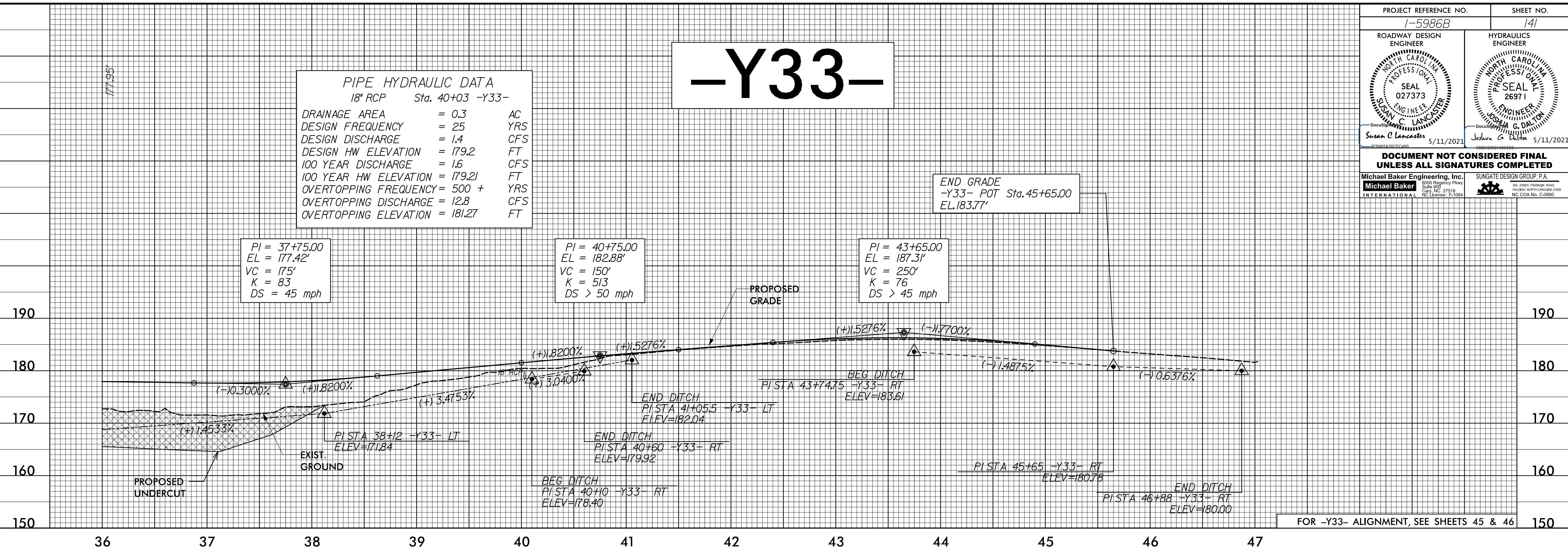


PROJECT REFERENCE NO. 1-5986B	SHEET NO. 141
ROADWAY DESIGN ENGINEER SUSAN C LANCASTER SEAL 027373 NORTH CAROLINA PROFESSIONAL ENGINEER SUSAN C LANCASTER	HYDRAULICS ENGINEER JOSHUA G DIXON SEAL 26971 NORTH CAROLINA PROFESSIONAL ENGINEER JOSHUA G DIXON
<p>5/11/2021</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	
<p>Michael Baker Engineering, Inc.</p> <p>8000 Regency Park Suite 600 Cary, NC 27518 NC License: F-10884</p>	<p>SUNGATE DESIGN GROUP, P.A.</p> <p>800 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27608 NC CDR No. C-0890</p>

-Y33-

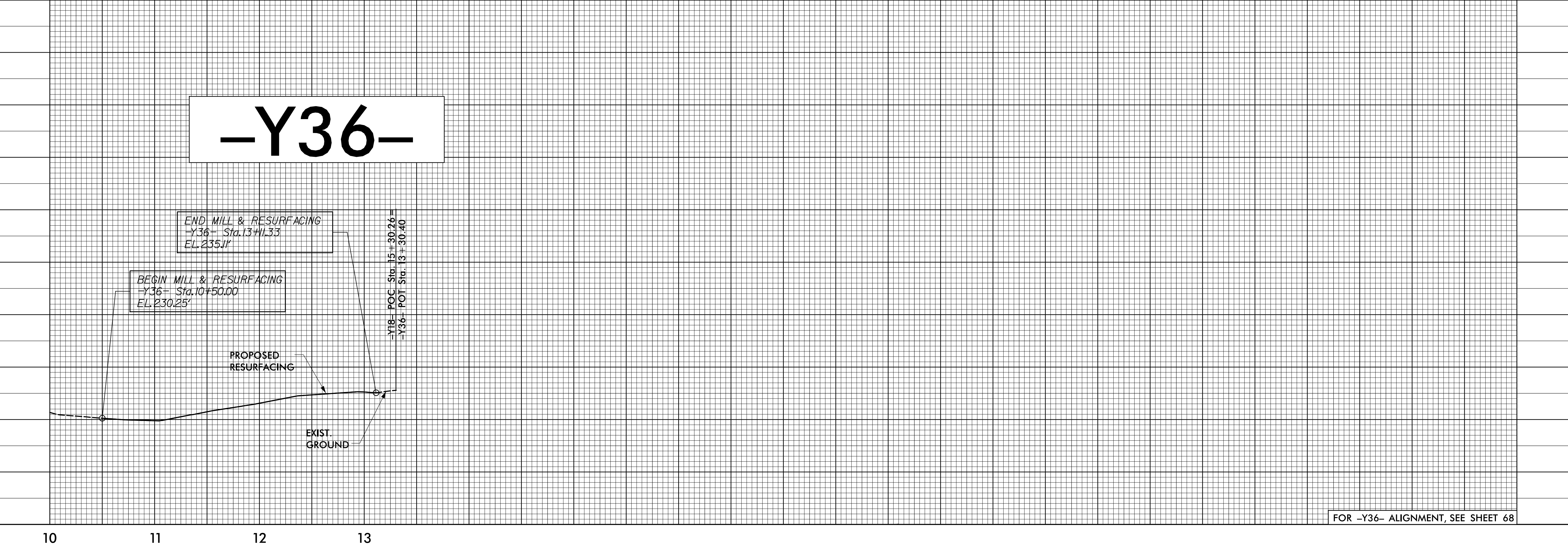
PIPE HYDRAULIC DATA
18" RCP Sta. 40+03 -Y33-

DRAINAGE AREA	= 0.3	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 1.4	CFS
DESIGN HW ELEVATION	= 179.2	FT
100 YEAR DISCHARGE	= 1.6	CFS
100 YEAR HW ELEVATION	= 179.21	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 12.8	CFS
OVERTOPPING ELEVATION	= 181.27	FT



FOR -Y33- ALIGNMENT, SEE SHEETS 45 & 46

-Y36-



FOR -Y36- ALIGNMENT, SEE SHEET 68

5/28/21

19-MAR-2021 10:10 AM I:\5986B-Rdy-pfl-4-Sheets-Y.dgn