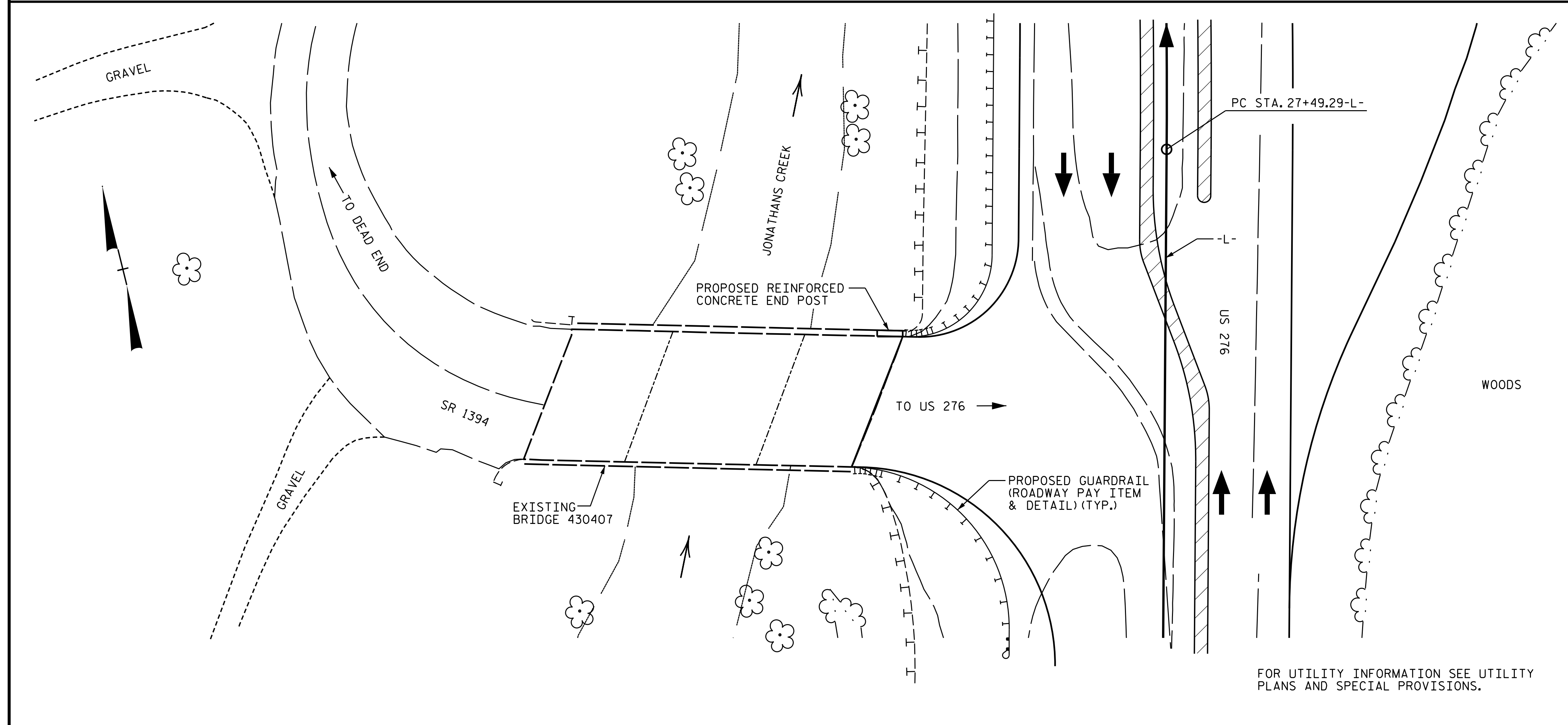


BENCH MARK #1: RR SPIKE IN 27" WHITE PINE BL STA. 7+84.00 58' RT. ELEV.= 2109.21'

F.A. PROJECT No.: 0276019



LOCATION SKETCH

SCOPE OF WORK

REMOVE THE EXISTING END POST AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE EXISTING VERTICAL REINFORCING STEEL IN THE DECK SHALL BE RETAINED, CLEANED AND SPLICED WITH THE PROPOSED REINFORCING STEEL. CONSTRUCT THE NEW END POST AS DETAILED ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

ALL OF THE WORK, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED FOR THE REMOVAL OF THE EXISTING END POST AND FOR THE CONSTRUCTION OF THE PROPOSED END POST SHALL BE PAID FOR UNDER THE LUMP SUM PRICE BID FOR "REINFORCED CONCRETE END POST".

GENERAL NOTES

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR BONDING OF NEW CONCRETE TO OLD, THE OLD CONCRETE SHALL BE THOROUGHLY ROUGHENED, CLEANED OF LOOSE MATERIAL AND WETTED FOR A MINIMUM OF TWO HOURS PRIOR TO PLACING NEW CONCRETE.

CARE SHALL BE TAKEN DURING THE REMOVAL OF THE END POST TO AVOID DAMAGING THE EXISTING CONCRETE DECK. DAMAGE TO THE EXISTING STRUCTURE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT. THE METHOD OF REPAIR SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.

