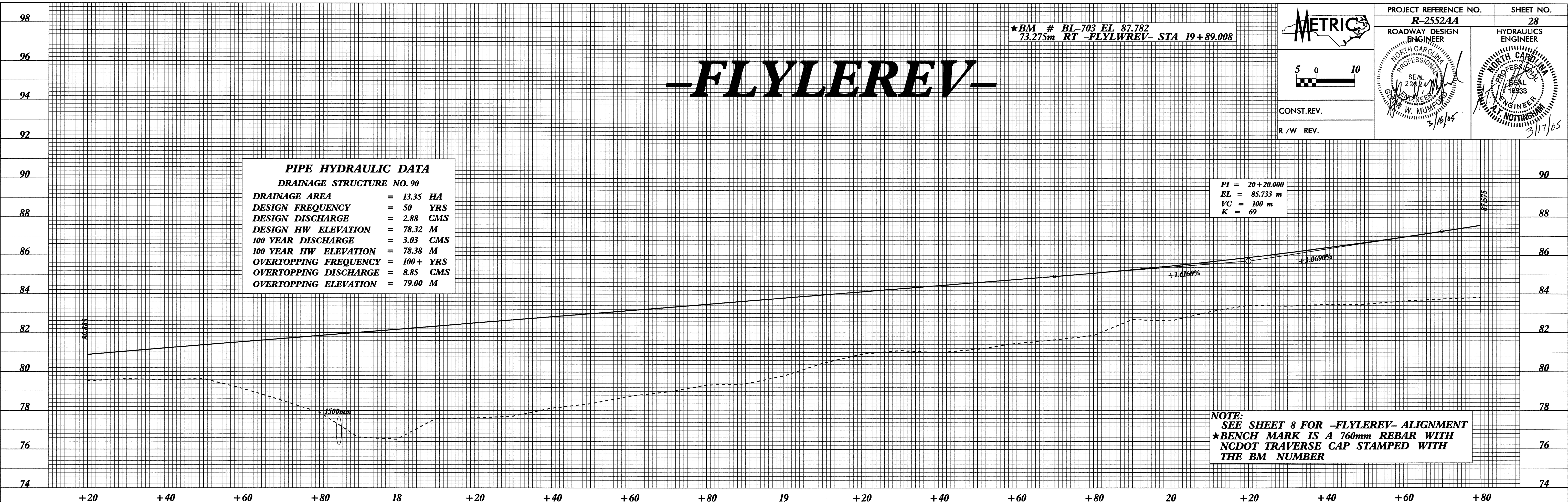


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**PIPE HYDRAULIC DATA**  
DRAINAGE STRUCTURE NO. 90

DRAINAGE AREA	= 13.35 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 2.88 CMS
DESIGN HW ELEVATION	= 78.32 M
100 YEAR DISCHARGE	= 3.03 CMS
100 YEAR HW ELEVATION	= 78.38 M
OVERTOPPING FREQUENCY	= 100+ YRS
OVERTOPPING DISCHARGE	= 8.85 CMS
OVERTOPPING ELEVATION	= 79.00 M

PI = 20+20.000  
EL = 85.733 m  
VC = 100 m  
K = 69

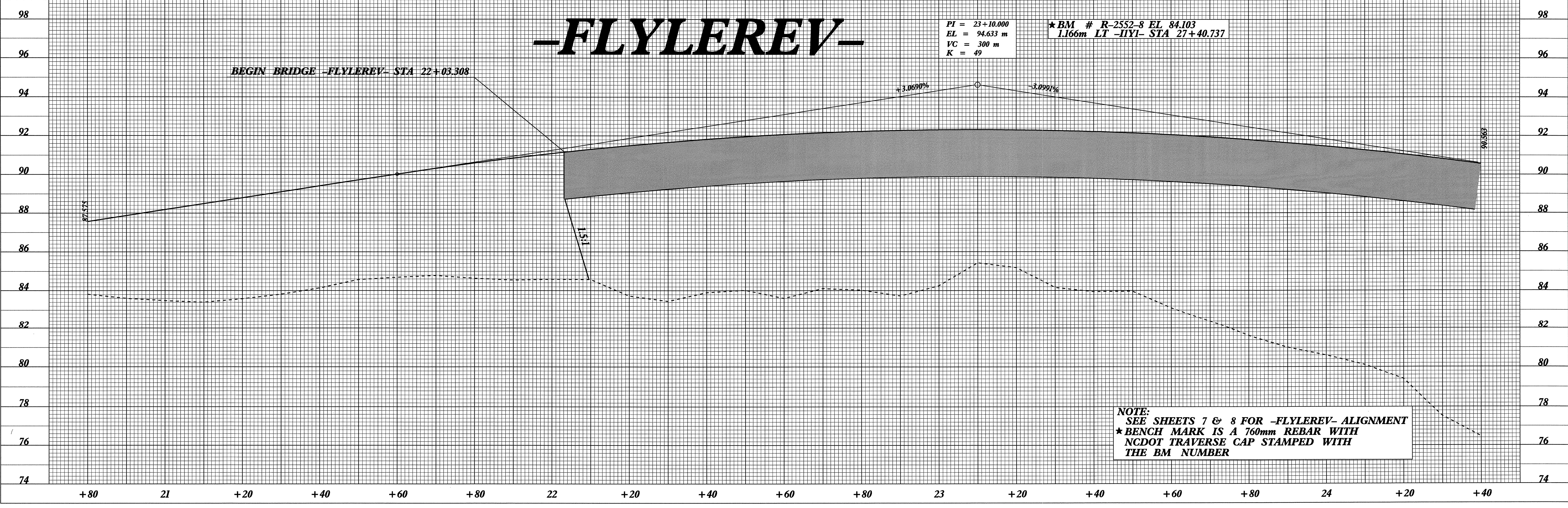
NOTE:  
SEE SHEET 8 FOR -FLYLEREV- ALIGNMENT  
★BENCH MARK IS A 760mm REBAR WITH  
NCDOT TRAVERSE CAP STAMPED WITH  
THE BM NUMBER

★BM # BL-703 EL 87.782  
73.275m RT -FLYLWREV- STA 19+89.008

**METRIC**

CONST. REV.  
R / W REV.

PROJECT REFERENCE NO.	R-2552AA	SHEET NO.	28
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
SEAL 22824		SEAL 18933	
W. MUMFORD		T. NOTTINGHAM	
3/16/05		3/17/05	



PI = 23+10.000  
EL = 94.633 m  
VC = 300 m  
K = 49

★BM # R-2552-8 EL 84.103  
1.166m LT -IIV1- STA 27+40.737

NOTE:  
SEE SHEETS 7 & 8 FOR -FLYLEREV- ALIGNMENT  
★BENCH MARK IS A 760mm REBAR WITH  
NCDOT TRAVERSE CAP STAMPED WITH  
THE BM NUMBER

# -FLYLEREV-

BEGIN BRIDGE -FLYLEREV- STA 22+03.308