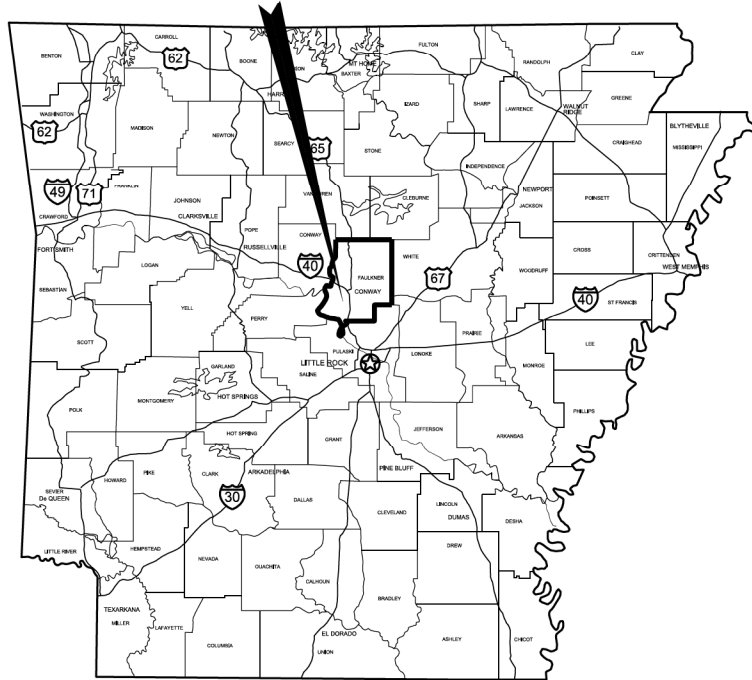


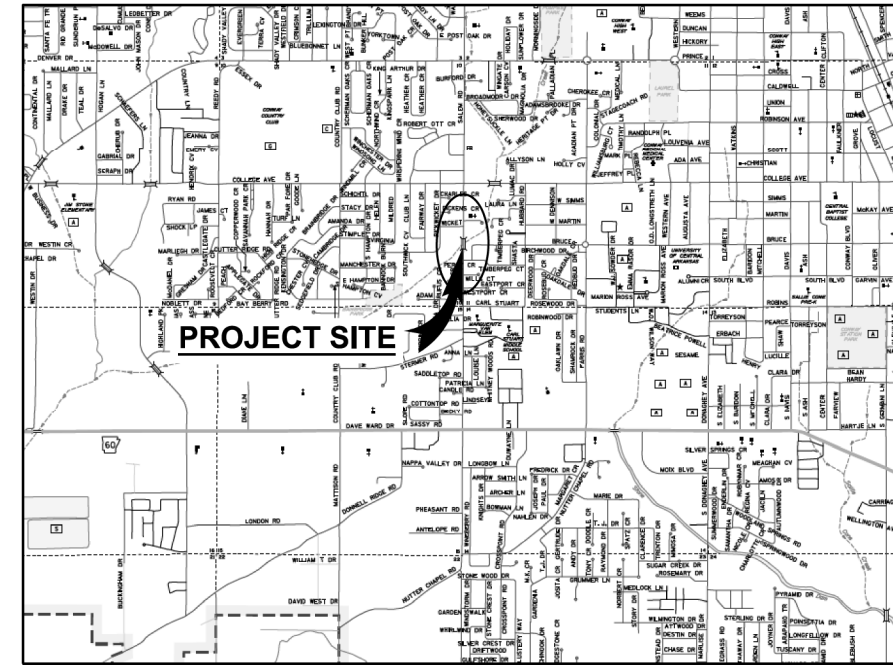
# SALEM RD. BRIDGE RECONSTRUCTION (CONWAY) (S)

## CITY OF CONWAY CONWAY, ARKANSAS FEDERAL AID PROJECT STPU-9095(44) ARDOT JOB 080668 CITY OF CONWAY JOB 18-120

### PROJECT LOCATION



**LOCATION MAP**



**VICINITY MAP**

NO SCALE

**GARVER PROJECT NO. 19T20182  
JUNE 2021**




831 Parkway  
Suite C  
Conway, AR 72034  
(501) 537-3293

### DESIGN TRAFFIC DATA

DESIGN YEAR -----2041  
2021 ADT ----- 12,000  
2041 DHV----- 1,617  
2041 ADT ----- 14,700  
TRUCKS ----- 1%  
DESIGN SPEED ----- 30 MPH  
DIRECTIONAL DISTRIBUTION ----- 60%

PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY

  
 CITY OF CONWAY  
 CONWAY, ARKANSAS  
 SALEM RD. BRIDGE RECONSTRUCTION  
 (CONWAY) (S)

COVER SHEET
JOB NO.: 19T20182 DATE: JUNE 2021 DESIGNED BY: DLT DRAWN BY: HJB
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DRAWING NUMBER <b>G-001</b>
SHEET NUMBER <b>1</b>

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 REVISION DATE:

INDEX OF SHEETS			
SHEET NO.	TITLE	DRAWING NO.	DATE
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2	INDEX OF SHEETS, GENERAL NOTES AND LEGEND	G-002	
3-5	TYPICAL SECTIONS	C-101 TO C-103	
6-17	MAINTENANCE OF TRAFFIC PLAN	C-401 TO C-412	
18	SURVEY CONTROL DETAILS	C-501	
19-21	PLAN AND PROFILE - SALEM RD.	C-601 TO C-603	
22	PLAN AND PROFILE - SIDE STREETS	C-604	
23-24	PLAN AND PROFILE - KINLEY TRAIL - LOWER	C-605 TO C-606	
25	PLAN AND PROFILE - KINLEY TRAIL - UPPER (WEST)	C-607	
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27-32	DRAINAGE PLAN AND PROFILE - SALEM RD.	C-701 TO C-706	
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42	DETAILS OF STAGED CONSTRUCTION	S-103	
43-55	CROSS SECTIONS	CX-1 TO CX-13	

**GENERAL NOTES:**

- CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS; HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. SOME UTILITIES MAY HAVE BEEN RELOCATED SINCE THE TIME OF DESIGN AND THE CONTRACTOR'S NOTICE TO PROCEED. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM. THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE, AND ARE THE LOCATIONS AT THE TIME OF DESIGN.
- GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
- ALL PIPE LINES, POWER, TELEPHONE AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U. S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
- ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM - UNCLASSIFIED EXCAVATION.
- PIPE BEDDING SHALL BE TYPE I FOR CIRCULAR R.C. PIPE CULVERTS AND TYPE II FOR R.C. ARCH PIPE CULVERTS.

**LEGEND**

	BOREHOLE		EXISTING CENTERLINE
	CONTROL POINTS		EXISTING MAJOR CONTOUR
	SIGN		EXISTING MINOR CONTOUR
	GAS METER		EXISTING STRUCTURE
	SANITARY MANHOLE		EXISTING FENCE
	WATER VALVE		EXISTING STORM DRAIN
	WATER METER		EXISTING TREE LINE
	STORM DRAIN MANHOLE		EXISTING PROPERTY LINE
	TELEPHONE RISER		EXISTING RIGHT-OF-WAY
	ELECTRIC JUNCTION BOX		EXISTING EASEMENT
	FIBER OPTIC MANHOLE		EXISTING GAS UTILITY
	UTILITY POLE		EXISTING SANITARY UTILITY
	GUY ANCHOR		EXISTING WATER UTILITY
	LIGHT POLE		EXISTING UNDERGROUND TELEPHONE UTILITY
			EXISTING OVERHEAD ELECTRIC UTILITY
			PROPOSED RIGHT-OF-WAY
			PROPOSED TEMP. CONST. EASEMENT
			PROPOSED PERMANENT EASEMENT
			PROPOSED CENTERLINE
			PROPOSED STORM DRAIN
			PROPOSED TOP-OF-BANK
			PROPOSED TOE-OF-SLOPE
			PROPOSED SPECIAL DITCH
			PROPOSED SILT FENCE

REV.	DATE	DESCRIPTION	BY

**PRELIMINARY PLANS  
 NOT FOR CONSTRUCTION**

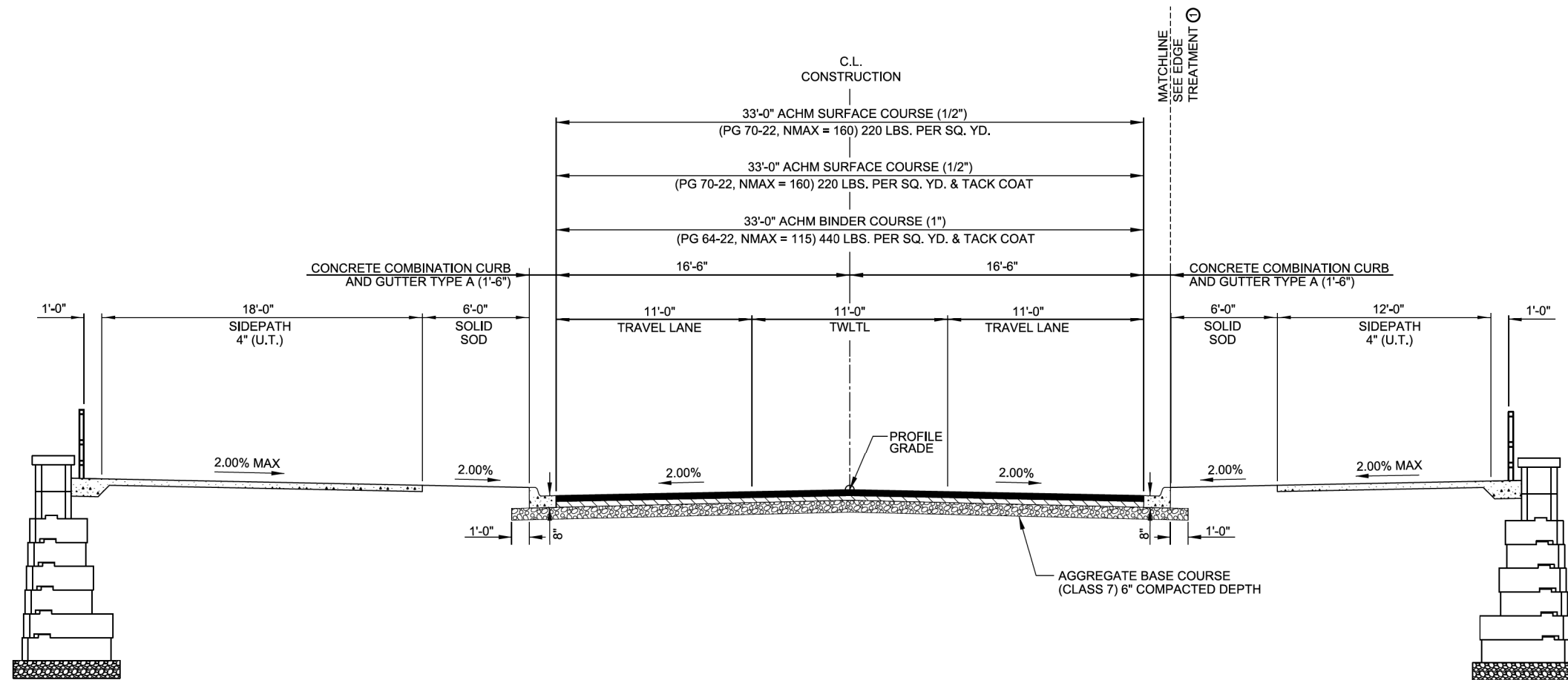


**INDEX OF SHEETS,  
 GENERAL NOTES AND  
 LEGEND**

JOB NO.: 19T20182  
 DATE: JUNE 2021  
 DESIGNED BY: DLT  
 DRAWN BY: HJB

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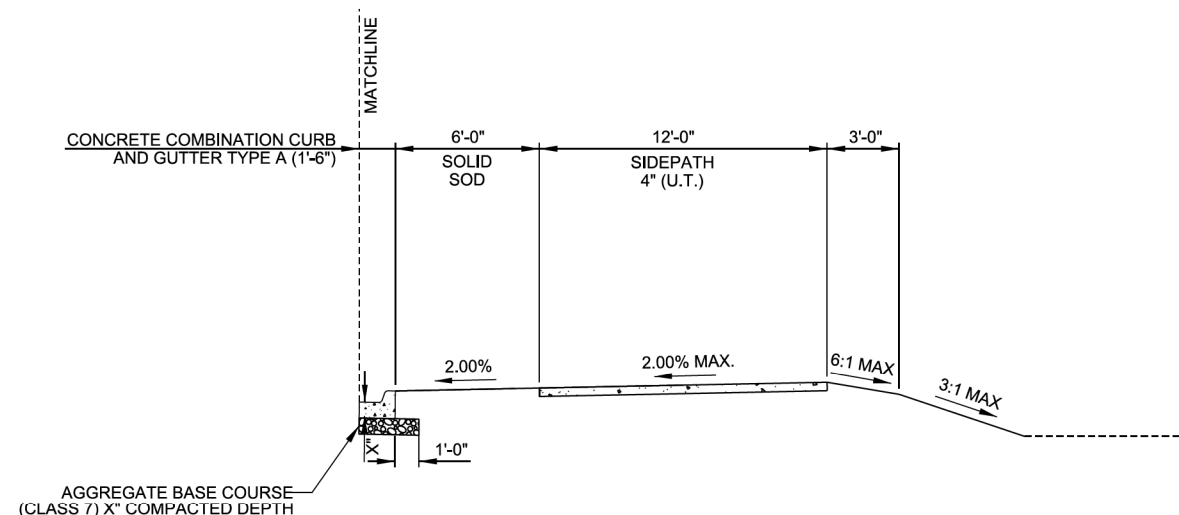
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**G-002**  
 SHEET NUMBER  
**2**



**TYPICAL SECTION**  
SALEM RD. - STA. 48+00.00 TO STA. 53+12.00

**TYPICAL SECTION GENERAL NOTES**

1. REFER TO CROSS SECTIONS FOR DEVIATIONS FROM NORMAL SLOPES. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.
2. THE THICKNESS OF AGG. BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS OF THE TOLERANCE INDICATED.
3. THE FINAL 2" OF SURFACE COURSE IS TO BE PLACED AFTER ALL OTHER COURSES HAVE BEEN LAID. LONGITUDINAL JOINTS SHALL BE AT THE LANE LINES.
4. THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE TO THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
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**① EDGE TREATMENT**  
STA. 48+00.00 TO 48+90.00

PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY

**CITY OF CONWAY**  
CONWAY, ARKANSAS

SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

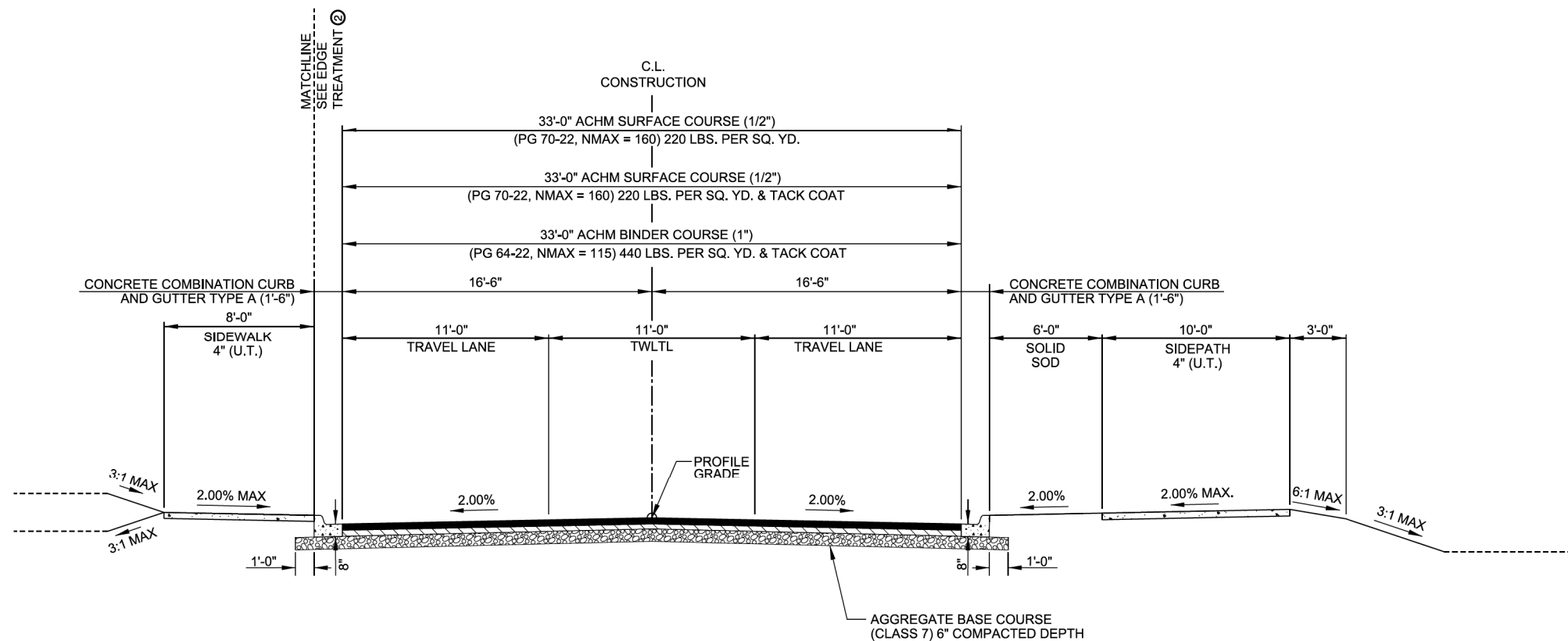
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JOB NO.: 19T20182  
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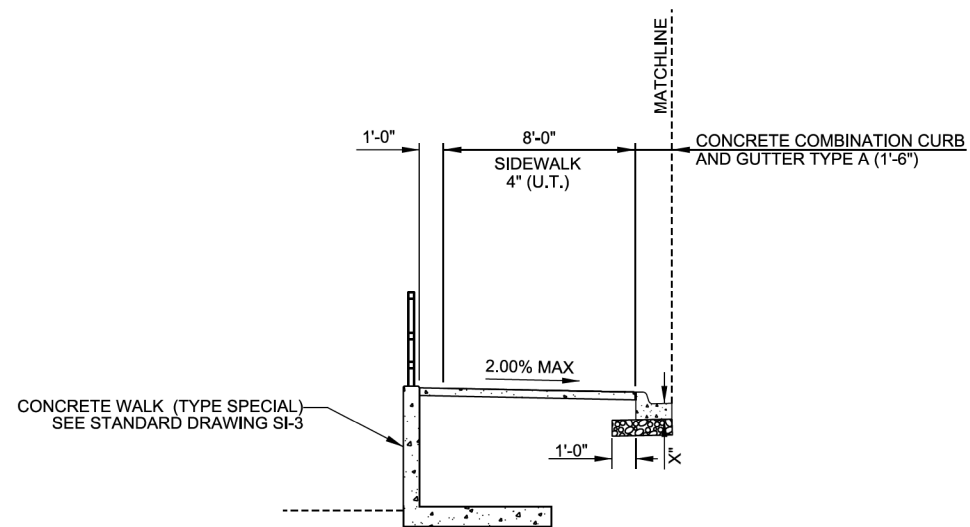
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SHEET NUMBER **3**



**TYPICAL SECTION**

SALEM RD. - STA. 53+12.00 TO STA. 56+10.00



**② EDGE TREATMENT**

STA. 53+32.01 TO STA. 54+13.00

**TYPICAL SECTION GENERAL NOTES**

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SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

TYPICAL SECTIONS  
(SHEET 2 OF 3)

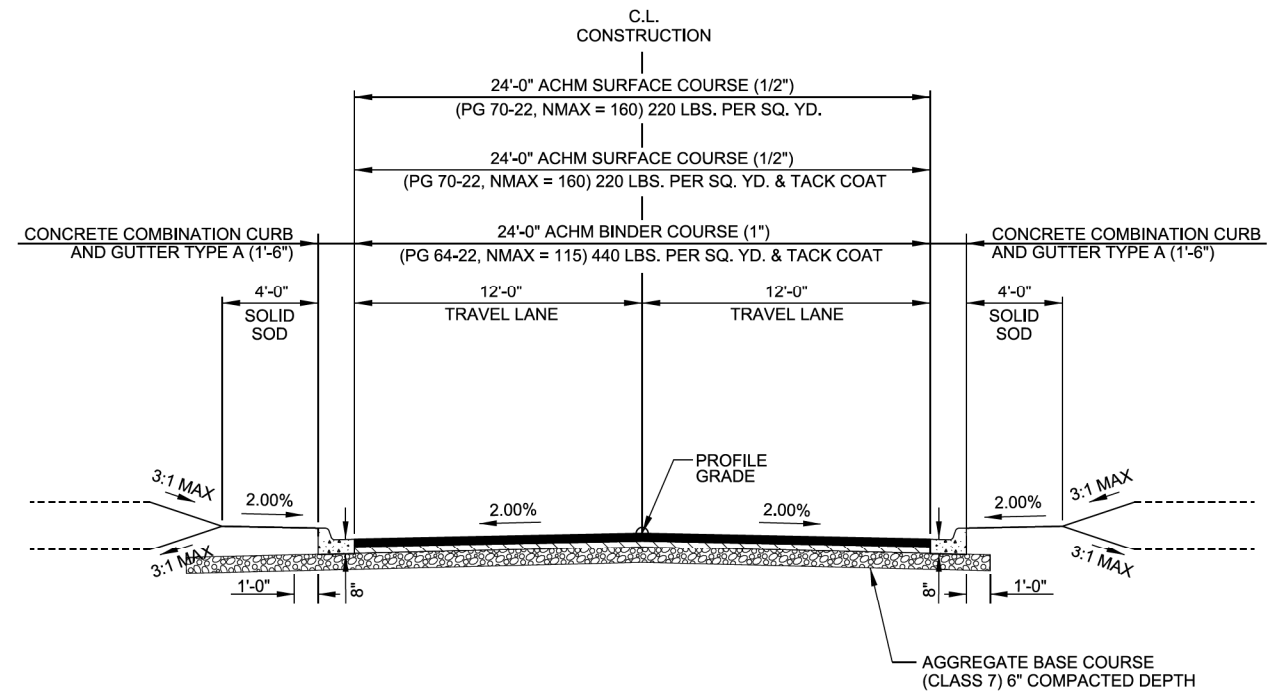
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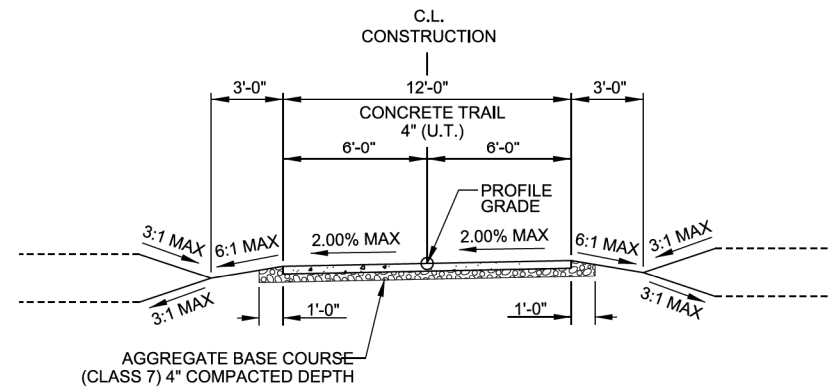
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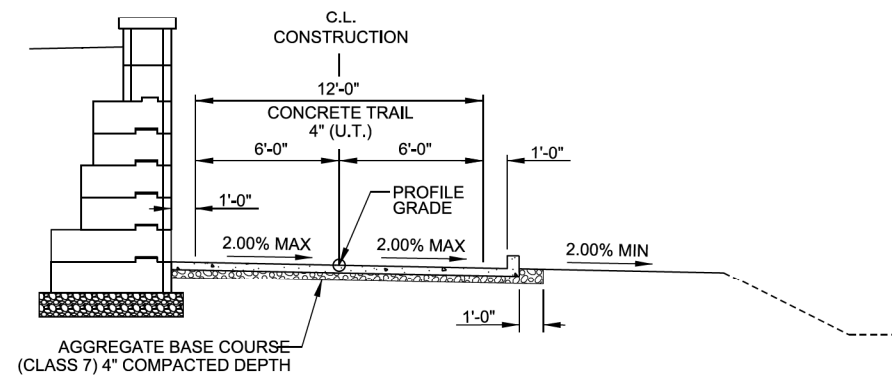
**TYPICAL SECTION**

