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PROJECT REFERENCE NO.	SHEET NO.
U-3615B	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 022999 ENGINEER CRAIG S. PURVIS

NORTH CAROLINA PROFESSIONAL SEAL 012575 ENGINEER Paul F. Fisher

WETHERILL ENGINEERING
559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

8/17/99

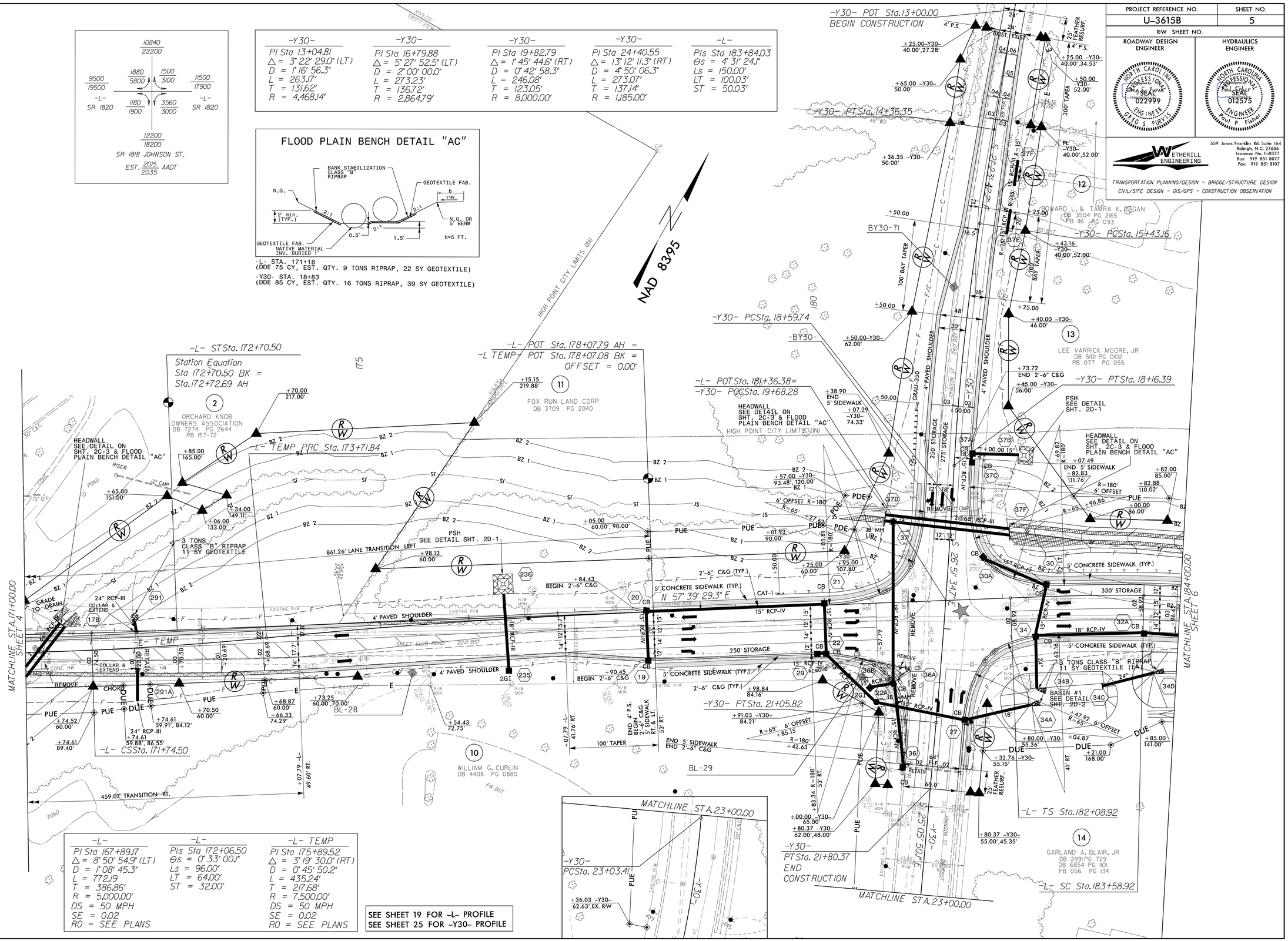
REVISIONS

-Y30-	-Y30-	-Y30-	-Y30-	-L-
PI Sta 13+04.81	PI Sta 16+79.88	PI Sta 19+82.79	PI Sta 24+40.55	PIs Sta 183+84.03
Δ = 3° 22' 29.0" (LT)	Δ = 5° 27' 52.5" (LT)	Δ = 1° 45' 44.6" (RT)	Δ = 13° 12' 11.3" (RT)	Θs = 4° 31' 24.1"
D = 1° 16' 56.3"	D = 2° 00' 00.0"	D = 0° 42' 58.3"	D = 4° 50' 06.3"	Ls = 150.00'
L = 263.17'	L = 273.23'	L = 246.08'	L = 273.07'	LT = 100.03'
T = 131.62'	T = 136.72'	T = 123.05'	T = 137.14'	ST = 50.03'
R = 4,468.14'	R = 2,864.79'	R = 8,000.00'	R = 1,185.00'	

FLOOD PLAIN BENCH DETAIL "AC"

-L- STA. 171+18
(DDE 75 CY, EST. QTY. 9 TONS RIPRAP, 22 SY GEOTEXTILE)

-Y30- STA. 18+83
(DDE 85 CY, EST. QTY. 16 TONS RIPRAP, 39 SY GEOTEXTILE)



-L-	-L-	-L- TEMP
PI Sta 167+89.17	PIs Sta 172+06.50	PI Sta 175+89.52
Δ = 8° 50' 54.9" (LT)	Θs = 0° 33' 00.1"	Δ = 3° 19' 30.0" (RT)
D = 1° 08' 45.3"	Ls = 96.00'	D = 0° 45' 50.2"
L = 772.19	LT = 64.00'	L = 435.24'
T = 386.86'	ST = 32.00'	T = 217.68'
R = 5,000.00'		R = 7,500.00'
DS = 50 MPH		DS = 50 MPH
SE = 0.02		SE = 0.02
R0 = SEE PLANS		R0 = SEE PLANS

SEE SHEET 19 FOR -L- PROFILE
SEE SHEET 25 FOR -Y30- PROFILE