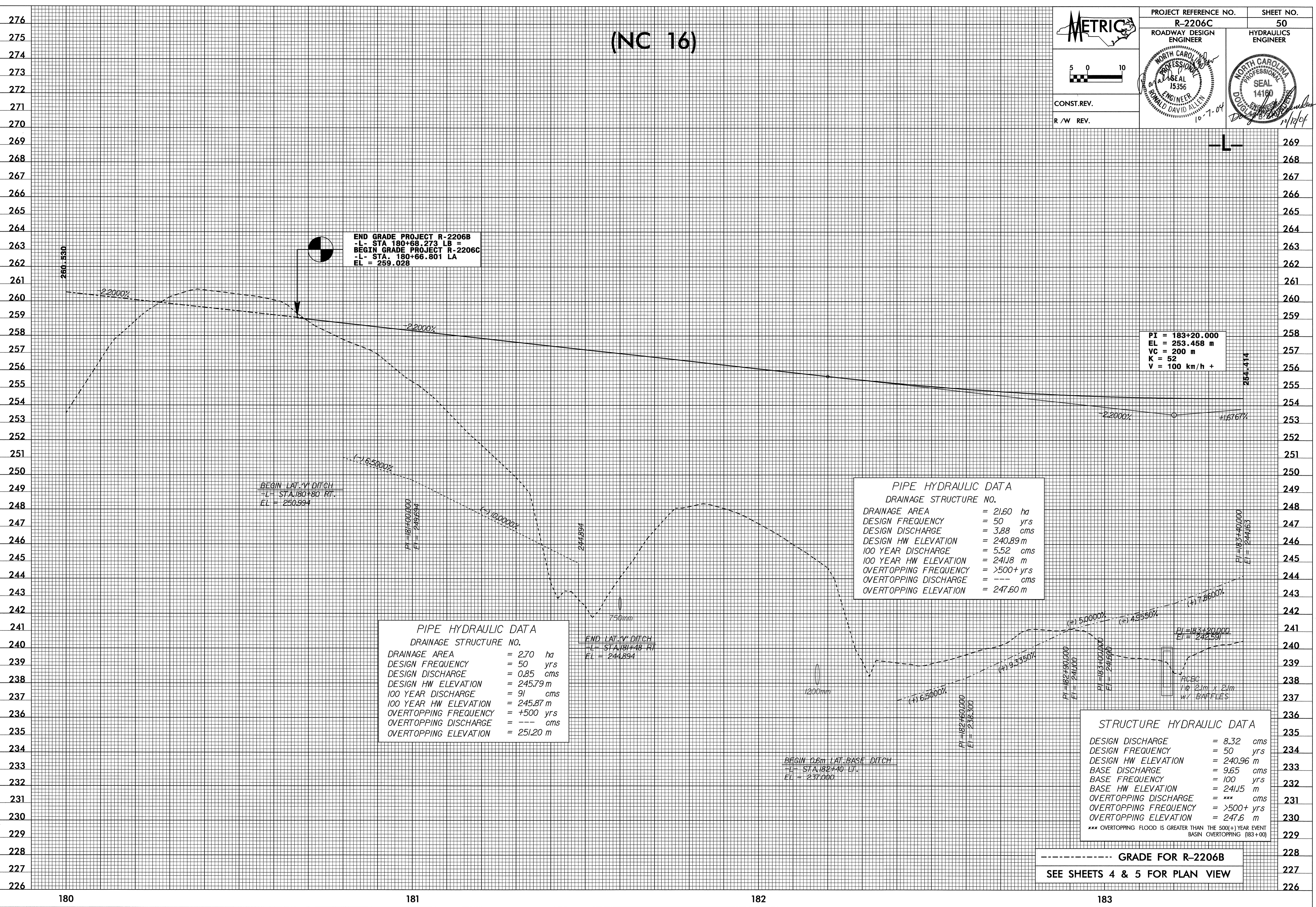


07-OCT-2004 09h
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 A: RD/2296/09ce-pf1



(NC 16)

 5 0 10 CONST.REV. R / W REV.	PROJECT REFERENCE NO. R-2206C	SHEET NO. 50
	ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER

END GRADE PROJECT R-2206B
 -L- STA. 180+68.273 LB =
BEGIN GRADE PROJECT R-2206C
 -L- STA. 180+66.801 LA
 EL = 259.028

PI = 183+20.000
 EL = 253.458 m
 VC = 200 m
 K = 52
 V = 100 km/h +

PIPE HYDRAULIC DATA
 DRAINAGE STRUCTURE NO. _____

DRAINAGE AREA	= 21.60 ha
DESIGN FREQUENCY	= 50 yrs
DESIGN DISCHARGE	= 3.88 cms
DESIGN HW ELEVATION	= 240.89 m
100 YEAR DISCHARGE	= 5.52 cms
100 YEAR HW ELEVATION	= 241.18 m
OVERTOPPING FREQUENCY	= >500+ yrs
OVERTOPPING DISCHARGE	= --- cms
OVERTOPPING ELEVATION	= 247.60 m

PIPE HYDRAULIC DATA
 DRAINAGE STRUCTURE NO. _____

DRAINAGE AREA	= 2.70 ha
DESIGN FREQUENCY	= 50 yrs
DESIGN DISCHARGE	= 0.85 cms
DESIGN HW ELEVATION	= 245.79 m
100 YEAR DISCHARGE	= 9l cms
100 YEAR HW ELEVATION	= 245.87 m
OVERTOPPING FREQUENCY	= +500 yrs
OVERTOPPING DISCHARGE	= --- cms
OVERTOPPING ELEVATION	= 251.20 m

STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE	= 8.32 cms
DESIGN FREQUENCY	= 50 yrs
DESIGN HW ELEVATION	= 240.96 m
BASE DISCHARGE	= 9.65 cms
BASE FREQUENCY	= 100 yrs
BASE HW ELEVATION	= 241.15 m
OVERTOPPING DISCHARGE	= *** cms
OVERTOPPING FREQUENCY	= >500+ yrs
OVERTOPPING ELEVATION	= 247.6 m

*** OVERTOPPING FLOOD IS GREATER THAN THE 500(+)-YEAR EVENT BASIN OVERTOPPING (183+00)

----- GRADE FOR R-2206B
 SEE SHEETS 4 & 5 FOR PLAN VIEW