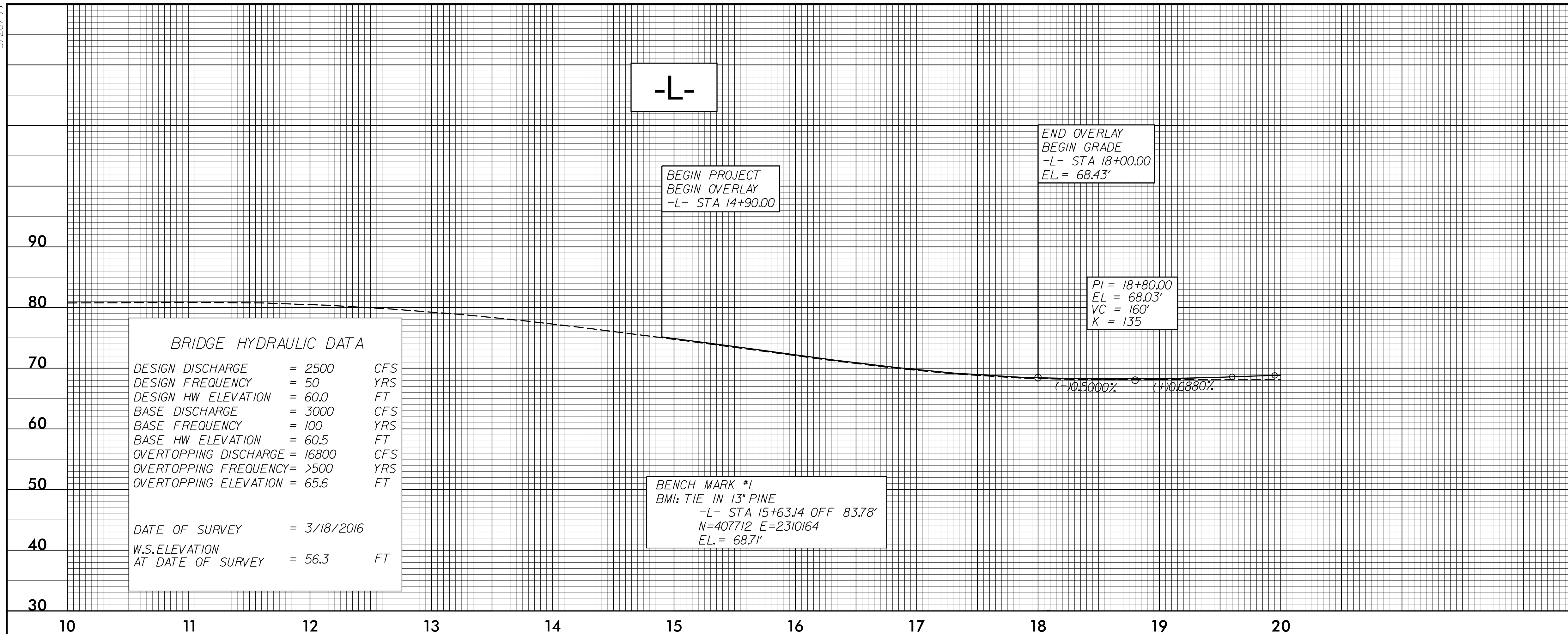


5/28/19

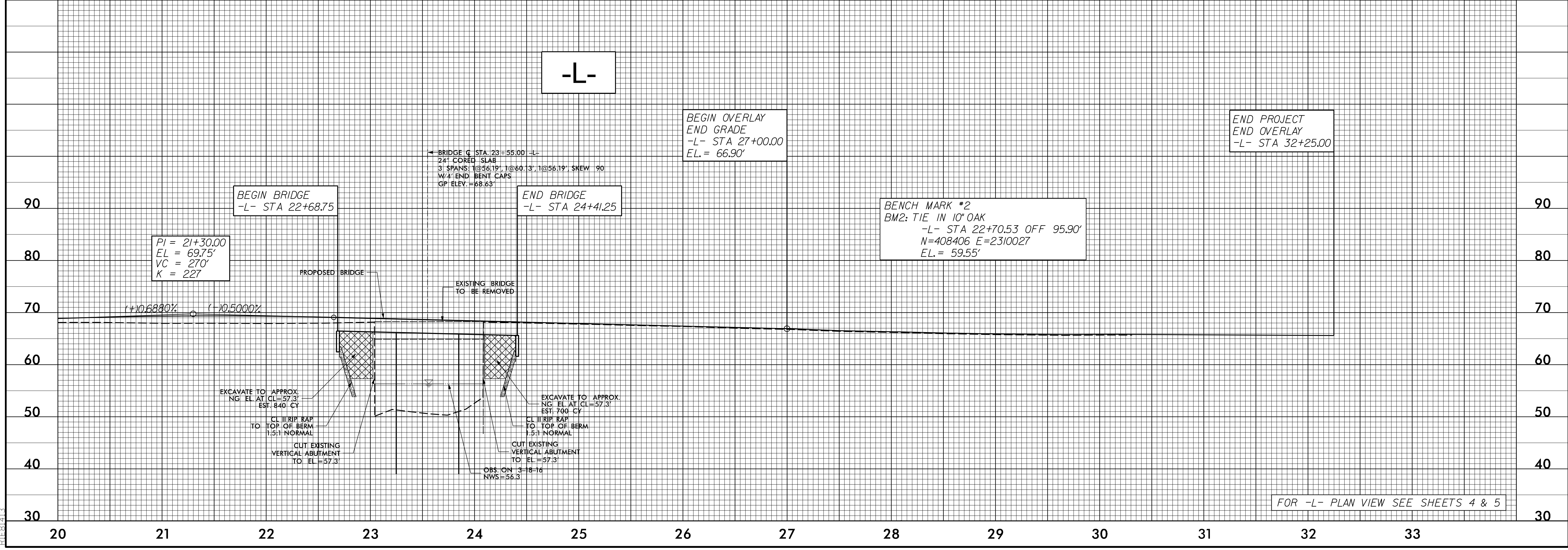
PROJECT REFERENCE NO. <i>B-5639</i>	SHEET NO. <i>6</i>
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E, LLC SEAL 27391 3/25/2016	HYDRAULICS ENGINEER MOTT MACDONALD & E, LLC SEAL 26971 3/25/2016
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD & E, LLC PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas	
SUNGATE DESIGN GROUP, P.A. 805 JONES FRANKLIN ROAD RALEIGH NORTH CAROLINA 27609 TEL (919) 855-2443 FAX (919) 855-2443 ENG. FIRM LICENSE NO. C-889	