TIMBERPEG CT. - STA. 10+16.50 TO STA. 11+00.00  
 WICKET ST. - STA. 9+00.00 TO STA. 9+83.50



**TYPICAL SECTION**

KINLEY TRAIL - LOWER - STA. 10+20.00 TO STA. 12+29.39

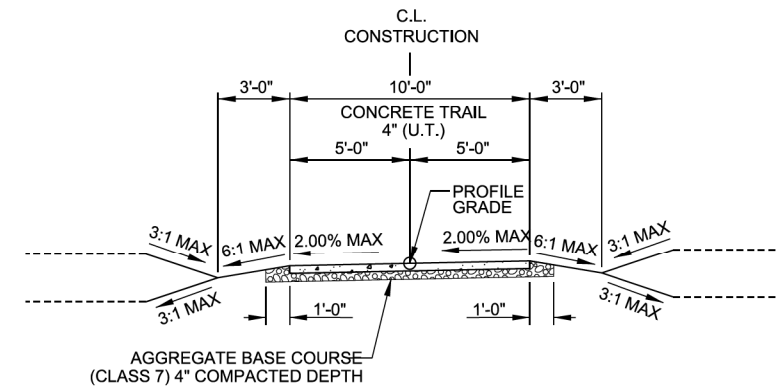


**TYPICAL SECTION**

KINLEY TRAIL - LOWER - STA. 12+29.39 TO STA. 15+90.00

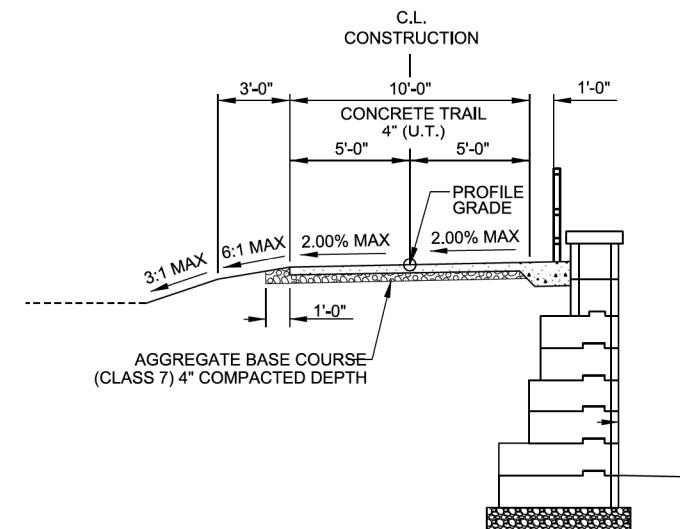
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**TYPICAL SECTION**

KINLEY TRAIL - UPPER (WEST) - STA. 7+36.86 TO STA. 9+58.00



**TYPICAL SECTION**

KINLEY TRAIL - UPPER (EAST) - STA. 10+36.00 TO STA. 12+20.00

PRELIMINARY PLANS  
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CITY OF CONWAY  
 CONWAY, ARKANSAS  
 SALEM RD. BRIDGE RECONSTRUCTION  
 (CONWAY) (S)

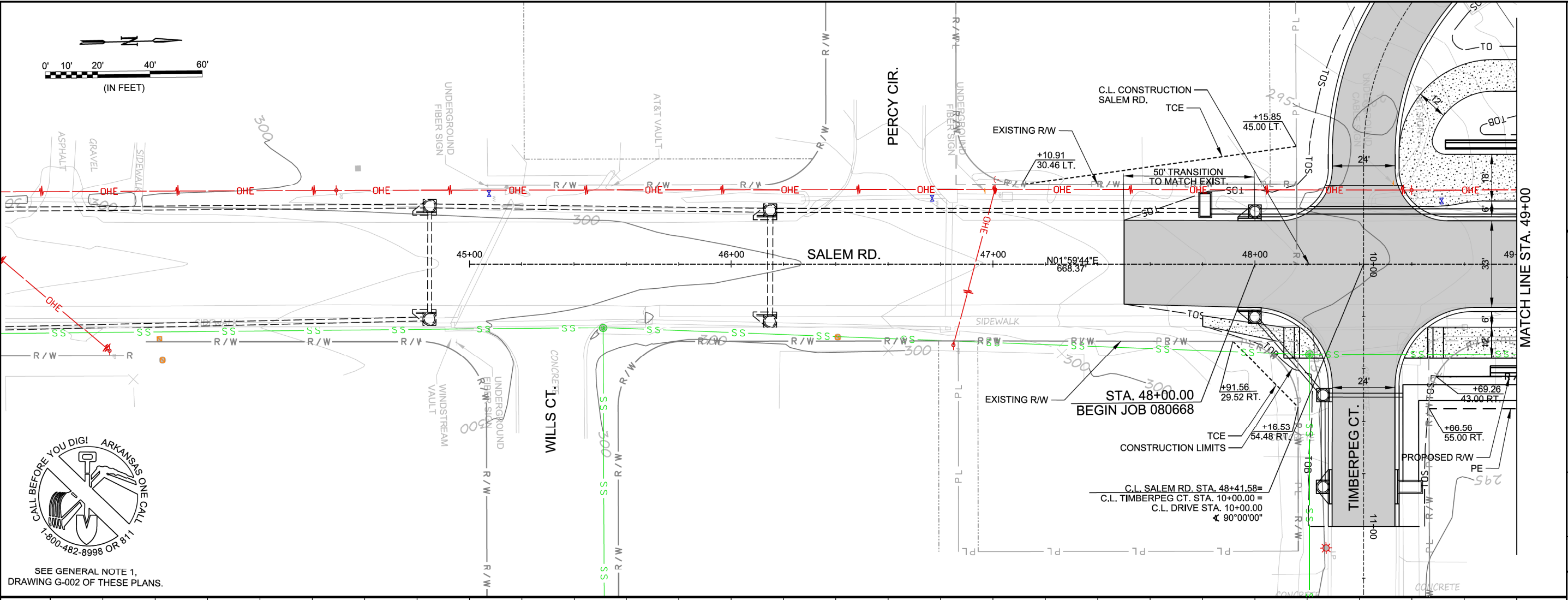
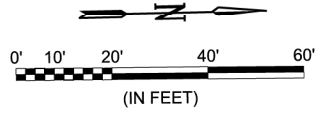
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JOB NO.: 19T20182  
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 DESIGNED BY: DLT  
 DRAWN BY: HJB

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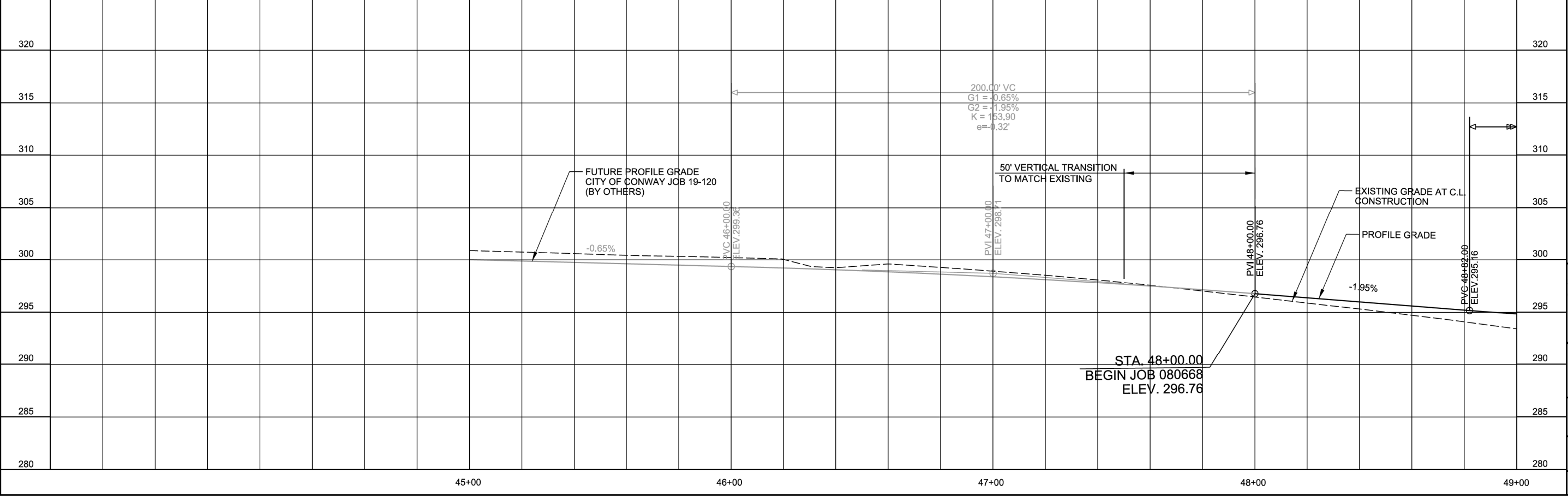
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SEE GENERAL NOTE 1, DRAWING G-002 OF THESE PLANS.

PRELIMINARY PLANS  
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REV.	DATE	DESCRIPTION	BY



CITY OF CONWAY  
CONWAY, ARKANSAS

SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

PLAN AND PROFILE -  
SALEM RD.  
(SHEET 1 OF 3)

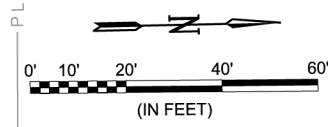
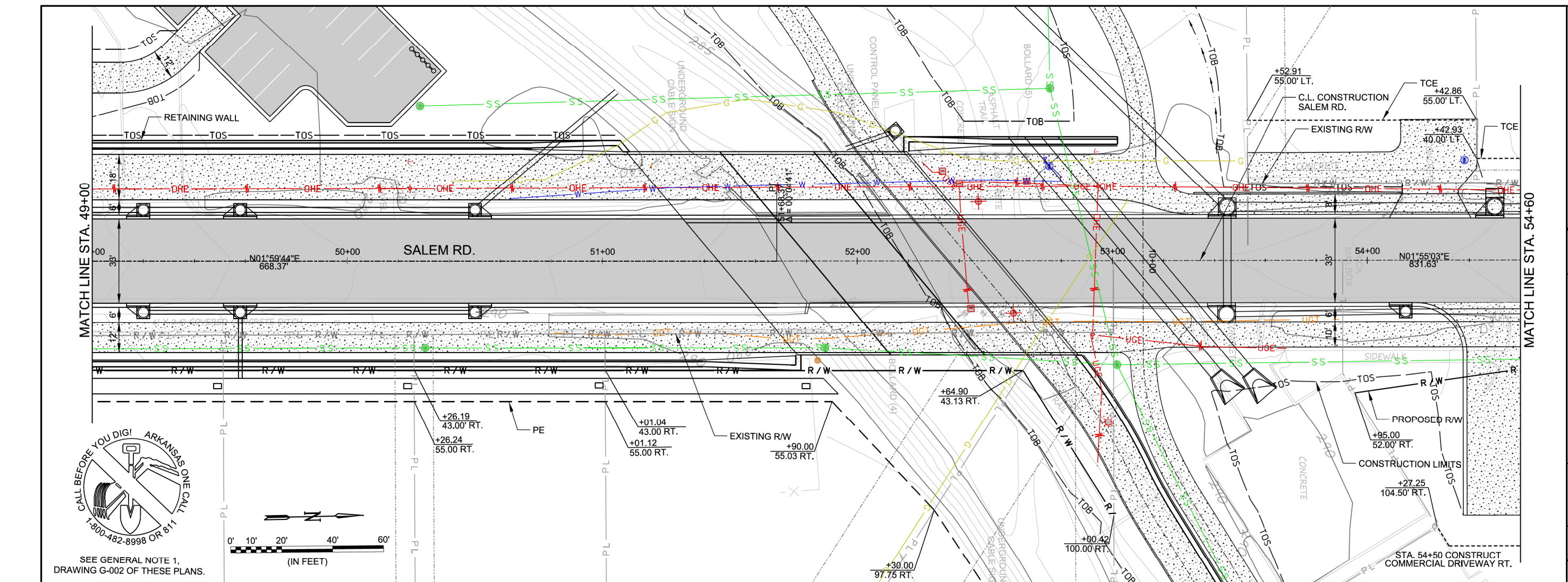
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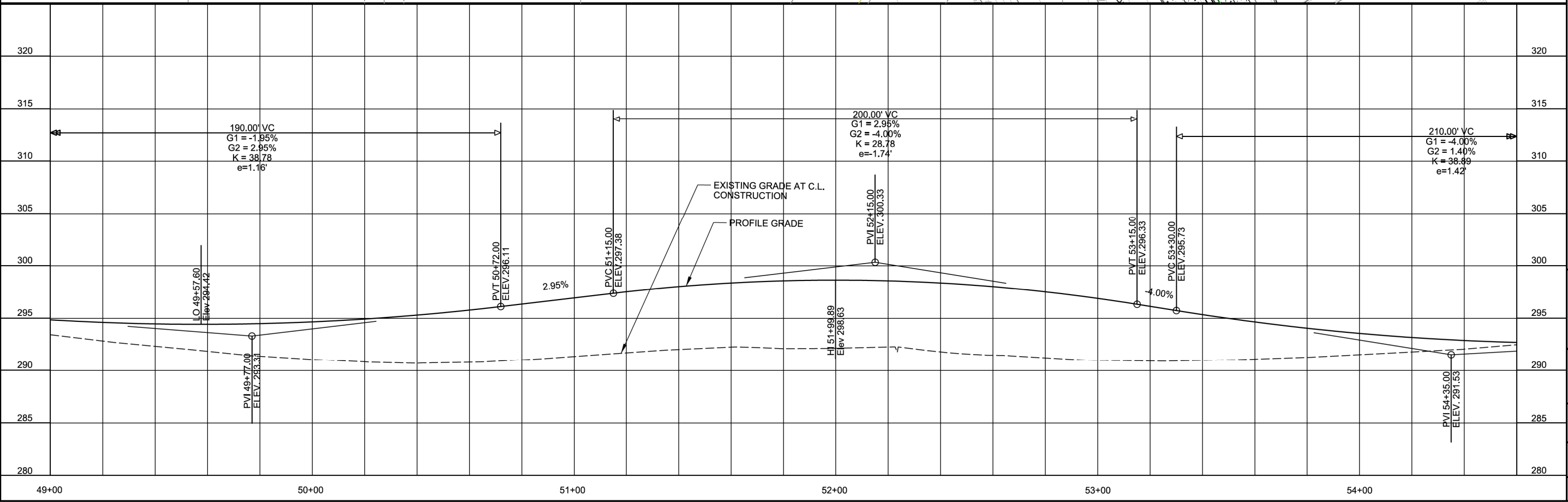
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SEE GENERAL NOTE 1,  
DRAWING G-002 OF THESE PLANS.

PRELIMINARY PLANS  
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CITY OF CONWAY  
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SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

PLAN AND PROFILE -  
SALEM RD.  
(SHEET 2 OF 3)

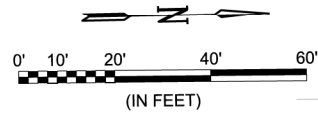
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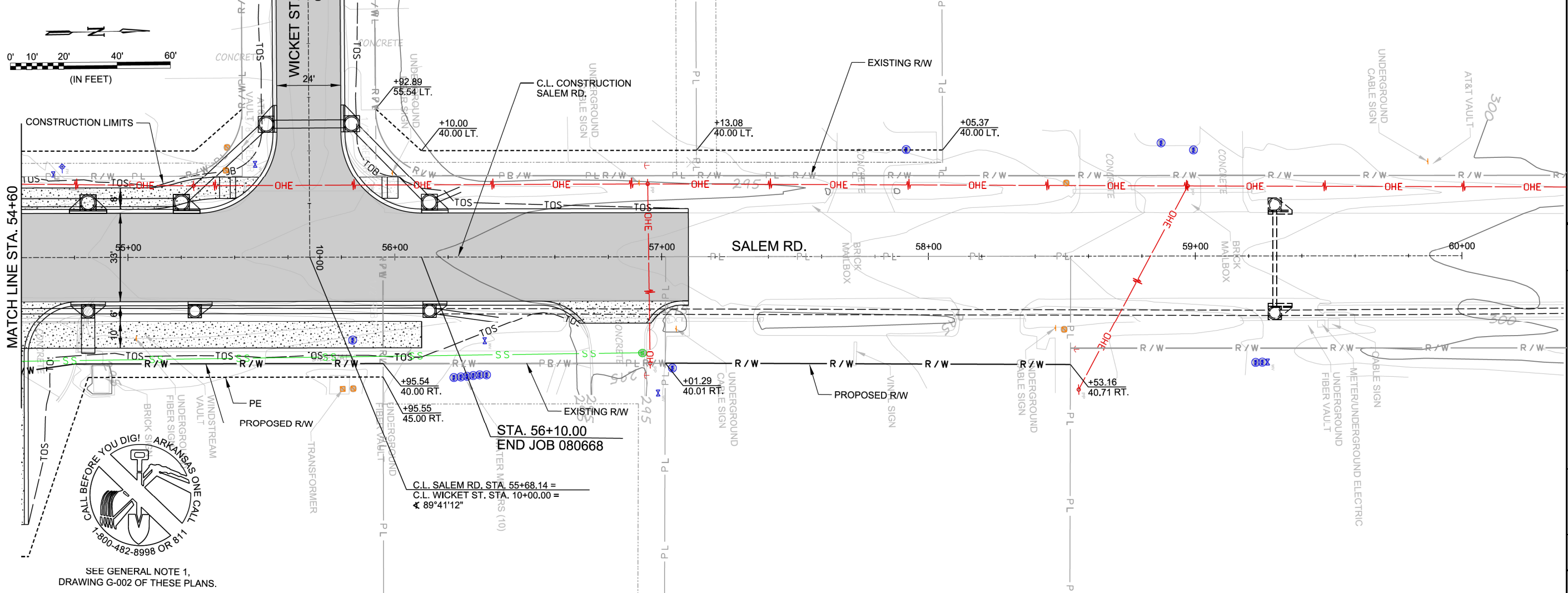
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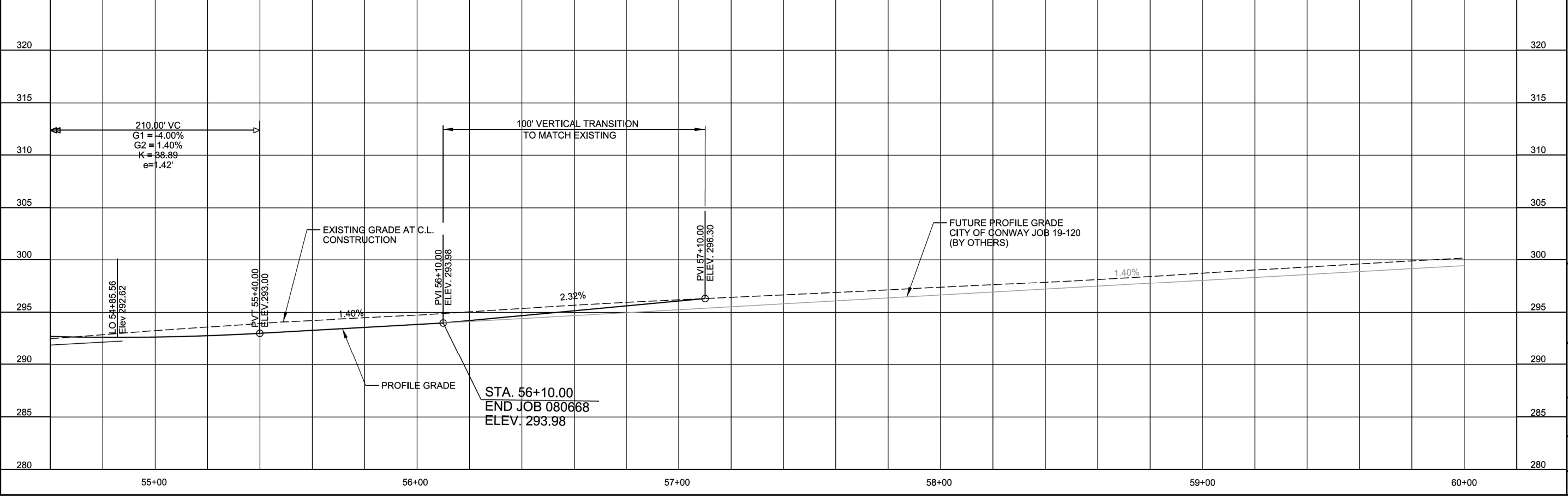
MATCH LINE STA. 54+60



SEE GENERAL NOTE 1, DRAWING G-002 OF THESE PLANS.

