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5/28/99

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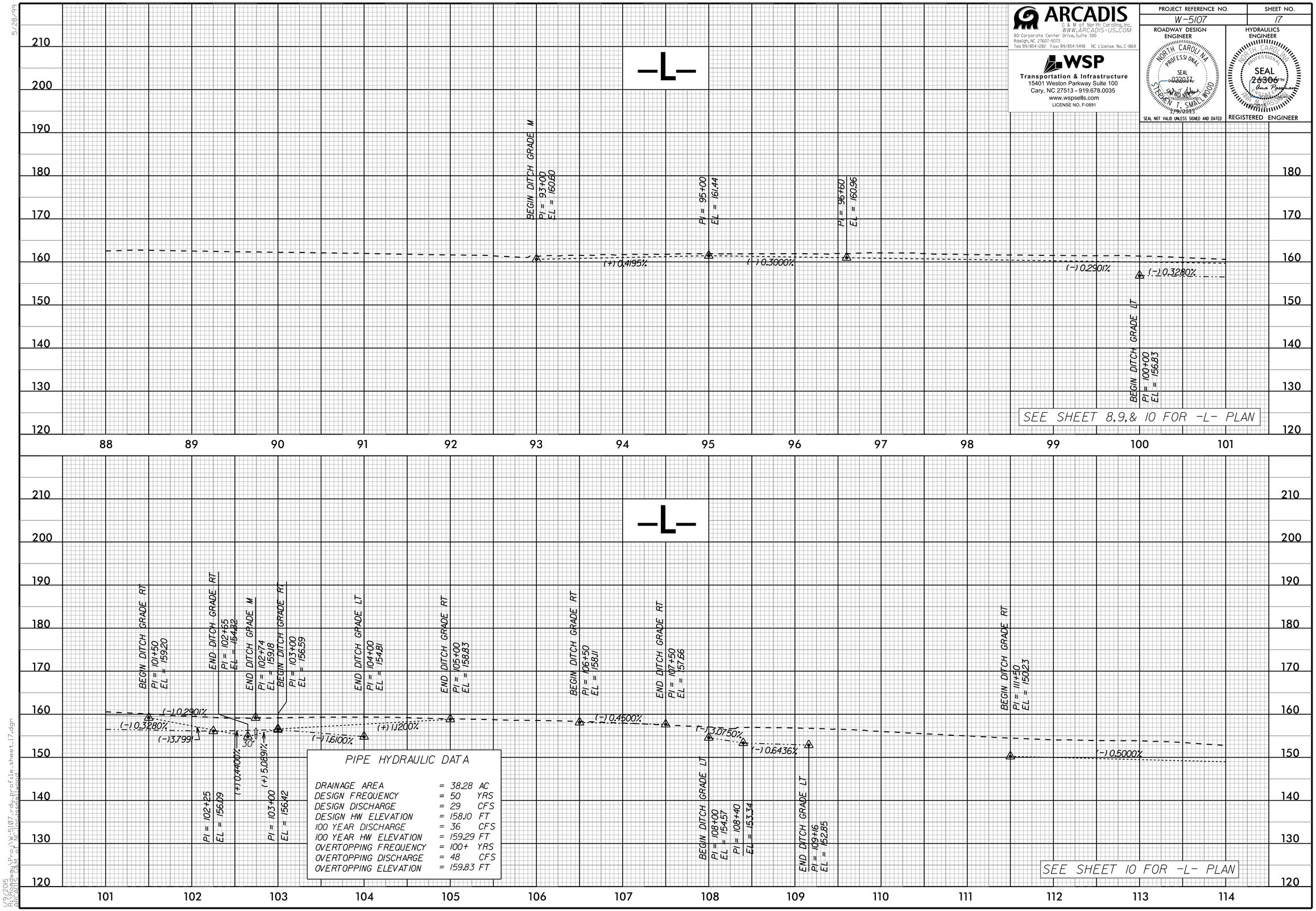
C & M of North Carolina, Inc.
WWW.ARCADIS-US.COM
801 Corporate Center Drive, Suite 300
Raleigh, NC 27607-5073
Tel: 919/854-1282 Fax: 919/854-5448 NC License No. C-1869

WSP
Transportation & Infrastructure
15401 Weston Parkway Suite 100
Cary, NC 27513 - 919.678.0035
www.wspsells.com
LICENSE NO. F-0891

PROJECT REFERENCE NO.	SHEET NO.
W-5107	17

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 022037 ENGINEER STEPHEN T. SMALLWOOD
SEAL NOT VALID UNLESS SIGNED AND DATED

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26306 ENGINEER Ana Passmore
REGISTERED ENGINEER



PIPE HYDRAULIC DATA

DRAINAGE AREA	=	38.28	AC
DESIGN FREQUENCY	=	50	YRS
DESIGN DISCHARGE	=	29	CFS
DESIGN HW ELEVATION	=	158.10	FT
100 YEAR DISCHARGE	=	36	CFS
100 YEAR HW ELEVATION	=	159.29	FT
OVERTOPPING FREQUENCY	=	100+	YRS
OVERTOPPING DISCHARGE	=	48	CFS
OVERTOPPING ELEVATION	=	159.83	FT

6/9/2015
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ARCADIS-C&M of NC, Inc.-smallwood