

5/28/99

LOCHNER
 H. W. LOCHNER, INC.
 2840 PLAZA PLACE, SUITE 202
 RALEIGH, NC 27612
 (919)571-7111
 NC License Number F-0159

HNTB
 343 E. SIX FORKS ROAD, SUITE 200
 RALEIGH, NC 27609
 NC License Number C-1554
 9/1/2016

PROJECT REFERENCE NO. **R-2915C** SHEET NO. **34**

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

SEAL 25523

9/7/2016

9AF01SAD7ACC48F

PIPE HYDRAULIC DATA
-L- Sta. 436+05

DRAINAGE AREA	= 30.4	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 44	CFS
DESIGN HW ELEVATION	= 3053.1	FT
100 YEAR DISCHARGE	= 55	CFS
100 YEAR HW ELEVATION	= 3053.5	FT
OVERTOPPING FREQUENCY	= >500+	YRS
OVERTOPPING DISCHARGE	= -	CFS
OVERTOPPING ELEVATION	= 3059.1	FT

PIPE HYDRAULIC DATA
-L- Sta. 438+39

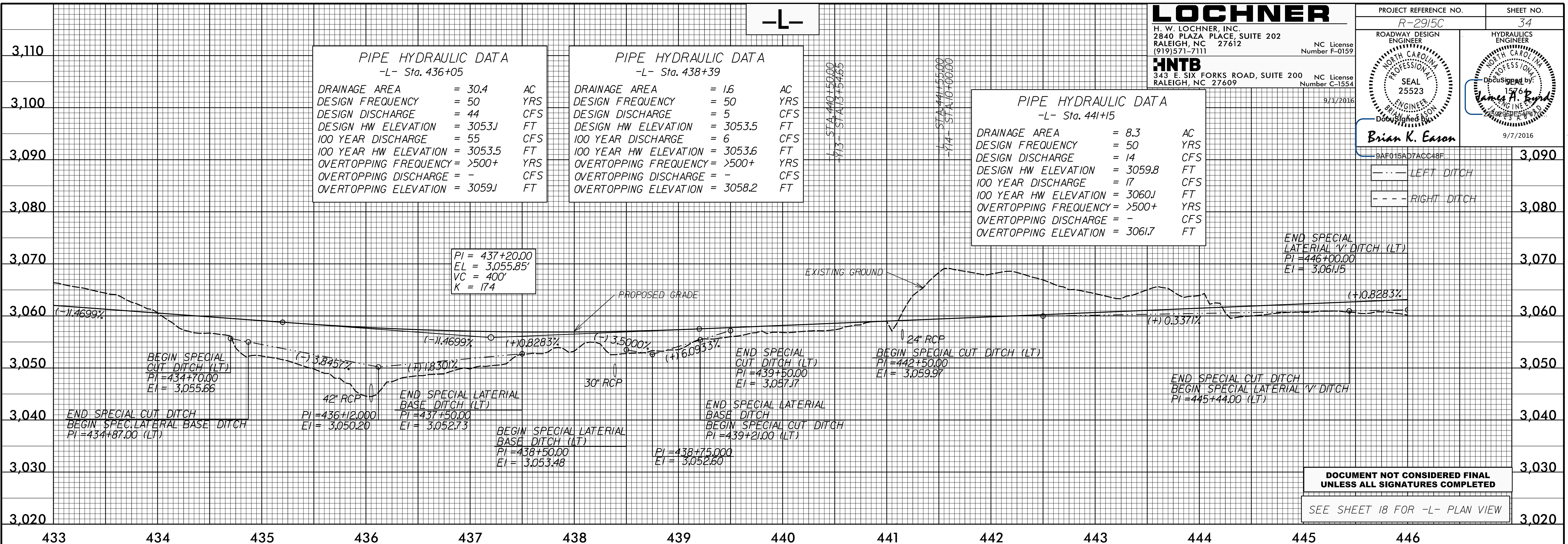
DRAINAGE AREA	= 1.6	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 5	CFS
DESIGN HW ELEVATION	= 3053.5	FT
100 YEAR DISCHARGE	= 6	CFS
100 YEAR HW ELEVATION	= 3053.6	FT
OVERTOPPING FREQUENCY	= >500+	YRS
OVERTOPPING DISCHARGE	= -	CFS
OVERTOPPING ELEVATION	= 3058.2	FT