BRIDGE HYDRAULIC DATA

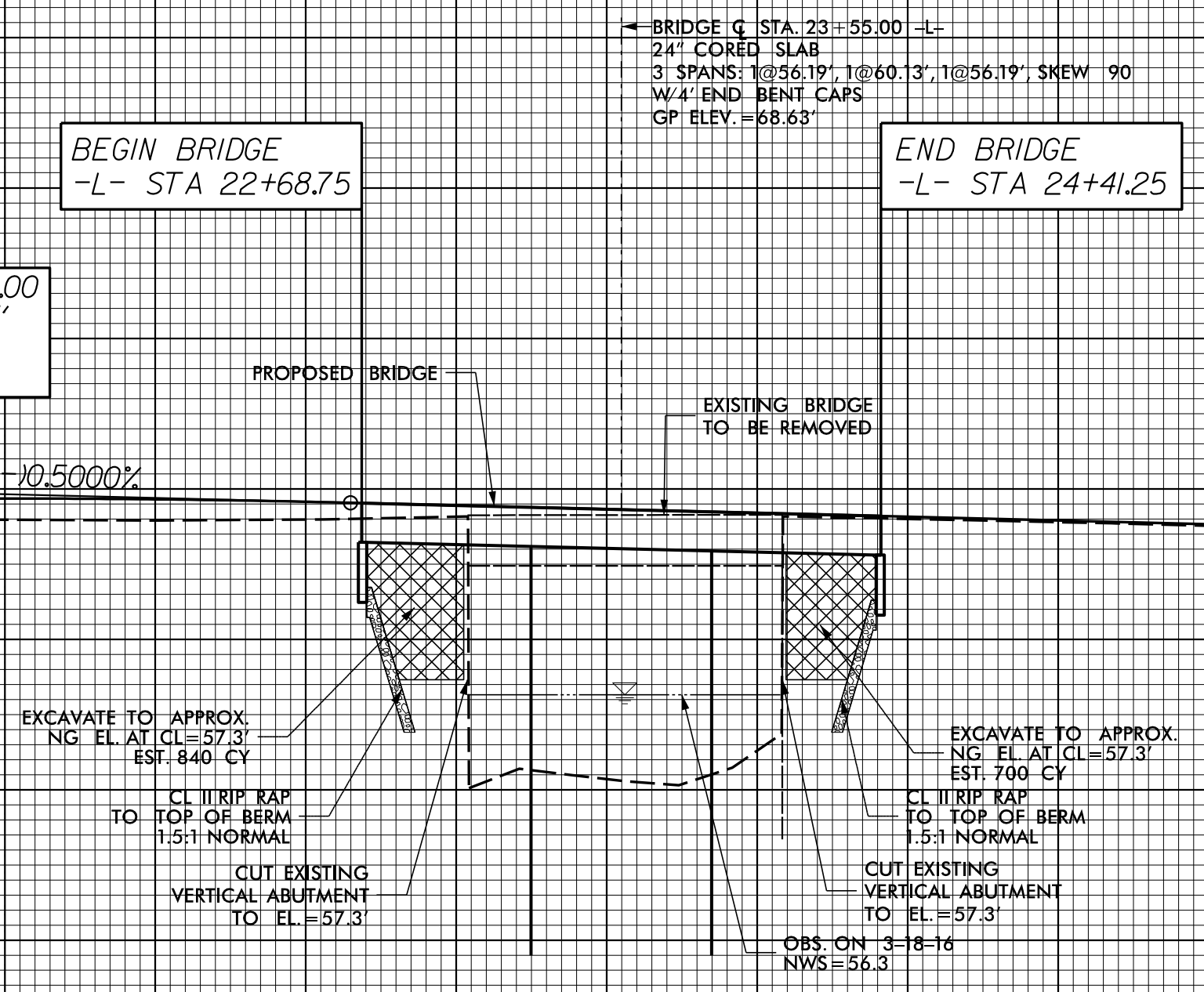
DESIGN DISCHARGE	= 2500	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 60.0	FT
BASE DISCHARGE	= 3000	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 60.5	FT
OVERTOPPING DISCHARGE	= 16800	CFS
OVERTOPPING FREQUENCY	= >500	YRS
OVERTOPPING ELEVATION	= 65.6	FT
DATE OF SURVEY	= 3/18/2016	
W.S. ELEVATION AT DATE OF SURVEY	= 56.3	FT

BENCH MARK #1
BMI: TIE IN 13" PINE
-L- STA 15+63.14 OFF 83.78'
N=407712 E=2310164
EL. = 68.71'



PI = 21+30.00
EL = 69.75'
VC = 270'
K = 227

BENCH MARK #2
BM2: TIE IN 10" OAK
-L- STA 22+70.53 OFF 95.90'
N=408406 E=2310027
EL. = 59.55'



FOR -L- PLAN VIEW SEE SHEETS 4 & 5

P:\0128
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 5/28/19