ALL REINFORCING STEEL IN THE END POST SHALL BE EPOXY COATED.

FOR REINFORCED CONCRETE END POST, SEE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP TO 400 TONS OF REINFORCING STEEL, ONE 30 INCH SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS REQUIRING OVER 400 TONS OF REINFORCING STEEL, TWO 30 INCH SAMPLES OF EACH SIZE BAR USED. THE SAMPLE BARS SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND THE SAMPLE BARS SHOULD BE REPLACED BY SPICED BARS AS SPECIFIED IN THE SAMPLE BAR REPLACEMENT CHART. PAYMENT FOR THE AMPLE BARS AND REPLACEMENT REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

BILL OF MATERIAL	
REINFORCED CONCRETE END POST	LUMP SUM

PROJECT NO. R-5921  
HAYWOOD COUNTY

SHEET 1 OF 3 BRIDGE NO. 430407

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

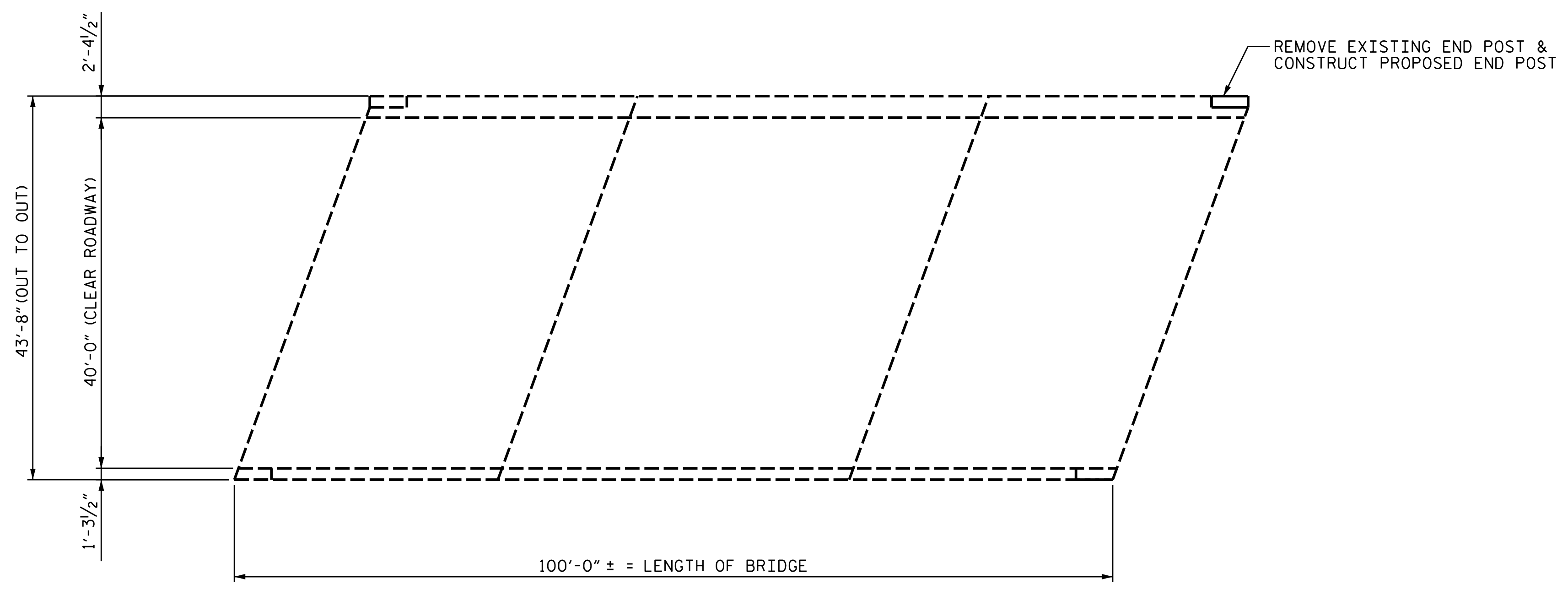
EXISTING BRIDGE 407  
OVER JONATHANS CREEK  
ON SR 1394 BETWEEN  
US 276 AND DEAD END

8/7/2024

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS  
201 W. MARION ST STE 200  
SHELBY, NC 28150  
PH (704) 476-0003  
CORP. LICENSE NO.: C-0275

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			3



PLAN VIEW

SAMPLE BAR REPLACEMENT	
SIZE	LENGTH
#3	6'-2"
#4	7'-4"
#5	8'-6"
#6	9'-8"
#7	10'-10"
#8	12'-0"
#9	13'-2"
#10	14'-6"
#11	15'-10"

NOTE:  
SAMPLE BAR REPLACEMENT LENGTHS BASED ON 30" (SAMPLE LENGTH) PLUS TWO SPLICE LENGTHS AND f<sub>y</sub> = 60ksi.

DRAWN BY : NMW DATE : 07/24  
CHECKED BY : MCC DATE : 07/24