

Level Report

Report created: 11/22/2019 09:38:40

Project Details

General

Project Name: US20 ODOT
 Owner: -
 Lead Surveyor: Wilson, Casey
 Date Created: 11/21/2019 09:39:51
 Last Accessed: 11/21/2019 13:54:42
 Application Software: Infinity 3.2

Customer Details

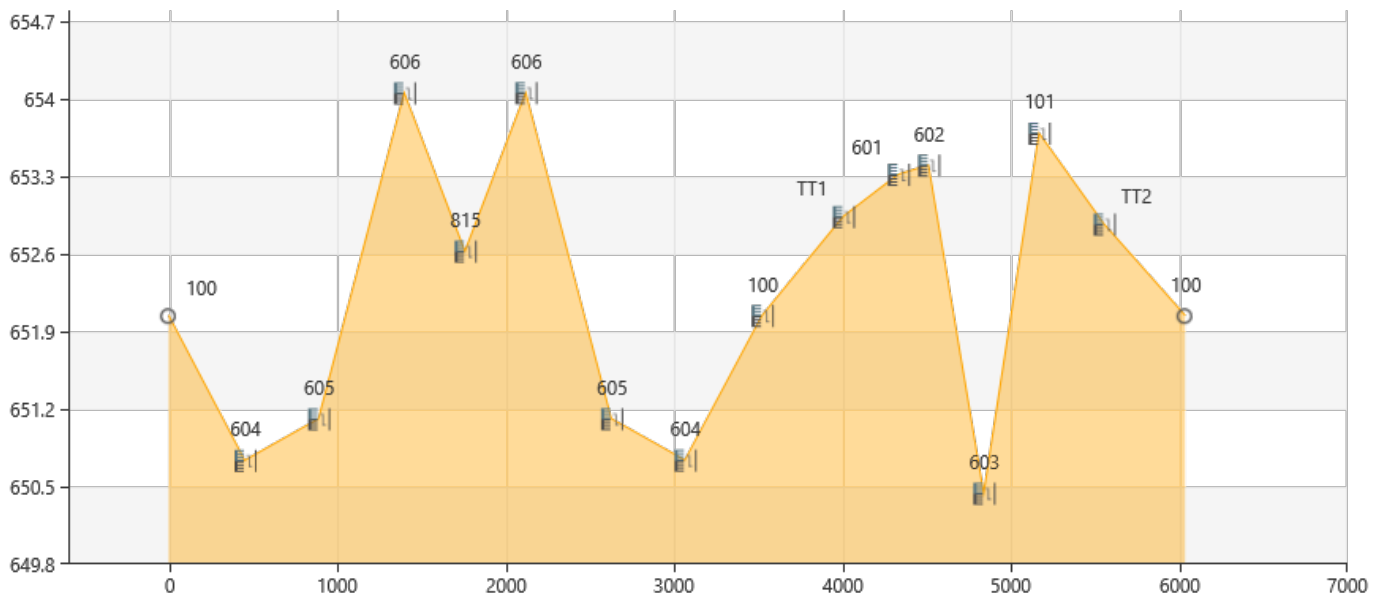
Customer Name: -
 Contact Person: -
 Number: -
 Email: -
 Skype: -
 Website: -

Master Coordinate System

Coordinate System Name: OH N NAD83 12B
 Transformation Type: Classical 3D
 Residual Distribution: None
 Ellipsoid: GRS 1980
 Projection Type: Lambert two
 Geoid Model: OHGeoid12B GRS80
 CSCS Model: -

Path: C:\Users\andrew.wilson1\Documents\Leica Geosystems\Infinity\Projects\US20 ODOT\US20 ODOT.iprj
 Size: 12.0 MB
 Comments: -

Level Line Id: Line 001



General

Date/Time: 11/21/2019 7:00:10 PM
 Staff One Id: -
 Staff Two Id: -
 Start Point: 100
 End Point: 100
 Instrument Type:
 Method: BF
 Stations: 15
 Observations: 30

Results

Height Difference: 0.000 ftUS
 Length: 6,039.465 ftUS
 Misclosure: -0.007 ftUS
 Height Error / Point: 0.000 ftUS
 Total Distance Balance: **-340.306 ftUS**
 Total Station Difference: -

Processing Parameters

Adjustment Method: Equally
 Staff Corrections: Not Applied

Points

Point Id	Date/Time	Height [ftUS]	ΔHeight [ftUS]	SD [ftUS]
100	11/21/2019 11:58:35 AM	652.039	-	-
604	11/21/2019 7:00:15 PM	650.731	-1.308	0.001