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PLAN AND PROFILE -  
SALEM RD.  
(SHEET 3 OF 3)

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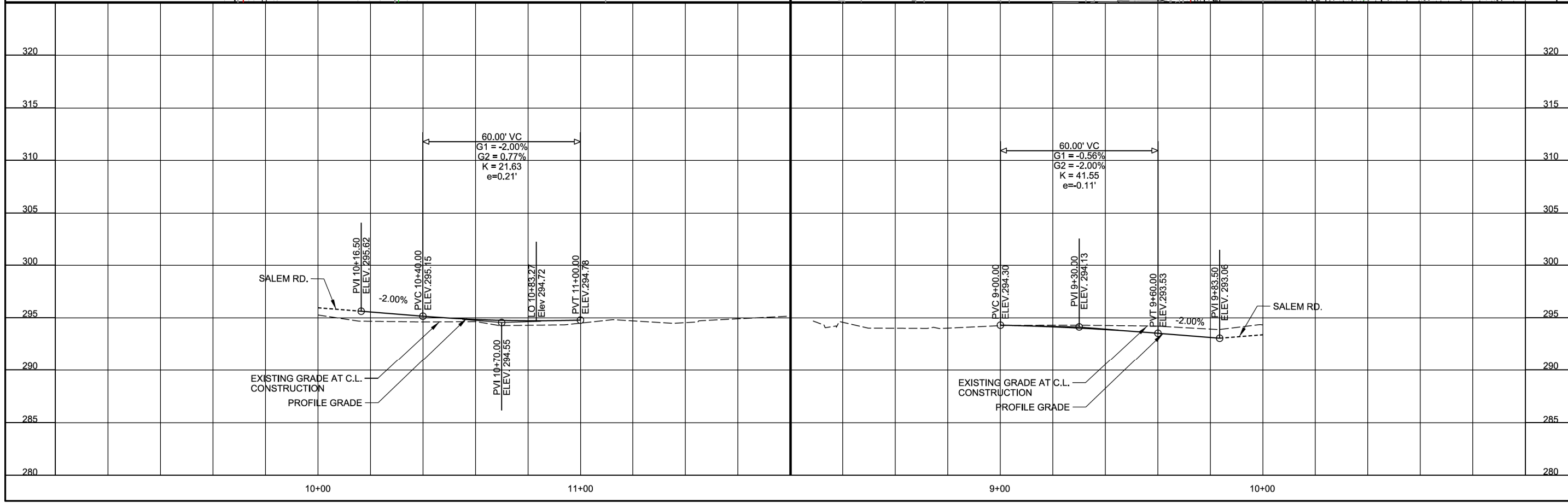
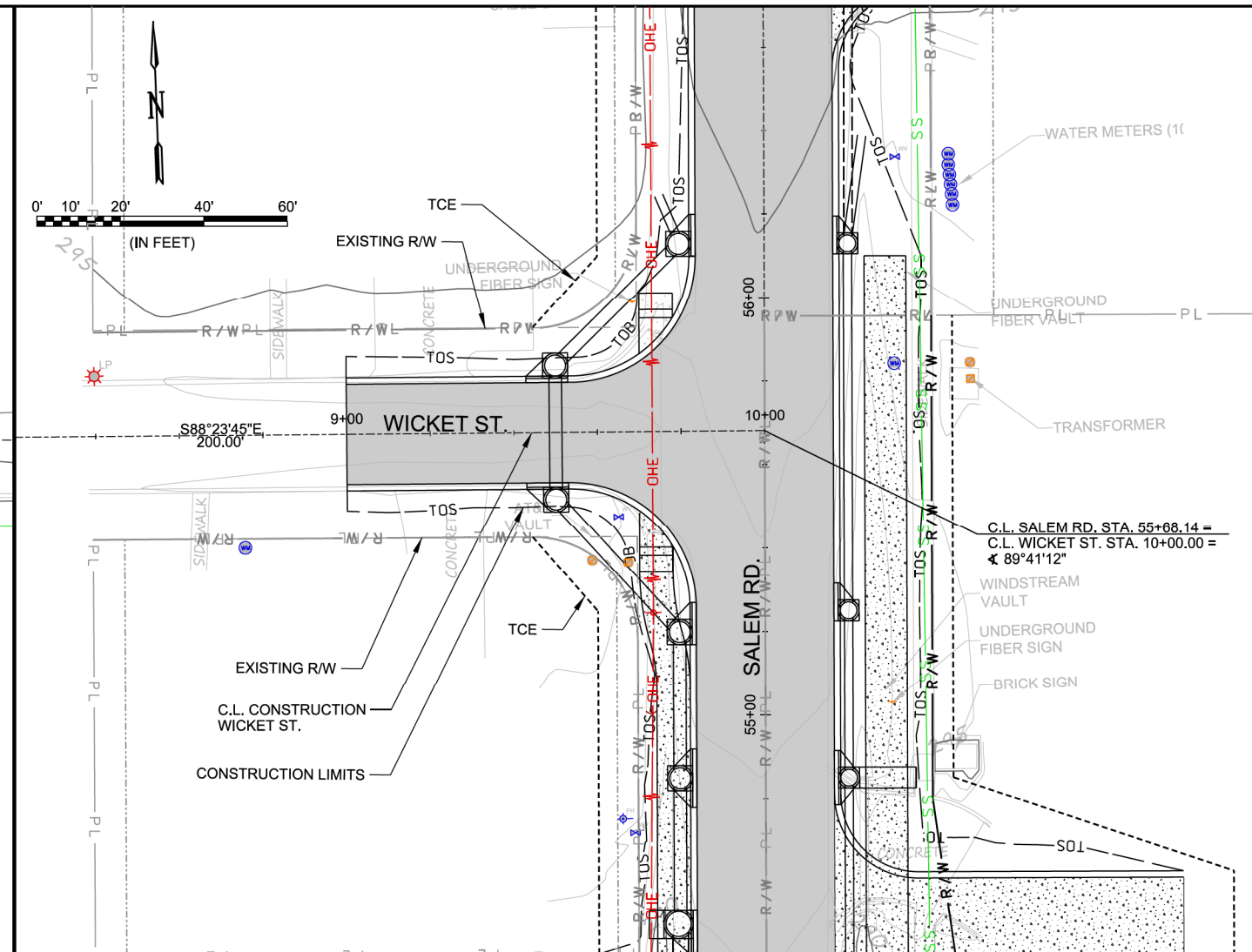
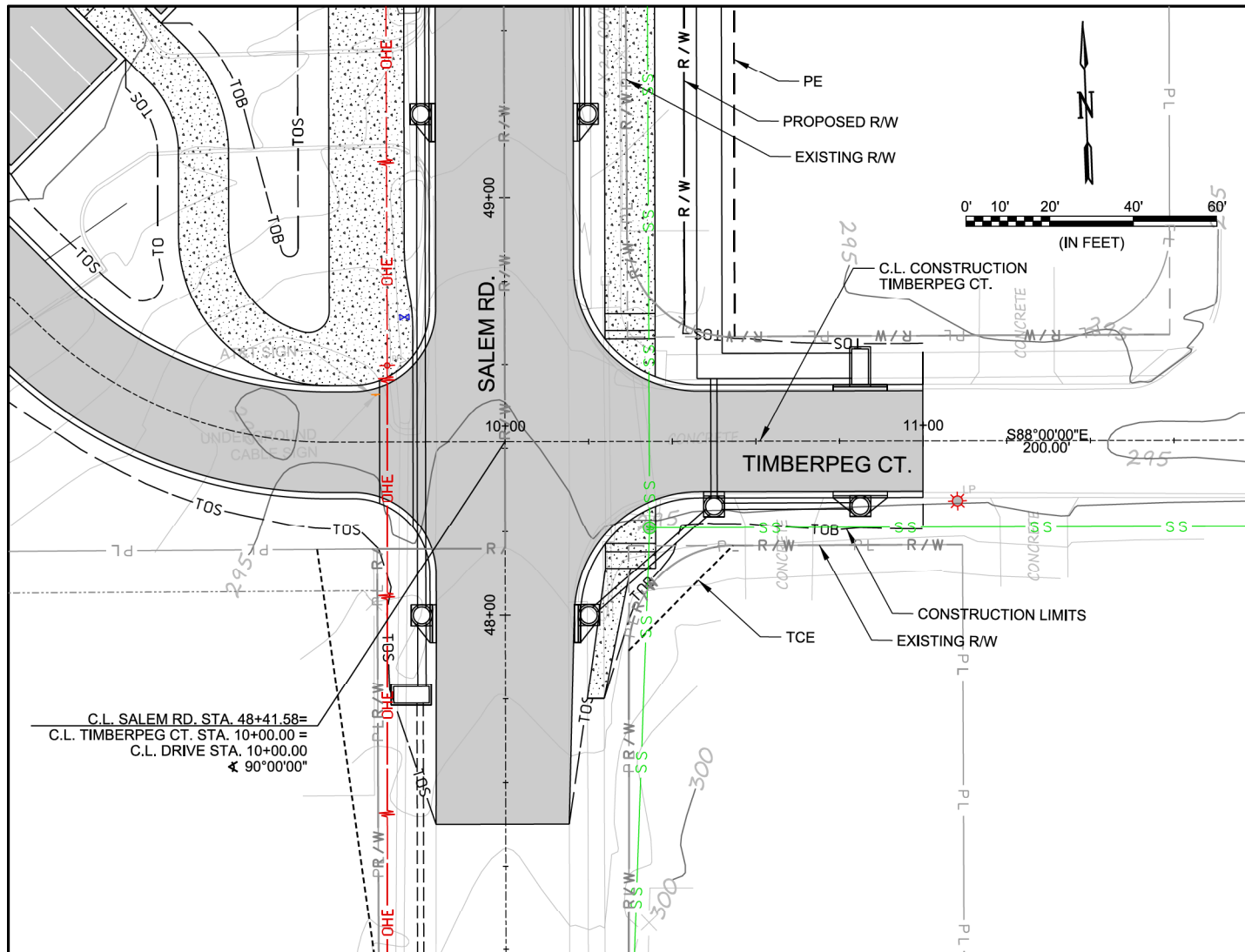
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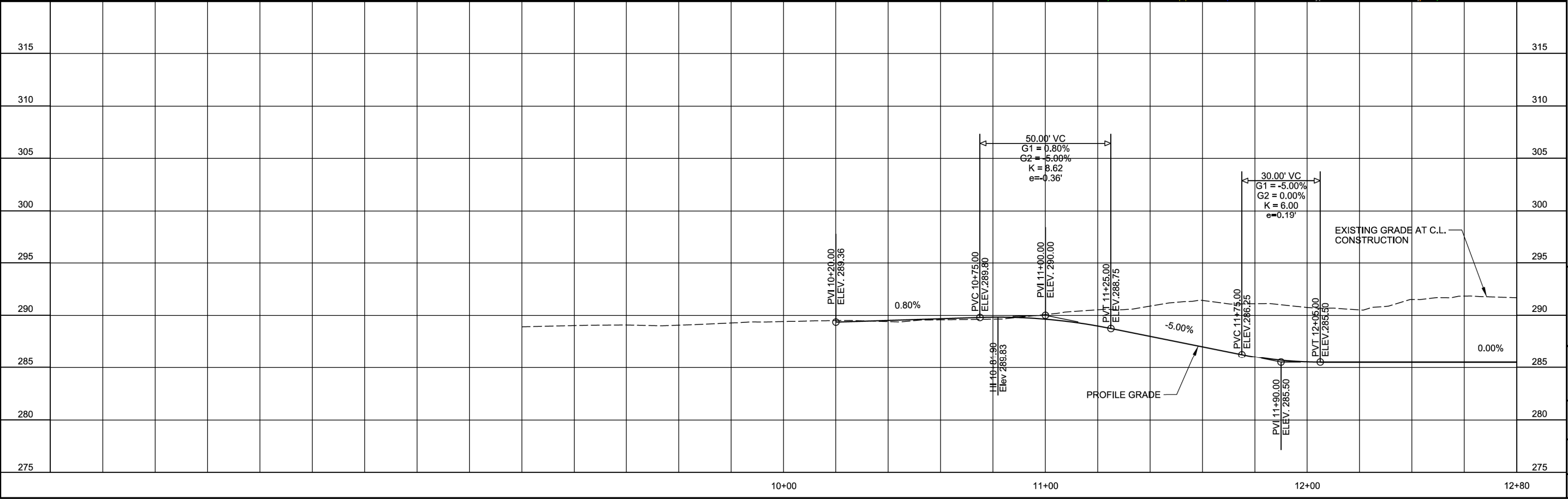
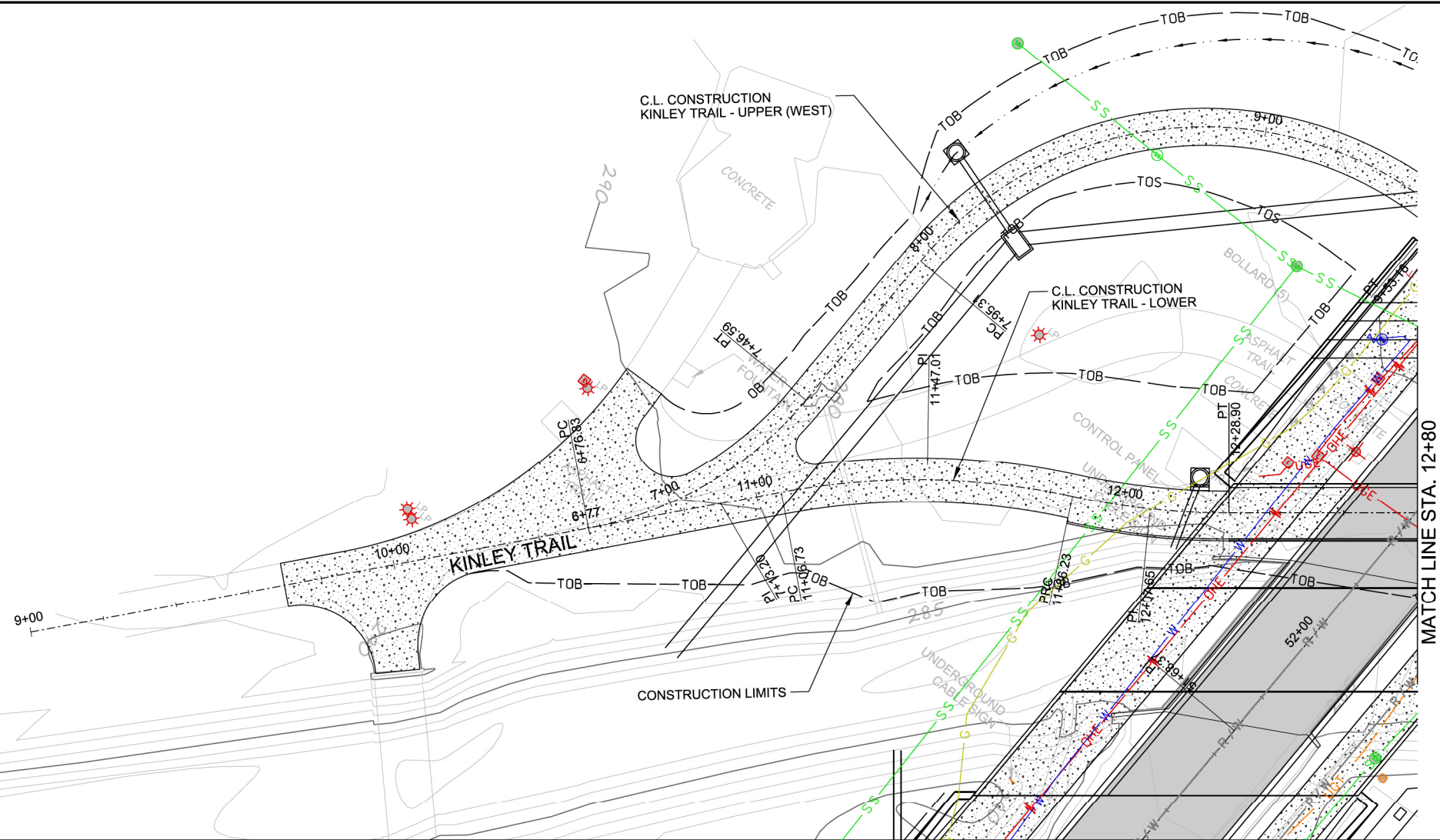
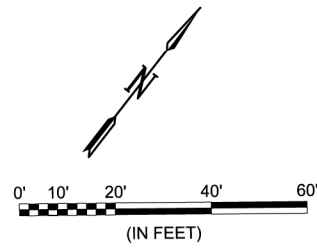
PLAN & PROFILE -  
 SIDE STREETS

JOB NO.: 19T20182  
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**C-604**

SHEET  
 NUMBER **22**



REV.	DATE	DESCRIPTION	BY



**CITY OF CONWAY**  
CONWAY, ARKANSAS

**SALEM RD. BRIDGE RECONSTRUCTION**  
(CONWAY) (S)

**PLAN AND PROFILE - KINLEY TRAIL - LOWER (SHEET 1 OF 2)**

JOB NO.: 19T20182  
DATE: JUNE 2021  
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DRAWN BY: HJB

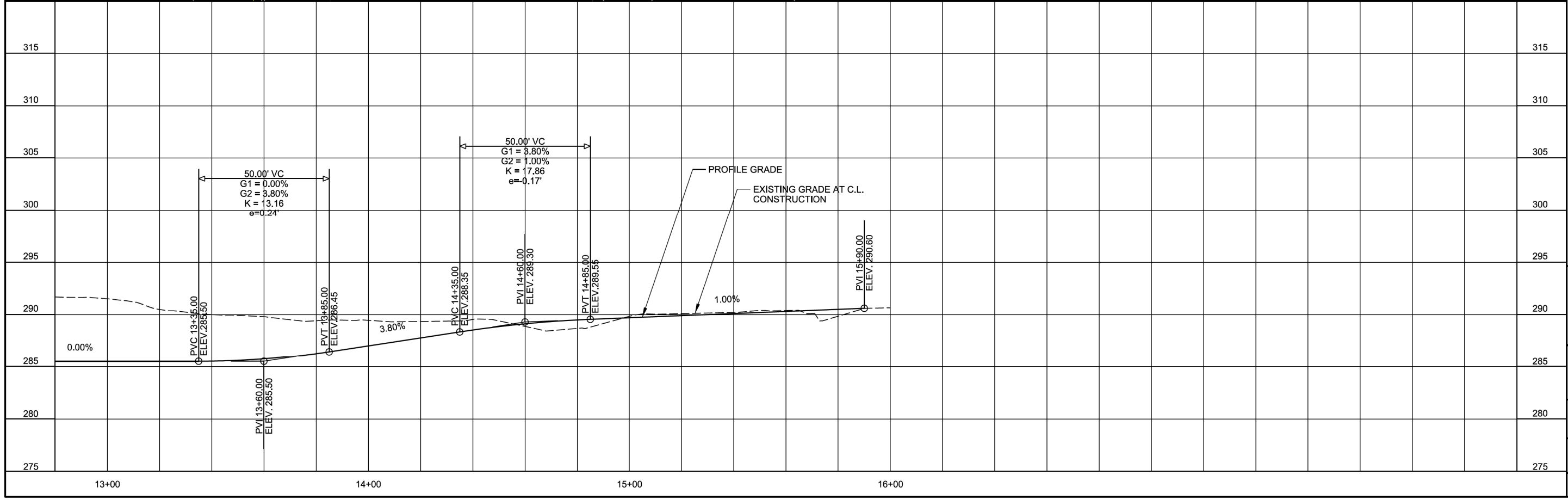
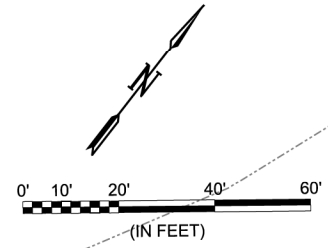
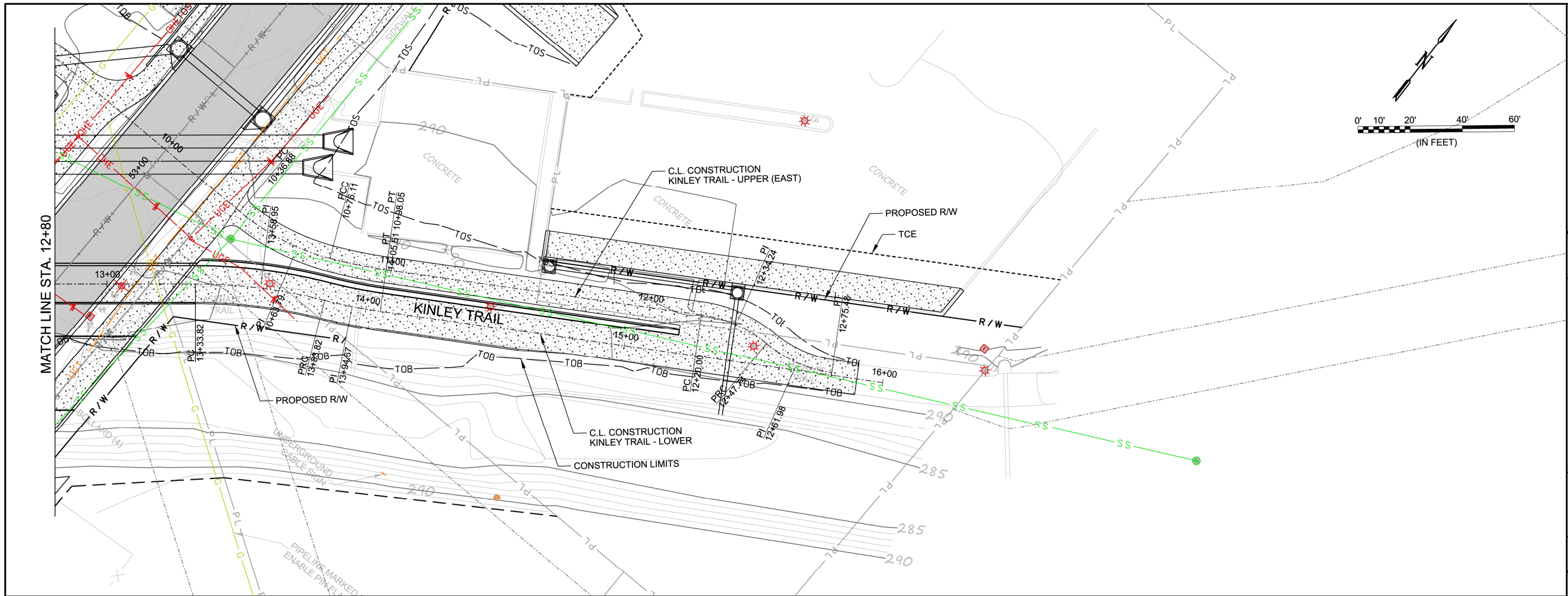
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**SHEET NUMBER** **23**

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**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY

