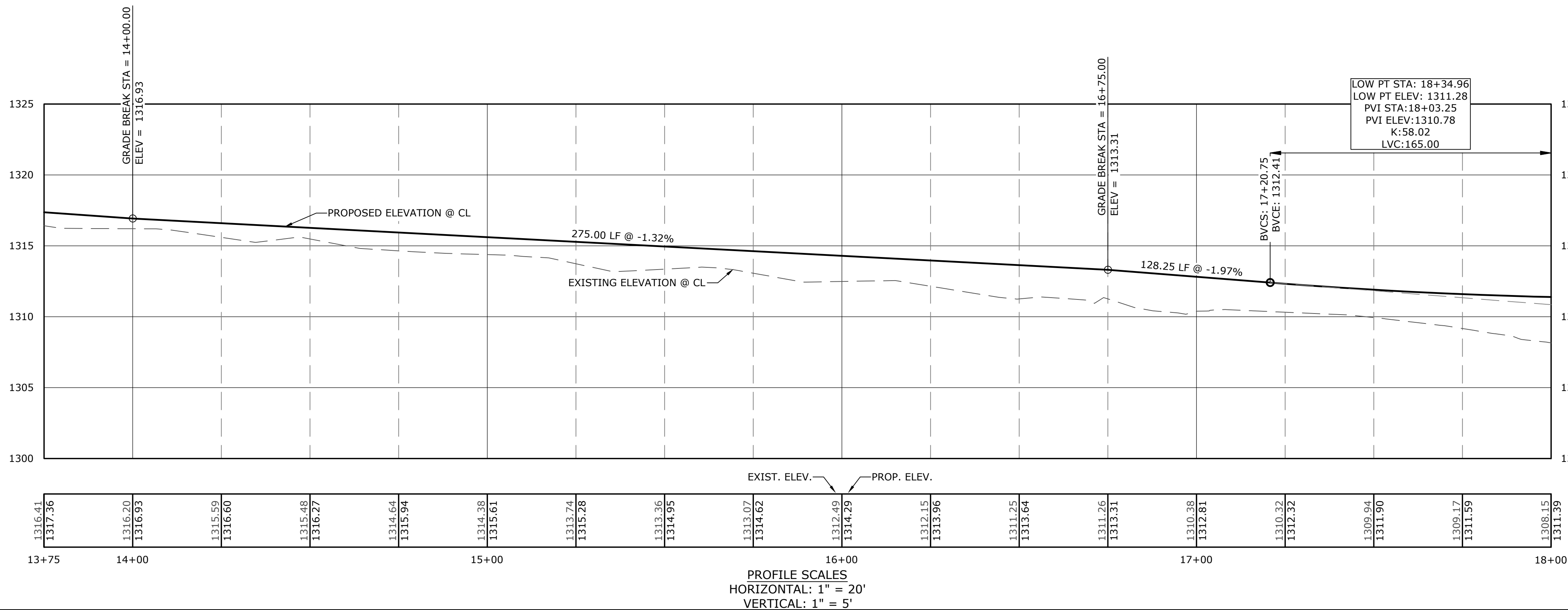
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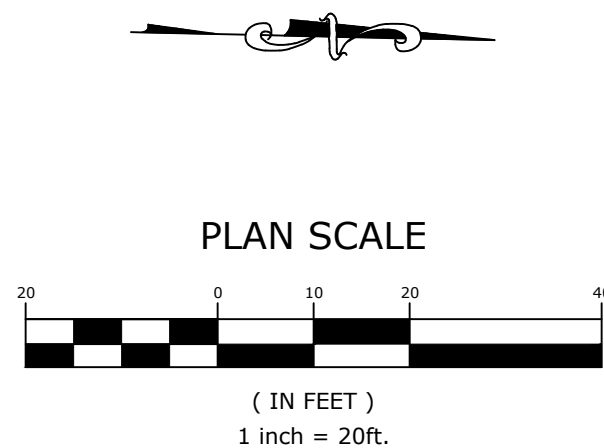
- PROPOSED LEGEND**
- CURB AND GUTTER
 - CONCRETE PAVEMENT, SIDEWALK, AND TRAIL
 - ASPHALT PAVEMENT
 - GRAVEL DRIVEWAY
 - STORM DRAIN STRUCTURE
 - FLARED END SECTION
 - STORM DRAIN
 - CENTERLINE
 - CATCHLINE / LIMIT OF GRADING
 - BARBED WIRE FENCE
 - RIGHT OF WAY
 - UTILITY EASEMENT

- EXISTING LEGEND**
- | | | | |
|------|------------------------|-----|---------------------------|
| SS | SANITARY SEWER LINE | W | WATER FAUCET |
| WA | WATER LINE | WS | SANITARY SEWER MH |
| GAS | GAS LINE | CO | CLEAN-OUT |
| UGT | UNDERGROUND TELEPHONE | DM | DRAINAGE MH |
| UGE | UNDERGROUND ELECTRIC | PP | POWER POLE |
| UGTV | UNDERGROUND TELEVISION | GW | GUY WIRE w/ ANCHOR |
| UFO | UNDERGROUND FIBER | GM | GAS METER |
| OHE | OVERHEAD ELECTRIC | GR | GAS RISER |
| OHD | OVERHEAD DRAINAGE PIPE | SLP | STREET LIGHT POLE |
| F | FENCE | TP | TELEPHONE PEDESTAL |
| RL | ROAD CENTERLINE | CTV | CABLE TV PEDESTAL |
| DF | DITCH FLOWLINE | SN | SIGN (AS NOTED) |
| EL | EASEMENT LINE | PS | POST (AS NOTED) |
| GL | GRAVEL LINE | B | BENCHMARK |
| PC | PHASE 1 CENTERLINE | FIP | FOUND IRON PIN (AS NOTED) |
| FH | FIRE HYDRANT | CP | CONTROL POINT |
| WM | WATER METER | RRS | RR SPIKE |
| WV | WATER VALVE | B | BUSH |
| | | T | TREE |

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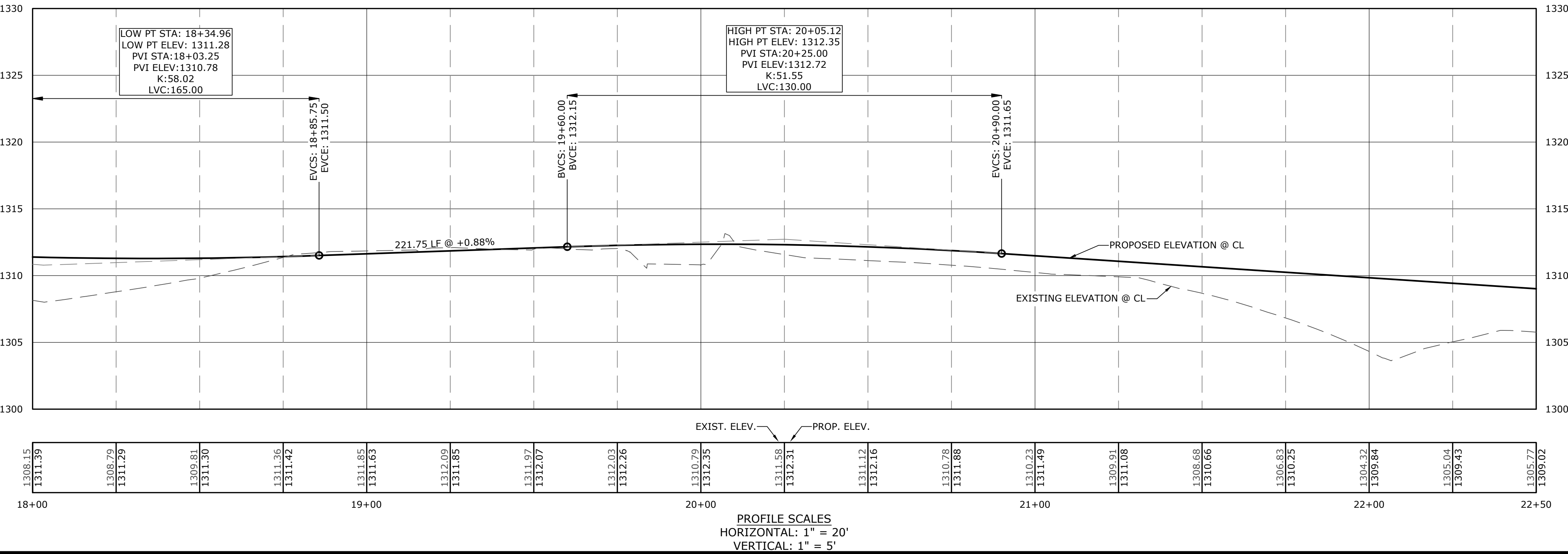
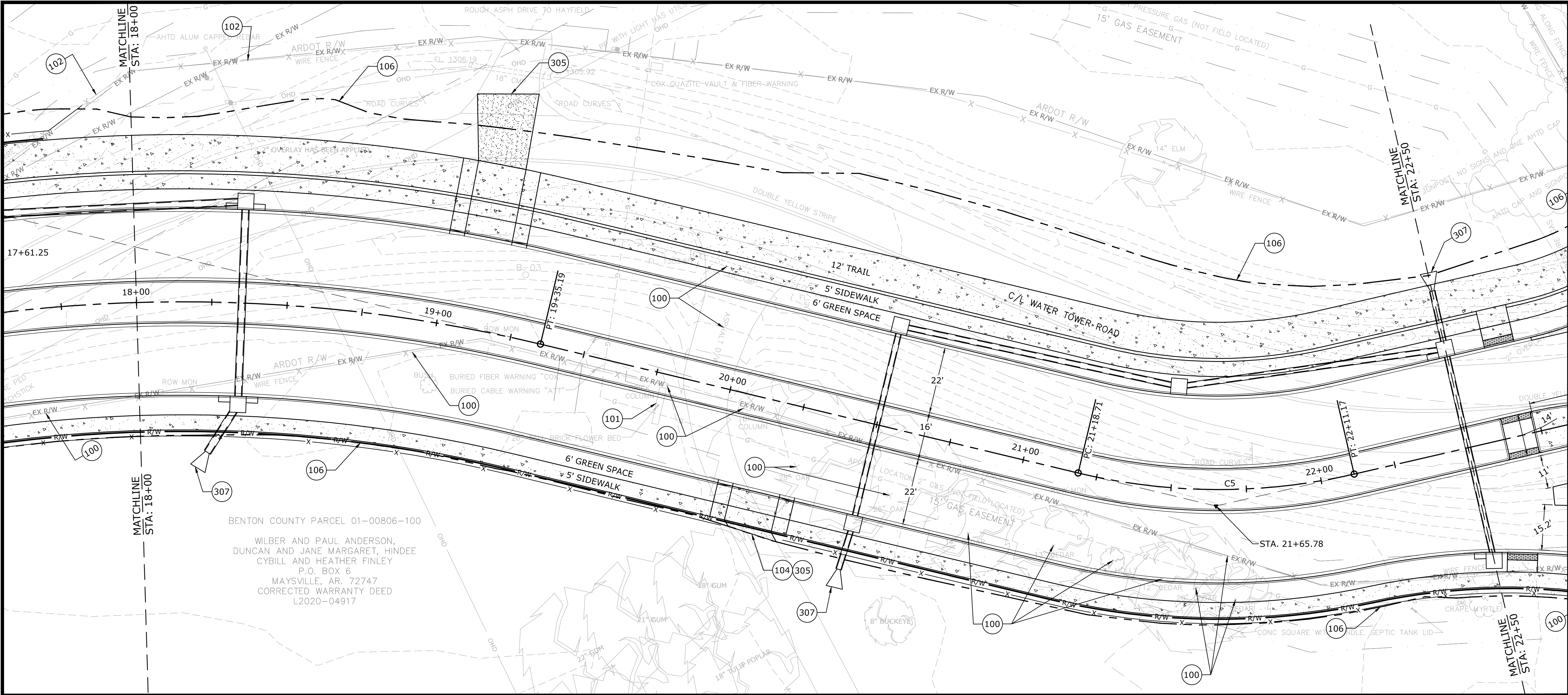


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REVISIONS			
REV	DATE	DESCRIPTION	

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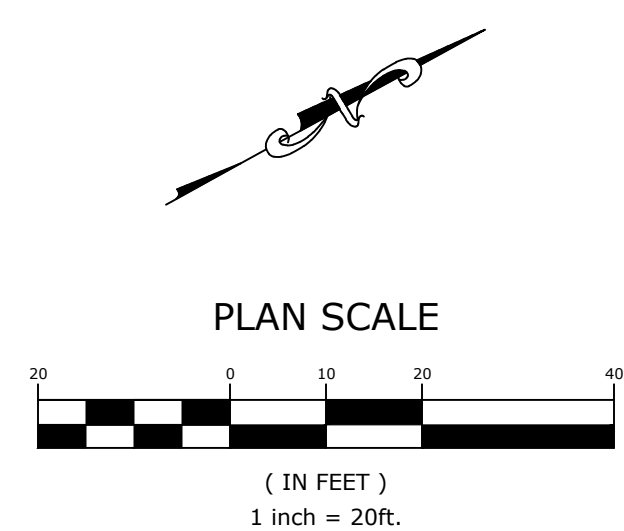
EXISTING LEGEND

- SS: SANITARY SEWER LINE
- WA: WATER LINE
- GAS: GAS LINE
- UGT: UNDERGROUND TELEPHONE
- UGE: UNDERGROUND ELECTRIC
- UGTV: UNDERGROUND TELEVISION
- UFO: UNDERGROUND FIBER
- OHE: OVERHEAD ELECTRIC
- SD: STORM DRAINAGE PIPE
- FENCE: FENCE
- ROAD CL: ROAD CENTERLINE
- DITCH FL: DITCH FLOWLINE
- EASEMENT: EASEMENT LINE
- GRAVEL: GRAVEL LINE
- PHASE 1 CL: PHASE 1 CENTERLINE
- FH: FIRE HYDRANT
- WM: WATER METER
- WV: WATER VALVE
- WF: WATER FAUCET
- SSMH: SANITARY SEWER MH
- CO: CLEAN-OUT
- DMH: DRAINAGE MH
- PP: POWER POLE
- GUY: GUY WIRE w/ ANCHOR
- GR: GAS RISER
- SLP: STREET LIGHT POLE
- TP: TELEPHONE PEDESTAL
- CTV: CABLE TV PEDESTAL
- SN: SIGN (AS NOTED)
- POST: POST (AS NOTED)
- BENCH: BENCHMARK
- FIP: FOUND IRON PIN (AS NOTED)
- CP: CONTROL POINT
- RRS: RR SPIKE
- BUSH: BUSH
- TREE: TREE

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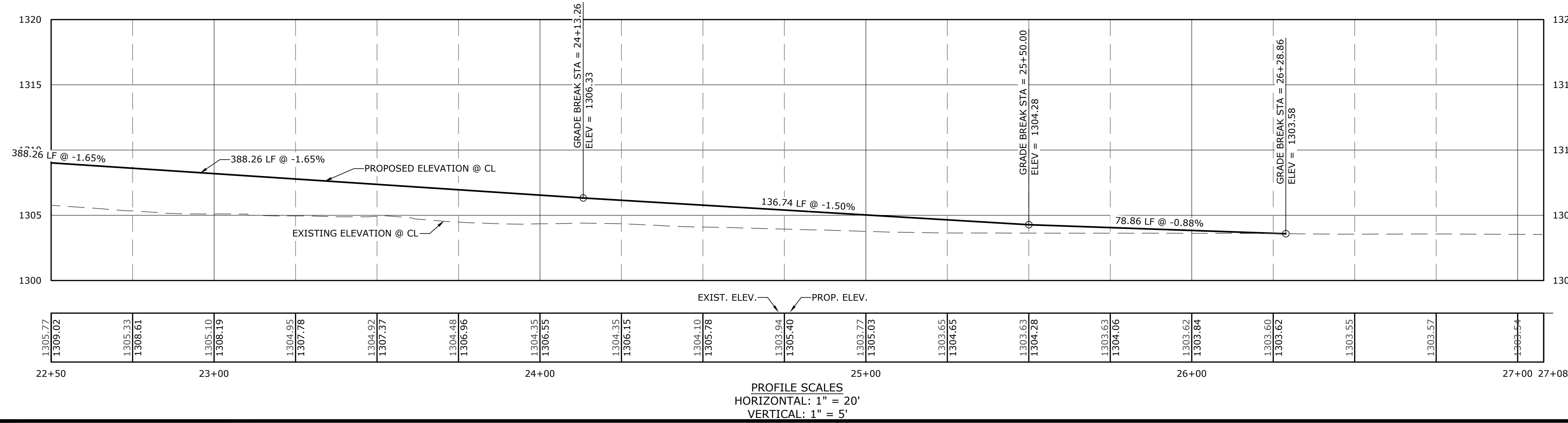
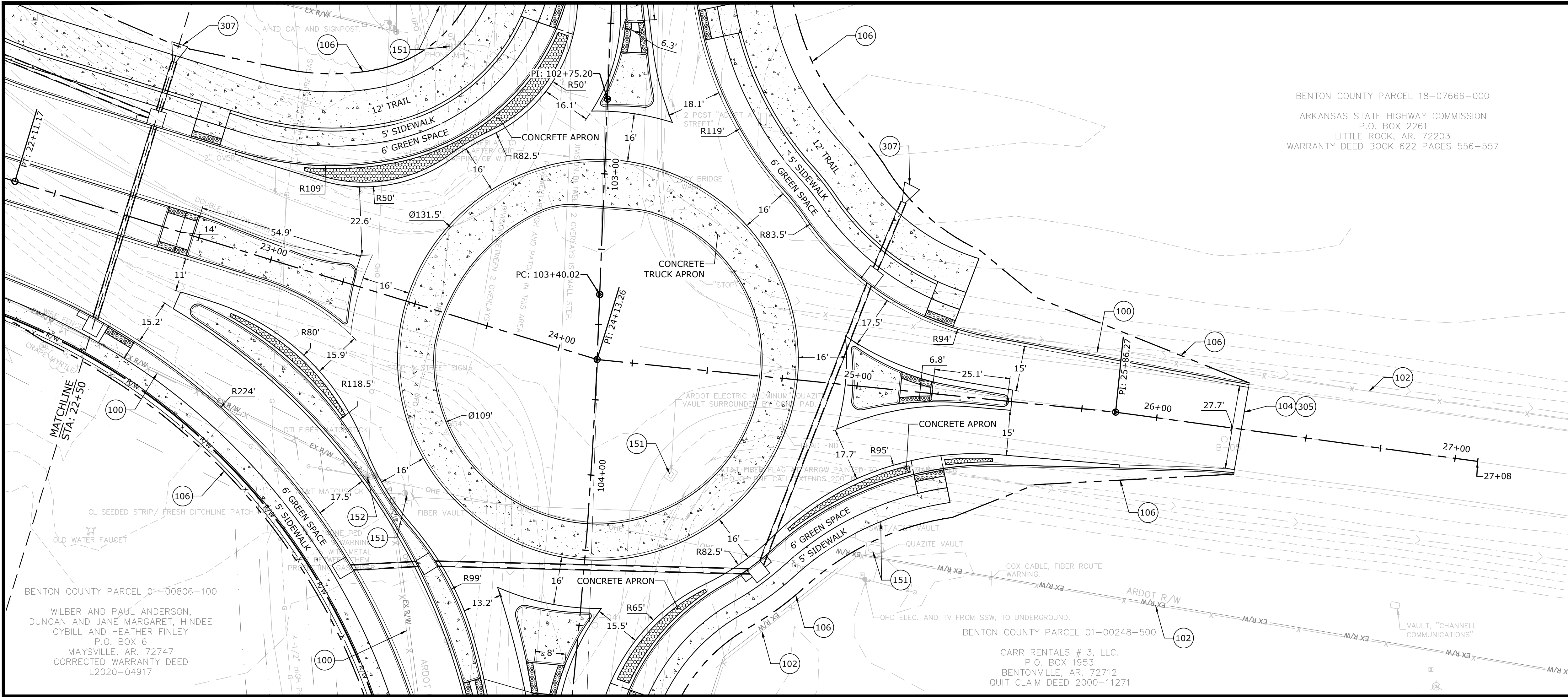
REVISIONS		DESCRIPTION	
REV	DATE	DESCRIPTION	

PLAN AND PROFILE
WATER TOWER
RD.- STA.
18+00 TO STA.
22+50

DESIGNED BY: ELA	DRAWN BY: WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: 1" = 20'	JOB NUMBER: 21-2147

PP-5

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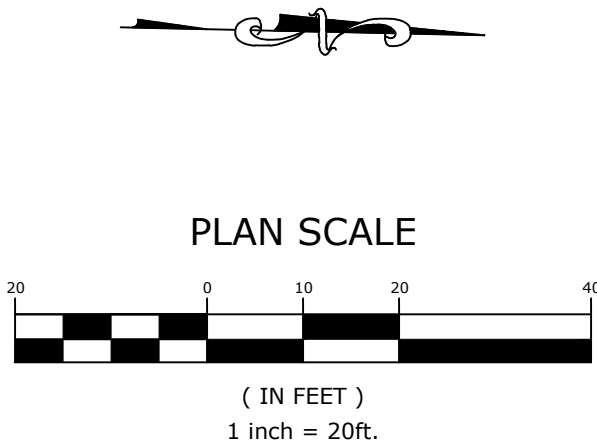


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BENTONVILLE, AR

BENTONVILLE ENGINEERING

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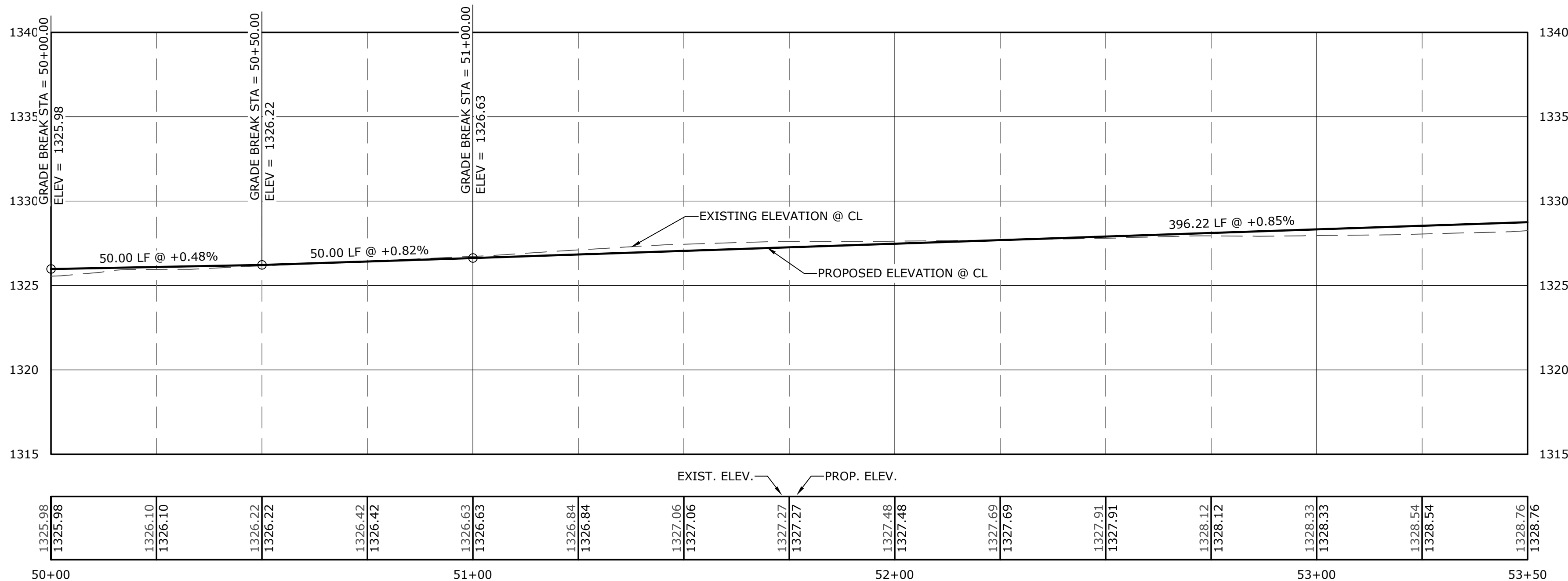
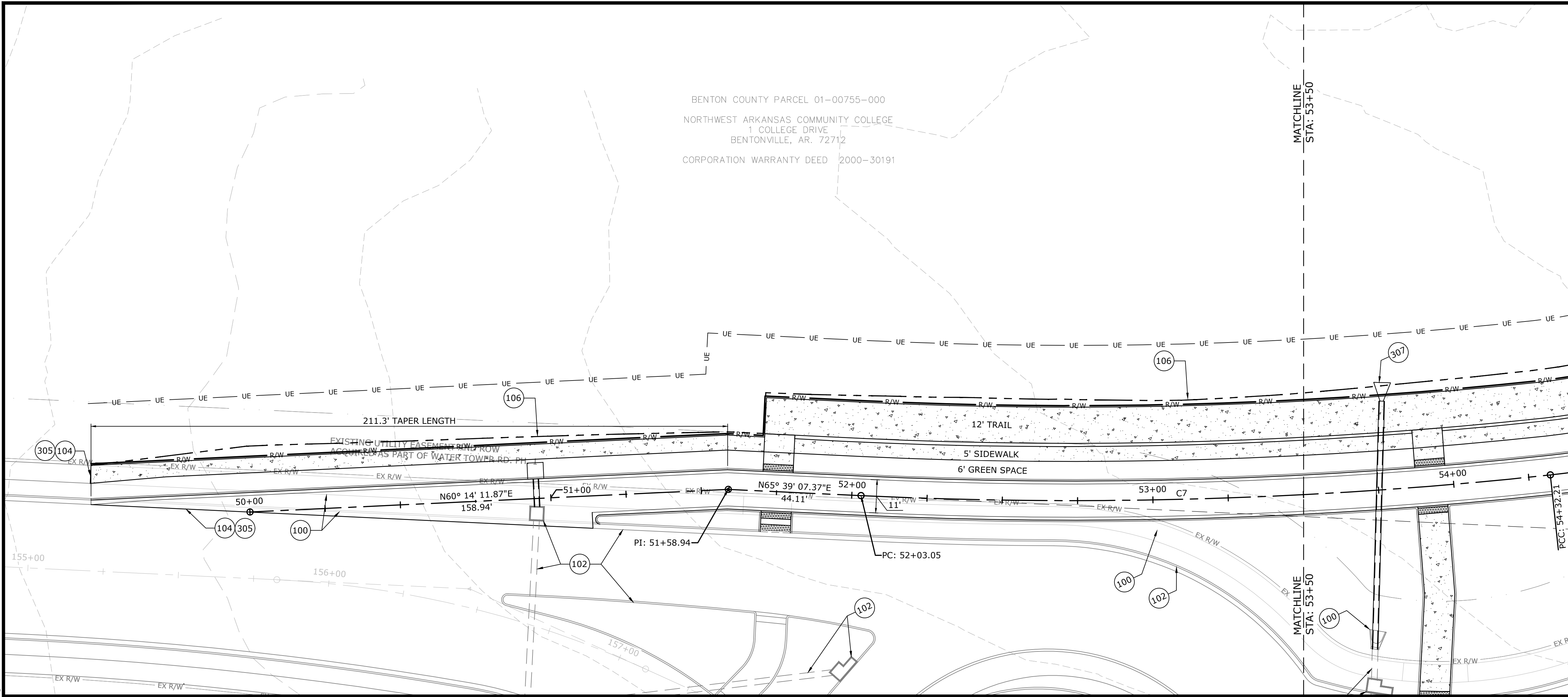
REVIEWS		DESCRIPTION	
REV	DATE		

PLAN AND PROFILE
WATER TOWER
RD.- STA.
22+50 TO STA.
27+08

DESIGNED BY: ELA	DRAWN BY: WAS
DATE: 2/2/2022	REVISION: 30%
SCALE: 1" = 20'	JOB NUMBER: 21-2147

PP-6

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- UE

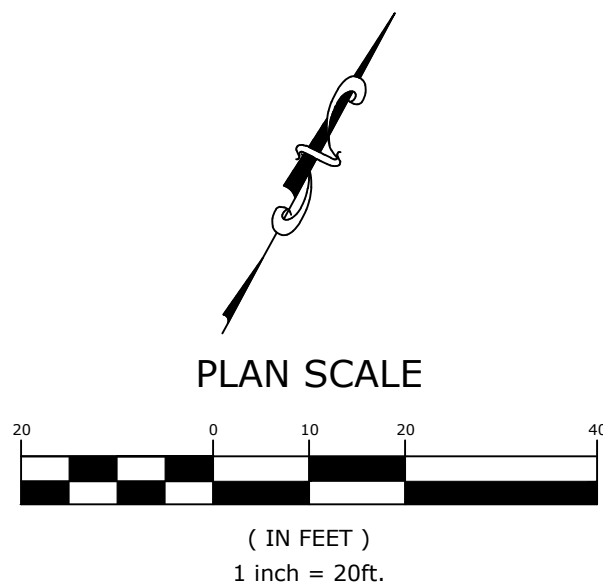
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BENTONVILLE, AR

