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REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
I-5986B	42
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — SEAL 027373 — Scott C. Cameron — 8/28/2021

HYDRAULICS ENGINEER — SEAL 26811 — John D. Boney — 8/28/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Michael Baker Engineering, Inc. NC License # C-0782

MATCH TO -Y18- POC STA. 18+50.00 - SEE SHEET 68

MATCH TO -Y18- POC STA. 33+00.00 - SEE SHEET 69

MATCH TO -L- POC STA. 1331+00.00 - SEE SHEET 41

MATCH TO -L- POT STA. 1358+00.00 - SEE SHEET 43

NAD 83/2011

I-95 & NC 50/NC 242 (E. MAIN ST./S. WALTON ST.)

-Y28-

PI Sta 26+52.65	PI Sta 29+24.22
Δ = 2°00'14.8" (LT)	Δ = 94°00'01.7" (LT)
D = 17°34'20.4"	D = 63°39'43.1"
L = 350.16'	L = 147.66'
T = 175.07'	T = 96.55'
R = 1,091.00'	R = 90.00'
SE = NC	SE = 0.04
	RUNOFF = 84'

-Y18-

PI Sta 18+37.03	PI Sta 22+76.33	PI Sta 27+43.33	PI Sta 31+64.77
Δ = 2°10'50.3" (RT)	Δ = 2°27'08.8" (LT)	Δ = 2°14'19.9" (LT)	Δ = 2°12'35.7" (RT)
D = 1°38'13.3"	D = 1°39'13.3"	D = 2°07'18.4"	D = 2°07'18.4"
L = 139.35'	L = 149.81'	L = 105.37'	L = 104.14'
T = 69.69'	T = 74.96'	T = 52.69'	T = 52.08'
R = 3,500.00'	R = 3,500.00'	R = 2,700.00'	R = 2,700.00'
SE = EXIST.	SE = EXIST.	SE = NC	SE = NC

-Y18RPA-

PI Sta 11+77.83	PI Sta 13+62.42	PI Sta 15+32.41	PI Sta 18+69.15	PI Sta 19+80.69
Θs = 5°07'48.2"	Δ = 10°54'55.2" (RT)	Θs = 4°00'38.5"	Θs = 16°13'08.8"	Δ = 17°49'40.2" (LT)
Ls = 210.00'	D = 4°46'28.7"	Ls = 168.00'	Ls = 184.00'	D = 17°37'46.2"
L = 140.06'	L = 229.67'	LT = 112.03'	LT = 123.67'	L = 100.65'
ST = 70.05'	T = 114.83'	ST = 56.03'	ST = 61.81'	T = 50.73'
	R = 1,200.00'			R = 325.00'
	SE = 0.01'			SE = EXIST.

-Y18RPB-

PI Sta 10+14.00	PI Sta 13+48.26	PI Sta 15+48.01	PI Sta 17+38.70
Θs = 0°39'31.2"	Θs = 5°00'48.2"	Δ = 16°54'50.8" (LT)	Θs = 4°00'38.5"
Ls = 120.00'	Ls = 210.00'	D = 4°46'28.7"	Ls = 168.00'
LT = 80.00'	LT = 140.06'	L = 270.41'	LT = 112.03'
ST = 40.00'	ST = 70.05'	T = 135.81'	ST = 56.03'
		R = 1,200.00'	
		SE = 0.01'	

-Y18RPC-

PI Sta 10+15.77	PI Sta 12+59.38	PI Sta 14+82.55	PI Sta 20+97.97
Θs = 0°27'17.2"	Δ = 16°04'04.2" (RT)	Θs = 4°00'38.5"	Δ = 68°53'29.7" (RT)
Θs = 2°09'55.2"	D = 4°46'28.7"	Ls = 168.00'	D = 63°39'43.1"
Ls = 90.00'	L = 336.53'	LT = 112.03'	L = 108.29'
LT = 54.77'	T = 169.70'	ST = 56.03'	T = 60.77'
ST = 35.29'	R = 1,200.00'		R = 90.00'
	SE = 0.01'		SE = 0.02

-Y18RPD-

PI Sta 11+20.01	PI Sta 13+57.19	PI Sta 15+48.46	PI Sta 23+65.90
Θs = 2°34'41.9"	Δ = 10°00'36.4" (LT)	Θs = 2°03'45.5"	Δ = 56°59'08.7" (LT)
Ls = 180.00'	D = 2°51'53.2"	Ls = 144.00'	D = 67°54'24.3"
LT = 120.07'	L = 353.45'	LT = 96.01'	L = 84.54'
ST = 60.07'	T = 177.51'	ST = 48.01'	T = 46.14'
	R = 2,000.00'		R = 85.00'
	SE = 0.01'		SE = EXIST.

-Y30-

PI Sta 18+90.37	PI Sta 23+71.61
Δ = 113°25'37.1" (RT)	Δ = 55°21'08.7" (LT)
D = 9°25'00.0"	D = 16°29'57.0"
L = 748.61'	L = 299.49'
T = 429.96'	T = 162.52'
R = 608.45'	R = 347.00'
SE = 0.05	SE = 0.04
RUNOFF = 115'	RUNOFF = 84'

-L-

PI Sta 13+40.00	PI Sta 133+68.25	PI Sta 1346+97.38
Θs = 1°29'48.0"	Δ = 30°59'22.4" (RT)	Θs = 1°29'48.0"
Ls = 256.00'	D = 1°00'00.0"	Ls = 256.00'
LT = 157.34'	L = 3,098.96'	LT = 157.34'
ST = 98.67'	T = 1,588.39'	ST = 98.67'
	R = 5,729.59'	
	SE = 0.04	

GRAPHIC SCALE: 50 25 0 50 100 — PLANS

FOR -L- PROFILE SEE SHEETS 85 AND 86
FOR -Y18- PROFILE SEE SHEET 131
FOR -Y18PA- PROFILE SEE SHEET 132
FOR -Y18RPB- PROFILE SEE SHEET 132
FOR -Y18RPC- PROFILE SEE SHEET 133
FOR -Y18RPD- PROFILE SEE SHEETS 133 & 134
FOR -Y18RAA- PROFILE SEE SHEET 134
FOR -Y18SP1- PROFILE SEE SHEET 134
FOR -Y18SP2- PROFILE SEE SHEET 134
FOR -Y18SP3- PROFILE SEE SHEET 134
FOR -Y18RAAA- DETAIL SEE SHEET 28-5
FOR -Y18SP4- PROFILE SEE SHEET 135
FOR -Y18SP4D- PROFILE SEE SHEET 135
FOR -Y28- PROFILE SEE SHEET 137
FOR -Y30- PROFILE SEE SHEET 139
FOR -Y30SP1- PROFILE SEE SHEET 139
FOR -Y30SP2- PROFILE SEE SHEET 139
FOR -Y18RAA-, -Y18SP1-, -Y18SP2-, -Y18SP3-, -Y18SP4D-, -Y30SP1-, & -Y30SP2- PLAN SEE SHEET 28-5