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PROJECT REFERENCE NO.	SHEET NO.
B-5639	2B-3

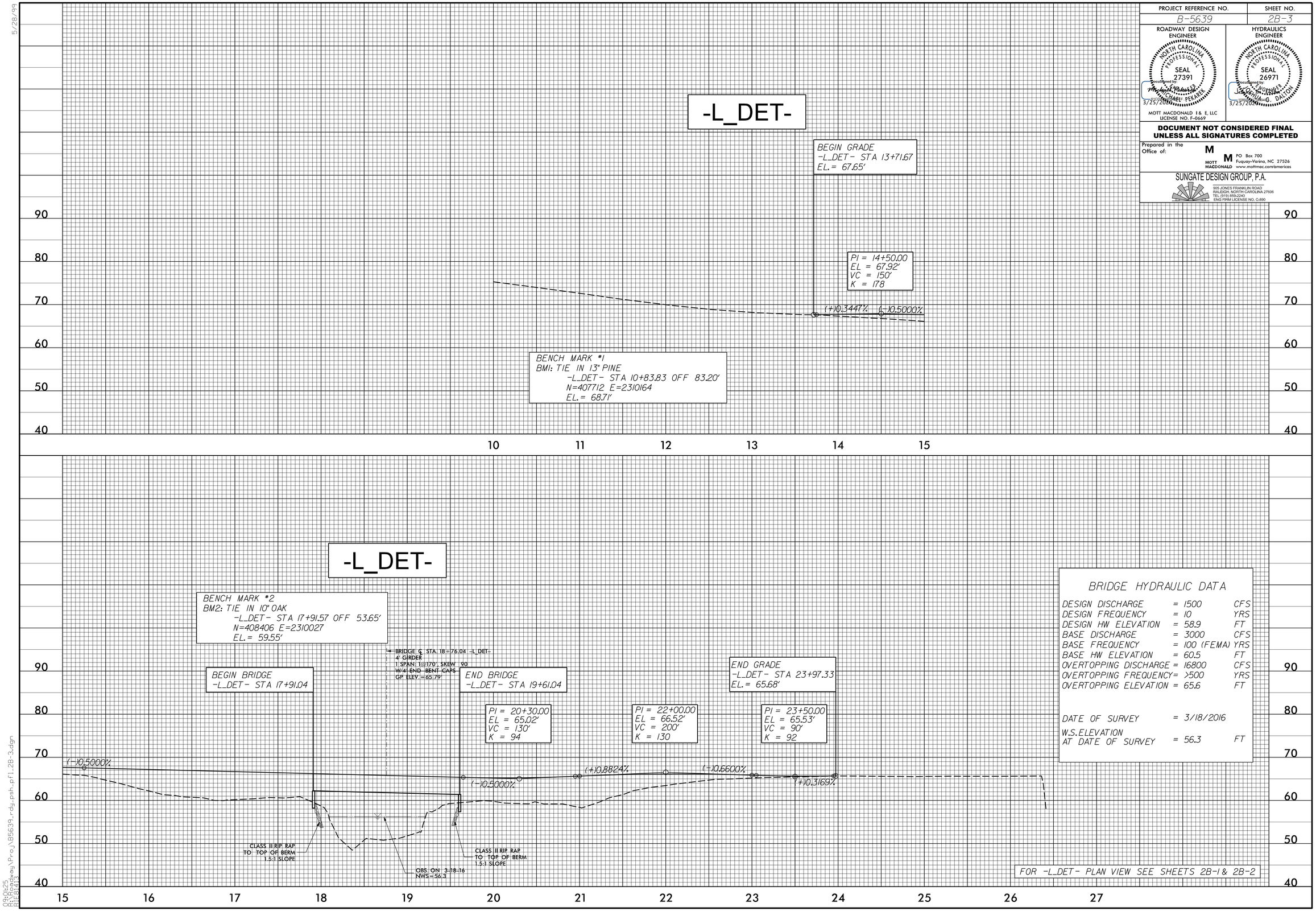
ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 27391 ENGINEER MICHAEL PEKAREK
3/25/2020
MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER JOSHUA G. DALTON
3/25/2020

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:
MOTT MACDONALD
PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com/americas

SUNGATE DESIGN GROUP, P.A.
905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243
ENG FIRM LICENSE NO. C-890



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1500	CFS
DESIGN FREQUENCY	= 10	YRS
DESIGN HW ELEVATION	= 58.9	FT
BASE DISCHARGE	= 3000	CFS
BASE FREQUENCY	= 100 (FEMA)	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

FOR -L_DET- PLAN VIEW SEE SHEETS 2B-1 & 2B-2

5/28/99

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