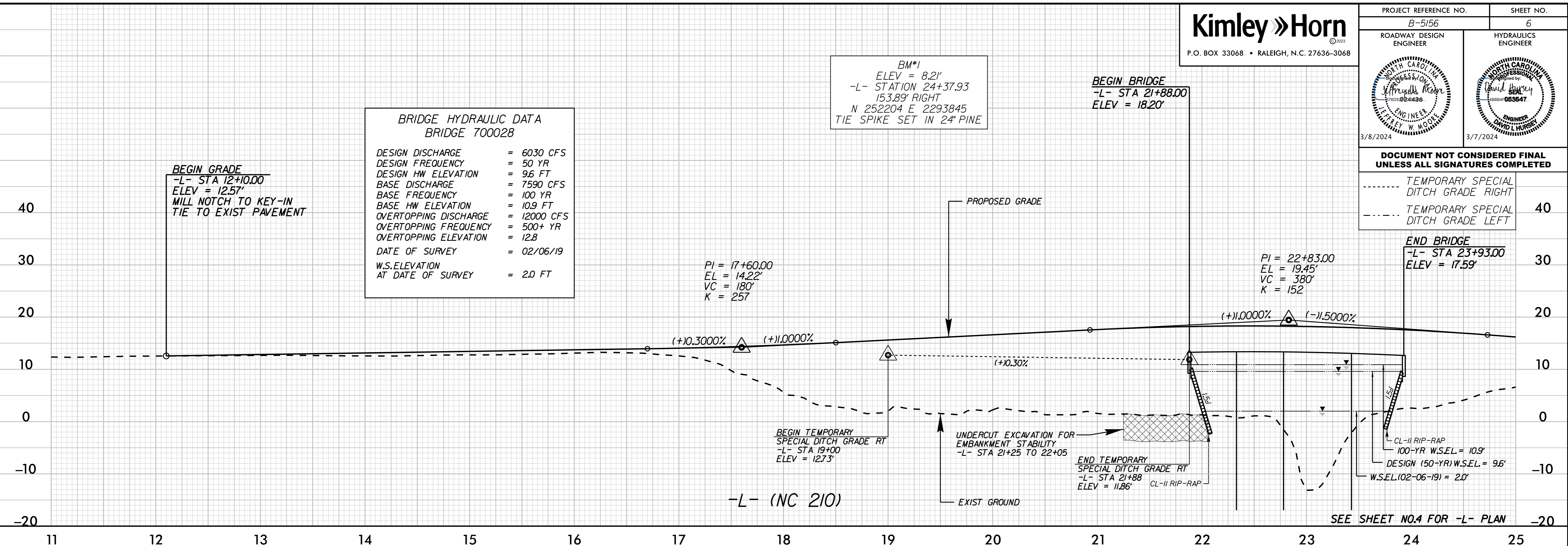


5/14/2024

PROJECT REFERENCE NO. B-5156	SHEET NO. 6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

----- TEMPORARY SPECIAL DITCH GRADE RIGHT
 ----- TEMPORARY SPECIAL DITCH GRADE LEFT



**BRIDGE HYDRAULIC DATA
BRIDGE 700028**

DESIGN DISCHARGE = 6030 CFS
 DESIGN FREQUENCY = 50 YR
 DESIGN HW ELEVATION = 9.6 FT
 BASE DISCHARGE = 7590 CFS
 BASE FREQUENCY = 100 YR
 BASE HW ELEVATION = 10.9 FT
 OVERTOPPING DISCHARGE = 12000 CFS
 OVERTOPPING FREQUENCY = 500+ YR
 OVERTOPPING ELEVATION = 12.8
 DATE OF SURVEY = 02/06/19
 W.S. ELEVATION AT DATE OF SURVEY = 2.0 FT

BM*1
 ELEV = 8.21'
 -L- STATION 24+37.93
 153.89' RIGHT
 N 252204 E 2293845
 TIE SPIKE SET IN 24' PINE

BEGIN BRIDGE
 -L- STA 21+88.00
 ELEV = 18.20'

END BRIDGE
 -L- STA 23+93.00
 ELEV = 17.59'

