
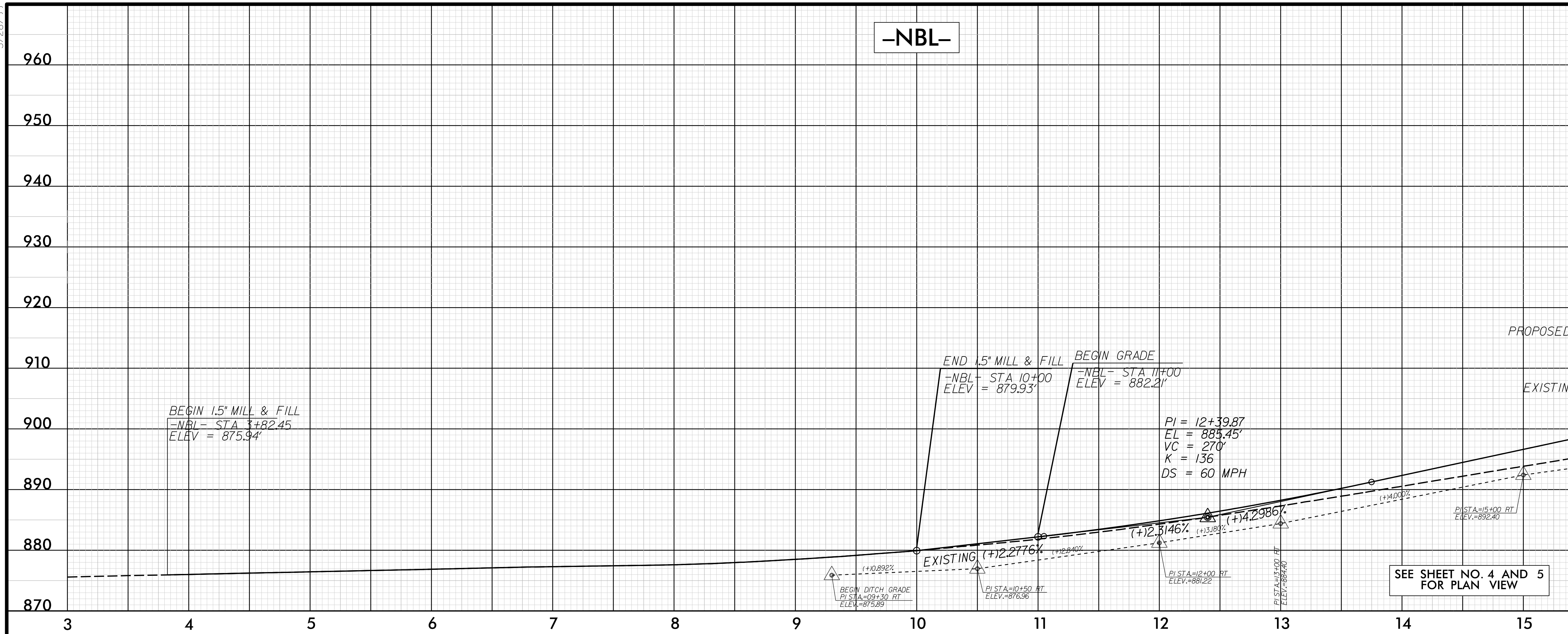


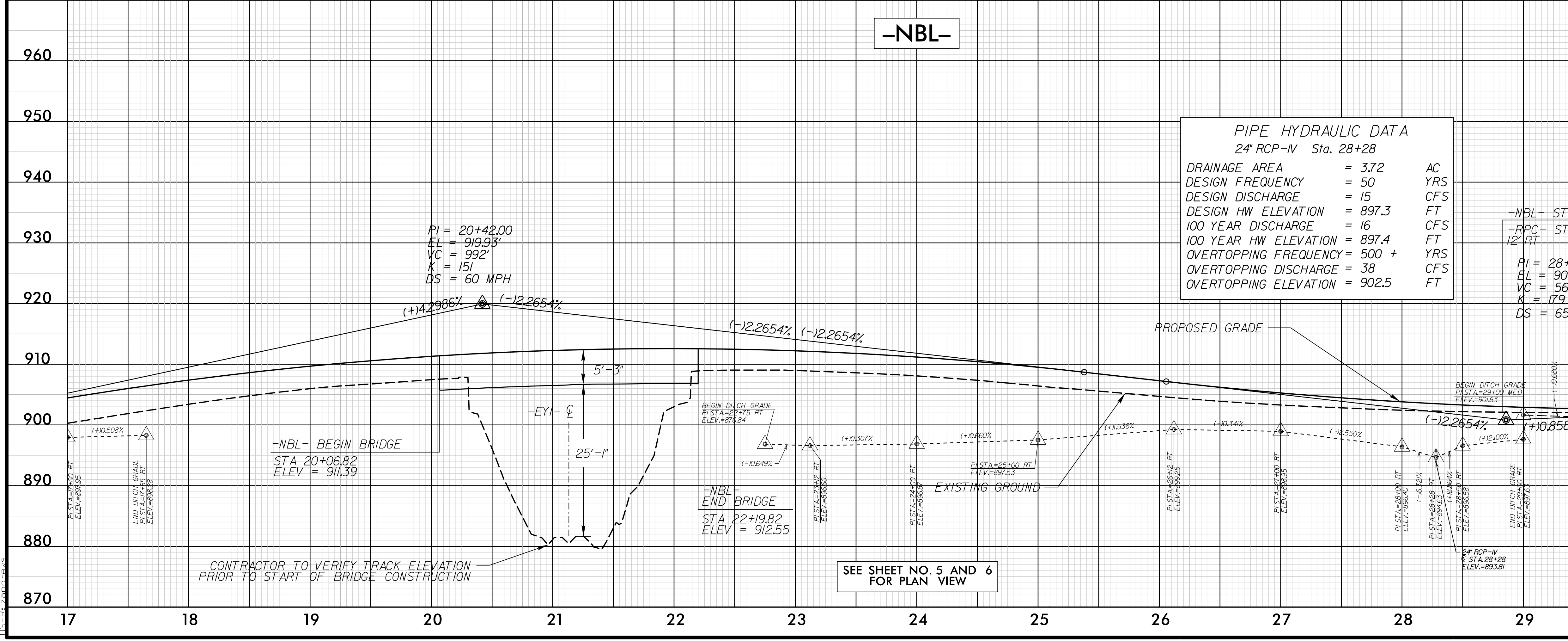
5/28/2023

PROJECT REFERENCE NO. B-5783	SHEET NO. 7
ROADWAY DESIGN ENGINEER <i>Jack Ardine</i>	HYDRAULIC DESIGN ENGINEER <i>Andrew M. ...</i>
PROFESSIONAL SEAL 052554	PROFESSIONAL SEAL 052554
DATE: 04/12/2023	DATE: 04/12/2023
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 DAVENPORT HOME OFFICE 119 BROOKSTOWN AVE. SUITE P11 WINSTON-SALEM, NC 27101 336.744.1636 www.davenportnc.com NCBELS FIRM LICENSE NO. C-2522	



SEE SHEET NO. 4 AND 5 FOR PLAN VIEW

4:56:55 PM 7/15/2023 16:09:05 NCDOT_B5783_US29-70_DESIGN\B5783\Roadway_Sheets\B5783_R0Y_PSH_07.dgn



PIPE HYDRAULIC DATA	
24" RCP-IV Sta. 28+28	
DRAINAGE AREA	= 3.72 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 15 CFS
DESIGN HW ELEVATION	= 897.3 FT
100 YEAR DISCHARGE	= 16 CFS
100 YEAR HW ELEVATION	= 897.4 FT
OVERTOPPING FREQUENCY	= 500 + YRS
OVERTOPPING DISCHARGE	= 38 CFS
OVERTOPPING ELEVATION	= 902.5 FT

CONTRACTOR TO VERIFY TRACK ELEVATION PRIOR TO START OF BRIDGE CONSTRUCTION

SEE SHEET NO. 5 AND 6 FOR PLAN VIEW