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HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
R-2707F	5

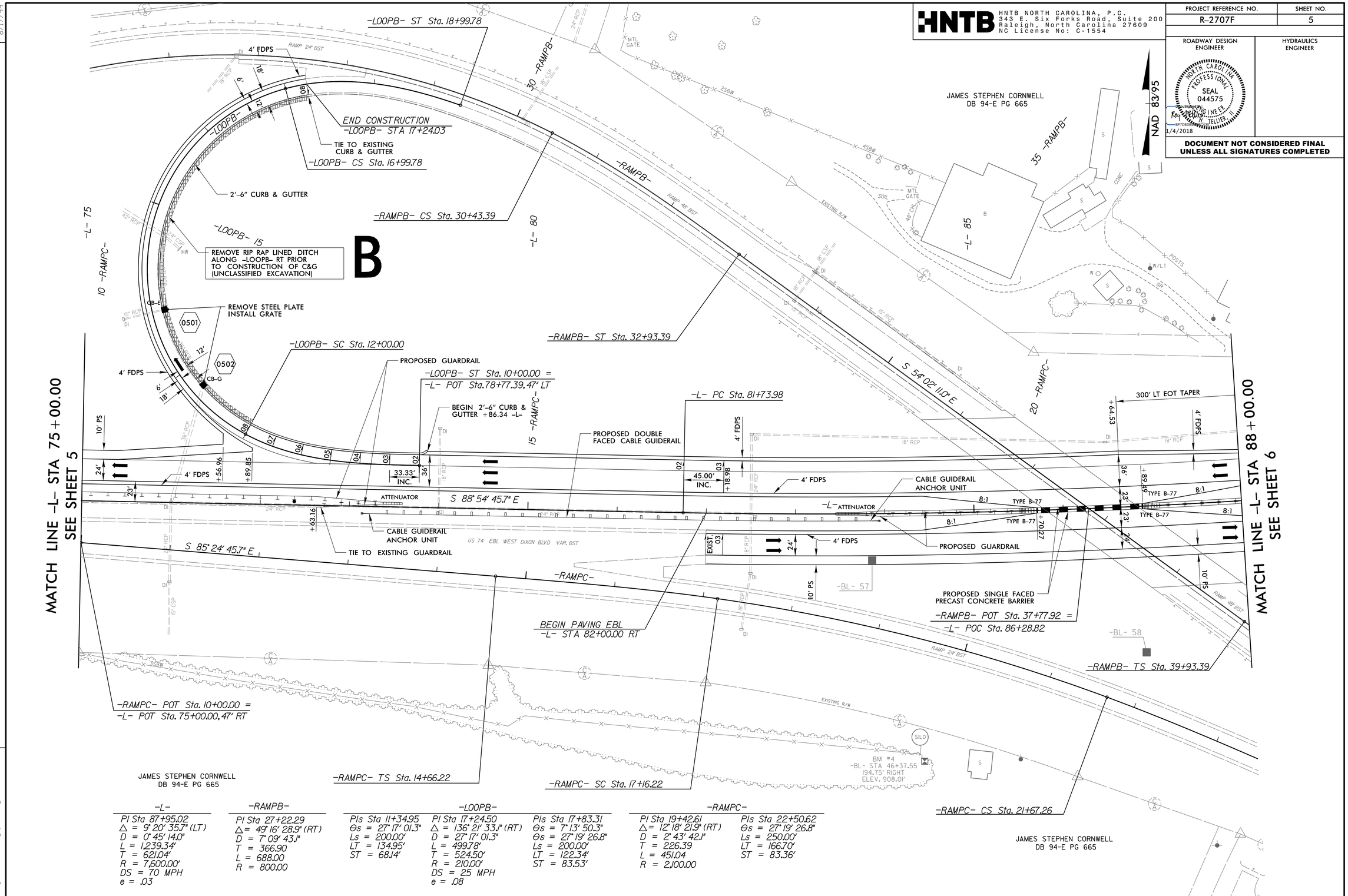
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 044575 ENGINEER KAMILLA H. TELLIER, II

1/4/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-L-	-RAMPB-	-LOOPB-			-RAMPC-	
PI Sta 87+95.02	PI Sta 27+22.29	PIs Sta 11+34.95	PI Sta 17+24.50	PIs Sta 17+83.31	PI Sta 19+42.61	PIs Sta 22+50.62
Δ = 9° 20' 35.7" (LT)	Δ = 49° 16' 28.9" (RT)	Θs = 27° 17' 01.3"	Δ = 136° 21' 33.1" (RT)	Θs = 7° 13' 50.3"	Δ = 12° 18' 21.9" (RT)	Θs = 27° 19' 26.8"
D = 0° 45' 14.0"	D = 7° 09' 43.1"	Ls = 200.00'	D = 27° 17' 01.3"	Θs = 27° 19' 26.8"	D = 2° 43' 42.1"	Ls = 250.00'
L = 1,239.34'	T = 366.90	LT = 134.95'	L = 499.78'	Ls = 200.00'	T = 226.39	LT = 166.70'
T = 621.04'	L = 688.00	ST = 68.14'	T = 524.50'	LT = 122.34'	L = 451.04	ST = 83.36'
R = 7,600.00'	R = 800.00		R = 210.00'	ST = 83.53'	R = 2,100.00	
DS = 70 MPH			DS = 25 MPH			
e = .03			e = .08			

NOTE: -RAMPB- & -RAMPC- ALIGNMENTS SHOWN FOR INFORMATION ONLY.

FOR -L- PROFILE, SEE SHEET 31
FOR -LOOPB- PROFILE, SEE SHEET 43

REVISIONS

8/17/99

04-JAN-2018 10:32
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