DocuSign Envelope ID: 4633A49D-9137-4E1D-BA8F-80AB46B80CF9

5/28/99

PROJECT REFERENCE NO.	SHEET NO.
R-3620	22

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 25873 ENGINEER GARY R. LOVERING
DocuSigned by: Gary Lovering 4/3/2014
DFD78F34A6BD426...

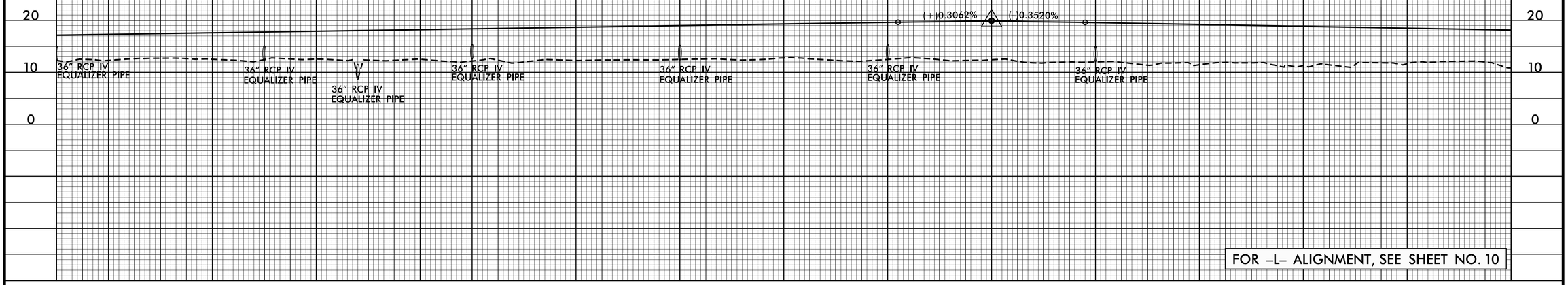
HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 22000 ENGINEER GALEN CAIL
DocuSigned by: Galen Cail 4/7/2014
D75B2BE60EC654...

–L–

DITCH LEGEND

LEFT DITCH —·—·—·—

PI = 103+00.00
EL = 19.90'
VC = 180'
K = 273



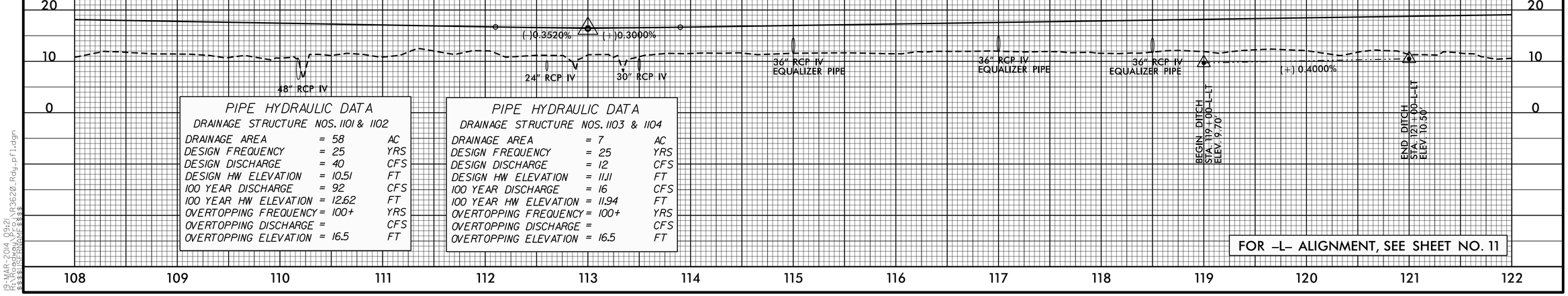
FOR –L– ALIGNMENT, SEE SHEET NO. 10

–L–

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NOS. 1105 & 1106

DRAINAGE AREA	= 14	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 21	CFS
DESIGN HW ELEVATION	= 12.05	FT
100 YEAR DISCHARGE	= 28	CFS
100 YEAR HW ELEVATION	= 12.83	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	=	CFS
OVERTOPPING ELEVATION	= 16.5	FT

PI = 113+00.00
EL = 16.38'
VC = 180'
K = 276



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NOS. 1101 & 1102

DRAINAGE AREA	= 58	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 40	CFS
DESIGN HW ELEVATION	= 10.51	FT
100 YEAR DISCHARGE	= 92	CFS
100 YEAR HW ELEVATION	= 12.62	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	=	CFS
OVERTOPPING ELEVATION	= 16.5	FT

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NOS. 1103 & 1104

DRAINAGE AREA	= 7	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 12	CFS
DESIGN HW ELEVATION	= 11.11	FT
100 YEAR DISCHARGE	= 16	CFS
100 YEAR HW ELEVATION	= 11.94	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	=	CFS
OVERTOPPING ELEVATION	= 16.5	FT

FOR –L– ALIGNMENT, SEE SHEET NO. 11

19-MAR-2014 09:21 R:\Roadway\Proj\R3620_Rdy_pf1.dgn
$$$$USERNAME$$$$