

5/14/99

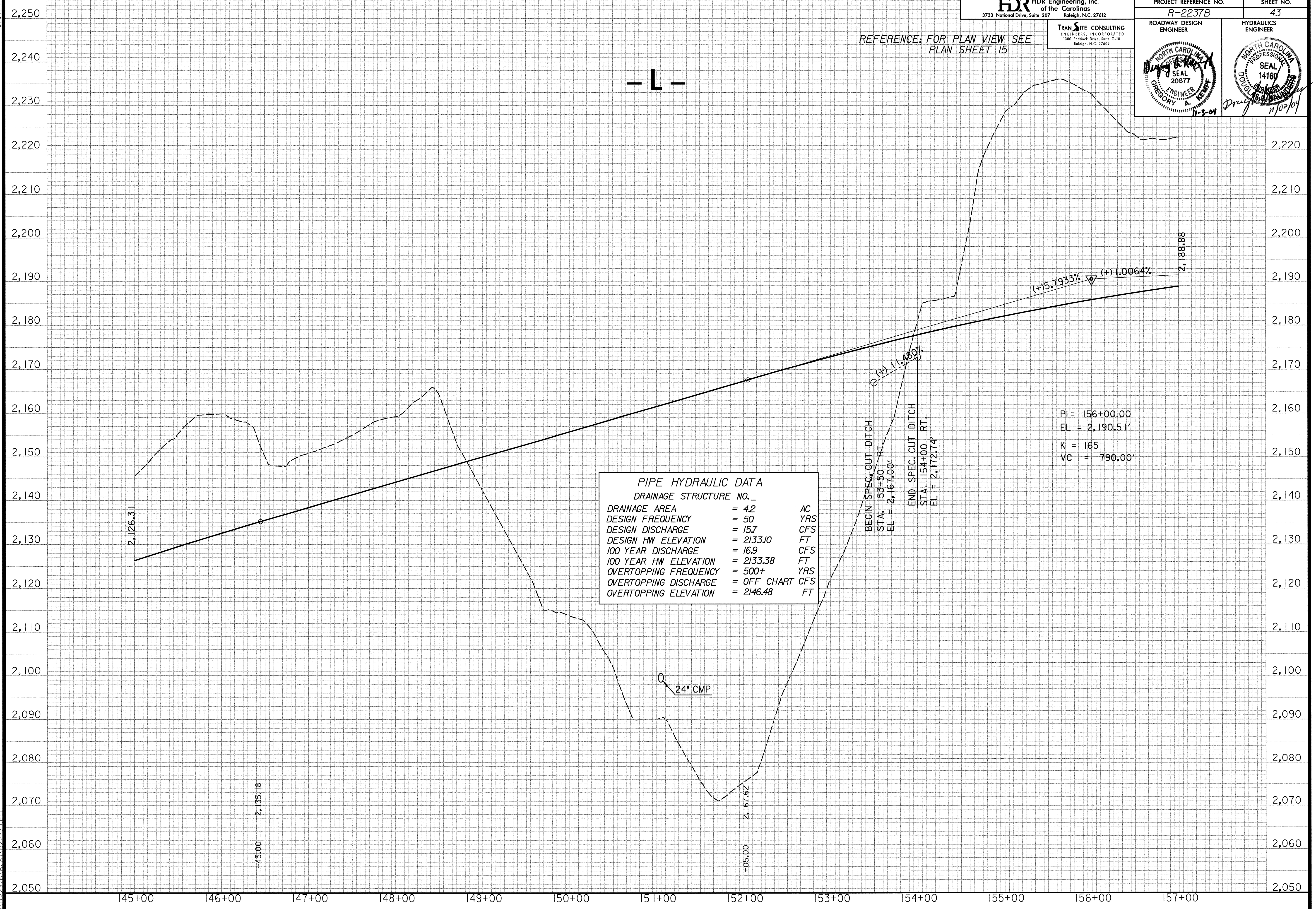
TRANSITE CONSULTING
ENGINEERS, INCORPORATED
1300 Parkwood Drive, Suite G-10
Raleigh, N.C. 27609

ROADWAY DESIGN ENGINEER
GREGORY A. KENNY
SEAL 20877
11-3-04

HYDRAULICS ENGINEER
DOUGLAS S. BAUMBERG
SEAL 14160
11/02/04

REFERENCE: FOR PLAN VIEW SEE
PLAN SHEET 15

- L -



PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO. _____

DRAINAGE AREA	= 4.2	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 15.7	CFS
DESIGN HW ELEVATION	= 2133.10	FT
100 YEAR DISCHARGE	= 16.9	CFS
100 YEAR HW ELEVATION	= 2133.38	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= OFF CHART	CFS
OVERTOPPING ELEVATION	= 2146.48	FT

BEGIN SPEC. CUT DITCH
STA. 153+50 RT.
EL = 2,167.00'

END SPEC. CUT DITCH
STA. 154+00 RT.
EL = 2,172.74'

PI = 156+00.00
EL = 2,190.51'
K = 165
VC = 790.00'

1/02/2004
2:24:26 PM
R:\B\2237B\Drawings\BR2237B.PE1