**CITY OF CONWAY**  
CONWAY, ARKANSAS

**SALEM RD. BRIDGE RECONSTRUCTION**  
(CONWAY) (S)

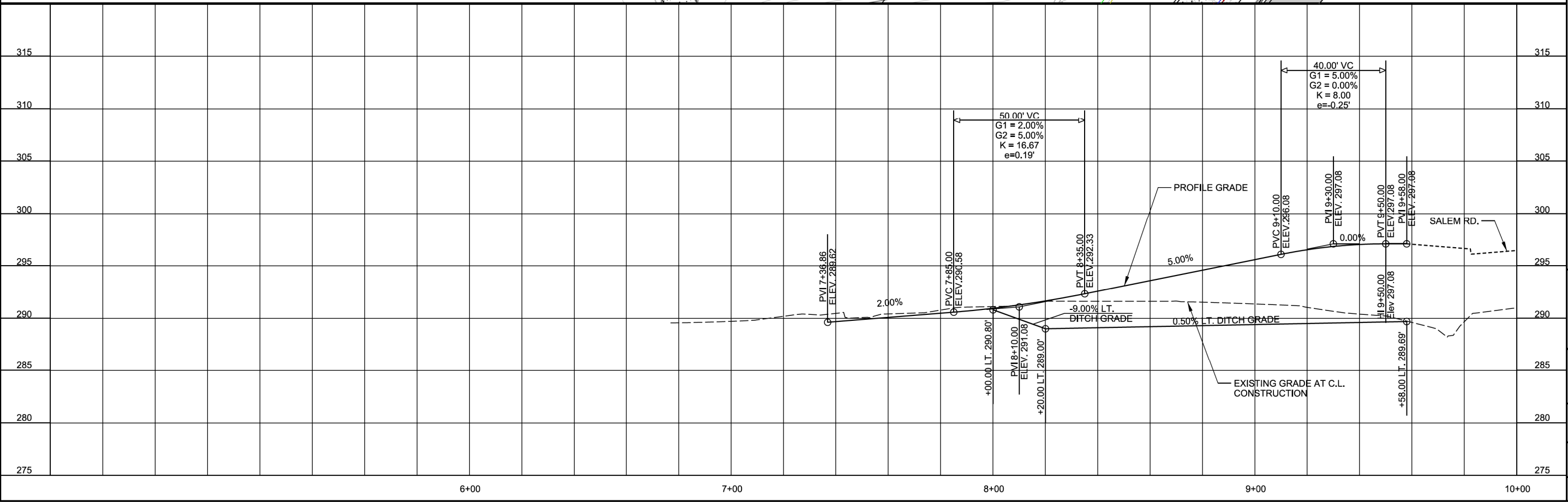
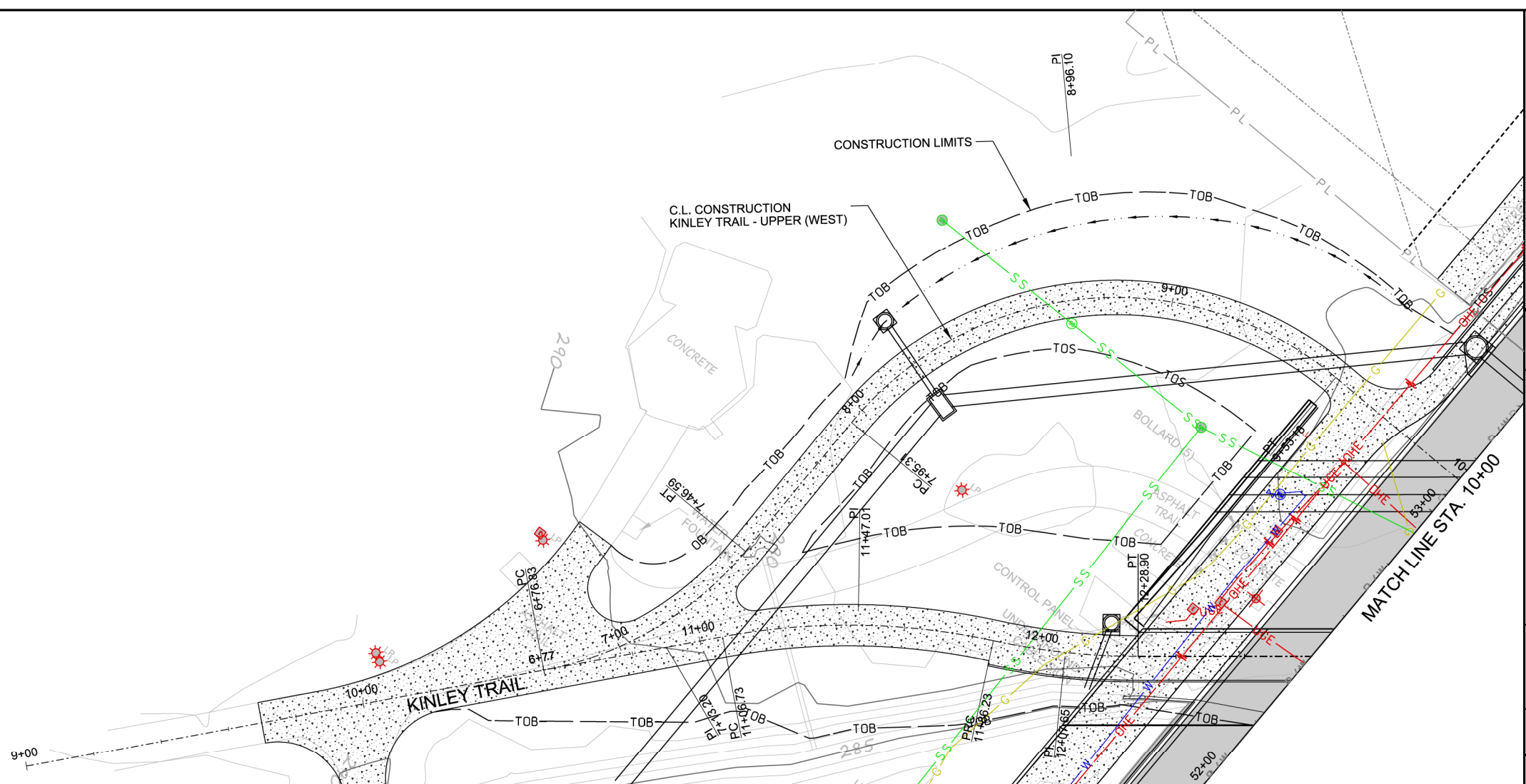
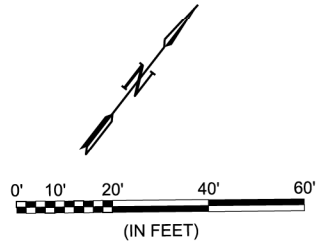
PLAN AND PROFILE - KINLEY TRAIL - LOWER (SHEET 2 OF 2)

JOB NO.: 19T20182  
 DATE: JUNE 2021  
 DESIGNED BY: DLT  
 DRAWN BY: HJB

BAR IS ONE INCH ON ORIGINAL DRAWING  
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DRAWING NUMBER  
**C-606**

SHEET NUMBER  
**24**



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PRELIMINARY PLANS  
 NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY

CITY OF CONWAY  
 CONWAY, ARKANSAS  
 SALEM RD. BRIDGE RECONSTRUCTION  
 (CONWAY) (S)

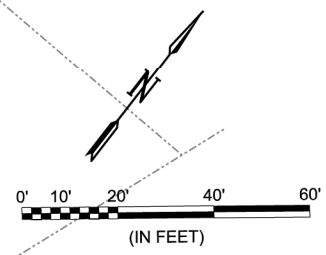
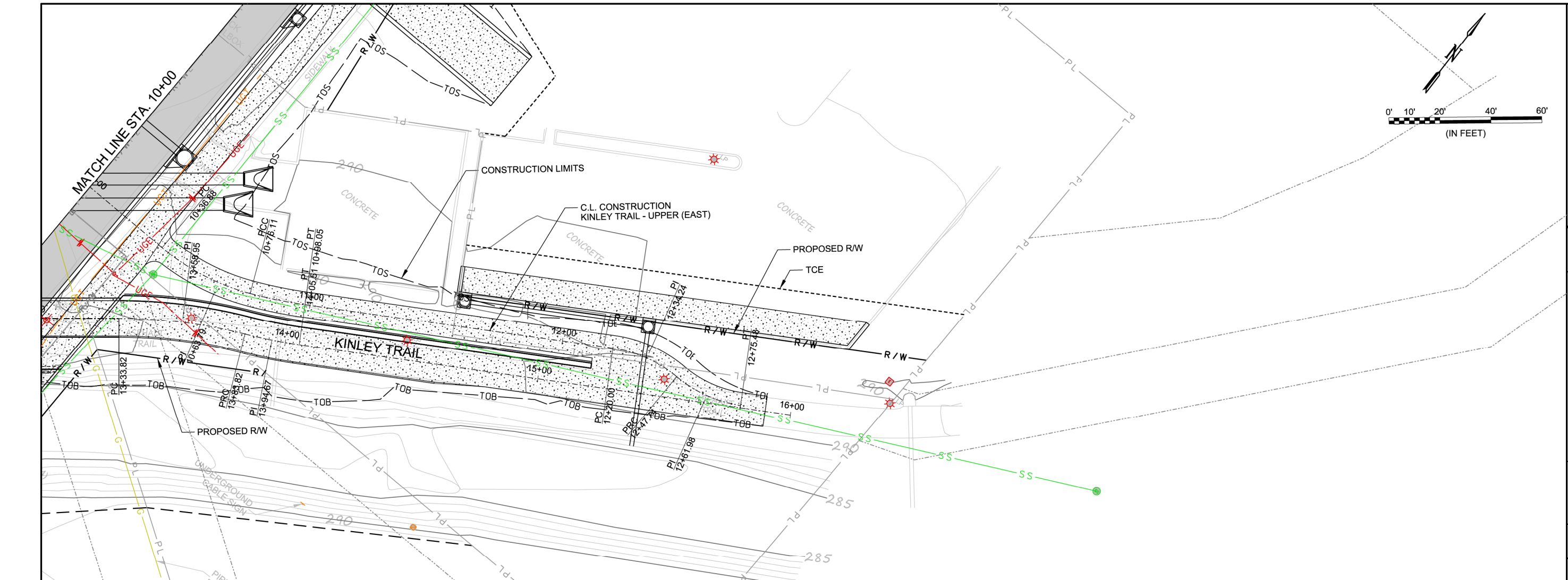
PLAN AND PROFILE -  
 KINLEY TRAIL - UPPER  
 (WEST)  
 (SHEET 1 OF 1)

JOB NO.: 19T20182  
 DATE: JUNE 2021  
 DESIGNED BY: DLT  
 DRAWN BY: HJB

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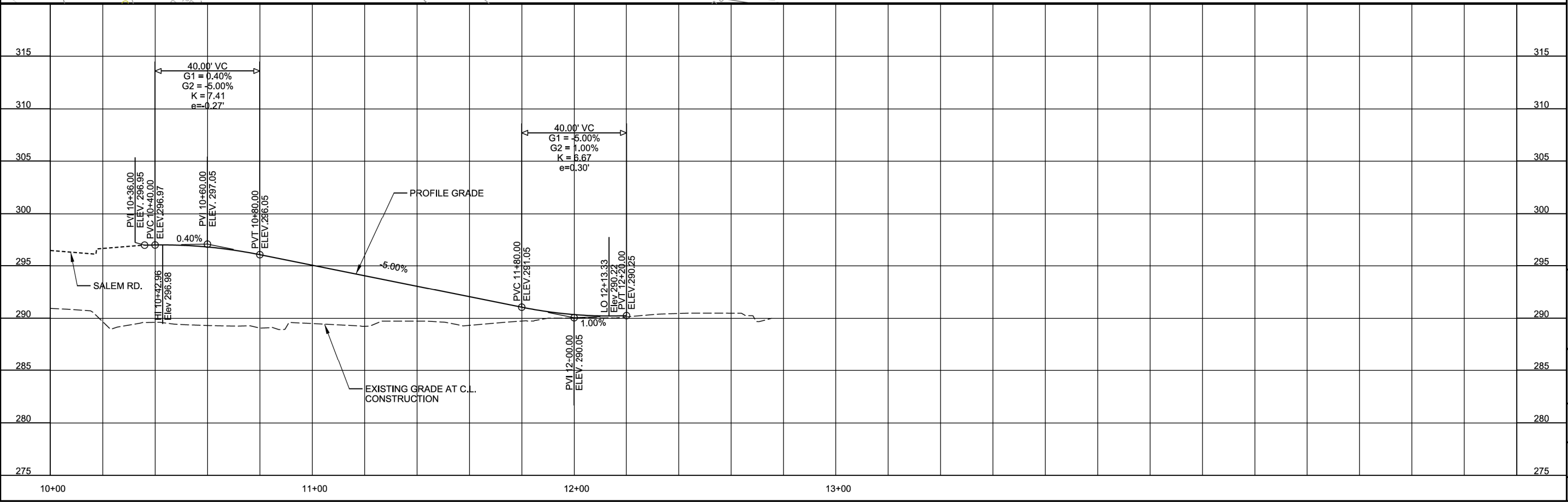
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**C-607**

SHEET NUMBER  
**25**



PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY



CITY OF CONWAY  
CONWAY, ARKANSAS

SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

PLAN AND PROFILE -  
KINLEY TRAIL - UPPER  
(EAST)

JOB NO.: 19T20182  
DATE: JUNE 2021  
DESIGNED BY: DLT  
DRAWN BY: HJB

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

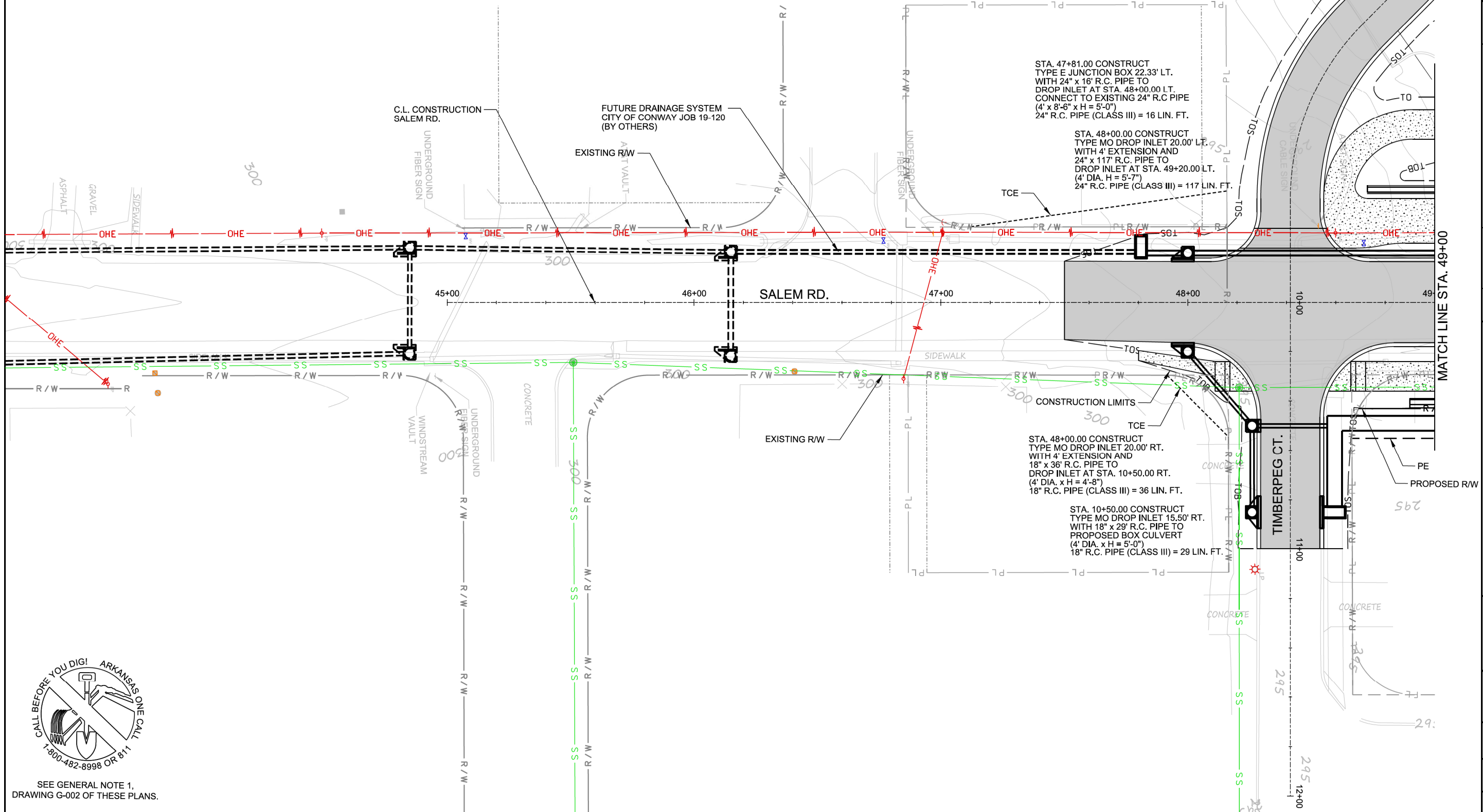
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SHEET NUMBER  
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NOTE:  
STATION AND OFFSET SHOWN TO CENTER OF DRAINAGE STRUCTURE (TYP.)



MATCH LINE STA. 49+00

PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY

CITY OF CONWAY  
CONWAY, ARKANSAS

SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

DRAINAGE PLAN AND PROFILE - SALEM RD. (SHEET 1 OF 6)

JOB NO.: 19T20182  
DATE: JUNE 2021  
DESIGNED BY: DLT  
DRAWN BY: HJB

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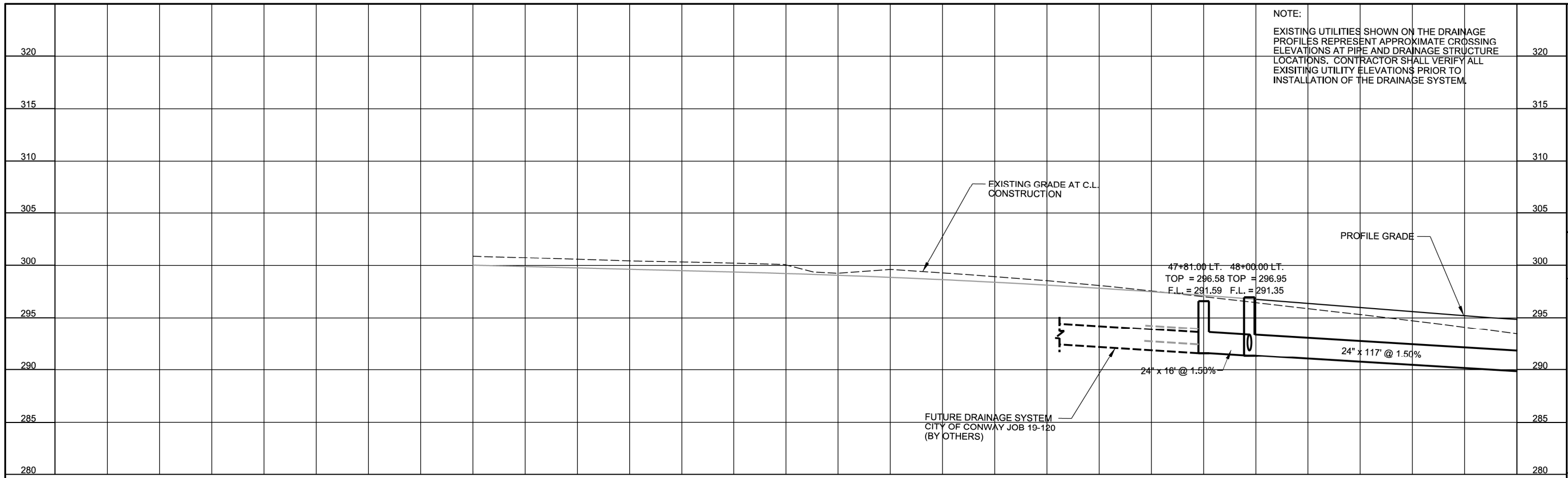
SHEET NUMBER  
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SEE GENERAL NOTE 1,  
DRAWING G-002 OF THESE PLANS.

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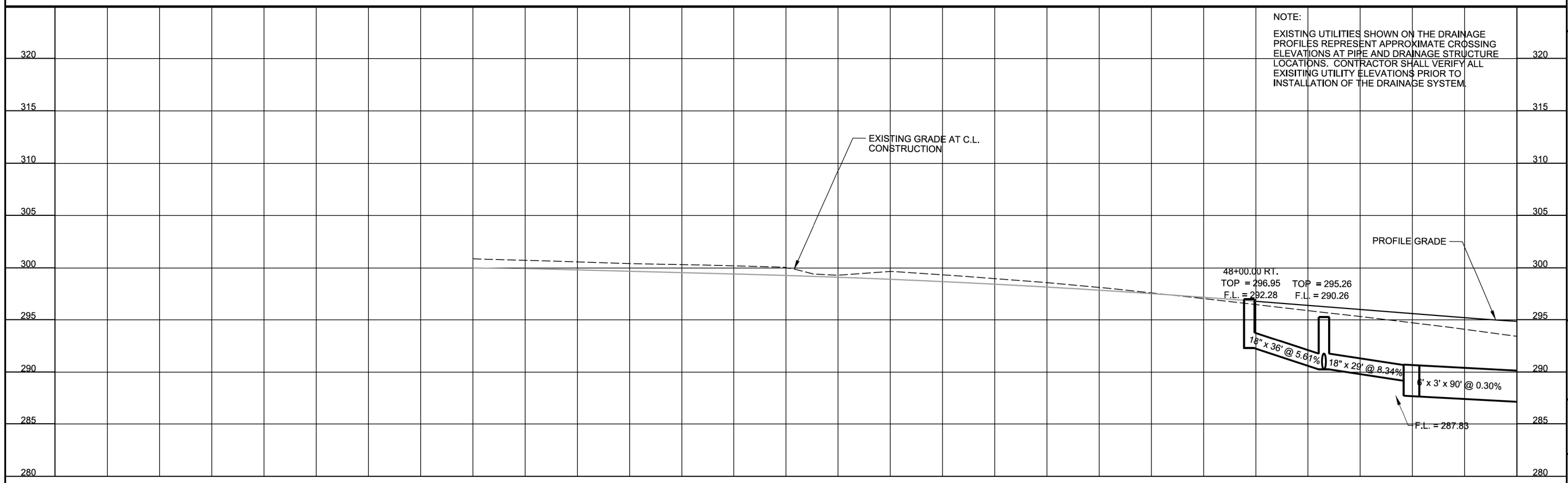


NOTE:  
 EXISTING UTILITIES SHOWN ON THE DRAINAGE  
 PROFILES REPRESENT APPROXIMATE CROSSING  
 ELEVATIONS AT PIPE AND DRAINAGE STRUCTURE  
 LOCATIONS. CONTRACTOR SHALL VERIFY ALL  
 EXISTING UTILITY ELEVATIONS PRIOR TO  
 INSTALLATION OF THE DRAINAGE SYSTEM.

PRELIMINARY PLANS NOT FOR CONSTRUCTION		BY	
		DESCRIPTION	
REV.	DATE		

45+00 46+00 47+00 48+00 49+00

LEFT SIDE



NOTE:  
 EXISTING UTILITIES SHOWN ON THE DRAINAGE  
 PROFILES REPRESENT APPROXIMATE CROSSING  
 ELEVATIONS AT PIPE AND DRAINAGE STRUCTURE  
 LOCATIONS. CONTRACTOR SHALL VERIFY ALL  
 EXISTING UTILITY ELEVATIONS PRIOR TO  
 INSTALLATION OF THE DRAINAGE SYSTEM.