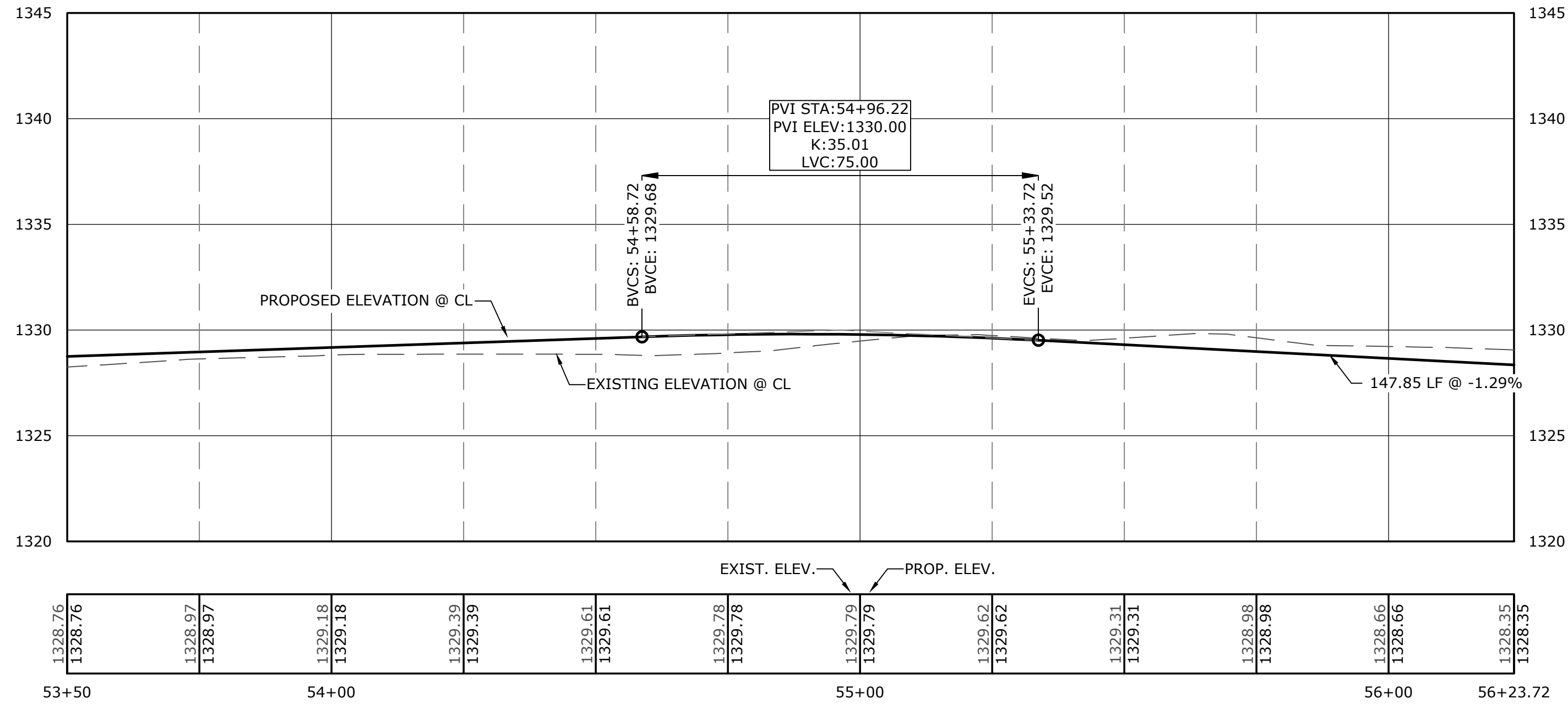
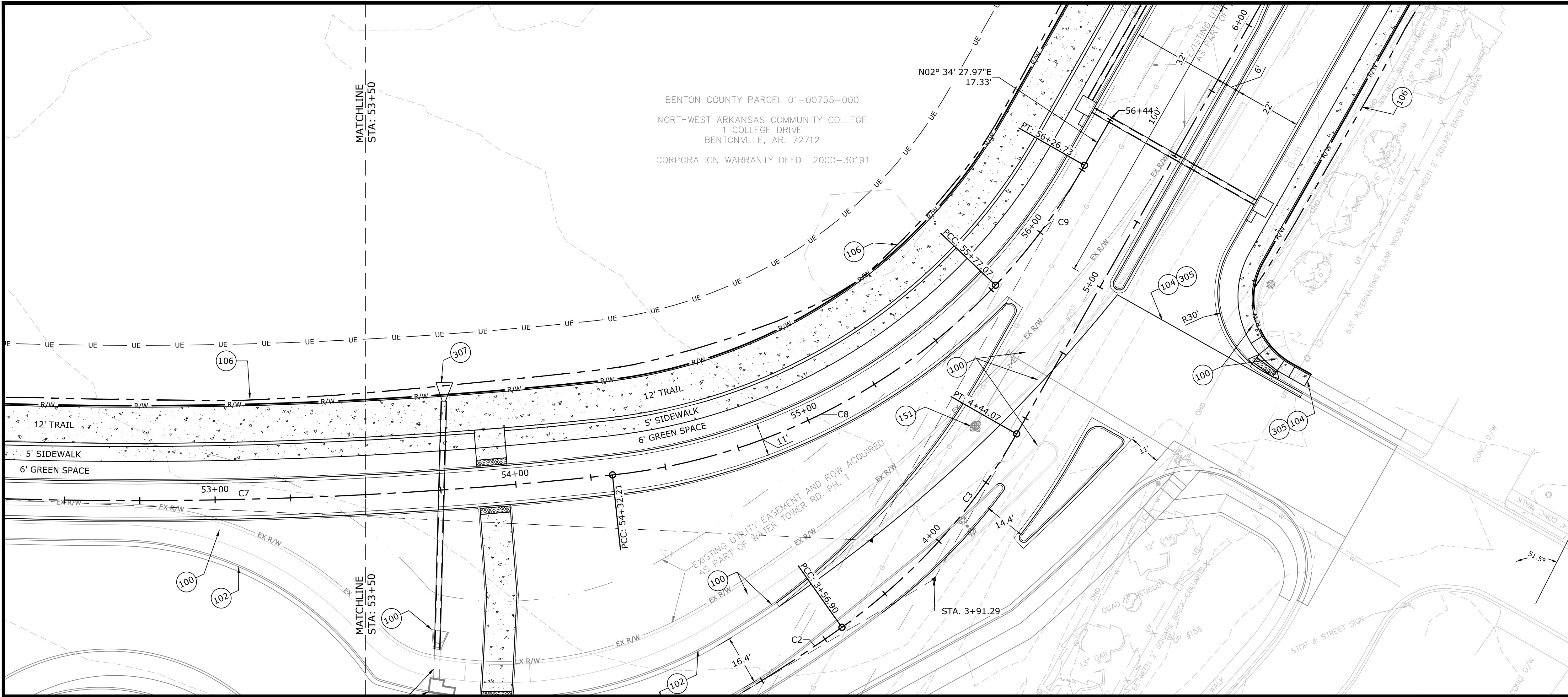


REVIEWS		DESCRIPTION	
REV	DATE	REV	DATE

PLAN AND
PROFILE SE.
8TH ST.
CONNECT.-
STA. 50+00
TO STA. 53+50

DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: 1" = 20'	JOB NUMBER: 21-2147

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PROPOSED LEGEND

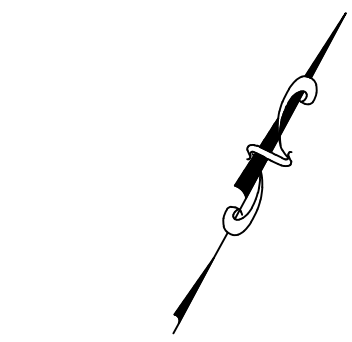
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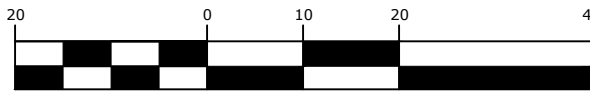
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PLAN SCALE

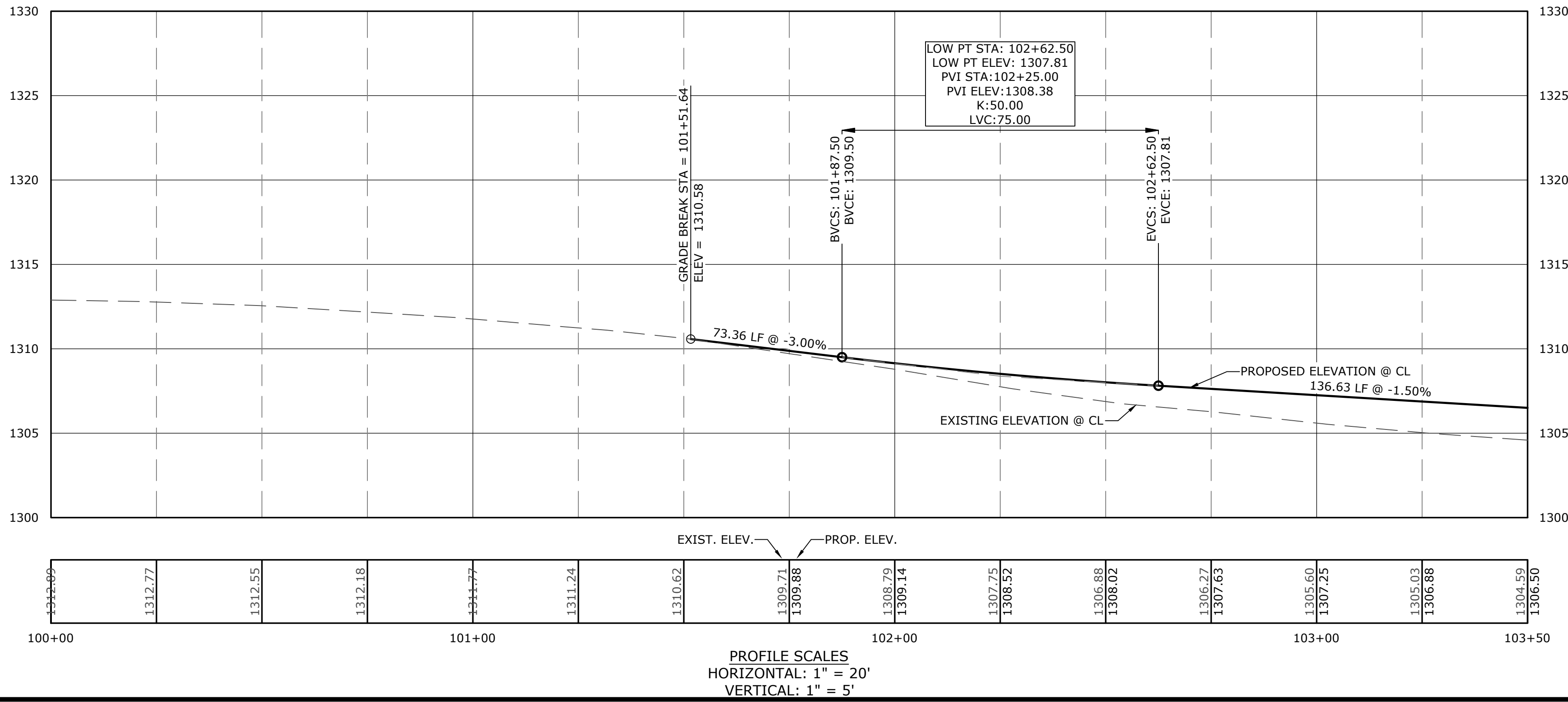
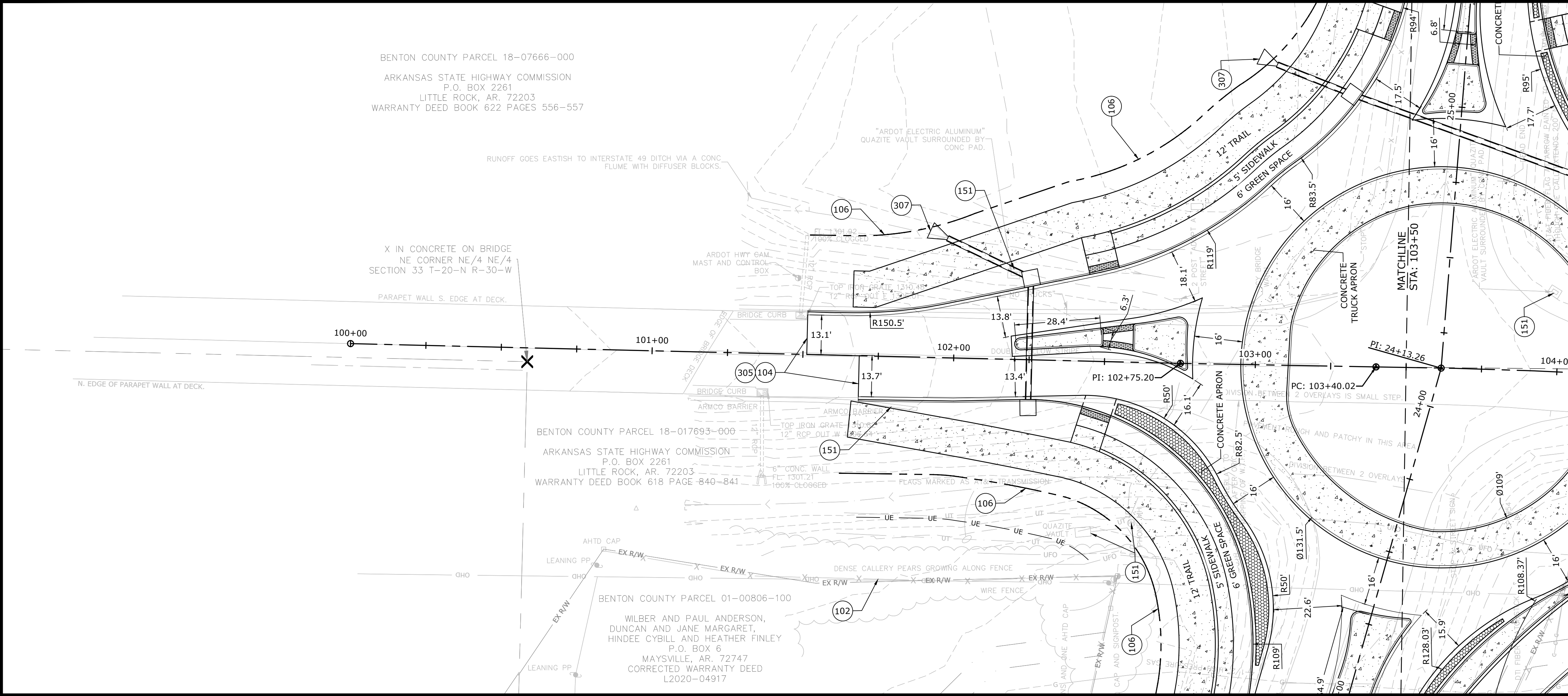


(IN FEET)
1 inch = 20ft.

ALIGNMENT CURVE TABLE				
CURVE #	RADIUS	CL	TL	DELTA
C1	333.00'	142.07'	72.13'	24°26'41"
C2	510.00'	43.06'	21.54'	4°50'16"
C3	200.00'	87.17'	44.29'	24°58'24"
C4	510.00'	364.19'	190.25'	40°54'53"
C5	200.00'	92.45'	47.07'	26°29'09"
C6	1797.97'	288.61'	144.61'	9°11'49"
C7	1485.00'	229.16'	114.81'	8°50'30"
C8	205.50'	144.87'	75.59'	40°23'25"
C9	205.50'	49.66'	24.95'	13°50'44"

REVISIONS		DESCRIPTION	
REV	DATE	DESCRIPTION	

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PROPOSED LEGEND

- CURB AND GUTTER
- CONCRETE PAVEMENT, SIDEWALK, AND TRAIL
- ASPHALT PAVEMENT
- GRAVEL DRIVEWAY
- STORM DRAIN STRUCTURE
- FLARED END SECTION
- STORM DRAIN
- CENTERLINE
- CATCHLINE / LIMIT OF GRADING
- BARBED WIRE FENCE
- RIGHT OF WAY
- UTILITY EASEMENT

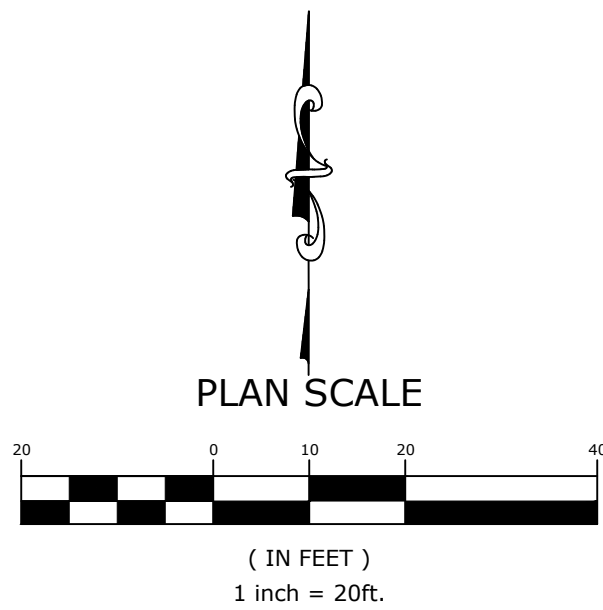
EXISTING LEGEND

- SS- SANITARY SEWER LINE
- WA- WATER LINE
- GAS- GAS LINE
- UGT- UNDERGROUND TELEPHONE
- UGE- UNDERGROUND ELECTRIC
- UGTV- UNDERGROUND TELEVISION
- UFO- UNDERGROUND FIBER
- OHE- OVERHEAD ELECTRIC
- SD- STORM DRAINAGE PIPE
- FENCE
- ROAD CENTERLINE
- DITCH FLOWLINE
- EASEMENT LINE
- GRAVEL LINE
- PHASE 1 CENTERLINE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WATER FAUCET
- SANITARY SEWER MH
- CLEAN-OUT
- DRAINAGE MH
- POWER POLE
- GUY WIRE W/ ANCHOR
- GAS METER
- GAS RISER
- STREET LIGHT POLE
- TELEPHONE PEDESTAL
- CABLE TV PEDESTAL
- SIGN (AS NOTED)
- POST (AS NOTED)
- BENCHMARK
- FOUND IRON PIN (AS NOTED)
- CONTROL POINT
- RR SPIKE
- BUSH
- TREE

KEYNOTES

- 100 EXISTING TO BE REMOVED AND / OR DEMOLISHED
- 101 EXISTING TO BE SALVAGED AND RETURNED TO THE OWNER
- 102 EXISTING TO REMAIN
- 103 EXISTING TO BE RELOCATED
- 104 LIMITS OF SAWCUT AND PAVEMENT REMOVAL
- 106 LIMITS OF DISTURBANCE
- 150 UTILITY LINE TO BE RELOCATED
- 151 UTILITY FACILITY TO BE RELOCATED
- 152 UTILITY POLE TO BE RELOCATED
- 305 MATCH EXISTING ELEVATION
- 307 FLARED END SECTION (TO MATCH PIPE MATERIAL)

ALIGNMENT CURVE TABLE				
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WATER TOWER RD. PH. 3
SE. 6TH ST. TO BATTLEFIELD BLVD.
BENTONVILLE, AR

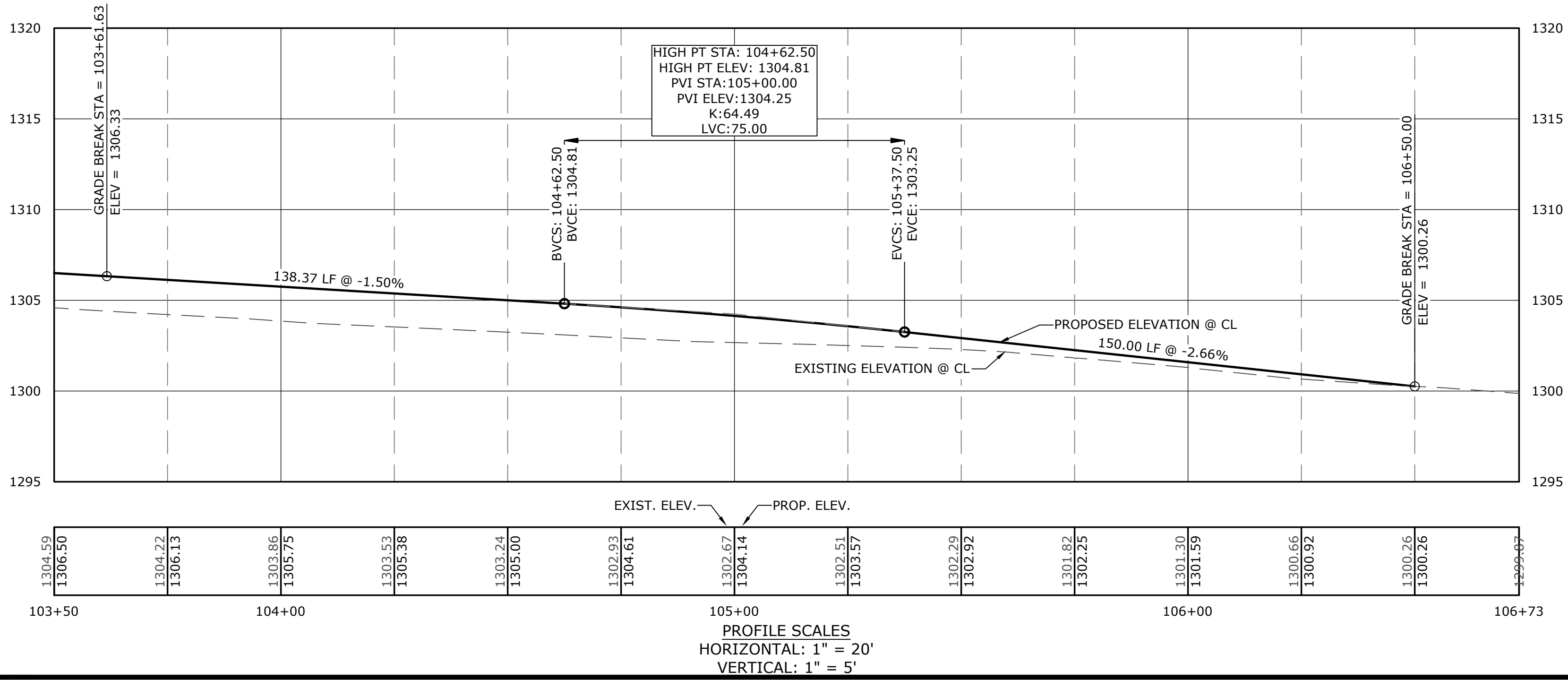
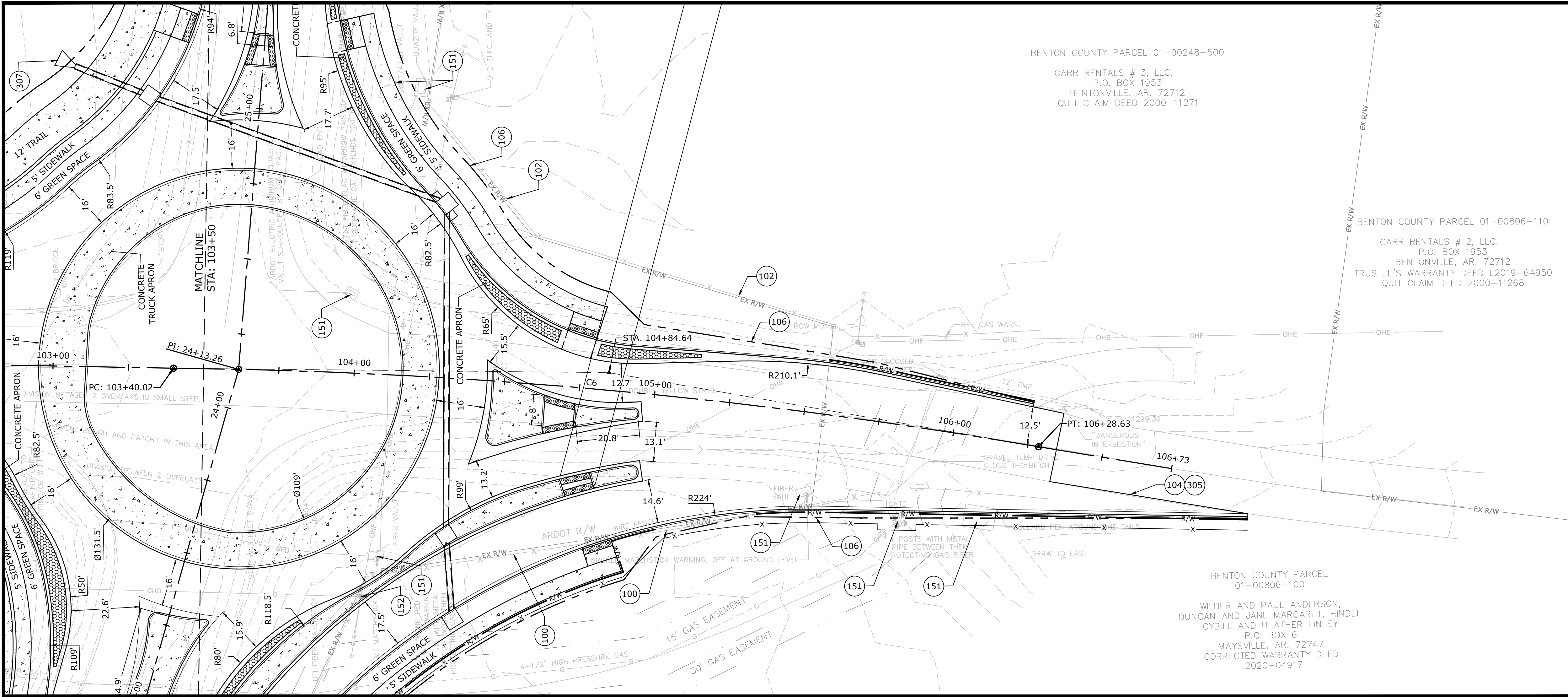


REVIEWS		DESCRIPTION	
REV	DATE		

PLAN AND
PROFILE
BATTLEFIELD
BLVD.- STA.
100+00 TO
STA. 103+50

DESIGNED BY: ELA	DRAWN BY: WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: 1" = 20'	JOB NUMBER: 21-2147

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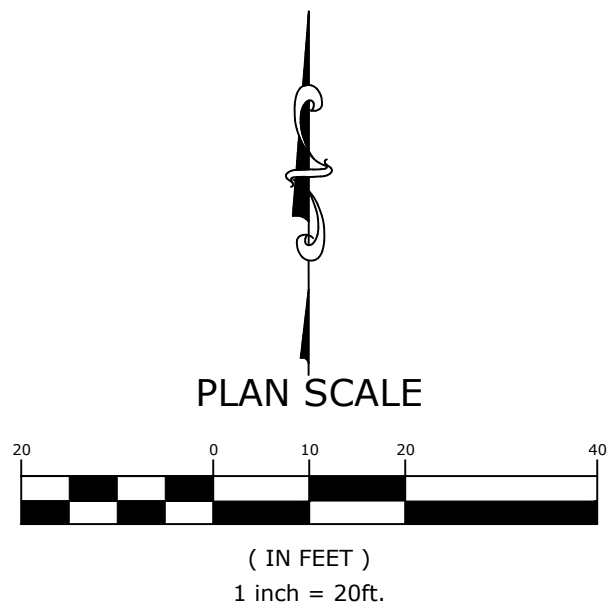


