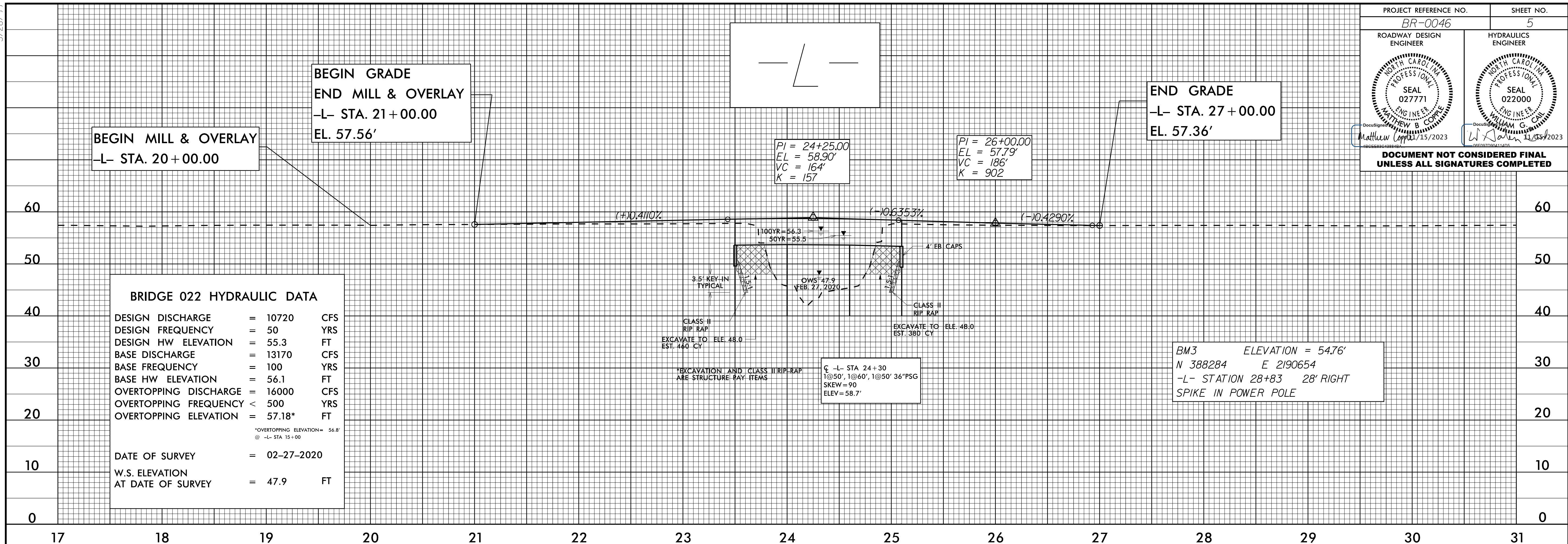


5/28/99

PROJECT REFERENCE NO. BR-0046	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

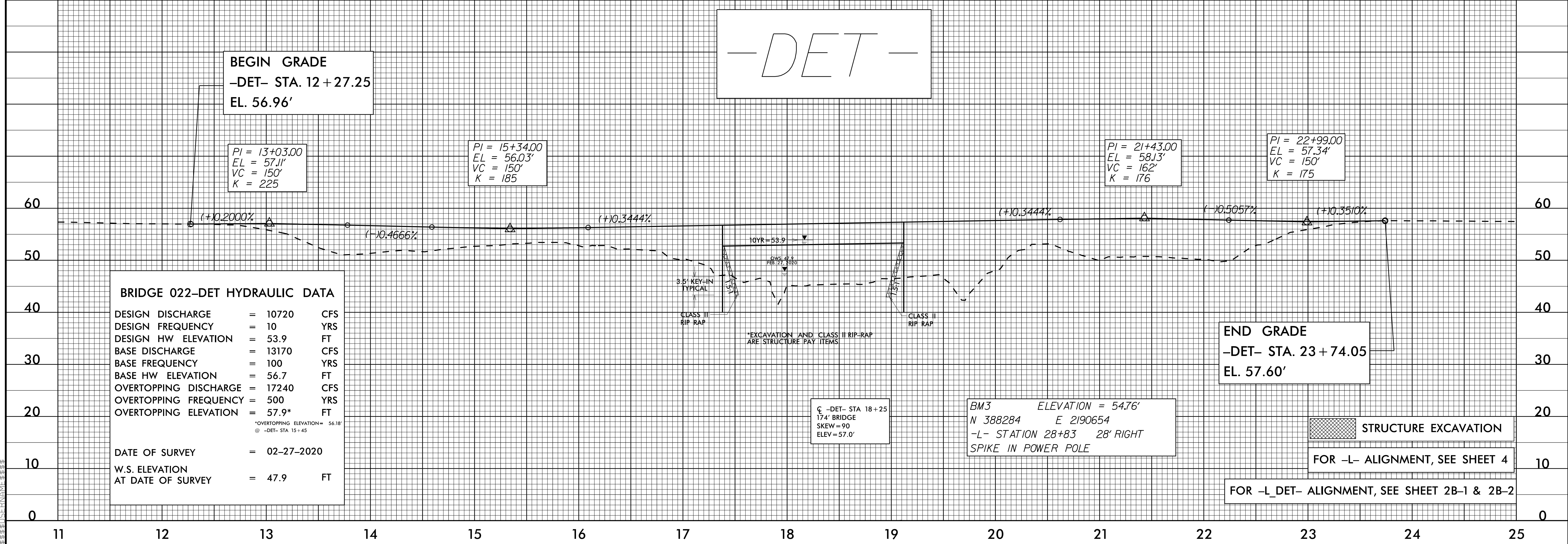


**BRIDGE 022 HYDRAULIC DATA**

DESIGN DISCHARGE	= 10720	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 55.3	FT
BASE DISCHARGE	= 13170	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 56.1	FT
OVERTOPPING DISCHARGE	= 16000	CFS
OVERTOPPING FREQUENCY	< 500	YRS
OVERTOPPING ELEVATION	= 57.18*	FT
*OVERTOPPING ELEVATION = 56.8' @ -L- STA 15+00		
DATE OF SURVEY	= 02-27-2020	
W.S. ELEVATION AT DATE OF SURVEY	= 47.9	FT

BM3 ELEVATION = 54.76'  
N 388284 E 2190654  
-L- STATION 28+83 28' RIGHT  
SPIKE IN POWER POLE

-DET-



**BRIDGE 022-DET HYDRAULIC DATA**

DESIGN DISCHARGE	= 10720	CFS
DESIGN FREQUENCY	= 10	YRS
DESIGN HW ELEVATION	= 53.9	FT
BASE DISCHARGE	= 13170	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 56.7	FT
OVERTOPPING DISCHARGE	= 17240	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 57.9*	FT
*OVERTOPPING ELEVATION = 56.18' @ -DET- STA 15+45		
DATE OF SURVEY	= 02-27-2020	
W.S. ELEVATION AT DATE OF SURVEY	= 47.9	FT

END GRADE  
-DET- STA. 23+74.05  
EL. 57.60'

BM3 ELEVATION = 54.76'  
N 388284 E 2190654  
-L- STATION 28+83 28' RIGHT  
SPIKE IN POWER POLE

STRUCTURE EXCAVATION  
FOR -L- ALIGNMENT, SEE SHEET 4  
FOR -L\_DET- ALIGNMENT, SEE SHEET 2B-1 & 2B-2

12-SEP-2023 15:30 BR0046\_Rdy\_PFL05.dgn  
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