Survey Report

Job name	190-0-varosh
Creation date	3 Aug 2025
Version	Trimble General Survey 3.21
Distance Units	Meters
Angle units	Gons
Pressure Units	mbar
Temperature Units	Celsius

Coordinate system (Job)

System	
Zone	
Datum	

Projection

Projection	Transverse Mercator
Origin lat	0°00'00.00000"N
Origin long	21°00'00.00000"E
False northing	0.000
False easting	7500000.000
Scale	0.99990000
South azimuth (grid)	No
Grid coords	Increase North-East
Ellipsoid	Semi-major axis: 6378137.000 Flattening: 298.25722154

Local site

Type	Grid

Datum transformation

Type	None

Collected Field Data

Projection

Projection	Transverse Mercator
Origin lat	0°00'00.00000"N
Origin long	21°00'00.00000"E
False northing	0.000
False easting	7500000.000
Scale	0.99990000
Ellipsoid	Semi-major axis: 6378137.000 Flattening: 298.25722154

Local site

Type	Grid

Datum transformation

Type	None

Feature library

Library name	LIRIDON
Library File Name	LIRIDON.fxl
Attribute Support	No

Corrections

South azimuth (grid)	No
Grid coords	Increase North-East
Magnetic declination	0.0000
Distances	Grid
Neighborhood adjustment	Off

Rover options

Elevation mask	13	**PDOP mask**	6						

Rover options

Elevation mask	13	**PDOP mask**	6						

Survey event

Survey event	Rover started

Note	VRS base: 42°20'41.95980", 21°10'51.35880", 594.806m

Initialization event: RTK initialized

GPS week	2378	Seconds	30599	Initialization type	On the fly	Survey type	Real-time		

GNSS receiver

Receiver type	R10
Serial number	5452489155
Firmware version	4.9
Antenna type	R10 Internal
Measurement method	Bottom of quick release
Tape adjustment	0.000
Horizontal offset	0.000
Vertical offset	0.199

Point	Auto0000	X	4402751.692	Y	1706011.709	Z	4274393.658	Code	Ndarjet 13050
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	2.000	Type	Uncorrected	Hz Prec	0.014	Vt Prec	0.019		
QC 1		PDOP	1.7	GDOP	2.3	HDOP	1.0	VDOP	1.4
		Base data age	1	Satellites	11	Positions used	1		
Stake out point (Auto0000)		Design point: Ndarjet 13050Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.003	Δ East	0.024	ΔElev	-595.905		

Point	Auto0001	X	4402750.967	Y	1706009.802	Z	4274395.052	Code	ParcelaB 12848
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	2.000	Type	Uncorrected	Hz Prec	0.022	Vt Prec	0.024		
QC 1		PDOP	1.7	GDOP	2.2	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	11	Positions used	1		
Stake out point (Auto0001)		Design point: ParcelaB 12848Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.034	Δ East	0.003	ΔElev	-595.835		

Point	Auto0002	X	4402727.990	Y	1706030.638	Z	4274413.049	Code	Ndarjet 13049
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	2.000	Type	Uncorrected	Hz Prec	0.013	Vt Prec	0.020		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		
Stake out line (Auto0002)		Line name: Ndarjet 13049 Code:							
Method		To the line							
Station		38.915							
Elevation		0.000							
Stakeout	Deltas: Grid	Δ North	-0.001	Δ East	0.001	ΔElev	-597.686		
Stakeout	Deltas: Linear	Δ Station	?	ΔOffset	-0.002	ΔElev	-597.686	Grade to line	-31440020.28%

Point	Auto0003	X	4402703.168	Y	1706051.445	Z	4274434.864	Code	Ndarjet 13025
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.016	Vt Prec	0.026		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		
Stake out point (Auto0003)		Design point: Ndarjet 13025Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.004	Δ East	-0.005	ΔElev	-601.131		

Point	Auto0004	X	4402703.330	Y	1706048.832	Z	4274435.626	Code	ParcelaB 12844
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.018	Vt Prec	0.028		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	3	Satellites	12	Positions used	1		
Stake out point (Auto0004)		Design point: ParcelaB 12844Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.001	Δ East	0.001	ΔElev	-601.058		

Point	Auto0005	X	4402698.081	Y	1706056.084	Z	4274439.063	Code	ParcelaB 13016
		Method	Network RTK	Type	Rapid point	Search class	As-staked		

Antenna height	1.700	Type	Uncorrected	Hz Prec	0.017	Vt Prec	0.027		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		

Stake out point (Auto0005)		Design point: ParcelaB 13016Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.008	Δ East	0.002	ΔElev	-601.693		

Point	Auto0006	X	4402688.704	Y	1706064.725	Z	4274447.145	Code	ParcelaB 12948
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.018	Vt Prec	0.028		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		

Stake out point (Auto0006)		Design point: ParcelaB 12948Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.010	Δ East	-0.016	ΔElev	-602.982		

Point	Auto0007	X	4402687.391	Y	1706071.742	Z	4274446.123	Code	ParcelaB 12952
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.018	Vt Prec	0.028		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		