- PROPOSED LEGEND**
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 - ASPHALT PAVEMENT
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 - WATER METER
 - WATER VALVE
 - WT - WATER FAUCET
 - SMH - SANITARY SEWER MH
 - CO - CLEAN-OUT
 - DMH - DRAINAGE MH
 - PP - POWER POLE
 - GWA - GUY WIRE W/ ANCHOR
 - GM - GAS METER
 - GR - GAS RISER
 - SLLP - STREET LIGHT POLE
 - TP - TELEPHONE PEDESTAL
 - CTP - CABLE TV PEDESTAL
 - SN - SIGN (AS NOTED)
 - PS - POST (AS NOTED)
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 - FIP - FOUND IRON PIN (AS NOTED)
 - CP - CONTROL POINT
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 - B - BUSH
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- KEYNOTES**
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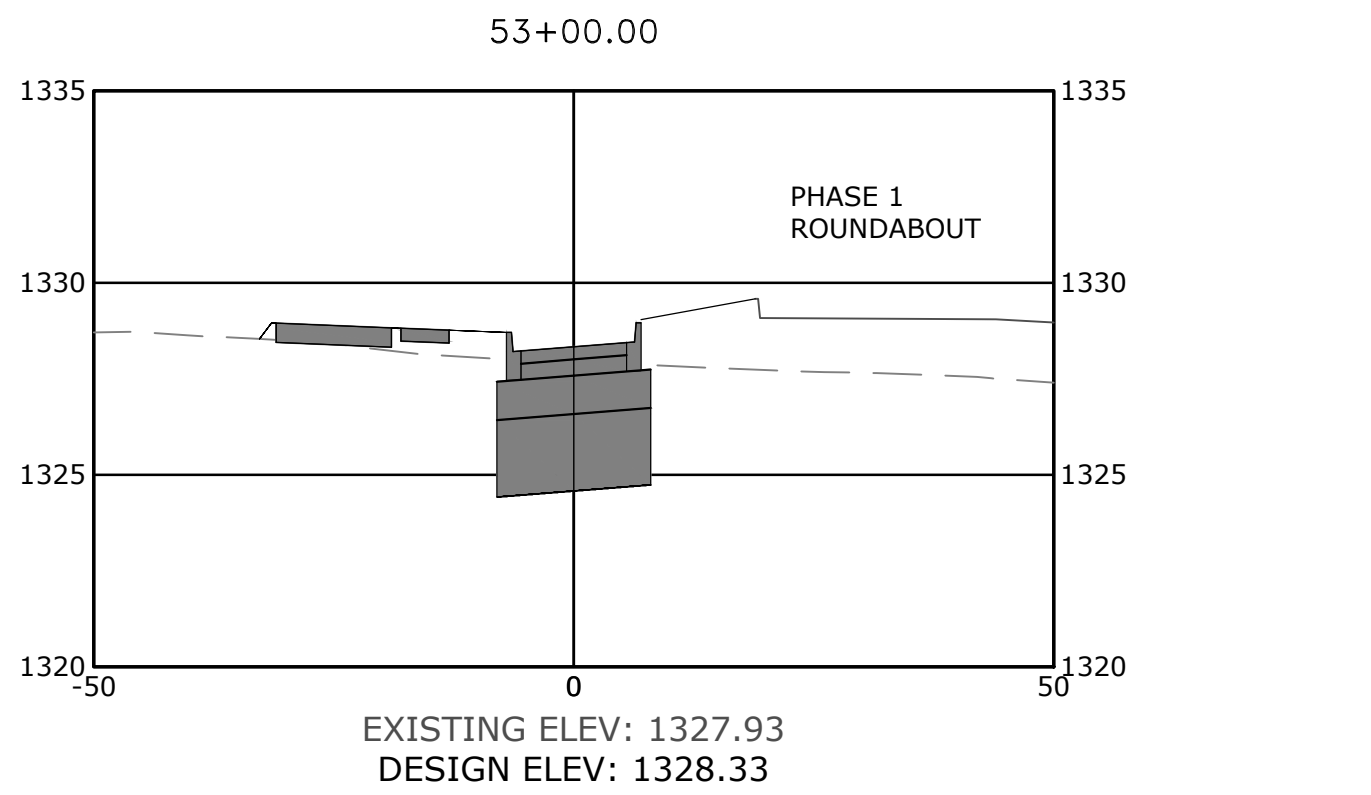
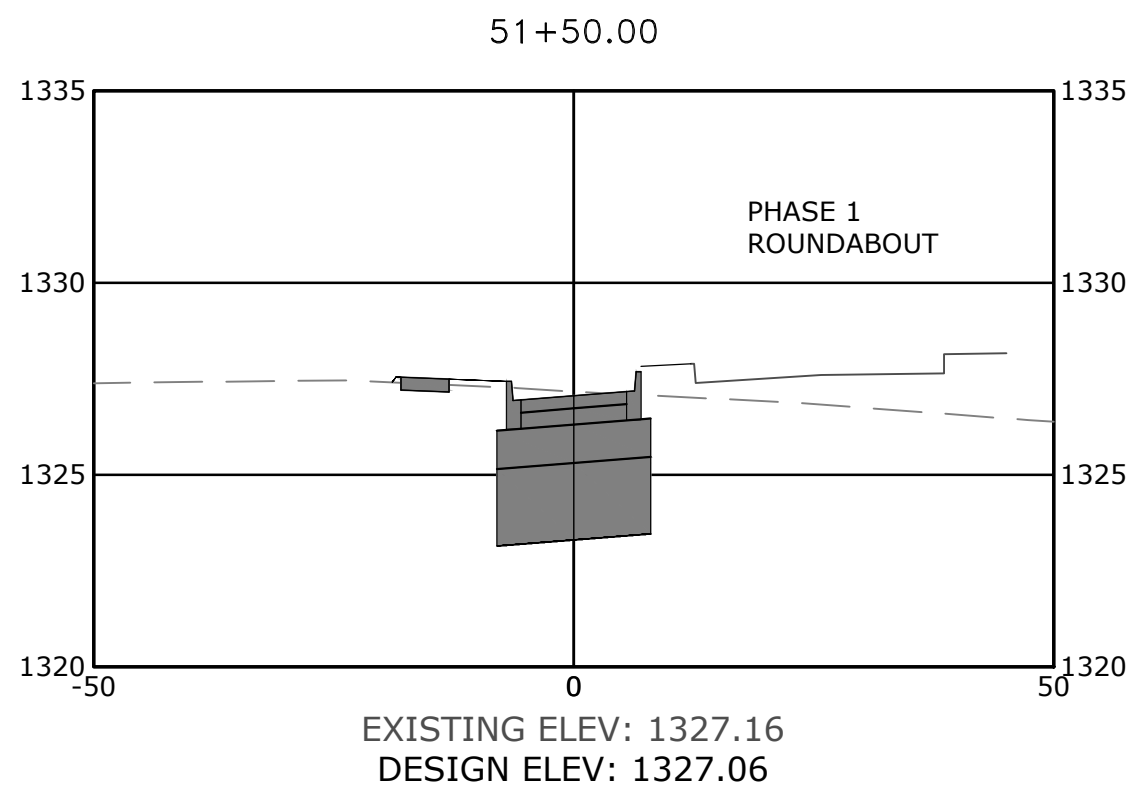
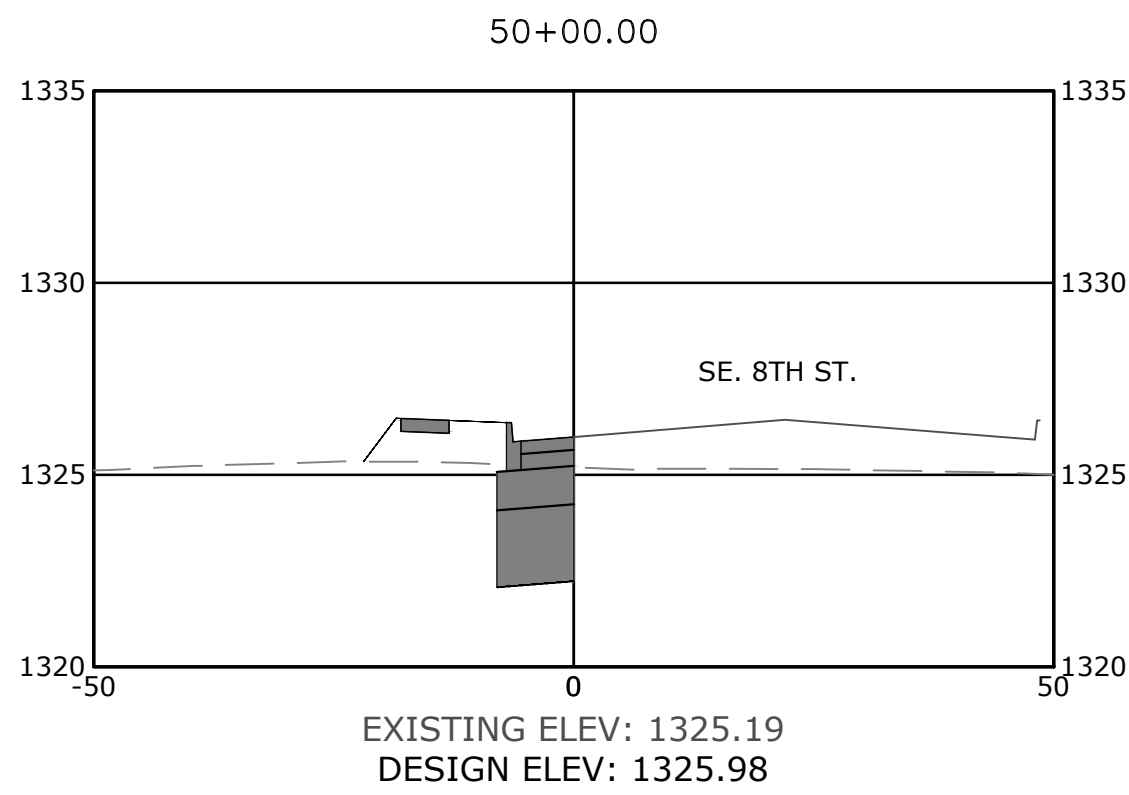
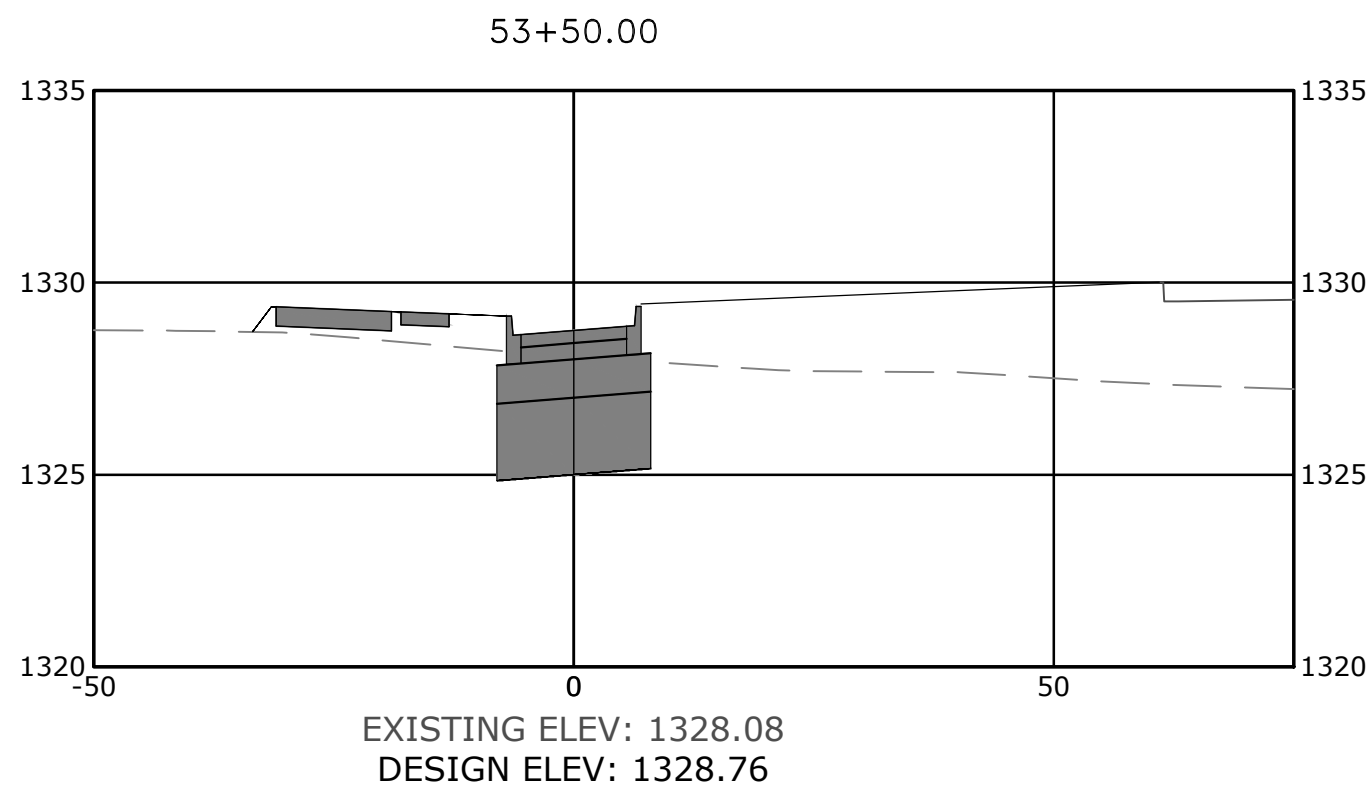
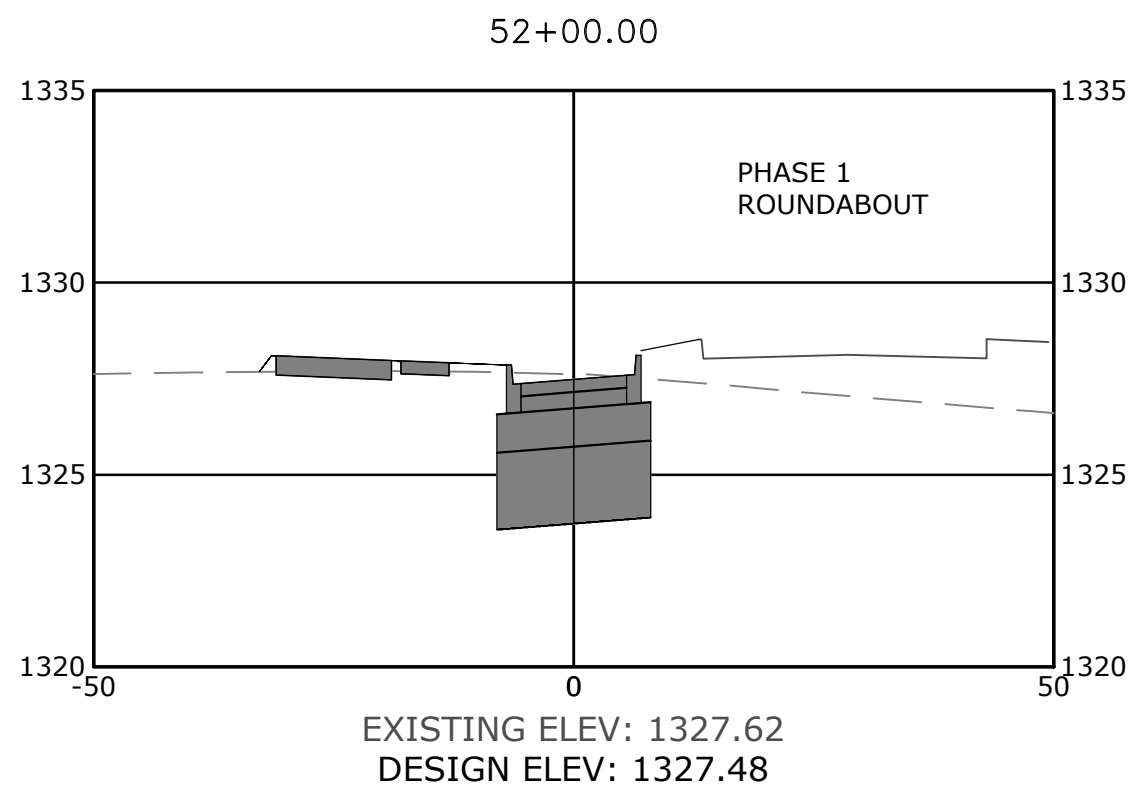
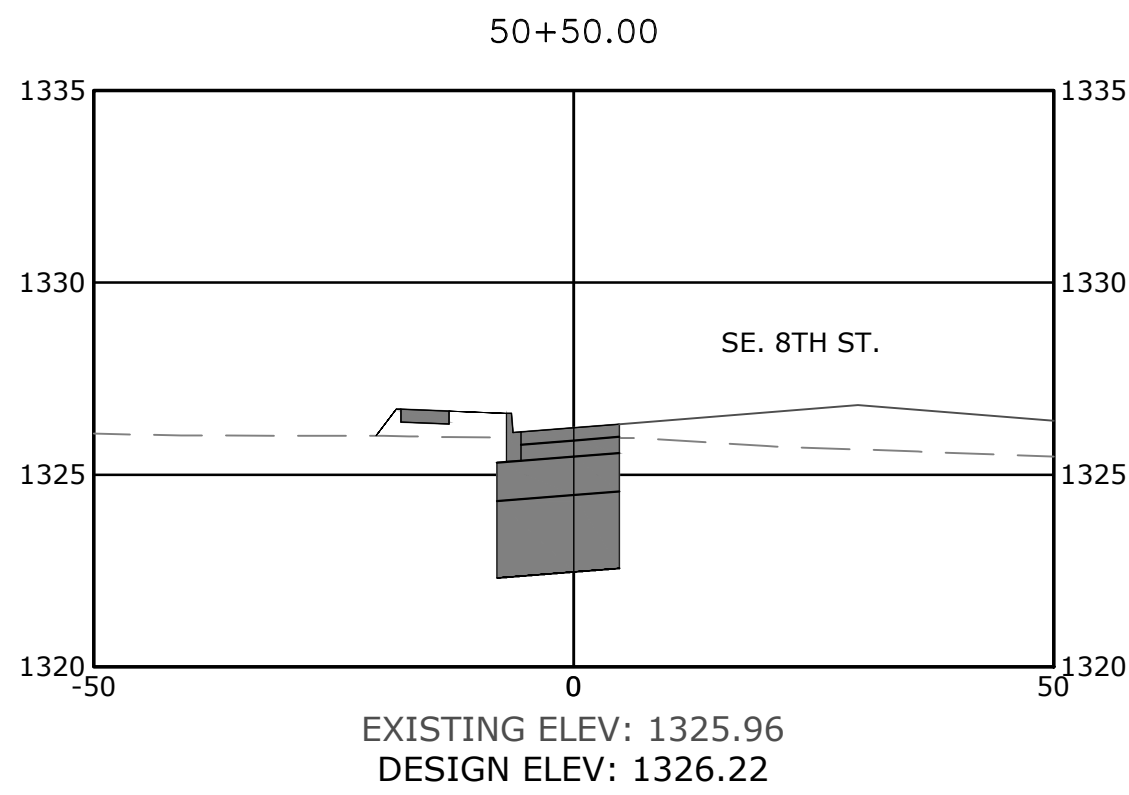
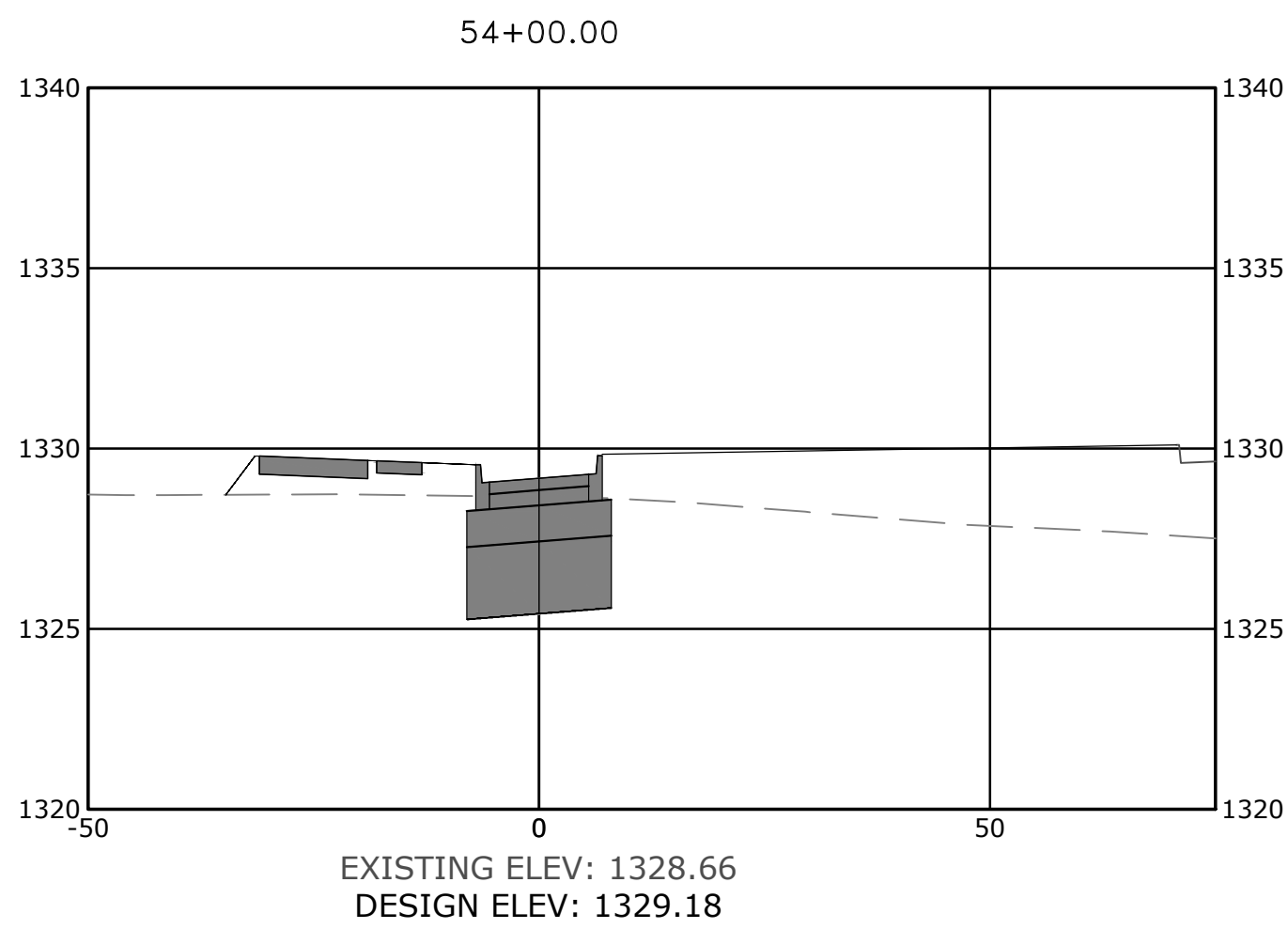
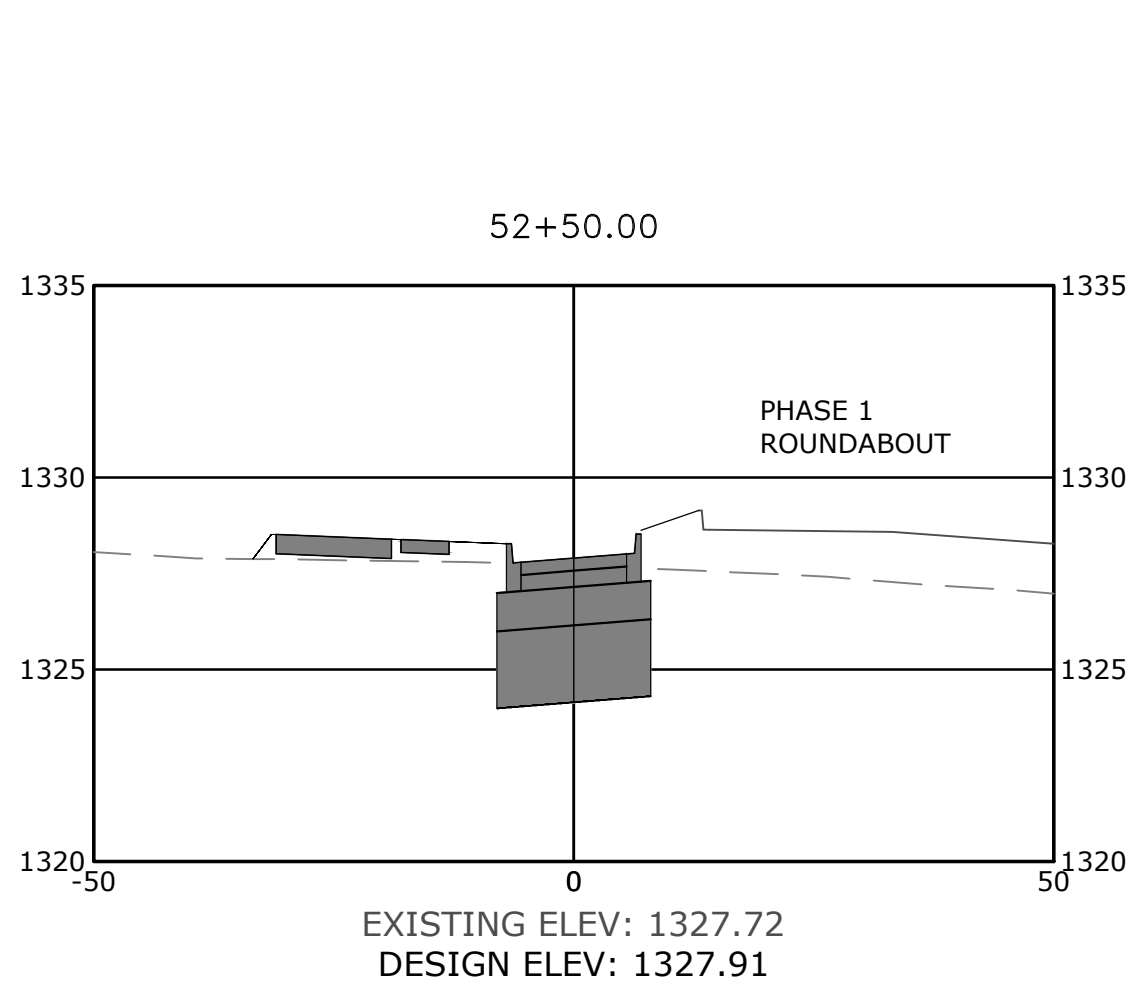
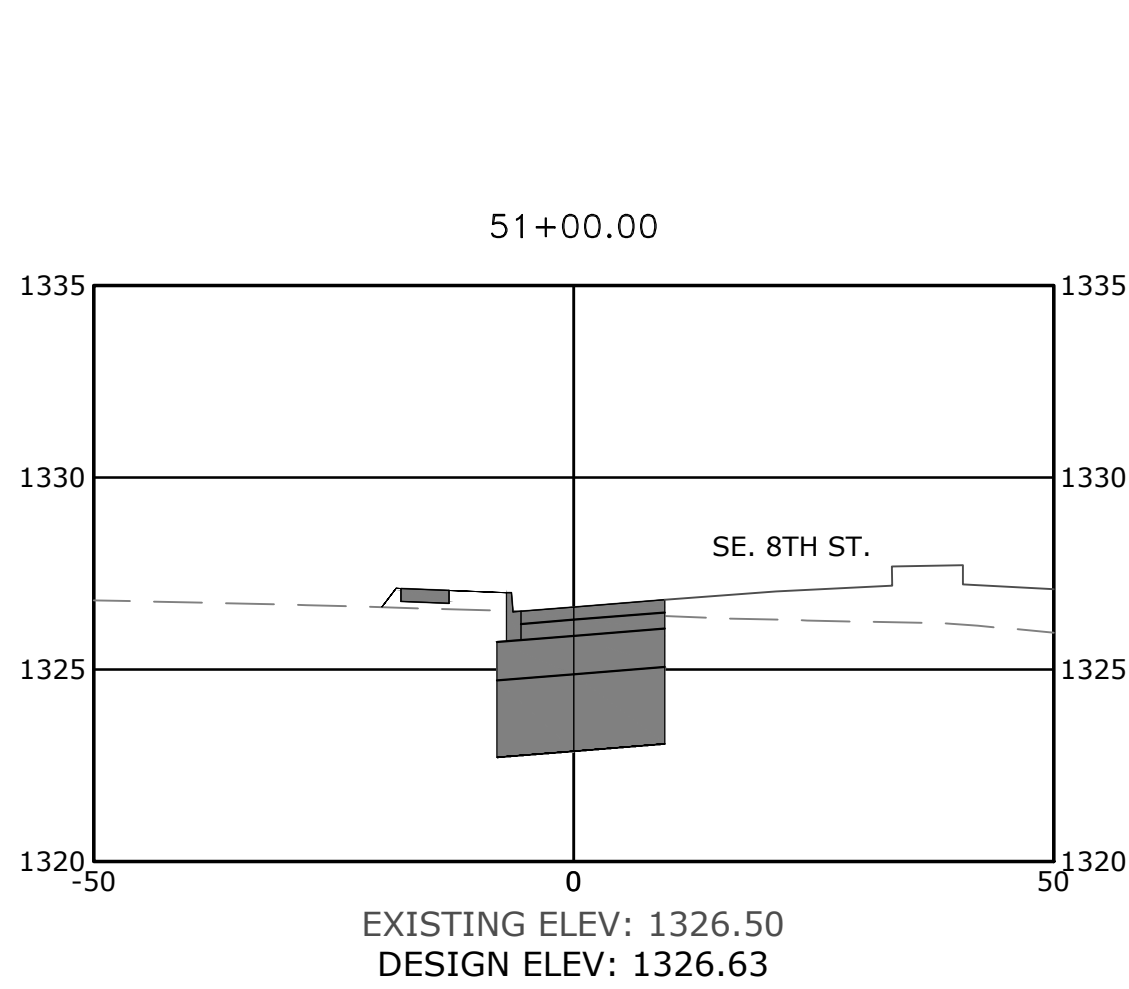
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REV	DATE		

