

5/28/99

PROJECT REFERENCE NO. R-2911C	SHEET NO. 34
ROADWAY DESIGN ENGINEER DAVID L. WILBUR 19025 1979 WILBUR SMITH ASSOCIATES P.O. BOX 2479 RALEIGH, NC 27601	HYDRAULICS ENGINEER HENRY WELLS 9334 SUNGATE DESIGN GROUP P.O. BOX 2479 RALEIGH, NC 27606

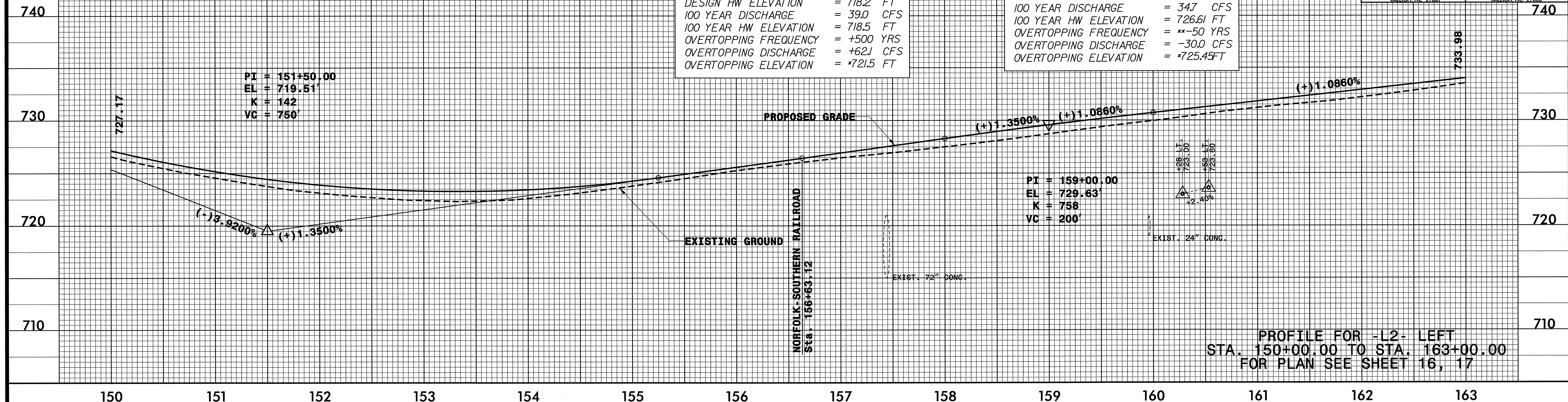
BM 4:
CHISELED SQUARE ON SOUTH EAST
CORNER OF CONCRETE INSIDE
SOUTHERN STATES FENCE
-L2- STA. 151+69.34, 836.38' LT. =
BL STA. 148+82.37, 822.88' LT.
EL. 746.33

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE

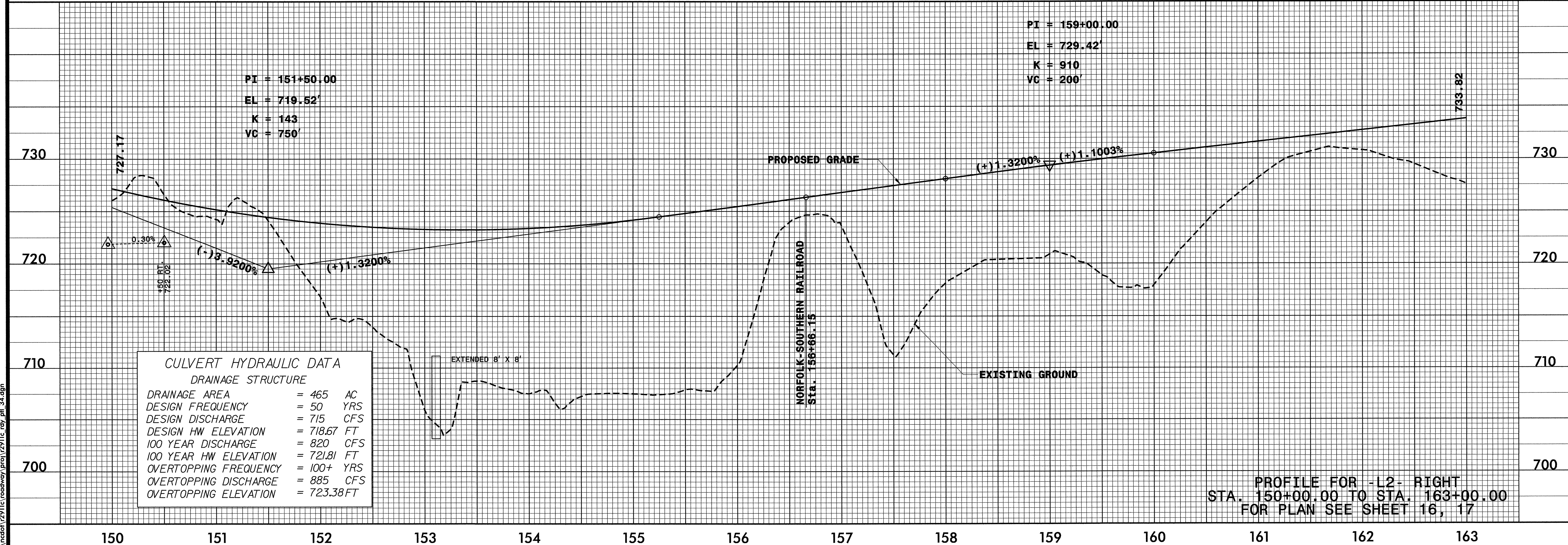
DRAINAGE AREA	= 10	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 34.5	CFS
DESIGN HW ELEVATION	= 718.2	FT
100 YEAR DISCHARGE	= 39.0	CFS
100 YEAR HW ELEVATION	= 718.5	FT
OVERTOPPING FREQUENCY	= +500	YRS
OVERTOPPING DISCHARGE	= +62.1	CFS
OVERTOPPING ELEVATION	= +721.5	FT

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE

DRAINAGE AREA	= 11.5	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 30.0	CFS
DESIGN HW ELEVATION	= 724.81	FT
100 YEAR DISCHARGE	= 34.7	CFS
100 YEAR HW ELEVATION	= 726.61	FT
OVERTOPPING FREQUENCY	= **50	YRS
OVERTOPPING DISCHARGE	= -30.0	CFS
OVERTOPPING ELEVATION	= +725.45	FT



PROFILE FOR -L2- LEFT
STA. 150+00.00 TO STA. 163+00.00
FOR PLAN SEE SHEET 16, 17



CULVERT HYDRAULIC DATA
DRAINAGE STRUCTURE

DRAINAGE AREA	= 465	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 715	CFS
DESIGN HW ELEVATION	= 718.67	FT
100 YEAR DISCHARGE	= 820	CFS
100 YEAR HW ELEVATION	= 721.81	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 885	CFS
OVERTOPPING ELEVATION	= 723.38	FT

PROFILE FOR -L2- RIGHT
STA. 150+00.00 TO STA. 163+00.00
FOR PLAN SEE SHEET 16, 17

DATE: 9/26/04
TIME: 2:29:04 PM
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