Stake out point (Auto0007)		Design point: ParcelaB 12952Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.027	Δ East	0.046	ΔElev	-603.262		

Point	Auto0008	X	4402685.011	Y	1706074.728	Z	4274447.831	Code	muri
		Method	Network RTK	Type	Rapid point	Search class	Normal		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.023	Vt Prec	0.037		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		

Point	Auto0009	X	4402687.079	Y	1706092.484	Z	4274439.442	Code	muri
		Method	Network RTK	Type	Rapid point	Search class	Normal		
Antenna height	2.400	Type	Uncorrected	Hz Prec	0.018	Vt Prec	0.029		
QC 1		PDOP	1.6	GDOP	2.2	HDOP	1.0	VDOP	1.3
		Base data age	1	Satellites	11	Positions used	1		

Point	Auto0010	X	4402687.431	Y	1706102.188	Z	4274434.124	Code	muri
		Method	Network RTK	Type	Rapid point	Search class	Normal		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.019	Vt Prec	0.033		
QC 1		PDOP	2.4	GDOP	3.4	HDOP	1.3	VDOP	2.1
		Base data age	1	Satellites	10	Positions used	1		

Line

Line		Name: Line0002 Code:							
Definition		Two points							
Start point		Auto0010							
End point		Auto0008							
Station details		Start station: 0.000 Station interval: ?							
Point	v4	North	4689526.700	East	7515009.335	Elevation	0.300	Code	muri
Point	Auto0011	X	4402688.743	Y	1706114.162	Z	4274428.454	Code	v4
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.040	Vt Prec	0.064		
QC 1		PDOP	2.2	GDOP	3.0	HDOP	1.3	VDOP	1.7
		Base data age	4	Satellites	10	Positions used	1		

Stake out point (Auto0011)		Design point: v4Code: muri							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.017	Δ East	-0.018	ΔElev	-603.321		

Point	Auto0012	X	4402702.365	Y	1706064.126	Z	4274431.220	Code	ParcelaB 12857
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.018	Vt Prec	0.028		
QC 1		PDOP	2.1	GDOP	2.9	HDOP	1.2	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	1		

Stake out point (Auto0012)		Design point: ParcelaB 12857Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.041	Δ East	-0.009	ΔElev	-601.509		

Point	Auto0013	X	4402721.790	Y	1706049.334	Z	4274413.828	Code	ParcelaB 12856
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.021	Vt Prec	0.034		
QC 1		PDOP	2.1	GDOP	2.9	HDOP	1.2	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	1		

Stake out point (Auto0013)		Design point: ParcelaB 12856Code:							
Method		To the point							

Stakeout	Deltas: Grid	Δ North	0.000	Δ East	-0.029	ΔElev	-599.231		

Point	Auto0014	X	4402756.154	Y	1706024.077	Z	4274384.195	Code	ParcelaB 12852
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.018	Vt Prec	0.029		
QC 1		PDOP	2.1	GDOP	2.9	HDOP	1.2	VDOP	1.7
		Base data age	1	Satellites	11	Positions used	1		

Stake out point (Auto0014)		Design point: ParcelaB 12852Code:							
Method		To the point							

Stakeout	Deltas: Grid	Δ North	0.012	Δ East	-0.004	ΔElev	-596.208		

Point	Auto0015	X	4402759.545	Y	1705950.244	Z	4274406.807	Code	ParcelaB 14263
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.020	Vt Prec	0.032		
QC 1		PDOP	1.8	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	10	Positions used	1		

Stake out point (Auto0015)		Design point: ParcelaB 14263Code:							
Method		To the point							

Stakeout	Deltas: Grid	Δ North	0.028	Δ East	0.042	ΔElev	-594.059		

Point	Auto0016	X	4402760.821	Y	1705954.117	Z	4274403.873	Code	ParcelaB 14288
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.020	Vt Prec	0.030		
QC 1		PDOP	1.8	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	10	Positions used	1		

Stake out point (Auto0016)		Design point: ParcelaB 14288Code:							
Method		To the point							

Stakeout	Deltas: Grid	Δ North	-0.005	Δ East	0.003	ΔElev	-593.997		

Point	Auto0017	X	4402785.185	Y	1705922.513	Z	4274388.913	Code	ParcelaB 14262
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.019	Vt Prec	0.028		
QC 1		PDOP	1.8	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	10	Positions used	1		

Stake out point (Auto0017)		Design point: ParcelaB 14262Code:							
Method		To the point							

Stakeout	Deltas: Grid	Δ North	0.024	Δ East	0.014	ΔElev	-592.272		

Initialization event: RTK not initialized

GPS week	2378	Seconds	33082	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK initialized

GPS week	2378	Seconds	33098	Initialization type	On the fly	Survey type	Real-time		

Point	Auto0018	X	4402753.730	Y	1705934.696	Z	4274417.786	Code	ParcelaB 14246
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.015	Vt Prec	0.023		
QC 1		PDOP	1.9	GDOP	2.6	HDOP	1.0	VDOP	1.6
		Base data age	1	Satellites	10	Positions used	1		

