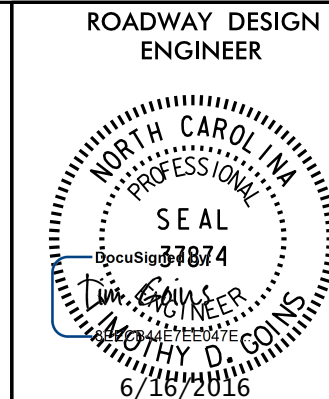


CURVE DATA

PLANS PREPARED BY :
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
 NC LICENSE NO. F-0246
 FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.	SHEET NO.
U-2524D	2B-2
RW SHEET NO.	



**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

-L-
Pls Sta 415+25.60
 $\Delta s = 5^{\circ} 30' 01.4''$
 $L_s = 480.00'$
 $LT = 320.15'$
 $ST = 160.14'$

Pl Sta 421+58.62
 $\Delta = 2^{\circ} 26' 06.8''$ (RT)
 $D = 2^{\circ} 17' 30.6''$
 $L = 935.29'$
 $T = 473.18'$
 $R = 2,500.00'$
 $e = 0.06$
 $D.S. = 70$ Mph
 $Runoff = 480.00'$

Pls Sta 427+80.87
 $\Delta s = 5^{\circ} 30' 01.4''$
 $L_s = 480.00'$
 $LT = 320.15'$
 $ST = 160.14'$

-RPAY4-
Pls Sta 1+71.48
 $\Delta s = 4^{\circ} 46' 28.73''$
 $L_s = 200.00'$
 $LT = 133.38'$
 $ST = 66.71'$

$PI = 3+51.09$
 $\Delta = 10^{\circ} 45' 30.0''$ (LT)
 $D = 4^{\circ} 46' 28.7''$
 $L = 225.32'$
 $T = 112.99'$
 $R = 1,200.00'$
 $e = 0.06$
 $D.S. = 55.00$ Mph
 $Runoff = 200.00'$

Pls Sta 5+30.13
 $\Delta s = 4^{\circ} 46' 28.73''$
 $L_s = 200.00'$
 $LT = 133.38'$
 $ST = 66.71'$

-SPAY4-
Pl Sta 1+83.75
 $\Delta = 25^{\circ} 50' 28.1''$ (LT)
 $D = 17^{\circ} 54' 17.8''$
 $L = 144.32'$
 $T = 73.41'$
 $R = 320.00'$
 $e = 0.04$
 $D.S. = 25$ Mph
 $Runoff = 68.00'$

-L-
Pls Sta 446+94.21
 $\Delta s = 4^{\circ} 00' 38.5''$
 $L_s = 390.00'$
 $LT = 280.07'$
 $ST = 140.07'$

Pl Sta 453+44.10
 $\Delta = 19^{\circ} 17' 41.0''$ (LT)
 $D = 1^{\circ} 54' 35.5''$
 $L = 1,010.27'$
 $T = 509.96'$
 $R = 3,000.00'$
 $e = 0.07$
 $D.S. = 70.00$ Mph
 $Runoff = 420.00'$

Pls Sta 459+84.47
 $\Delta s = 4^{\circ} 00' 38.5''$
 $L_s = 390.00'$
 $LT = 280.07'$
 $ST = 140.07'$

-RPAY4-
Pls Sta 15+65.35
 $\Delta s = 12^{\circ} 31' 15.35''$
 $L_s = 125.00'$
 $LT = 83.54'$
 $ST = 41.86'$

$PI = 19+01.74$
 $\Delta = 9^{\circ} 45' 44.1''$ (LT)
 $D = 20^{\circ} 02' 00.56''$
 $L = 458.04'$
 $T = 294.93'$
 $R = 286.00'$
 $e = 0.04$
 $D.S. = 30.00$ Mph
 $Runoff = 125.00'$

Pls Sta 21+06.71
 $\Delta s = 12^{\circ} 31' 15.35''$
 $L_s = 125.00'$
 $LT = 83.54'$
 $ST = 41.86'$

-RPCY8-
Pls Sta 1+33.35
 $\Delta s = 2^{\circ} 30' 00.0''$
 $L_s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