**PLAN AND PROFILE
BATTLEFIELD
BLVD.- STA.
103+50 TO
STA. 106+73**

DESIGNED BY: ELA	DRAWN BY: WAS
DATE: 2/2/2022	REVISION: 30%
SCALE: 1" = 20'	JOB NUMBER: 21-2147

PP-10

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BENTONVILLE, AR

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ENGINEERING

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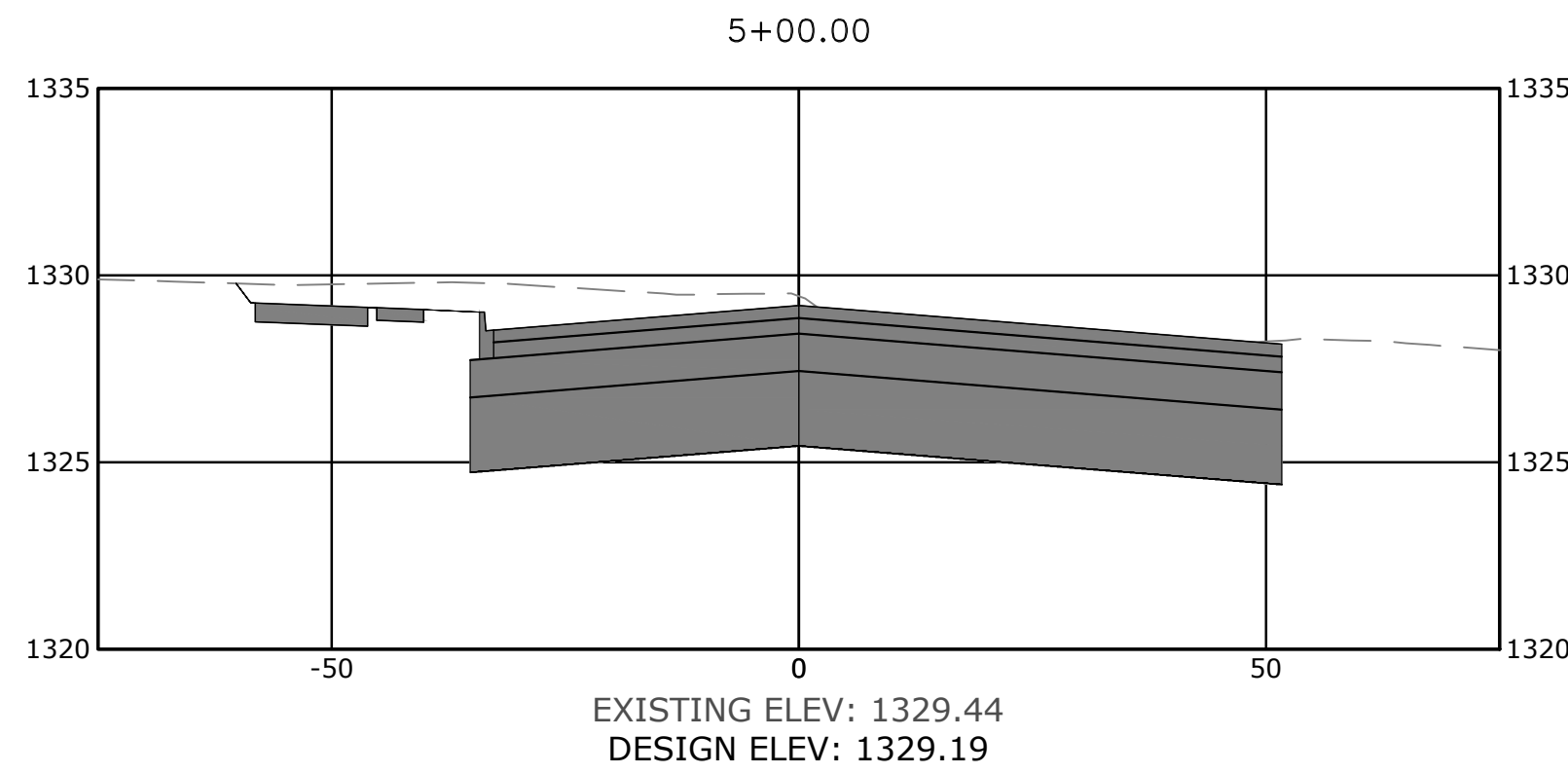
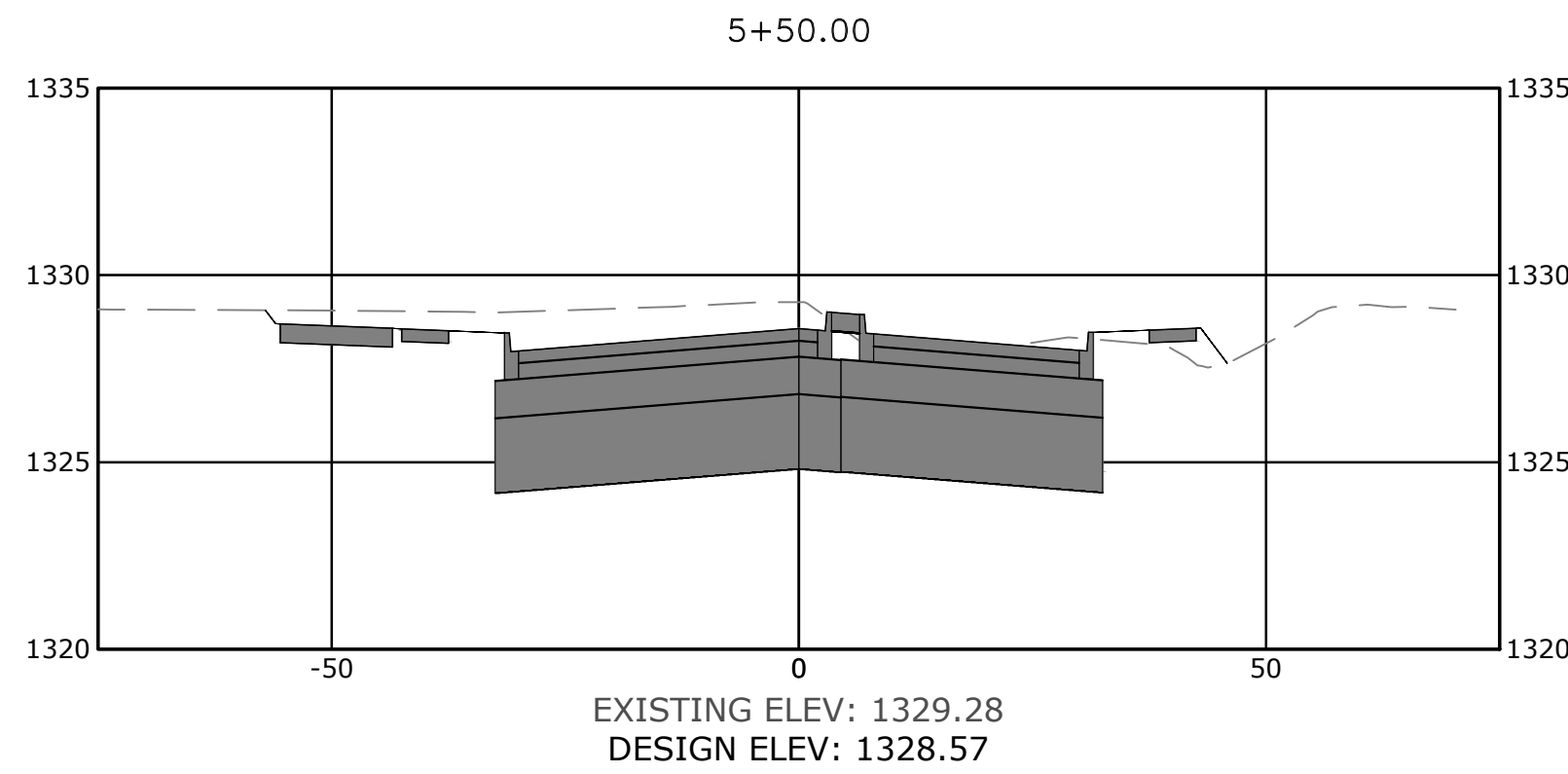
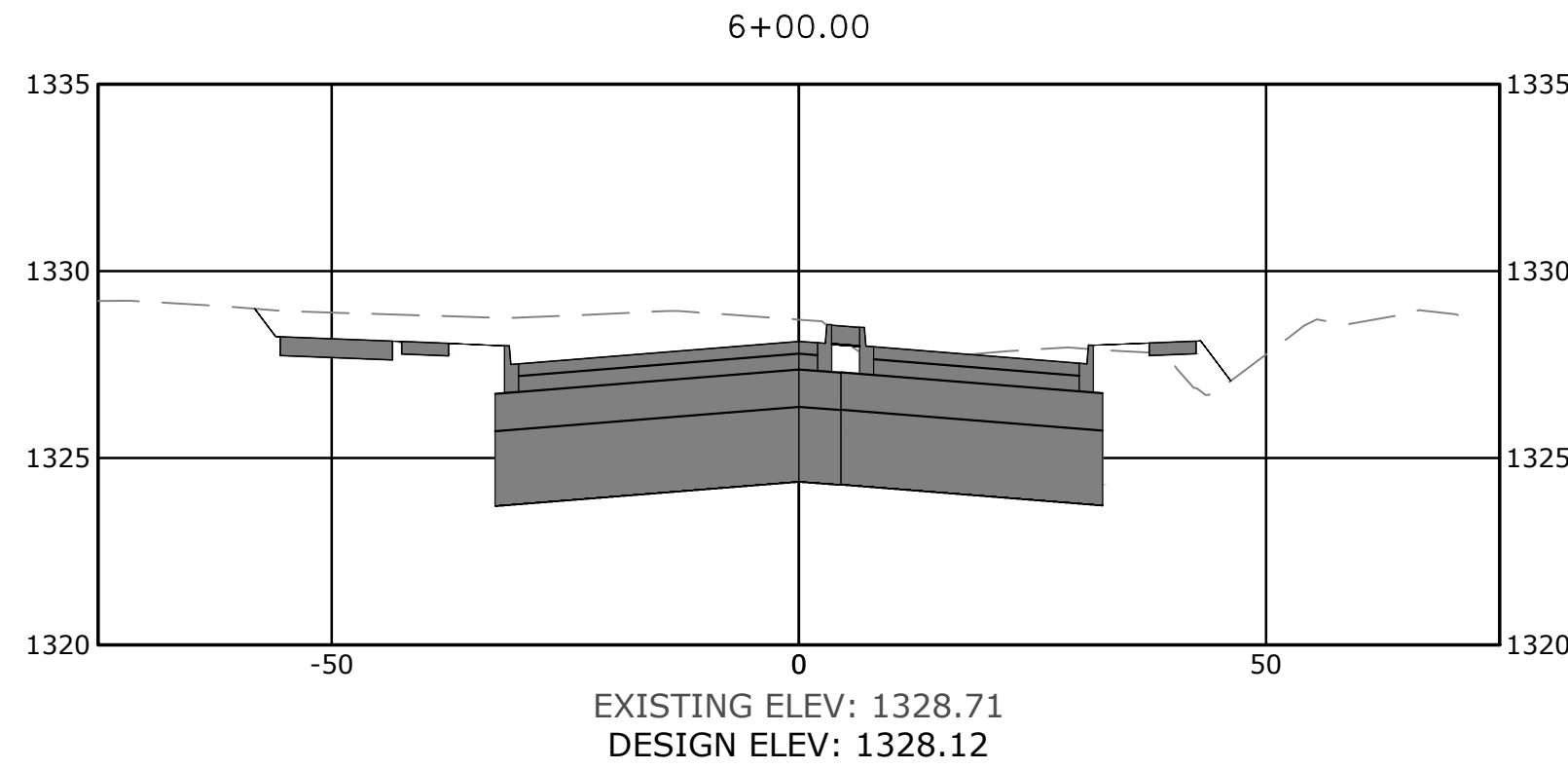
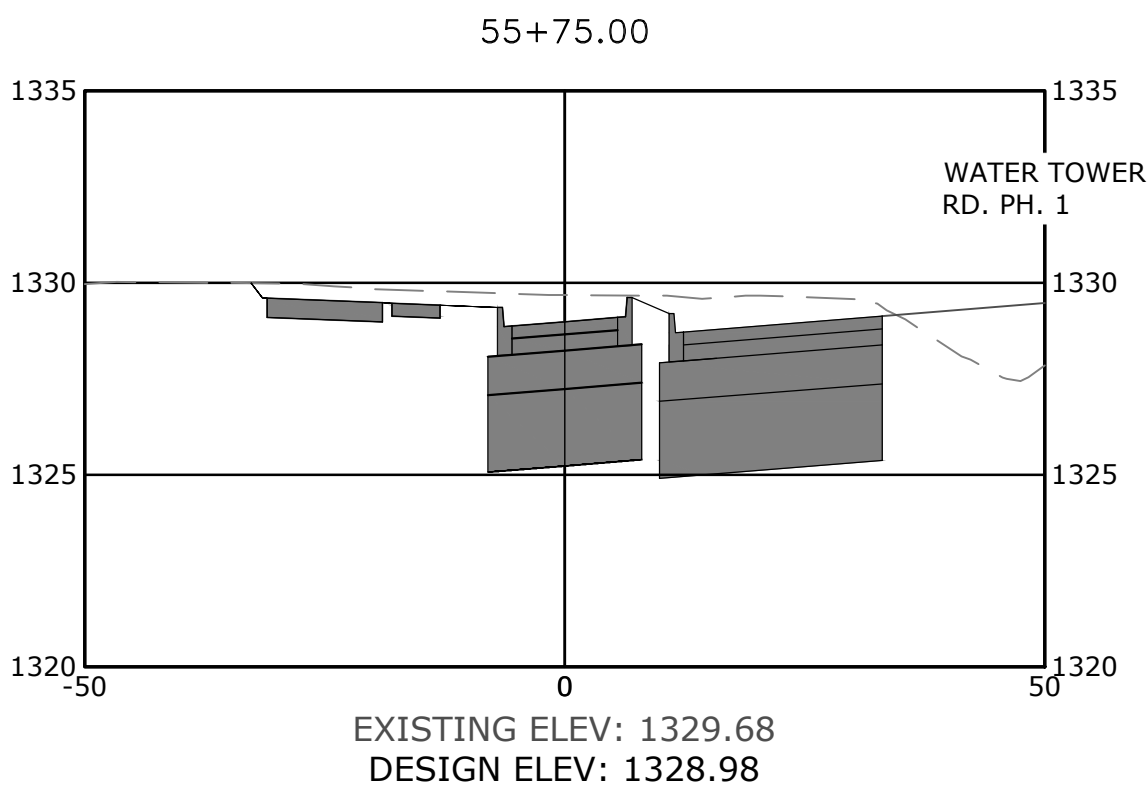
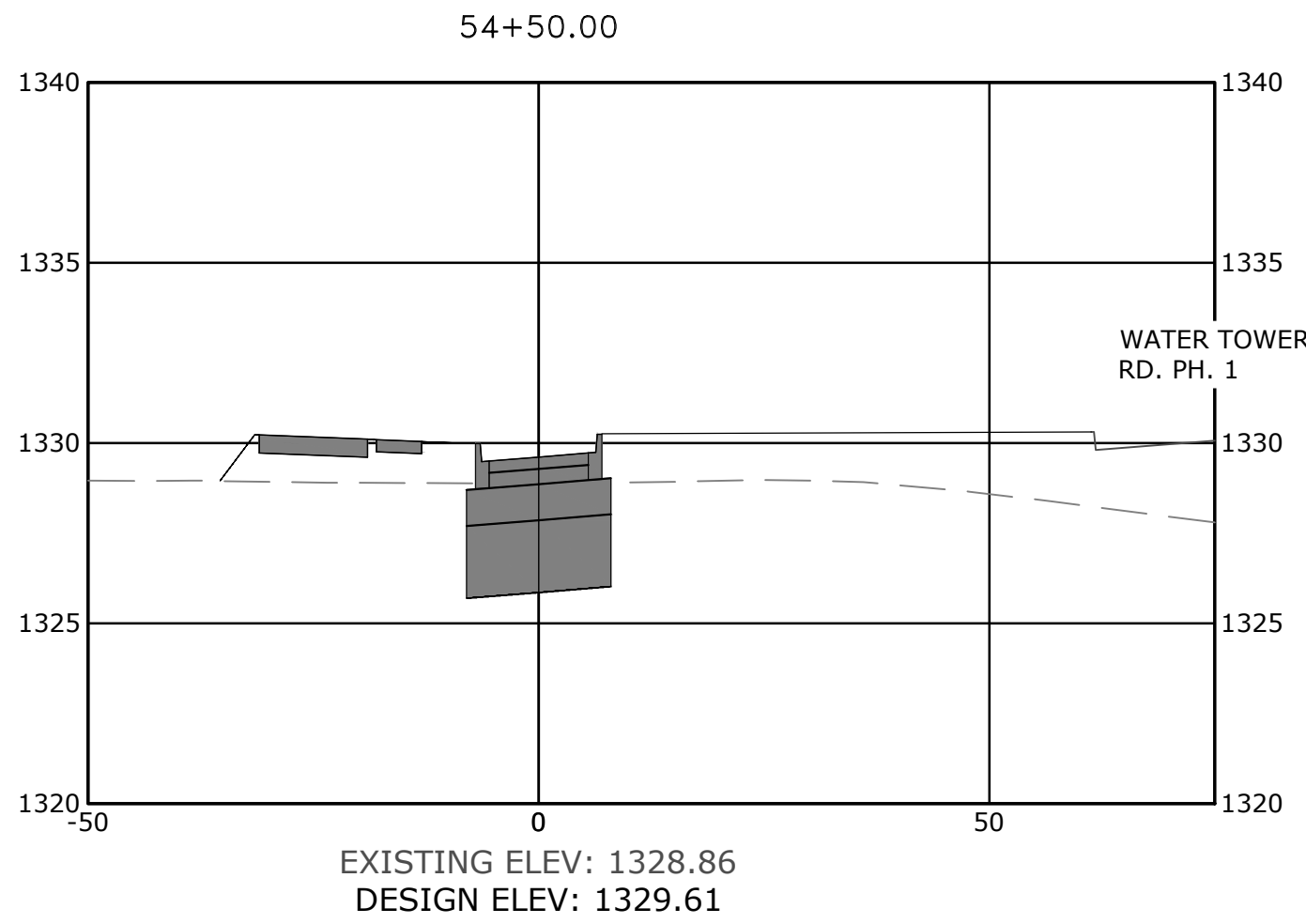
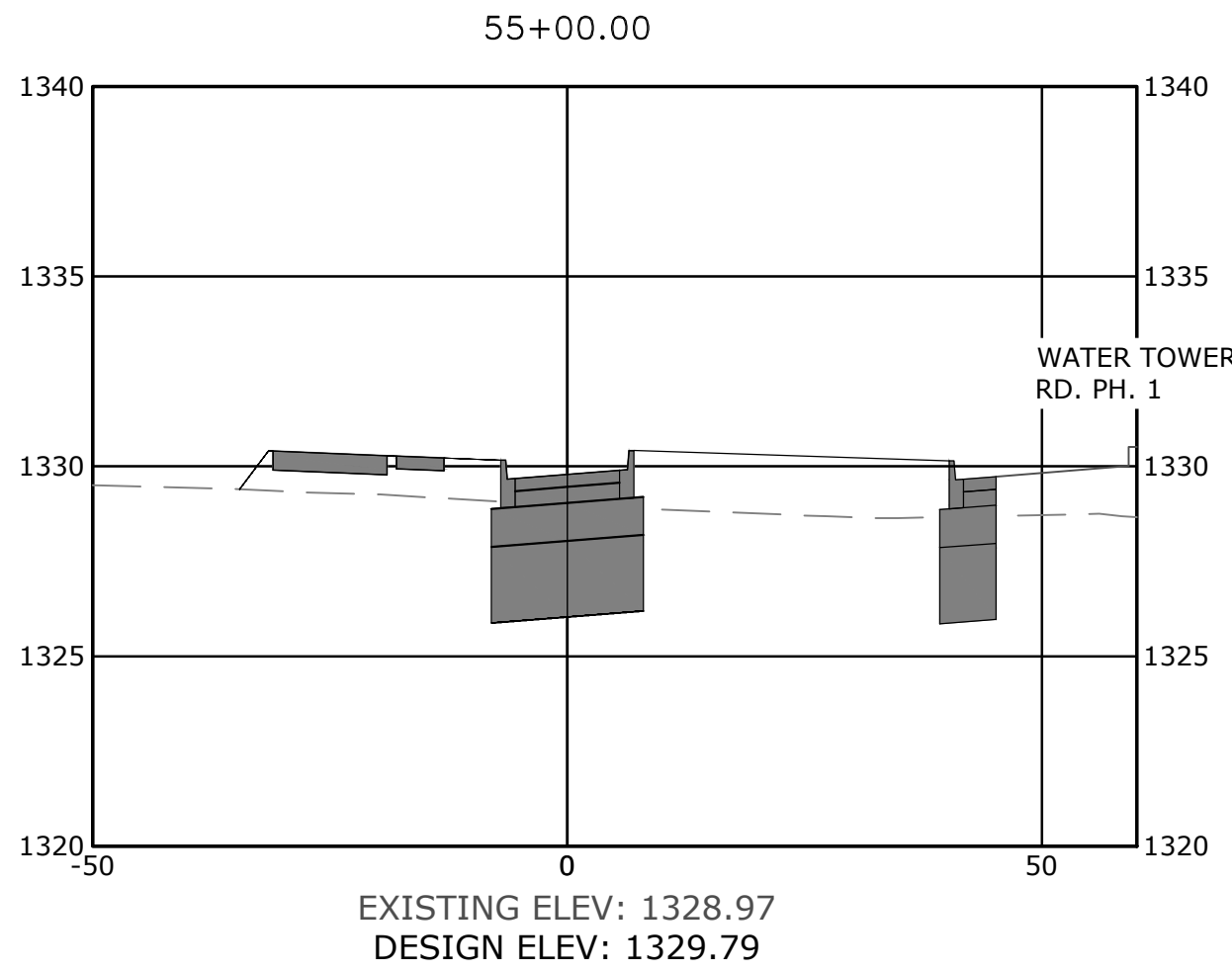
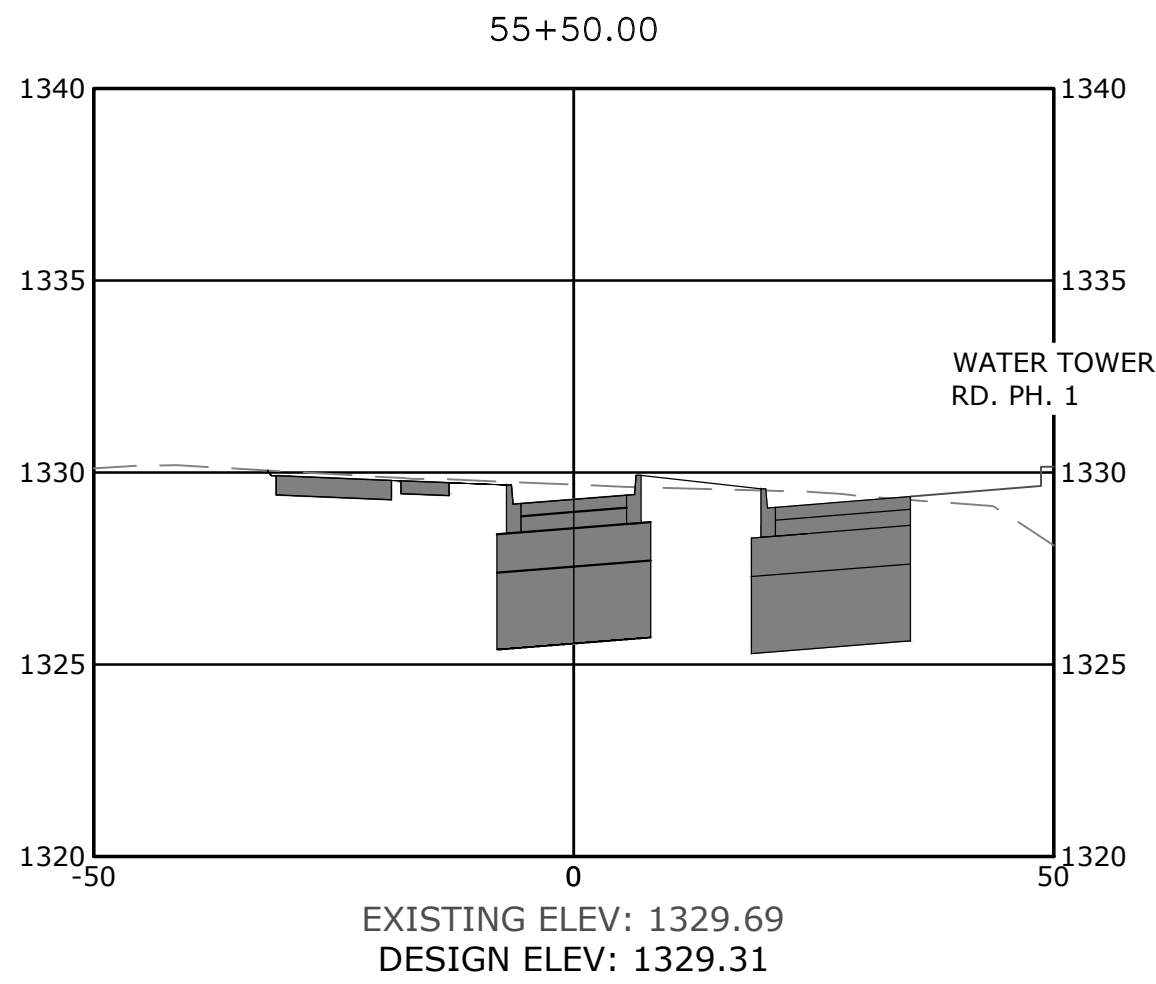
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CROSS
SECTIONS SE.
8TH ST.
BYPASS- STA.
50+00 TO STA.
54+00

DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: NTS	JOB NUMBER: 21-2147

XS-1

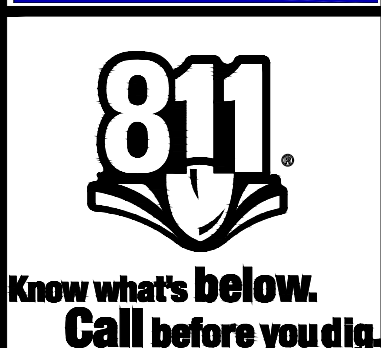
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WATER TOWER RD. PH.13
SE. 6TH ST. TO BATTLEFIELD BLVD.
BENTONVILLE, AR



