5/28/99

BM*1 = RR SPIKE SET IN BST DRIVE 70.69' RT OF ℄
STA 6+02.60, ELEV.=133.33', N 630683.6 E 2254202.4

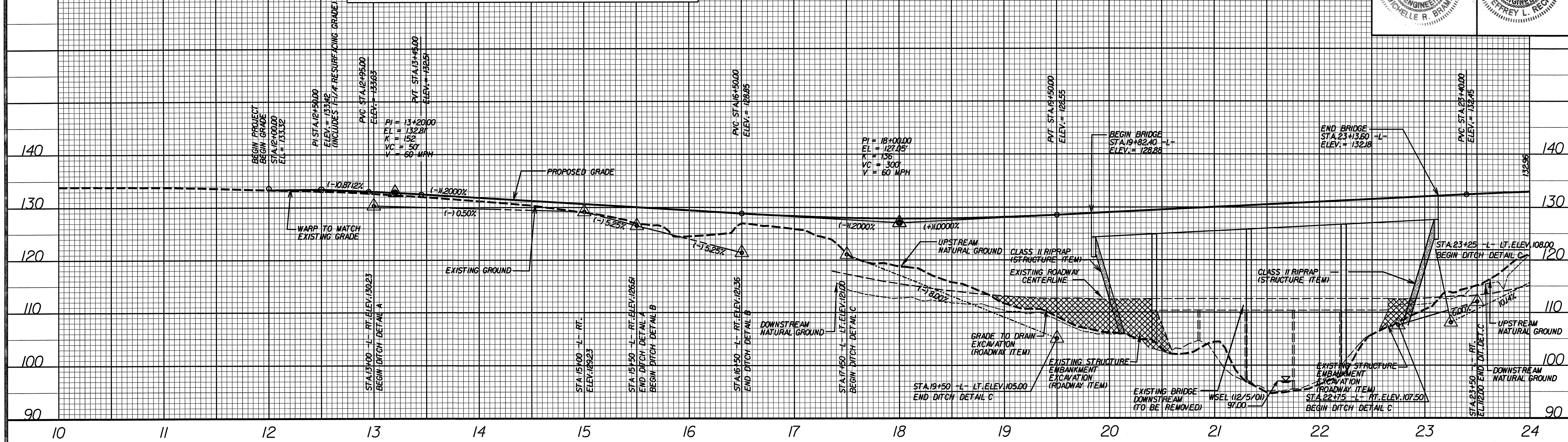
BM*2 = RR SPIKE SET IN 30" OAK 191.61' RT OF ℄
STA 15+51.13, ELEV.=102.66', N 631376.9 E 2254930.7

BM*3 = RR SPIKE SET IN 24" CHERRY 129.85' RT OF ℄
STA 24+29.99, ELEV.=133.50', N 632204.4 E 2255194.7

KCI Associates of North Carolina, P.A.
RALEIGH OFFICE
ENGINEERS ● PLANNERS ● ECOLOGISTS

SUITE 200, LANDMARK CENTER I
4601 SIX FORKS RD.
RALEIGH, N.C. 27609-5210
(919) 783-9214

PROJECT REFERENCE NO.	SHEET NO.
B-3865	6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 22761 ENGINEER MICHELLE R. BRAME (signed Michelle R. Brame 3/23/04)	NORTH CAROLINA PROFESSIONAL SEAL 026696 ENGINEER JEFFREY L. RECK (signed 3/23/04)

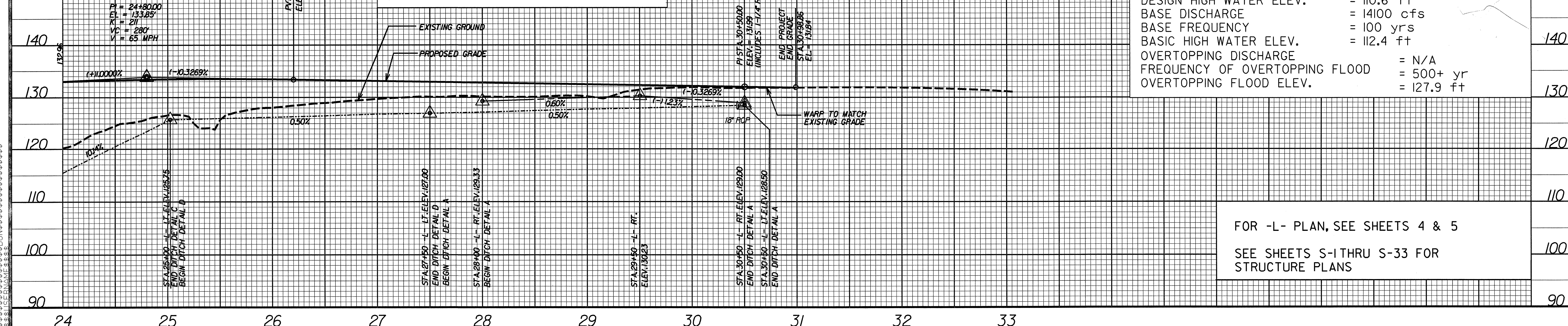


PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 8

DRAINAGE AREA	= 1.5 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 2.6 CFS
DESIGN HW ELEVATION	= 129.7 FT
100 YEAR DISCHARGE	= 3.2 CFS
100 YEAR HW ELEVATION	= 129.8 FT
OVERTOPPING FREQUENCY	= >500 YRS
OVERTOPPING DISCHARGE	= >4.8 CFS
OVERTOPPING ELEVATION	= 132.4 FT

BRIDGE #212 HYDRAULIC & OVERTOPPING DATA

DESIGN DISCHARGE	= 11200 cfs
DESIGN FREQUENCY	= 50 yrs.
DESIGN HIGH WATER ELEV.	= 110.6 ft
BASE DISCHARGE	= 14100 cfs
BASE FREQUENCY	= 100 yrs
BASIC HIGH WATER ELEV.	= 112.4 ft
OVERTOPPING DISCHARGE	= N/A
FREQUENCY OF OVERTOPPING FLOOD	= 500+ yr
OVERTOPPING FLOOD ELEV.	= 127.9 ft



FOR -L- PLAN, SEE SHEETS 4 & 5

SEE SHEETS S-1 THRU S-33 FOR STRUCTURE PLANS

$$$$SYSTIME$$$$ $$$$DGN$$$$ $$$$USERNAME$$$$