PROJECT REFERENCE NO.	SHEET NO.
R-5130	116

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 12300 ENGINEER CHARLES LEE FLOWE 1/16/04

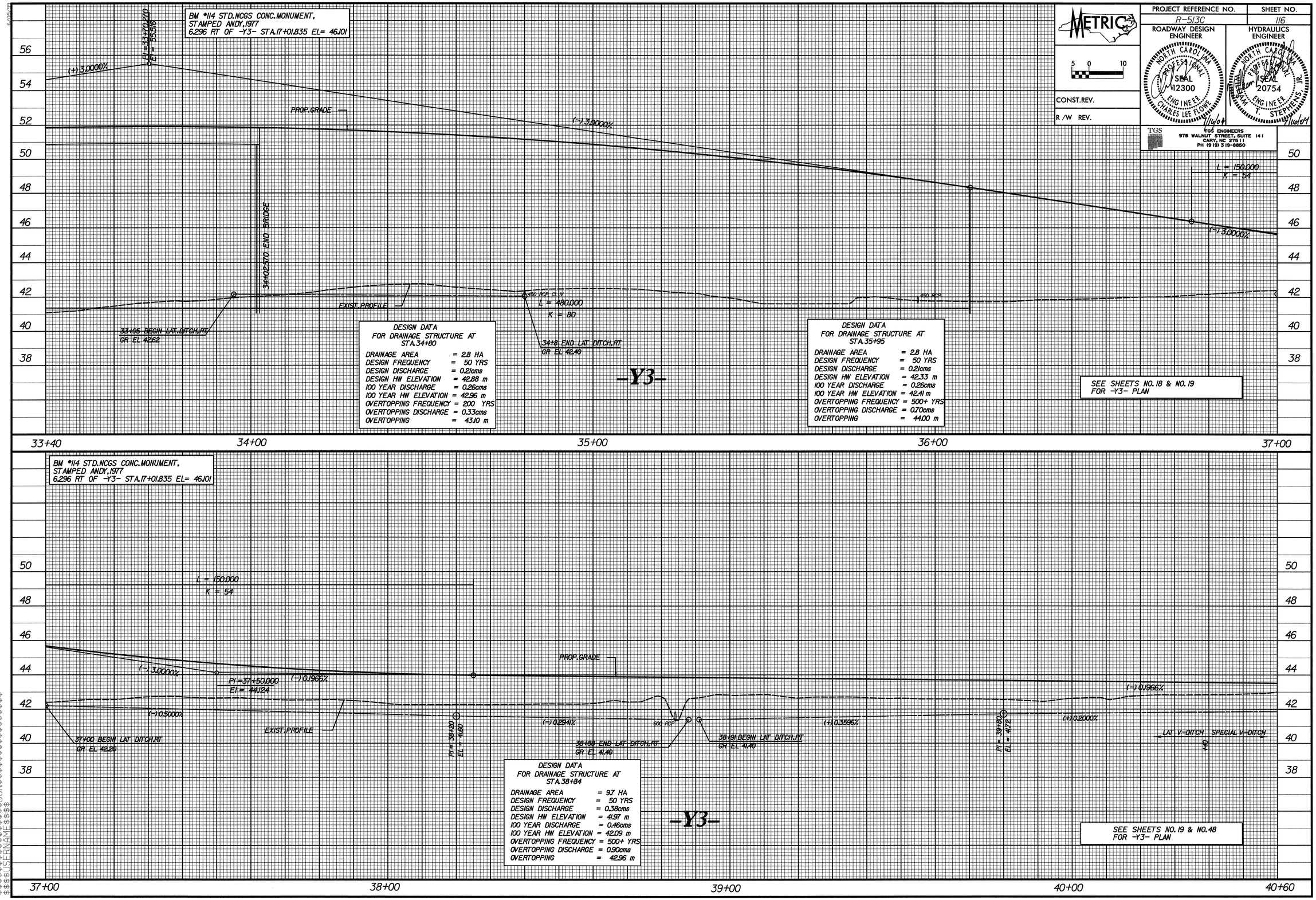
HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 20754 ENGINEER T. STEPHENS, JR. 1/16/04

METRIC 5 0 10

CONST.REV.

R/W REV.

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



DESIGN DATA
FOR DRAINAGE STRUCTURE AT
STA.34+80

DRAINAGE AREA	= 2.8 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.21cms
DESIGN HW ELEVATION	= 42.88 m
100 YEAR DISCHARGE	= 0.26cms
100 YEAR HW ELEVATION	= 42.96 m
OVERTOPPING FREQUENCY	= 200 YRS
OVERTOPPING DISCHARGE	= 0.33cms
OVERTOPPING	= 43.10 m

DESIGN DATA
FOR DRAINAGE STRUCTURE AT
STA.35+95

DRAINAGE AREA	= 2.8 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.21cms
DESIGN HW ELEVATION	= 42.33 m
100 YEAR DISCHARGE	= 0.26cms
100 YEAR HW ELEVATION	= 42.41 m
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 0.70cms
OVERTOPPING	= 44.00 m

DESIGN DATA
FOR DRAINAGE STRUCTURE AT
STA.38+84

DRAINAGE AREA	= 9.7 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.38cms
DESIGN HW ELEVATION	= 41.97 m
100 YEAR DISCHARGE	= 0.46cms
100 YEAR HW ELEVATION	= 42.09 m
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 0.90cms
OVERTOPPING	= 42.96 m

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

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