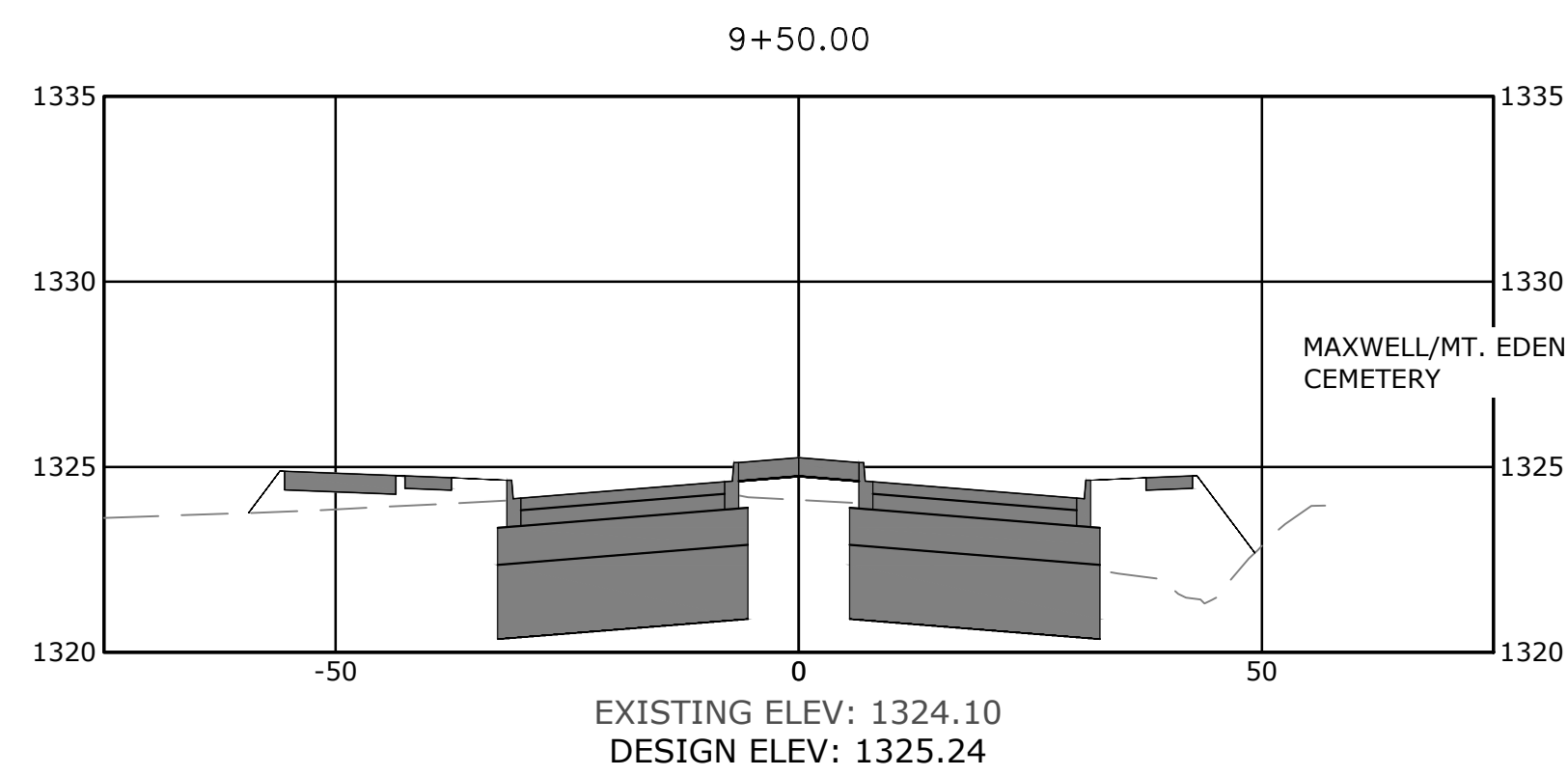
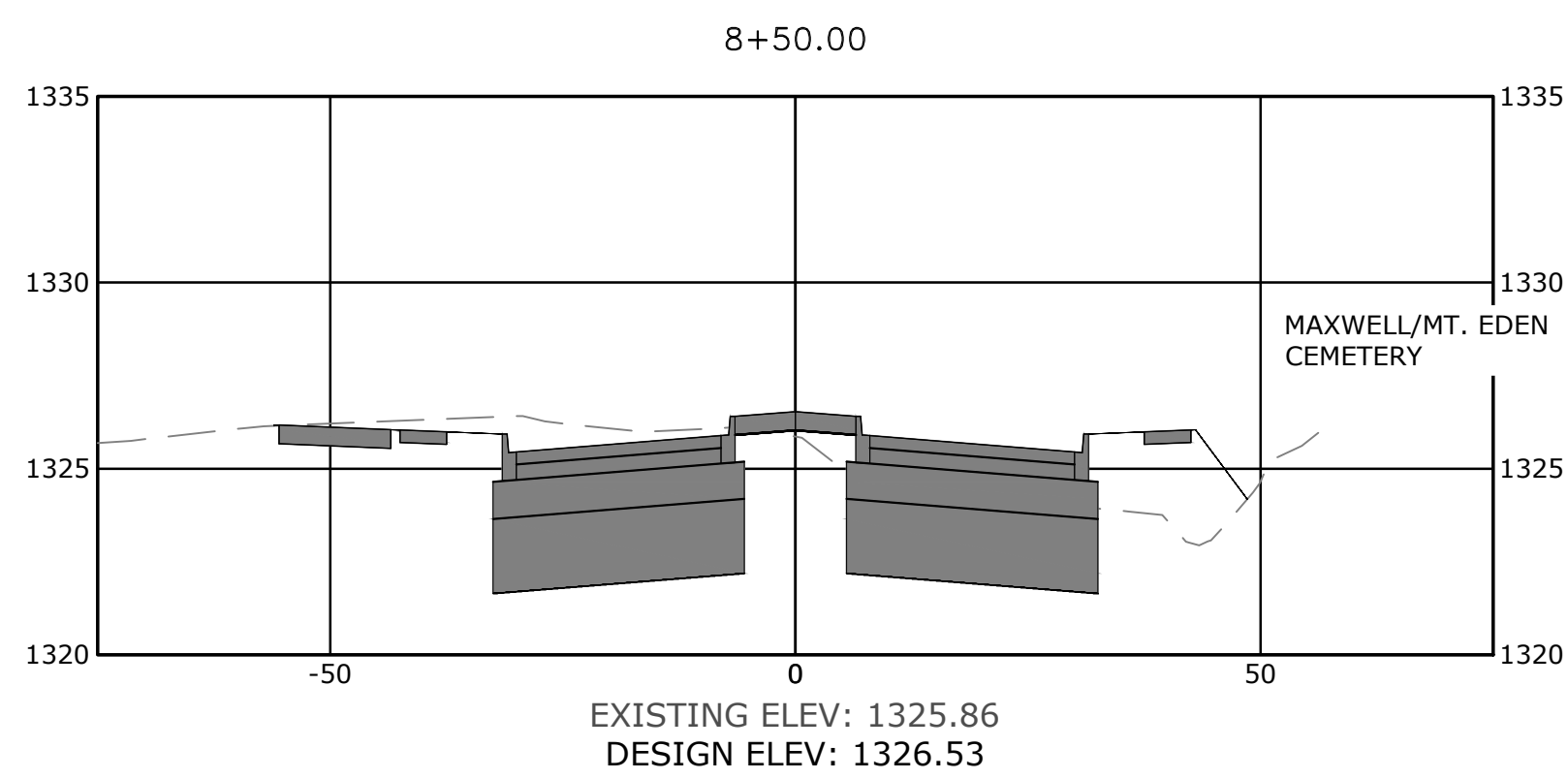
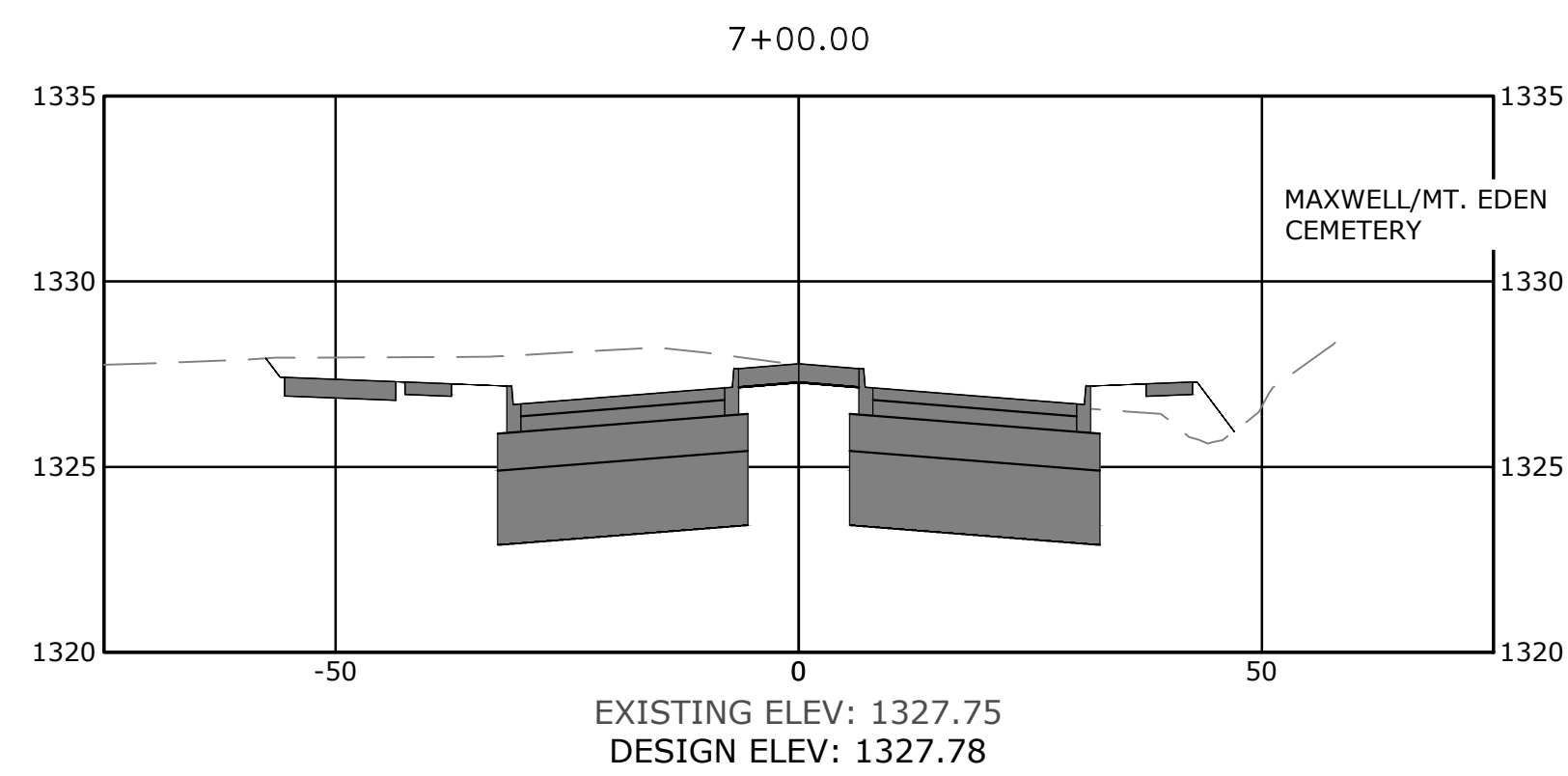
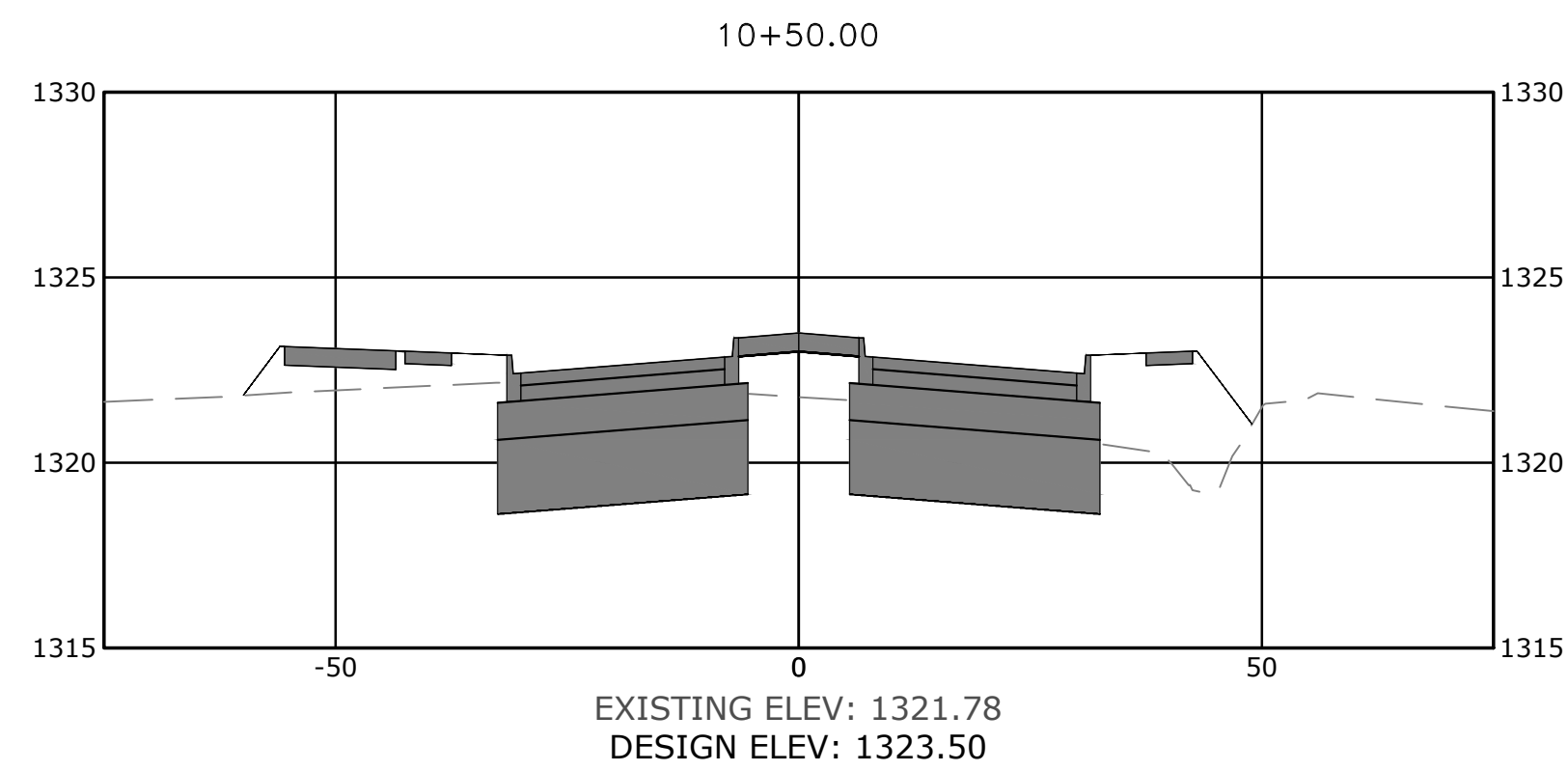
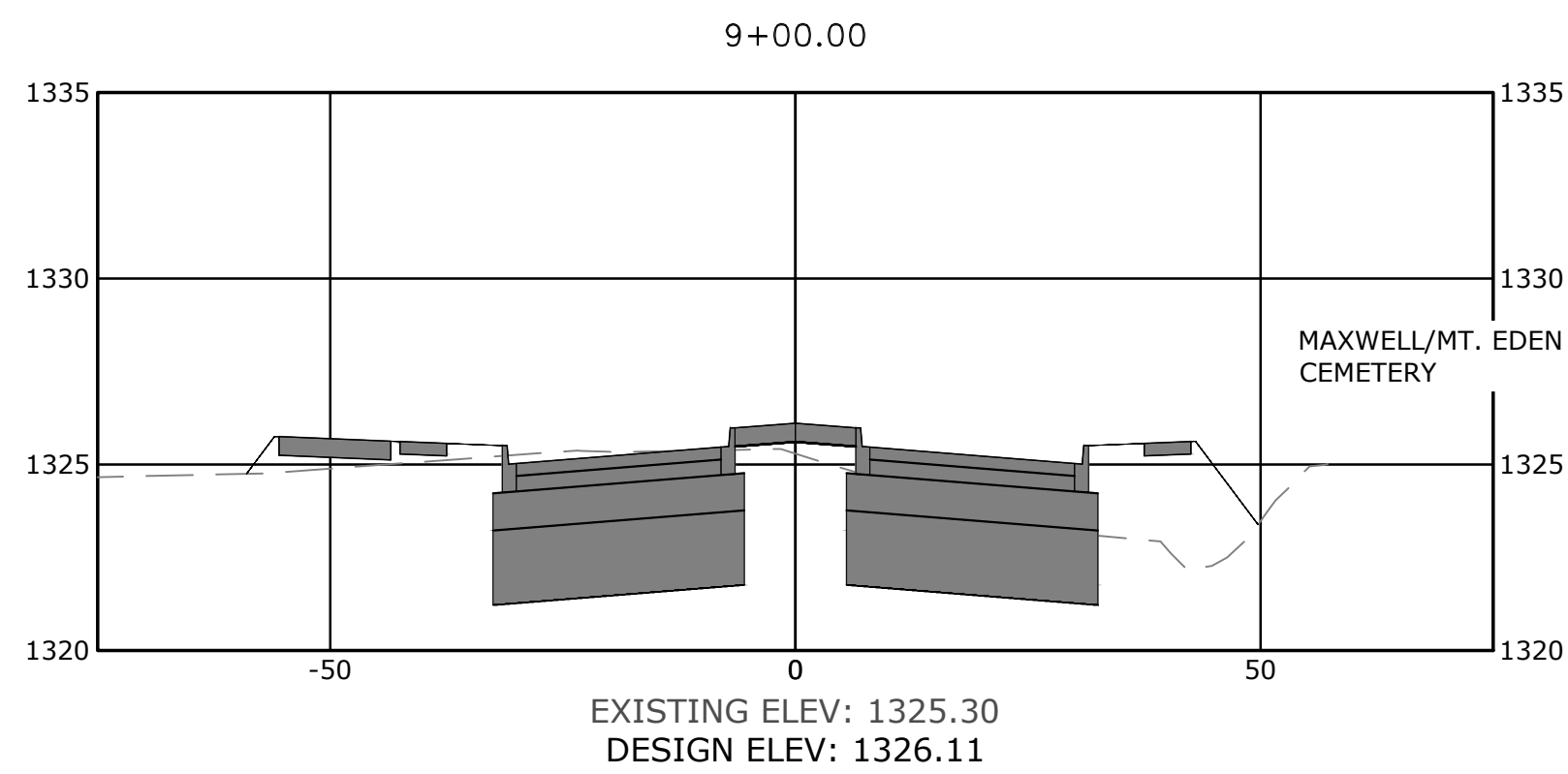
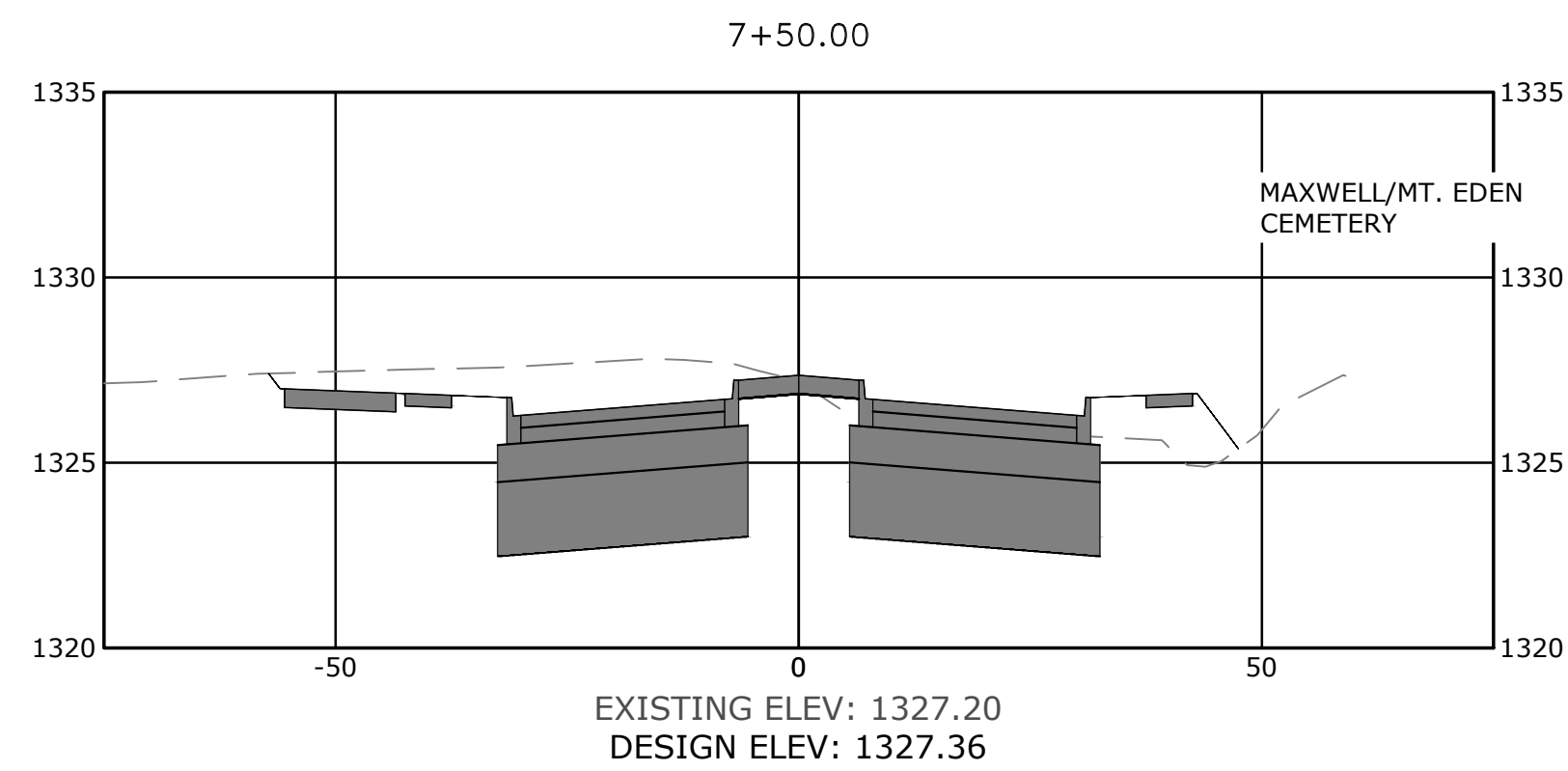
REVISONS		DESCRIPTION
REV	DATE	

CROSS
SECTION
BYPASS STA.
55+75 TO
WATER TOWER
RD. STA. 5+00

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DATE: 1/31/2022	REVISION: 30%
SCALE: NTS	JOB NUMBER: 21-2147

XS-2

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SE. 6TH ST. TO BATTLEFIELD BLVD.
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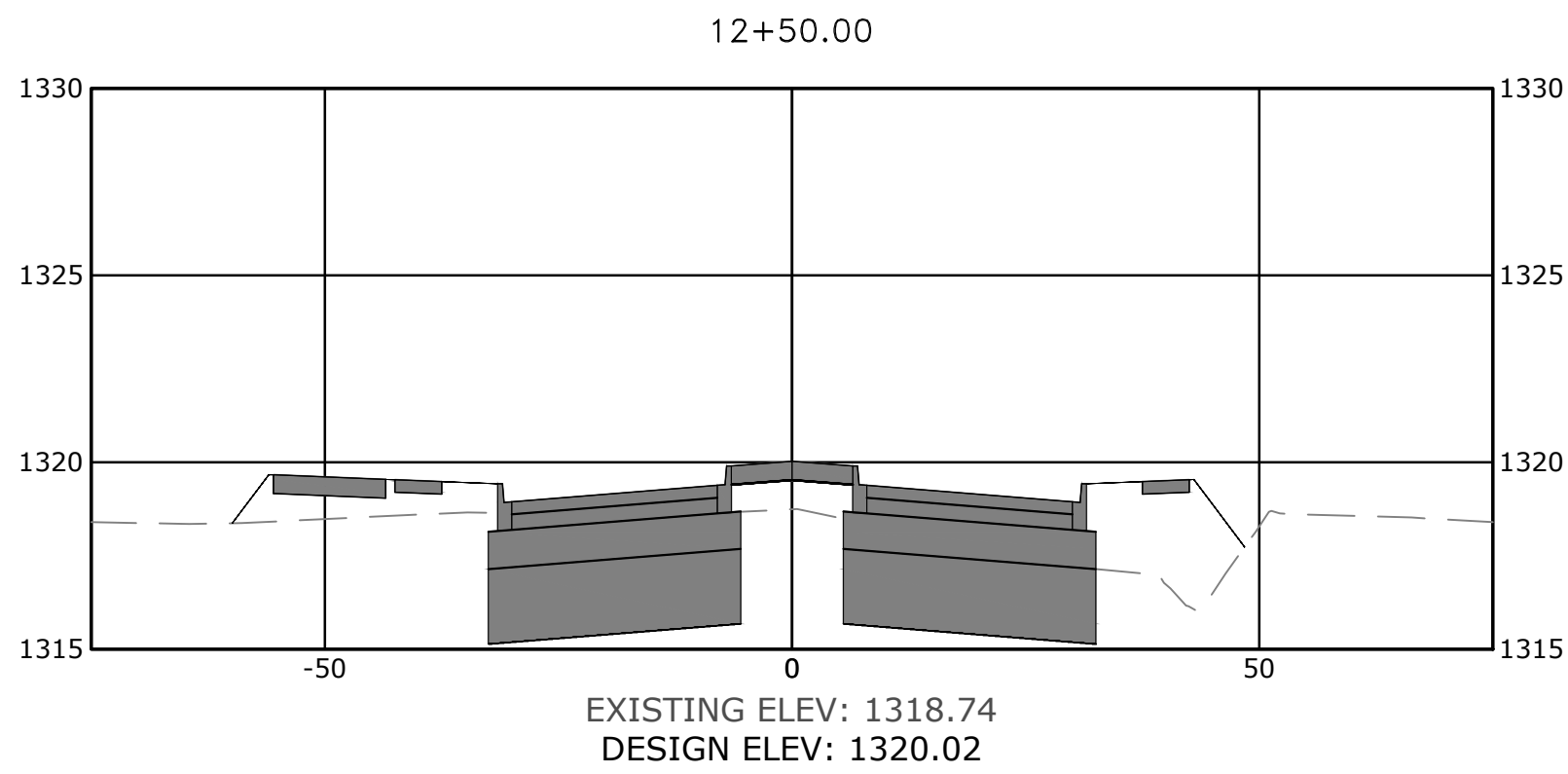
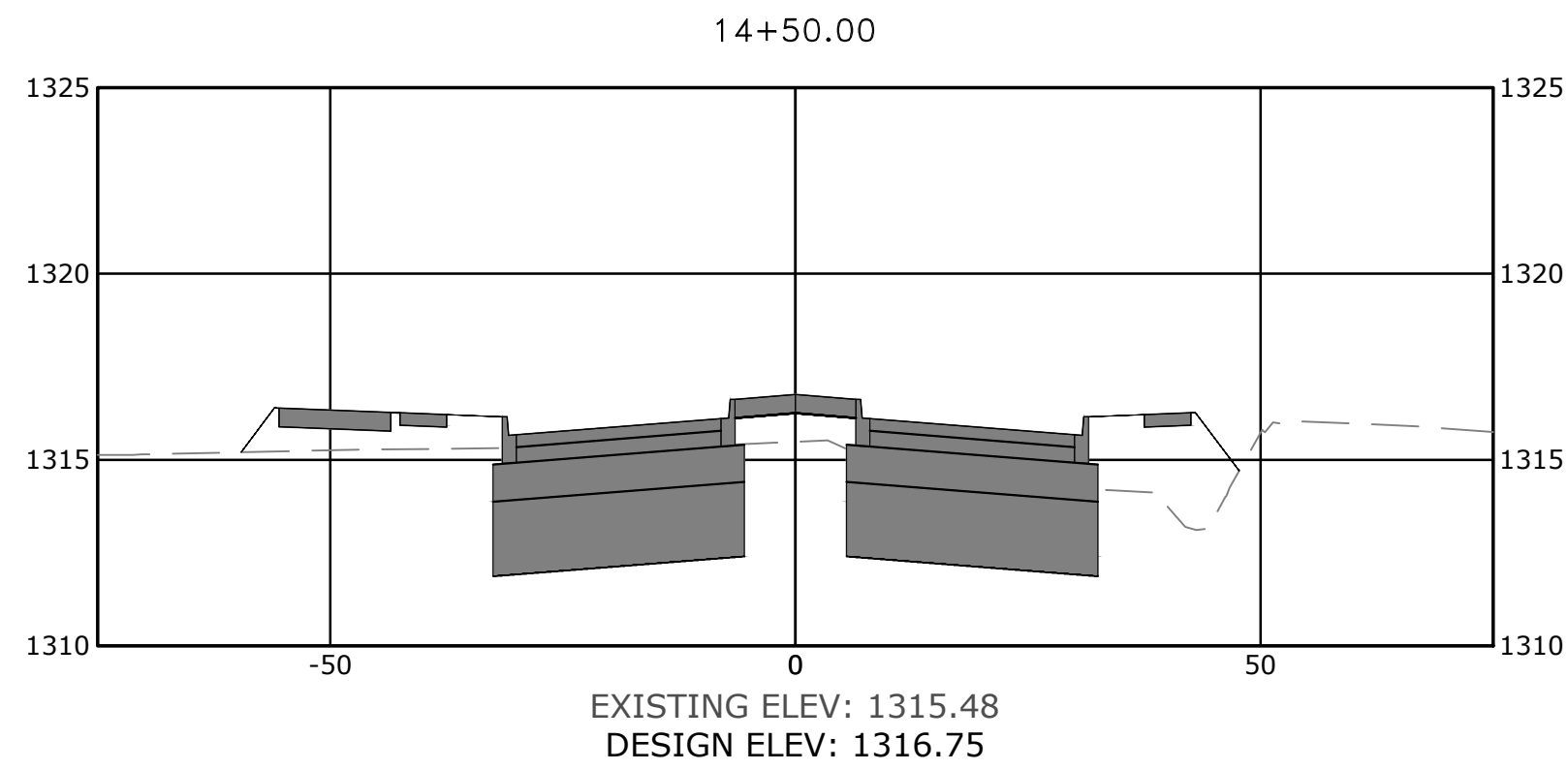
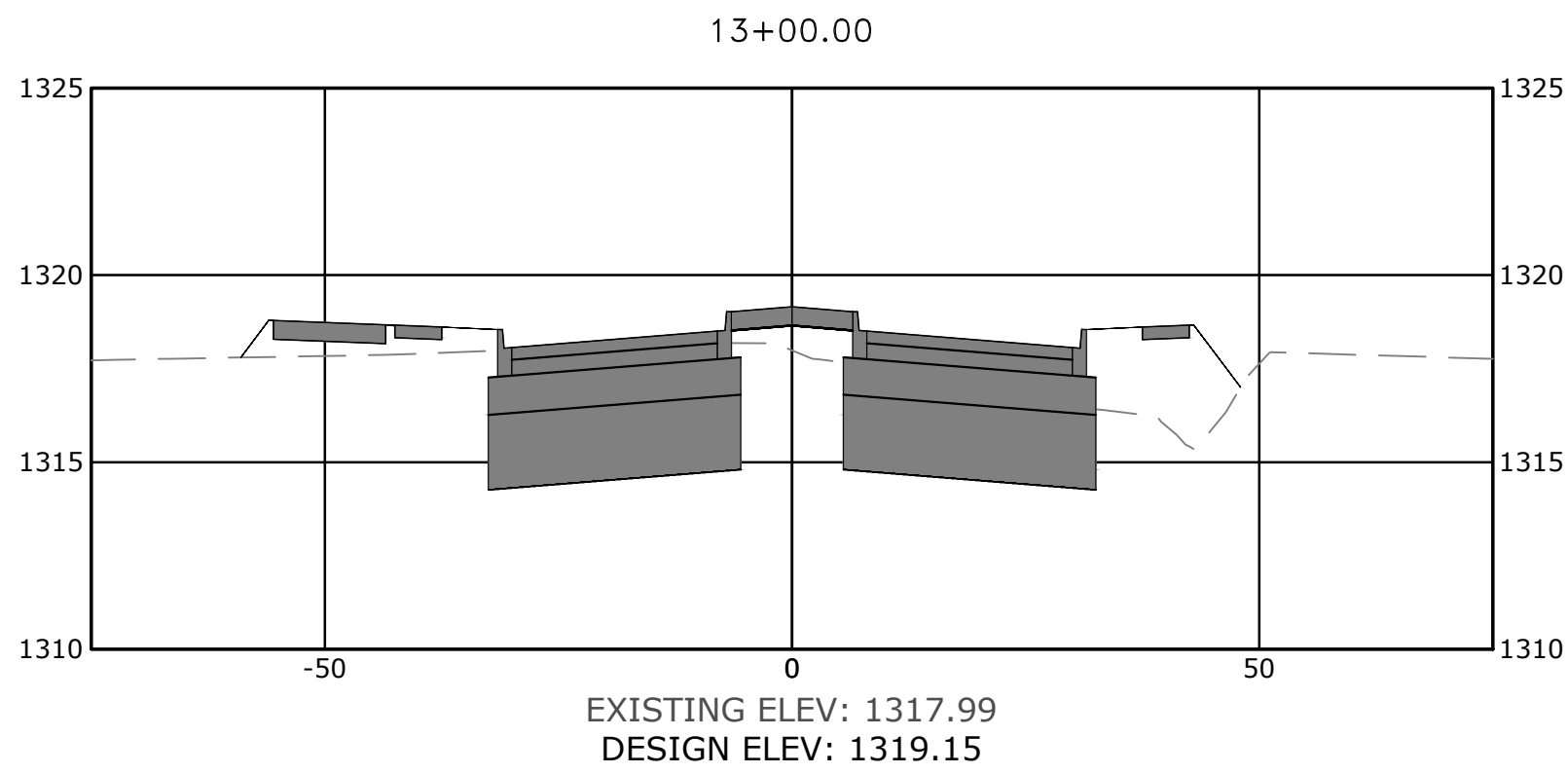
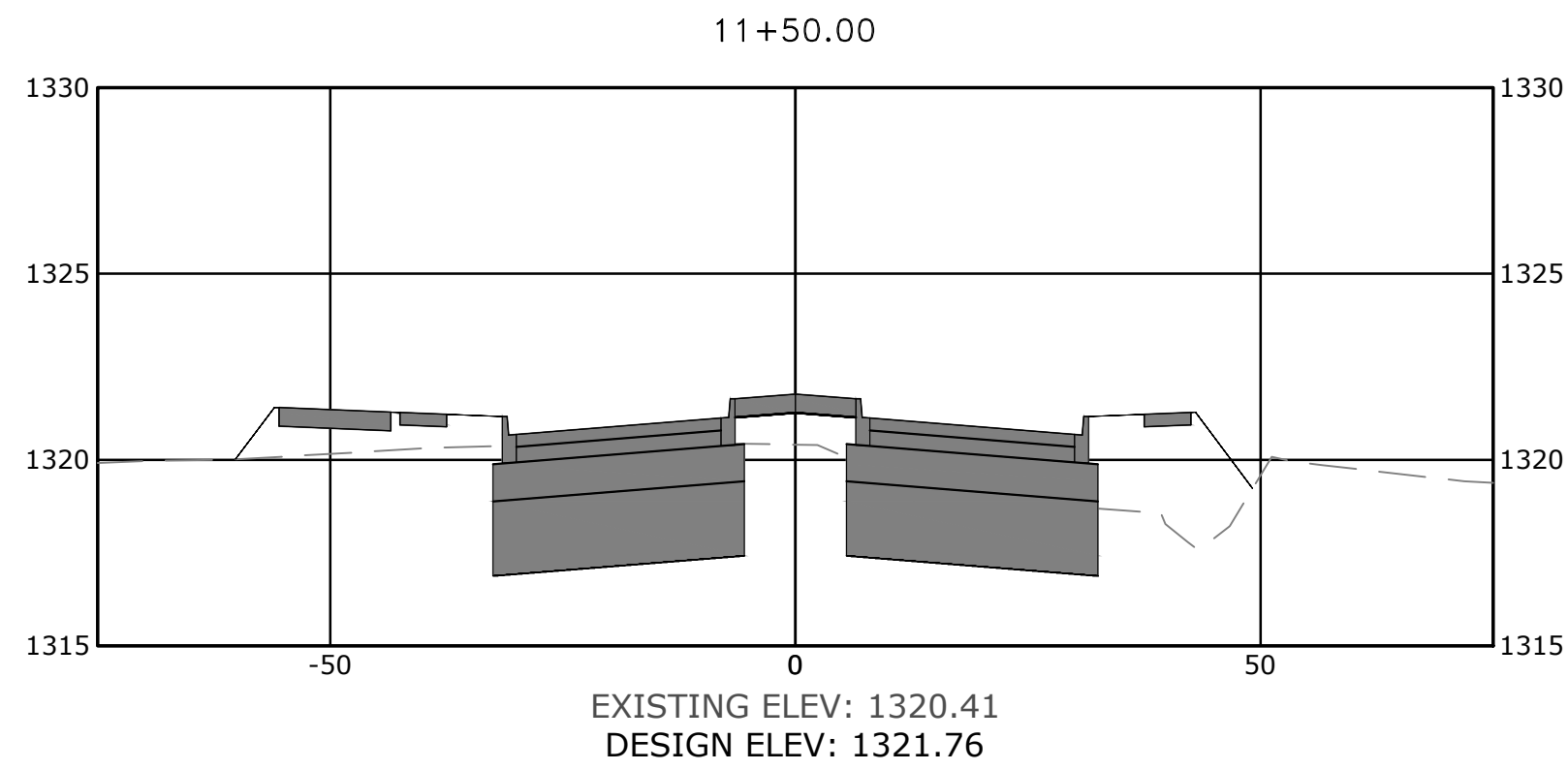
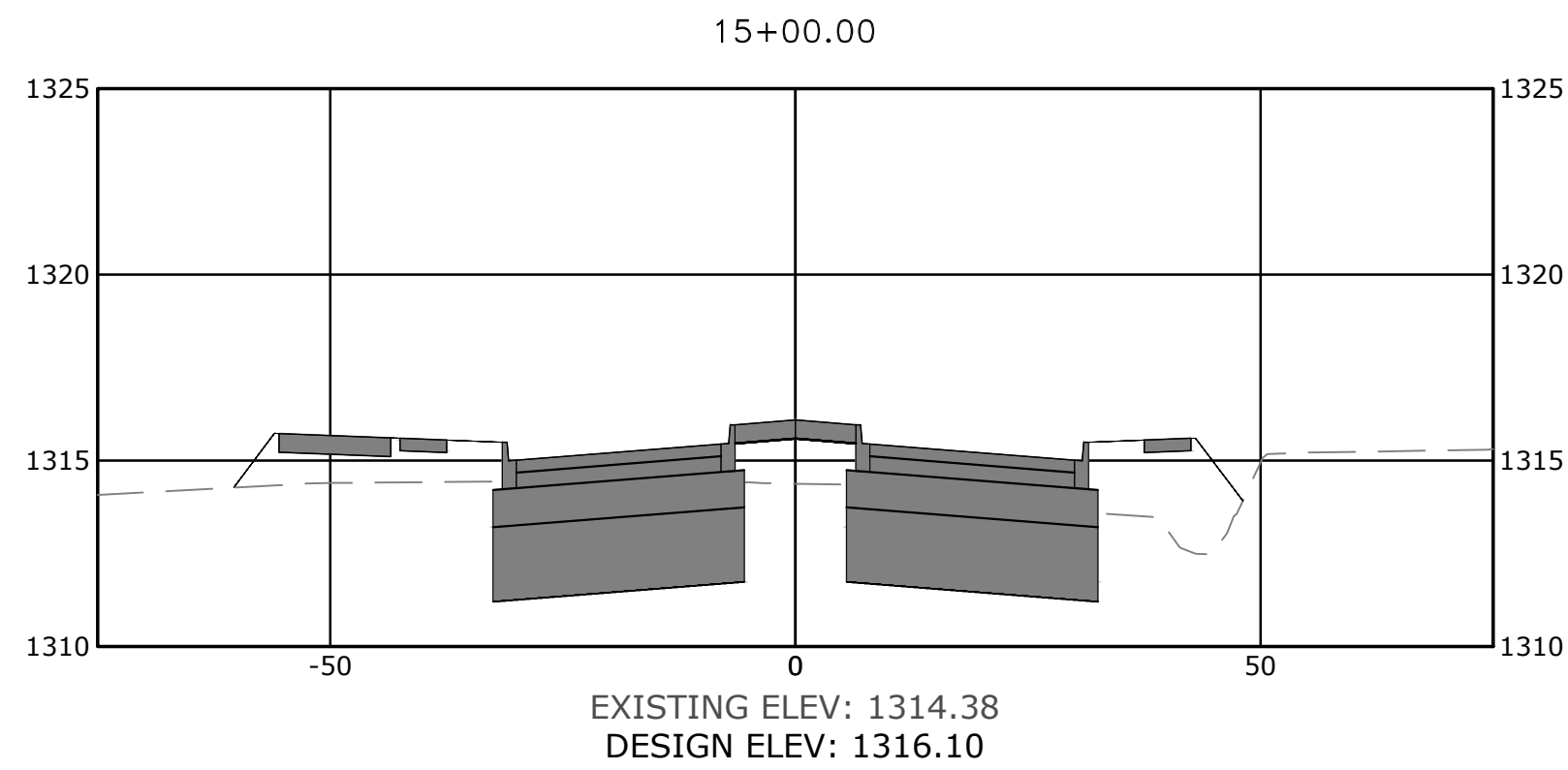
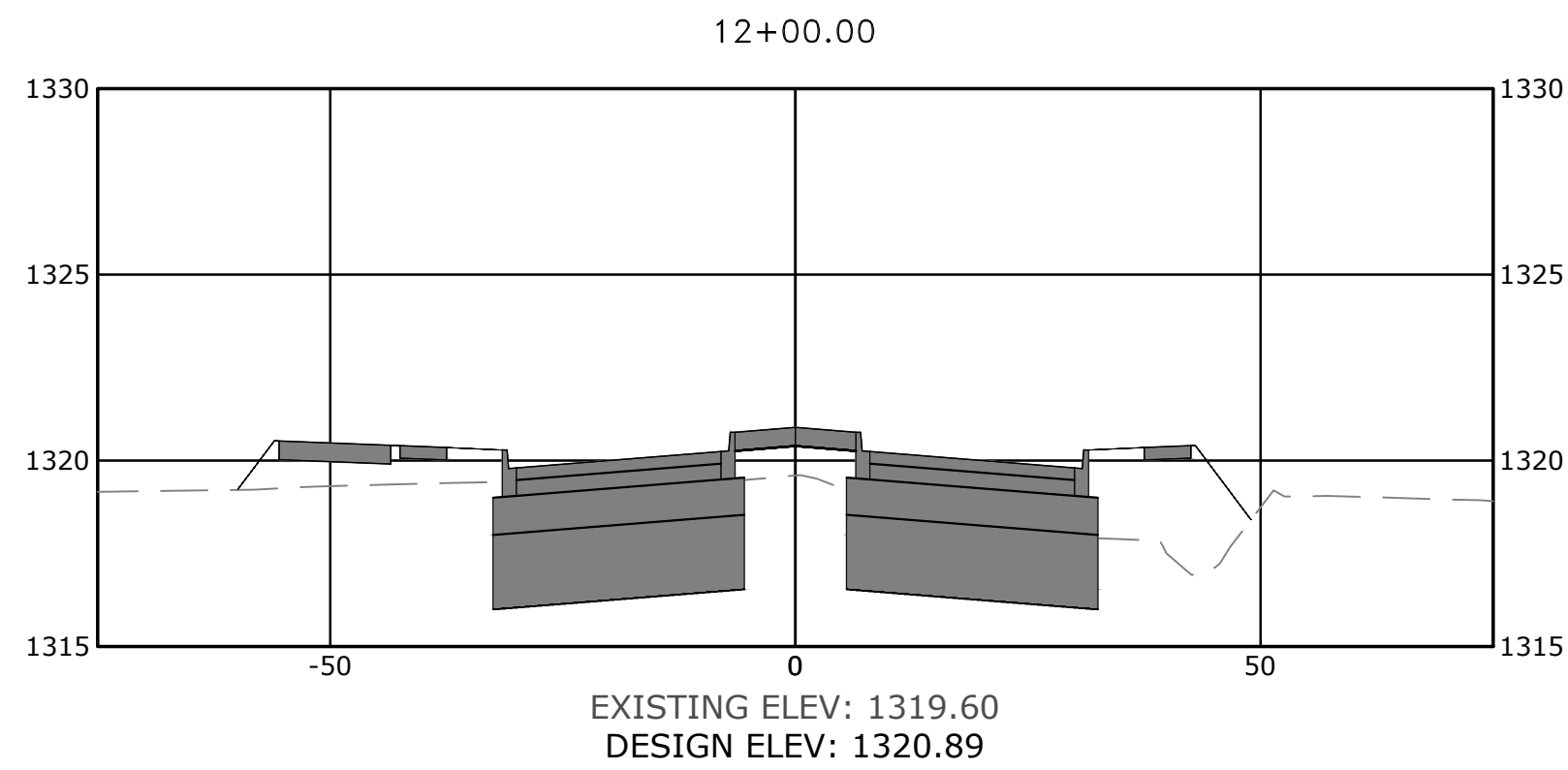
REVISONS		DESCRIPTION
REV	DATE	

