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PROJECT REFERENCE NO.	SHEET NO.
B-6022	5

HENDERSON COUNTY CULVERT #440215

R/W SHEET NO.

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 041650 ENGINEER BENJAMIN C. PICKERING

DocuSigned by: Benjamin C. Pickering 7/18/2019

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 40801 ENGINEER PAUL J. CAMERON

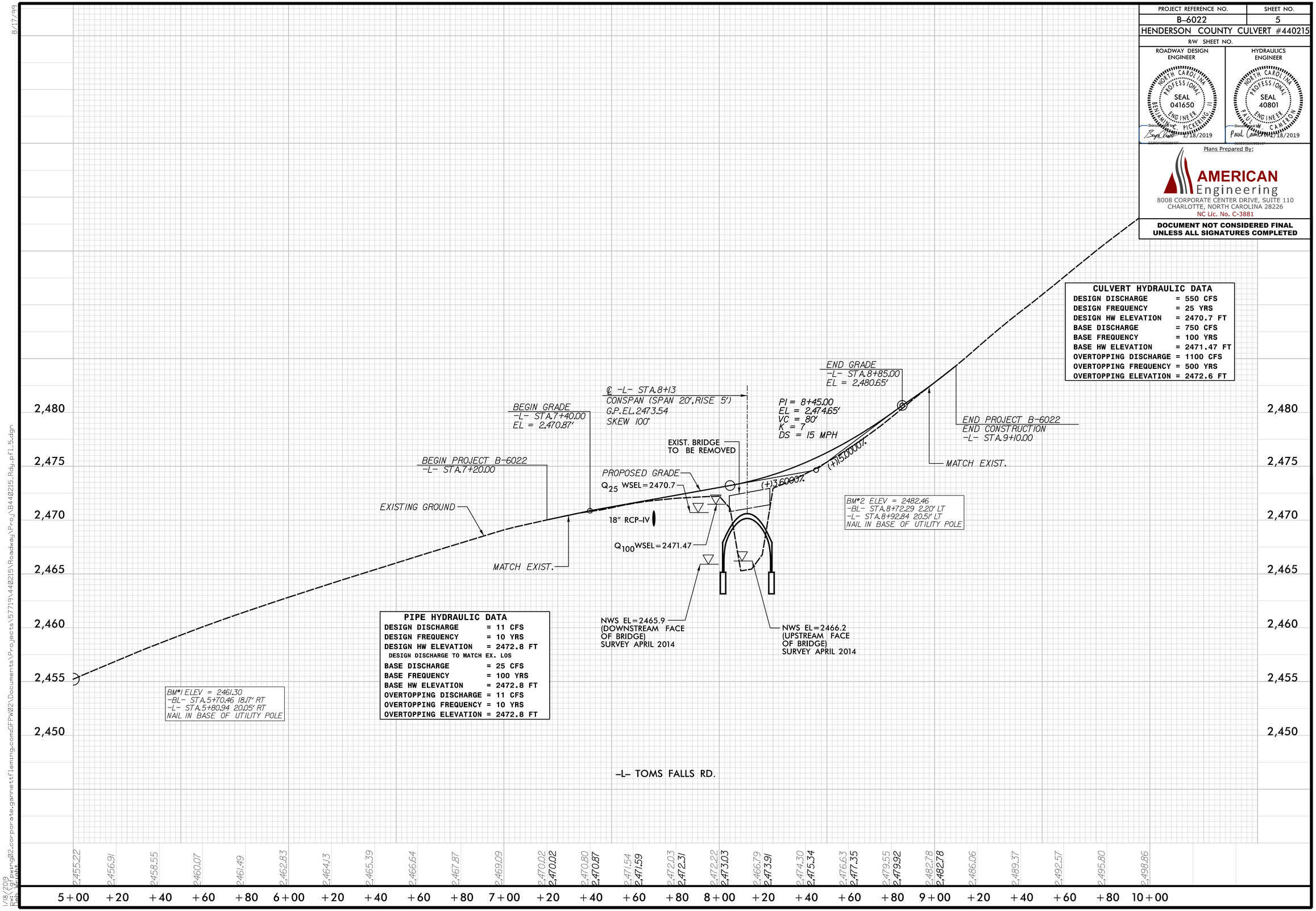
DocuSigned by: Paul Cameron 7/18/2019

Plans Prepared By:

AMERICAN Engineering

8008 CORPORATE CENTER DRIVE, SUITE 110
CHARLOTTE, NORTH CAROLINA 28226
NC Lic. No. C-3881

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 550 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 2470.7 FT
BASE DISCHARGE	= 750 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 2471.47 FT
OVERTOPPING DISCHARGE	= 1100 CFS
OVERTOPPING FREQUENCY	= 500 YRS
OVERTOPPING ELEVATION	= 2472.6 FT

PIPE HYDRAULIC DATA

DESIGN DISCHARGE	= 11 CFS
DESIGN FREQUENCY	= 10 YRS
DESIGN HW ELEVATION	= 2472.8 FT
DESIGN DISCHARGE TO MATCH EX. LOS	
BASE DISCHARGE	= 25 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 2472.8 FT
OVERTOPPING DISCHARGE	= 11 CFS
OVERTOPPING FREQUENCY	= 10 YRS
OVERTOPPING ELEVATION	= 2472.8 FT

8/17/99

7/18/2019
Rev. 12/1/11