

Rajapass

10 000m Rapla rada

Mõõtja: Kaarel Piibeleht

10 000m rada Raplas

Rada asetseb Rapla linnas ning selle ümbruses. Raja mõõtmiseks kasutati mõõteriista “Jones Counter”. Tuleb välja tuua, et jooksurada asetseb terve raja ulatuses auto teel, mitte kergliiklusteel. Raja marsruut on välja toodud lisades 1-9.

Kalibreerimiseks mõeldud sirge

Kalibreerimiseks kasutati sirget, kus asub ka jooksuraja start ning finiš. Sirge mahamärgimiseks kasutati 100m metallist mõõdulinti ning kruvisid.

Rapla calibration course steel taping data sheet

Measurement and calculations

Table 1. First measurement

	Distance per tape length (m)	Measured distance (m)
1x	99.924	99.924

Table 2. Second measurement

	Distance per tape length (m)	Measured distance (m)
1x	99.918	99.918

Average raw(uncorrected) measurement of course: 99.921

Temperature correction

Formula: $1 + [0,0000116 \times (\text{outside temperature} - 20)]$

Correction factor: $1 + [0,0000116 \times (22 - 20)] = 1.0000232$

Length after the correction: $99.921 \times 1.0000232 = 99.923$

Bicycle calibration data sheet in Rapla

Table 3. Calibration before measuring the course

Ride	Start	Finish	Difference		
1	631800	632971	1171	Average count	1170.75
2	633000	634170	1170	Start time	16.00
3	634200	635371	1171	Finish time	16.20
4	635400	636571	1171	Temperature	18
Working constant		11716.522	1.001	=	11728.239

Table 4. Calibration after measuring the course

Ride	Start	Finish	Difference		
1	871900	873071	1171	Average count	1170.75
2	873100	874271	1171	Start time	20.00
3	874300	875470	1170	Finish time	20.15
4	875500	876671	1171	Temperature	18
Working constant		11716.522	1.001	=	11728.239

Constant for the day	11728.239	Counts/km	1count	0.08526429	m
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Course measuring data sheet for 10 000m track in Rapla

