

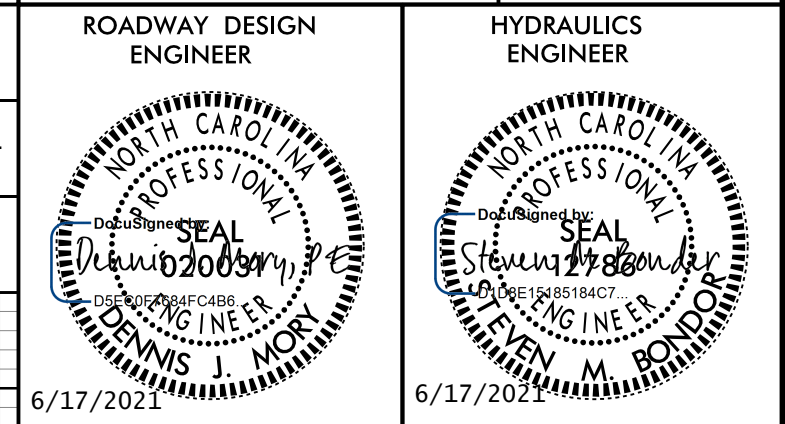
5/14/19



2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27601  
PHONE: 919.881.9299  
NC COA No. F-09251

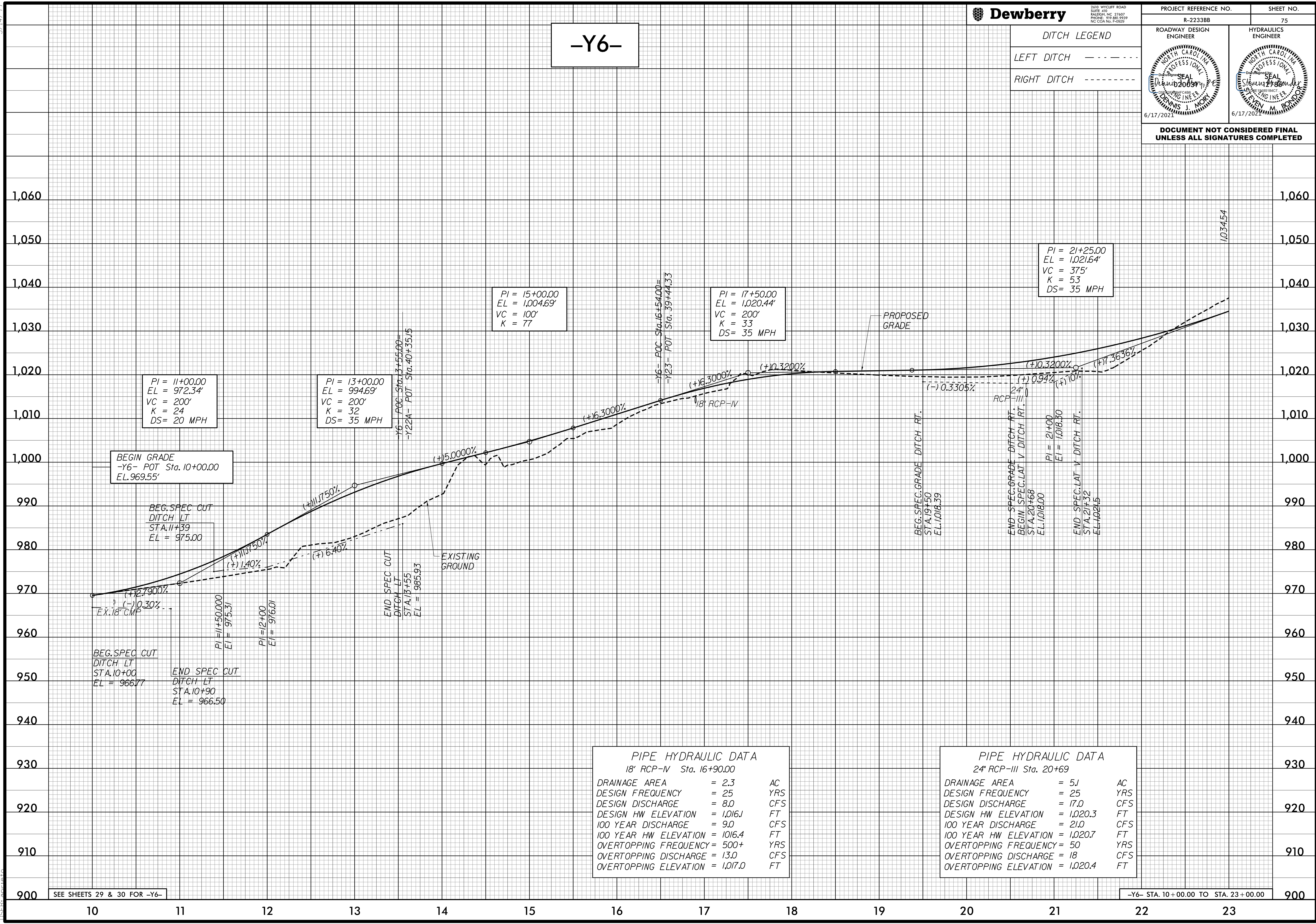
PROJECT REFERENCE NO. R-2233BB  
SHEET NO. 75

