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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
I-5979	5
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 014493 — Signed by: Sanford Goodnight — 12/3/2024 — 64CB24C43AFE4E8...

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043870 — Signed by: Reid B. Rebol — 12/4/2024 — B83E5A30E6894F4...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared by
vhb
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Raleigh, NC 27606

NAD 83/NSRS 2011

US 1 AT US 74 (FUTURE I-74) WB

US 74 WB ON RAMP	800 / 800	2020 / 2040 ADT
	230 / 400	580 / 400
US 1		US 1
	9860 / 10200	13200 / 13200
	200 / 200	3200 / 3200
US 74 WB OFF RAMP	3400 / 3400	

-L- CURVE DATA

PI Sta 31+77.10	PI Sta 32+79.67	PI Sta 36+17.63
Δ = 7° 17' 09.9" (LT)	Δ = 9° 29' 34.0" (RT)	Δ = 2° 12' 24.1" (LT)
D = 8° 11' 06.4"	D = 8° 11' 06.4"	D = 0° 57' 17.7"
L = 89.02'	L = 115.98'	L = 231.08'
T = 44.57'	T = 58.12'	T = 115.56'
R = 700.00'	R = 700.00'	R = 6,000.00'

-RPA1- CURVE DATA

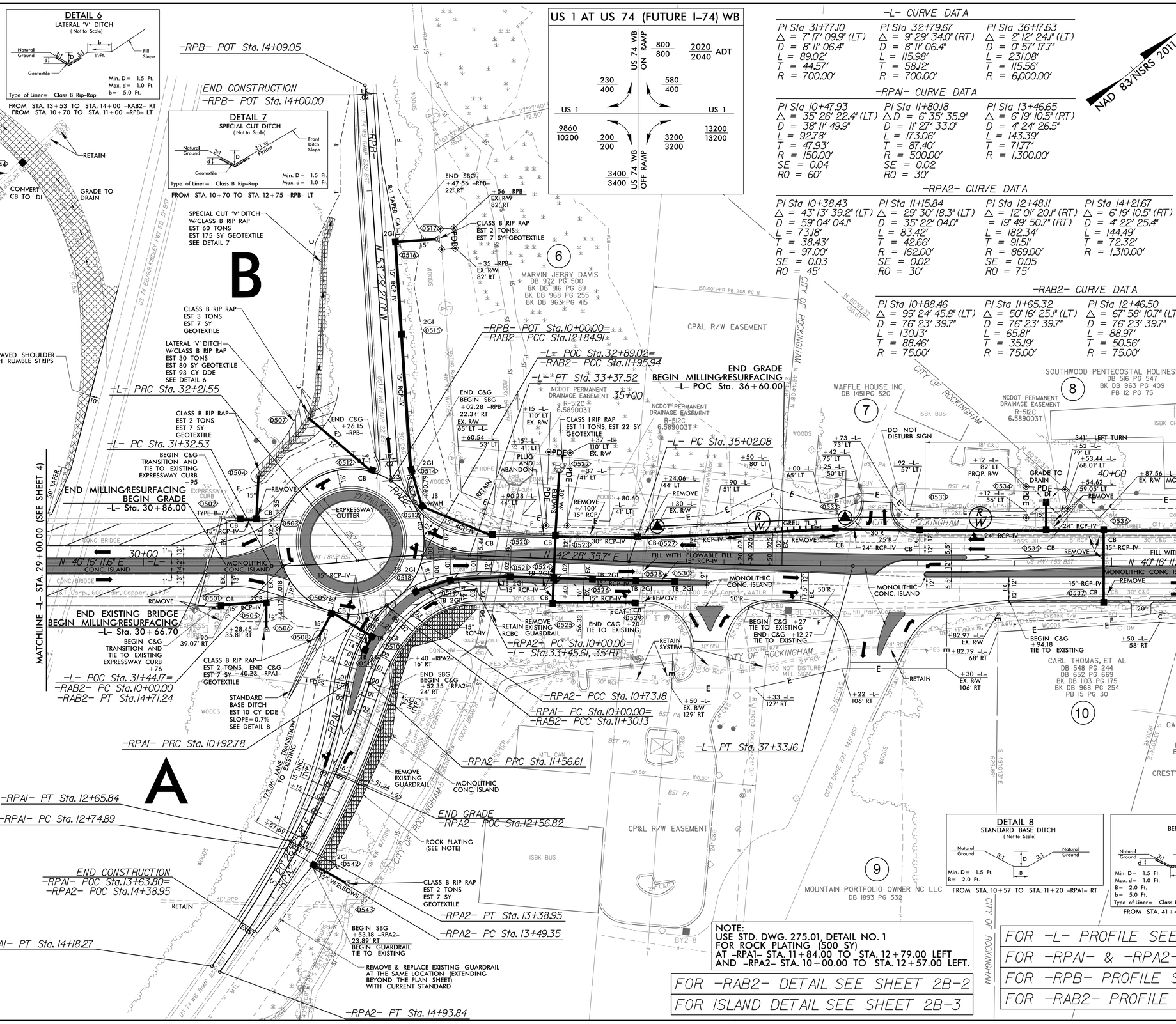
PI Sta 10+47.93	PI Sta 11+80.18	PI Sta 13+46.65
Δ = 35° 26' 22.4" (LT)	Δ D = 6° 35' 35.9"	Δ = 6° 19' 10.5" (RT)
D = 38° 11' 49.9"	L = 173.06'	D = 4° 24' 26.5"
L = 92.78'	T = 87.40'	L = 143.39'
T = 47.93'	R = 500.00'	T = 71.77'
R = 150.00'	SE = 0.02	R = 1,300.00'
SE = 0.04	R0 = 30'	
R0 = 60'		

-RPA2- CURVE DATA

PI Sta 10+38.43	PI Sta 11+15.84	PI Sta 12+48.11	PI Sta 14+21.67
Δ = 43° 13' 39.2" (LT)	Δ = 29° 30' 18.3" (LT)	Δ = 12° 01' 20.1" (RT)	Δ = 6° 19' 10.5" (RT)
D = 59° 04' 04.1"	D = 35° 22' 04.0"	= 19° 49' 50.7" (RT)	D = 4° 22' 25.4"
L = 73.18'	L = 83.42'	L = 182.34'	L = 144.49'
T = 38.43'	T = 42.66'	T = 91.51'	T = 72.32'
R = 97.00'	R = 162.00'	R = 869.00'	R = 1,310.00'
SE = 0.03	SE = 0.02	SE = 0.05	
R0 = 45'	R0 = 30'	R0 = 75'	

-RAB2- CURVE DATA

PI Sta 10+88.46	PI Sta 11+65.32	PI Sta 12+46.50	PI Sta 15+04.87
Δ = 99° 24' 45.8" (LT)	Δ = 50° 16' 25.1" (LT)	Δ = 67° 58' 10.7" (LT)	Δ = 142° 20' 38.4" (LT)
D = 76° 23' 39.7"	D = 76° 23' 39.7"	D = 76° 23' 39.7"	D = 76° 23' 39.7"
L = 130.13'	L = 65.81'	L = 88.97'	L = 186.33'
T = 88.46'	T = 35.19'	T = 50.56'	T = 219.96'
R = 75.00'	R = 75.00'	R = 75.00'	R = 75.00'



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