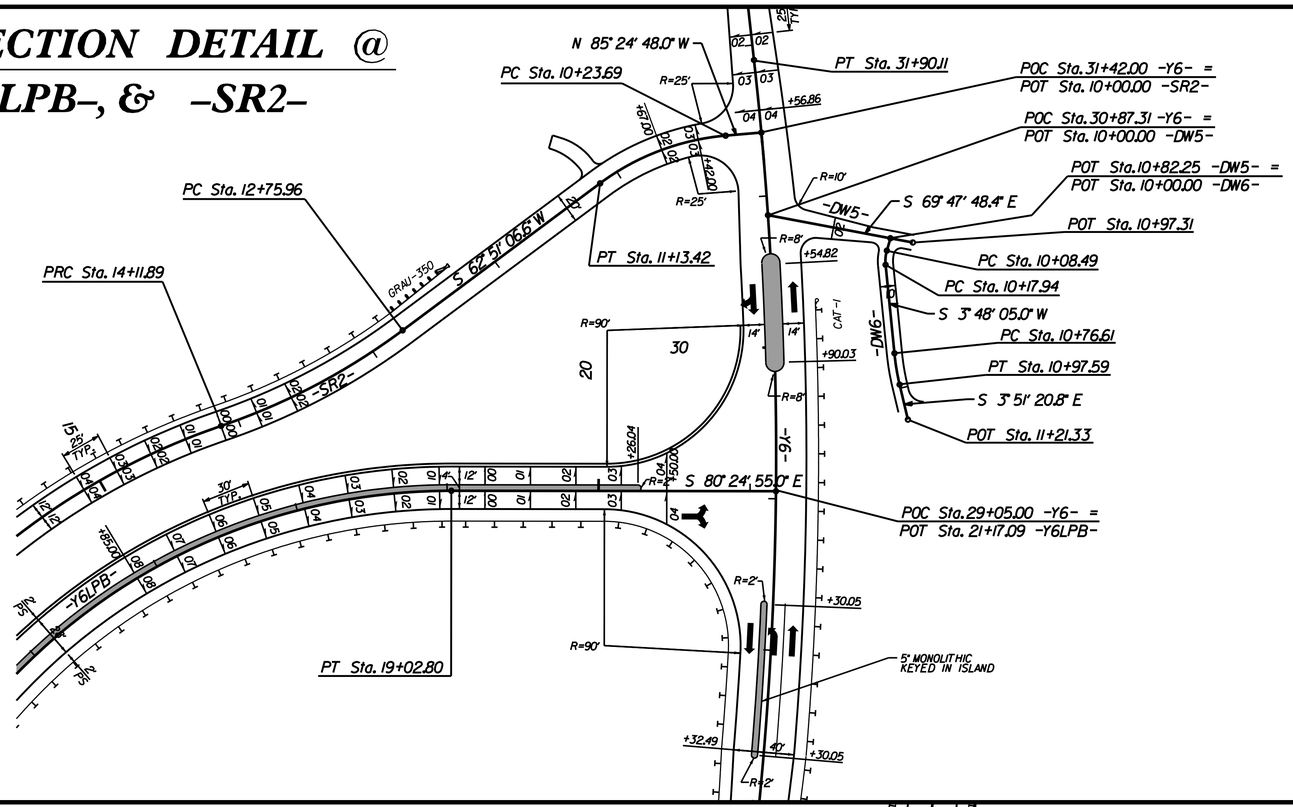
DocuSign Envelope ID: 81AF1006-45A5-46F2-B991-E6AC7193E5C1