Pl Sta 3+02.13
 $\Delta = 5^{\circ} 06' 11.1''$ (RT)
 $D = 2^{\circ} 30' 00.0''$
 $L = 204.12'$
 $T = 102.13'$
 $R = 2,291.83'$
 $e = 0.06$
 $D.S. = 60.00$ Mph
 $Runoff = 200.00'$

Pls Sta 4+70.80
 $\Delta s = 2^{\circ} 30' 00.0''$
 $L_s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

-LREV-
Pls Sta 492+33.76
 $\Delta s = 3^{\circ} 02' 39.6''$
 $L_s = 390.00'$
 $LT = 260.04'$
 $ST = 130.03'$

Pl Sta 496+37.33
 $\Delta = 8^{\circ} 31' 38.8''$ (RT)
 $D = 1^{\circ} 33' 40.3''$
 $L = 546.21'$
 $T = 273.61'$
 $R = 3,670.00'$
 $e = 0.06$
 $D.S. = 70.00$ Mph
 $Runoff = 390.00'$

Pls Sta 500+39.97
 $\Delta s = 3^{\circ} 02' 39.6''$
 $L_s = 390.00'$
 $LT = 260.04'$
 $ST = 130.03'$

-RPDY4-
Pls Sta 2+06.25
 $\Delta = 20^{\circ} 20' 08.8''$ (LT)
 $D = 4^{\circ} 58' 56.1''$
 $L = 408.17'$
 $T = 206.25'$
 $R = 1,150.00'$
 $e = 0.06$
 $D.S. = 55$ Mph
 $Runoff = 200.00'$

-RPDY4-
Pls Sta 4+83.23
 $\Delta s = 5^{\circ} 36' 40.8''$
 $L_s = 225.00'$
 $LT = 150.08'$
 $ST = 75.07'$

$PI = 4+83.23$
 $\Delta = 5^{\circ} 36' 40.8''$
 $D = 27^{\circ} 56' 57.0''$
 $L = 375.26'$
 $T = 266.59'$
 $R = 205.00'$
 $e = 0.04$
 $D.S. = 25$ Mph
 $Runoff = 68.00'$

-RPCY8-
Pls Sta 10+05.15
 $\Delta s = 10^{\circ} 00' 09.9''$
 $L_s = 125.00'$
 $LT = 83.47'$
 $ST = 41.79'$

Pl Sta 13+33.32
 $\Delta = 77^{\circ} 21' 58.8''$ (LT)
 $D = 16^{\circ} 00' 15.9''$
 $L = 483.41'$
 $T = 286.64'$
 $R = 358.00'$
 $e = 0.04$
 $D.S. = 25.00$ Mph
 $Runoff = 125.00'$

Pls Sta 15+71.88
 $\Delta s = 10^{\circ} 00' 09.9''$
 $L_s = 125.00'$
 $LT = 83.47'$
 $ST = 41.79'$

-Y5-
 $P.I. = 14+45.56$
 $\Delta = 8^{\circ} 19' 44.1''$ (RT)
 $D = 5^{\circ} 43' 46.5''$
 $T = 72.81'$
 $L = 145.37'$
 $R = 1,000.00'$
 $e = 0.04$
 $D.S. = 50$ Mph
 $Runoff = 96.00'$

-Y6-
 $P.I. = 14+73.75$
 $\Delta = 8^{\circ} 17' 00.5''$ (LT)
 $D = 3^{\circ} 10' 59.2''$
 $T = 130.34'$
 $L = 260.23'$
 $R = 1,800.00'$
 $e = 0.03$
 $D.S. = 50$ Mph
 $Runoff = 81.00'$

-Y6-
 $P.I. = 21+49.25$
 $\Delta = 21^{\circ} 55' 17.5''$ (LT)
 $D = 6^{\circ} 09' 39.0''$
 $T = 180.11'$
 $L = 355.82'$
 $R = 930.00'$
 $e = 0.04$
 $D.S. = 50$ Mph
 $Runoff = 96.00'$

-RPDY4-
Pls Sta 14+64.53
 $\Delta s = 8^{\circ} 02' 20.2''$
 $L_s = 110.00'$
 $LT = 73.41'$
 $ST = 36.74'$

