

Horizontal Alignment Review Report

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Project: Design
Description:
File Name: c:\temp\d1245691\122881_BK002.dgn
Last Revised: 9/9/2026 16:55:25

Note: All units in this report are in feet unless specified otherwise.

Alignment Name: ENT_RAMP
Alignment Description:
Alignment Style: Alignment\GE_P_Alignment

		Station	Northing	Easting
Element: Linear				
POT	(POT)	29150.000 R1	256050.676	172520.750
PC	(PC)	29288.633 R1	256188.538	172535.349
Tangential Direction:		N6.045°E		
Tangential Length:		138.633		
Element: Circular				
PC	(PC)	29288.633 R1	256188.538	172535.349
HPI	(HPI)	29387.652 R1	256287.006	172545.777
CC	(CC)		256389.666	170636.099
PT	(PT)	29486.494 R1	256386.025	172545.966
Radius:		1909.870		
Delta:		5.936 Left		
Degree of Curvature (Arc):		3.000		
Length:		197.860		
Tangent:		99.019		
Chord:		197.772		
Middle Ordinate:		2.562		
External:		2.565		
Back Tangent Direction:		N6.045°E		
Back Radial Direction:		S83.955°E		
Chord Direction:		N3.077°E		
Ahead Radial Direction:		S89.891°E		
Ahead Tangent Direction:		N0.109°E		
Element: Linear				
PT	(PT)	29486.494 R1	256386.025	172545.966
PC	(PC)	29702.151 R1	256601.682	172546.377
Tangential Direction:		N0.109°E		
Tangential Length:		215.658		
Element: Circular				
PC	(PC)	29702.151 R1	256601.682	172546.377
HPI	(HPI)	29821.169 R1	256720.699	172546.604
CC	(CC)		256590.758	178275.966

CS	(CS)	29940.152 R1	256839.604	172551.773
	Radius:	5729.600		
	Delta:	2.380 Right		
Degree of Curvature (Arc):		1.000		
	Length:	238.001		
	Tangent:	119.018		
	Chord:	237.984		
	Middle Ordinate:	1.236		
	External:	1.236		
Back Tangent Direction:		N0.109°E		
Back Radial Direction:		S89.891°E		
Chord Direction:		N1.299°E		
Ahead Radial Direction:		S87.511°E		
Ahead Tangent Direction:		N2.489°E		

Element: Clothoid

CS	(CS)	29940.152 R1	256839.604	172551.773
HPI	(HPI)	30006.821 R1	256906.210	172554.668
SC	(SC)	30140.152 R1	257039.298	172562.783
	Entrance Radius:	5729.600		
	Exit Radius:	0.000		
	Length:	200.000		
	Angle:	1.000 Right		
	Constant:	1070.477		
	Long Tangent:	133.335		
	Short Tangent:	66.669		
	Long Chord:	199.997		
	Xs:	199.994		
	Ys:	1.164		
	P:	0.291		
	K:	99.999		
	Tangent Direction:	N2.489°E		
	Radial Direction:	S87.511°E		
	Chord Direction:	N3.156°E		
	Radial Direction:	S86.511°E		
	Tangent Direction:	N3.489°E		

Element: Circular

SC	(SC)	30140.152 R1	257039.298	172562.783
HPI	(HPI)	30295.811 R1	257194.669	172572.257
CC	(CC)		258352.492	151025.862
PT	(PT)	30451.465 R1	257350.160	172579.488
	Radius:	21576.920		
	Delta:	0.827 Left		
Degree of Curvature (Arc):		0.266		
	Length:	311.313		
	Tangent:	155.659		
	Chord:	311.310		
	Middle Ordinate:	0.561		
	External:	0.561		
Back Tangent Direction:		N3.489°E		

Back Radial Direction:	S86.511°E
Chord Direction:	N3.076°E
Ahead Radial Direction:	S87.337°E
Ahead Tangent Direction:	N2.663°E