CITY OF CONWAY CONWAY, ARKANSAS		BY	
		DESCRIPTION	
REV.	DATE		

45+00 46+00 47+00 48+00 49+00

RIGHT SIDE

SALEM ROAD BRIDGE OVER KINLEY TRAIL



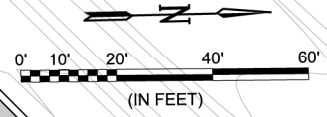
DRAINAGE PLAN AND  
 PROFILE - SALEM RD.  
 (SHEET 2 OF 6)

JOB NO.: 19T20182  
 DATE: MAR. 2020  
 DESIGNED BY: DLT  
 DRAWN BY: HJB

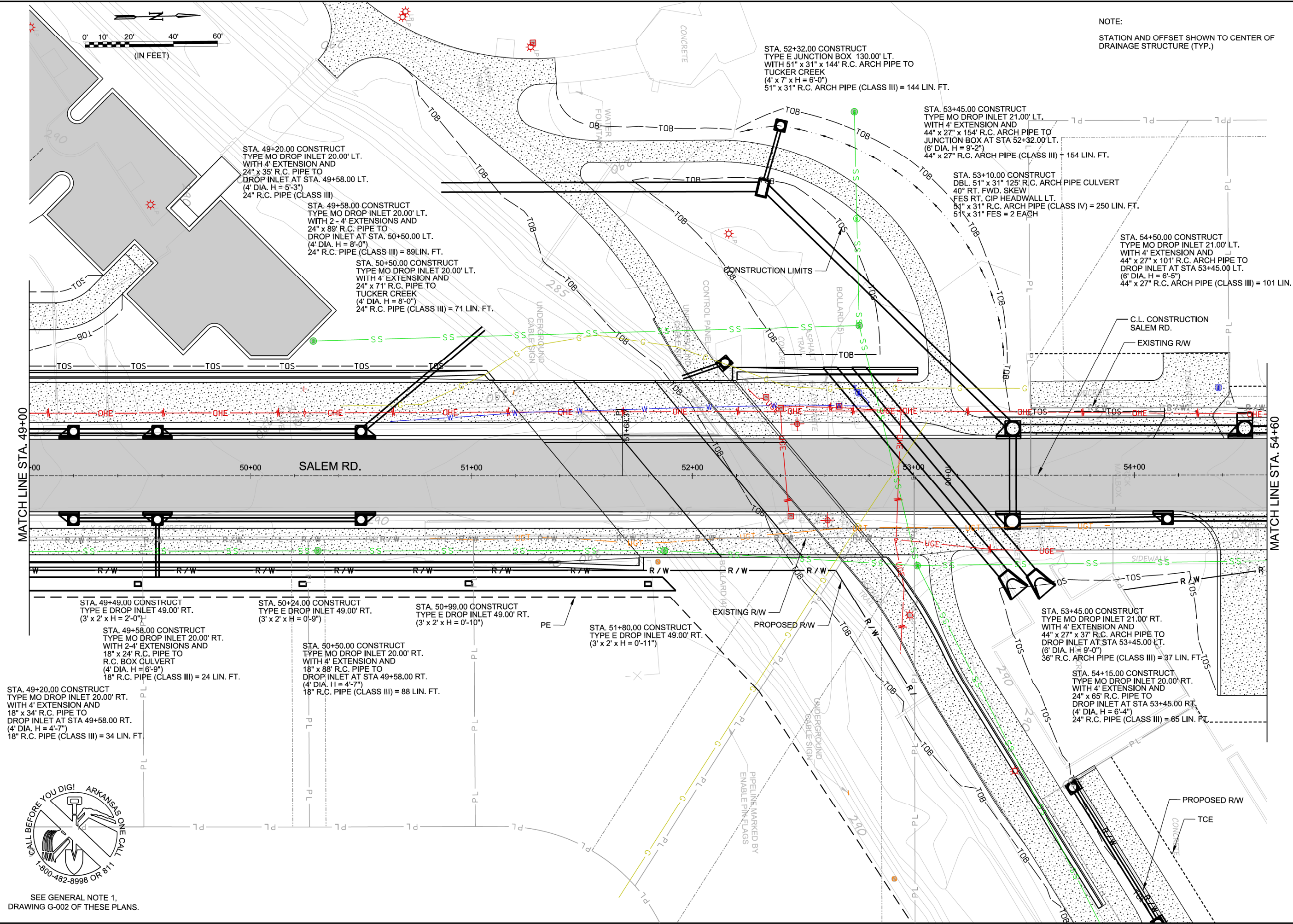
BAR IS ONE INCH ON  
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 ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**C-702**

SHEET  
 NUMBER **28**



NOTE:  
STATION AND OFFSET SHOWN TO CENTER OF DRAINAGE STRUCTURE (TYP.)



STA. 49+20.00 CONSTRUCT  
TYPE MO DROP INLET 20.00' LT.  
WITH 4' EXTENSION AND  
24" x 35" R.C. PIPE TO  
DROP INLET AT STA. 49+58.00 LT.  
(4' DIA. H = 5'-3")  
24" R.C. PIPE (CLASS III)

STA. 49+58.00 CONSTRUCT  
TYPE MO DROP INLET 20.00' LT.  
WITH 2 - 4' EXTENSIONS AND  
24" x 89" R.C. PIPE TO  
DROP INLET AT STA. 50+50.00 LT.  
(4' DIA. H = 8'-0")  
24" R.C. PIPE (CLASS III) = 89 LIN. FT.

STA. 50+50.00 CONSTRUCT  
TYPE MO DROP INLET 20.00' LT.  
WITH 4' EXTENSION AND  
24" x 71" R.C. PIPE TO  
TUCKER CREEK  
(4' DIA. H = 8'-0")  
24" R.C. PIPE (CLASS III) = 71 LIN. FT.

STA. 52+32.00 CONSTRUCT  
TYPE E JUNCTION BOX 130.00' LT.  
WITH 51" x 31" x 144" R.C. ARCH PIPE TO  
TUCKER CREEK  
(4' x 7' x H = 6'-0")  
51" x 31" R.C. ARCH PIPE (CLASS III) = 144 LIN. FT.

STA. 53+45.00 CONSTRUCT  
TYPE MO DROP INLET 21.00' LT.  
WITH 4' EXTENSION AND  
44" x 27" x 154" R.C. ARCH PIPE TO  
JUNCTION BOX AT STA 52+32.00 LT.  
(6' DIA. H = 9'-2")  
44" x 27" R.C. ARCH PIPE (CLASS III) = 154 LIN. FT.

STA. 53+10.00 CONSTRUCT  
DBL 51" x 31" 125' R.C. ARCH PIPE CULVERT  
40° RT. FWD. SKEW  
FES RT. CIP HEADWALL LT.  
51" x 31" R.C. ARCH PIPE (CLASS IV) = 250 LIN. FT.  
51" x 31" FES = 2 EACH

STA. 54+50.00 CONSTRUCT  
TYPE MO DROP INLET 21.00' LT.  
WITH 4' EXTENSION AND  
44" x 27" x 101" R.C. ARCH PIPE TO  
DROP INLET AT STA 53+45.00 LT.  
(6' DIA. H = 6'-5")  
44" x 27" R.C. ARCH PIPE (CLASS III) = 101 LIN. FT.

STA. 49+49.00 CONSTRUCT  
TYPE E DROP INLET 49.00' RT.  
(3' x 2' x H = 2'-0")

STA. 49+58.00 CONSTRUCT  
TYPE MO DROP INLET 20.00' RT.  
WITH 2-4' EXTENSIONS AND  
18" x 24" R.C. PIPE TO  
R.C. BOX CULVERT  
(4' DIA. H = 6'-9")  
18" R.C. PIPE (CLASS III) = 24 LIN. FT.

STA. 49+20.00 CONSTRUCT  
TYPE MO DROP INLET 20.00' RT.  
WITH 4' EXTENSION AND  
18" x 34" R.C. PIPE TO  
DROP INLET AT STA 49+58.00 RT.  
(4' DIA. H = 4'-7")  
18" R.C. PIPE (CLASS III) = 34 LIN. FT.

STA. 50+24.00 CONSTRUCT  
TYPE E DROP INLET 49.00' RT.  
(3' x 2' x H = 0'-9")

STA. 50+50.00 CONSTRUCT  
TYPE MO DROP INLET 20.00' RT.  
WITH 4' EXTENSION AND  
18" x 88" R.C. PIPE TO  
DROP INLET AT STA 49+58.00 RT.  
(4' DIA. H = 4'-7")  
18" R.C. PIPE (CLASS III) = 88 LIN. FT.

STA. 50+99.00 CONSTRUCT  
TYPE E DROP INLET 49.00' RT.  
(3' x 2' x H = 0'-10")


STA. 51+80.00 CONSTRUCT  
TYPE E DROP INLET 49.00' RT.  
(3' x 2' x H = 0'-11")

STA. 53+45.00 CONSTRUCT  
TYPE MO DROP INLET 21.00' RT.  
WITH 4' EXTENSION AND  
44" x 27" x 37" R.C. ARCH PIPE TO  
DROP INLET AT STA 53+45.00 LT.  
(6' DIA. H = 9'-0")  
36" R.C. ARCH PIPE (CLASS III) = 37 LIN. FT.

STA. 54+15.00 CONSTRUCT  
TYPE MO DROP INLET 20.00' RT.  
WITH 4' EXTENSION AND  
24" x 65" R.C. PIPE TO  
DROP INLET AT STA 53+45.00 RT.  
(4' DIA. H = 6'-4")  
24" R.C. PIPE (CLASS III) = 65 LIN. FT.



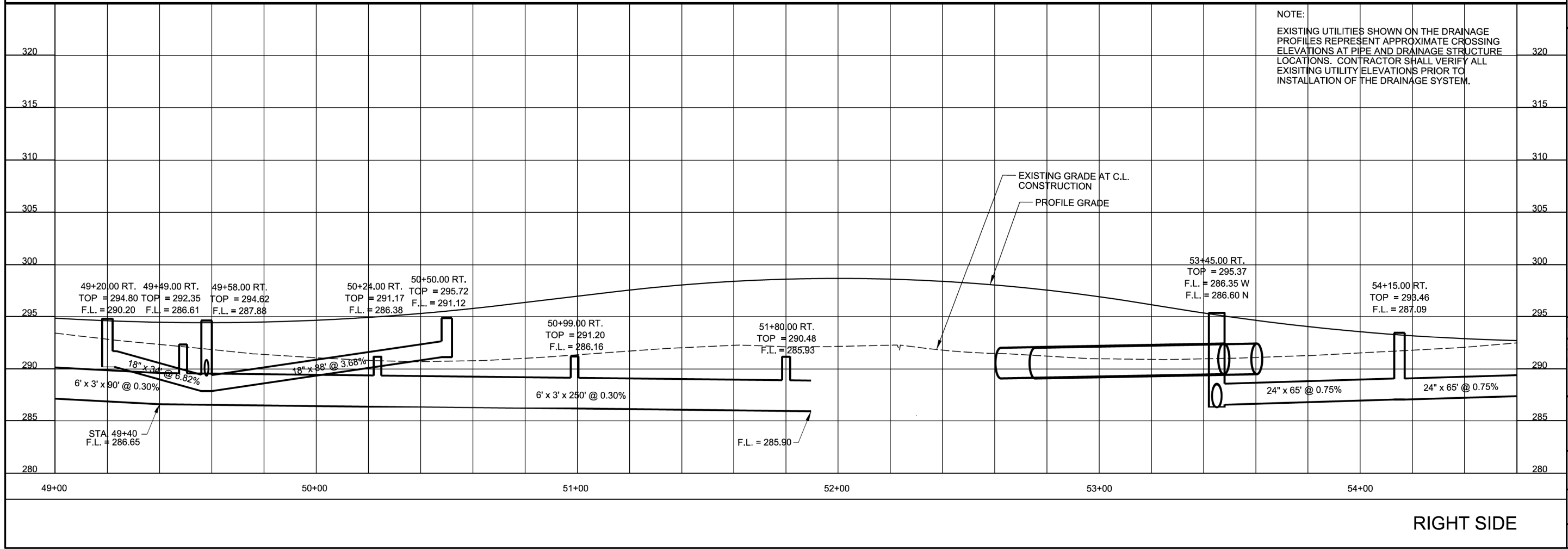
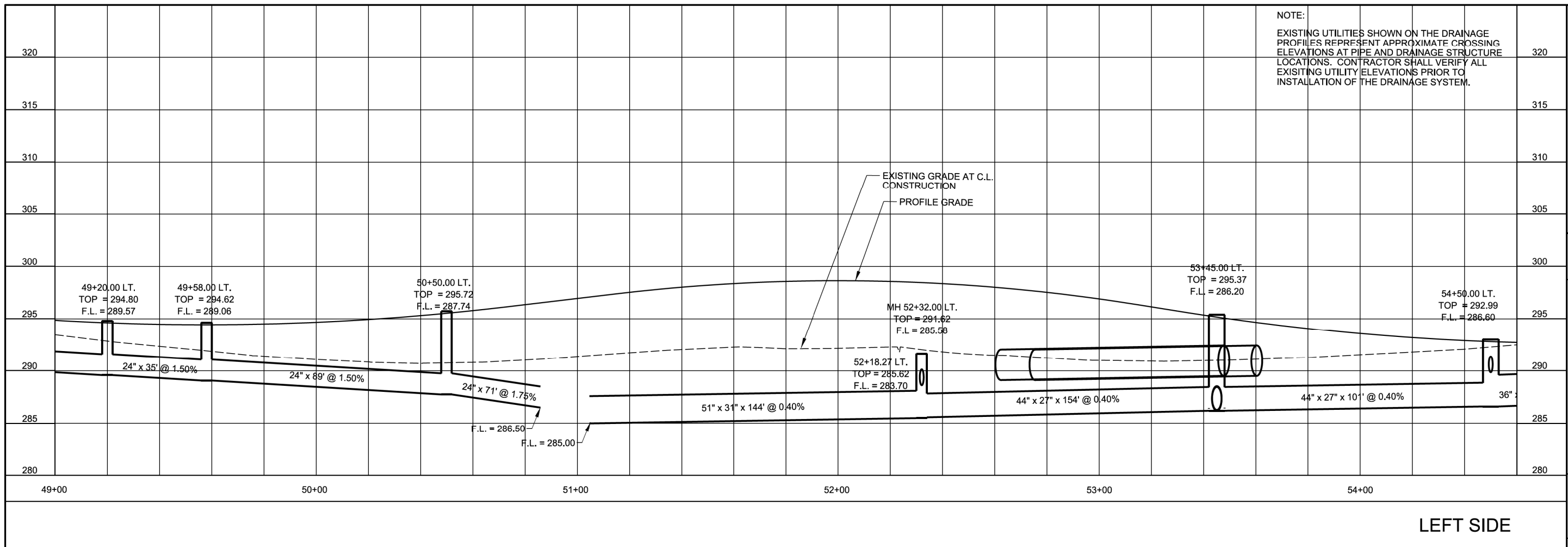
SEE GENERAL NOTE 1,  
DRAWING G-002 OF THESE PLANS.

<b>PRELIMINARY PLANS NOT FOR CONSTRUCTION</b>	
BY	
DATE	
REV.	
DESCRIPTION	
 <b>CITY OF CONWAY</b> CONWAY, ARKANSAS <b>SALEM RD. BRIDGE RECONSTRUCTION</b> (CONWAY) (S)	
DRAINAGE PLAN AND PROFILE - SALEM RD. (SHEET 3 OF 6)	
JOB NO.: 19T20182	
DATE: JUNE 2021	
DESIGNED BY: DLT	
DRAWN BY: HJB	
<small>BAR IS ONE INCH ON ORIGINAL DRAWING</small> <small>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.</small>	
DRAWING NUMBER	
<b>C-703</b>	
SHEET NUMBER	
<b>29</b>	

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PRELIMINARY PLANS  
 NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY

CITY OF CONWAY  
 CONWAY, ARKANSAS

SALEM ROAD BRIDGE OVER KINLEY TRAIL

DRAINAGE PLAN AND PROFILE - SALEM RD. (SHEET 4 OF 6)

JOB NO.: 19T20182  
 DATE: MAR. 2020  
 DESIGNED BY: DLT  
 DRAWN BY: HJB

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DRAWING NUMBER  
**C-704**

SHEET NUMBER  
**30**

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STA. 54+85.00 CONSTRUCT TYPE MO DROP INLET 20.50' LT. WITH 2 - 4' EXTENSIONS AND 36" x 31' R.C. PIPE TO DROP INLET AT STA. 54+50.00 LT. (5' DIA. H = 5'-9") 36" R.C. PIPE (CLASS III) = 31 LIN. FT.

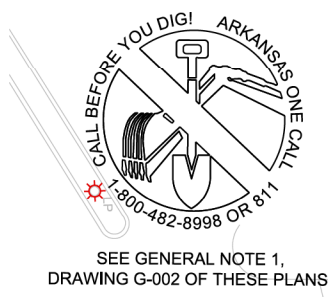
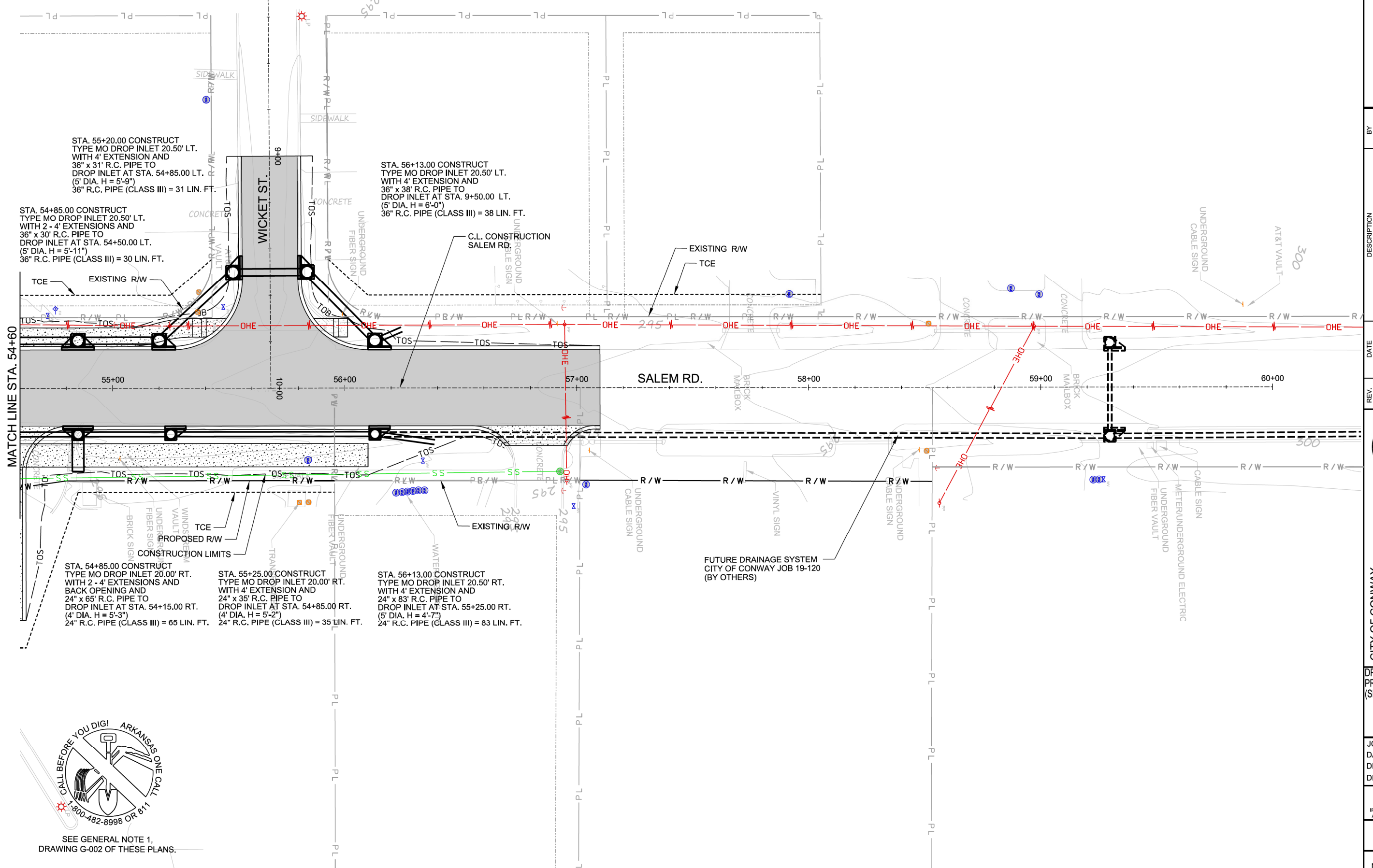
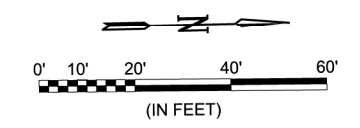
STA. 54+85.00 CONSTRUCT TYPE MO DROP INLET 20.50' RT. WITH 2 - 4' EXTENSIONS AND BACK OPENING AND 24" x 65' R.C. PIPE TO DROP INLET AT STA. 54+15.00 RT. (4' DIA. H = 5'-3") 24" R.C. PIPE (CLASS III) = 65 LIN. FT.

STA. 55+25.00 CONSTRUCT TYPE MO DROP INLET 20.00' RT. WITH 4' EXTENSION AND 24" x 35' R.C. PIPE TO DROP INLET AT STA. 54+85.00 RT. (4' DIA. H = 5'-2") 24" R.C. PIPE (CLASS III) = 35 LIN. FT.


STA. 56+13.00 CONSTRUCT TYPE MO DROP INLET 20.50' LT. WITH 4' EXTENSION AND 36" x 38' R.C. PIPE TO DROP INLET AT STA. 9+50.00 LT. (5' DIA. H = 6'-0") 36" R.C. PIPE (CLASS III) = 38 LIN. FT.

STA. 56+13.00 CONSTRUCT TYPE MO DROP INLET 20.50' RT. WITH 4' EXTENSION AND 24" x 83' R.C. PIPE TO DROP INLET AT STA. 55+25.00 RT. (5' DIA. H = 4'-7") 24" R.C. PIPE (CLASS III) = 83 LIN. FT.

NOTE:  
 STATION AND OFFSET SHOWN TO CENTER OF DRAINAGE STRUCTURE (TYP.)

