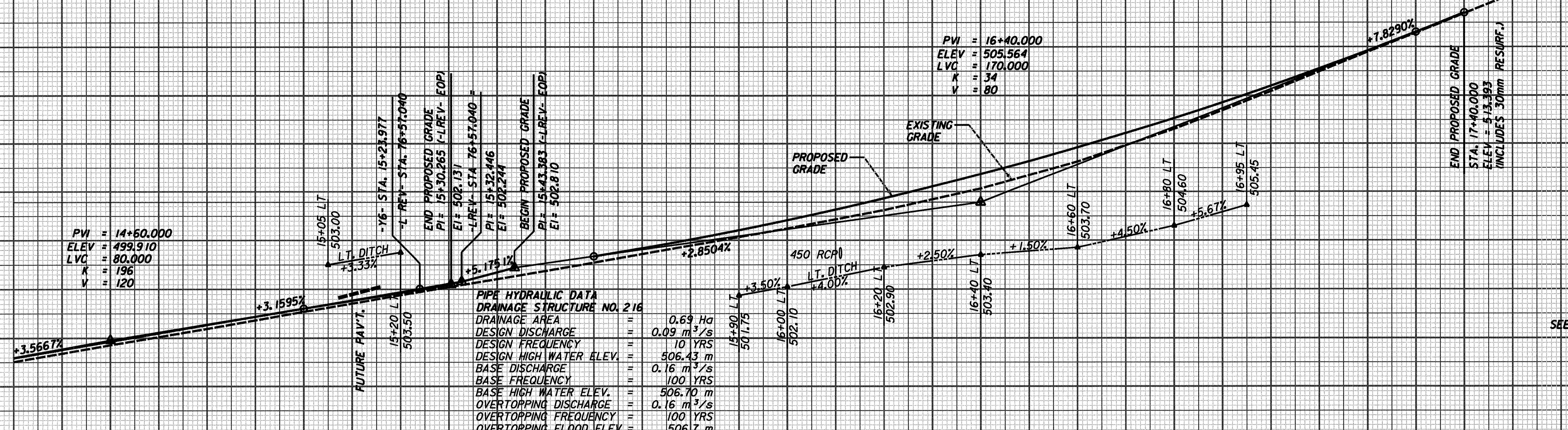




PROJECT REFERENCE NO. R-977A	SHEET NO. 57
HIGHWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 15759 STEPHEN C. BRODIE	NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 20337 THOMAS R. SCARLETT

BM*28 STANDARD DISK STAMPED "THEATER 1978"
SET IN THE TOP OF A 250 CONCRETE CYLINDER,
150 BELOW GROUND SURFACE AT
206.6m LT. OF -L- STA 78+02.976
ELEV. = 502.789



