

# Level Report

Report created: 03/02/2023 13:09:06

## Project Details

### General

Project Name: CAR-164-117779  
Owner: -  
Lead Surveyor: -  
Date Created: 02/24/2023 13:23:47  
Last Accessed: 03/02/2023 12:55:17  
Application Software: Infinity 4.0.2

### Customer Details

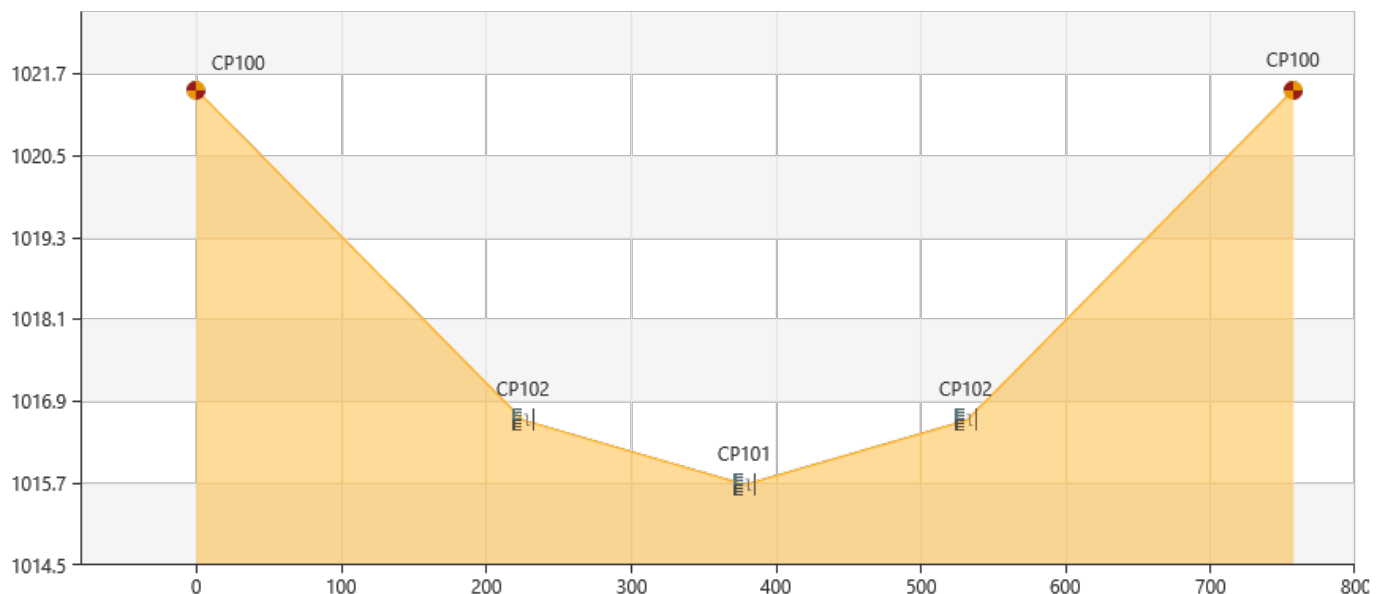
Customer Name: -  
Contact Person: -  
Number: -  
Email: -  
Skype: -  
Website: -

### Master Coordinate System

Coordinate System Name: Carroll\_2  
Transformation Type: -  
Residual Distribution: None  
Ellipsoid: GRS 1980  
Projection Type: Transverse Mercator  
Geoid Model: OH G18 GRS80  
CSCS Model: -

Path: Y:\USERS\survey\PROJECT WISE JOBS\117779\Raw\Control\CAR-164-117779\CAR-164-117779.iprj  
Size: 1.2 MB  
Comments: -

## Level Line Id: LINE00001



### General

Date/Time: 3/2/2023 10:28:32 AM  
Staff One Id: -  
Staff Two Id: -  
Start Point: CP100  
End Point: CP100  
Instrument Type: Dna3/10  
Method: BF  
Stations: 4  
Observations: 8

### Results

Height Difference: 0.0000 ftUS  
Length: 757.6253 ftUS  
Misclosure: 0.0039 ftUS  
Height Error / Point: 0.0010 ftUS  
Total Distance Balance: 0.2717 ftUS  
Total Station Difference: -

### Processing Parameters

Adjustment Method: By Distance  
Staff Corrections: Not Applied

### Points

Point Id	Date/Time	Height [ftUS]	ΔHeight [ftUS]	SD [ftUS]
CP100	3/2/2023 1:01:27 PM	1,021.4520	-	0.0224
CP102	3/2/2023 10:29:58 AM	1,016.6202	-4.8318	0.0008
CP101	3/2/2023 10:33:01 AM	1,015.6783	-0.9418	0.0008

CP102	3/2/2023 10:34:30 AM	1,016.6190	0.9406	0.0011
CP100	3/2/2023 1:01:27 PM	1,021.4520	4.8330	0.0224

Line Tolerances

Allowable Misclosure  $E = a + b \sqrt{L}$ : 0.0144 ftUS  
 a: 0.0066 ftUS  
 b: 0.0208 ftUS/ $\sqrt{\text{mi}}$   
 L (Level Line Length): 0.1435 mi  
 Height Error / Point: 0.0016 ftUS  
 Total Distance Balance: 30.0000 ftUS

Observation Tolerances

Double Observation Check: 0.0033 ftUS  
 Station Difference: 0.0010 ftUS  
 Max. Sight Distance: 130.0000 ftUS  
 Min. Ground Clearance: 1.6000 ftUS

Point Height Tolerances

Height Spread: 0.0656 ftUS  
 Max. Difference From Fixed Height: 0.0328 ftUS

Booking Sheet

Point Id	Type	BS [ftUS]	IS [ftUS]	FS [ftUS]	Rise [ftUS]	Fall [ftUS]	Hz Dist. [ftUS]	$\Delta$ Height [ftUS]	$\Delta$ Height Corr. [ftUS]	Height [ftUS]	Remark
CP100		-	-	-	-	-	-	0.0000	0.0000	1,021.4520	
CP100	BS1	3.5178	-	-	-	-	116.5028	-	-	-	
CP102	FS1	-	-	8.3485	-	4.8307	109.2107	-	-	-	
CP102		-	-	-	-	-	-	-4.8307	-0.0012	1,016.6202	
CP102	BS1	5.1389	-	-	-	-	76.3851	-	-	-	
CP101	FS1	-	-	6.0800	-	0.9410	76.7634	-	-	-	
CP101		-	-	-	-	-	-	-0.9410	-0.0008	1,015.6783	
CP101	BS1	6.0803	-	-	-	-	76.7623	-	-	-	
CP102	FS1	-	-	5.1389	0.9414	-	76.3190	-	-	-	
CP102		-	-	-	-	-	-	0.9414	-0.0008	1,016.6190	
CP102	BS1	8.5801	-	-	-	-	109.2983	-	-	-	
CP100	FS1	-	-	3.7459	4.8334	-	116.3837	-	-	-	
CP100		-	-	-	-	-	-	4.8342	-0.0012	1,021.4520	