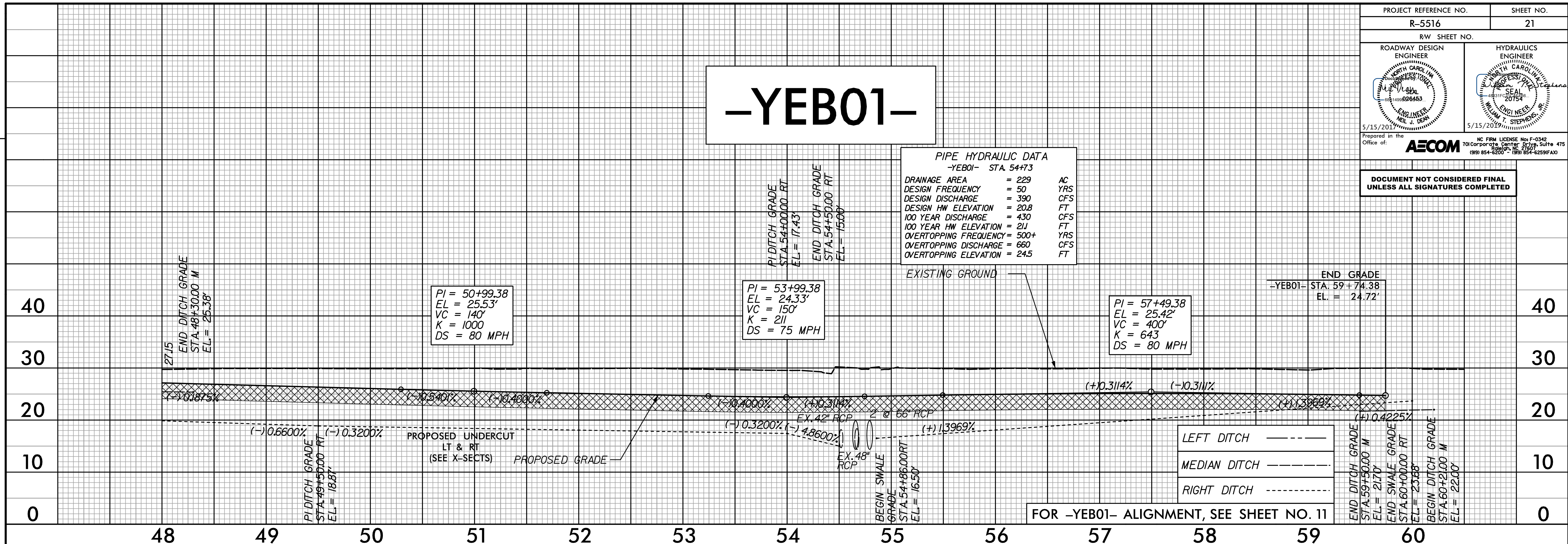


PROJECT REFERENCE NO. R-5516	SHEET NO. 21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
Prepared in the Office of: AECOM 701 Corporate Center Drive, Suite 415 Raleigh, NC 27607 (919) 854-6200 • (919) 854-6259(FAX)	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-YEB01-

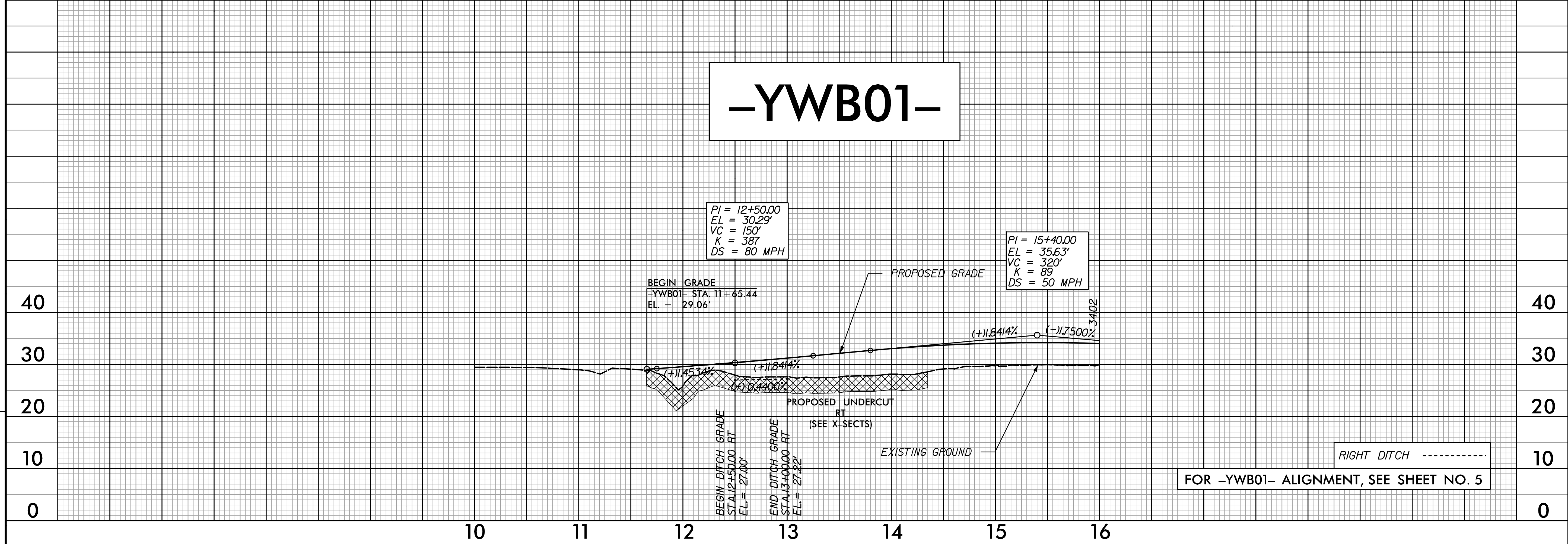
PIPE HYDRAULIC DATA
-YEB01- STA. 54+73

DRAINAGE AREA	= 229	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 390	CFS
DESIGN HW ELEVATION	= 20.8	FT
100 YEAR DISCHARGE	= 430	CFS
100 YEAR HW ELEVATION	= 21.1	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 660	CFS
OVERTOPPING ELEVATION	= 24.5	FT



-YWB01-

PI = 15+40.00
EL = 35.63'
VC = 320'
K = 89
DS = 50 MPH



REVISIONS

DN: R:\Roadway\Proj\5516\01\11\21.dgn
DATE/TIME: 11/26/10 AM