

# Level Report

Report created: 04/24/2023 06:26:39

## Project Details

### General

Project Name: Bel-147-24.65\_25.88\_Pid  
118147  
Owner: -  
Lead Surveyor: -  
Date Created: 03/17/2023 06:19:54  
Last Accessed: 04/24/2023 06:19:53  
Application Software: Infinity 4.0.2

### Customer Details

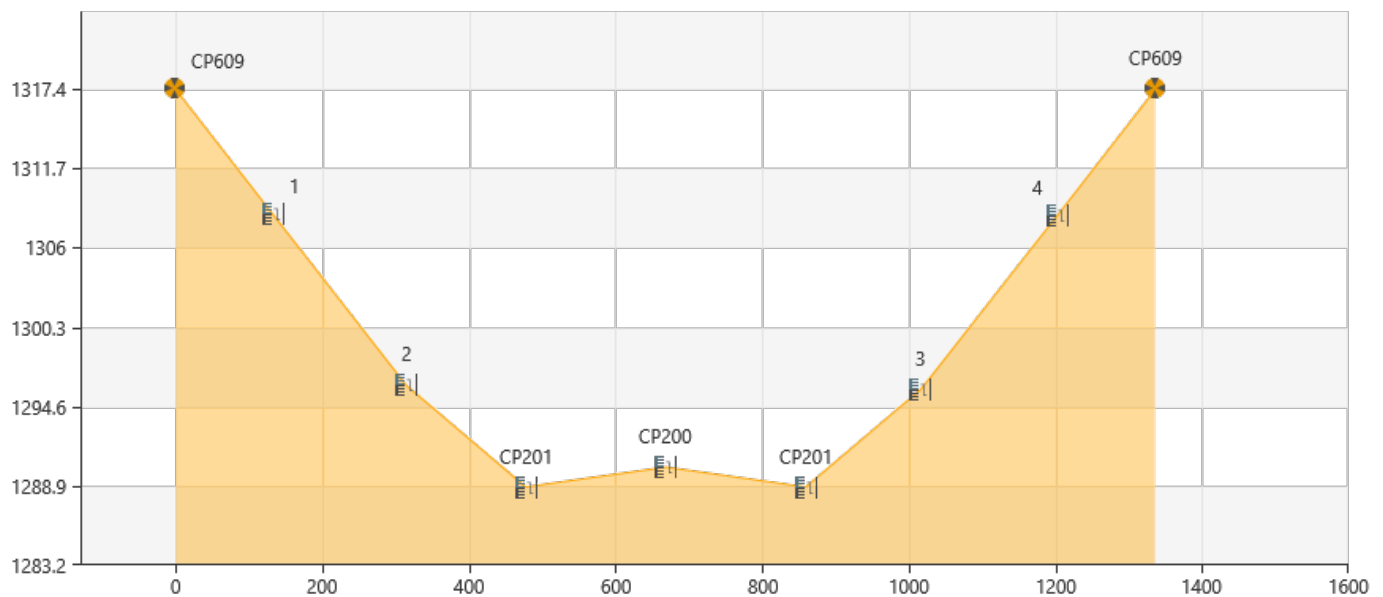
Customer Name: -  
Contact Person: -  
Number: -  
Email: -  
Skype: -  
Website: -

### Master Coordinate System

Coordinate System Name: Belmont  
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\118147\RAW\Bel-147-24.65\_25.88\_Pid 118147\Bel-147-24.65\_25.88\_Pid 118147.iprj  
Size: 1.3 MB  
Comments: -

## Level Line Id: LINE00001



### General

Date/Time: 4/21/2023 11:03:31 AM  
Staff One Id: -  
Staff Two Id: -  
Start Point: CP609  
End Point: CP609  
Instrument Type: Dna3/10  
Method: BF  
Stations: 8  
Observations: 16

### Results

Height Difference: 0.0000 ftUS  
Length: 1,336.0503 ftUS  
Misclosure: 0.0021 ftUS  
Height Error / Point: 0.0003 ftUS  
Total Distance Balance: 27.0685 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]
CP609	3/17/2023 6:43:30 AM	1,317.3730	-	0.0137
1	4/21/2023 11:04:56 AM	1,308.3954	-8.9776	0.0002
2	4/21/2023 11:09:25 AM	1,296.1284	-12.2670	0.0004

CP201	4/21/2023 11:12:37 AM	1,288.8253	-7.3031	0.0006
CP200	4/21/2023 11:15:55 AM	1,290.2518	1.4265	0.0007
CP201	4/21/2023 11:17:28 AM	1,288.8257	-1.4261	0.0009
3	4/21/2023 11:21:51 AM	1,295.8343	7.0086	0.0009
4	4/21/2023 11:25:03 AM	1,308.3814	12.5471	0.0010
CP609	3/17/2023 6:43:30 AM	1,317.3730	8.9916	0.0137

Line Tolerances

Allowable Misclosure E = a 0.0170 ftUS  
 + b √ L:  
 a: 0.0066 ftUS  
 b: 0.0208 ftUS/√mi  
 L (Level Line Length): 0.2530 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 0.0328 ftUS  
 Height:

Booking Sheet

Point Id	Type	BS [ftUS]	IS [ftUS]	FS [ftUS]	Rise [ftUS]	Fall [ftUS]	Hz Dist. [ftUS]	ΔHeight [ftUS]	ΔHeight Corr. [ftUS]	Height [ftUS]	Remark
CP609		-	-	-	-	-	-	0.0000	0.0000	1,317.3730	
CP609	BS1	3.1433	-	-	-	-	42.6928	-	-	-	
1	FS1	-	-	12.1207	-	8.9774	90.0296	-	-	-	
1		-	-	-	-	-	-	-8.9774	-0.0002	1,308.3954	
1	BS1	0.6569	-	-	-	-	63.7271	-	-	-	
2	FS1	-	-	12.9237	-	12.2668	118.0129	-	-	-	
2		-	-	-	-	-	-	-12.2668	-0.0003	1,296.1284	
2	BS1	0.9199	-	-	-	-	108.1213	-	-	-	
CP201	FS1	-	-	8.2227	-	7.3028	54.7131	-	-	-	
CP201		-	-	-	-	-	-	-7.3028	-0.0003	1,288.8253	
CP201	BS1	7.2365	-	-	-	-	120.5301	-	-	-	
CP200	FS1	-	-	5.8097	1.4268	-	70.5913	-	-	-	
CP200		-	-	-	-	-	-	1.4268	-0.0003	1,290.2518	
CP200	BS1	5.8100	-	-	-	-	70.5817	-	-	-	
CP201	FS1	-	-	7.2357	-	1.4258	120.4838	-	-	-	
CP201		-	-	-	-	-	-	-1.4258	-0.0003	1,288.8257	
CP201	BS1	8.2430	-	-	-	-	59.3803	-	-	-	
3	FS1	-	-	1.2342	7.0088	-	97.4887	-	-	-	
3		-	-	-	-	-	-	7.0088	-0.0002	1,295.8343	
3	BS1	13.5401	-	-	-	-	126.5115	-	-	-	
4	FS1	-	-	0.9927	12.5474	-	60.4929	-	-	-	
4		-	-	-	-	-	-	12.5474	-0.0003	1,308.3814	
4	BS1	12.1516	-	-	-	-	90.0147	-	-	-	
CP609	FS1	-	-	3.1598	8.9918	-	42.6786	-	-	-	
CP609		-	-	-	-	-	-	8.9918	-0.0002	1,317.3730	