PVI = 14+50.000
ELEV = 499.910
LVC = 80.000
K = 196
V = 120

PVI = 16+40.000
ELEV = 505.564
LVC = 170.000
K = 34
V = 80

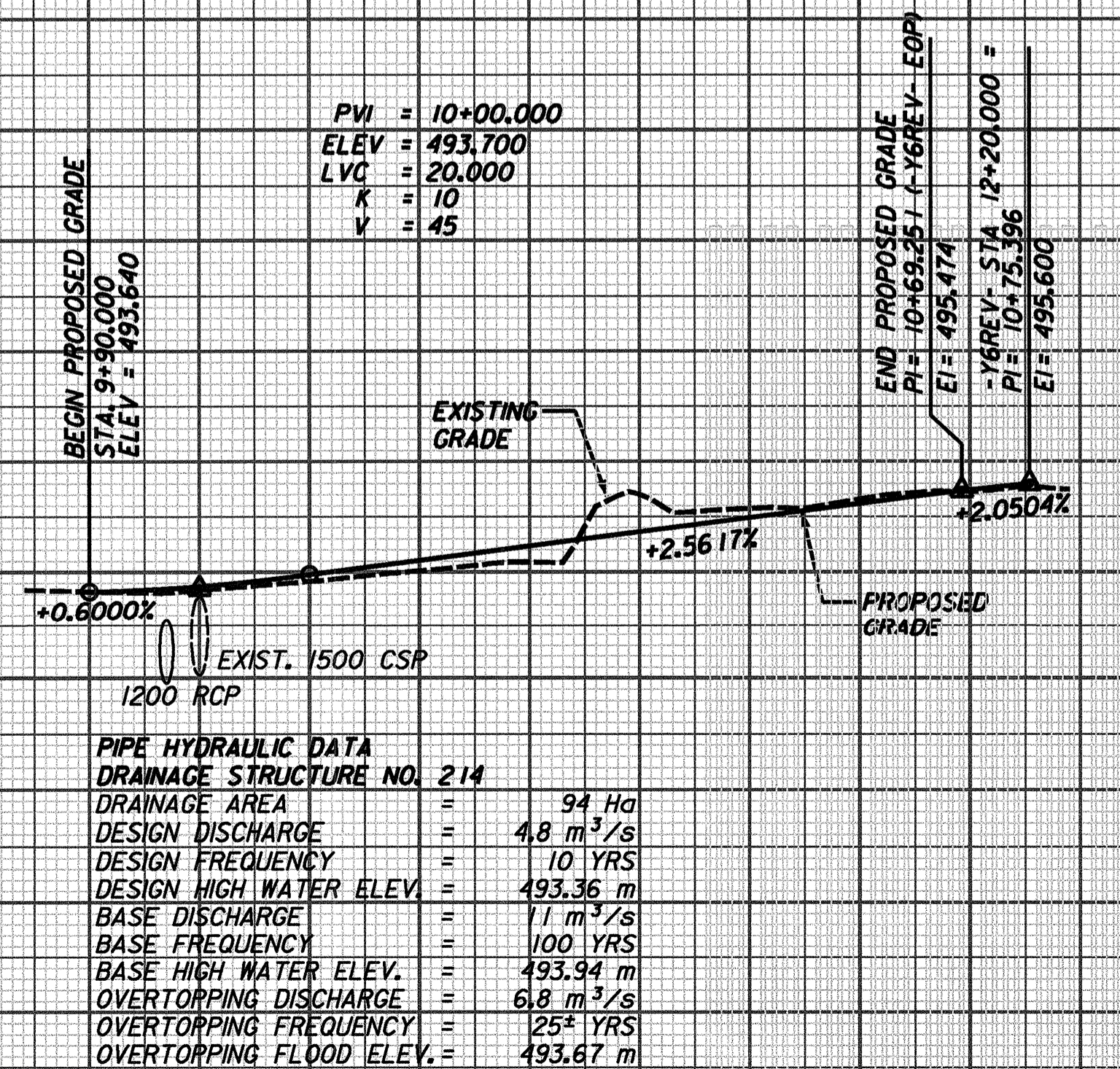
PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 216
DRAINAGE AREA = 0.69 Ha
DESIGN DISCHARGE = 0.09 m³/s
DESIGN FREQUENCY = 10 YRS
DESIGN HIGH WATER ELEV. = 506.43 m
BASE DISCHARGE = 0.16 m³/s
BASE FREQUENCY = 100 YRS
BASE HIGH WATER ELEV. = 506.70 m
OVERTOPPING DISCHARGE = 0.16 m³/s
OVERTOPPING FREQUENCY = 100 YRS
OVERTOPPING FLOOD ELEV. = 506.7 m

SEE SHEET 22 & 29 FOR -Y6- PLAN

-Y6-

14+50 15+00 15+50 16+00 16+50 17+00 17+50

PVI = 10+00.000
ELEV = 493.700
LVC = 20.000
K = 10
V = 45



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. 214
DRAINAGE AREA = 94 Ha
DESIGN DISCHARGE = 4.8 m³/s
DESIGN FREQUENCY = 10 YRS
DESIGN HIGH WATER ELEV. = 493.36 m
BASE DISCHARGE = 1.1 m³/s
BASE FREQUENCY = 100 YRS
BASE HIGH WATER ELEV. = 493.94 m
OVERTOPPING DISCHARGE = 6.8 m³/s
OVERTOPPING FREQUENCY = 25 YRS
OVERTOPPING FLOOD ELEV. = 493.67 m

SEE SHEET 28 FOR -Y10- PLAN

-Y10-

10+00 10+50 11+00 11+50 12+00 12+50 13+00

LOCHNER
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