

BP12-R002

EC-9 CONST. 4

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
CLEVELAND COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

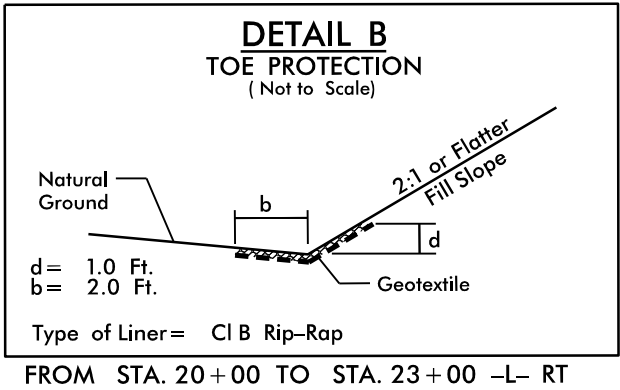
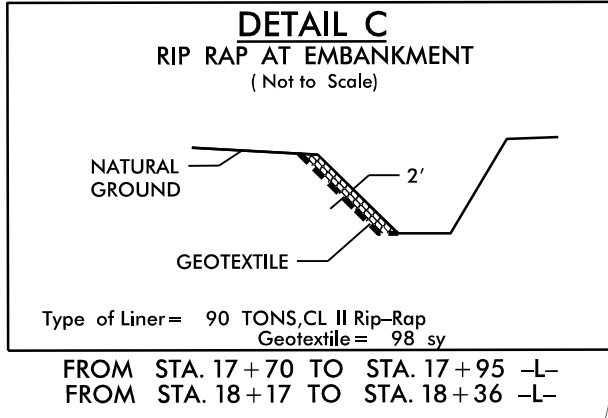
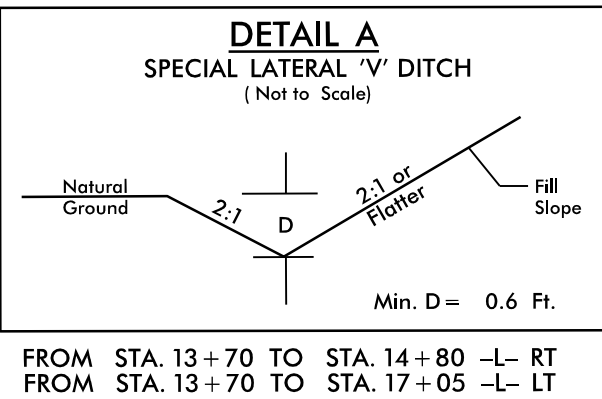
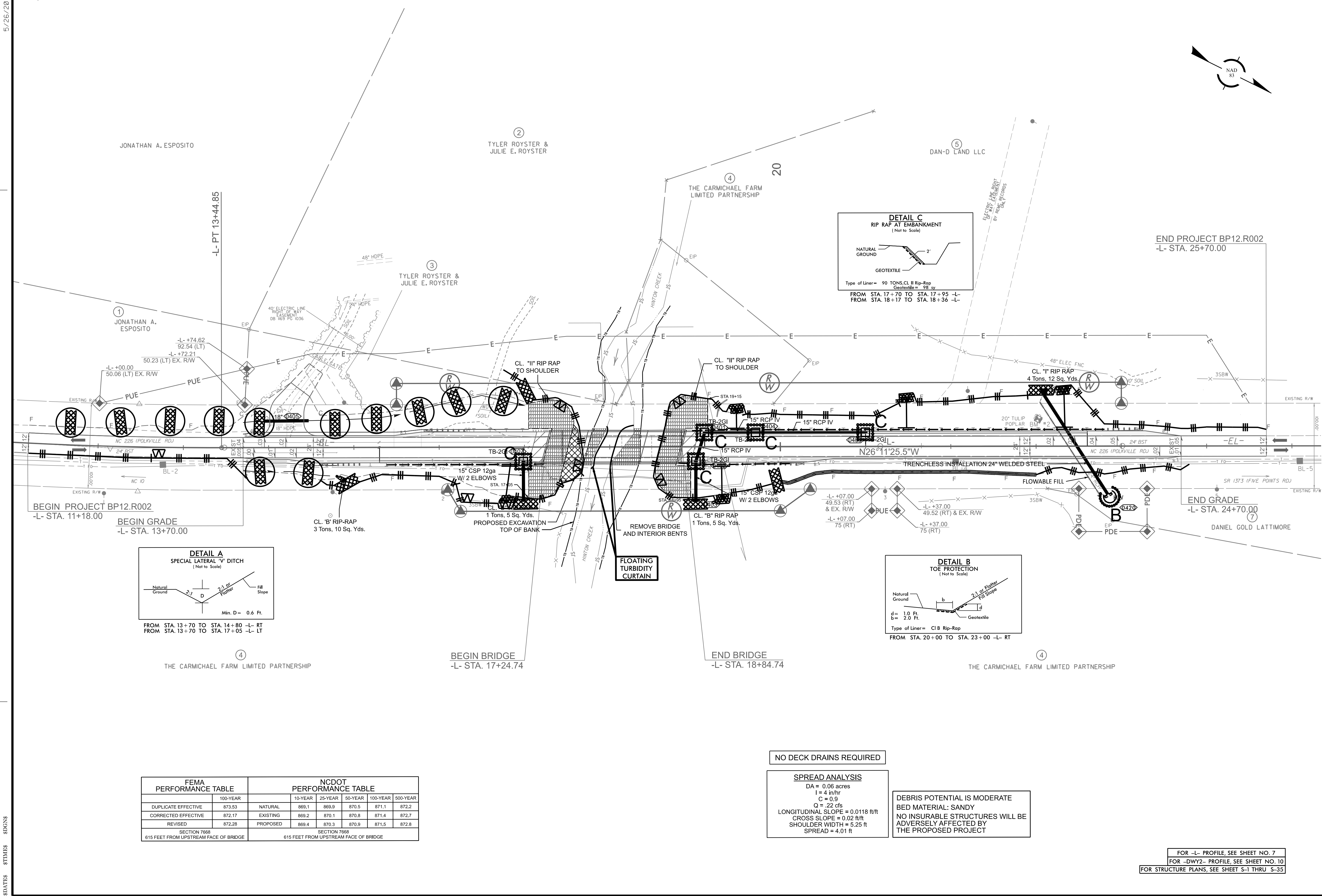
PREPARED BY

