5/14/99

PROJECT REFERENCE NO.	SHEET NO.
W-5107	U06
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

ARCADIS
C & M of North Carolina, Inc.
WWW.ARCADIS-US.COM
801 Corporate Center Drive, Suite 300
Raleigh, NC 27607-5073
Tel: 919/854-1282 Fax: 919/854-5448 NC License No. C-1859

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15401 Weston Parkway Suite 100
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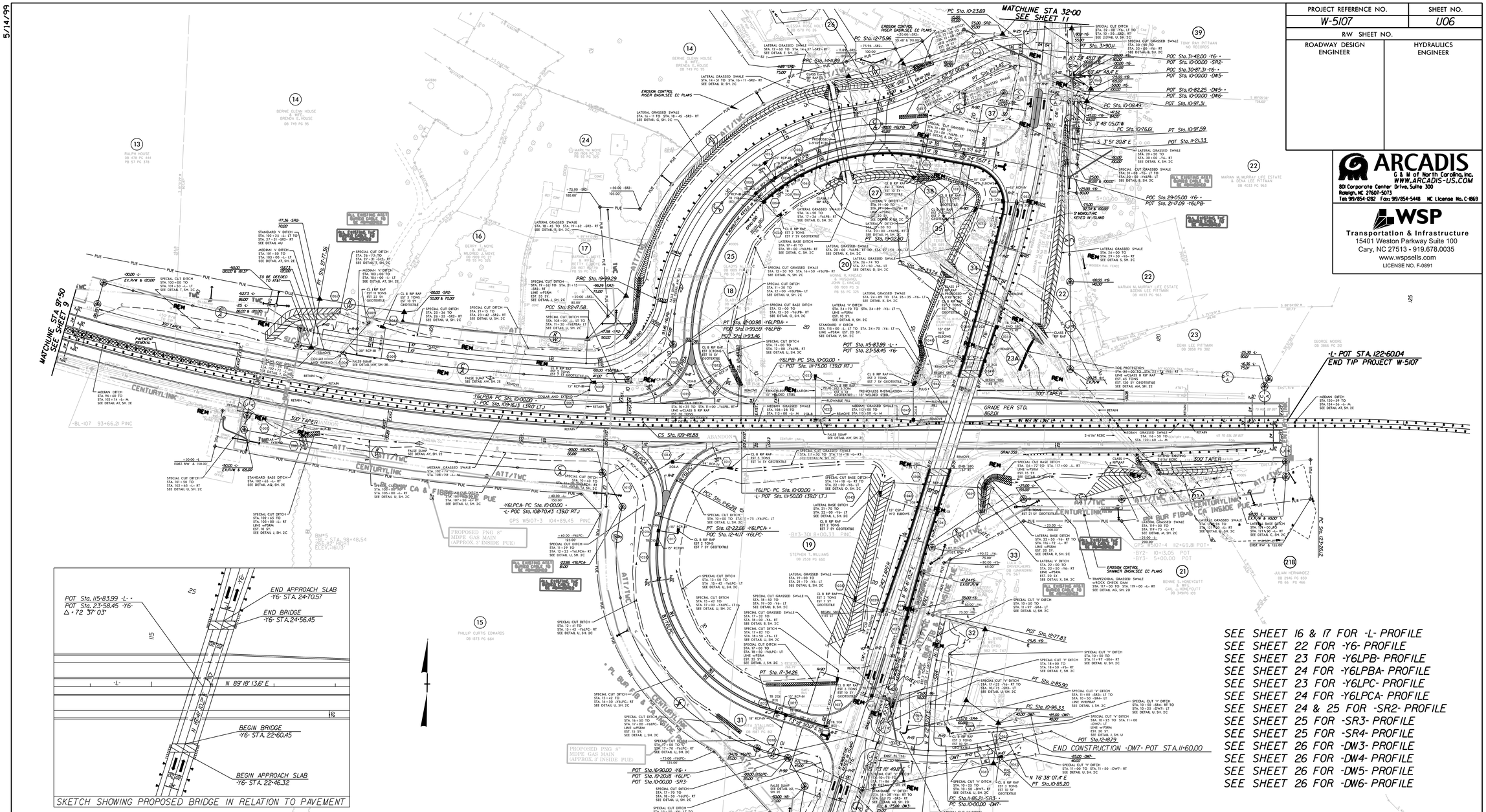
LICENSE NO. F-0891



-SR3-
PI Sta. 11+15.5
Δ = 19° 12' 09.5" (LT)
D = 12° 43' 56.8"
L = 150.82'
T = 76.12'
R = 450.00'
DS = <15 MPH

-DW6	
PI Sta. 10+13.27	PI Sta. 10+87.12
Δ = 12° 39' 37.3" (LT)	Δ = 8° 20' 46.3" (LT)
D = 229.10' 59.2"	D = 38° 11' 49.9"
L = 9.49'	L = 20.98'
T = 4.73'	T = 10.51'
R = 25.00'	R = 150.00'
DS = < 15 MPH	DS = < 15 MPH

