DocuSign Envelope ID: 77D51FC1-7541-4375-B009-A88CAC69EFCB

WSP USA
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
TEL: 1.919.836.4040
FAX: 1.919.836.4099
LICENSE NO. F-0165

HORIZONTAL 0 20 40

VERTICAL 0 4 8

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.112	5

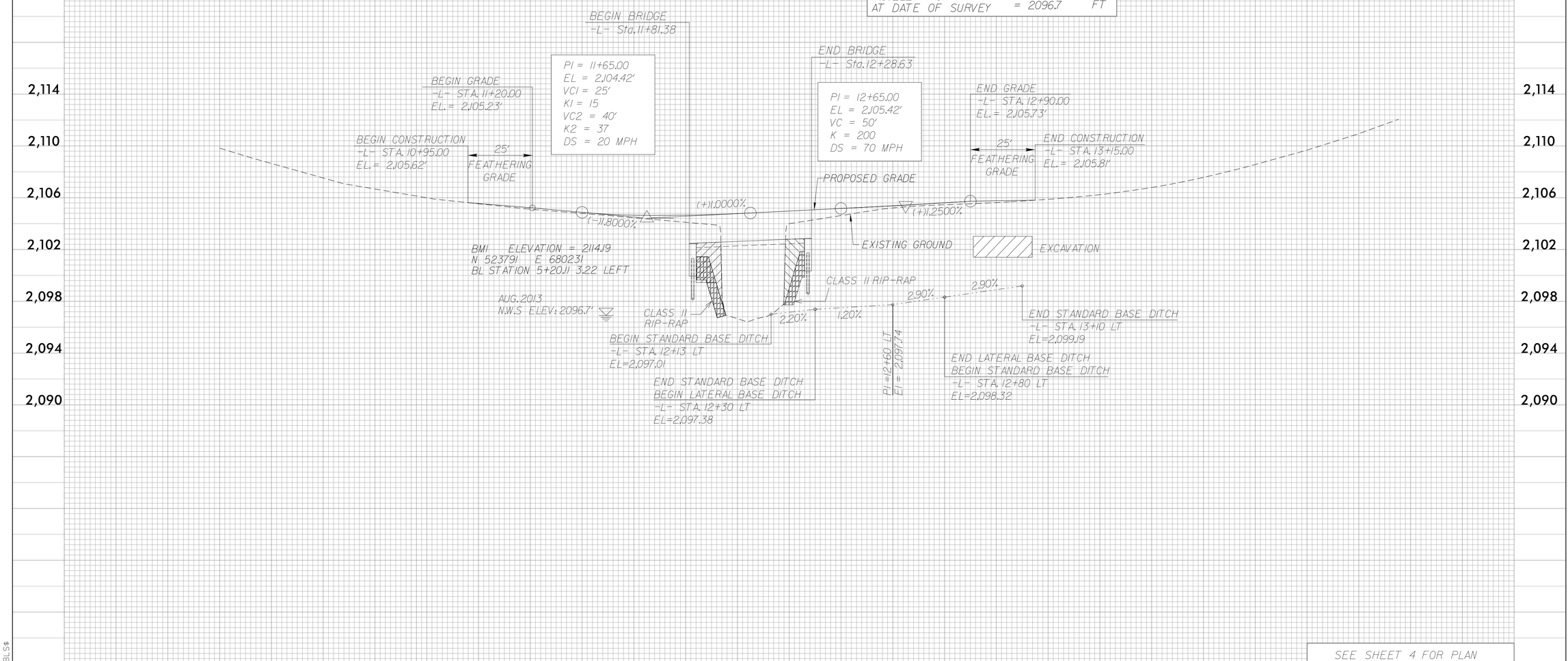
ROADWAY DESIGN ENGINEER
1/26/2021
NORTH CAROLINA PROFESSIONAL SEAL 020107 ENGINEER DAVID W. BASS
DocuSign: David W. Bass
57110021D4B8452...

HYDRAULICS ENGINEER
1/26/2021
NORTH CAROLINA PROFESSIONAL SEAL 032312 ENGINEER CHARLES W. HEARNER
DocuSign: Charles Hearner
56932E85C450464...

-L-

HYDRAULIC DATA

DESIGN DISCHARGE	=	700	CFS
DESIGN FREQUENCY	=	25	YRS
DESIGN HW ELEVATION	=	2102.8	FT
BASE DISCHARGE	=	1000	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	2103.17	FT
OVERTOPPING DISCHARGE	=	1460	CFS
OVERTOPPING FREQUENCY	=	500+	YRS
OVERTOPPING ELEVATION	=	2104.9	FT
DATE OF SURVEY	=	AUGUST 2013	
W.S. ELEVATION AT DATE OF SURVEY	=	2096.7	FT



SEE SHEET 4 FOR PLAN

1/26/2021 11:02:18 AM
$FILEL$
$PENTBL$