

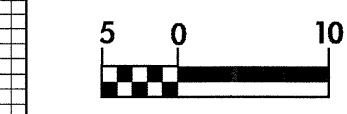
6-09-08

NC 42 -Y2DET-



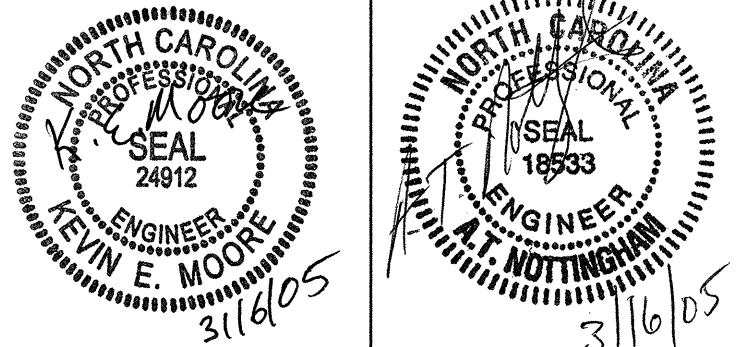
PROJECT REFERENCE NO. R-2552AB SHEET NO. 27

ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER



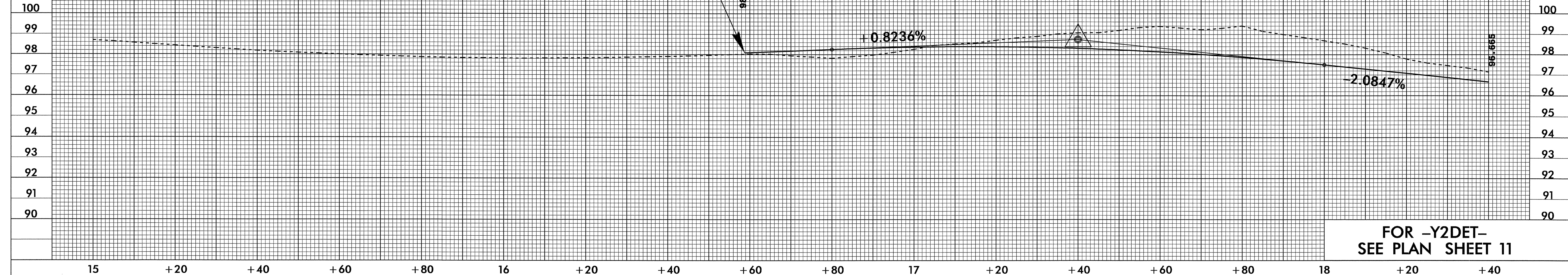
CONST. REV.

R/W REV.



PI = 17+40.000
EL = 98.750 m
VC = 120 m
K = 41
V = 90 KPH

BEGIN GRADE
-Y2DET- 16+58.776
EL. 98.081



FOR -Y2DET-
SEE PLAN SHEET 11

NC 42 -Y2DET-

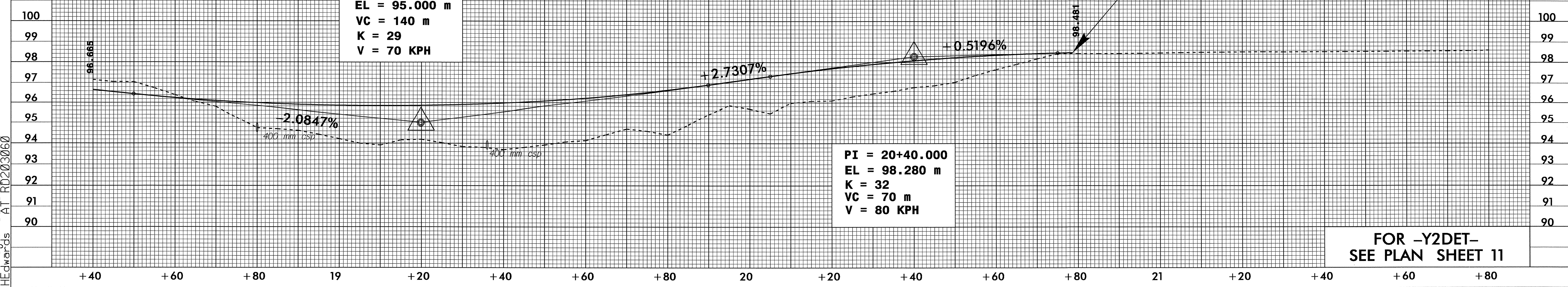
PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.157

DRAINAGE AREA = .42 HA
DESIGN FREQUENCY = 5 YRS
DESIGN DISCHARGE = 0.07 CMS
DESIGN HW ELEVATION = 95.410 M
100 YEAR DISCHARGE = 0.09 CMS
100 YEAR HW ELEVATION = 95.460 M
OVERTOPPING FREQUENCY = 200+ YRS
OVERTOPPING DISCHARGE = 0.12 CMS
OVERTOPPING ELEVATION = 95.500 M

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.159

DRAINAGE AREA = .06 HA
DESIGN FREQUENCY = 5 YRS
DESIGN DISCHARGE = 0.01 CMS
DESIGN HW ELEVATION = 94.380 M
100 YEAR DISCHARGE = 0.02 CMS
100 YEAR HW ELEVATION = 94.420 M
OVERTOPPING FREQUENCY = 500+ YRS
OVERTOPPING DISCHARGE = 0.7 CMS
OVERTOPPING ELEVATION = 95.750 M

PI = 19+19.884
EL = 95.000 m
VC = 140 m
K = 29
V = 70 KPH



END GRADE
-Y2DET- 20+78.680
EL. 98.481

PI = 20+40.000
EL = 98.280 m
K = 32
VC = 70 m
V = 80 KPH

FOR -Y2DET-
SEE PLAN SHEET 11

13-JAN-2005 11:07
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Hedwards A1 R0203060