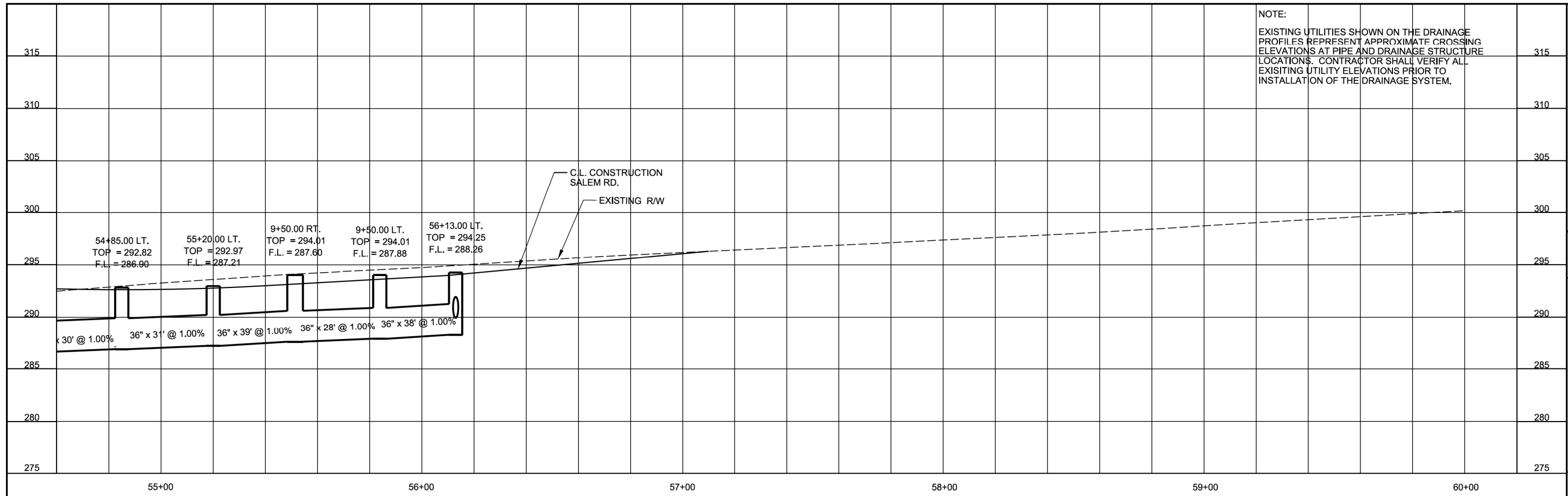


SEE GENERAL NOTE 1,  
 DRAWING G-002 OF THESE PLANS.

PRELIMINARY PLANS NOT FOR CONSTRUCTION	
BY	
DESCRIPTION	
DATE	
REV.	
 CITY OF CONWAY CONWAY, ARKANSAS SALEM RD. BRIDGE RECONSTRUCTION (CONWAY) (S)	
DRAINAGE PLAN AND PROFILE - SALEM RD. (SHEET 5 OF 6)	
JOB NO.: 19T20182	
DATE: JUNE 2021	
DESIGNED BY: DLT	
DRAWN BY: HJB	
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	
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SHEET NUMBER	
<b>31</b>	

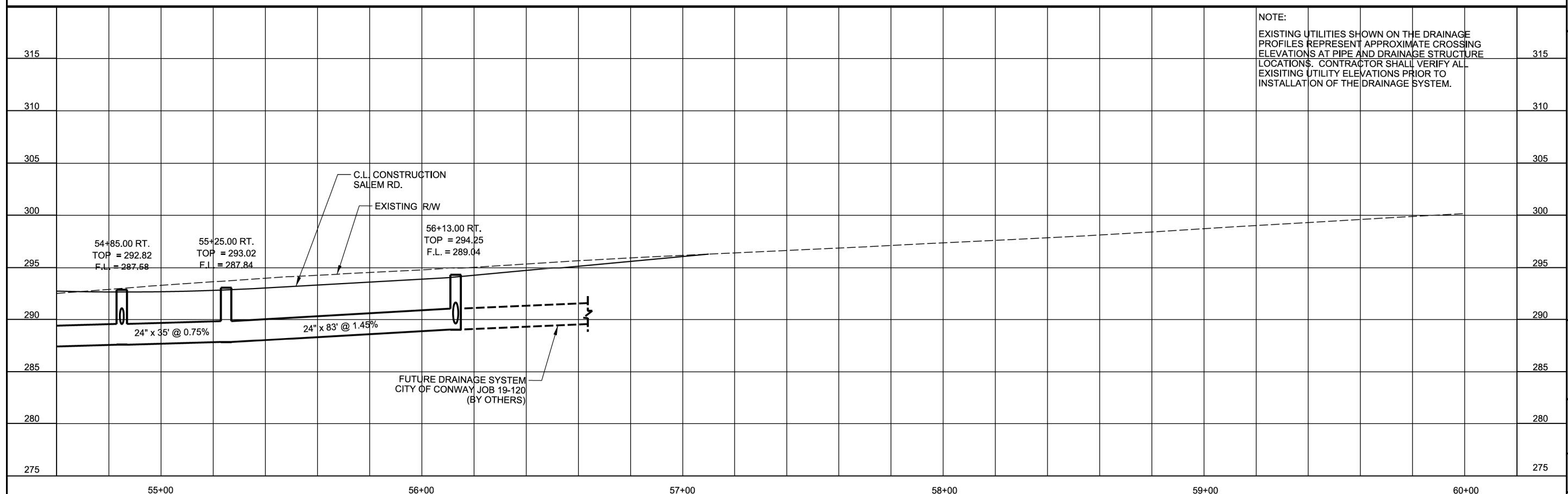
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55+00 56+00 57+00 58+00 59+00 60+00

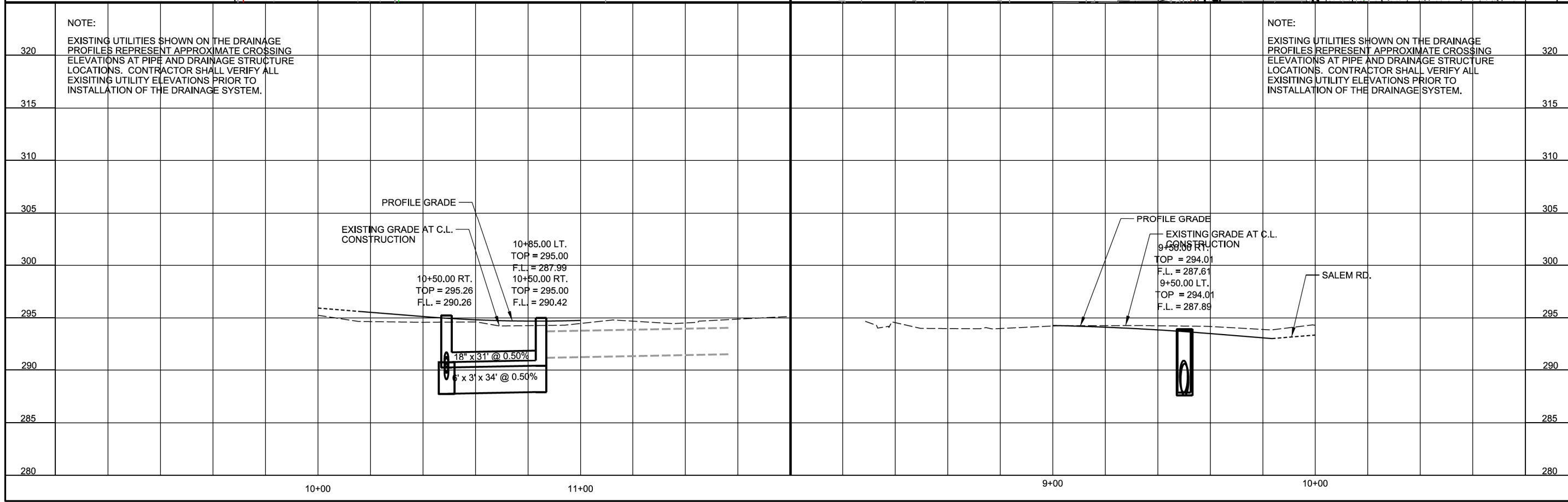
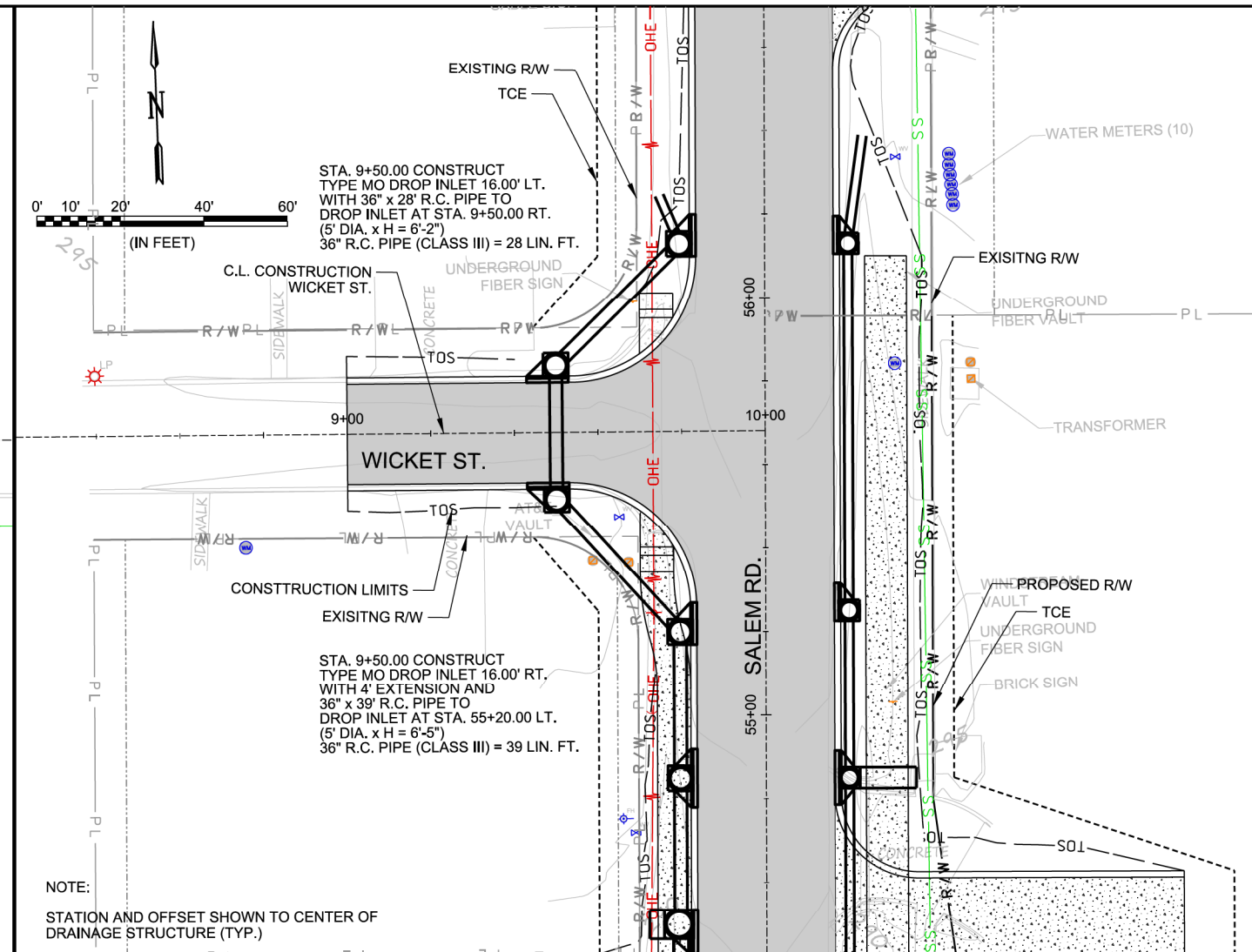
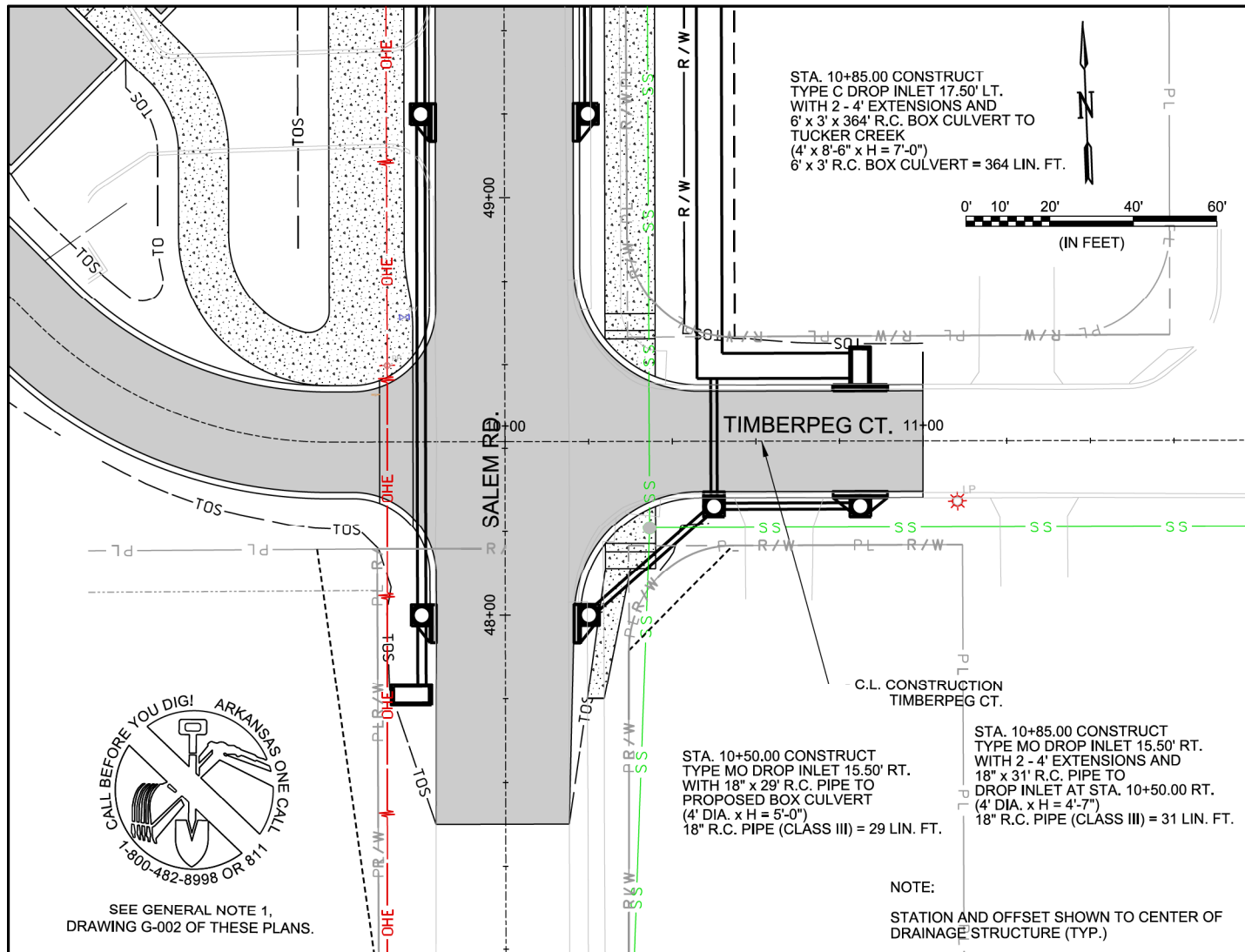
**LEFT SIDE**



55+00 56+00 57+00 58+00 59+00 60+00


**RIGHT SIDE**

<b>PRELIMINARY PLANS NOT FOR CONSTRUCTION</b>
BY: _____
DATE: _____
REV. _____
 <b>CITY OF CONWAY</b> CONWAY, ARKANSAS
<b>SALEM ROAD BRIDGE OVER KINLEY TRAIL</b>
<b>DRAINAGE PLAN AND PROFILE - SALEM RD. (SHEET 6 OF 6)</b>
JOB NO.: 19T20182 DATE: MAR. 2020 DESIGNED BY: DLT DRAWN BY: HJB
<small>BAR IS ONE INCH ON ORIGINAL DRAWING          IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.</small>
<b>DRAWING NUMBER</b> <b>C-706</b>
<b>SHEET NUMBER</b> <b>32</b>



**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY



**CITY OF CONWAY**  
CONWAY, ARKANSAS

**SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)**

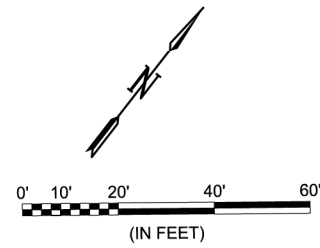
**DRAINAGE PLAN AND PROFILE - SIDE STREETS**

JOB NO.: 19T20182  
 DATE: JUNE 2021  
 DESIGNED BY: DLT  
 DRAWN BY: HJB

BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

**DRAWING NUMBER  
C-707**

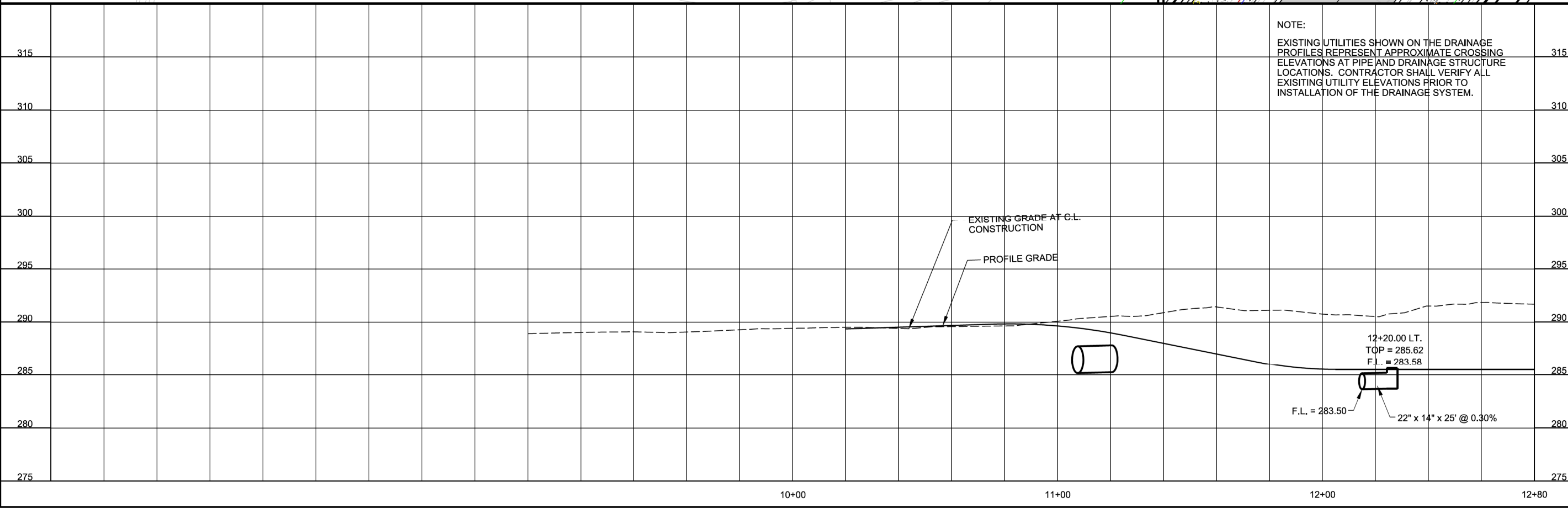
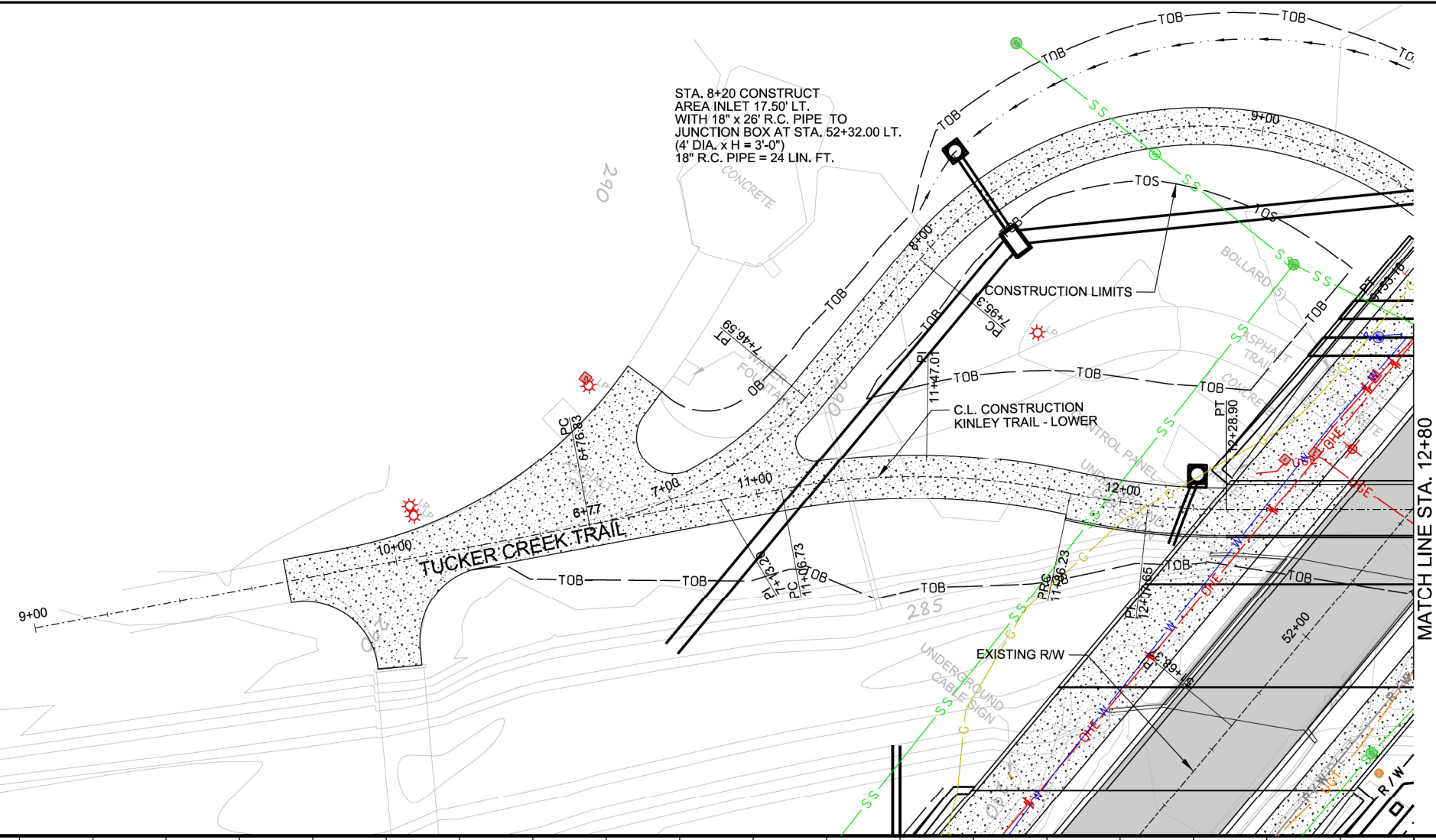
**SHEET NUMBER 33**



NOTE:  
STATION AND OFFSET SHOWN TO CENTER OF  
DRAINAGE STRUCTURE (TYP.)



SEE GENERAL NOTE 1,  
DRAWING G-002 OF THESE PLANS.



NOTE:  
EXISTING UTILITIES SHOWN ON THE DRAINAGE  
PROFILES REPRESENT APPROXIMATE CROSSING  
ELEVATIONS AT PIPE AND DRAINAGE STRUCTURE  
LOCATIONS. CONTRACTOR SHALL VERIFY ALL  
EXISTING UTILITY ELEVATIONS PRIOR TO  
INSTALLATION OF THE DRAINAGE SYSTEM.

PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY

CITY OF CONWAY  
CONWAY, ARKANSAS

SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

DRAINAGE PLAN AND  
PROFILE -  
KINLEY TRAIL - LOWER  
(SHEET 1 OF 2)

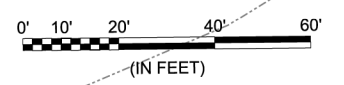
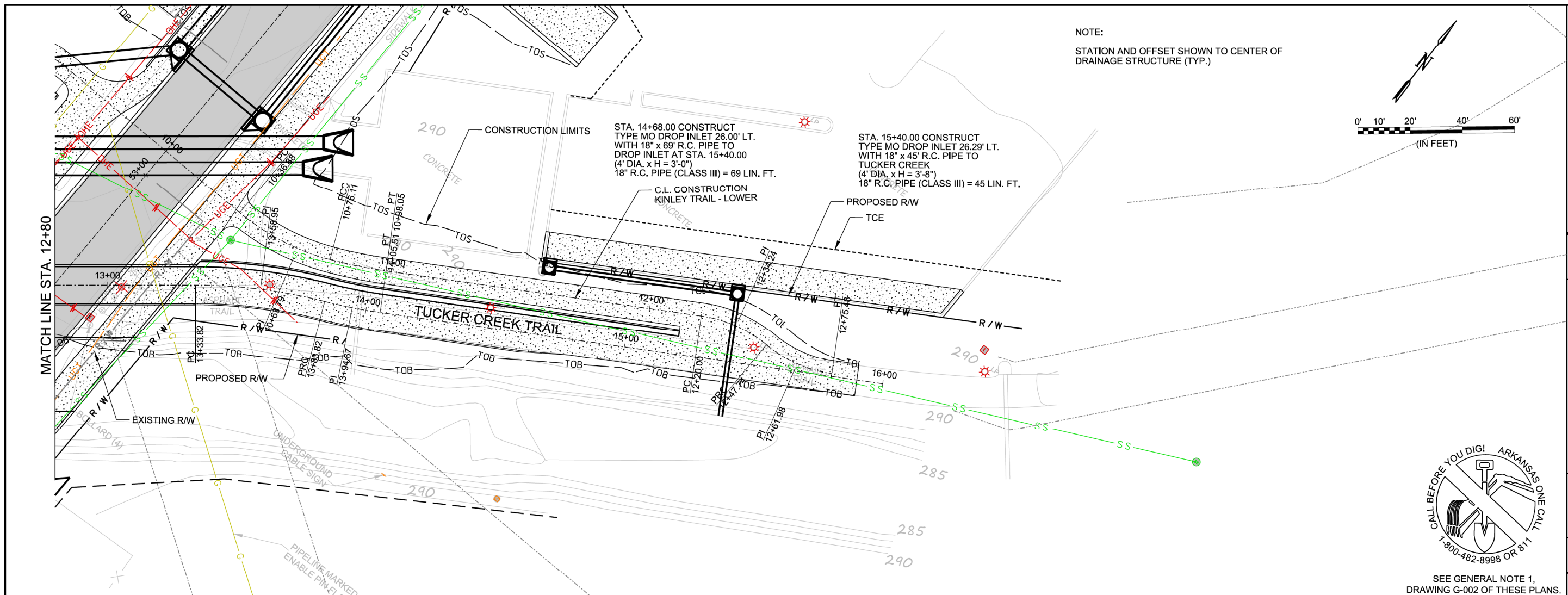
JOB NO.: 19T20182  
DATE: JUNE 2021  
DESIGNED BY: DLT  
DRAWN BY: HJB

BAR IS ONE INCH ON  
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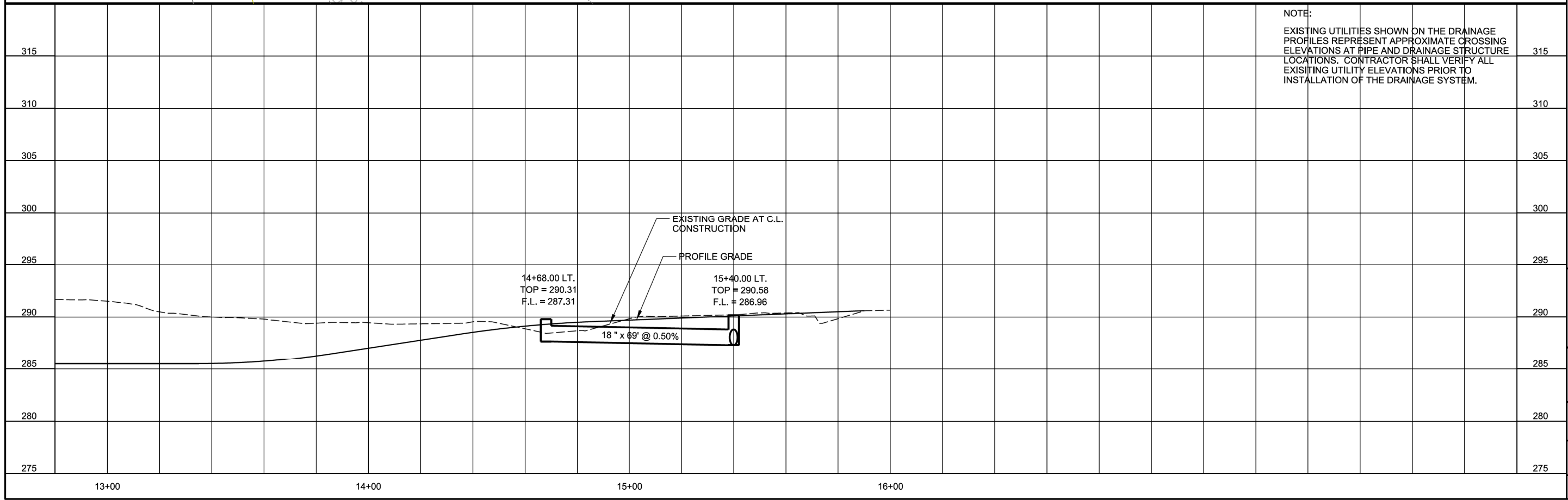
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**C-708**

SHEET  
NUMBER **34**

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SEE GENERAL NOTE 1, DRAWING G-002 OF THESE PLANS.



**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

REV.	DATE	DESCRIPTION	BY

CITY OF CONWAY  
CONWAY, ARKANSAS

SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

DRAINAGE PLAN AND PROFILE - KINLEY TRAIL - LOWER (SHEET 2 OF 2)

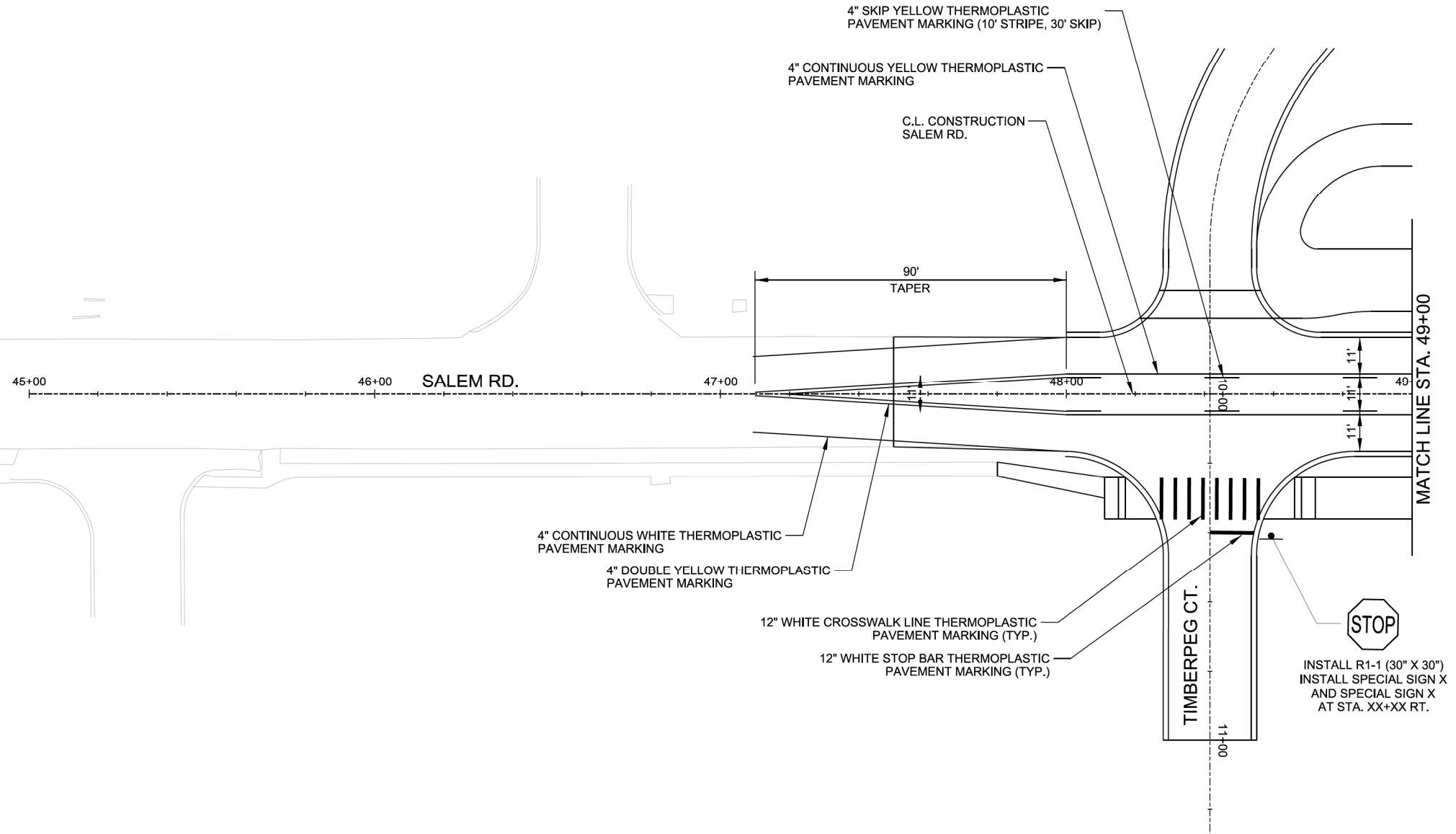
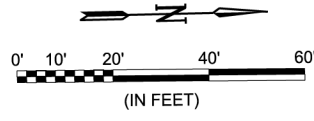
JOB NO.: 19T20182  
DATE: JUNE 2021  
DESIGNED BY: DLT  
DRAWN BY: HJB

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**C-709**

SHEET NUMBER  
**35**

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PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY



CITY OF CONWAY  
CONWAY, ARKANSAS

SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

PAVEMENT MARKING &  
SIGNING DETAILS  
(SHEET 1 OF 4)

JOB NO.: 19T20182  
DATE: JUNE 2021  
DESIGNED BY: DLT  
DRAWN BY: HJB

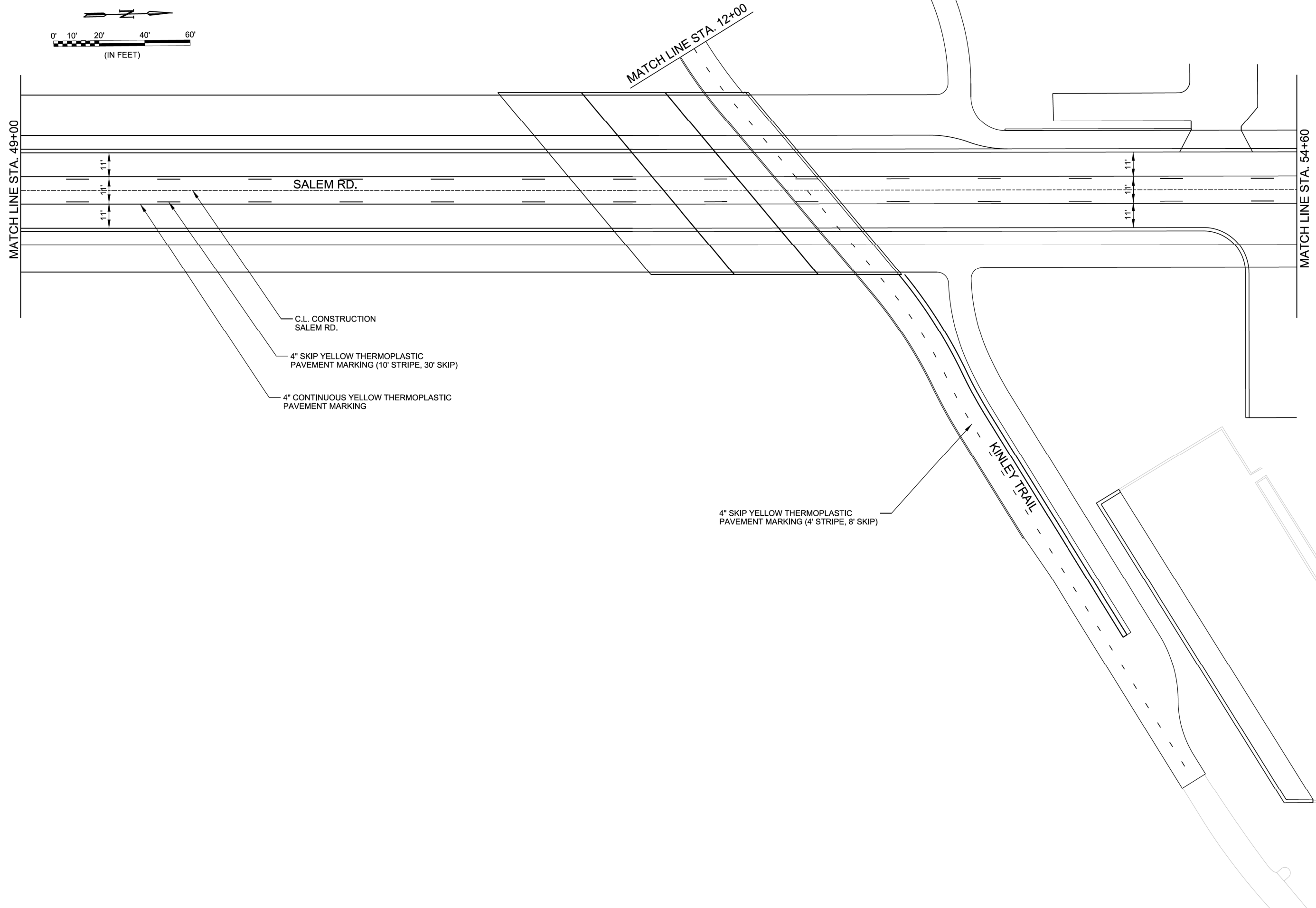
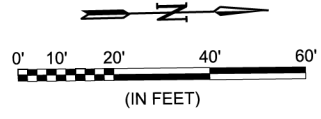
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**C-801**

SHEET NUMBER **36**

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REV.	DATE	DESCRIPTION	BY

  
 CITY OF CONWAY  
 CONWAY, ARKANSAS  
 SALEM RD. BRIDGE RECONSTRUCTION  
 (CONWAY) (S)

PAVEMENT MARKING  
 & SIGNING DETAILS  
 (SHEET 2 OF 4)

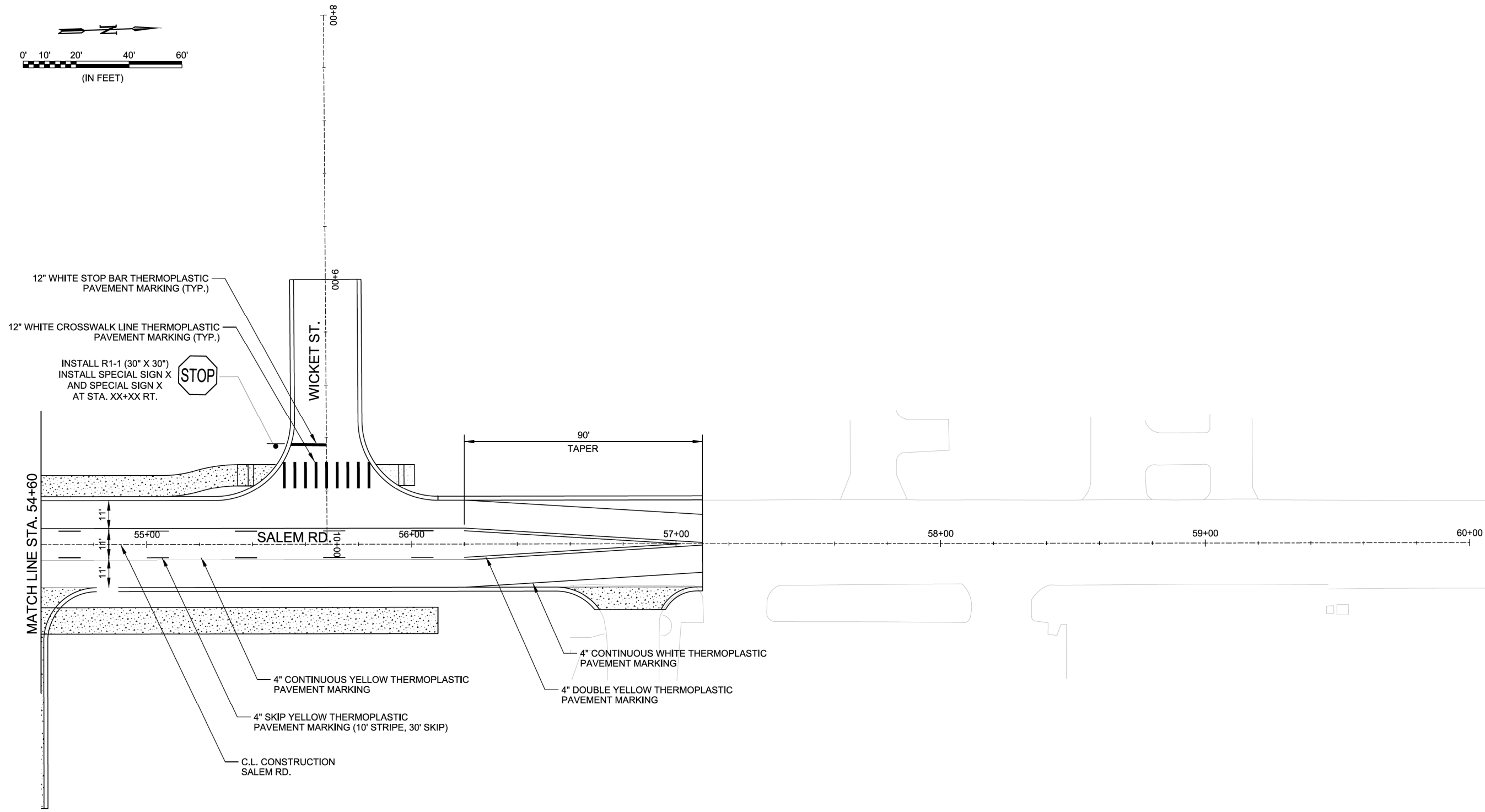
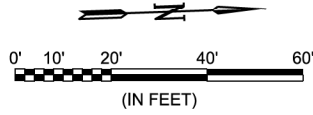
JOB NO.: 19T20182  
 DATE: JUNE 2021  
 DESIGNED BY: DLT  
 DRAWN BY: HJB

BAR IS ONE INCH ON  
 ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET,  
 ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**C-802**  
 SHEET NUMBER **37**

PRELIMINARY PLANS  
 NOT FOR CONSTRUCTION





PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY



CITY OF CONWAY  
CONWAY, ARKANSAS

SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)

PAVEMENT MARKING  
& SIGNING DETAILS  
(SHEET 3 OF 4)

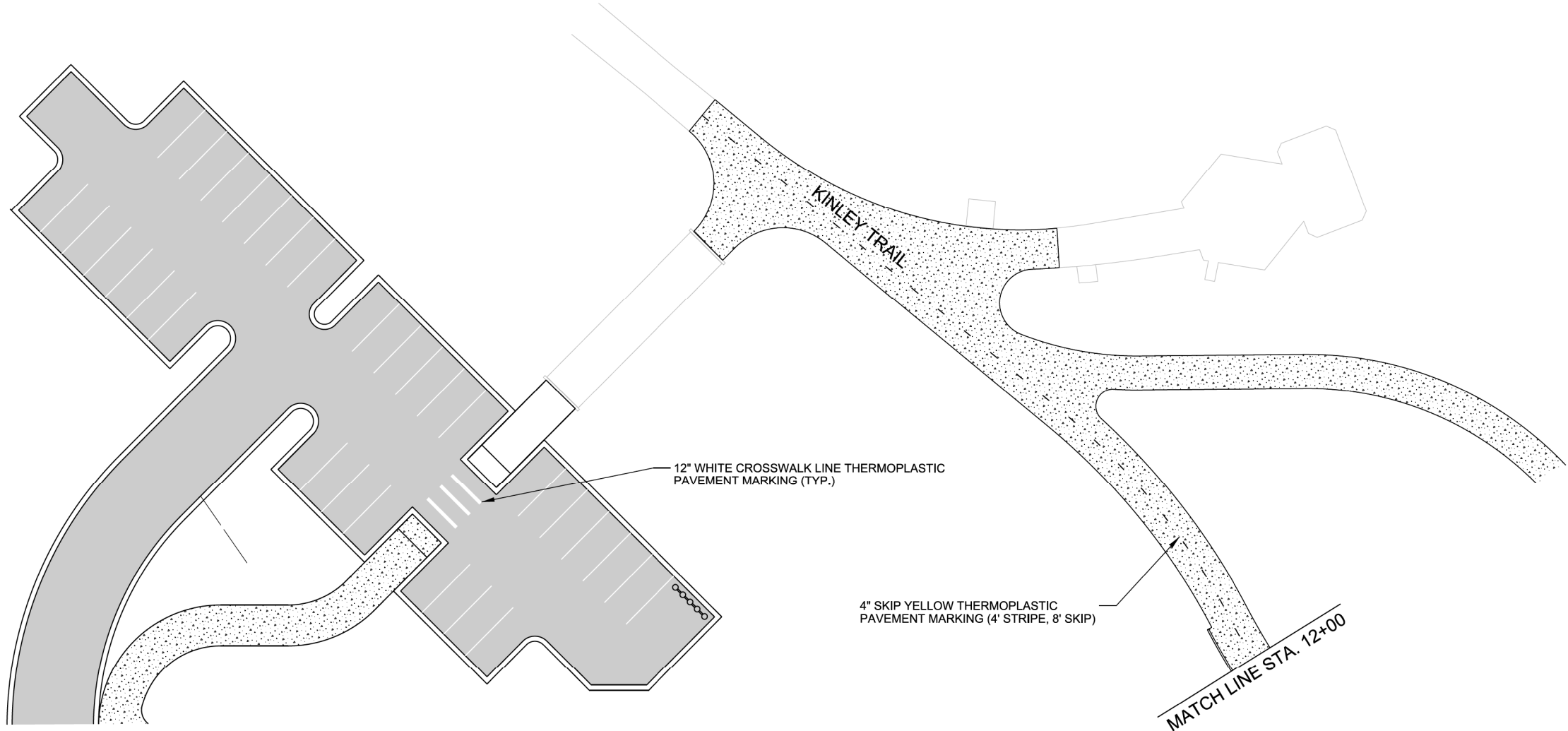
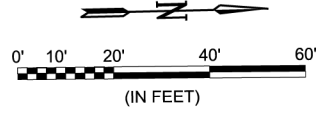
JOB NO.: 19T20182  
DATE: JUNE 2021  
DESIGNED BY: DLT  
DRAWN BY: HJB

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.