PROJECT REFERENCE NO.	SHEET NO.
W-5107	2B-4

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

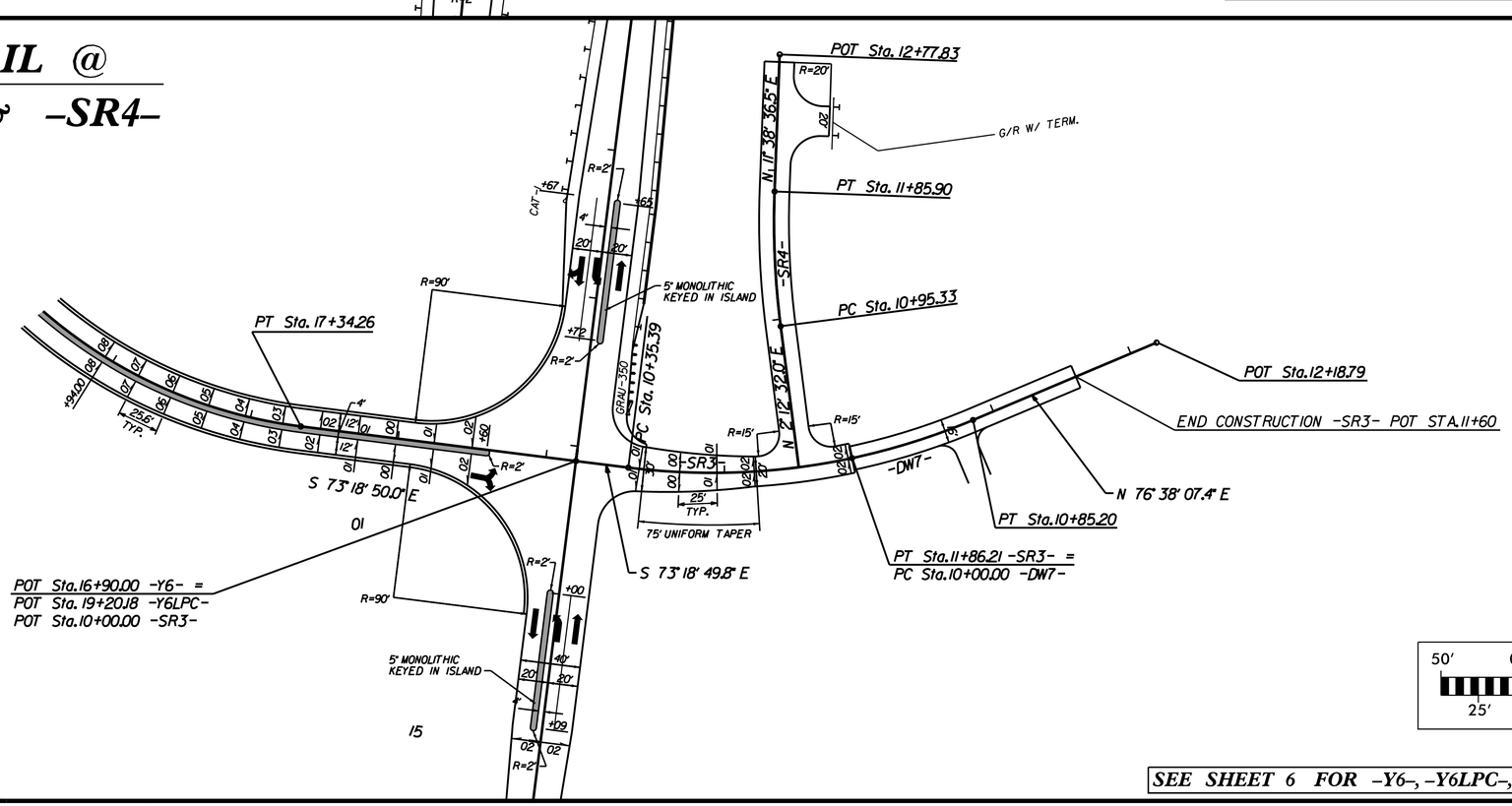
ARCADIS
C & W of North Carolina, Inc.
WWW.ARCADIS-US.COM
801 Corporate Center Drive, Suite 300
Raleigh, NC 27607-5073
Tel: 919/854-1282 Fax: 919/854-5448 NC License No. C-1869

INTERSECTION DETAIL @ –Y6–, –Y6LPB–, & –SR2–



SEE SHEET 6 FOR –Y6–, –Y1LPB–, & –SR2–

INTERSECTION DETAIL @ –Y6–, –Y6LPC–, –SR3– & –SR4–



SEE SHEET 6 FOR –Y6–, –Y6LPC–, –SR3–, & –SR4–

5/14/99
11/24/2014
R:\Roadway\Proj\5107_rdy_intersection_details.dgn
ADOTSTAFF, CPS\NUCSERV1\WORK

