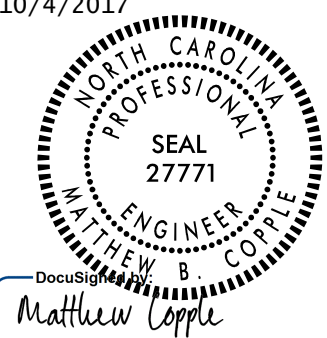
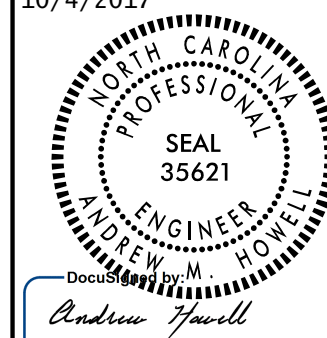
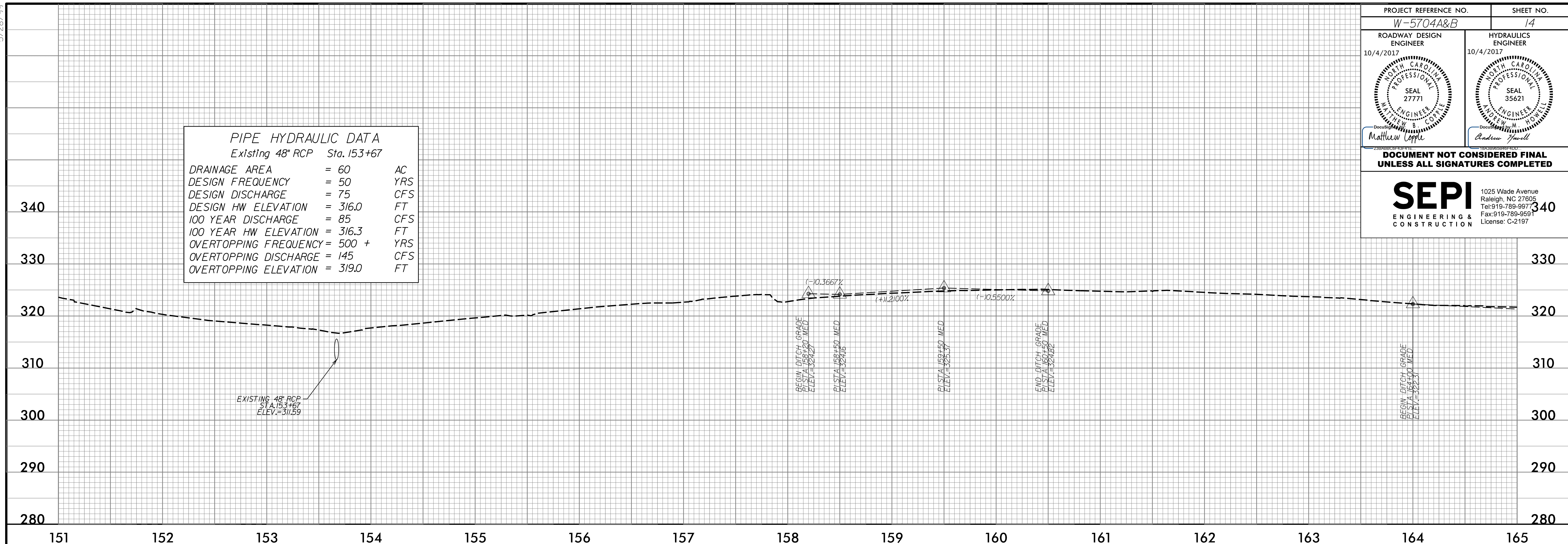


PROJECT REFERENCE NO. <b>W-5704A&amp;B</b>	SHEET NO. <b>14</b>
ROADWAY DESIGN ENGINEER 10/4/2017 	HYDRAULICS ENGINEER 10/4/2017 
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
<b>SEPI</b> ENGINEERING & CONSTRUCTION	
1025 Wade Avenue Raleigh, NC 27605 Tel: 919-789-9977 Fax: 919-789-9591 License: C-2197	

**PIPE HYDRAULIC DATA**  
Existing 48" RCP Sta. 153+67

DRAINAGE AREA	= 60	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 75	CFS
DESIGN HW ELEVATION	= 316.0	FT
100 YEAR DISCHARGE	= 85	CFS
100 YEAR HW ELEVATION	= 316.3	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 145	CFS
OVERTOPPING ELEVATION	= 319.0	FT



**PIPE HYDRAULIC DATA**  
Existing 18" / 24" RCP Sta. 175+03

DRAINAGE AREA	= 0.65	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 2.4	CFS
DESIGN HW ELEVATION	= 307.8	FT
100 YEAR DISCHARGE	= 2.6	CFS
100 YEAR HW ELEVATION	= 307.8	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 16	CFS
OVERTOPPING ELEVATION	= 311.4	FT

