

5/28/2016

-Y3-

-Y4-

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

9/7/2016

PROJECT REFERENCE NO. **R-2915C** SHEET NO. **36**

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

SEAL 25523

SEAL 15764

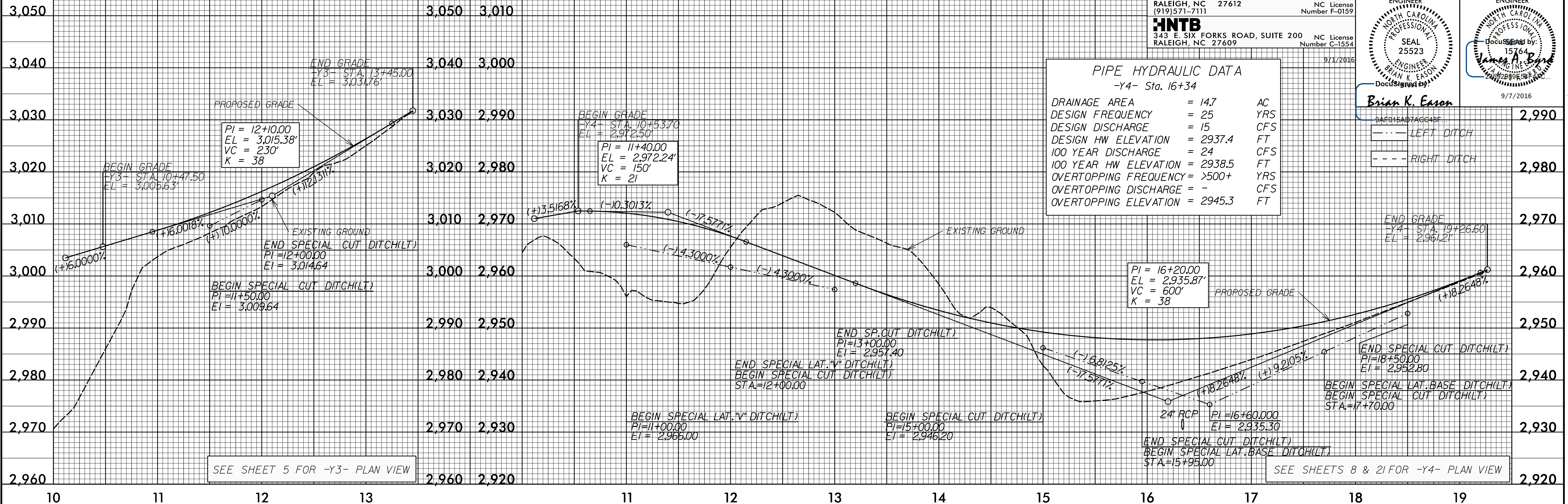
DocuSigned by: **Brian K. Eason**

DocuSigned by: **James A. Byrd**

9/7/2016

PIPE HYDRAULIC DATA
 -Y4- Sta. 16+34

DRAINAGE AREA	= 14.7	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 15	CFS
DESIGN HW ELEVATION	= 2937.4	FT
100 YEAR DISCHARGE	= 24	CFS
100 YEAR HW ELEVATION	= 2938.5	FT
OVERTOPPING FREQUENCY	= >500+	YRS
OVERTOPPING DISCHARGE	= -	CFS
OVERTOPPING ELEVATION	= 2945.3	FT



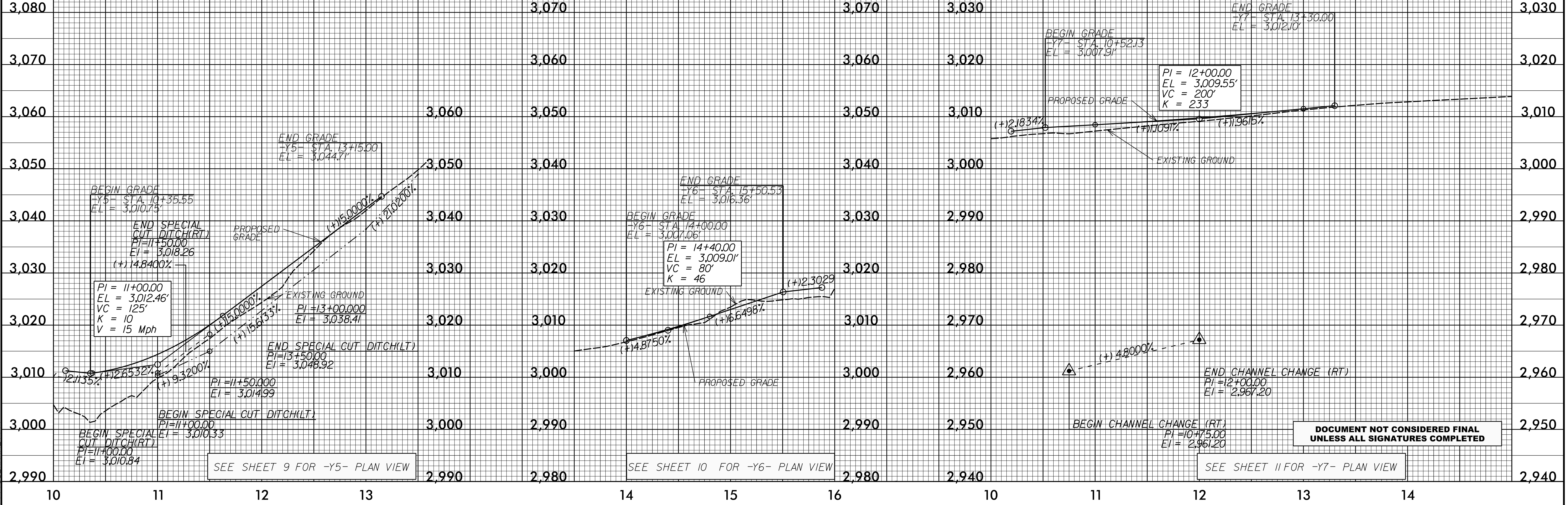
SEE SHEET 5 FOR -Y3- PLAN VIEW

SEE SHEETS 8 & 21 FOR -Y4- PLAN VIEW

-Y5-

-Y6-

-Y7-



SEE SHEET 9 FOR -Y5- PLAN VIEW

SEE SHEET 10 FOR -Y6- PLAN VIEW

SEE SHEET 11 FOR -Y7- PLAN VIEW

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

01-SEP-2016 13:32 R:\Roadway\Projects\2915C_rdy\p1_sheets.dgn