Stake out point (Auto0018)		Design point: ParcelaB 14246Code:							
Method		To the point							

Stakeout	Deltas: Grid	Δ North	-0.005	Δ East	0.006	ΔElev	-593.296		

Initialization event: RTK not initialized

GPS week	2378	Seconds	33434	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK initialized

GPS week	2378	Seconds	33437	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK not initialized

GPS week	2378	Seconds	33441	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK initialized

GPS week	2378	Seconds	33442	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK not initialized

GPS week	2378	Seconds	33486	Initialization type	On the fly	Survey type	Real-time		

Initialization event: RTK initialized

GPS week	2378	Seconds	33509	Initialization type	On the fly	Survey type	Real-time		

Point	Auto0019	X	4402797.842	Y	1705914.460	Z	4274378.490	Code	ParcKojs 13955
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.012	Vt Prec	0.016		
QC 1		PDOP	1.6	GDOP	2.1	HDOP	0.9	VDOP	1.3
		Base data age	1	Satellites	11	Positions used	1		

Stake out point (Auto0019)		Design point: ParcKojs 13955Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	-0.001	Δ East	-0.005	ΔElev	-591.824		

Point	Auto0020	X	4402804.896	Y	1705929.922	Z	4274364.792	Code	ParcKojs 13798
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.013	Vt Prec	0.017		
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.8	VDOP	1.3
		Base data age	1	Satellites	12	Positions used	1		

Stake out point (Auto0020)		Design point: ParcKojs 13798Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.008	Δ East	0.013	ΔElev	-591.587		

Point	Auto0021	X	4402766.816	Y	1705969.813	Z	4274391.584	Code	ParcKojs 13772
		Method	Network RTK	Type	Rapid point	Search class	As-staked		
Antenna height	1.700	Type	Uncorrected	Hz Prec	0.013	Vt Prec	0.017		
QC 1		PDOP	1.5	GDOP	2.0	HDOP	0.8	VDOP	1.2
		Base data age	1	Satellites	13	Positions used	1		

Stake out point (Auto0021)		Design point: ParcKojs 13772Code:							
Method		To the point							
Stakeout	Deltas: Grid	Δ North	0.007	Δ East	0.018	ΔElev	-594.042		

Survey event

Survey event	End survey

Reduced points

Point	Auto0000	North	4689486.120	East	7514891.186	Elevation	595.905	Code	Ndarjet 13050
Point	Auto0001	North	4689488.066	East	7514889.666	Elevation	595.835	Code	ParcelaB 12848
Point	Auto0002	North	4689510.783	East	7514917.343	Elevation	597.686	Code	Ndarjet 13049
Point	Auto0003	North	4689537.488	East	7514945.650	Elevation	601.131	Code	Ndarjet 13025
Point	Auto0004	North	4689538.579	East	7514943.154	Elevation	601.058	Code	ParcelaB 12844
Point	Auto0005	North	4689542.670	East	7514951.802	Elevation	601.693	Code	ParcelaB 13016
Point	Auto0006	North	4689552.452	East	7514963.224	Elevation	602.981	Code	ParcelaB 12948
Point	Auto0007	North	4689550.828	East	7514970.244	Elevation	603.262	Code	ParcelaB 12952
Point	Auto0008	North	4689552.867	East	7514973.883	Elevation	603.570	Code	muri
Point	Auto0009	North	4689541.082	East	7514989.714	Elevation	603.386	Code	muri
Point	Auto0010	North	4689534.589	East	7514998.648	Elevation	603.338	Code	muri
Point	v4	North	4689526.700	East	7515009.335	Elevation	0.300	Code	muri
Point	Auto0011	North	4689526.683	East	7515009.354	Elevation	603.621	Code	v4

Point	Auto0012	North	4689532.240	East	7514957.774	Elevation	601.509	Code	ParcelaB 12857
Point	Auto0013	North	4689510.744	East	7514937.012	Elevation	599.231	Code	ParcelaB 12856
Point	Auto0014	North	4689473.337	East	7514901.132	Elevation	596.208	Code	ParcelaB 12852
Point	Auto0015	North	4689505.733	East	7514831.006	Elevation	594.059	Code	ParcelaB 14263
Point	Auto0016	North	4689501.828	East	7514834.163	Elevation	593.997	Code	ParcelaB 14288
Point	Auto0017	North	4689483.083	East	7514795.938	Elevation	592.272	Code	ParcelaB 14262
Point	Auto0018	North	4689521.255	East	7514818.578	Elevation	593.296	Code	ParcelaB 14246
Point	Auto0019	North	4689469.366	East	7514783.887	Elevation	591.824	Code	ParcKojs 13955
Point	Auto0020	North	4689451.077	East	7514795.793	Elevation	591.587	Code	ParcKojs 13798
Point	Auto0021	North	4689485.189	East	7514846.666	Elevation	594.042	Code	ParcKojs 13772