CROSS
SECTIONS
WATER TOWER
RD.- STA.
6+50 TO STA.
10+50

DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: NTS	JOB NUMBER: 21-2147

XS-3

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SE. 6TH ST. TO BATTLEFIELD BLVD.
BENTONVILLE, AR

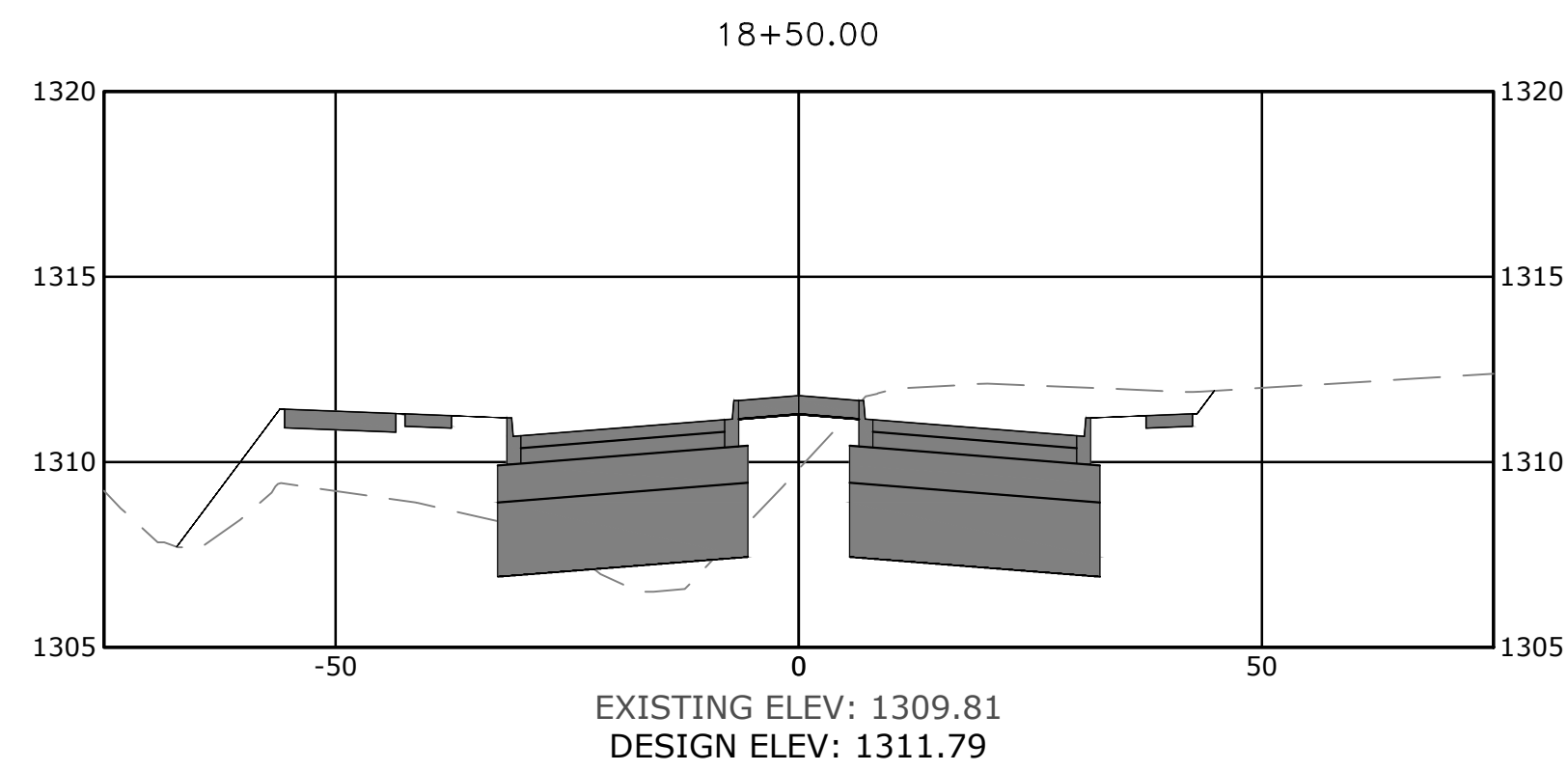
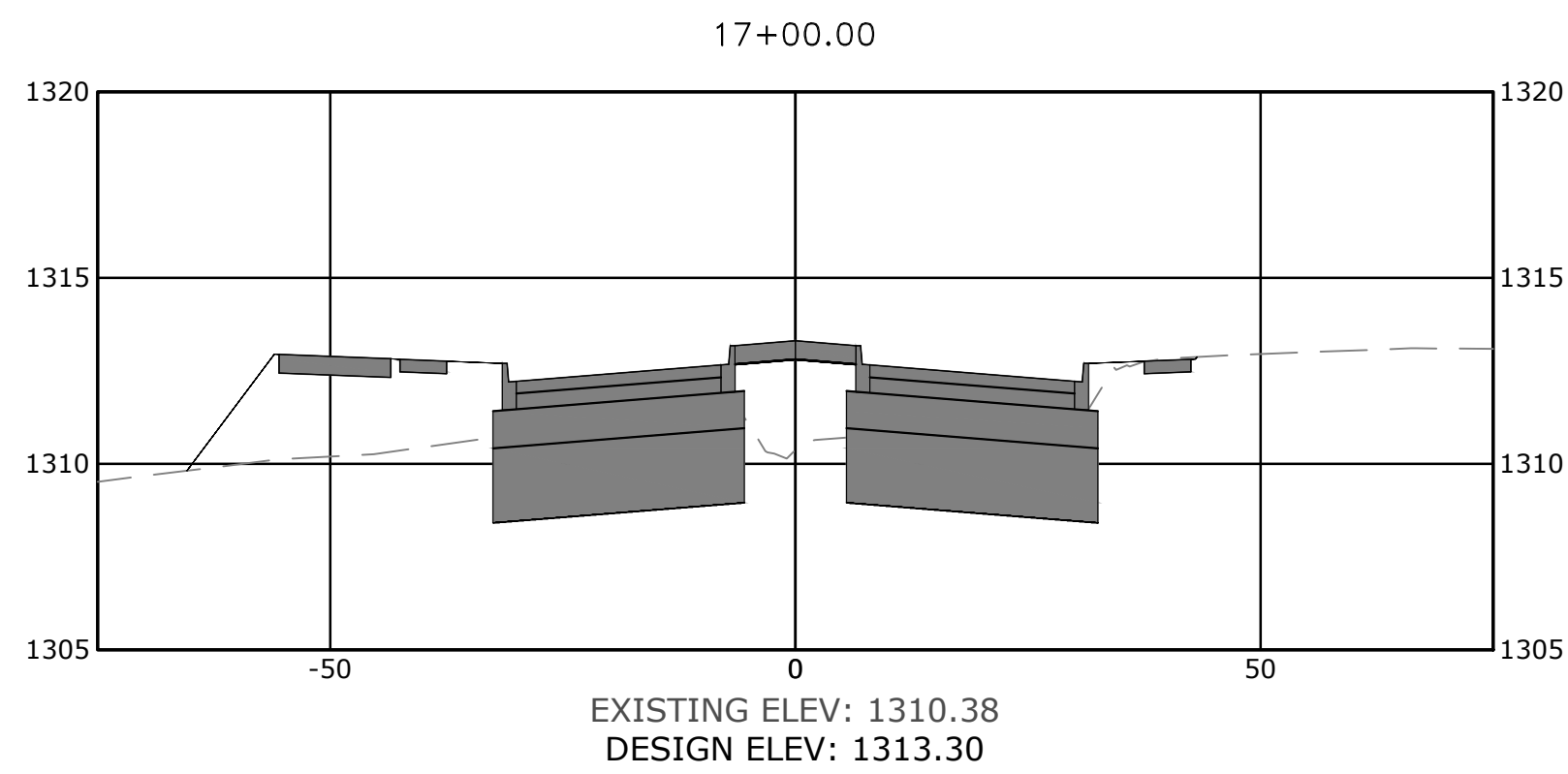
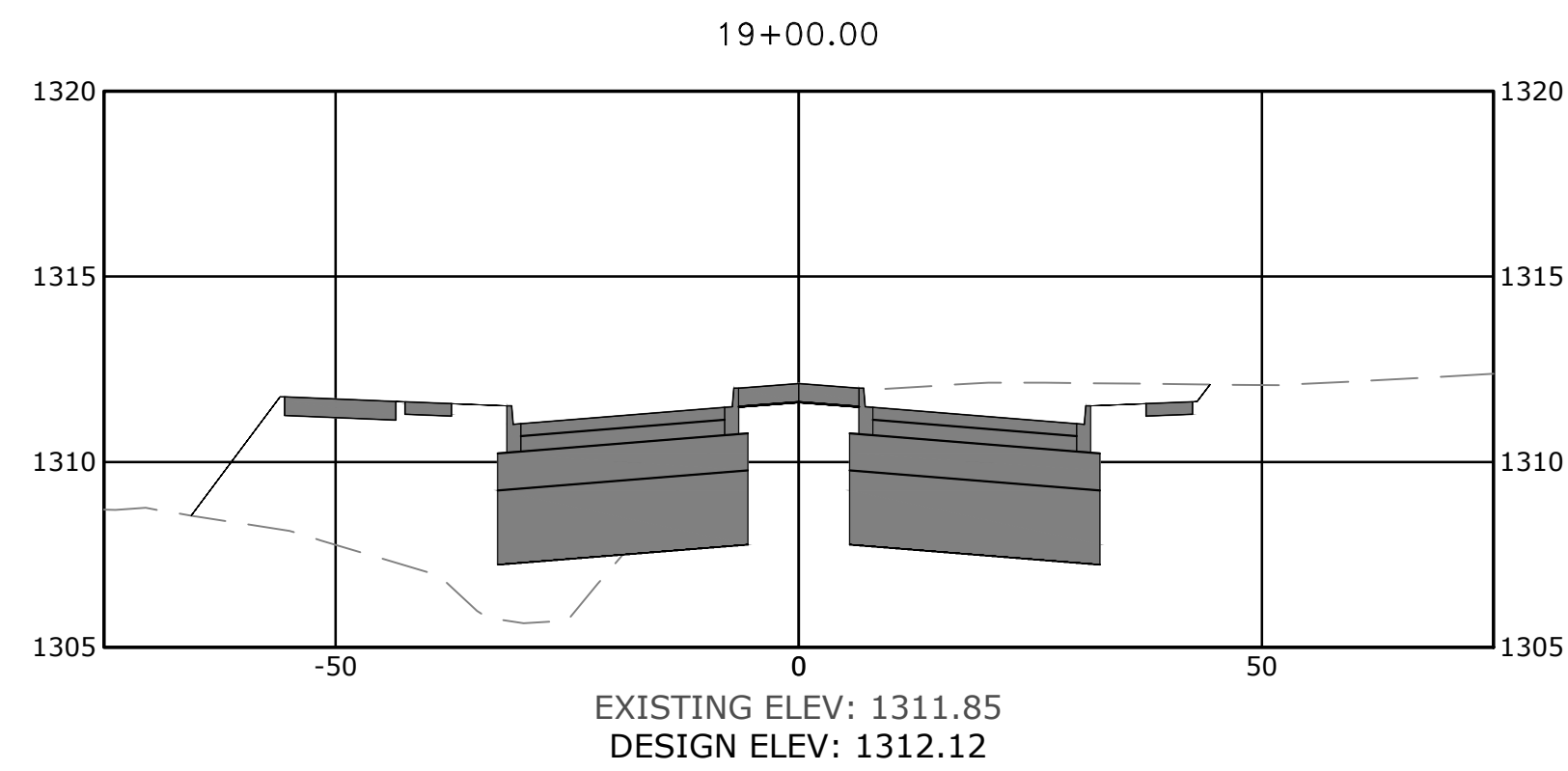
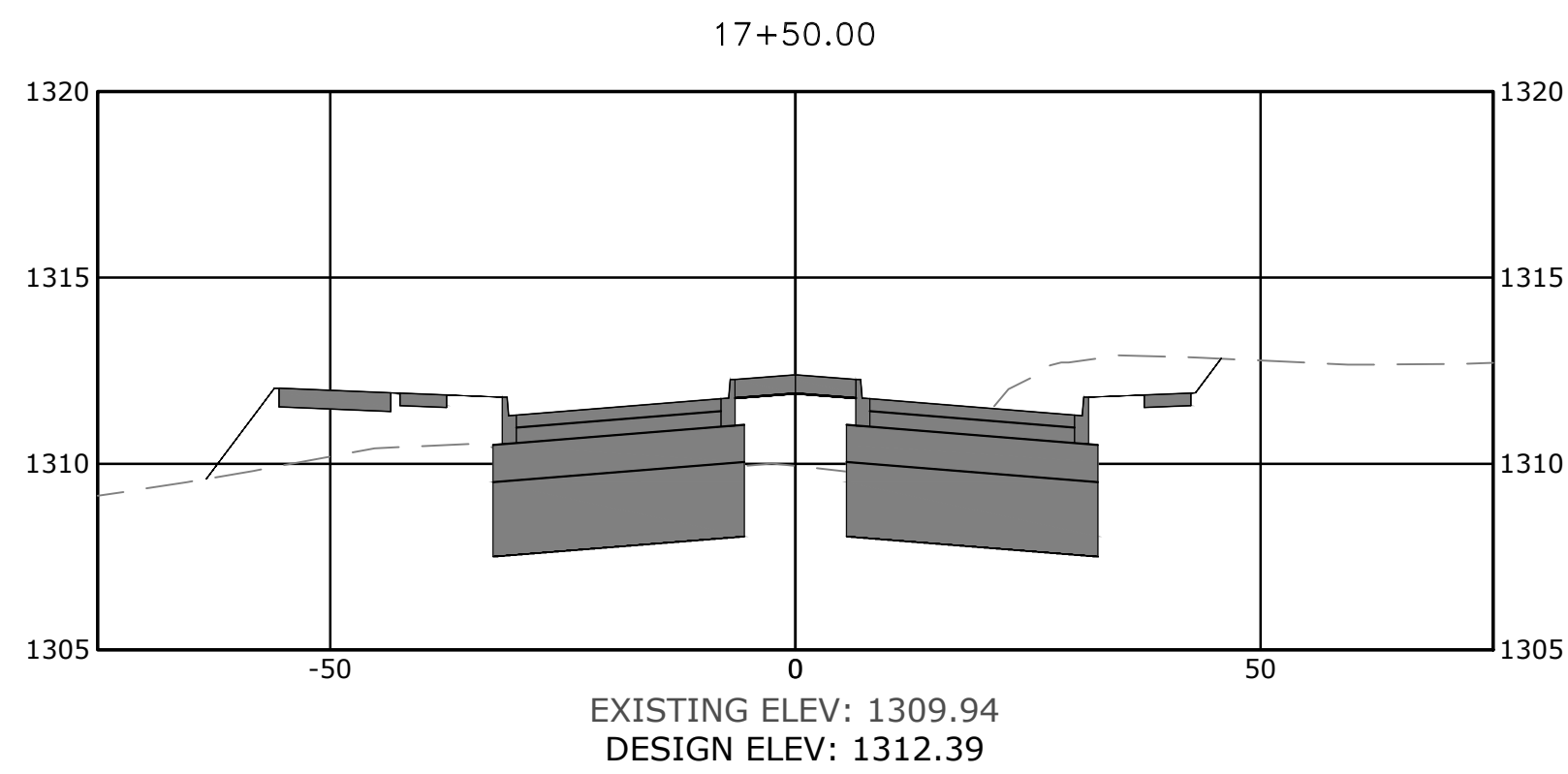
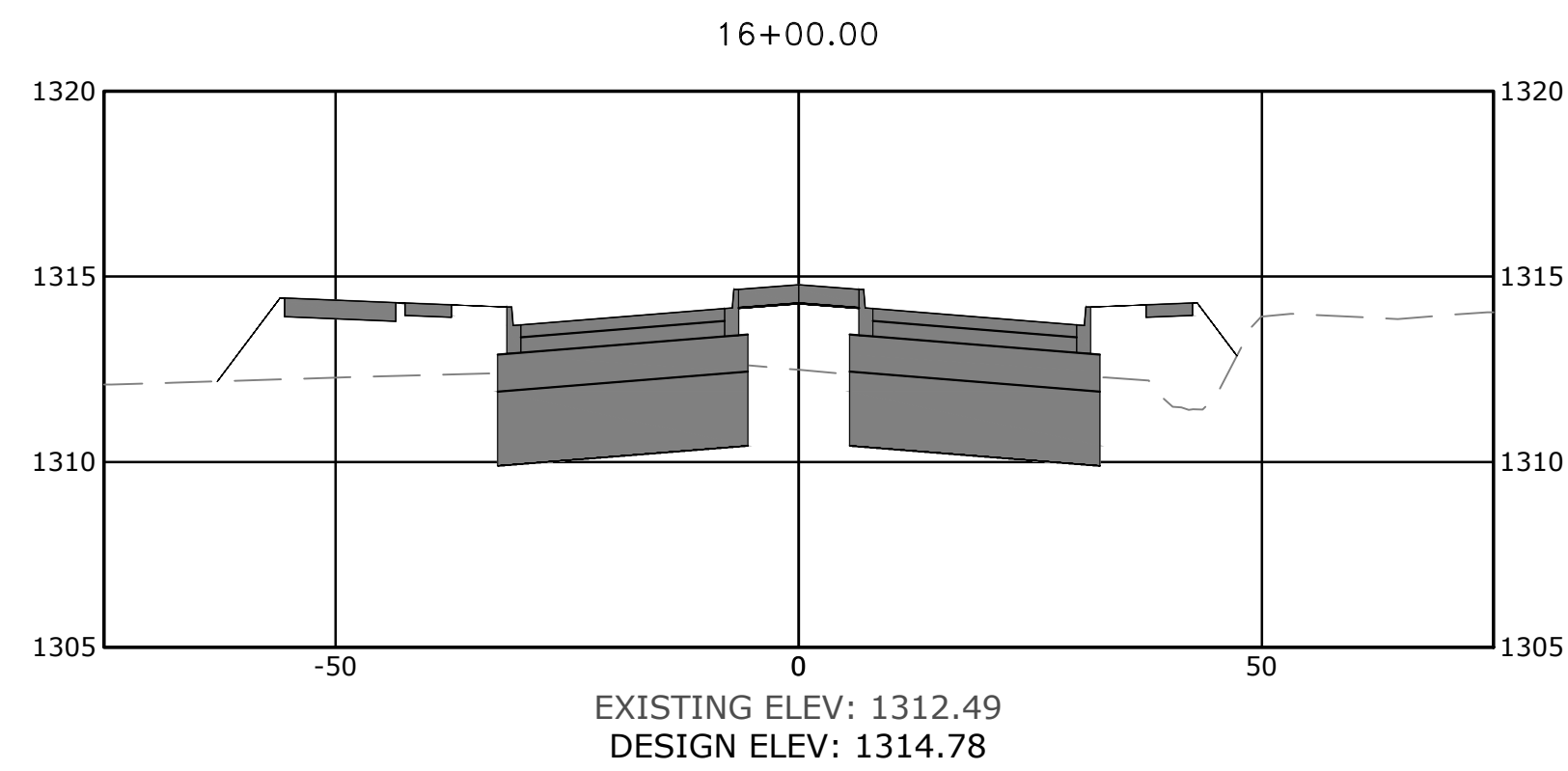
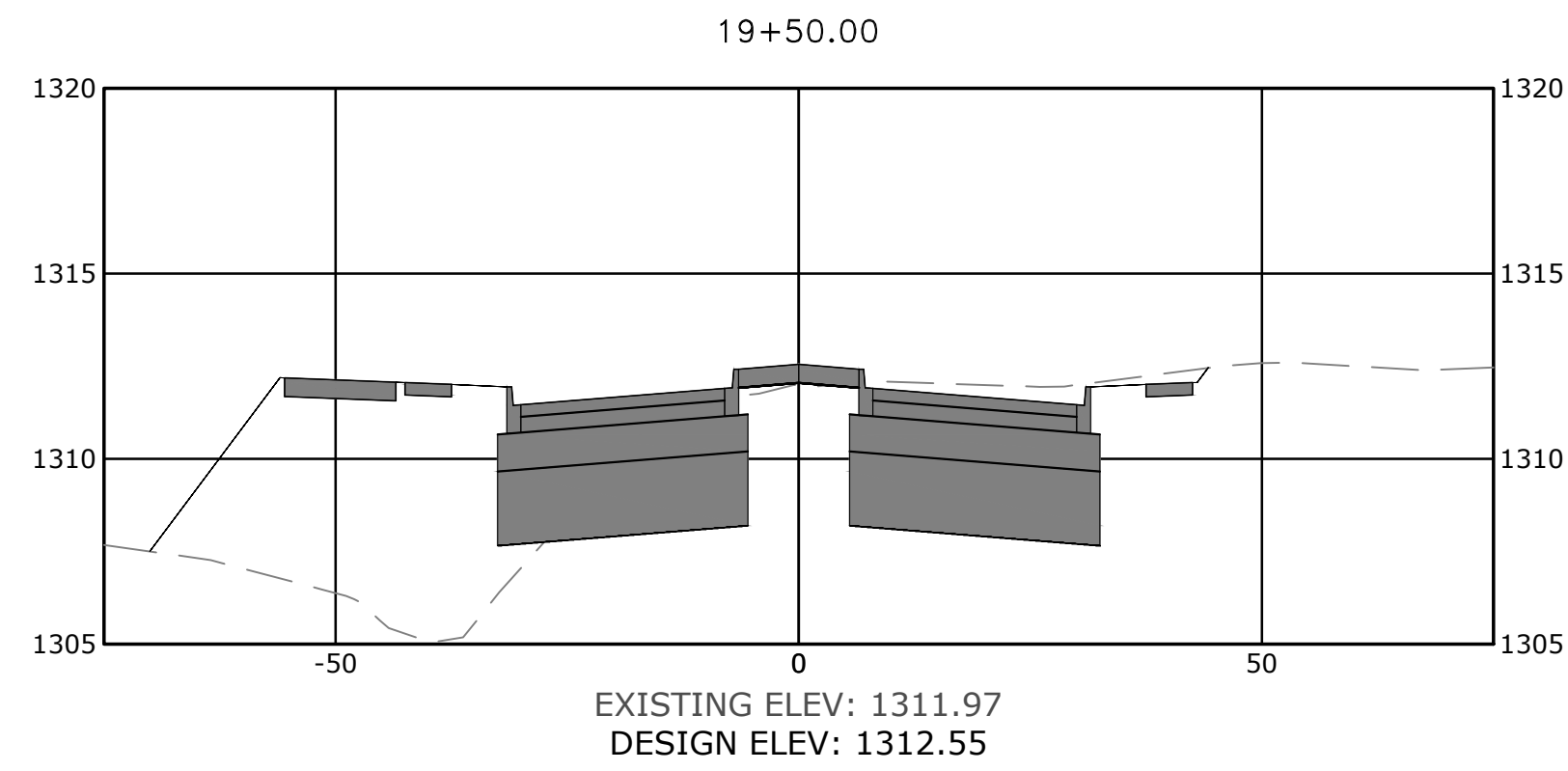
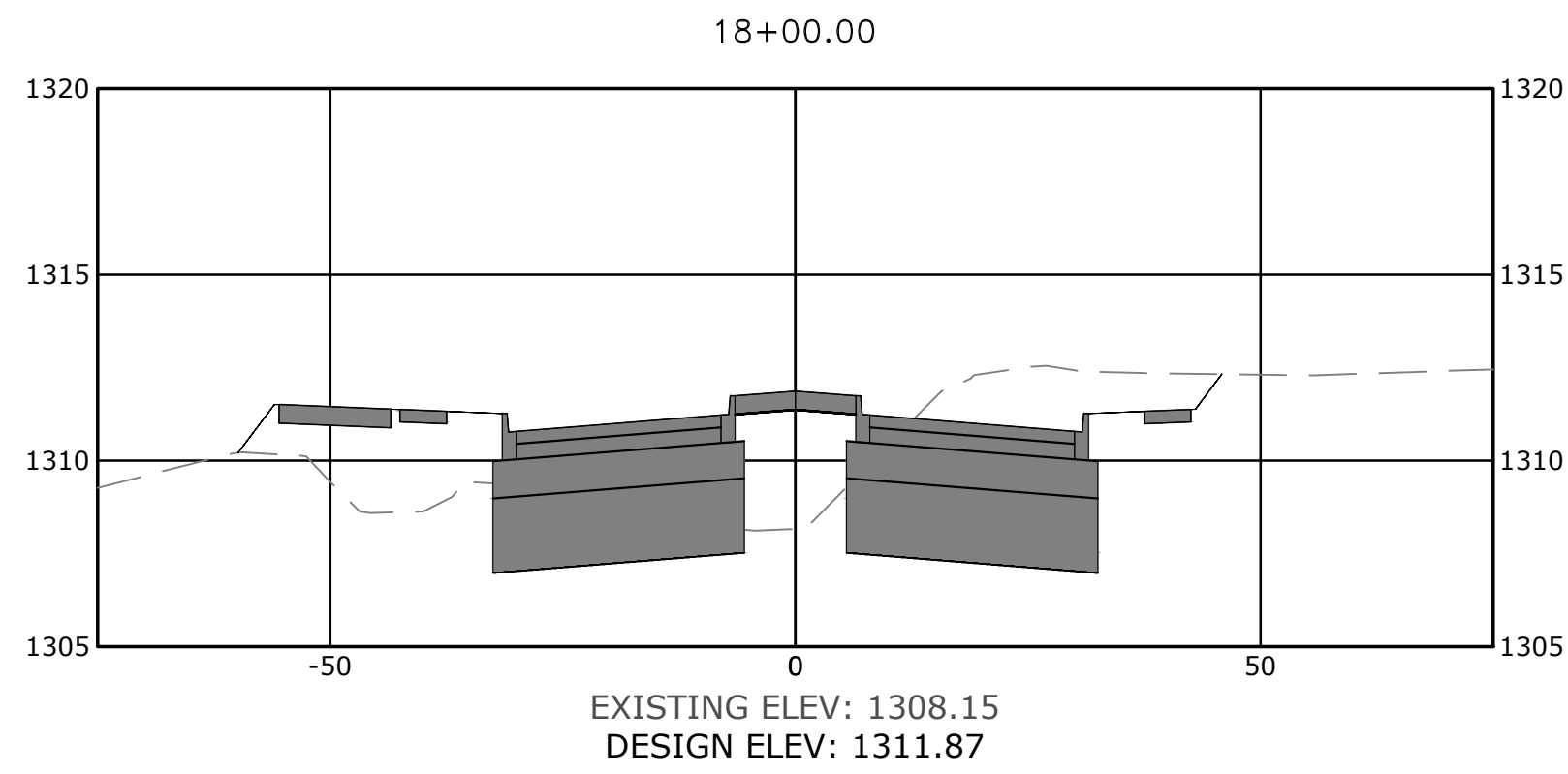
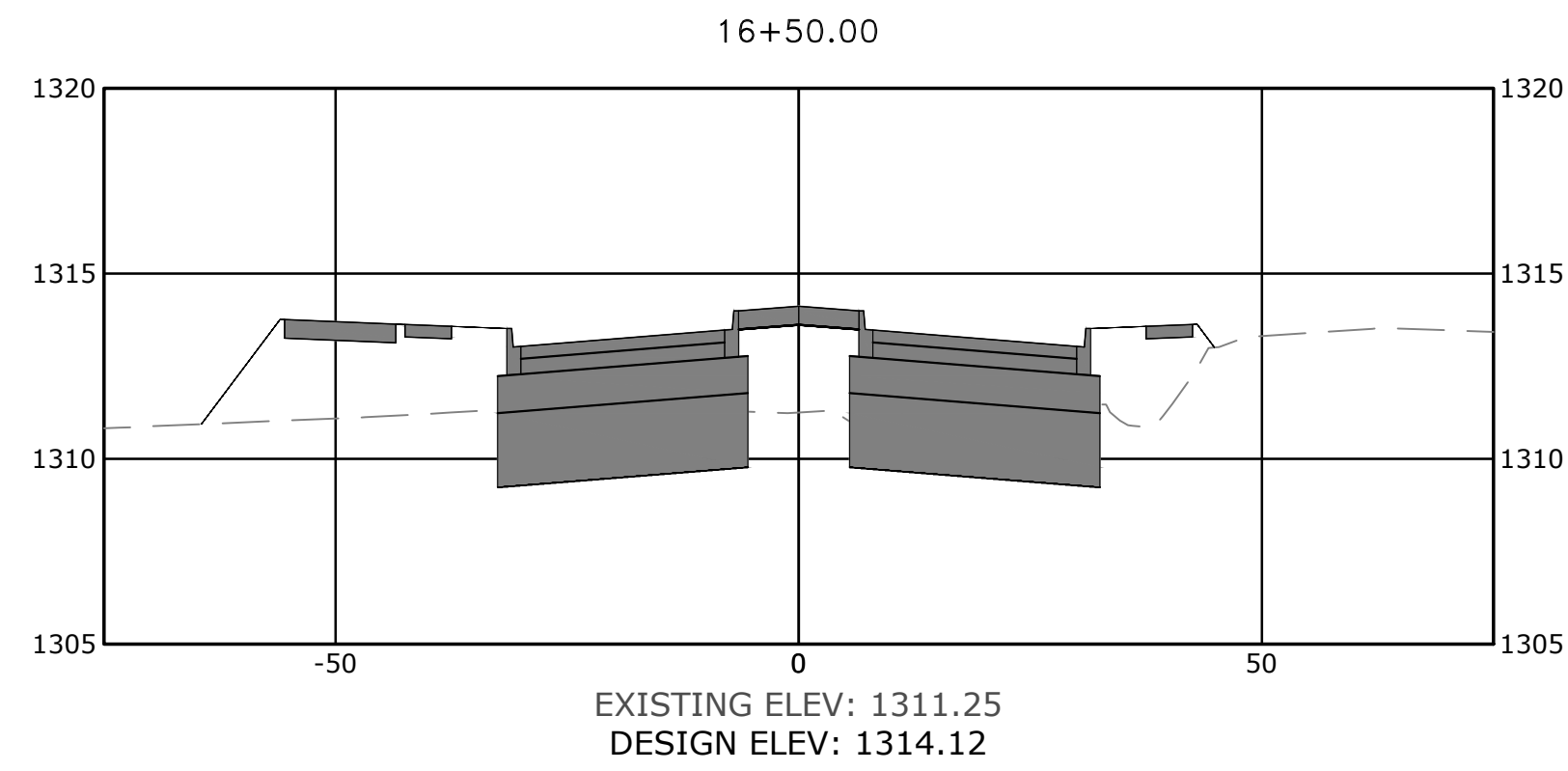


