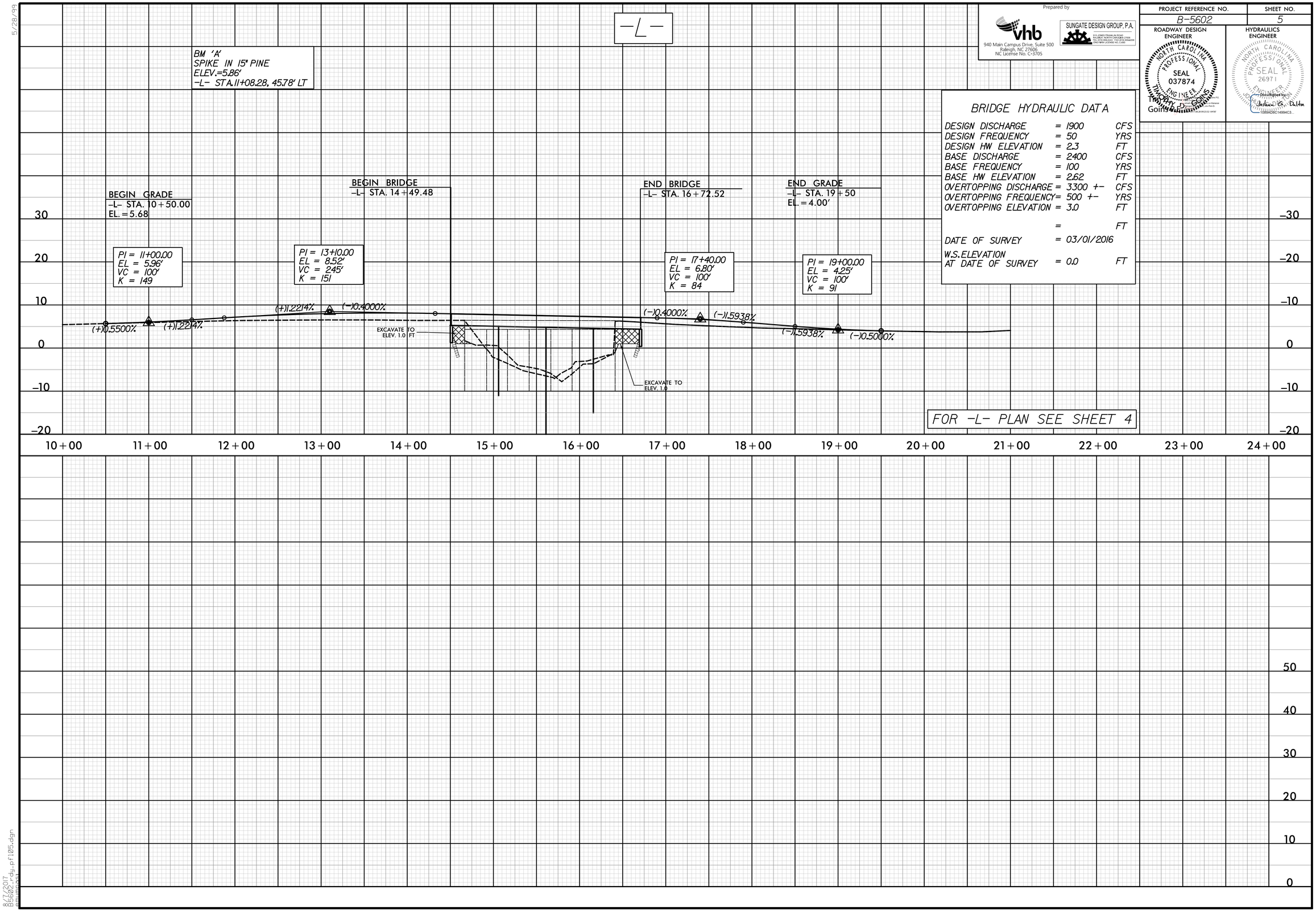
DocuSign Envelope ID: F68A82E8-7564-4FEE-9C4C-720780E597E6

5/28/99



FOR -L- PLAN SEE SHEET 4

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1900	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 2.3	FT
BASE DISCHARGE	= 2400	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2.62	FT
OVERTOPPING DISCHARGE	= 3300 +-	CFS
OVERTOPPING FREQUENCY	= 500 +-	YRS
OVERTOPPING ELEVATION	= 3.0	FT
	=	FT
DATE OF SURVEY	= 03/01/2016	
W.S.ELEVATION AT DATE OF SURVEY	= 0.0	FT

Prepared by
vhb
940 Main Campus Drive, Suite 500
Raleigh, NC 27606
NC License No. C-3705

SUNGATE DESIGN GROUP, P.A.
915 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243 FAX (919) 859-2318
PBC FIRM LICENSE NO. C-265

PROJECT REFERENCE NO.	SHEET NO.
B-5602	5

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 037874 ENGINEER TIMOTHY D. GOINS
Timothy D. Goins, P.E.
Digitally signed by Timothy D. Goins, P.E.
DN: cn=Timothy D. Goins, P.E., o=Sungate Design Group, ou=Roadway, email=tgoins@sgdpa.com, c=US
2017.08.28 09:23:32 -04'00'

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER
DocuSigned by:
Andrew D. Dalton
1D6BA0BC14994C3...

8/7/2017
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