

5/28/99

PROJECT REFERENCE NO. I-5987B	SHEET NO. 103
ROADWAY DESIGN ENGINEER DAVID C. WALKER Professional Seal 22606	HYDRAULICS ENGINEER ALEXIS M. RIGGS Professional Seal 036821
MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	MOTT MACDONALD I & E, LLC LICENSE NO. F-0669
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Prepared in the Office of:	M MOTT MACDONALD 7621 Purfoy Rd., Suite 115 Fuquay-Varina, NC 27526 www.mottmac.com/americas

-EY18-

PIPE HYDRAULIC DATA
2 @ 42" RCP-IV Sta.25+00 -EY18-

DRAINAGE AREA	=	81.7	AC
DESIGN FREQUENCY	=	25	YRS
DESIGN DISCHARGE	=	88	CFS
DESIGN HW ELEVATION	=	166J	FT
100 YEAR DISCHARGE	=	115	CFS
100 YEAR HW ELEVATION	=	166.4	FT
OVERTOPPING FREQUENCY	=	25+	YRS
OVERTOPPING DISCHARGE	=	98	CFS
OVERTOPPING ELEVATION	=	167J	FT



-EY18-

PIPE HYDRAULIC DATA
2 @ 48" RCP-IV Sta.40+70 -EY18-

DRAINAGE AREA	=	199.8	AC
DESIGN FREQUENCY	=	25	YRS
DESIGN DISCHARGE	=	140	CFS
DESIGN HW ELEVATION	=	165J	FT
100 YEAR DISCHARGE	=	190	CFS
100 YEAR HW ELEVATION	=	166.5	FT
OVERTOPPING FREQUENCY	=	100+	YRS
OVERTOPPING DISCHARGE	=	200	CFS
OVERTOPPING ELEVATION	=	167.0	FT



LEFT DITCH -----
RIGHT DITCH -----
-EY18- PLANS SEE SHEETS 5 & 6

4/18/2002
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