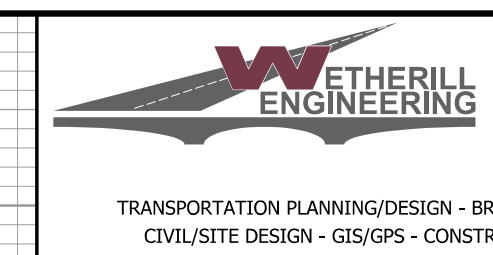


5/28/99



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

PROJECT REFERENCE NO. R-4705	SHEET NO. 56
ROADWAY DESIGN ENGINEER 4/7/2022	HYDRAULICS ENGINEER 4/7/2022
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

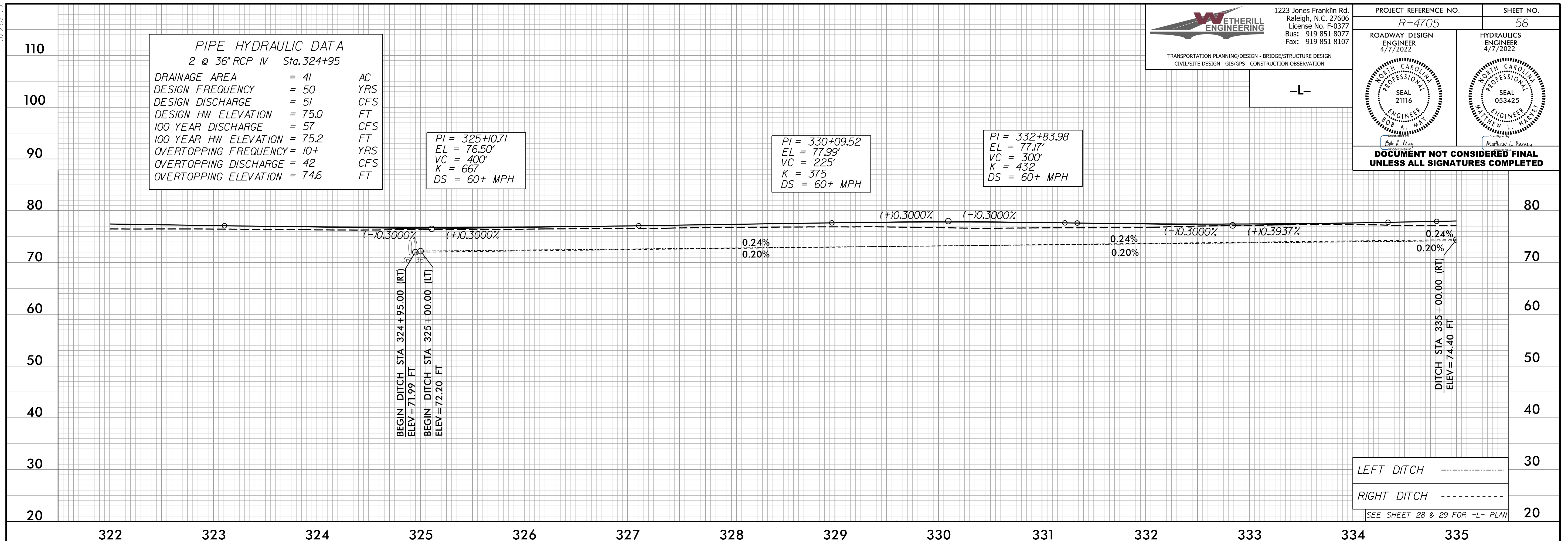
PIPE HYDRAULIC DATA
2 @ 36" RCP IV Sta. 324+95

DRAINAGE AREA	= 41	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 51	CFS
DESIGN HW ELEVATION	= 75.0	FT
100 YEAR DISCHARGE	= 57	CFS
100 YEAR HW ELEVATION	= 75.2	FT
OVERTOPPING FREQUENCY	= 10+	YRS
OVERTOPPING DISCHARGE	= 42	CFS
OVERTOPPING ELEVATION	= 74.6	FT

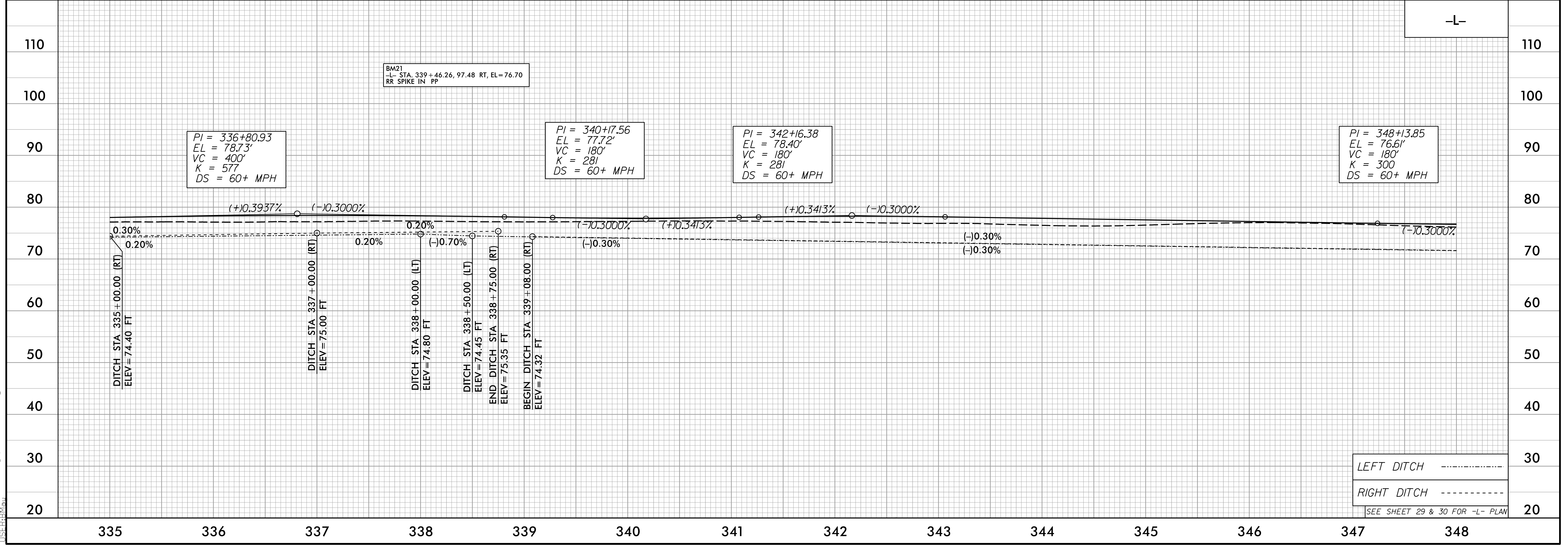
PI = 325+10.71
EL = 76.50'
VC = 400'
K = 667
DS = 60+ MPH

PI = 330+09.52
EL = 77.99'
VC = 225'
K = 375
DS = 60+ MPH

PI = 332+83.98
EL = 77.17'
VC = 300'
K = 432
DS = 60+ MPH



LEFT DITCH -----
RIGHT DITCH -----
SEE SHEET 28 & 29 FOR -L- PLAN



LEFT DITCH -----
RIGHT DITCH -----
SEE SHEET 29 & 30 FOR -L- PLAN

3/17/2022 R4705_Rdy_psh_56_PFL.dgn
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