Pl Sta 17+17.33
 $\Delta = 57^{\circ} 45' 26.9''$ (RT)
 $D = 14^{\circ} 36' 58.6''$
 $L = 395.16'$
 $T = 216.21'$
 $R = 392.00'$
 $e = 0.04$
 $D.S. = 30$ Mph
 $Runoff = 77.00'$

Pls Sta 19+33.02
 $\Delta s = 8^{\circ} 02' 20.2''$
 $L_s = 110.00'$
 $LT = 73.41'$
 $ST = 36.74'$

-RPCY8-
Pls Sta 1+33.35
 $\Delta s = 2^{\circ} 30' 00.0''$
 $L_s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

-RPCY8-
Pls Sta 10+05.15
 $\Delta s = 10^{\circ} 00' 09.9''$
 $L_s = 125.00'$
 $LT = 83.47'$
 $ST = 41.79'$

-RPCY8-
Pls Sta 13+33.32
 $\Delta = 77^{\circ} 21' 58.8''$ (LT)
 $D = 16^{\circ} 00' 15.9''$
 $L = 483.41'$
 $T = 286.64'$
 $R = 358.00'$
 $e = 0.04$
 $D.S. = 25.00$ Mph
 $Runoff = 125.00'$

-Y6A-
 $P.I. = 12+31.34$
 $\Delta = 37^{\circ} 41' 26.6''$ (LT)
 $D = 10^{\circ} 08' 27.0''$
 $T = 192.84'$
 $L = 371.67'$
 $R = 565.00'$
 $e = 0.04$
 $D.S. = 40$ Mph
 $Runoff = 84.00'$

-Y7A-
 $P.I. = 10+87.91$
 $\Delta = 60^{\circ} 44' 43.1''$ (LT)
 $D = 38^{\circ} 11' 49.9''$
 $T = 87.91'$
 $L = 159.03'$
 $R = 150.00'$
 $e = 0.04$
 $D.S. = 20$ Mph
 $Runoff = 64.00'$

-Y7A-
 $P.I. = 12+90.01$
 $\Delta = 9^{\circ} 03' 06.6''$ (LT)
 $D = 11^{\circ} 35' 29.6''$
 $T = 50.93'$
 $L = 79.46'$
 $R = 50.00'$

-RPAY8-
Pls Sta 1+33.35
 $\Delta s = 2^{\circ} 30' 00.0''$
 $L_s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

Pl Sta 2+75.40
 $\Delta = 3^{\circ} 46' 06.6''$ (RT)
 $D = 2^{\circ} 30' 00.0''$
 $L = 150.74'$
 $T = 75.40'$
 $R = 2,291.83'$
 $e = 0.06$
 $D.S. = 60.00$ Mph
 $Runoff = 200.00'$

Pls Sta 4+17.42
 $\Delta s = 2^{\circ} 30' 00.0''$
 $L_s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

-RPCY8-
Pls Sta 1+33.35
 $\Delta s = 2^{\circ} 30' 00.0''$
 $L_s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

-RPCY8-
Pls Sta 10+05.15
 $\Delta s = 10^{\circ} 00' 09.9''$
 $L_s = 125.00'$
 $LT = 83.47'$
 $ST = 41.79'$

-RPCY8-
Pls Sta 13+33.32
 $\Delta = 77^{\circ} 21' 58.8''$ (LT)
 $D = 16^{\circ} 00' 15.9''$
 $L = 483.41'$
 $T = 286.64'$
 $R = 358.00'$
 $e = 0.04$
 $D.S. = 25.00$ Mph
 $Runoff = 125.00'$

-SPDY8-
 $PI = 2+56.66$
 $\Delta = 85^{\circ} 35' 57.9''$ (LT)
 $D = 24^{\circ} 22' 52.3''$
 $L = 351.09'$
 $T = 217.61'$
 $R = 235.00'$
 $e = 0.04$
 $D.S. = 25$ Mph
 $Runoff = 68.00'$

-Y8-
 $P.I. = 22+73.67$
 $\Delta = 12^{\circ} 34' 44.0''$ (RT)
 $D = 3^{\circ} 49' 11.0''$
 $L = 329.31'$
 $T = 165.32'$
 $R = 1,500.00'$
 $e = 0.04$
 $D.S. = 50$ Mph
 $Runoff = 174.00'$