DRAWING NUMBER  
**C-603**

SHEET NUMBER **38**

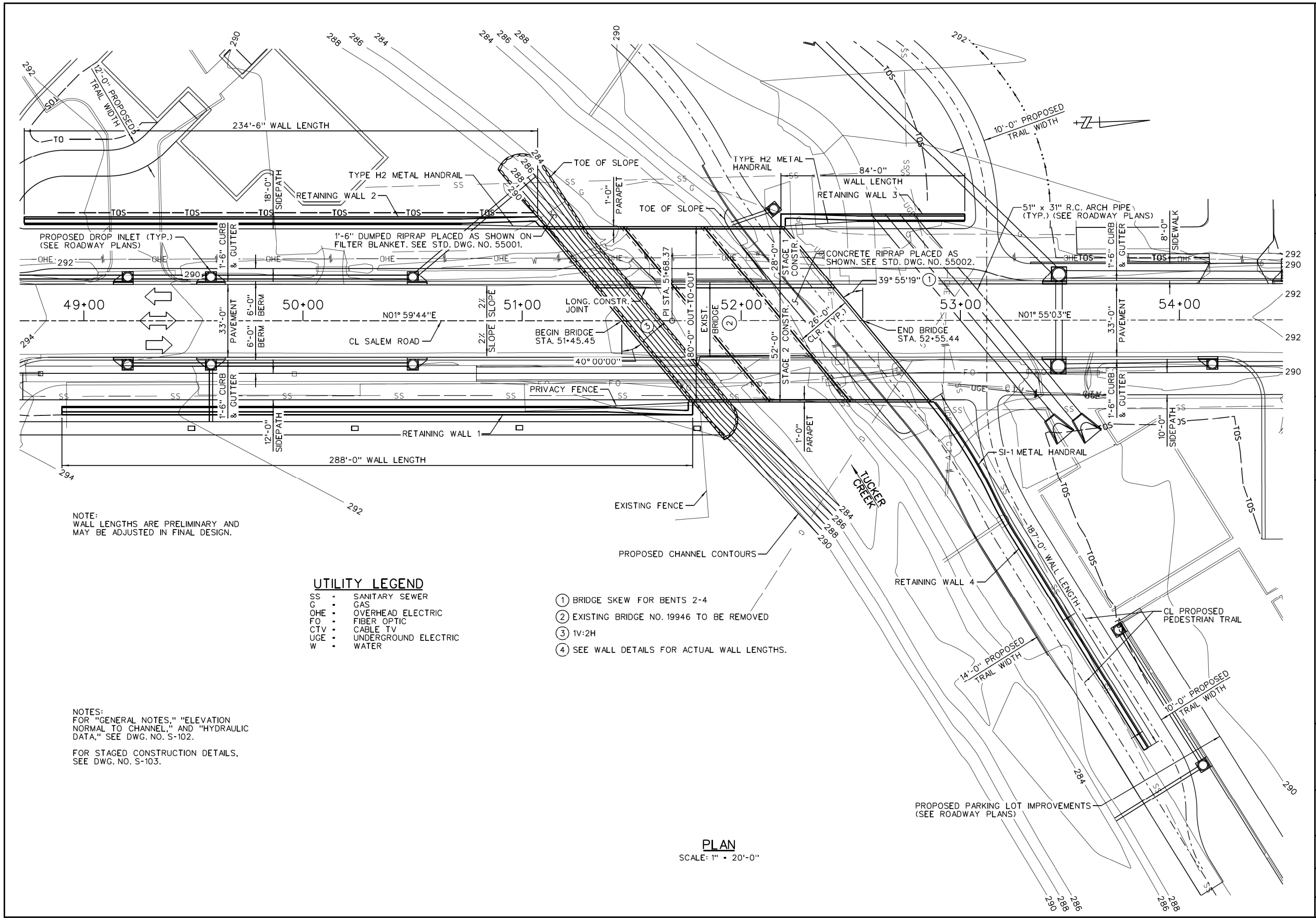
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HJBeck 6/7/2021 5:08:01 PM  
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<b>PRELIMINARY PLANS NOT FOR CONSTRUCTION</b>			
REV.	DATE	DESCRIPTION	BY
			
CITY OF CONWAY CONWAY, ARKANSAS		SALEM RD. BRIDGE RECONSTRUCTION (CONWAY) (S)	
<b>PAVEMENT MARKING &amp; SIGNING DETAILS (SHEET 4 OF 4)</b>			
JOB NO.: 19T20182 DATE: JUNE 2021 DESIGNED BY: DLT DRAWN BY: HJB			
BAR IS ONE INCH ON ORIGINAL DRAWING 0" = 1"			
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.			
DRAWING NUMBER <b>C-804</b>			
SHEET NUMBER <b>39</b>			

\$\$\$USER\$\$\$  
 \$\$\$DATE\$\$\$  
 \$\$\$TIME\$\$\$  
 \$\$\$WORKSPACE\$\$\$  
 \$\$\$WORKSPACE\$\$\$  
 \$\$\$FILES\$\$\$



NOTE:  
 WALL LENGTHS ARE PRELIMINARY AND  
 MAY BE ADJUSTED IN FINAL DESIGN.

**UTILITY LEGEND**

- SS - SANITARY SEWER
- G - GAS
- OHE - OVERHEAD ELECTRIC
- FO - FIBER OPTIC
- CTV - CABLE TV
- UGE - UNDERGROUND ELECTRIC
- W - WATER

- ① BRIDGE SKEW FOR BENTS 2-4
- ② EXISTING BRIDGE NO. 19946 TO BE REMOVED
- ③ 1V:2H
- ④ SEE WALL DETAILS FOR ACTUAL WALL LENGTHS.

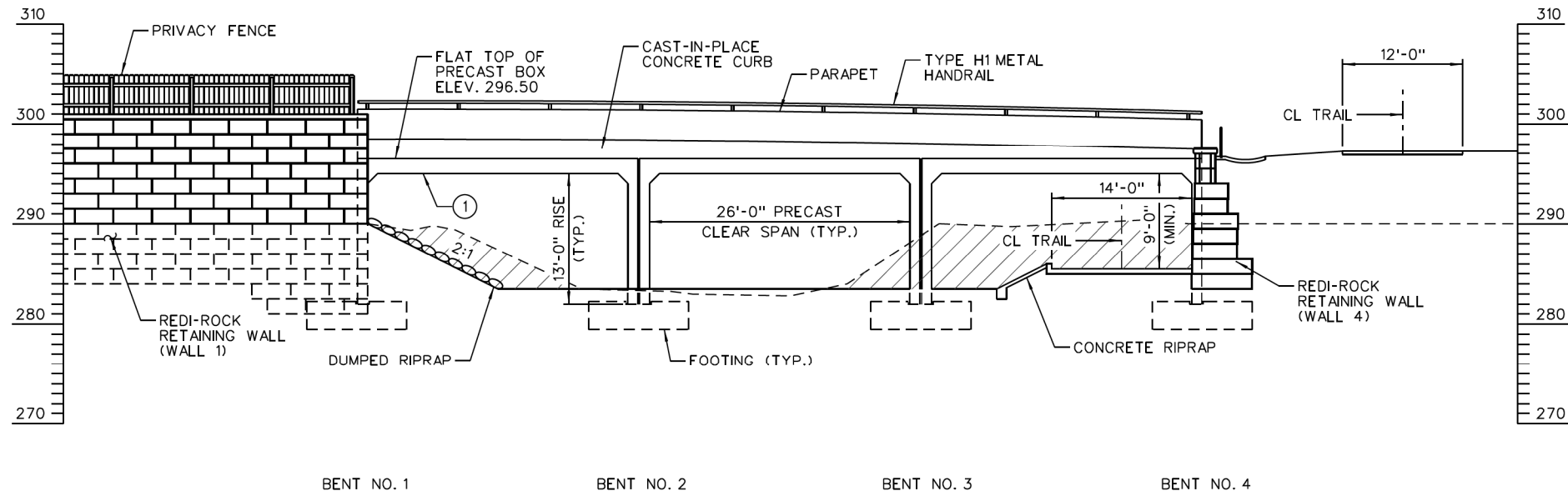
NOTES:  
 FOR "GENERAL NOTES," "ELEVATION  
 NORMAL TO CHANNEL," AND "HYDRAULIC  
 DATA," SEE DWG. NO. S-102.

FOR STAGED CONSTRUCTION DETAILS,  
 SEE DWG. NO. S-103.

**PLAN**  
 SCALE: 1" = 20'-0"

<b>PRELIMINARY PLANS NOT FOR CONSTRUCTION</b>	
BY	
DESCRIPTION	
DATE	
REV.	
 <b>CITY OF CONWAY</b> CONWAY, ARKANSAS	
<b>SALEM RD. BRIDGE RECONSTRUCTION</b> (CONWAY) (S)	
BRIDGE LAYOUT (SHEET 1 OF 2)	
JOB NO.: 19T20182	
DATE: JUNE 2021	
DESIGNED BY: DRG	
DRAWN BY: DRG	
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	
DRAWING NUMBER	
<b>S-101</b>	
SHEET NUMBER	
<b>40</b>	

① PROPOSED LOW CHORD ELEV. 295.00 (LEVEL) (TYP. ALL BOXES)



**ELEVATION NORMAL TO CHANNEL**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES:**

IN CASE OF CONFLICT BETWEEN INFORMATION SHOWN ON STANDARD BRIDGE STRUCTURE DRAWINGS AND INFORMATION SHOWN IN THESE PLANS, INFORMATION SHOWN IN THESE PLANS SHALL GOVERN.

BENCHMARK: VERTICAL CONTROL DATA ARE SHOWN IN SURVEY CONTROL DETAILS.

CONSTRUCTION SPECIFICATIONS: ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2014 EDITION) WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS. UNLESS NOTED OTHERWISE IN THE PLANS, SECTION AND SUBSECTION REFER TO THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 8TH EDITION (2017)

LIVE LOADING: HL-93 METHOD OF DESIGN: LRFD

SEISMIC PERFORMANCE ZONE: X SITE CLASS: X

OPERATIONAL IMPORTANCE CATEGORY: TYPICAL

MATERIALS AND STRENGTHS:  
 CLASS S(AE) - BRIDGE CONCRETE (SUPERSTRUCTURE) f'c = 4,000 psi  
 CLASS S - BRIDGE CONCRETE (SUBSTRUCTURE) f'c = 3,500 psi  
 REINFORCING STEEL (AASHTO M 31 OR M 322, TYPE A) fy = 60,000 psi

CAUTION: THERE IS A POSSIBILITY THAT UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. ALL EXISTING UTILITIES MAY NOT BE SHOWN ON THE PLANS, AND THE ACTUAL LOCATION OF THE UTILITIES MAY VARY FROM THE LOCATION SHOWN ON THE PLANS. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITY ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE SYSTEM.

BORING LOGS: SEE DWG. NOS. S-104 & S-105.

FOOTINGS: WHERE ROCK IS ENCOUNTERED AT OR ABOVE ELEV. XXX.XX, FOOTINGS SHALL BE KEYED A MINIMUM OF 1'-0" INTO MATERIAL DESIGNATED AS XXXX ON THE BORING LEGEND. WHERE ROCK IS ENCOUNTERED BELOW ELEV. XXX.XX, THE TOP OF THE FOOTINGS SHALL BE SET AT ELEV. XXX.XX. THE ALLOWABLE BEARING CAPACITY FOR FOOTINGS KEYED A MINIMUM OF 1'-0" INTO XXXX IS XXXXX PSF. THE ALLOWABLE BEARING CAPACITY FOR FOOTINGS SEATED ON XXXX IS XXXXX PSF. FOUNDATIONS FOR FOOTINGS SHALL BE PREPARED IN ACCORDANCE WITH SUBSECTION 801.04. ROCK EXCAVATIONS SHALL BE MADE TO NEAT LINES OF THE CONCRETE FOOTINGS. CARE SHALL BE EXERCISED TO AVOID SHATTERING OF ROCK FACES BY EXCESSIVE BLASTING. CONCRETE IN FOOTINGS KEYED INTO ROCK SHALL BE POURED DIRECTLY AGAINST EXCAVATED SURFACES OF ROCK. EXCAVATIONS SHALL BE BACKFILLED AND COMPACTED TO THE CHANNEL FLOW LINE GRADE IN ACCORDANCE WITH SUBSECTION 801.08.

THREE-SIDED PRECAST CULVERT: PRECAST CULVERT SHALL BE FABRICATED AND CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN AND JOB SPECIAL PROVISION, "THREE-SIDED PRECAST CULVERTS."

EXISTING BRIDGE: EXISTING BRIDGE IS 40.0' WIDE AND 53.0' LONG. THE EXISTING BRIDGE CONSISTS OF A CAST-IN-PLACE TOP SLAB SUPPORTED BY MASONRY WALLS AND FORMS A FOUR BARREL BOX CULVERT WITH BOX DIMENSIONS OF 12' HORIZONTAL AND 6.7' VERTICAL.

REMOVAL AND SALVAGE: ALL MATERIAL REMOVED FROM THE EXISTING BRIDGE UNDER ITEM XXXXX SHALL BE DISPOSED OF ACCORDING TO SECTION 205. ALL MATERIAL FROM THE EXISTING BRIDGE SHALL BECOME PROPERTY OF THE CONTRACTOR.

SHORING: SHORING MAY BE REQUIRED. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS. SEE SP JOB 080668 "SHORING."

MAINTENANCE OF TRAFFIC: SEE ROADWAY PLANS.

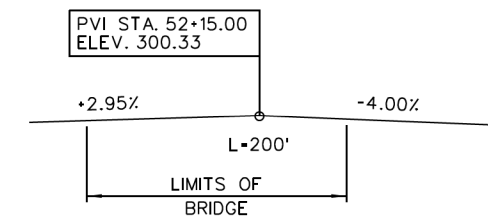
DETAIL DRAWINGS: DRAWING NO(S):

- LAYOUT OF BRIDGE S-101
- DETAILS OF STAGED CONSTRUCTION S-103
- BORING LOGS S-104 & S-105
- DETAILS OF SUBSTRUCTURE S-201
- DETAILS OF SUPERSTRUCTURE S-301
- DETAILS OF RETAINING WALL NOS. 1-4 S-501 THRU S-504
- DUMPED RIPRAP AND FILTER BLANKET 55001
- CONCRETE RIPRAP 55002

**HYDRAULIC DATA**

FLOOD DESCRIPTION	FREQUENCY	DISCHARGE	NORMAL WATER SURFACE ELEVATION	WATER SURFACE ELEVATION WITH BACKWATER
	YEARS	CFS	FEET	FEET
DESIGN	XX	XXX	XXX	XXX
EXTREME	XX	XXX	XXX	XXX
OVERTOPPING	XX	XXX	XXX	XXX

DRAINAGE AREA = X.X SQUARE MILES.  
HISTORICAL HIGH WATER ELEV. = N/A



**VERTICAL CURVE DATA**

SALEM ROAD  
(PROFILE GRADE ALONG CL CONSTRUCTION)

**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

BY	
DESCRIPTION	
DATE	
REV.	

**CITY OF CONWAY  
CONWAY, ARKANSAS**

**SALEM RD. BRIDGE RECONSTRUCTION  
(CONWAY) (S)**

BRIDGE LAYOUT  
(SHEET 2 OF 2)

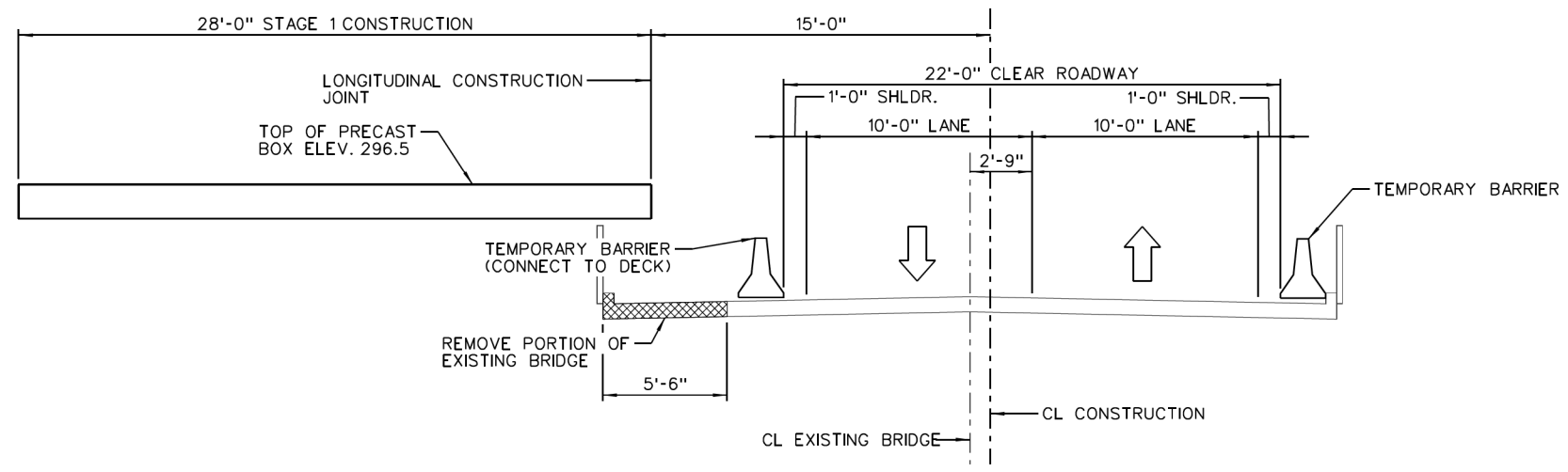
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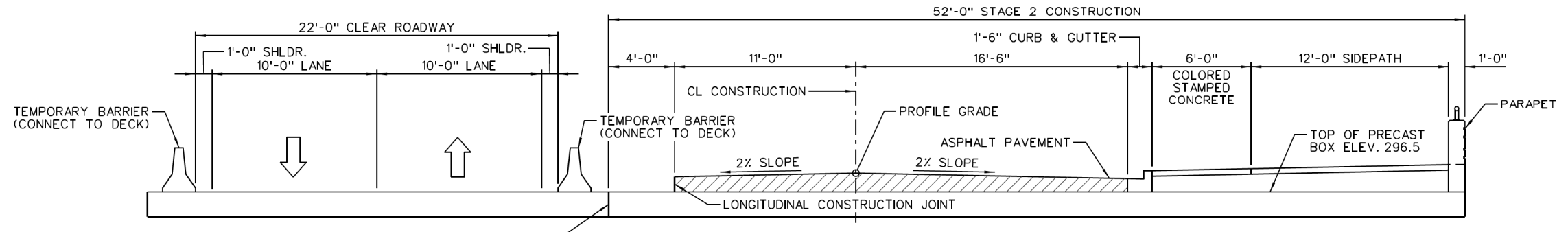
DRAWING NUMBER  
**S-102**

SHEET NUMBER  
**41**

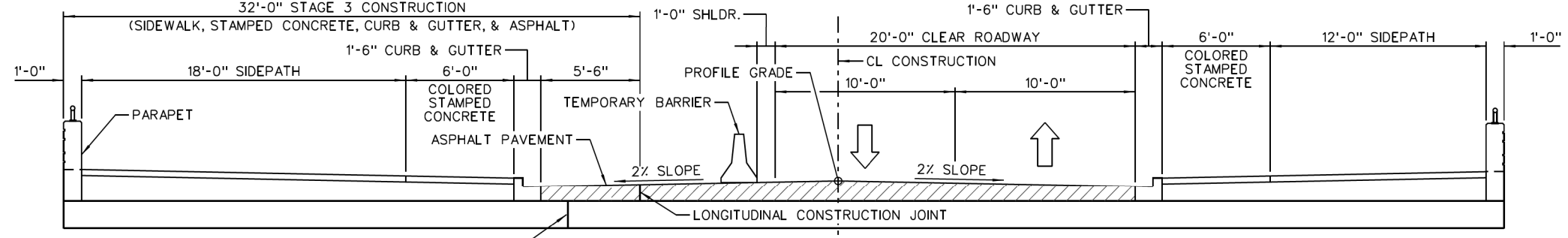
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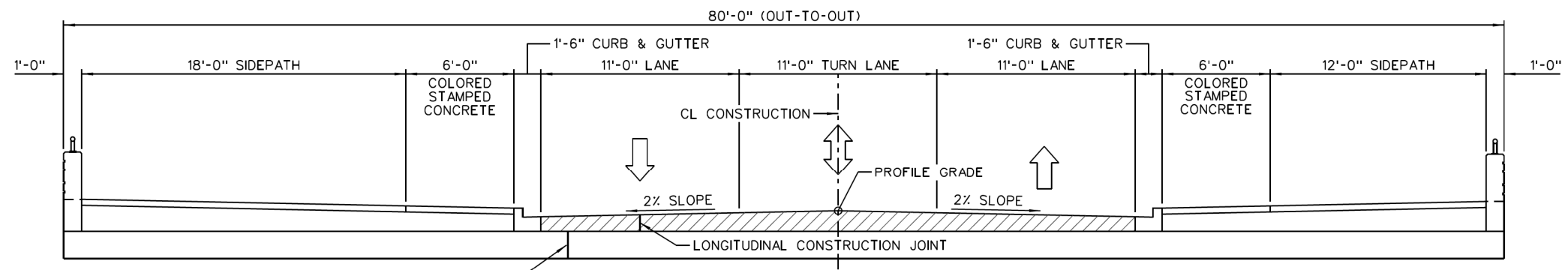
**TYPICAL SECTION - STAGE 1 CONSTRUCTION**  
SCALE: 1/4" = 1'-0"



**TYPICAL SECTION - STAGE 2 CONSTRUCTION**  
SCALE: 1/4" = 1'-0"



**TYPICAL SECTION - STAGE 3 CONSTRUCTION**  
SCALE: 1/4" = 1'-0"



**TYPICAL SECTION - FINAL CONDITION**  
SCALE: 1/4" = 1'-0"

PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	BY

  
 CITY OF CONWAY  
 CONWAY, ARKANSAS  
 SALEM RD. BRIDGE RECONSTRUCTION  
 (CONWAY) (S)

DETAILS OF STAGED  
CONSTRUCTION

JOB NO.: 19T20182  
 DATE: JUNE 2021  
 DESIGNED BY: DRG  
 DRAWN BY: DRG

BAR IS ONE INCH ON  
 ORIGINAL DRAWING  
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DRAWING NUMBER  
**S-103**

SHEET  
 NUMBER **42**

\$\$\$USER\$\$\$  
 \$\$\$DATE\$\$\$  
 \$\$\$TIME\$\$\$  
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