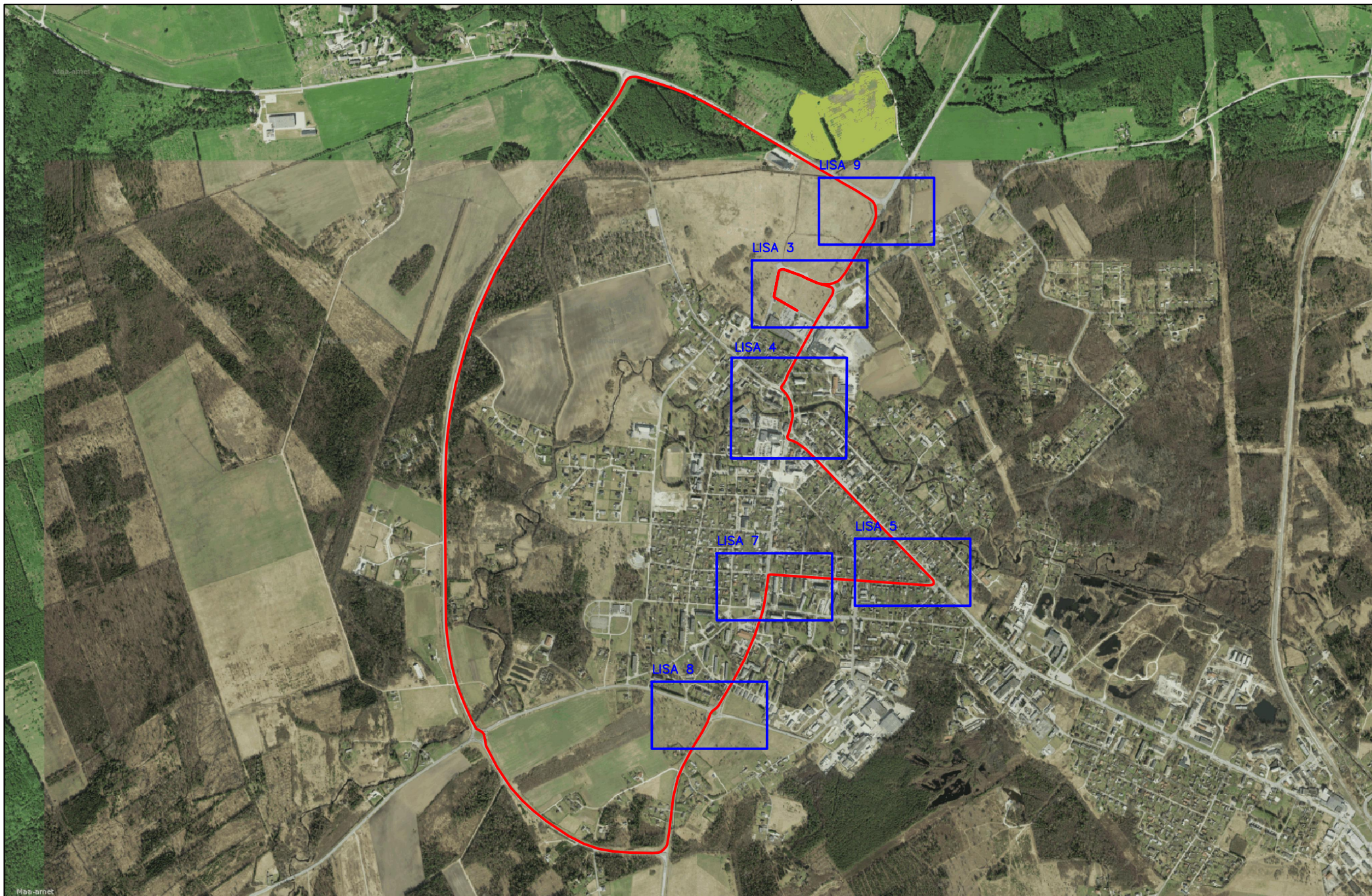
Table 5. Measurement data

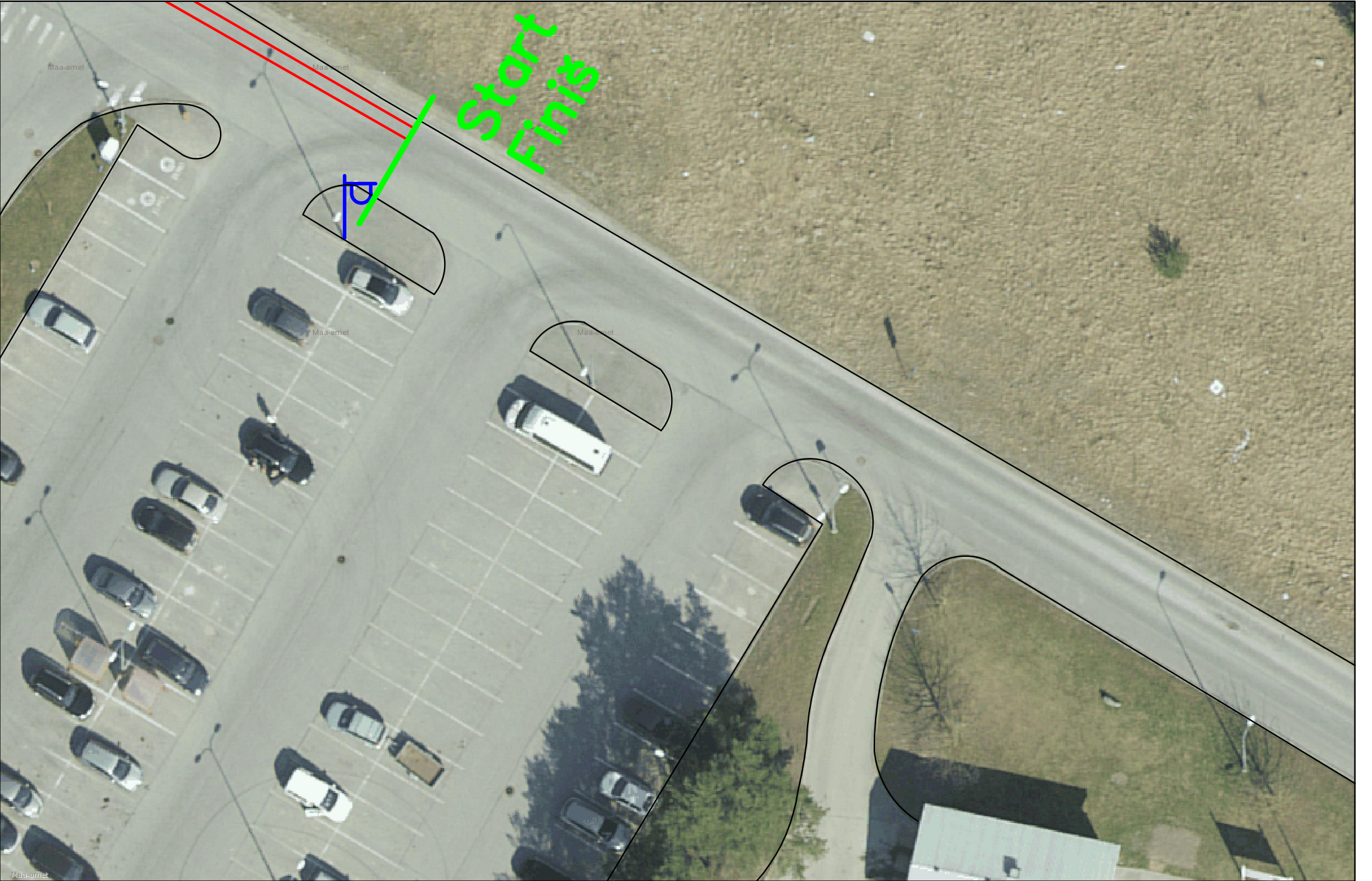
Measured point	Counts recorded	Laps(s)	Distane from last point		Cummulative distance in metres
			Intermediate counts	Intermediate distance in metres	
Start/finish	637200	1			
Liiklusmärk 536bv enne kirikut	646395	1	9195	784.005	784.005
Liiklusmärk 361 Pizza kioski vastas	651282	1	4887	416.687	1200.692
Liiklusmärk 537bv lisatahvliga 200m	659597	1	8315	708.973	1909.664
1. Valge tähispost peale Järvakandi tee pealt maha pööramist	683655	1	24058	2051.288	3960.953
Liiklusmärk 221 koos 200m lisatahvliga enne Rapla-varbola teed	727562	1	43907	3743.699	7704.652
Asfaldi joon enne viimast sirget	752445	1	24883	2121.631	9826.283
Finish	754495	1	2050	174.792	10001.075
Desired length for the course	10 000m	m	Measured length of the course	10001.075	m

Table 6. Measurement data 2

			Distane from last point		
Measured point	Counts recorded	Laps(s)	Intermediate counts	Intermediate distance in metres	Cummulative distance in metres
Start/finish	754500	1			
Liiklusmärk 536bv enne kirikut	763697	1	9197	784.176	784.176
Liiklusmärk 361 Pizza kioski vastas	768583	1	4886	416.601	1200.777
Liiklusmärk 537bv lisatahvliga 200m	776899	1	8316	709.058	1909.835
1. valge tähispost peale Järvakandi tee pealt maha pööramist	800954	1	24055	2051.033	3960.867
Liiklusmärk 221 koos 200m lisatahvliga enne Rapla-varbola teed	844865	1	43911	3744.040	7704.908
Asfaldi joon enne viimast sirget	869751	1	24886	2121.887	9826.795
Lõpp	871801	1	2050	174.792	10001.587
Desired length for the course	10 000m	m	Measured length of the course	10001.587	m

