

5/14/19

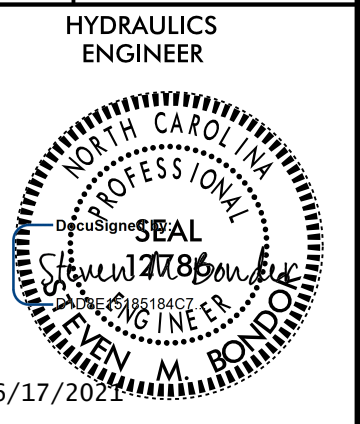
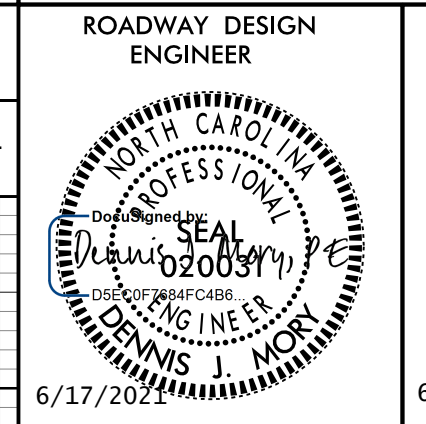


2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9299
NC COA No. F-09251

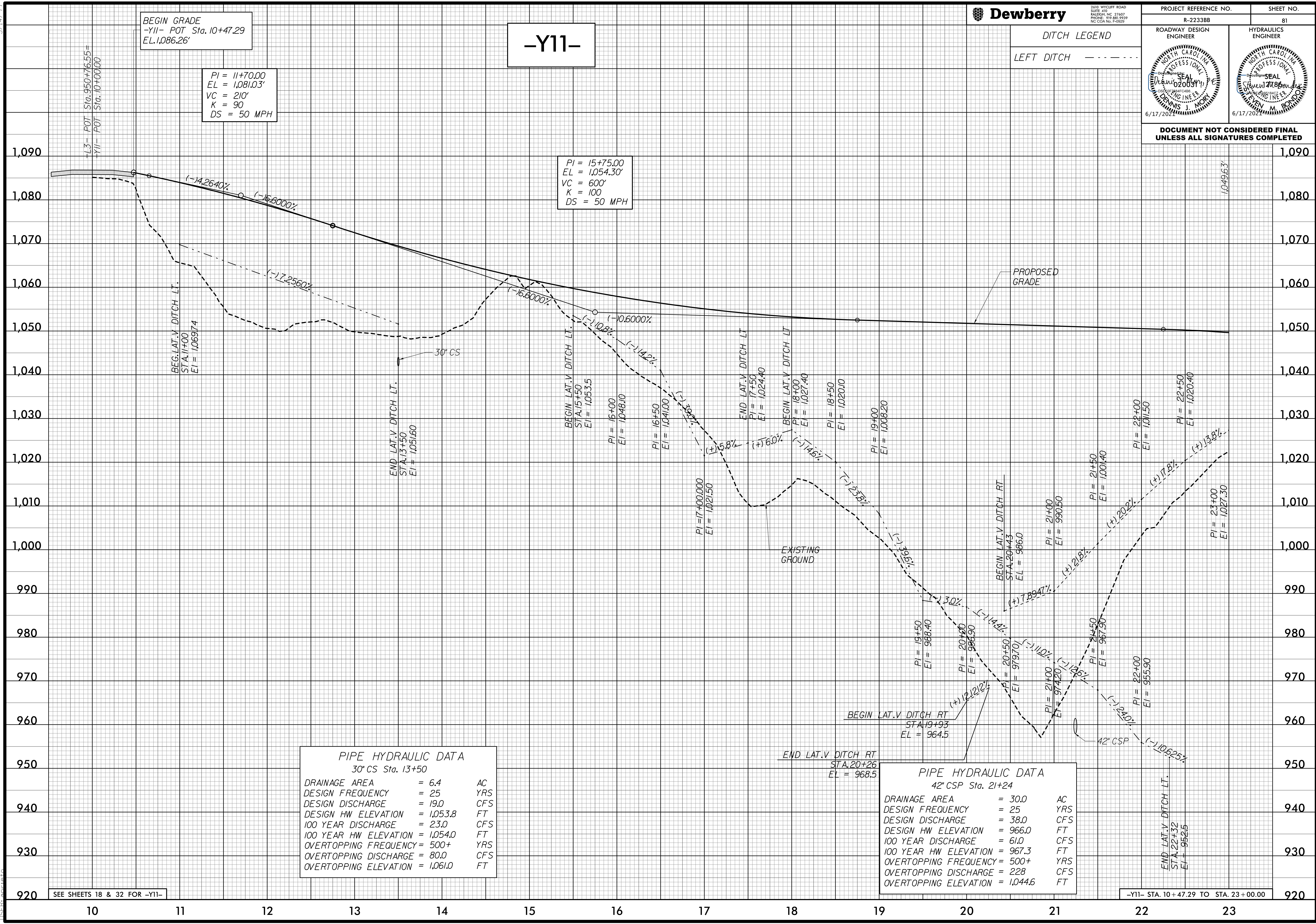
PROJECT REFERENCE NO.
R-2233BB

SHEET NO.
81

DITCH LEGEND
LEFT DITCH - - - - -



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



BEGIN GRADE
-Y11- POT Sta. 10+47.29
EL. 1,086.26'

PI = 11+70.00
EL = 1,081.03'
VC = 210'
K = 90
DS = 50 MPH

-Y11-

PI = 15+75.00
EL = 1,054.30'
VC = 600'
K = 100
DS = 50 MPH

PIPE HYDRAULIC DATA
30" CS Sta. 13+50

DRAINAGE AREA	= 6.4	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 19.0	CFS
DESIGN HW ELEVATION	= 1,053.8	FT
100 YEAR DISCHARGE	= 23.0	CFS
100 YEAR HW ELEVATION	= 1,054.0	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 80.0	CFS
OVERTOPPING ELEVATION	= 1,061.0	FT

PIPE HYDRAULIC DATA
42" CSP Sta. 21+24

DRAINAGE AREA	= 30.0	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 38.0	CFS
DESIGN HW ELEVATION	= 966.0	FT
100 YEAR DISCHARGE	= 61.0	CFS
100 YEAR HW ELEVATION	= 967.3	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 228	CFS
OVERTOPPING ELEVATION	= 1,044.6	FT

SEE SHEETS 18 & 32 FOR -Y11-

-Y11- STA. 10+47.29 TO STA. 23+00.00

4/24/2020 4:09:47 PM
R:\2233BB\DWG_PFL\81.DGN
TSEB