ALIGNMENT CURVE DATA

PROJECT REFERENCE NO.	SHEET NO.
U-4751	2B-8
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CURVE & SPIRAL DATA -L-

PI Sta 25+92.06	PI Sta 39+36.24	PI Sta 86+83.19	PI Sta 104+94.44	PI Sta 110+80.43
Δ = 2° 05' 27.0" (RT)	Δ = 33° 37' 21.7" (LT)	Δ = 7° 26' 47.0" (RT)	Δ = 33° 36' 12.2" (LT)	Δ = 3° 33' 04.0" (RT)
D = 0° 34' 22.6"	D = 2° 48' 31.0"	D = 5° 56' 14.6"	D = 5° 43' 46.5"	D = 5° 43' 46.5"
L = 364.92'	L = 1,197.13'	L = 1,203.33'	L = 586.49'	L = 585.58'
T = 182.48	T = 616.35'	T = 694.02'	T = 301.95'	T = 301.45'
R = 10,000.00'	R = 2,040.00'	R = 965.00'	R = 1,000.00'	R = 1,000.00'
e = N/A	e = 4%	e = 4%	e = 4%	e = 4%
RUNOFF = N/A	RUNOFF = 200'	RUNOFF = 240'	RUNOFF = 240'	RUNOFF = 240'

PI Sta 146+07.40	PIs Sta 209+35.33	PI Sta 226+97.66	PIs Sta 242+23.74
Δ = 58° 00' 14.9" (LT)	Θs = 2° 16' 29.9"	Δ = 52° 22' 55.5" (RT)	Θs = 2° 16' 29.9"
D = 2° 11' 42.9"	Ls = 270.00'	D = 1° 41' 06.6"	Ls = 270.00'
L = 2,642.27'	LT = 180.01'	L = 3,108.42'	LT = 180.01'
T = 1,446.87'	ST = 90.01'	T = 1,672.35'	ST = 90.01'
R = 2,610.00'		R = 3,400.00'	
e = 4%		e = 6%	
RUNOFF = 240'		RUNOFF = 270'	

CURVE DATA -Y1-

PI Sta 22+16.57	PI Sta 79+34.58
Δ = 24° 46' 11.7" (LT)	Δ = 0° 49' 54.1" (RT)
D = 5° 43' 46.5"	D = 0° 22' 55.1"
L = 432.32'	L = 217.74'
T = 219.59	T = 108.87'
R = 1,000.00'	R = 15,000.00'
e = 4%	e = N/A
RUNOFF = 200'	RUNOFF = N/A

CURVE DATA -Y2-

PI Sta 12+83.62	PI Sta 15+05.97	PI Sta 16+70.01
Δ = 15° 03' 24.1" (LT)	Δ = 24° 10' 08.7" (LT)	Δ = 7° 43' 00.0" (LT)
D = 6° 05' 43.1"	D = 12° 19' 18.0"	D = 5° 43' 46.5"
L = 247.02'	L = 196.15'	L = 134.68'
T = 124.23'	T = 99.56'	T = 67.44'
R = 940.00'	R = 465.00'	R = 1,000.00'
e = N/A	e = N/A	e = N/A
RUNOFF = N/A	RUNOFF = N/A	RUNOFF = N/A

CURVE DATA -Y3-

PI Sta 14+36.56
Δ = 13° 54' 33.8" (LT)
D = 5° 43' 46.5"
L = 242.76'
T = 121.98'
R = 1,000.00'
e = N/A
RUNOFF = N/A

CURVE DATA -Y4-

PI Sta 11+48.13	PI Sta 19+03.01
Δ = 9° 44' 59.7" (LT)	Δ = 15° 56' 34.6" (LT)
D = 5° 35' 23.4"	D = 12° 43' 56.6"
L = 174.42'	L = 125.22'
T = 87.42'	T = 63.01'
R = 1,025.00'	R = 450.00'
e = N/A	e = N/A
RUNOFF = N/A	RUNOFF = N/A

CURVE DATA -Y5-

PI Sta 11+30.23	PI Sta 14+71.33
Δ = 6° 37' 30.3" (RT)	Δ = 5° 51' 19.8" (LT)
D = 2° 32' 47.3"	D = 2° 51' 53.2"
L = 260.17'	L = 204.40'
T = 130.23'	T = 102.29'
R = 2,250.00'	R = 2,000.00'
e = N/A	e = N/A
RUNOFF = N/A	RUNOFF = N/A

CURVE DATA -Y8-

PI Sta 18+91.61	PI Sta 65+00.11
Δ = 8° 53' 34.4" (RT)	Δ = 13° 25' 32.9" (LT)
D = 0° 29' 58.9"	D = 0° 44' 58.4"
L = 1,779.64'	L = 1,791.18'
T = 891.61'	T = 899.71'
R = 11,466.00'	R = 7,644.00'
e = N/A	e = N/A
RUNOFF = N/A	RUNOFF = N/A

CURVE DATA -Y10-

PI Sta 12+80.43
Δ = 24° 31' 12.3" (LT)
D = 8° 11' 06.4"
L = 299.57'
T = 152.11'
R = 700.00'
e = N/A
RUNOFF = N/A

CURVE DATA -Y11-

PI Sta 11+36.35
Δ = 13° 08' 12.8" (LT)
D = 5° 38' 41.7"
L = 232.72'
T = 116.87'
R = 1,015.00'
e = N/A
RUNOFF = N/A

CURVE DATA -Y12-

PI Sta 10+83.37	PI Sta 12+42.87
Δ = 14° 11' 09.4" (LT)	Δ = 10° 56' 18.2" (LT)
D = 8° 33' 05.8"	D = 7° 07' 34.8"
L = 165.89'	L = 153.49'
T = 83.37'	T = 76.98'
R = 670.00'	R = 804.00'
e = N/A	e = N/A
RUNOFF = N/A	RUNOFF = N/A

