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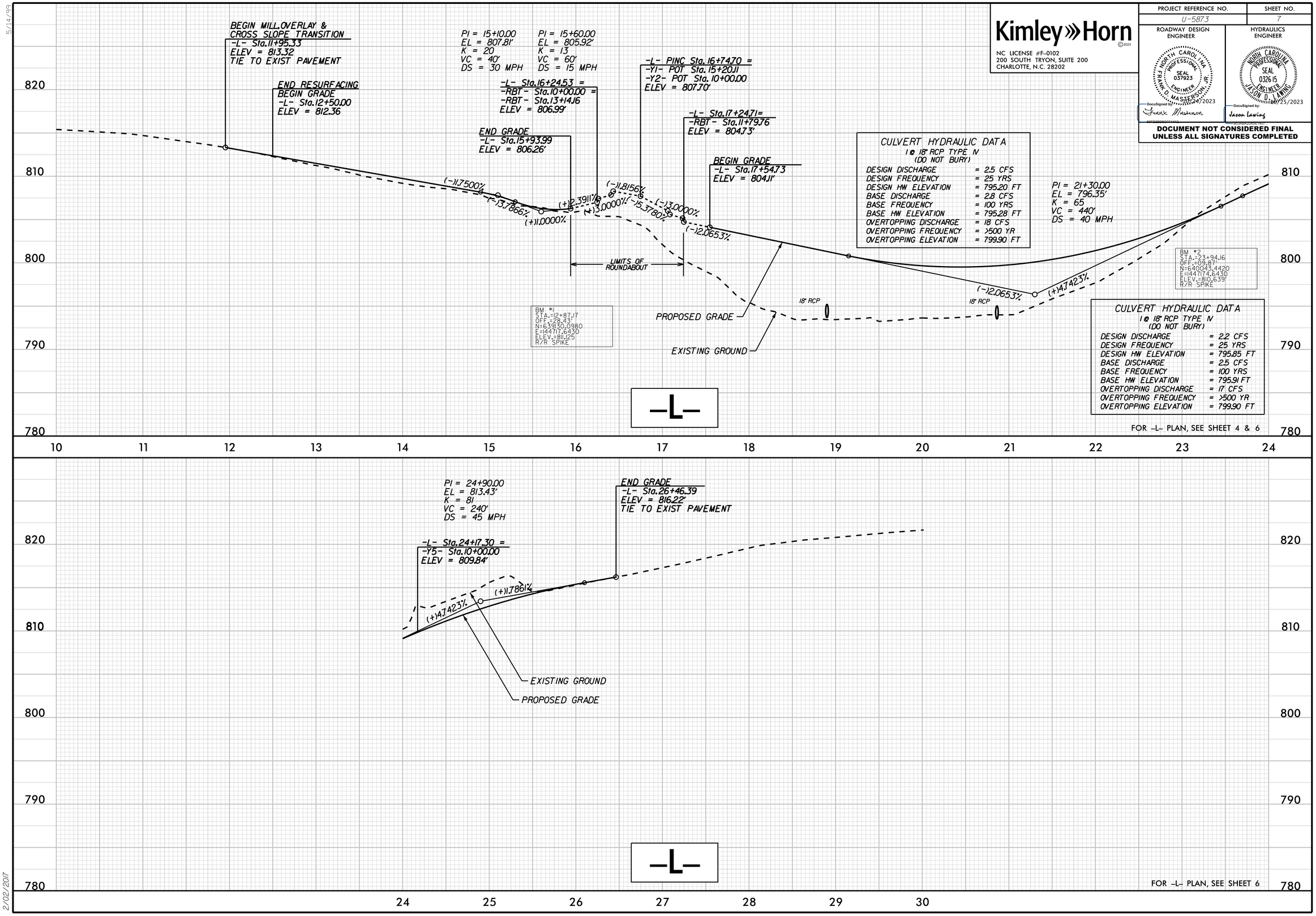

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200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO.	SHEET NO.
U-5873	7

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 037923 ENGINEER FRANK D. MASTERSON, JR.
10/24/2023
DocuSigned by: Frank Masterson
60F00D06CF44AD

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 032615 ENGINEER JASON D. LAWING
10/25/2023
DocuSigned by: Jason Lawing
B53BDA0C0E1A07

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CULVERT HYDRAULIC DATA
1 @ 18" RCP TYPE IV
(DO NOT BURY)

DESIGN DISCHARGE	= 2.5 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 795.20 FT
BASE DISCHARGE	= 2.8 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 795.28 FT
OVERTOPPING DISCHARGE	= 18 CFS
OVERTOPPING FREQUENCY	= >500 YR
OVERTOPPING ELEVATION	= 799.90 FT

CULVERT HYDRAULIC DATA
1 @ 18" RCP TYPE IV
(DO NOT BURY)

DESIGN DISCHARGE	= 2.2 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 795.85 FT
BASE DISCHARGE	= 2.5 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 795.91 FT
OVERTOPPING DISCHARGE	= 17 CFS
OVERTOPPING FREQUENCY	= >500 YR
OVERTOPPING ELEVATION	= 799.90 FT

2/02/2017