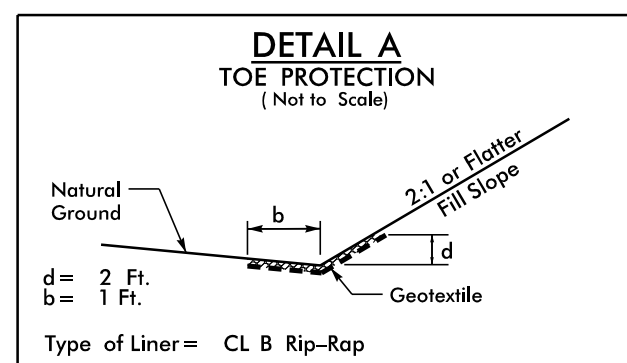
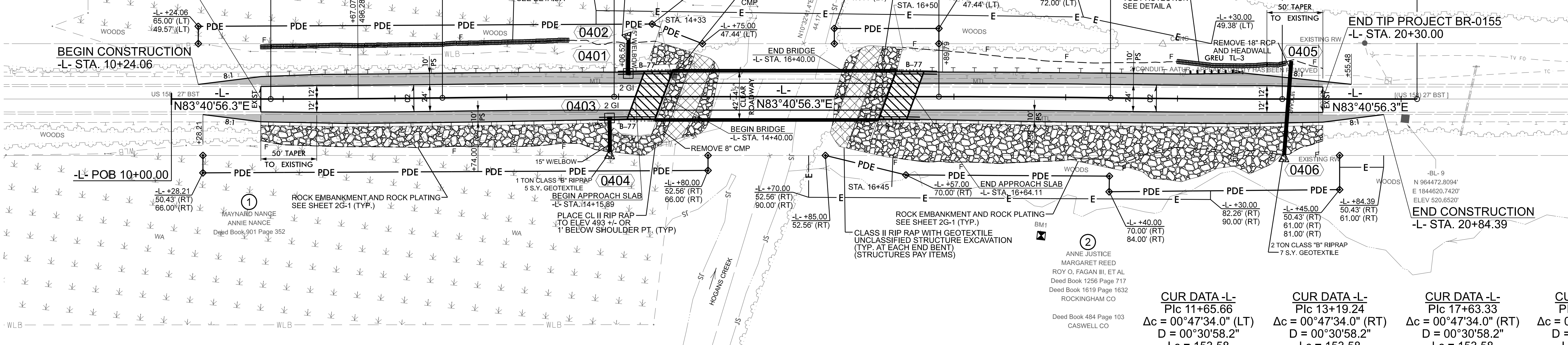
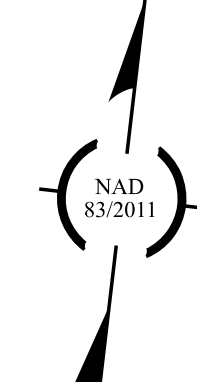