-Y8-
 $P.I. = 26+55.60$
 $\Delta = 9^{\circ} 57' 52.8''$ (LT)
 $D = 2^{\circ} 17' 30.6''$
 $T = 217.94'$
 $L = 434.79'$
 $R = 2,500.00'$
 $e = 0.03$
 $D.S. = 50$ Mph
 $Runoff = 105.00'$

-RPAY8-
Pls Sta 10+49.03
 $\Delta s = 9^{\circ} 41' 46.4''$
 $L_s = 110.00'$
 $LT = 73.44'$
 $ST = 36.77'$

Pl Sta 14+17.82
 $\Delta = 9^{\circ} 15' 39.5''$ (LT)
 $D = 17^{\circ} 37' 46.1''$
 $L = 517.66'$
 $T = 332.23'$
 $R = 325.00'$
 $e = 0.04$
 $D.S. = 25.00$ Mph
 $Runoff = 110.00'$

Pls Sta 16+40.02
 $\Delta s = 9^{\circ} 41' 46.4''$
 $L_s = 110.00'$
 $LT = 73.44'$
 $ST = 36.77'$

-RPCY8-
Pls Sta 1+33.35
 $\Delta s = 2^{\circ} 30' 00.0''$
 $L_s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

-RPCY8-
Pls Sta 11+06.05
 $\Delta s = 9^{\circ} 49' 19.7''$
 $L_s = 120.00'$
 $LT = 80.12'$
 $ST = 40.11'$

-RPCY8-
Pls Sta 13+84.61
 $\Delta = 68^{\circ} 34' 57.3''$ (RT)
 $D = 16^{\circ} 22' 12.8''$
 $L = 418.95'$
 $T = 238.68'$
 $R = 350.00'$
 $e = 0.04$
 $D.S. = 25.00$ Mph
 $Runoff = 120.00'$

-PED-
Pls Sta 11+63.69
 $\Delta = 33^{\circ} 33' 23.3''$ (RT)
 $D = 2^{\circ} 13' 14.4''$
 $L = 158.13'$
 $T = 81.41'$
 $R = 270.00'$

-PED-
Pls Sta 18+34.51
 $\Delta = 22^{\circ} 55' 23.7''$ (RT)
 $D = 45^{\circ} 50' 11.8''$
 $L = 50.01'$
 $T = 25.34'$
 $R = 125.00'$

-RPBY8-
Pls Sta 1+33.35
 $\Delta s = 3^{\circ} 00' 00.0''$
 $L_s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

Pls Sta 2+64.82
 $\Delta = 3^{\circ} 53' 15.7''$ (LT)
 $D = 3^{\circ} 00' 00.0''$
 $L = 129.59'$
 $T = 64.82'$
 $R = 1,909.86'$
 $e = 0.08$
 $D.S. = 60.00$ Mph
 $Runoff = 200.00'$

Pls Sta 3+96.27
 $\Delta s = 3^{\circ} 00' 00.0''$
 $L_s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

-SPBY8-
Pls Sta 2+88.03
 $\Delta = 82^{\circ} 27' 10.6''$ (LT)
 $D = 20^{\circ} 50' 05.4''$
 $L = 395.75'$
 $T = 240.97'$
 $R = 275.00'$
 $e = 0.04$
 $D.S. = 25$ Mph
 $Runoff = 68.00'$

-RPBY8-
Pls Sta 10+33.87
 $\Delta s = 10^{\circ} 40' 56.2''$
 $L_s = 110.00'$
 $LT = 73.47'$
 $ST = 36.79'$

Pls Sta 13+23.49
 $\Delta = 8^{\circ} 15' 15.8''$ (RT)
 $D = 19^{\circ} 25' 20.3''$
 $L = 418.36'$
 $T = 253.09'$
 $R = 295.00'$
 $e = 0.04$

Pls Sta 15+25.55
 $\Delta s = 10^{\circ} 40' 56.2''$
 $L_s = 110.00'$
 $LT = 73.47'$
 $ST = 36.79'$