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HNTB
HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills St
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
R-5759	36

ROADWAY DESIGN ENGINEER — SEAL 36786 — 10/12/2026

HYDRAULICS ENGINEER — SEAL 40801 — 10/12/2026

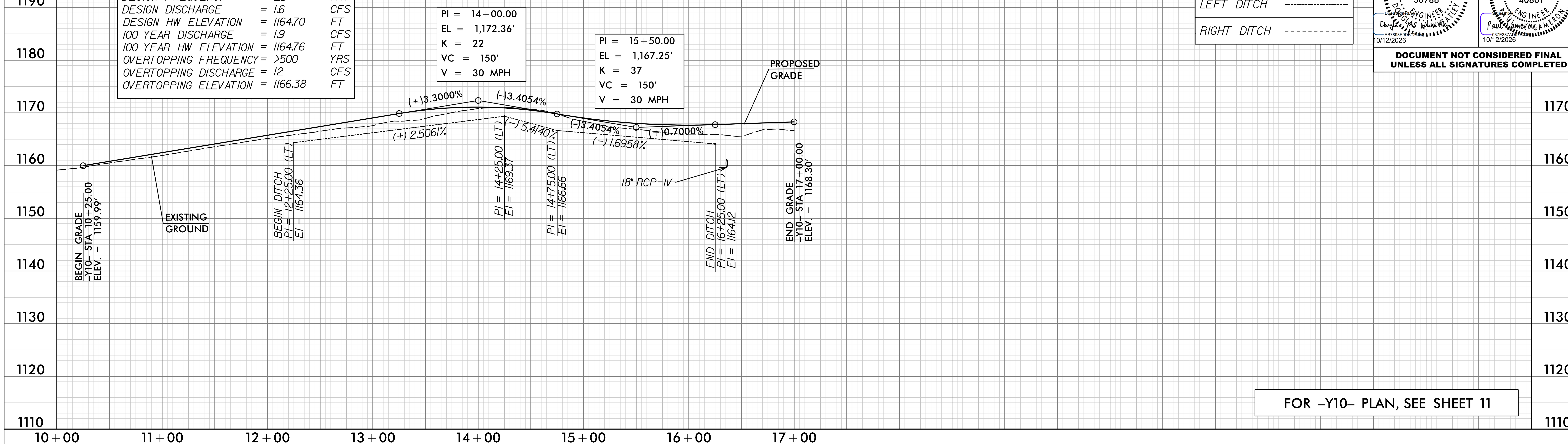
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y10-

PIPE HYDRAULIC DATA
-Y10- Sta.16+00 (STR #1134)

DRAINAGE AREA	= 0.52	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 1.6	CFS
DESIGN HW ELEVATION	= 1164.70	FT
100 YEAR DISCHARGE	= 1.9	CFS
100 YEAR HW ELEVATION	= 1164.76	FT
OVERTOPPING FREQUENCY	= >500	YRS
OVERTOPPING DISCHARGE	= 12	CFS
OVERTOPPING ELEVATION	= 1166.38	FT

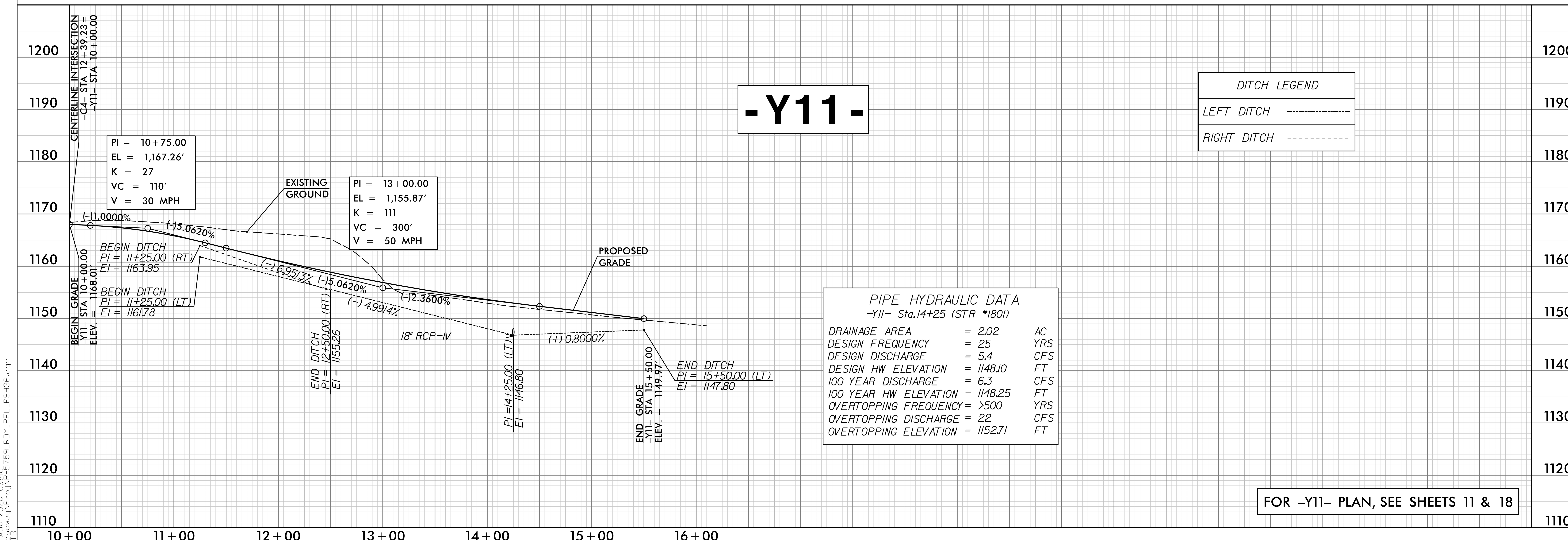
DITCH LEGEND
LEFT DITCH
RIGHT DITCH



FOR -Y10- PLAN, SEE SHEET 11

-Y11-

DITCH LEGEND
LEFT DITCH
RIGHT DITCH



PIPE HYDRAULIC DATA
-Y11- Sta.14+25 (STR #1801)

DRAINAGE AREA	= 2.02	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 5.4	CFS
DESIGN HW ELEVATION	= 1148.10	FT
100 YEAR DISCHARGE	= 6.3	CFS
100 YEAR HW ELEVATION	= 1148.25	FT
OVERTOPPING FREQUENCY	= >500	YRS
OVERTOPPING DISCHARGE	= 22	CFS
OVERTOPPING ELEVATION	= 1152.71	FT

FOR -Y11- PLAN, SEE SHEETS 11 & 18

5/28/99
07-AUG-2026 09:40
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