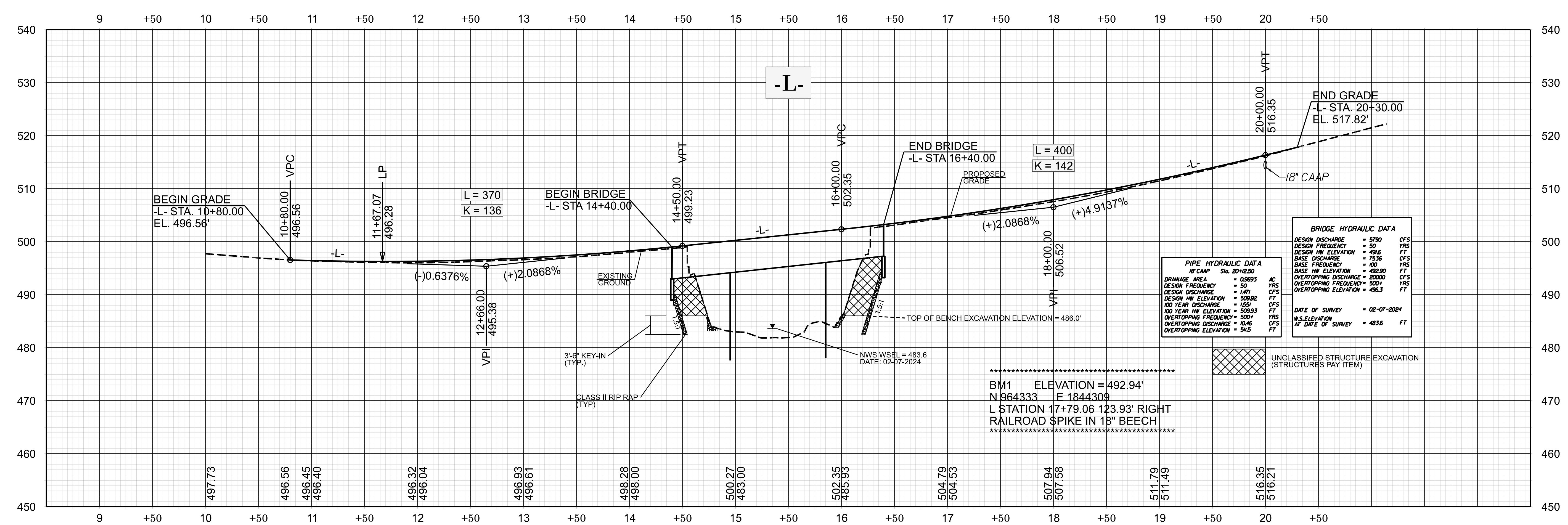
FROM STA. 10+80 TO STA. 13+56 LT
158 TNS RIPRAP
426 SY GEOTEXTILE
STA. 19+00 TO STA. 19+92 LT
56 TNS RIP RAP
50 SY GEOTEXTILE



②
ANNE JUSTICE
MARGARET REED
ROY O. FAGAN III, ET AL
Deed Book 1256 Page 717
Deed Book 1619 Page 1632
ROCKINGHAM CO
Deed Book 484 Page 103
CASWELL CO



CUR DATA -L- Plc 11+65.66 Δc = 00°47'34.0" (LT) D = 00°30'58.2" Lc = 153.58 Tc = 76.79 R = 11,100 SE = 2.000	CUR DATA -L- Plc 13+19.24 Δc = 00°47'34.0" (RT) D = 00°30'58.2" Lc = 153.58 Tc = 76.79 R = 11,100 SE = 2.000	CUR DATA -L- Plc 17+63.33 Δc = 00°47'34.0" (RT) D = 00°30'58.2" Lc = 153.58 Tc = 76.79 R = 11,100 SE = 2.000	CUR DATA -L- Plc 19+16.91 Δc = 00°47'34.0" (LT) D = 00°30'58.2" Lc = 153.58 Tc = 76.79 R = 11,100 SE = 2.000
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PIPE HYDRAULIC DATA	
18" CAAP	Sta. 20+12.50
DRAINAGE AREA	= 0.9693 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 1471 CFS
DESIGN HW ELEVATION	= 509.92 FT
100 YEAR DISCHARGE	= 1551 CFS
100 YEAR HW ELEVATION	= 509.93 FT
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 1046 CFS
OVERTOPPING ELEVATION	= 516.3 FT

BRIDGE HYDRAULIC DATA	
DESIGN DISCHARGE	= 5790 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 491.6 FT
BASE DISCHARGE	= 7536 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 492.90 FT
OVERTOPPING DISCHARGE	= 20000 CFS
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING ELEVATION	= 496.3 FT
DATE OF SURVEY	= 02-07-2024
WS. ELEVATION AT DATE OF SURVEY	= 483.6 FT

BM1 ELEVATION = 492.94'
N 964333 E 1844309
L STATION 17+79.06 123.93' RIGHT
RAILROAD SPIKE IN 18" BEECH

BR-0155
4RD1 04
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ROCKINGHAM COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

PROFESSIONAL
SEAL
044594
ENGINEER
BENJAMIN A. WHITE

10/8/2025

HYDRAULICS
ENGINEER

PROFESSIONAL
SEAL
040302
ENGINEER
WILLIAM K. JERNICAN

10/8/2025

DOCUMENT NOW CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PREPARED BY

GANNETT FLEMING