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5/28/99

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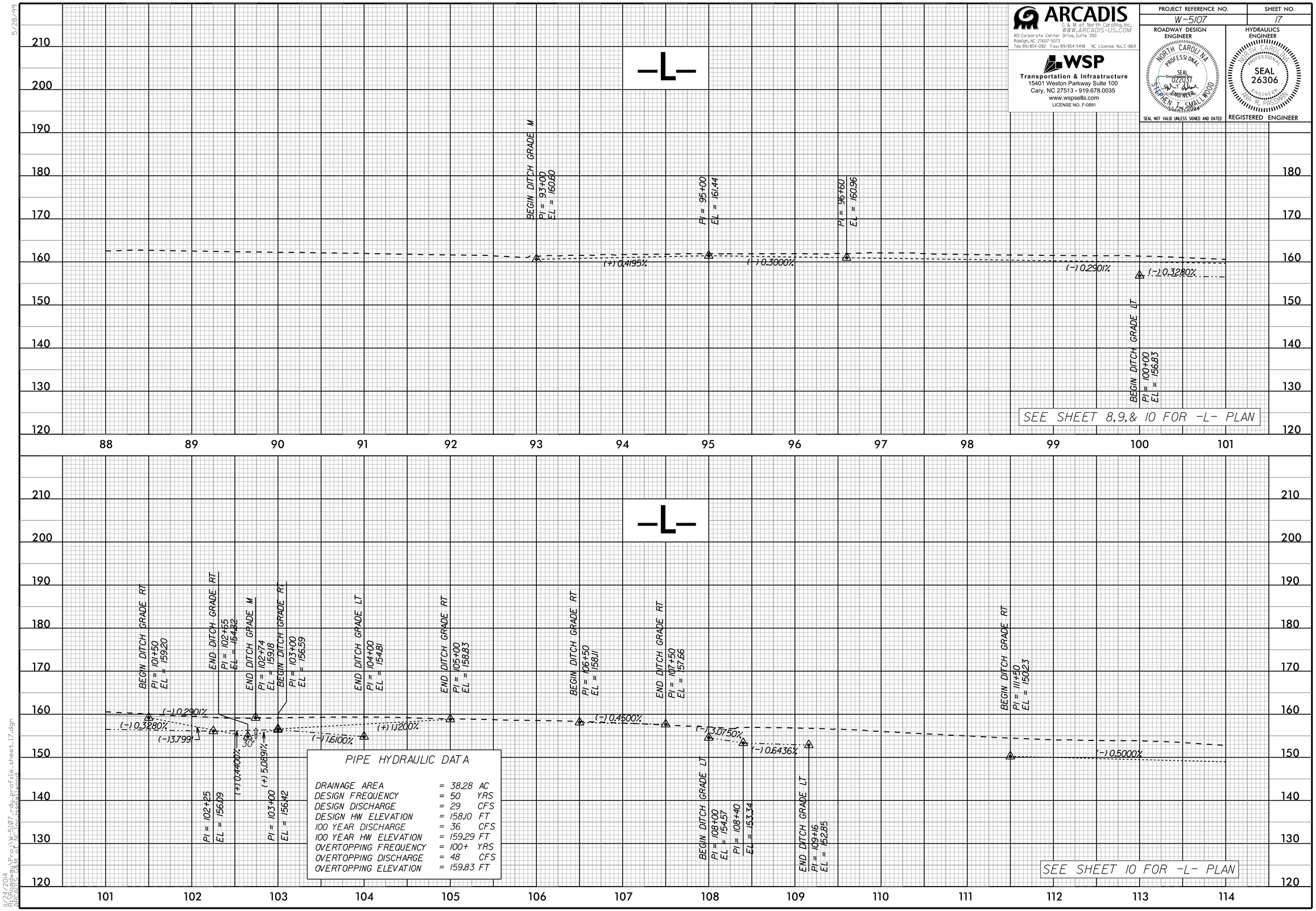
WSP
Transportation & Infrastructure
15401 Weston Parkway Suite 100
Cary, NC 27513 - 919.678.0035
www.wspsells.com
LICENSE NO. F-0891

PROJECT REFERENCE NO.	SHEET NO.
W-5107	17

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 022037 ENGINEER STEPHEN T. SMALLWOOD
DocuSigned by: 1/24/2014
SEAL NOT VALID UNLESS SIGNED AND DATED

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26306 ENGINEER ANNA M. PASTMORE
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

1/24/2014
1:29:04 PM
ARCADIS-NC
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