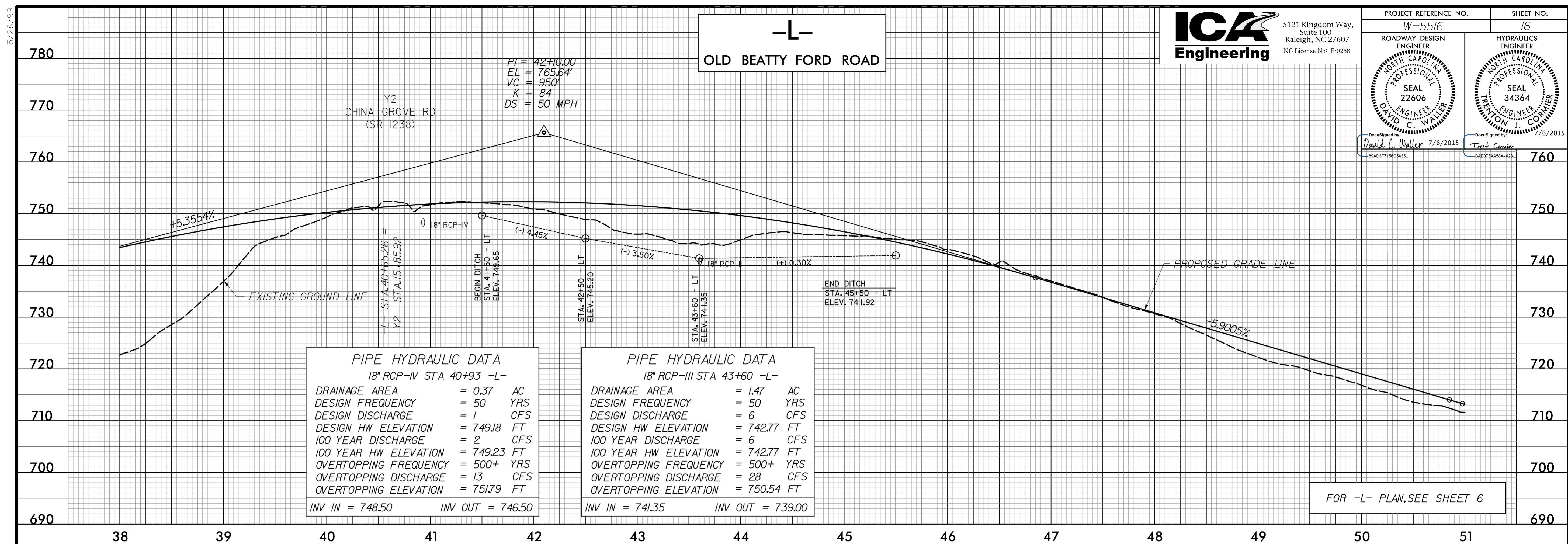


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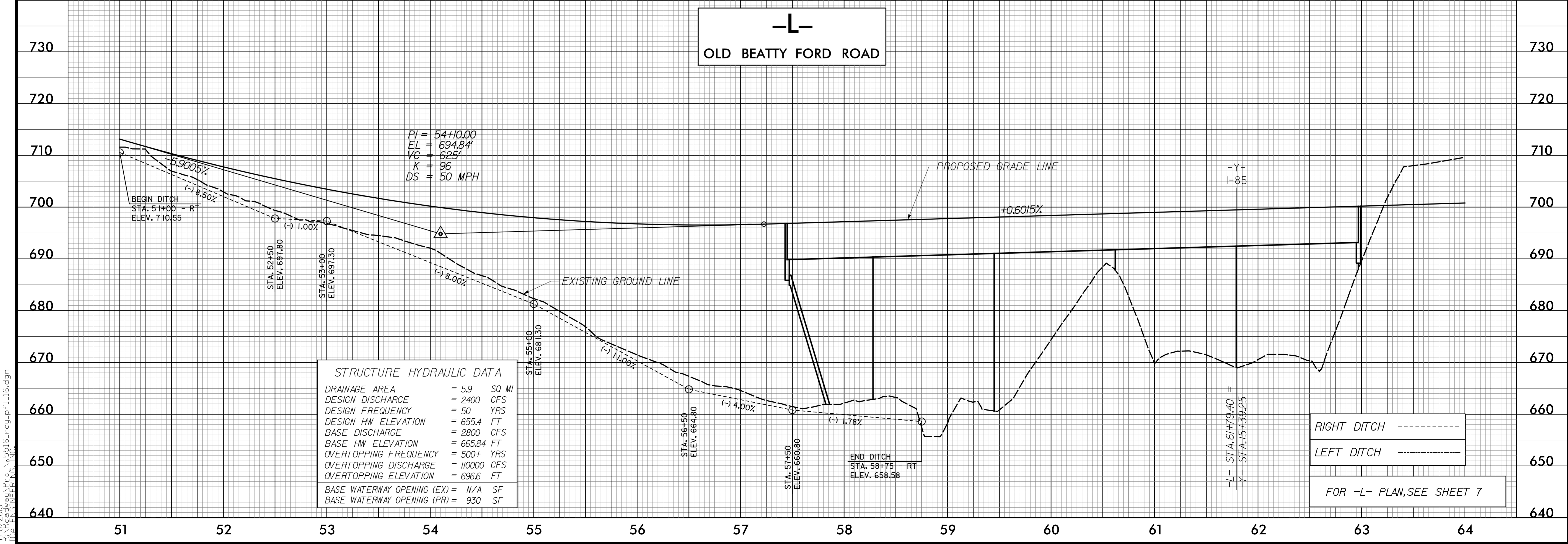
PROJECT REFERENCE NO. W-5516	SHEET NO. 16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
SEAL 22606 DAVID C. WALLER	SEAL 34364 TERRY L. CORNER
DocuSigned by: David C. Waller 7/6/2015	DocuSigned by: Terry L. Corner 7/6/2015



PIPE HYDRAULIC DATA	
18" RCP-IV STA 40+93 -L-	
DRAINAGE AREA	= 0.37 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 1 CFS
DESIGN HW ELEVATION	= 749.18 FT
100 YEAR DISCHARGE	= 2 CFS
100 YEAR HW ELEVATION	= 749.23 FT
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 13 CFS
OVERTOPPING ELEVATION	= 751.79 FT
INV IN	= 748.50
INV OUT	= 746.50

PIPE HYDRAULIC DATA	
18" RCP-III STA 43+60 -L-	
DRAINAGE AREA	= 1.47 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 6 CFS
DESIGN HW ELEVATION	= 742.77 FT
100 YEAR DISCHARGE	= 6 CFS
100 YEAR HW ELEVATION	= 742.77 FT
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 28 CFS
OVERTOPPING ELEVATION	= 750.54 FT
INV IN	= 741.35
INV OUT	= 739.00

FOR -L- PLAN, SEE SHEET 6



STRUCTURE HYDRAULIC DATA	
DRAINAGE AREA	= 5.9 SQ MI
DESIGN DISCHARGE	= 2400 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 655.4 FT
BASE DISCHARGE	= 2800 CFS
BASE HW ELEVATION	= 665.84 FT
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 10000 CFS
OVERTOPPING ELEVATION	= 696.6 FT
BASE WATERWAY OPENING (EX)	= N/A SF
BASE WATERWAY OPENING (PR)	= 930 SF

RIGHT DITCH - - - - -

LEFT DITCH - - - - -

FOR -L- PLAN, SEE SHEET 7

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