5/14/99

PROJECT REFERENCE NO.	SHEET NO.
B-3839	5

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 25474 ENGINEER W. CRAIG LANE

W. Craig Lane 6-3-05

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 20754 ENGINEER T. STEPHENS

6/6/2005

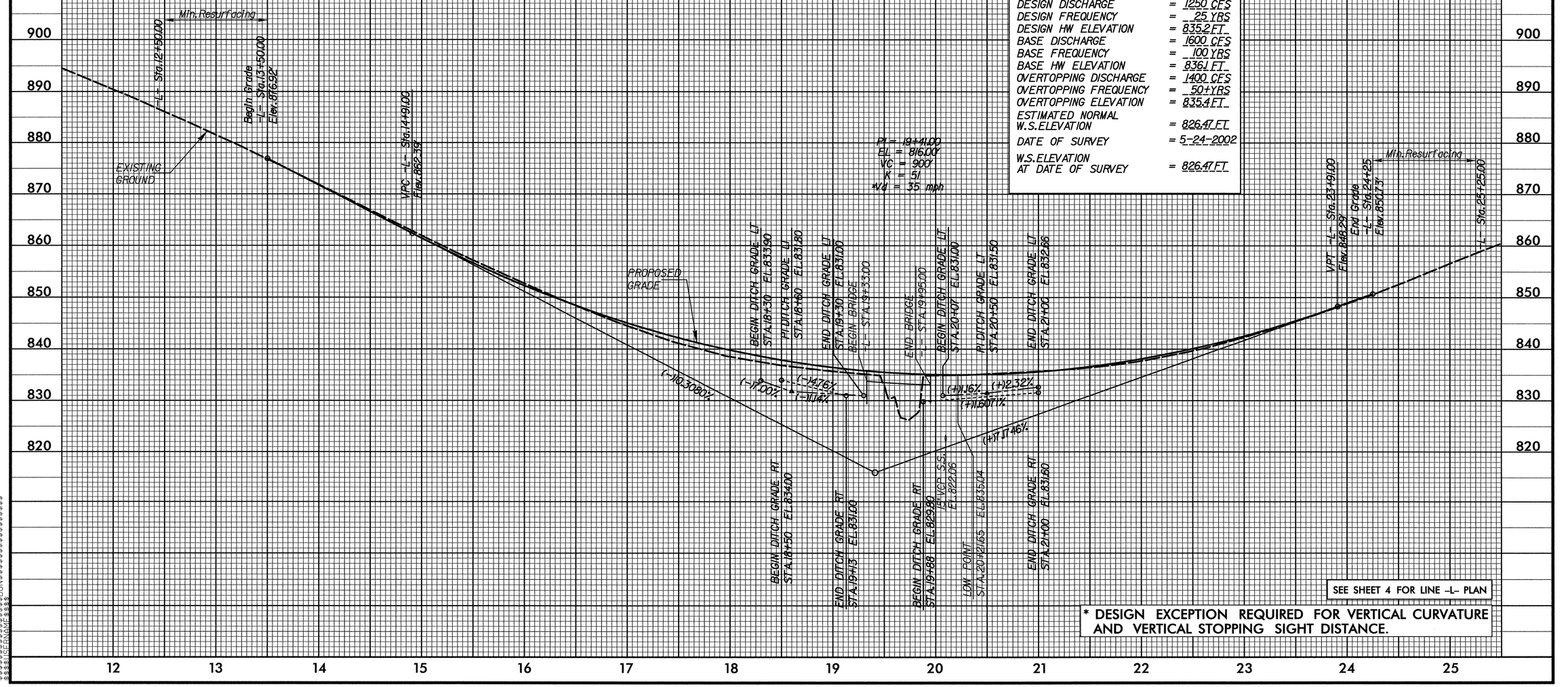
TGS ENGINEERS
975 WALNUT STREET, SUITE 141
CARY, NC 27511
PH (919) 319-8850

BM #1 ELEV.909.85'
RAILROAD SPIKE IN BASE OF 15" DBL PINE
29.59' LT OF –L– STA. 10+13.82

BM #2 ELEV.839.74'
RAILROAD SPIKE IN BASE OF 18" WHITE PINE
31.42' LT OF –L– STA. 22+80.05

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1250 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 835.2 FT.
BASE DISCHARGE	= 1600 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 836.1 FT.
OVERTOPPING DISCHARGE	= 1400 CFS
OVERTOPPING FREQUENCY	= 50+YRS
OVERTOPPING ELEVATION	= 835.4 FT.
ESTIMATED NORMAL W.S.ELEVATION	= 826.47 FT.
DATE OF SURVEY	= 5-24-2002
W.S.ELEVATION AT DATE OF SURVEY	= 826.47 FT.



SEE SHEET 4 FOR LINE –L– PLAN

* DESIGN EXCEPTION REQUIRED FOR VERTICAL CURVATURE AND VERTICAL STOPPING SIGHT DISTANCE.

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

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