DITCH LEGEND  
LEFT DITCH - - - - -  
RIGHT DITCH - - - - -



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

-Y6-



PI = 11+00.00  
EL = 972.34'  
VC = 200'  
K = 24  
DS = 20 MPH

PI = 13+00.00  
EL = 994.69'  
VC = 200'  
K = 32  
DS = 35 MPH

PI = 15+00.00  
EL = 1,004.69'  
VC = 100'  
K = 77

PI = 17+50.00  
EL = 1,020.44'  
VC = 200'  
K = 33  
DS = 35 MPH

PI = 21+25.00  
EL = 1,021.64'  
VC = 375'  
K = 53  
DS = 35 MPH

BEGIN GRADE  
-Y6- POT Sta. 10+00.00  
EL. 969.55'

BEG. SPEC CUT  
DITCH LT  
STA. 11+39  
EL = 975.00

BEG. SPEC CUT  
DITCH LT  
STA. 10+00  
EL = 966.77

END SPEC CUT  
DITCH LT  
STA. 10+90  
EL = 966.50

END SPEC CUT  
DITCH LT  
STA. 13+55  
EL = 985.93

BEG. SPEC. GRADE DITCH RT.  
STA. 19+50  
EL. 1018.39

END SPEC. GRADE DITCH RT.  
STA. 20+68  
EL. 1016.00

END SPEC. LAT. V. DITCH RT.  
STA. 21+32  
EL. 1021.5

PIPE HYDRAULIC DATA  
18" RCP-IV Sta. 16+90.00

DRAINAGE AREA	= 2.3	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 8.0	CFS
DESIGN HW ELEVATION	= 1,016.1	FT
100 YEAR DISCHARGE	= 9.0	CFS
100 YEAR HW ELEVATION	= 1016.4	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 13.0	CFS
OVERTOPPING ELEVATION	= 1,017.0	FT

PIPE HYDRAULIC DATA  
24" RCP-III Sta. 20+69

DRAINAGE AREA	= 5.1	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 17.0	CFS
DESIGN HW ELEVATION	= 1,020.3	FT
100 YEAR DISCHARGE	= 21.0	CFS
100 YEAR HW ELEVATION	= 1,020.7	FT
OVERTOPPING FREQUENCY	= 50	YRS
OVERTOPPING DISCHARGE	= 18	CFS
OVERTOPPING ELEVATION	= 1,020.4	FT

SEE SHEETS 29 & 30 FOR -Y6-

-Y6- STA. 10+00.00 TO STA. 23+00.00

4/24/2020 4:49:01 PM  
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USER: jmorris