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5/28/99

PROJECT REFERENCE NO.	SHEET NO.
R-3620	20

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 25873 ENGINEER GARY R. LOVERING
DocuSigned by: Gary Lovering 4/3/2014
DF D7BF4A4BB0B25

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 22000 ENGINEER W. GALEN CAIL
DocuSigned by: Galen Cail 4/7/2014
D275B2DC0DEC454...

-L-

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NOS. 0607 & 0608

DRAINAGE AREA	= 2.5	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 6.5	CFS
DESIGN HW ELEVATION	= 8.3	FT
100 YEAR DISCHARGE	= 7.7	CFS
100 YEAR HW ELEVATION	= 8.4	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	=	CFS
OVERTOPPING ELEVATION	= 14.6	FT

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NOS. 0604 & 0605

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

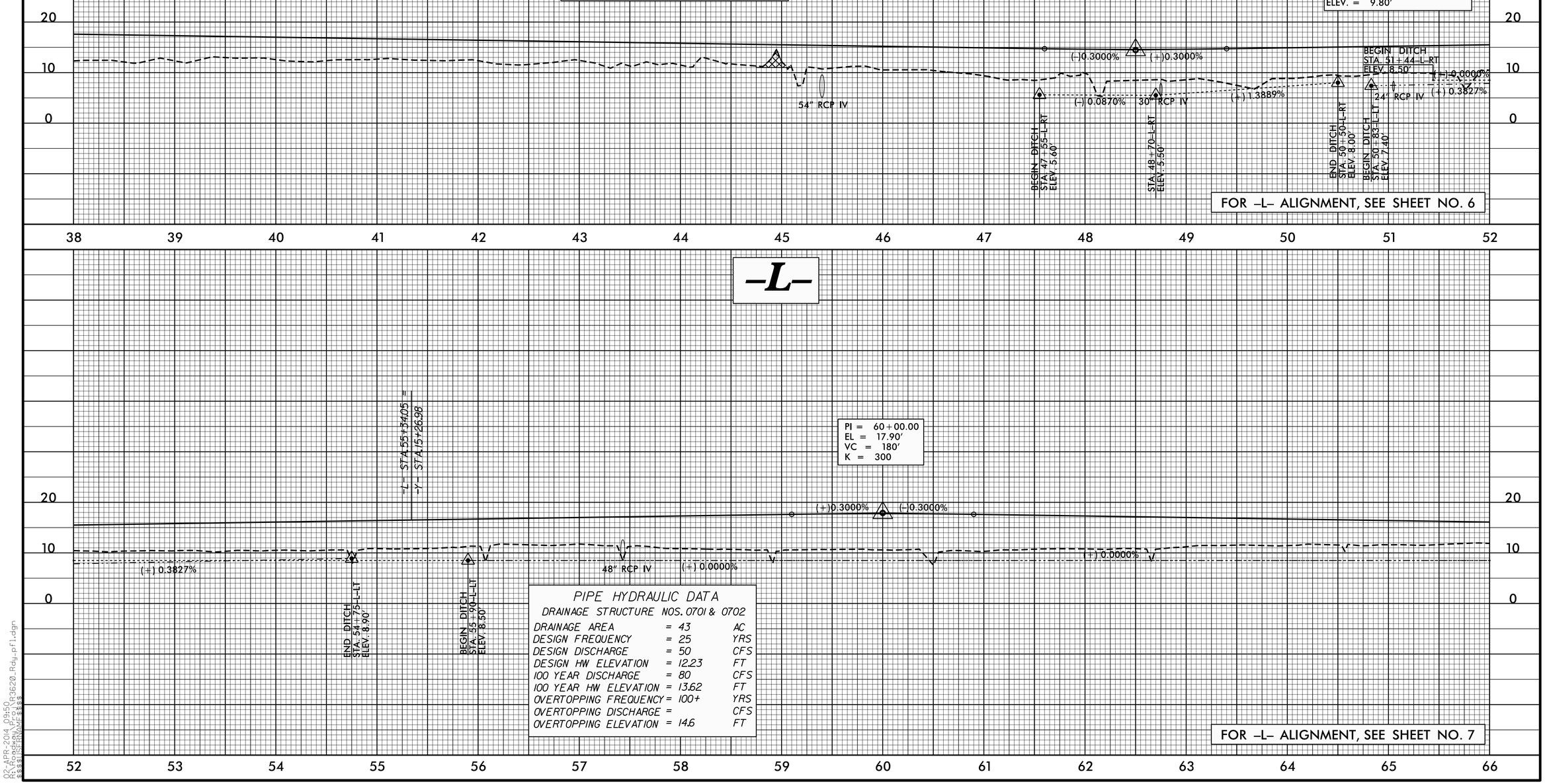
PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NOS. 0602 & 0603

DRAINAGE AREA	= 68	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 65	CFS
DESIGN HW ELEVATION	= 9.88	FT
100 YEAR DISCHARGE	= 100	CFS
100 YEAR HW ELEVATION	= 10.46	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	=	CFS
OVERTOPPING ELEVATION	= 14.6	FT

PI = 48+50.00
EL = 14.45'
VC = 180'
K = 300

DITCH LEGEND
LEFT DITCH
RIGHT DITCH
UNDERCUT

BM #12 RR SPIKE IN 17" PINE
-L- STA. 51+51.71, 144.60' LEFT
ELEV. = 9.80'



FOR -L- ALIGNMENT, SEE SHEET NO. 6

-L-

-L- STA. 55+34.05 =
-Y- STA. 15+26.98

PI = 60+00.00
EL = 17.90'
VC = 180'
K = 300

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NOS. 0701 & 0702

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

FOR -L- ALIGNMENT, SEE SHEET NO. 7

02-APR-2014 09:50
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$$$$USERNAME$$$$