PIPE HYDRAULIC DATA
-L- Sta. 441+15

DRAINAGE AREA	= 8.3	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 14	CFS
DESIGN HW ELEVATION	= 3059.8	FT
100 YEAR DISCHARGE	= 17	CFS
100 YEAR HW ELEVATION	= 3060.1	FT
OVERTOPPING FREQUENCY	= >500+	YRS
OVERTOPPING DISCHARGE	= -	CFS
OVERTOPPING ELEVATION	= 3061.7	FT

--- LEFT DITCH
 --- RIGHT DITCH

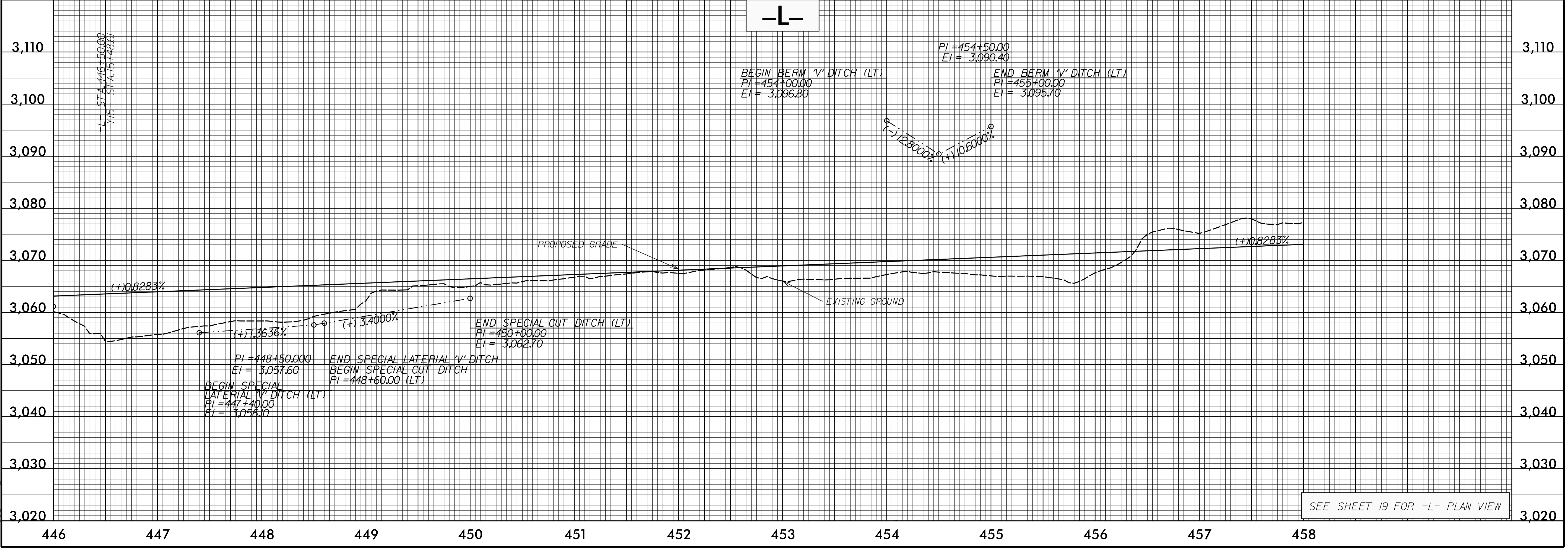
END SPECIAL LATERAL 'V' DITCH (LT)
 PI = 446+00.00
 EI = 3,061.15



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

SEE SHEET 18 FOR -L- PLAN VIEW

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SEE SHEET 19 FOR -L- PLAN VIEW