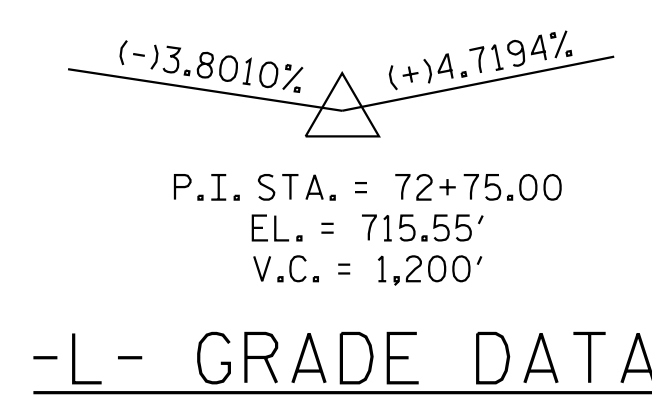


**HYDRAULIC DATA**

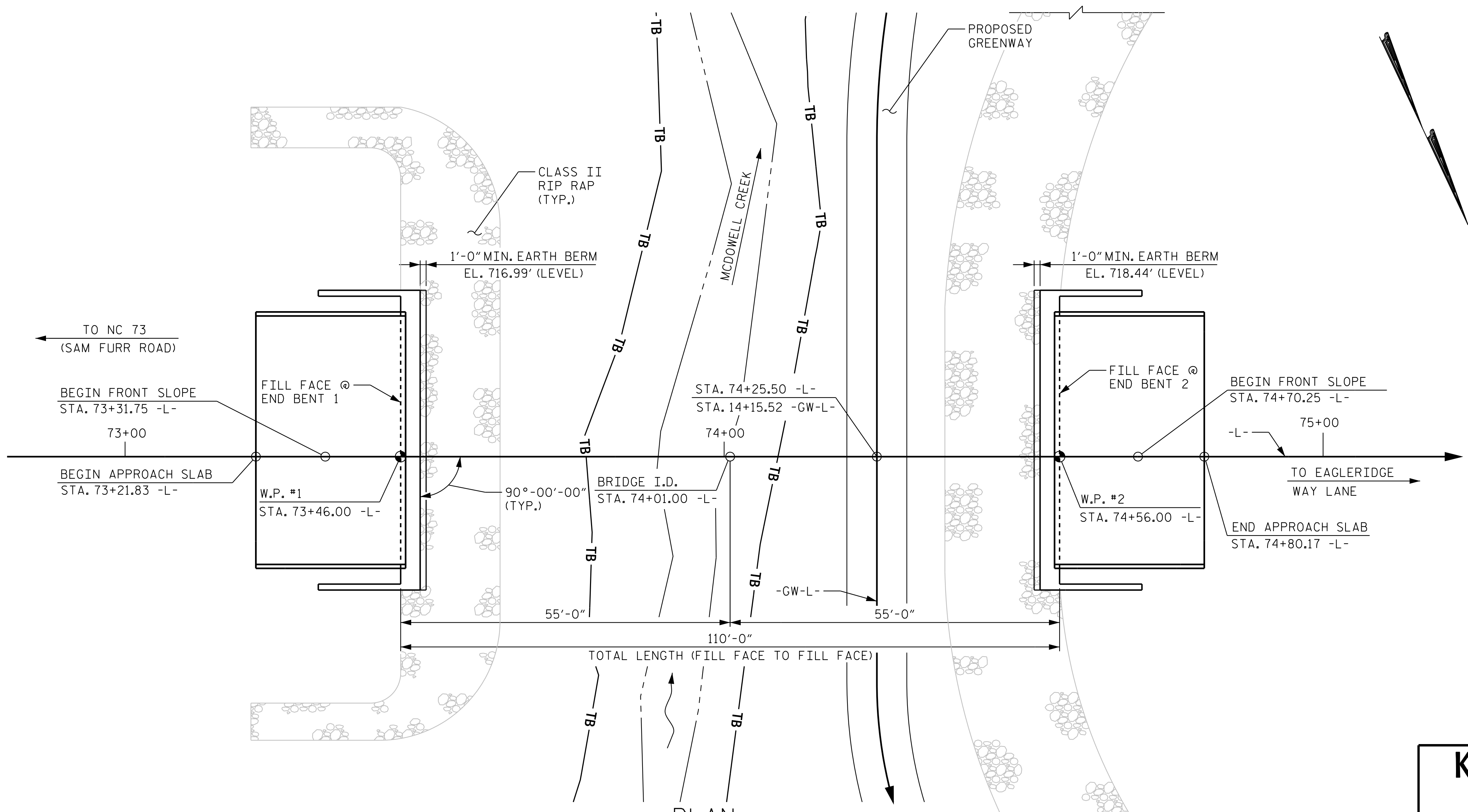
DESIGN DISCHARGE -----1,600 CFS  
 FREQUENCY OF DESIGN FLOOD -----25-YR.  
 DESIGN HIGH WATER ELEVATION-----713.8 FT.  
 DRAINAGE AREA -----2.87 SQ. MI.  
 BASE DISCHARGE (Q100) -----2,453 CFS  
 BASE HIGH WATER ELEVATION -----715.1 FT.

**OVERTOPPING FLOOD DATA**

OVERTOPPING DISCHARGE ----->2,500 CFS  
 FREQUENCY OF OVERTOPPING FLOOD --->500-YR.  
 OVERTOPPING FLOOD ELEVATION -----728.2 FT.



I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS.



K:\BID Structures\Bridges\NC\101036359 - U-5108\Geo\Drawings\SMU\01-591403.dgn

DRAWN BY: J. I. KIMBLE      DATE: 10/2023  
 CHECKED BY: T. H. ORR      DATE: 10/2023  
 DESIGN ENGINEER OF RECORD: C. T. POOLE      DATE: 10/2023

**Kimley»Horn**

421 Fayetteville Street, Suite 600  
 Raleigh, NC 27601-1772  
 Phone (919) 677-2000      NC LICENSE # F-0102

4/4/2024

SEAL  
 ENGINEER  
 C. T. POOLE  
 047653

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

PROJECT NO. U-5108  
MECKLENBURG COUNTY  
 STATION: 74+01.00 -L-

SHEET 1 OF 4      BRIDGE NO. 591403

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						SHEET NO. S-1
GENERAL DRAWING FOR BRIDGE ON NORTHCROSS DRIVE EXTENSION OVER MCDOWELL CREEK BETWEEN NC 73 AND EAGLERIDGE WAY LANE						TOTAL SHEETS 33
REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			