605	11/21/2019 7:00:19 PM	651.106	0.375	0.001
606	11/21/2019 7:00:23 PM	654.049	2.942	0.001
815	11/21/2019 7:00:27 PM	652.620	-1.429	0.002
606	11/21/2019 7:00:31 PM	654.051	1.431	0.002
605	11/21/2019 7:00:35 PM	651.108	-2.944	0.002
604	11/21/2019 7:00:39 PM	650.734	-0.374	0.002
100	11/21/2019 7:00:11 PM	652.039	1.305	0.003
TT1	11/21/2019 7:00:47 PM	652.933	0.894	0.002
601	11/21/2019 7:00:51 PM	653.313	0.381	0.003
602	11/21/2019 7:00:55 PM	653.397	0.083	0.003
603	11/21/2019 7:00:59 PM	650.436	-2.961	0.003
101	11/21/2019 7:01:03 PM	653.685	3.250	0.003
TT2	11/21/2019 7:01:07 PM	652.865	-0.821	0.003
100	11/21/2019 11:58:35 AM	652.039	-0.826	-

Line Tolerances

Allowable Misclosure $E = a + b \sqrt{L}$
 a: 0.007 ftUS
 b: 0.021 ftUS/ \sqrt{mi}
 L (Level Line Length): 1.144 mi
 Height Error / Point: 0.002 ftUS
 Total Distance Balance: 32.808 ftUS

Observation Tolerances

Double Observation Check: 0.003 ftUS
 Station Difference: 0.001 ftUS
 Max. Sight Distance: 131.233 ftUS
 Min. Ground Clearance: 1.640 ftUS

Point Height Tolerances

Height Spread: 0.066 ftUS
 Max. Difference From Fixed Height: 0.033 ftUS

Booking Sheet

Point Id	BS [ftUS]	IS [ftUS]	FS [ftUS]	Rise [ftUS]	Fall [ftUS]	Hz Dist. [ftUS]	Δ Height [ftUS]	Δ Height Corr. [ftUS]	Height [ftUS]	Remark
100	-	-	-	-	-	-	0.000	0.000	652.039	
100	4.096	-	-	-	-	186.759	-	-	-	
604	-	-	5.404	-	1.308	265.528	-	-	-	
604	-	-	-	-	-	-	-1.308	0.000	650.731	
604	5.227	-	-	-	-	243.069	-	-	-	
605	-	-	4.852	0.375	-	194.837	-	-	-	
605	-	-	-	-	-	-	0.375	0.000	651.106	
605	5.659	-	-	-	-	245.900	-	-	-	
606	-	-	2.717	2.942	-	263.262	-	-	-	
606	-	-	-	-	-	-	2.942	0.000	654.049	
606	4.860	-	-	-	-	185.582	-	-	-	
815	-	-	6.289	-	1.429	175.338	-	-	-	
815	-	-	-	-	-	-	-1.429	0.000	652.620	
815	6.513	-	-	-	-	175.253	-	-	-	
606	-	-	5.082	1.431	-	185.575	-	-	-	
606	-	-	-	-	-	-	1.431	0.000	654.051	
606	2.693	-	-	-	-	263.250	-	-	-	
605	-	-	5.637	-	2.944	245.920	-	-	-	
605	-	-	-	-	-	-	-2.944	0.000	651.108	
605	4.686	-	-	-	-	186.219	-	-	-	
604	-	-	5.060	-	0.374	250.065	-	-	-	
604	-	-	-	-	-	-	-0.374	0.000	650.734	
604	5.117	-	-	-	-	206.402	-	-	-	
100	-	-	3.814	1.304	-	252.476	-	-	-	
100	-	-	-	-	-	-	1.304	0.000	652.039	
100	5.251	-	-	-	-	268.912	-	-	-	
TT1	-	-	4.357	0.894	-	213.236	-	-	-	
TT1	-	-	-	-	-	-	0.894	0.000	652.933	
TT1	4.423	-	-	-	-	158.027	-	-	-	
601	-	-	4.043	0.380	-	168.959	-	-	-	
601	-	-	-	-	-	-	0.380	0.000	653.313	
601	4.042	-	-	-	-	26.245	-	-	-	
602	-	-	3.959	0.083	-	153.533	-	-	-	
602	-	-	-	-	-	-	0.083	0.000	653.397	
602	4.127	-	-	-	-	153.655	-	-	-	
603	-	-	7.088	-	2.962	174.466	-	-	-	
603	-	-	-	-	-	-	-2.962	0.000	650.436	
603	7.266	-	-	-	-	174.498	-	-	-	
101	-	-	4.016	3.249	-	153.989	-	-	-	
101	-	-	-	-	-	-	3.249	0.000	653.685	
101	4.134	-	-	-	-	173.775	-	-	-	
TT2	-	-	4.955	-	0.821	212.624	-	-	-	
TT2	-	-	-	-	-	-	-0.821	0.000	652.865	
TT2	4.312	-	-	-	-	202.034	-	-	-	
100	-	-	5.138	-	0.826	280.075	-	-	-	
100	-	-	-	-	-	-	-0.826	0.000	652.039	