

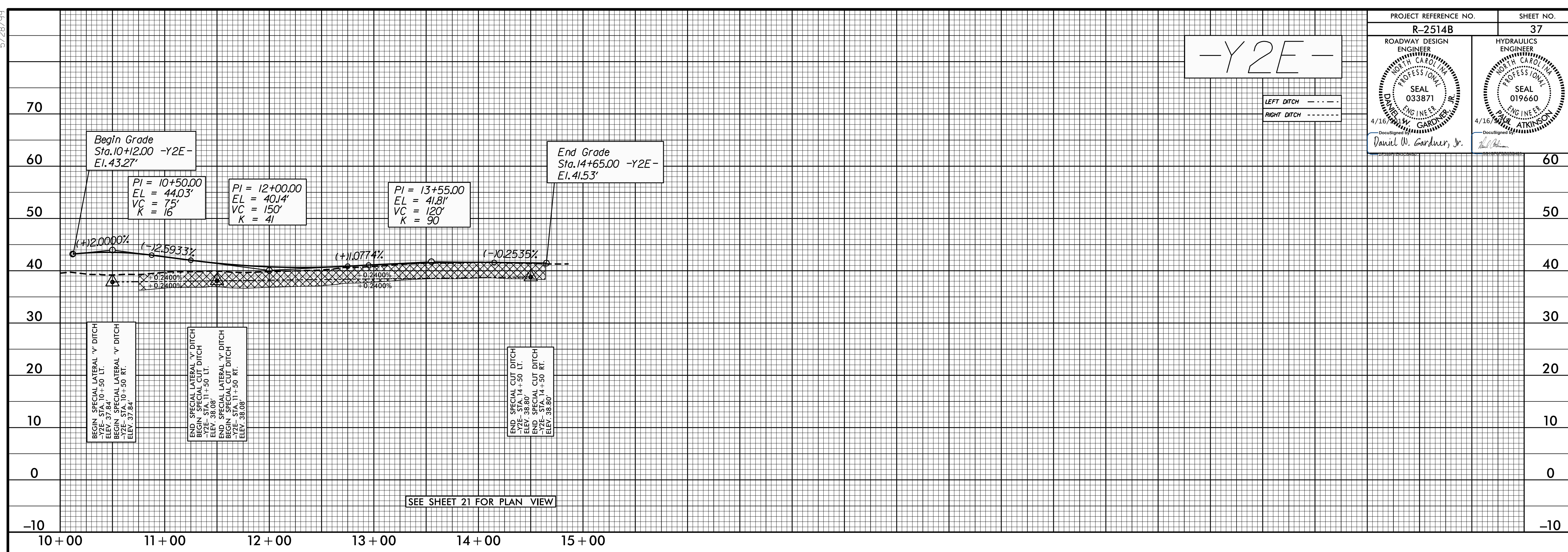
5/28/99

PROJECT REFERENCE NO. <b>R-2514B</b>	SHEET NO. <b>37</b>
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 033871 4/16/2015 DANIEL W. GARDNER, JR.	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 019660 4/16/2015 PAUL ATKINSON

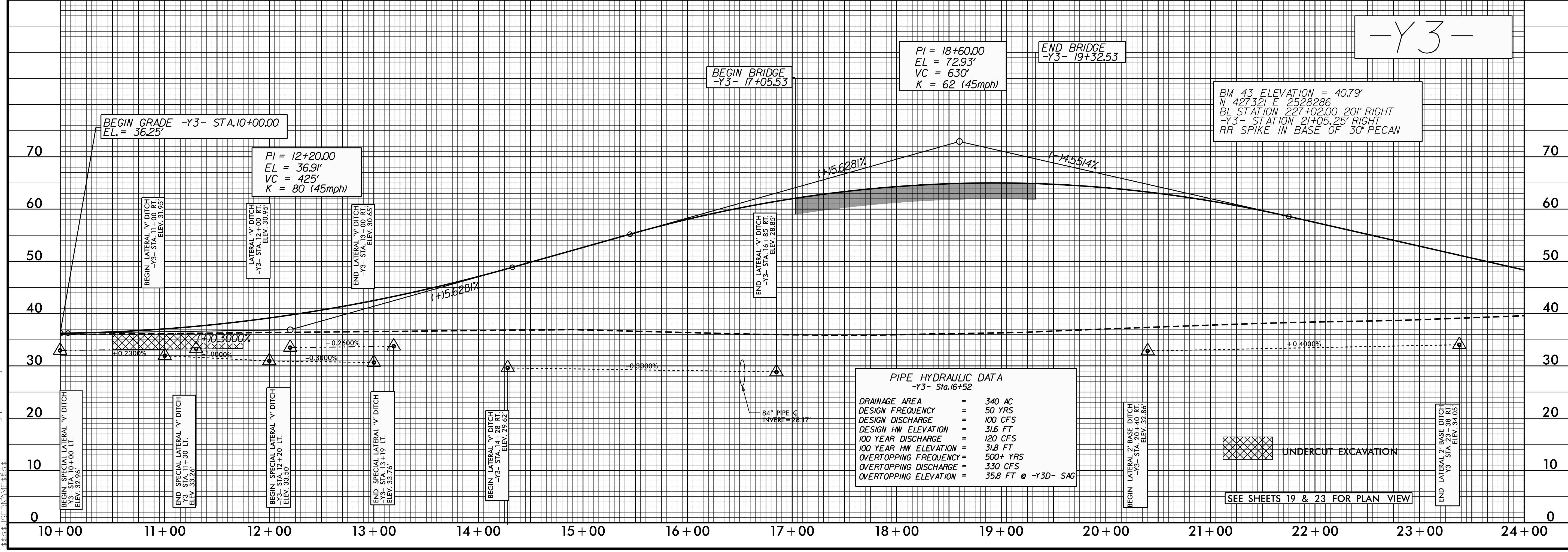
-Y2E-

LEFT DITCH - - - - -

RIGHT DITCH - - - - -



-Y3-



**PIPE HYDRAULIC DATA**  
-Y3- Sta. 16+52

DRAINAGE AREA	=	340 AC
DESIGN FREQUENCY	=	50 YRS
DESIGN DISCHARGE	=	100 CFS
DESIGN HW ELEVATION	=	316 FT
100 YEAR DISCHARGE	=	120 CFS
100 YEAR HW ELEVATION	=	318 FT
OVERTOPPING FREQUENCY	=	500+ YRS
OVERTOPPING DISCHARGE	=	330 CFS
OVERTOPPING ELEVATION	=	358 FT @ -Y3D- SAG

UNDERCUT EXCAVATION

SEE SHEETS 19 & 23 FOR PLAN VIEW

16-APR-2015 09:12 192514B\_rdu.plt 1:37.dgn