REV/ISIONS		DESCRIPTION
REV	DATE	

CROSS
SECTIONS
WATER TOWER
RD.- STA.
11+00 TO STA.
15+00

DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: NTS	JOB NUMBER: 21-2147

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SE. 6TH ST. TO BATTLEFIELD BLVD.
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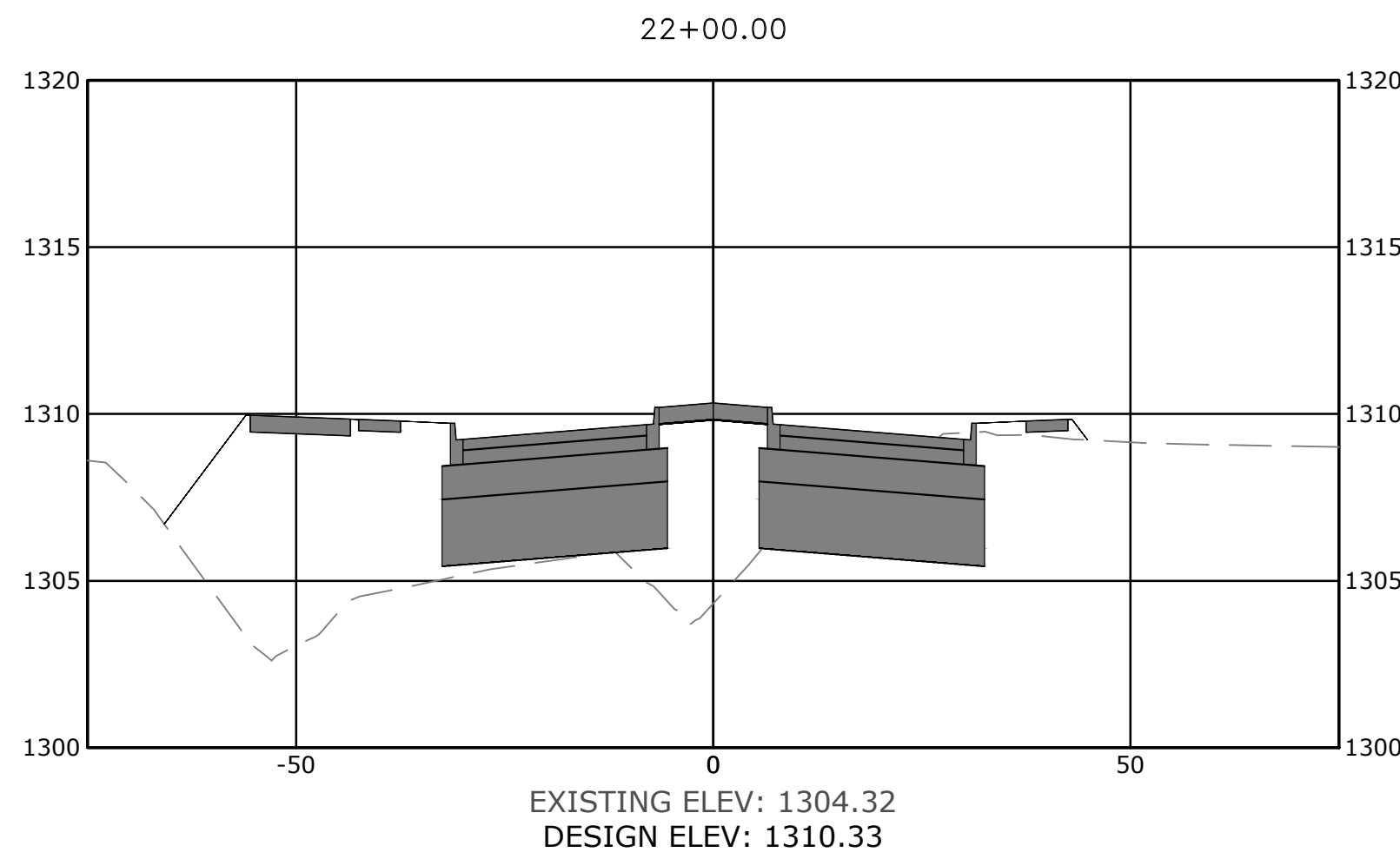
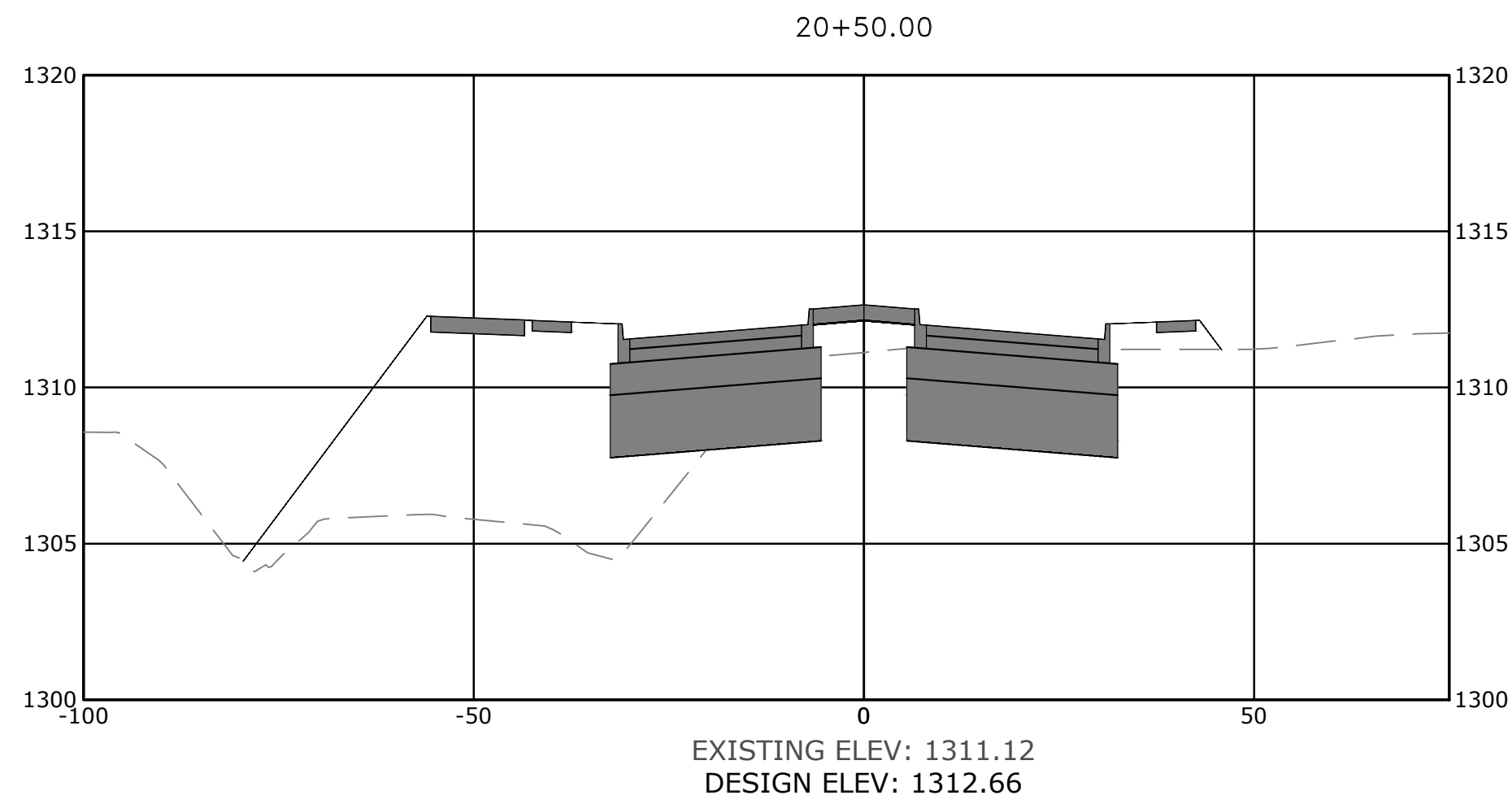
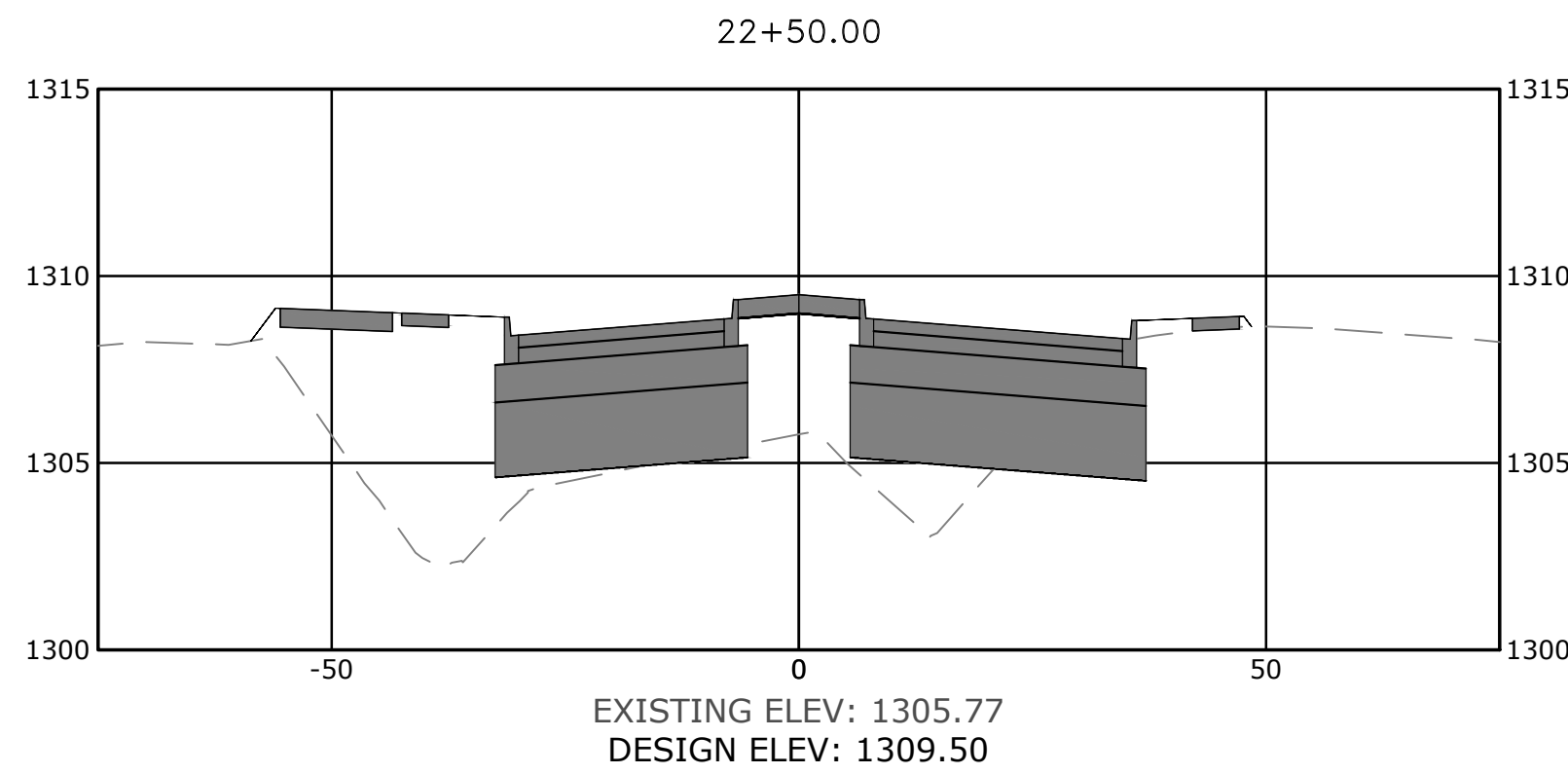
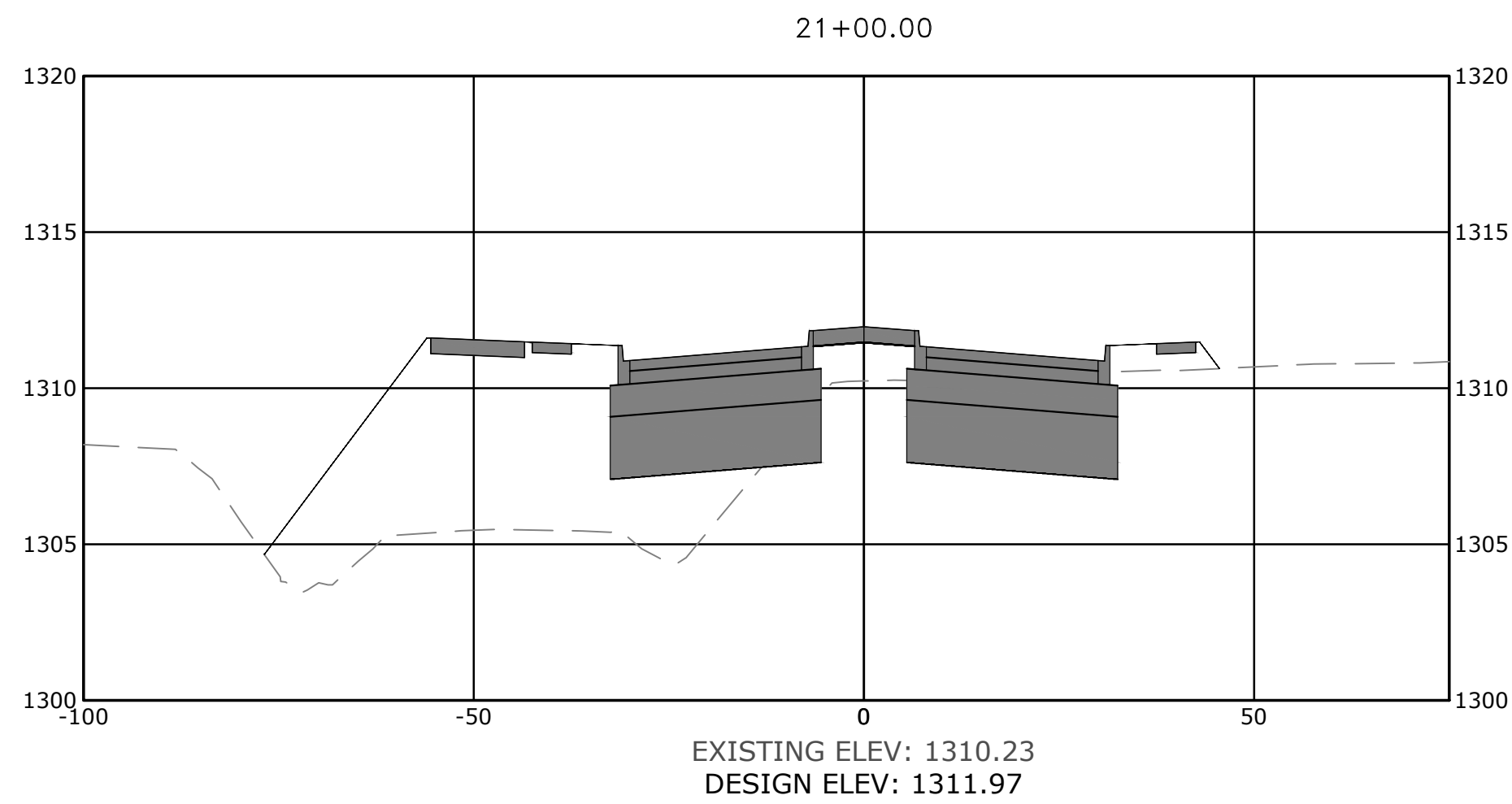
REV	DATE	DESCRIPTION

CROSS
SECTIONS
WATER TOWER
RD.- STA.
15+50 TO STA.
19+50

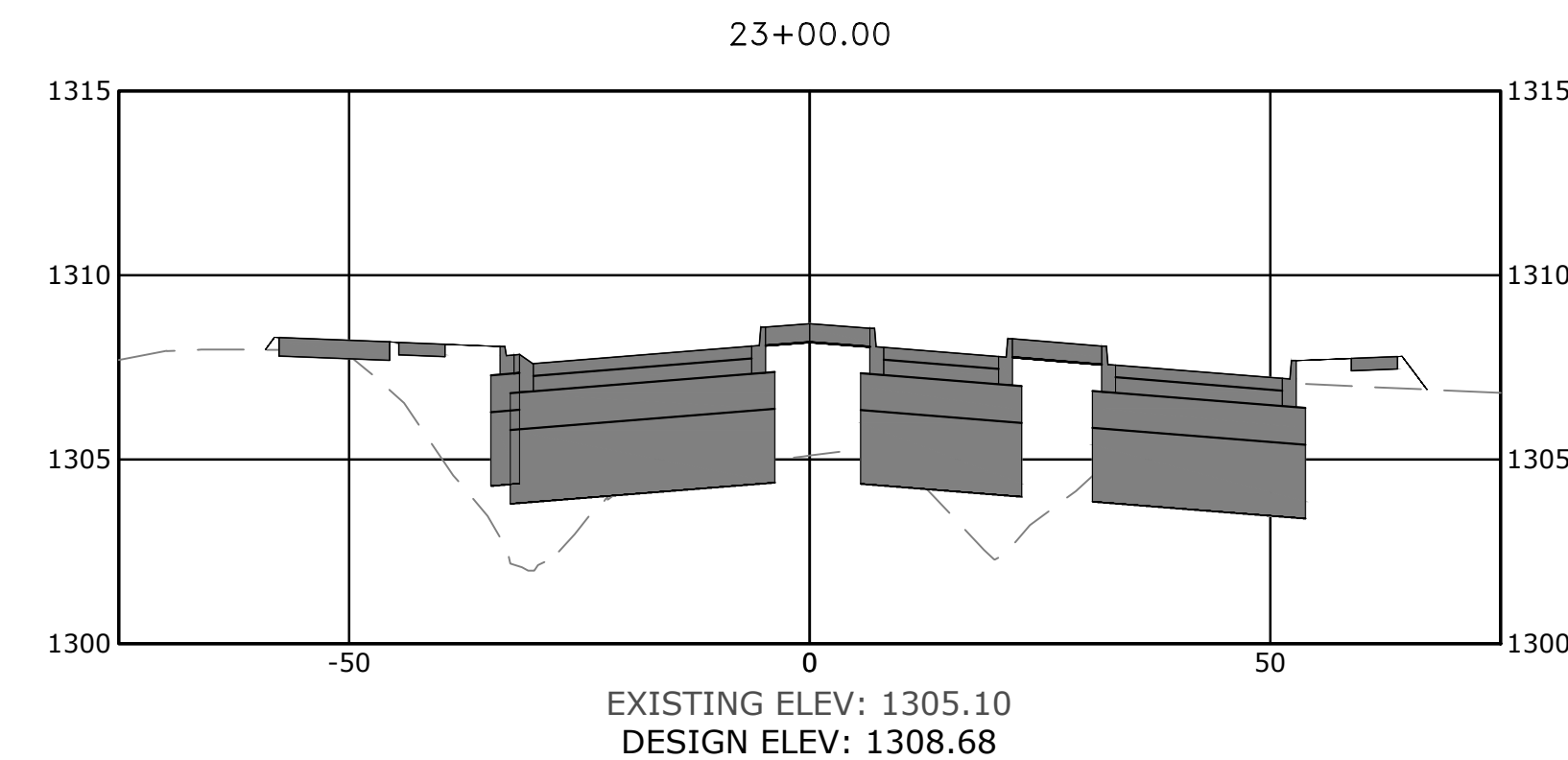
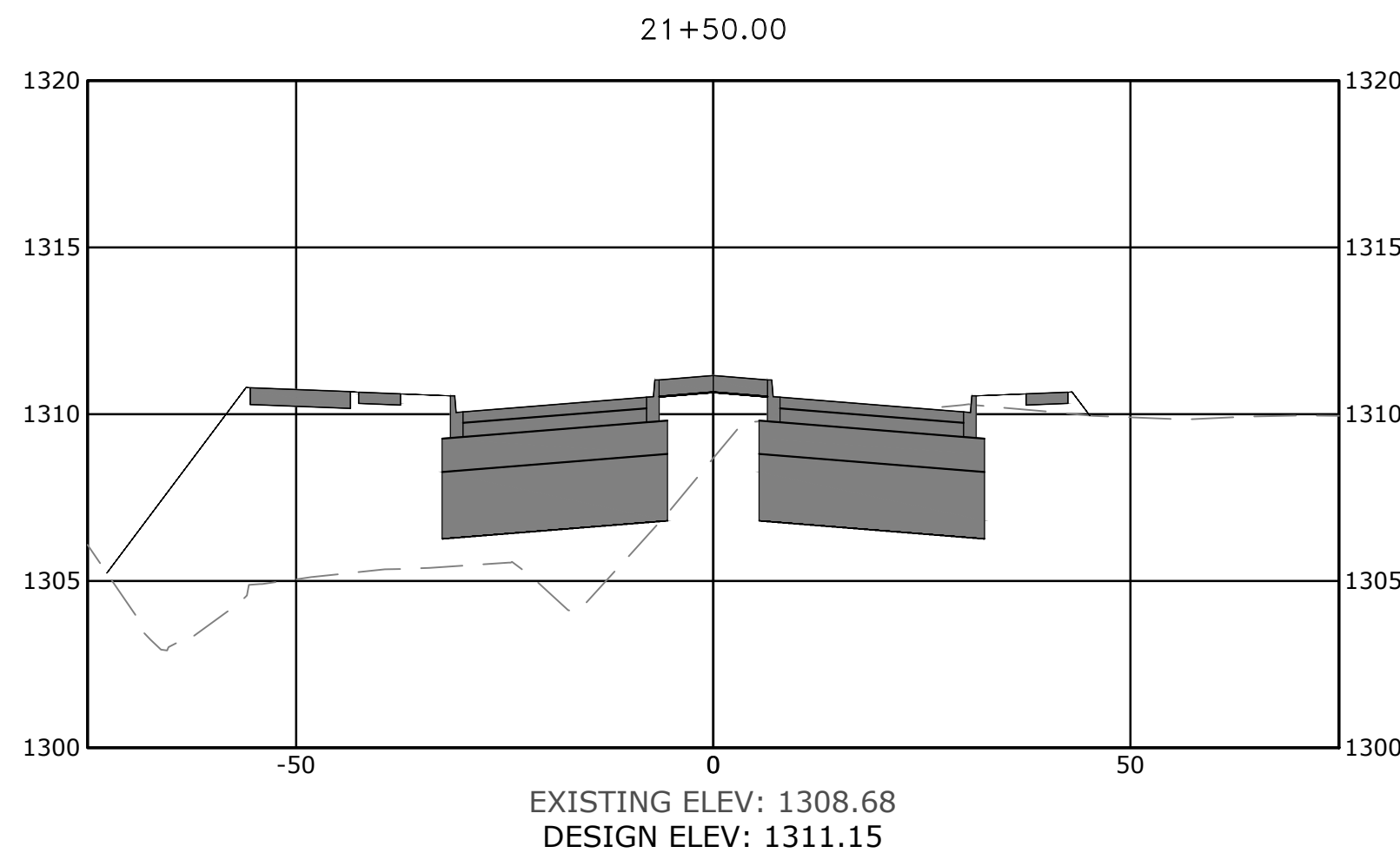
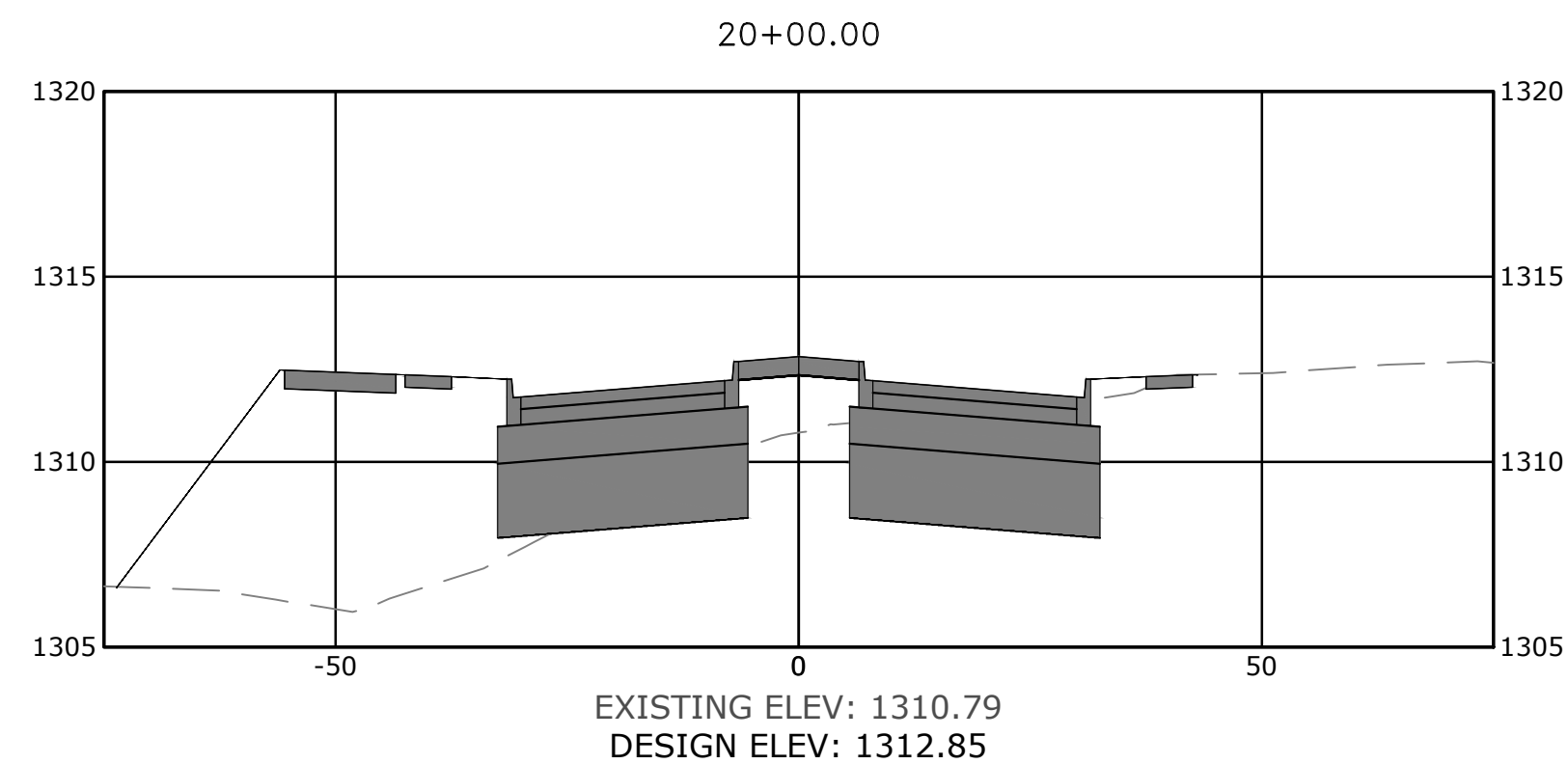
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DATE: 1/31/2022	REVISION: 30%
SCALE: NTS	JOB NUMBER: 21-2147

XS-5

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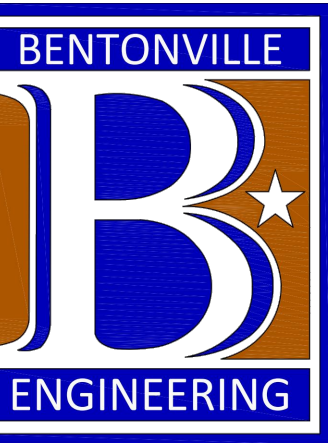
SEE SHEET PP-6 FOR DESIGN OF ROUNDABOUT FROM STA. 23+00 TO STA. 27+08. SEE SHEETS PP-9 AND PP-10 FOR DESIGN OF ROUNDABOUT FROM STA. 100+00 TO STA. 106+73. GRADING OF ROUNDABOUT SHALL BE COMPLETED AS PART OF 60% SUBMITTAL PLAN SET.