CURVE DATA -Y13-

PI Sta 14+51.80	PI Sta 17+67.74	PI Sta 19+48.70	PI Sta 24+82.42
Δ = 80° 49' 21.3" (RT)	Δ = 70° 20' 06.3" (LT)	Δ = 12° 43' 56.6" (LT)	Δ = 10° 29' 22.8" (RT)
D = 22° 55' 05.9"	D = 22° 55' 05.9"	D = 12° 43' 56.6"	D = 14° 19' 26.2"
L = 352.66'	L = 306.89'	L = 100.00'	L = 73.23'
T = 212.85'	T = 176.14'	T = 50.21'	T = 36.72'
R = 250.00'	R = 250.00'	R = 450.00'	R = 400.00'
e = 4%	e = 4%	e = N/A	e = N/A
RUNOFF = 72'	RUNOFF = 72'	RUNOFF = N/A	RUNOFF = N/A

CURVE DATA -SR1-

PI Sta 10+30.81	PI Sta 11+01.02	PI Sta 14+01.99	PI Sta 16+88.86
Δ = 11° 43' 44.9" (LT)	Δ = 15° 02' 28.6" (RT)	Δ = 67° 38' 28.0" (RT)	Δ = 64° 59' 08.1" (LT)
D = 19° 05' 54.9"	D = 19° 05' 54.9"	D = 22° 55' 05.9"	D = 22° 55' 05.9"
L = 61.41'	L = 78.76'	L = 295.14'	L = 283.55'
T = 30.81'	T = 39.61'	T = 167.49'	T = 159.22'
R = 300.00'	R = 300.00'	R = 250.00'	R = 250.00'
e = N/A	e = N/A	e = 4%	e = 4%
RUNOFF = N/A	RUNOFF = N/A	RUNOFF = 84'	RUNOFF = 84'

CURVE & SPIRAL DATA -Y1LPB-

PIs Sta 10+83.57	PI Sta 13+62.65	PIs Sta 23+67.05
Θs = 17° 00' 45.4"	Δ = 274° 36' 34.4" (LT)	Θs = 12° 36' 18.3"
Ls = 132.00'	D = 22° 55' 05.9"	Ls = 110.00'
LT = 83.57'	L = 1,198.21'	LT = 73.52'
ST = 49.29'	T = 230.65'	ST = 36.84'
	R = 250.00'	
	e = 8%	
	RUNOFF = 110'	

CURVE & SPIRAL DATA -Y1RPB-

PIs Sta 15+82.07	PI Sta 18+86.57	PIs Sta 21+98.83	PIs Sta 25+30.74
Θs = 5° 47' 17.0"	Δ = 27° 21' 49.4" (RT)	Θs = 7° 14' 58.8"	Θs = 22° 37' 34.9"
Ls = 198.00'	D = 0° 29' 57.4"	Ls = 248.00'	Ls = 248.00'
LT = 132.07'	L = 468.04'	LT = 165.47'	LT = 166.70'
ST = 66.06'	T = 238.57'	ST = 82.79'	ST = 83.91'
	R = 980.00'		
	e = 8%		
	RUNOFF = 198'		

PI Sta 26+41.04	PIs Sta 27+48.23	PI Sta 31+12.69
Δ = 10° 33' 15.9" (LT)	Θs = 21° 09' 59.7"	Δ = 80° 00' 00.0" (RT)
D = 18° 14' 49.4"	Ls = 232.00'	D = 31° 49' 51.6"
L = 57.84'	LT = 155.79'	L = 251.33'
T = 29.00'	ST = 78.35'	T = 151.04'
R = 314.00'		R = 180.00'
e = 8%		e = NC
RUNOFF = 248'		RUNOFF = N/A

CURVE & SPIRAL DATA -Y1RPA-

PIs Sta 11+12.04	PI Sta 12+57.28	PIs Sta 14+02.12	PI Sta 21+03.82
Θs = 4° 48' 46.2"	Δ = 10° 12' 12.8" (LT)	Θs = 4° 48' 46.2"	Δ = 90° 00' 00.0" (LT)
Ls = 168.00'	D = 5° 43' 46.5"	Ls = 168.00'	D = 38° 11' 49.9"
LT = 112.04'	L = 178.09'	LT = 112.04'	L = 235.62'
ST = 56.04'	T = 89.28'	ST = 56.04'	T = 150.00'
	R = 1,000.00'		R = 150.00'
	e = 6%		e = 8%
	RUNOFF = 168'		RUNOFF = 184'

CURVE DATA -Y1RPD-

PI Sta 12+38.87	PI Sta 28+38.51
Δ = 60° 03' 33.1" (LT)	Δ = 86° 12' 09.7" (LT)
D = 22° 55' 05.9"	D = 11° 27' 33.0"
L = 262.06'	L = 752.26'
T = 144.51'	T = 467.91'
R = 250.00'	R = 500.00'
e = 4%	e = 4%
RUNOFF = 100'	RUNOFF = 100'

CURVE DATA -Y24-

PI Sta 12+02.25	PI Sta 13+94.94	PI Sta 15+11.41
Δ = 74° 39' 07.3" (RT)	Δ = 15° 17' 19.8" (RT)	Δ = 18° 55' 29.7" (LT)
D = 95° 29' 34.7"	D = 28° 38' 52.4"	D = 28° 38' 52.4"
L = 78.18'	L = 53.37'	L = 66.06'
T = 45.75'	T = 26.84'	T = 33.33'
R = 60.00'	R = 200.00'	R = 200.00'
e = N/A	e = N/A	e = N/A
RUNOFF = N/A	RUNOFF = N/A	RUNOFF = N/A