PI = 17+60.00
 EL = 14.22'
 VC = 180'
 K = 257

PI = 22+83.00
 EL = 19.45'
 VC = 360'
 K = 152

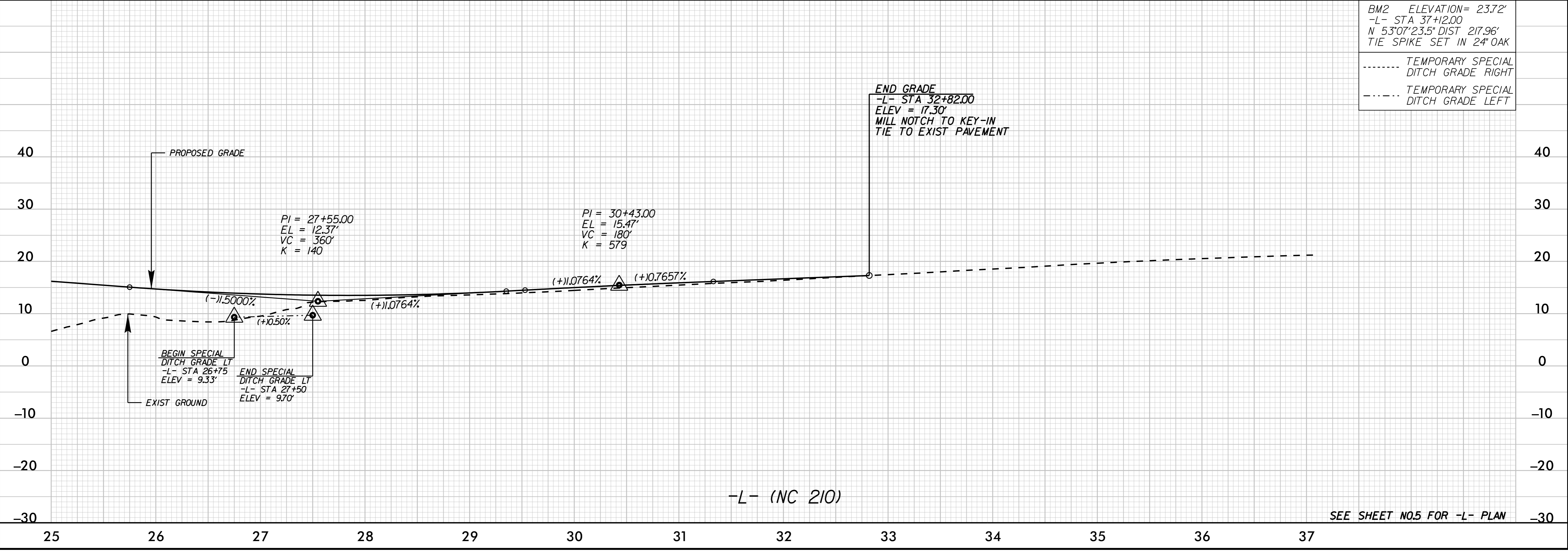
BEGIN TEMPORARY SPECIAL DITCH GRADE RT
 -L- STA 19+00
 ELEV = 12.73'

UNDERCUT EXCAVATION FOR EMBANKMENT STABILITY
 -L- STA 21+25 TO 22+05

END TEMPORARY SPECIAL DITCH GRADE RT
 -L- STA 21+88
 ELEV = 11.86'

CL-II RIP-RAP
 100-YR W.S.E.L. = 10.9'
 DESIGN (50-YR) W.S.E.L. = 9.6'
 W.S.E.L. (02-06-19) = 2.0'

SEE SHEET NO.4 FOR -L- PLAN



BM2 ELEVATION = 23.72'
 -L- STA 37+12.00
 N 53°07'23.5" DIST 217.96'
 TIE SPIKE SET IN 24" OAK

----- TEMPORARY SPECIAL DITCH GRADE RIGHT
 ----- TEMPORARY SPECIAL DITCH GRADE LEFT

END GRADE
 -L- STA 32+82.00
 ELEV = 17.30'
 MILL NOTCH TO KEY-IN
 TIE TO EXIST PAVEMENT

PI = 27+55.00
 EL = 12.37'
 VC = 360'
 K = 140

PI = 30+43.00
 EL = 15.47'
 VC = 180'
 K = 579

BEGIN SPECIAL DITCH GRADE LT
 -L- STA 26+75
 ELEV = 9.33'

END SPECIAL DITCH GRADE LT
 -L- STA 27+50
 ELEV = 9.70'

SEE SHEET NO.5 FOR -L- PLAN

3/7/2024