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5/28/99

PROJECT REFERENCE NO.	SHEET NO.
R-3620	26

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
D75B2B1E00EC454...

–Y1–

DITCH LEGEND
LEFT DITCH
RIGHT DITCH
UNDERCUT

END GRADE
–Y1– STA. 19+80.01 =
–L– STA. 176+26.77
OFF 20.75' LT.
EL. 11.55'

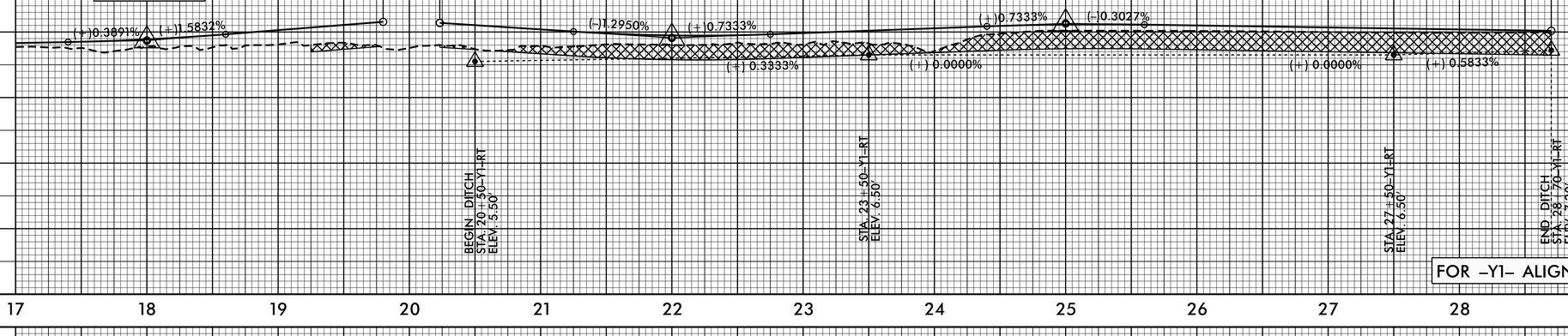
BEGIN GRADE
–Y1– STA. 20+23.17 =
–L– STA. 176+38.63
OFF 20.75' RT.
EL. 11.39'

END GRADE
–Y1– STA. 28+70.00
EL. 10.18'

PI = 18+00.00
EL = 8.70'
VC = 120'
K = 100
V = 51 MPH

PI = 22+00.00
EL = 9.10'
VC = 150'
K = 74
V = 43 MPH

PI = 25+00.00
EL = 11.30'
VC = 120'
K = 116
V = 55 MPH



FOR –Y1– ALIGNMENT, SEE SHEETS NO. 15 & 18

–Y2–

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NOS. 1707 & 1708

DRAINAGE AREA	= 43	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 50	CFS
DESIGN HW ELEVATION	= 12.23	FT
100 YEAR DISCHARGE	= 80	CFS
100 YEAR HW ELEVATION	= 13.62	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	=	CFS
OVERTOPPING ELEVATION	= 14.6	FT

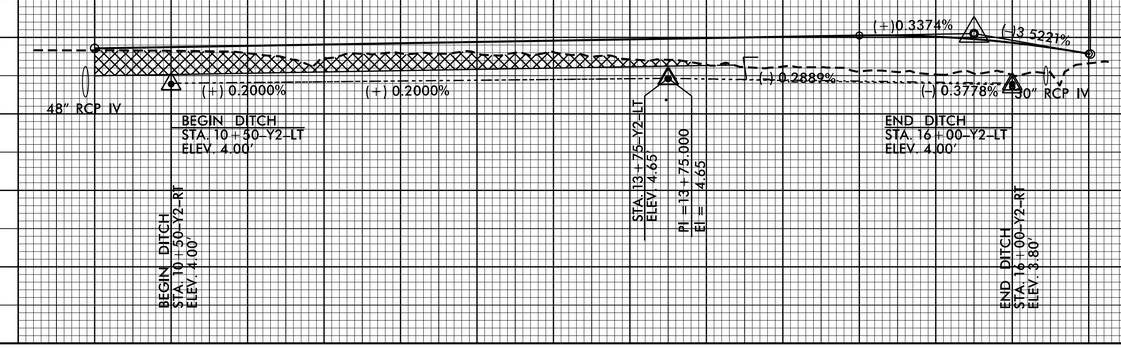
BEGIN GRADE
–Y2– STA. 10+00.00
EL. 8.56'

END GRADE
–Y2– STA. 16+51.09 =
–Y1– STA. 14+50.00
OFF 12' LT.
EL. 7.82'

PI = 15+75.00
EL = 10.50'
VC = 150'
K = 39
V = 38 MPH

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NOS. 1701 & 1702

DRAINAGE AREA	= 11.2	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 23	CFS
DESIGN HW ELEVATION	= 8.97	FT
100 YEAR DISCHARGE	= 27	CFS
100 YEAR HW ELEVATION	= 9.65	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	=	CFS
OVERTOPPING ELEVATION	= 14.6	FT



FOR –Y2– ALIGNMENT, SEE SHEET NO. 17

19-MAR-2014 14:24
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$$$$USERNAME$$$$