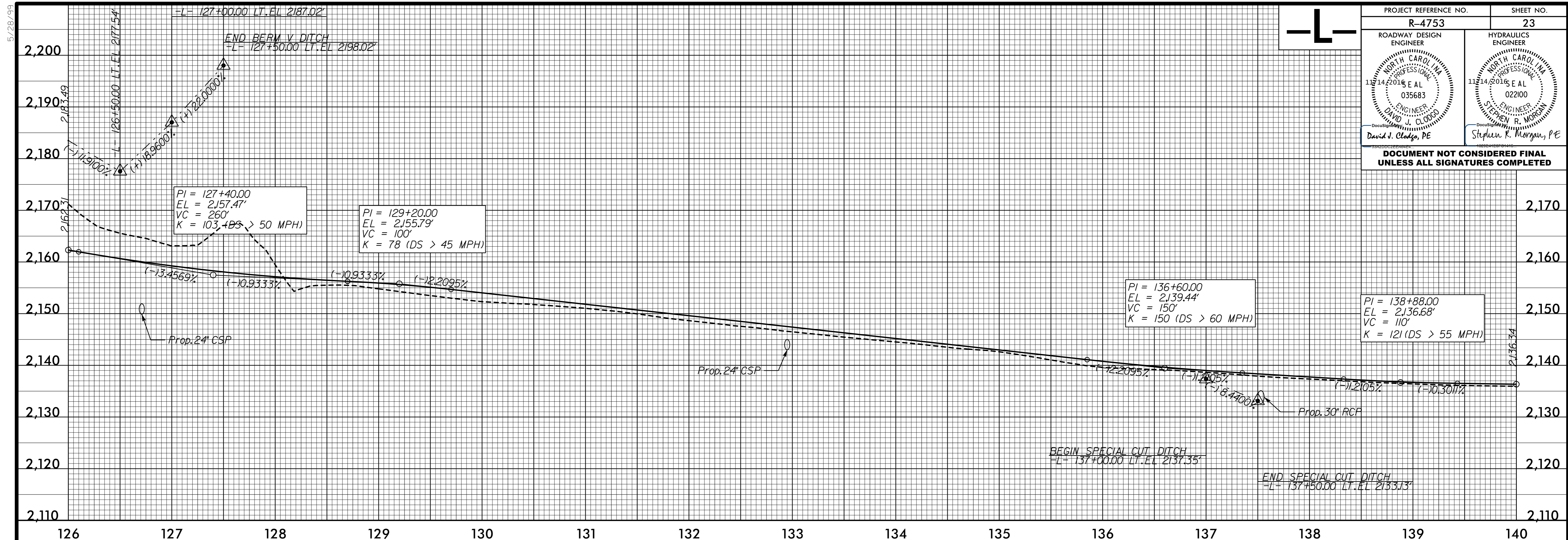


PROJECT REFERENCE NO. R-4753	SHEET NO. 23
ROADWAY DESIGN ENGINEER DAVID J. CLEDGE NORTH CAROLINA PROFESSIONAL ENGINEER 11/14/2016 EAL 035683	HYDRAULICS ENGINEER STEPHEN R. MORGAN NORTH CAROLINA PROFESSIONAL ENGINEER 11/14/2016 EAL 022100

David J. Cledge, PE
Stephen R. Morgan, PE

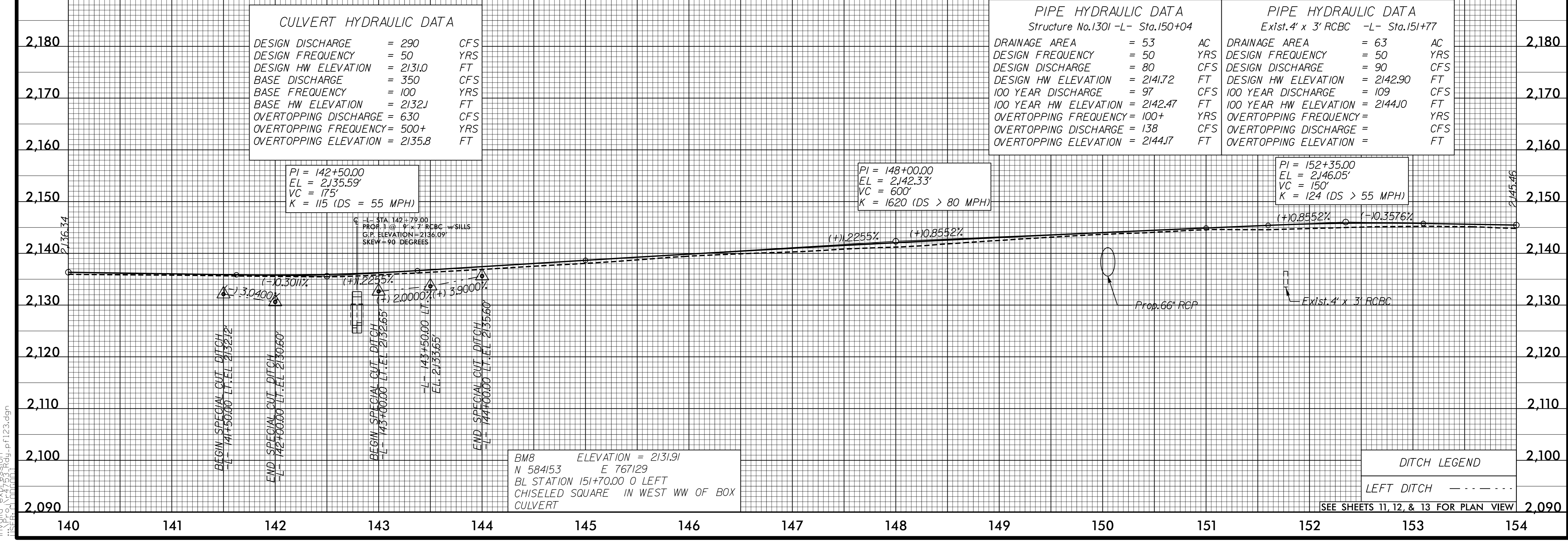
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



DESIGN DISCHARGE	= 290	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 2131.0	FT
BASE DISCHARGE	= 350	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2132.1	FT
OVERTOPPING DISCHARGE	= 630	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 2135.8	FT

Structure No.1301 -L- Sta.150+04	
DRAINAGE AREA	= 53 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 80 CFS
DESIGN HW ELEVATION	= 2141.72 FT
100 YEAR DISCHARGE	= 97 CFS
100 YEAR HW ELEVATION	= 2142.47 FT
OVERTOPPING FREQUENCY	= 100+ YRS
OVERTOPPING DISCHARGE	= 138 CFS
OVERTOPPING ELEVATION	= 2144.17 FT

Exist. 4' x 3' RCBC -L- Sta.151+77	
DRAINAGE AREA	= 63 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 90 CFS
DESIGN HW ELEVATION	= 2142.90 FT
100 YEAR DISCHARGE	= 109 CFS
100 YEAR HW ELEVATION	= 2144.10 FT
OVERTOPPING FREQUENCY	= YRS
OVERTOPPING DISCHARGE	= CFS
OVERTOPPING ELEVATION	= FT



BM8 ELEVATION = 2131.91
N 584153 E 767129
BL STATION 151+70.00 0 LEFT
CHISELED SQUARE IN WEST WW OF BOX
CULVERT

LEFT DITCH	---
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SEE SHEETS 11, 12, & 13 FOR PLAN VIEW

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11:55:50 AM 11/14/2016 11:55:50 AM p123.dgn