-SR4-
PI Sta. 11+40.72
Δ = 9° 26' 04.4" (RT)
D = 10° 25' 02.7"
L = 90.57'
T = 45.39'
R = 550.00'
DS = <15 MPH

-DW7-
PI Sta. 10+42.73
Δ = 10° 50' 53.3" (LT)
D = 12° 43' 56.8"
L = 85.20'
T = 42.73'
R = 450.00'
DS = <15 MPH

-Y6LPC-	
PI Sta. 10+89.43	PI Sta. 15+55.82
Δ = 6° 36' 32.2" (LT)	Δ = 12° 00' 42.5" (LT)
D = 38° 11' 49.9"	D = 17° 37' 46.1"
L = 152.28'	L = 572.39'
T = 89.43'	T = 394.14'
R = 150.00'	R = 325.00'
DS = 25 MPH	DS = 35 MPH

-Y6LPCA-
PI Sta. 11+54.52
Δ = 102° 03' 32.5" (RT)
D = 45° 50' 11.8"
L = 222.66'
T = 154.52'
R = 125.00'
DS = < 15 MPH

-SR2-			
PI Sta. 10+69.74	PI Sta. 13+44.48	PI Sta. 23+32.89	PI Sta. 17+51.37
Δ = 37° 44' 05.4" (LT)	Δ = 17° 46' 52.0" (RT)	Δ = 83° 22' 52.5" (RT)	Δ = 77° 54' 46.2" (LT)
D = 35° 22' 04.0"	D = 13° 04' 52.4"	D = 38° 11' 49.9"	D = 12° 14' 33.7"
L = 89.73'	L = 218.29'	L = 218.29'	L = 587.40'
T = 46.05'	T = 68.57'	T = 133.60'	T = 339.48'
R = 162.00'	R = 438.00'	R = 150.00'	R = 468.00'
DS = 25 MPH	DS = 35 MPH	DS = 20 MPH	DS = 35 MPH

Pt Sta. 24+97.84
Δ = 7° 14' 50.6" (RT)
D = 1° 11' 40.5"
L = 559.73'
T = 280.26'
R = 4,825.43'
DS = 60 MPH

-L-
PI Sta. 99+33.81
Δ = 26° 04' 19.6" (LT)
D = 1° 15' 41.8"
L = 2,066.55'
T = 1,051.48'
R = 4,541.43'
DS = 45 MPH

-L-	
Pi's Sta. 110+15.55	
θs = 1° 15' 41.8"	
Ls = 200.00'	
LT = 133.34'	
ST = 66.67'	

-Y6-	
PI Sta. 11+56.99	PI Sta. 29+13.23
Δ = 1° 03' 45.0" (RT)	Δ = 13° 33' 54.4" (LT)
D = 1° 08' 45.3"	D = 2° 26' 17.2"
L = 92.73'	L = 556.38'
T = 46.36'	L = 279.50'
R = 5,000.00'	R = 2,350.00'
DS = 70 MPH	DS = 50 MPH

-Y6-			
PI Sta. 11+22.14	PI Sta. 16+83.96	PI Sta. 29+17.12	
Δ = 88° 40' 31.4" (RT)	Δ = 101° 36' 20.0" (RT)	Δ = 92° 01' 15.0" (LT)	
D = 45° 50' 11.8"	D = 14° 19' 26.2"	D = 45° 50' 11.8"	
L = 193.46'	L = 709.34'	L = 200.98'	
T = 122.14'	T = 490.50'	T = 129.73'	
R = 125.00'	R = 400.00'	R = 125.00'	
DS = 20 MPH	DS = 35 MPH	DS = < 15 MPH	

-Y6LPB-	
PI Sta. 11+22.14	PI Sta. 16+83.96
Δ = 88° 40' 31.4" (RT)	Δ = 101° 36' 20.0" (RT)
D = 45° 50' 11.8"	D = 14° 19' 26.2"
L = 193.46'	L = 709.34'
T = 122.14'	T = 490.50'
R = 125.00'	R = 400.00'
DS = 20 MPH	DS = 35 MPH

-Y6LPBA-
PI Sta. 11+29.72
Δ = 92° 01' 15.0" (LT)
D = 45° 50' 11.8"
L = 200.98'
T = 129.73'
R = 125.00'
DS = < 15 MPH

-DW3-	
PI Sta. 12+43.65	PI Sta. 14+99.30
Δ = 90° 11' 58.3" (LT)	Δ = 91° 31' 26.6" (LT)
D = 51° 11' 44.8"	D = 229° 01' 59.2"
L = 157.54'	L = 39.93'
T = 100.47'	T = 25.67'
R = 100.00'	R = 25.00'
DS = < 15 MPH	DS = < 15 MPH