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WATER TOWER RD. PH.3
SE. 6TH ST. TO BATTLEFIELD BLVD.
BENTONVILLE, AR



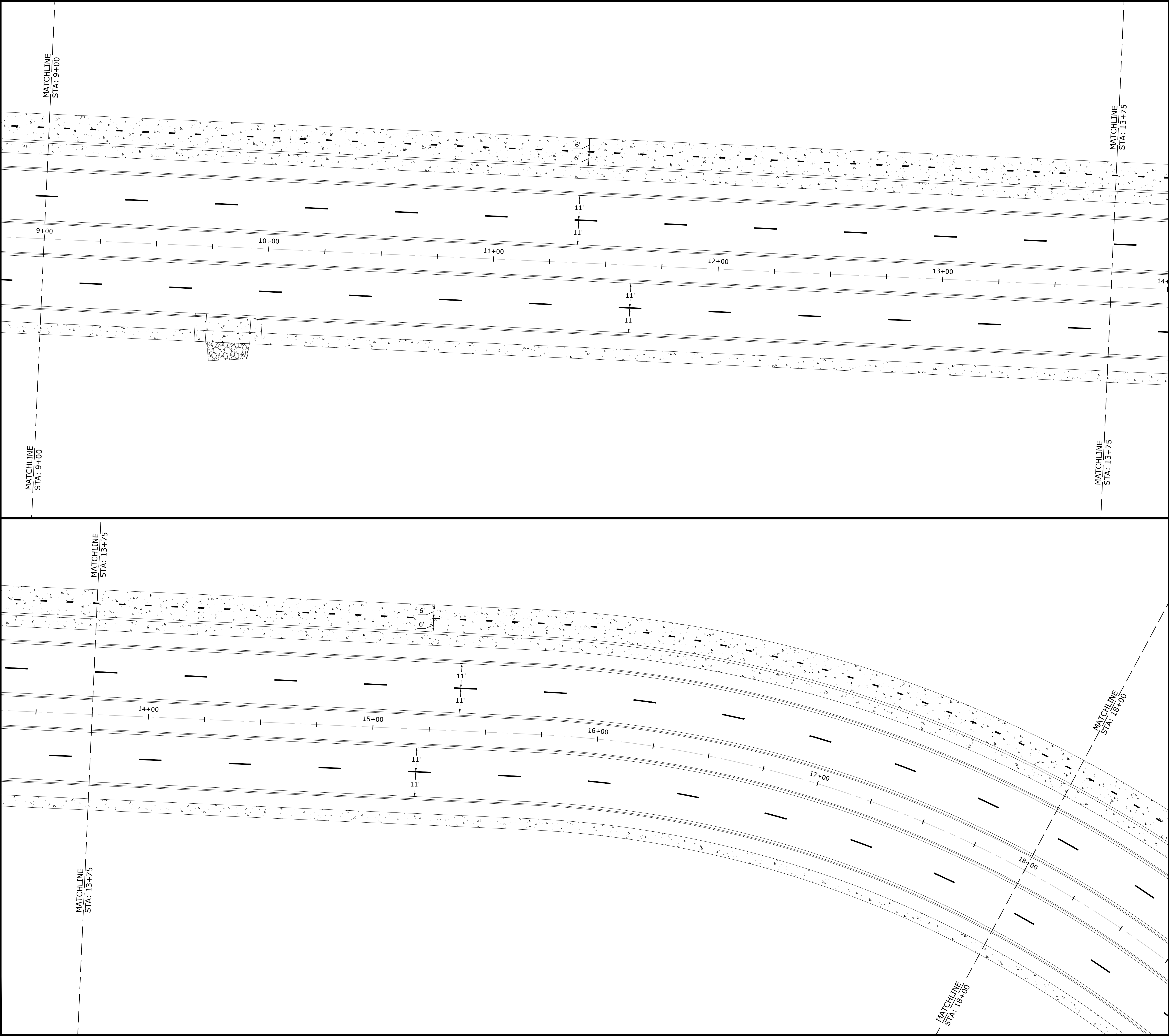
REV		DATE	DESCRIPTION

CROSS
SECTIONS
WATER TOWER
RD.- STA.
20+00 TO STA.
23+00

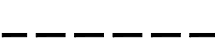
DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: NTS	JOB NUMBER: 21-2147

XS-6

W:\2021\21-2147 - Water Tower Road Phase III. 8th St. To E. Battfield Blvd\Design Drawings\Sheets\21-2147- Pavement Marking & Signage.dwg, PRINTED ON: January 31, 2022 @ 2:59 PM



PROPOSED LEGEND



CURB AND GUTTER

PAVEMENT MARKING SYMBOL (AS INDICATED)

SOLID STRIPING

SKIP STRIPING

CROSSWALK STRIPING

PROPOSED CENTERLINE

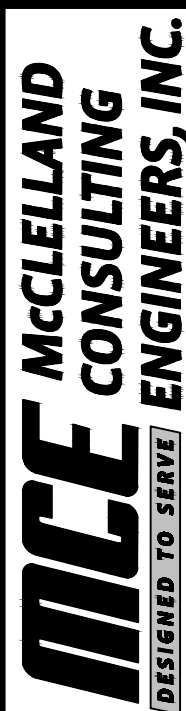
YIELD LINE, WHITE THERMOPLASTIC

DASHED ENTRY STRIPING

DASHED EXIT STRIPING


PLAN SCALE

(IN FEET)
1 inch = 20ft.



DESIGNED TO SERVE
MCE McClelland
CONSULTING
ENGINEERS, INC.
1580 E. STEARNS ST.
FAYETTEVILLE, ARKANSAS 72703
(479) 443-2377
HTTP://WWW.MCE.US.COM

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BENTONVILLE, AR



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REVISIONS		DESCRIPTION	
REV	DATE	DESCRIPTION	

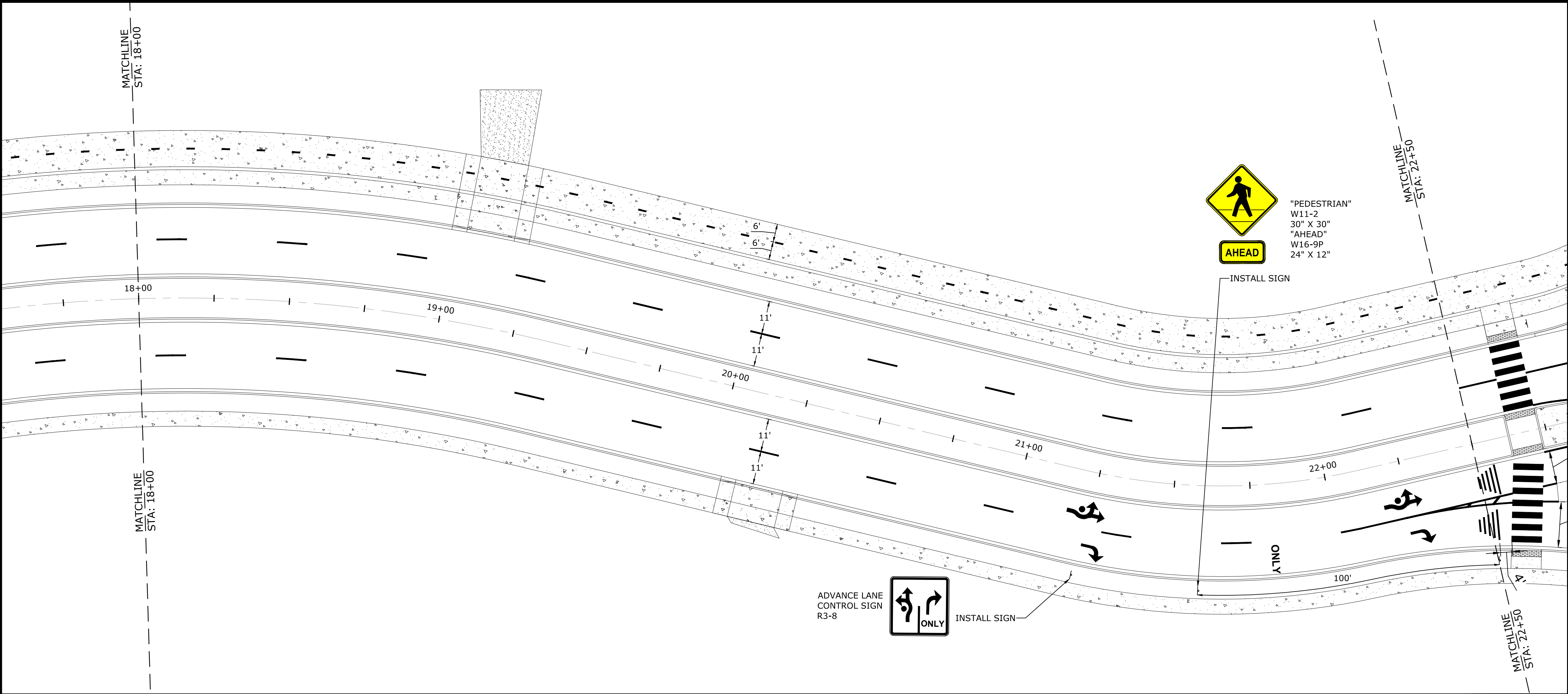
PAVEMENT
MARKING AND
SIGNAGE
PLAN- STA.
9+00 TO STA.
18+00

DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: 1" = 20'	JOB NUMBER: 21-2147

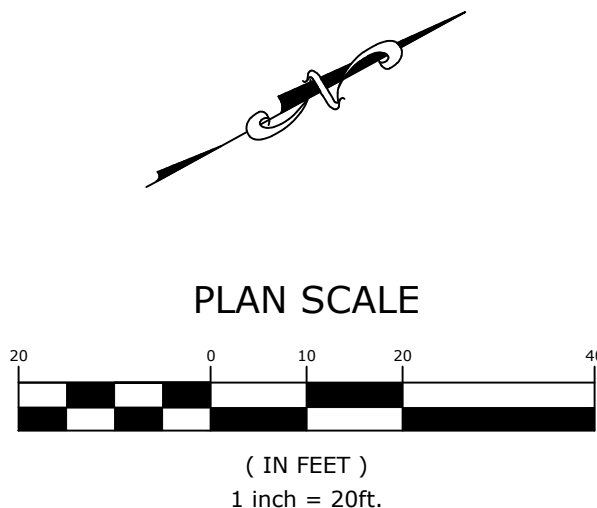
PM-2

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PROPOSED LEGEND	
	CURB AND GUTTER
	PAVEMENT MARKING SYMBOL (AS INDICATED)
	SOLID STRIPING
	SKIP STRIPING
	CROSSWALK STRIPING
	PROPOSED CENTERLINE
	YIELD LINE, WHITE THERMOPLASTIC
	DASHED ENTRY STRIPING
	DASHED EXIT STRIPING



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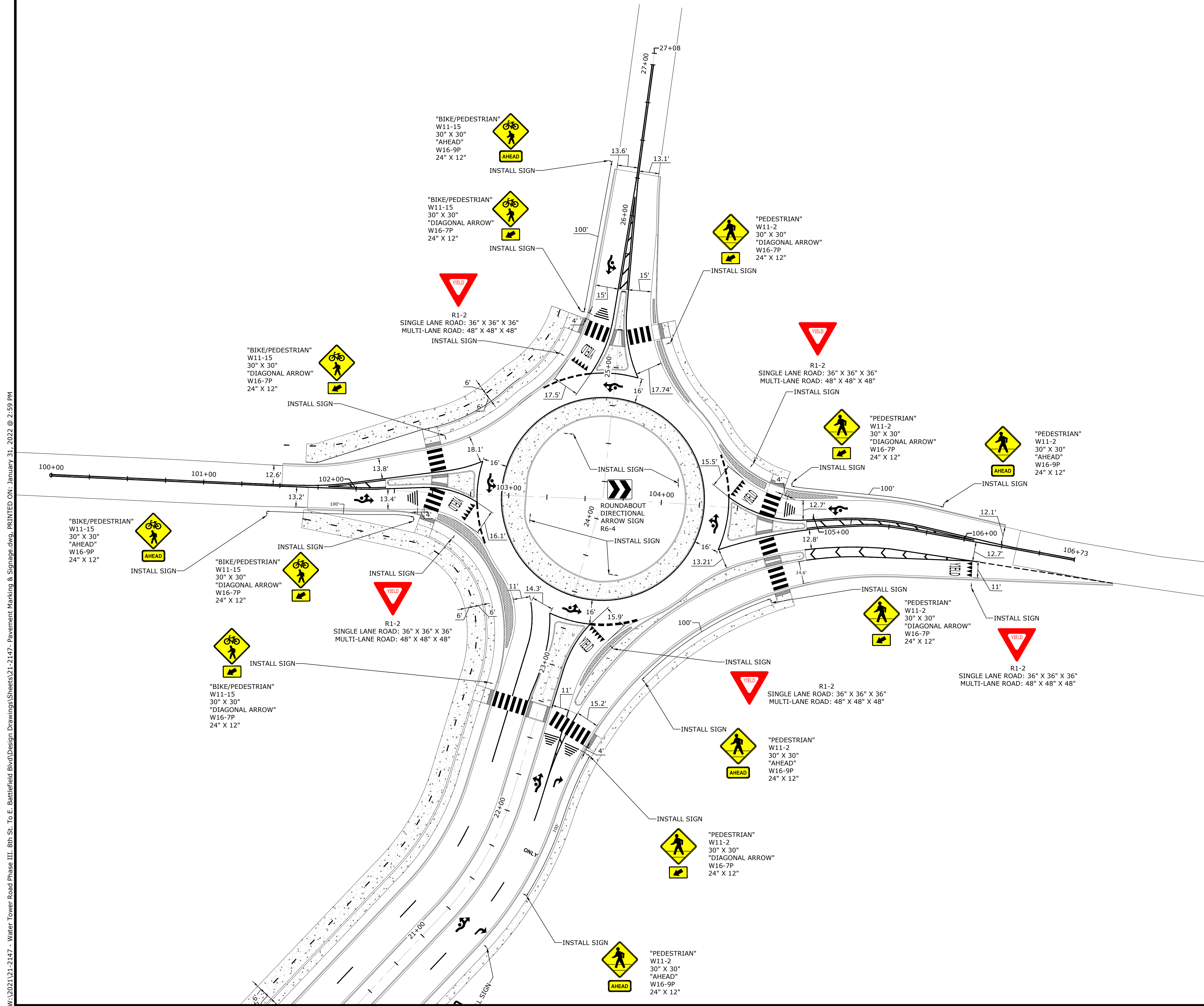
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REVISIONS	
REV	DESCRIPTION

PAVEMENT MARKING AND SIGNAGE
PLAN- STA.
18+00 TO STA.
22+50

DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: 1" = 20'	JOB NUMBER: 21-2147

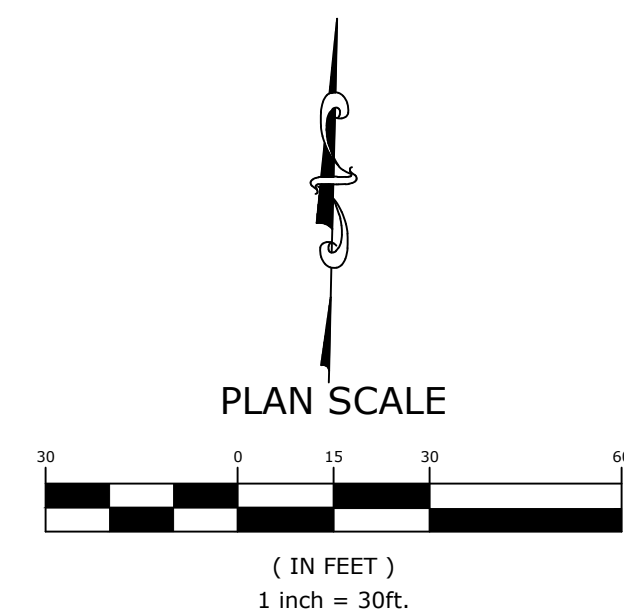
PM-3



CURB AND GUTTER
PAVEMENT MARKING SYMBOL (AS INDICATED)
SOLID STRIPING
SKIP STRIPING

CROSSWALK STRIPING

PROPOSED CENTERLINE
YIELD LINE, WHITE THERMOPLASTIC
DASHED ENTRY STRIPING
DASHED EXIT STRIPING



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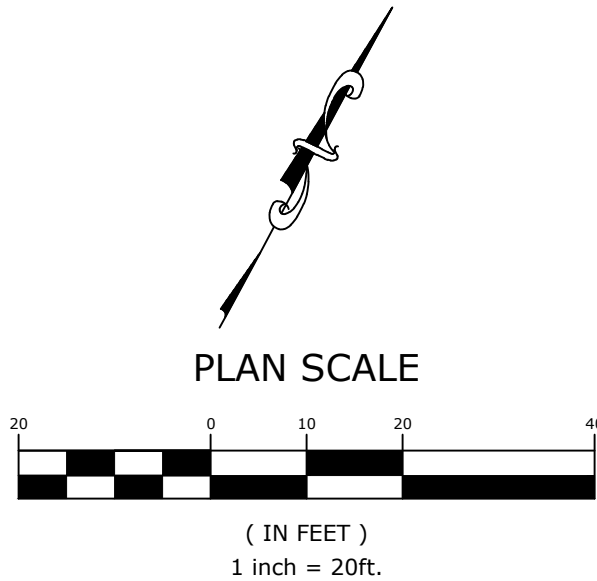
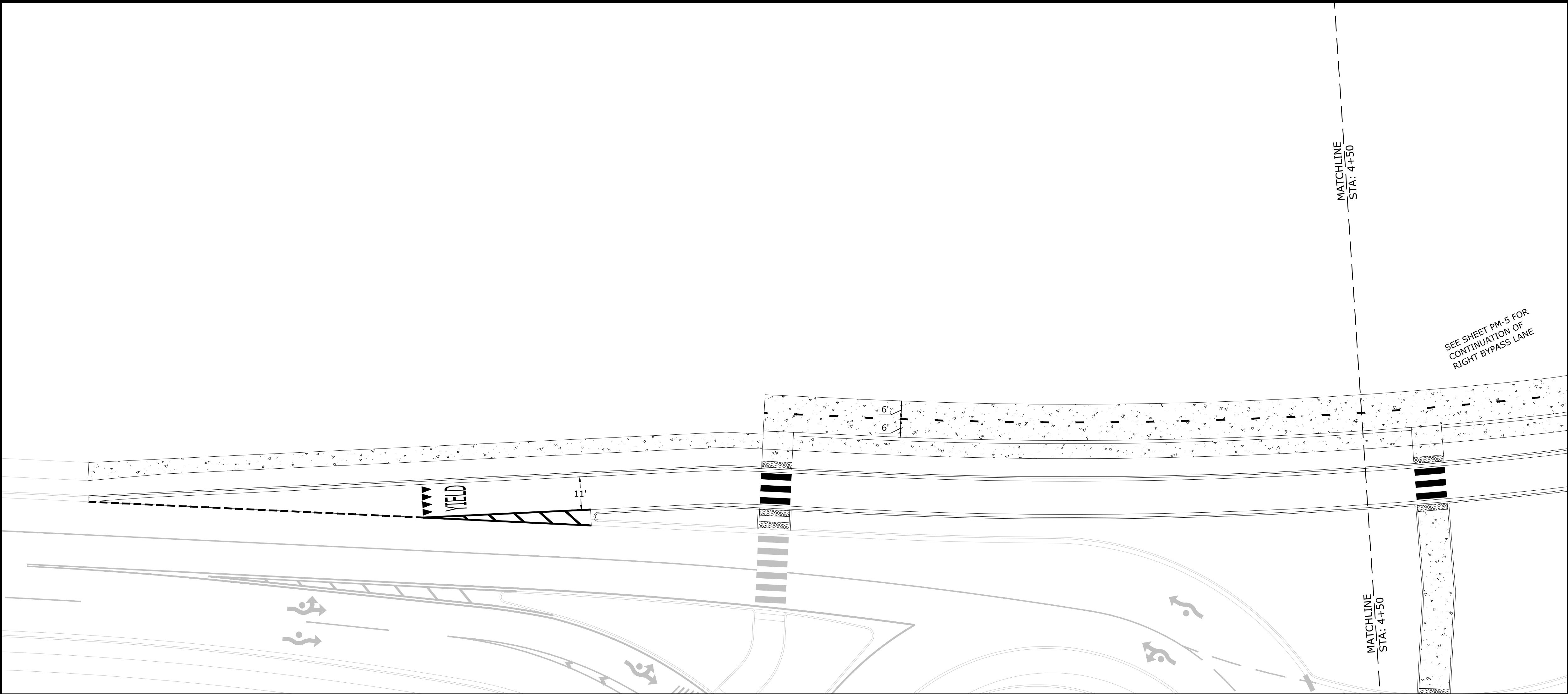
[illegible]

PAVEMENT MARKING AND SIGNAGE PLAN- ROUNDBOUT

DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: 1"=30'	JOB NUMBER: 21-2147

PM-4

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PROPOSED LEGEND	
	CURB AND GUTTER
	PAVEMENT MARKING SYMBOL (AS INDICATED)
	SOLID STRIPING
	SKIP STRIPING
	CROSSWALK STRIPING
	PROPOSED CENTERLINE
	YIELD LINE, WHITE THERMOPLASTIC
	DASHED ENTRY STRIPING
	DASHED EXIT STRIPING

MCE McClelland Consulting Engineers, Inc.
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REV	DATE	

PVMT.
MARKING AND
SIGNAGE
PLAN- SE. 8TH
ST.
CONNECTION

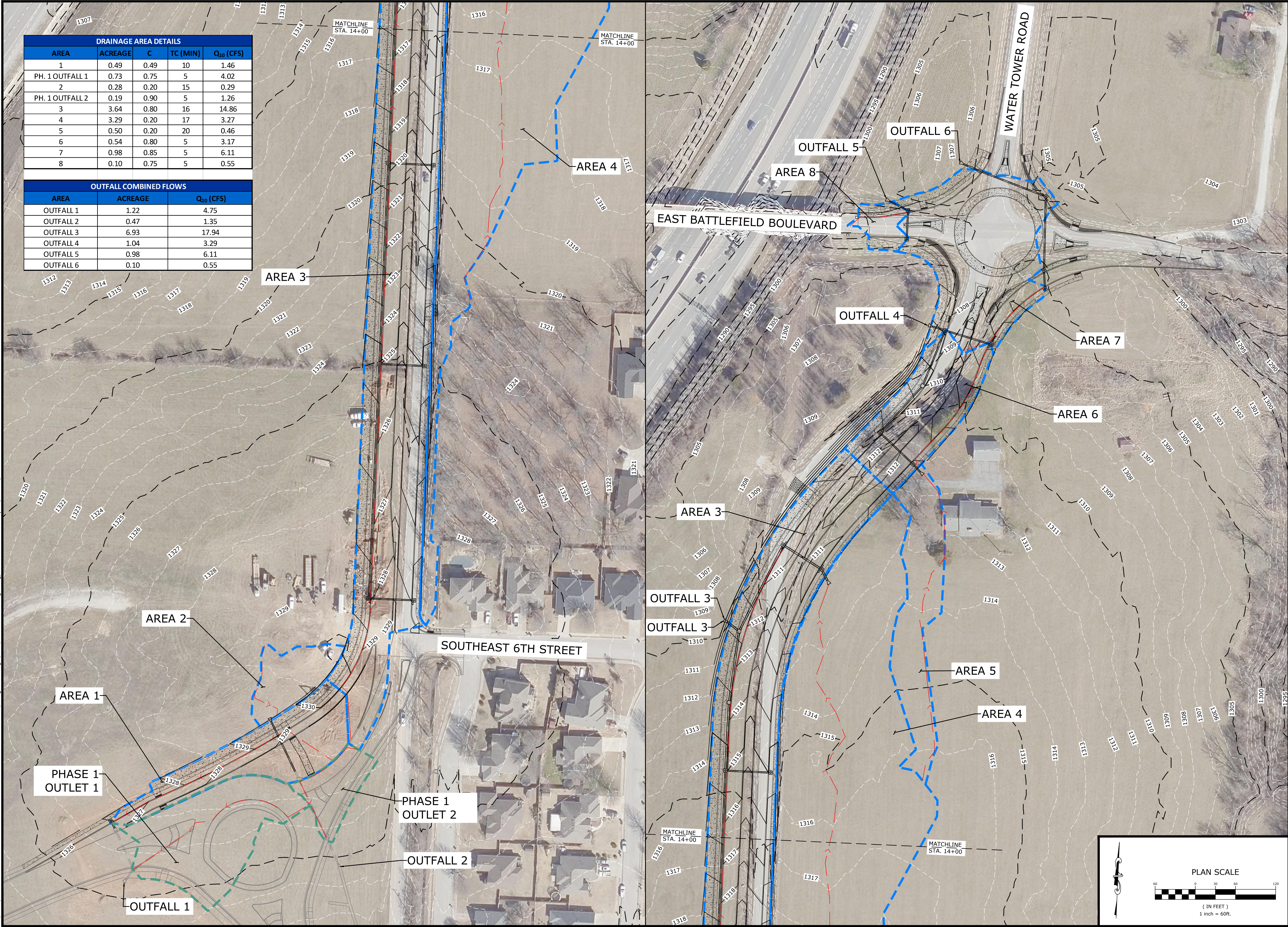
DESIGNED BY: ELA	DRAWN BY : WAS
DATE: 1/31/2022	REVISION: 30%
SCALE: 1" = 20'	JOB NUMBER: 21-2147

PM-5

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DRAINAGE AREA DETAILS				
AREA	ACREAGE	C	TC (MIN)	Q ₁₀ (CFS)
1	0.49	0.49	10	1.46
PH. 1 OUTFALL 1	0.73	0.75	5	4.02
2	0.28	0.20	15	0.29
PH. 1 OUTFALL 2	0.19	0.90	5	1.26
3	3.64	0.80	16	14.86
4	3.29	0.20	17	3.27
5	0.50	0.20	20	0.46
6	0.54	0.80	5	3.17
7	0.98	0.85	5	6.11
8	0.10	0.75	5	0.55

OUTFALL COMBINED FLOWS		
AREA	ACREAGE	Q ₁₀ (CFS)
OUTFALL 1	1.22	4.75
OUTFALL 2	0.47	1.35
OUTFALL 3	6.93	17.94
OUTFALL 4	1.04	3.29
OUTFALL 5	0.98	6.11
OUTFALL 6	0.10	0.55



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REV	DATE	DESCRIPTION

DESIGNED BY:
ELA

DATE:
1/31/2022

SCALE:
1"=60'

DRAWN BY:
WAS

REVISION:
30%

JOB NUMBER:
21-2147

DMP-1