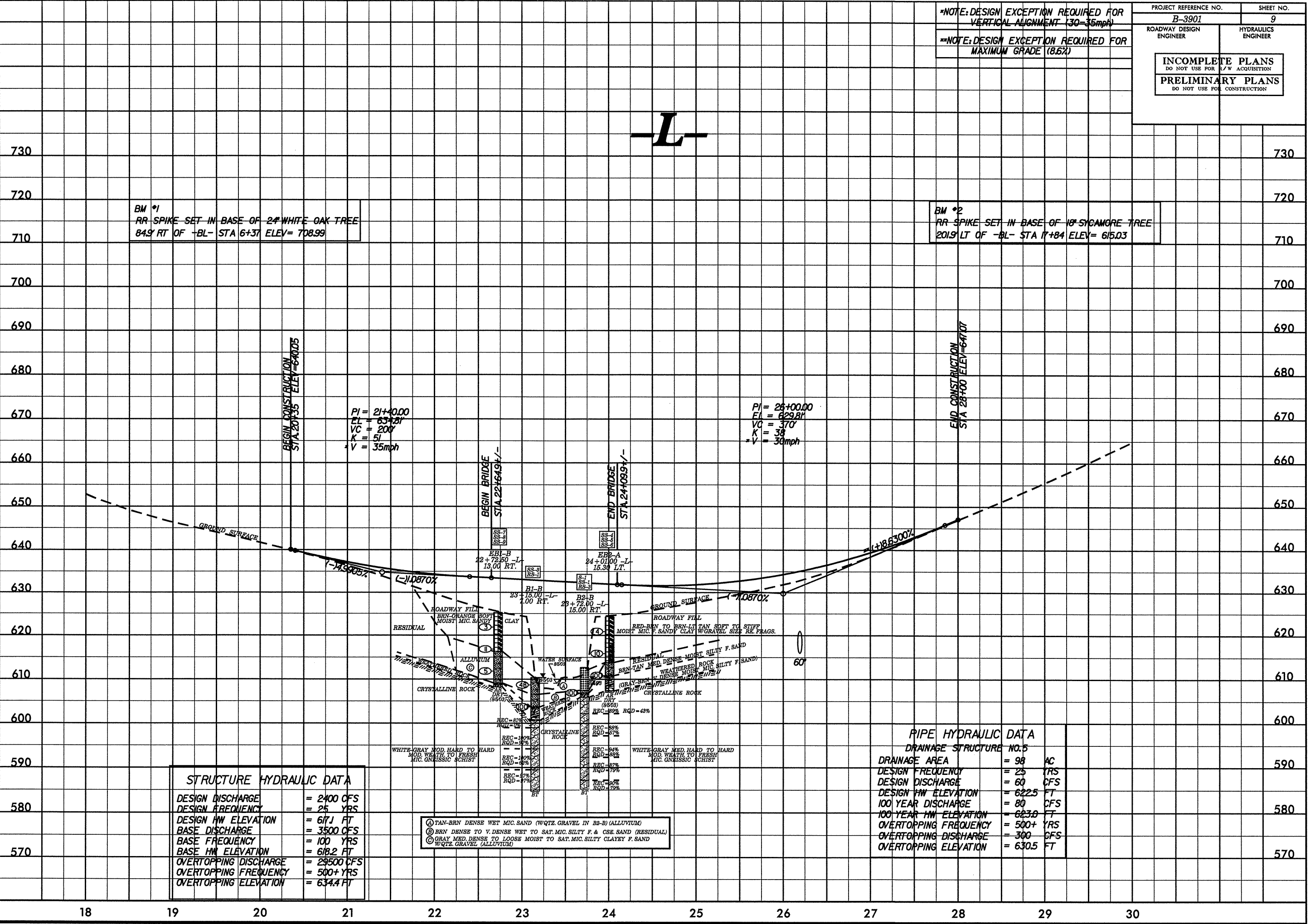


*NOTE: DESIGN EXCEPTION REQUIRED FOR VERTICAL ALIGNMENT (30=35mph)
 **NOTE: DESIGN EXCEPTION REQUIRED FOR MAXIMUM GRADE (8.6%)

L

BM #1
 RR SPIKE SET IN BASE OF 24" WHITE OAK TREE
 84.9 RT OF -BL- STA 6+37 ELEV= 708.99

BM #2
 RR SPIKE SET IN BASE OF 18" SYCAMORE TREE
 201.9 LT OF -BL- STA 17+84 ELEV= 615.03



STRUCTURE HYDRAULIC DATA	
DESIGN DISCHARGE	= 2400 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 617.1 FT
BASE DISCHARGE	= 3500 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 618.2 FT
OVERTOPPING DISCHARGE	= 29500 CFS
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING ELEVATION	= 634.4 FT

- Ⓐ TAN-BRN DENSE WET MIC. SAND (W/QTZ GRAVEL IN B2-B) (ALLUVIUM)
- Ⓑ BRN DENSE TO V. DENSE WET TO SAT. MIC. SILTY F. & CSE. SAND (RESIDUAL)
- Ⓒ GRAY MED. DENSE TO LOOSE MOIST TO SAT. MIC. SILTY CLAYEY F. SAND W/QTZ GRAVEL (ALLUVIUM)

RIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO. 5	
DRAINAGE AREA	= 98 AC
DESIGN FREQUENCY	= 25 YRS
DESIGN DISCHARGE	= 60 CFS
DESIGN HW ELEVATION	= 622.5 FT
100 YEAR DISCHARGE	= 80 CFS
100 YEAR HW ELEVATION	= 623.0 FT
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 300 CFS
OVERTOPPING ELEVATION	= 630.5 FT

5/14/99