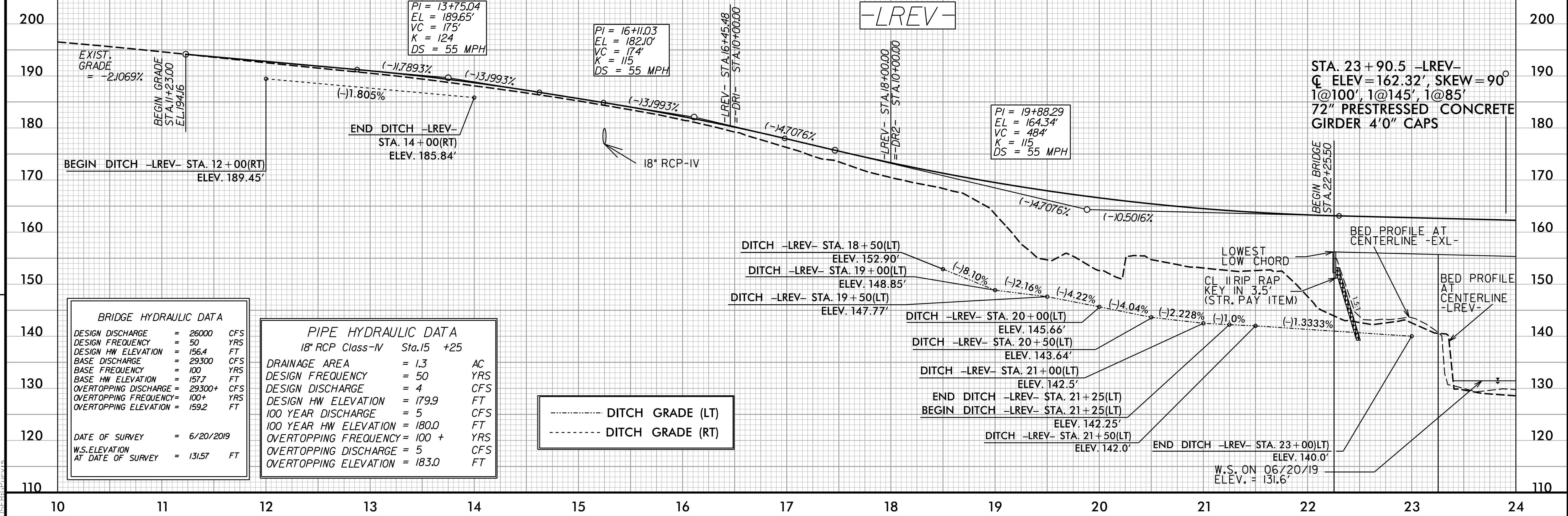
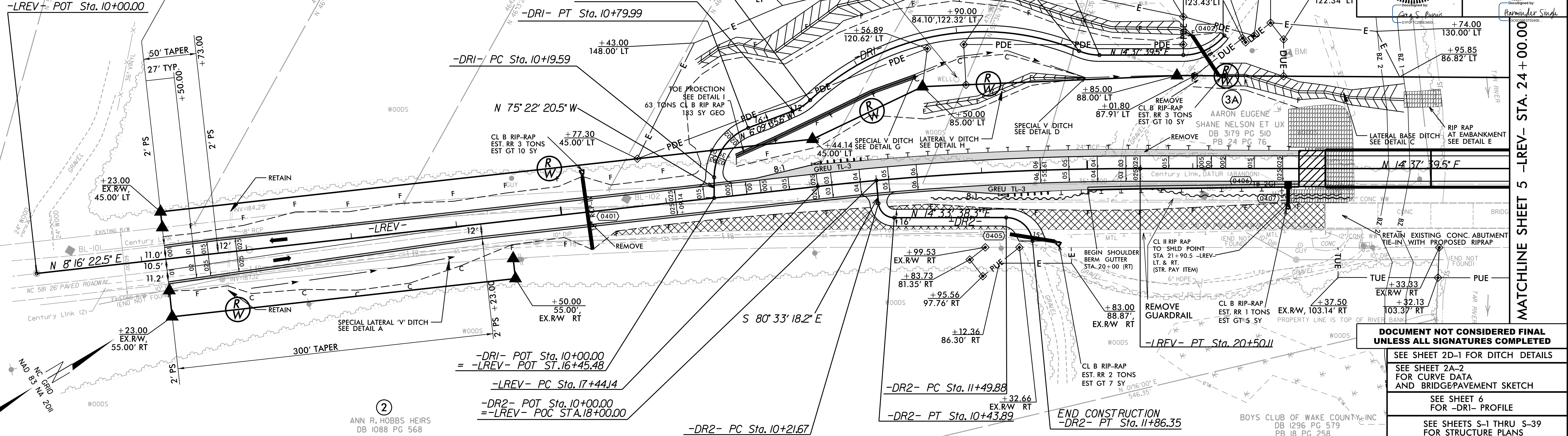


# BEGIN NCDOT PROJECT B-5947 -LREV- POT STA. 11+23.00

1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

PROJECT REFERENCE NO. <b>B-5947</b>	SHEET NO. <b>4</b>
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER 9/28/2022	9/28/2022
SEAL 022999	SEAL 044561



BRIDGE HYDRAULIC DATA	
DESIGN DISCHARGE	= 26000 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 156.4 FT
BASE DISCHARGE	= 29300 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 157.7 FT
OVERTOPPING DISCHARGE	= 29300+ CFS
OVERTOPPING FREQUENCY	= 100+ YRS
OVERTOPPING ELEVATION	= 159.2 FT
DATE OF SURVEY	= 6/20/2019
W.S. ELEVATION AT DATE OF SURVEY	= 131.57 FT

PIPE HYDRAULIC DATA	
18" RCP Class-IV Sta. 15 +25	
DRAINAGE AREA	= 1.3 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 4 CFS
DESIGN HW ELEVATION	= 179.9 FT
100 YEAR DISCHARGE	= 5 CFS
100 YEAR HW ELEVATION	= 180.0 FT
OVERTOPPING FREQUENCY	= 100 + YRS
OVERTOPPING DISCHARGE	= 5 CFS
OVERTOPPING ELEVATION	= 183.0 FT

----- DITCH GRADE (LT)  
----- DITCH GRADE (RT)

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

SEE SHEET 2D-1 FOR DITCH DETAILS  
SEE SHEET 2A-2 FOR CURVE DATA AND BRIDGE PAVEMENT SKETCH  
SEE SHEET 6 FOR -DRI- PROFILE  
SEE SHEETS S-1 THRU S-39 FOR STRUCTURE PLANS

REVISIONS  
 9/28/2022 B-5947\_rdy\_psh\_4.dgn  
 11/15/2022