Lisa 1. Üldplaan





Lisa 3. Esimesed ringid



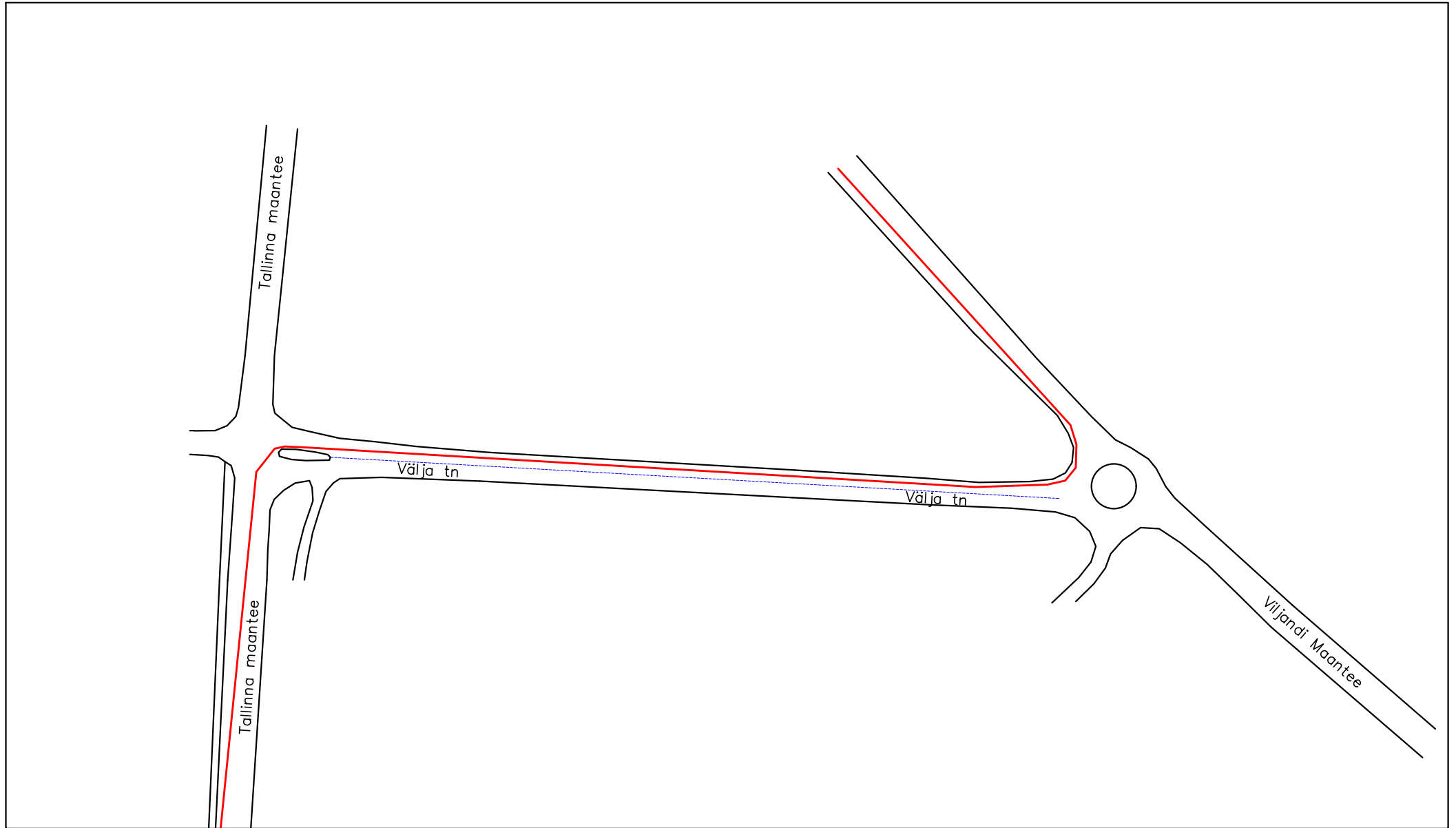
Lisa 4. Ringristmikud kiriku juures



Lisa 5. Ringristmik Välja tänavale

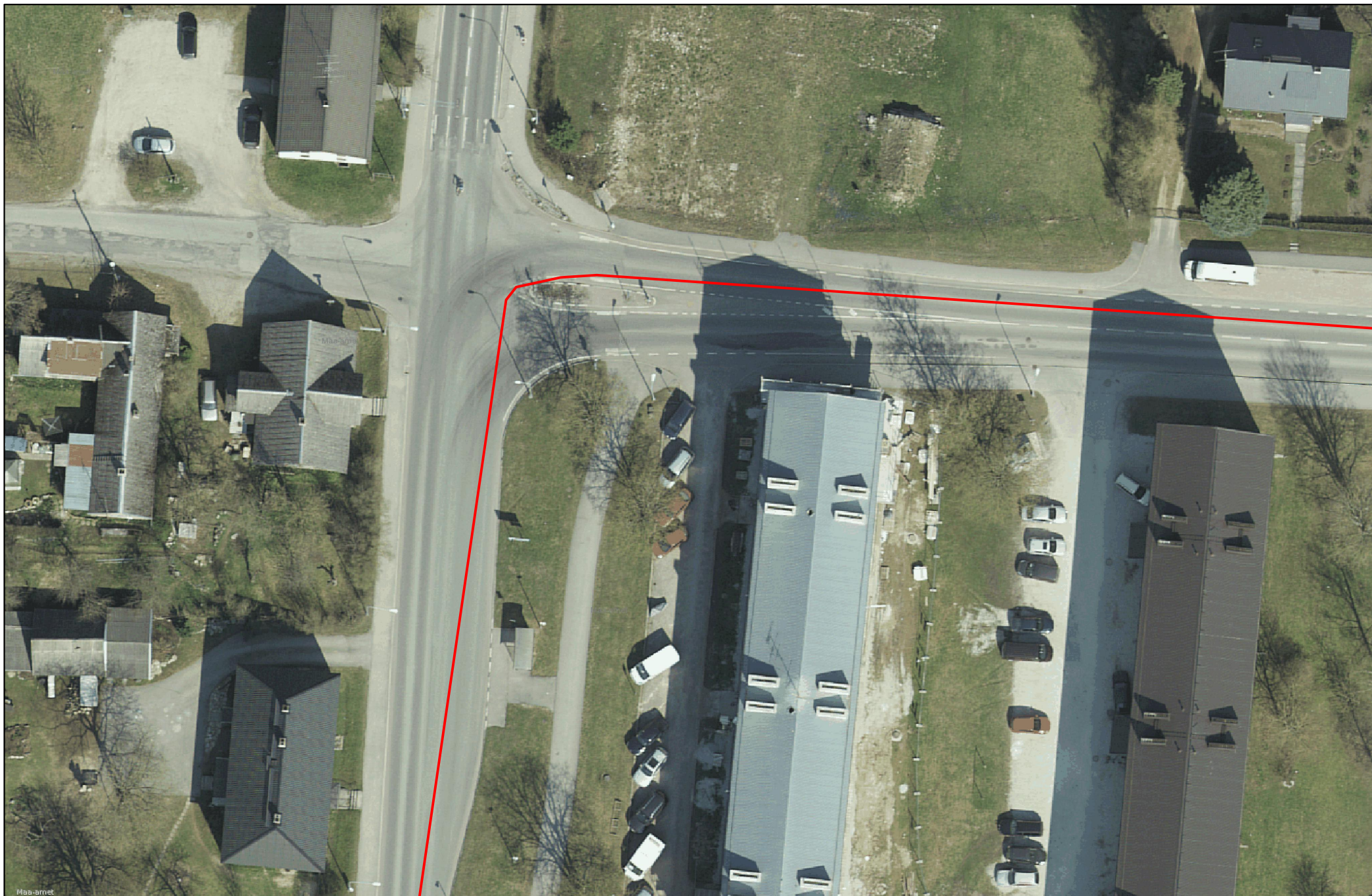


Lisa 6. Välja tn skeem



- Jooksja teekond
- Sõiduraja eraldusjoon

Lisa 7. Välja tn ja Tallinna mnt ristmik



Lisa 8. Ringristmik mnt nr 27



Lisa 9. Ringristmik mnt nr 15

