

BM\*1 = RR SPIKE SET IN 36" CYPRESS 33.6' RT OF B  
 STA 12+45.8, ELEV.=252.49', N 817615.9 E 2008603.7

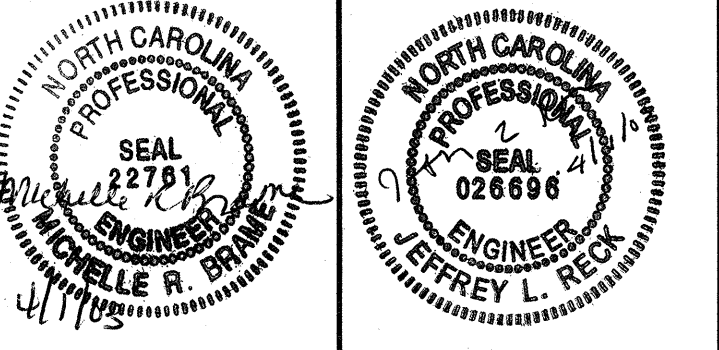
BM\*2 = RR SPIKE SET IN 24" PINE 38.2' RT OF B  
 STA 16+92.0, ELEV.=282.35', N 817869.1 E 2008971.1

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

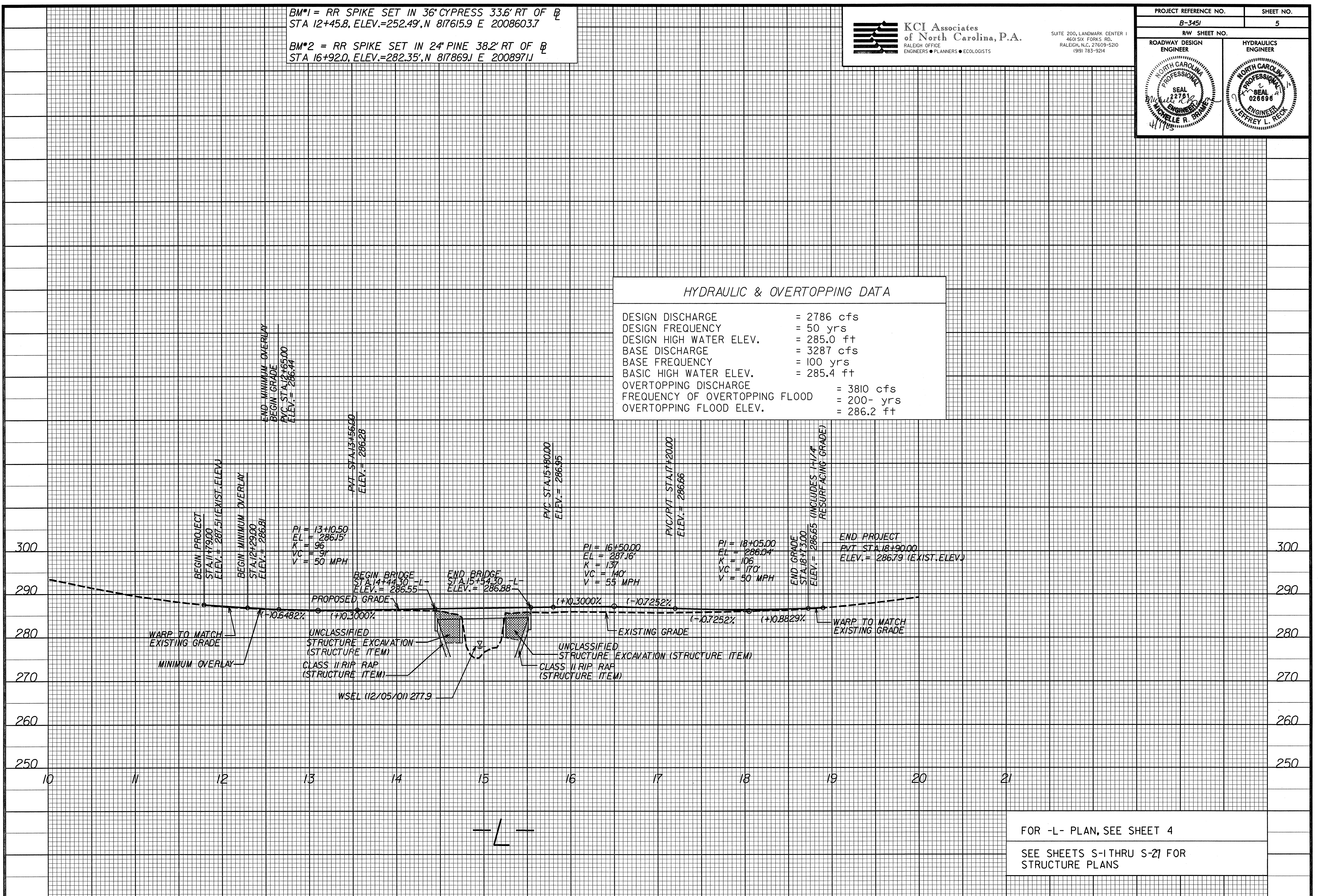
SUITE 200, LANDMARK CENTER I  
 460 SIX FORKS RD.  
 RALEIGH, N.C. 27609-5210  
 (919) 783-9244

PROJECT REFERENCE NO. SHEET NO.  
 B-3451 5

RW SHEET NO.  
 ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER



HYDRAULIC & OVERTOPPING DATA	
DESIGN DISCHARGE	= 2786 cfs
DESIGN FREQUENCY	= 50 yrs
DESIGN HIGH WATER ELEV.	= 285.0 ft
BASE DISCHARGE	= 3287 cfs
BASE FREQUENCY	= 100 yrs
BASIC HIGH WATER ELEV.	= 285.4 ft
OVERTOPPING DISCHARGE	= 3810 cfs
FREQUENCY OF OVERTOPPING FLOOD	= 200- yrs
OVERTOPPING FLOOD ELEV.	= 286.2 ft



FOR -L- PLAN, SEE SHEET 4  
 SEE SHEETS S-1 THRU S-21 FOR  
 STRUCTURE PLANS