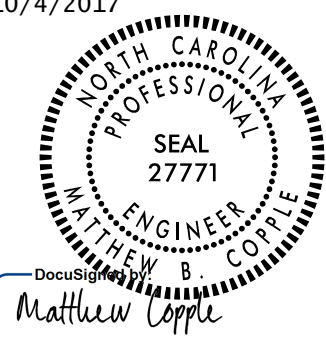
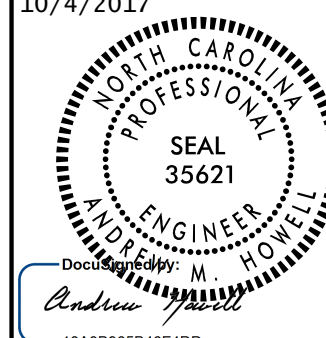
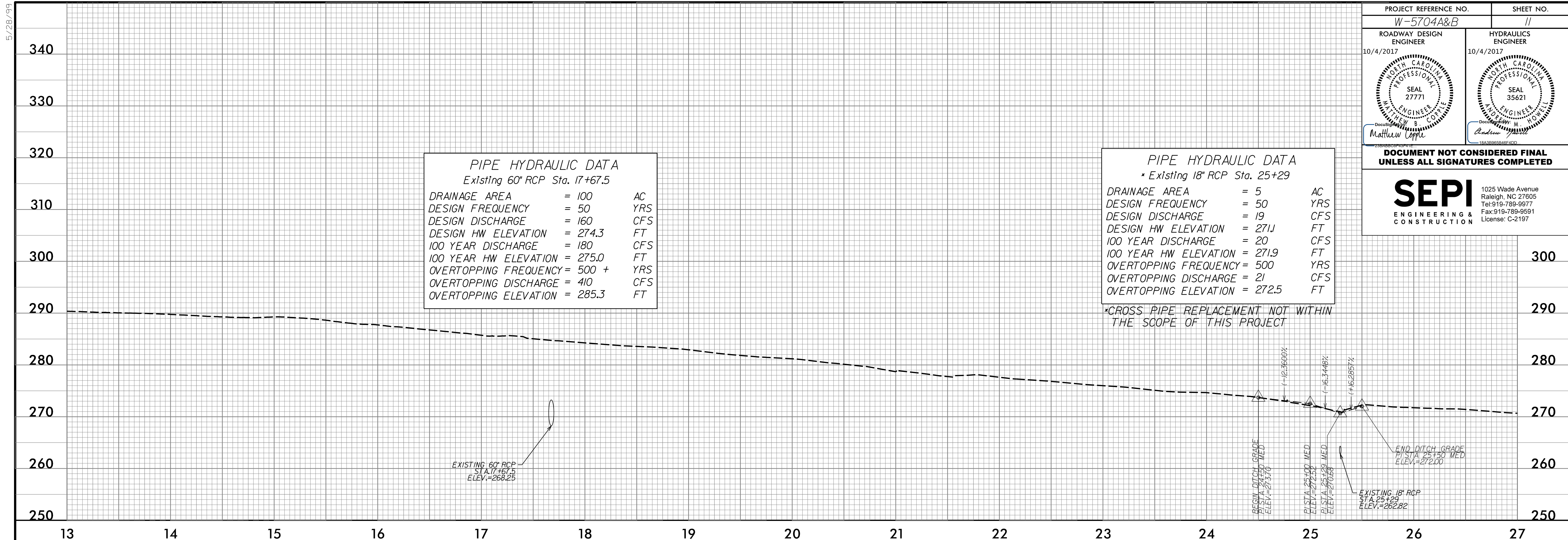


PROJECT REFERENCE NO. W-5704A&B	SHEET NO. 11
ROADWAY DESIGN ENGINEER 10/4/2017 	HYDRAULICS ENGINEER 10/4/2017 

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

SEPI ENGINEERING & CONSTRUCTION
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PIPE HYDRAULIC DATA
* Existing 60" RCP Sta. 17+67.5

DRAINAGE AREA	= 100	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 160	CFS
DESIGN HW ELEVATION	= 274.3	FT
100 YEAR DISCHARGE	= 180	CFS
100 YEAR HW ELEVATION	= 275.0	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 410	CFS
OVERTOPPING ELEVATION	= 285.3	FT

PIPE HYDRAULIC DATA
* Existing 18" RCP Sta. 25+29

DRAINAGE AREA	= 5	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 19	CFS
DESIGN HW ELEVATION	= 271.1	FT
100 YEAR DISCHARGE	= 20	CFS
100 YEAR HW ELEVATION	= 271.9	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 21	CFS
OVERTOPPING ELEVATION	= 272.5	FT

*CROSS PIPE REPLACEMENT NOT WITHIN THE SCOPE OF THIS PROJECT

PIPE HYDRAULIC DATA
* Existing 60" RCP Sta. 28+78

DRAINAGE AREA	= 80	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 140	CFS
DESIGN HW ELEVATION	= 265.2	FT
100 YEAR DISCHARGE	= 150	CFS
100 YEAR HW ELEVATION	= 265.4	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 335	CFS
OVERTOPPING ELEVATION	= 272.2	FT

PIPE HYDRAULIC DATA
* Existing 48" RCP Sta. 35+93

DRAINAGE AREA	= 55	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 100	CFS
DESIGN HW ELEVATION	= 262.0	FT
100 YEAR DISCHARGE	= 110	CFS
100 YEAR HW ELEVATION	= 262.5	FT
OVERTOPPING FREQUENCY	= 500 +/-	YRS
OVERTOPPING DISCHARGE	= 135	CFS
OVERTOPPING ELEVATION	= 263.8	FT

*CROSS PIPE REPLACEMENT NOT WITHIN THE SCOPE OF THIS PROJECT

PIPE HYDRAULIC DATA
* Existing 48" RCP Sta. 40+86.5

DRAINAGE AREA	= 80	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 120	CFS
DESIGN HW ELEVATION	= 261.8	FT
100 YEAR DISCHARGE	= 140	CFS
100 YEAR HW ELEVATION	= 263.1	FT
OVERTOPPING FREQUENCY	= 50	YRS
OVERTOPPING DISCHARGE	= 120	CFS
OVERTOPPING ELEVATION	= 261.5	FT

*CROSS PIPE REPLACEMENT NOT WITHIN THE SCOPE OF THIS PROJECT