WETHERILL
ENGINEERING

WE Design your Tomorrow ...

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Raleigh, NC 27606
(919) 851-8077

NC License F-0377



FEMA PERFORMANCE TABLE		NCDOT PERFORMANCE TABLE						
	100-YEAR	NATURAL	10-YEAR	25-YEAR	50-YEAR	100-YEAR	500-YEAR	
DUPLICATE EFFECTIVE	873.53		869.1	869.9	870.5	871.1	872.2	
CORRECTED EFFECTIVE	872.17	EXISTING	869.2	870.1	870.8	871.4	872.7	
REVISED	872.28	PROPOSED	869.4	870.3	870.9	871.5	872.8	
SECTION 7668 615 FEET FROM UPSTREAM FACE OF BRIDGE		SECTION 7668 615 FEET FROM UPSTREAM FACE OF BRIDGE						

NO DECK DRAINS REQUIRED

SPREAD ANALYSIS
DA = 0.06 acres
I = 4 in/hr
C = 0.9
Q = .22 cfs
LONGITUDINAL SLOPE = 0.0118 ft/ft
CROSS SLOPE = 0.02 ft/ft
SHOULDER WIDTH = 5.25 ft
SPREAD = 4.01 ft

DEBRIS POTENTIAL IS MODERATE
BED MATERIAL: SANDY
NO INSURABLE STRUCTURES WILL BE
ADVERSELY AFFECTED BY
THE PROPOSED PROJECT

FOR -L- PROFILE, SEE SHEET NO. 7
FOR -DWY2- PROFILE, SEE SHEET NO. 10
FOR STRUCTURE PLANS, SEE SHEET S-1 THRU S-35