

APPLICATION FOR THE CERTIFICATION OF A ROAD RACE

Name of event:	Tartu City Marathon		
City, Country:	Tartu, Estonia		
Race distance:	21.1km, 42.2km	Race date:	3/10/2026
Race director:	Assar Kütt, CLUB TARTU MARATON https://tartumaraton.ee/en/contact		
Phone:	-	Email:	kyttassar@gmail.com
Measurement team lead:	Arturs Onzuls (A)		
Address:	Jurmalas gatve 92-74, Riga, Latvia LV-1029		
Phone:	37128606372	Email:	arturs.onzuls@gmail.com
Location of start:	Vabaduse pst, lamp post, photo taken		
Location of finish:	Rakekoja plats, opposite to shop doors, photo taken		
Type of terrain:	asphalt		
Type of course:	Point to point		
Distance in straight line, between start and finish:	166m		

SUMMARY OF MEASUREMENT

Location of calibration course:	on the course		
Lenght of calibration course:	300m		
Date measured:	27-Sept-2025		
Method used:	Jones counter		
Times measured:	2		
Measurement team leader:	Arturs Onzuls (A)		
Address of team leader:	Jurmallas gatve 92-74, Riga, Latvia LV-1029		
Phone of team leader:	37128606372		
Email of team leader:	arturs.onzuls@gmail.com		
Team members:	Assar Kütt		
Calibration course is:	straight		
Start and finish lines marked:	tape		

OVERVIEW OF THE MEASUREMENT PROCEDURE

Calibration course is 300m, located on the course. Start for all distances located on Vabaduse pst, lamp post, photo taken (slides 15 and 16). Finish for all distances Rakekoja plats, opposite to shop doors, photo taken (slide 23). Half marathon is doing turn-around after 7.38km+0.034km [adjustment], marathon is running forward and then back using the same route as half marathon. For marathon we also made adjustment at around 5.5km – extended course by 54m on turn around. Course mainly is on pedestrian roads with few gravel parts near the finish and car roads out of town.

Start to P1 - 7.383143756km

P1 to P1 - 21.05262458km

P1 to Finish - 13.64474682km

Measured marathon - 42.080km

Missing on turn-around - 0.05724km

Measured half-marathon - 21.02789m

Missing on turn-around - 0.03480km

STEEL TAPING DATA SHEET

Name of calibration course:	On the course		
City, Country:	Tartu, Estonia		
Date:	300		
Start time:	19:35	Start temp (C): 14	reused from previous year
Finish time:	19:55	Finish Temp (C): 14	reused from previous year
Measuremens and calculations	tape lengths x distance per tape length + partial tape lenght		6x50
1st measurement (m):	300.000		
2nd measurement (m):	300.002		
Average raw (m):	300.001		
Temperature correction:	0.9999304		
Corrected measurement (m):	299.9801199		
Final adjsuted measurement (m):	300		

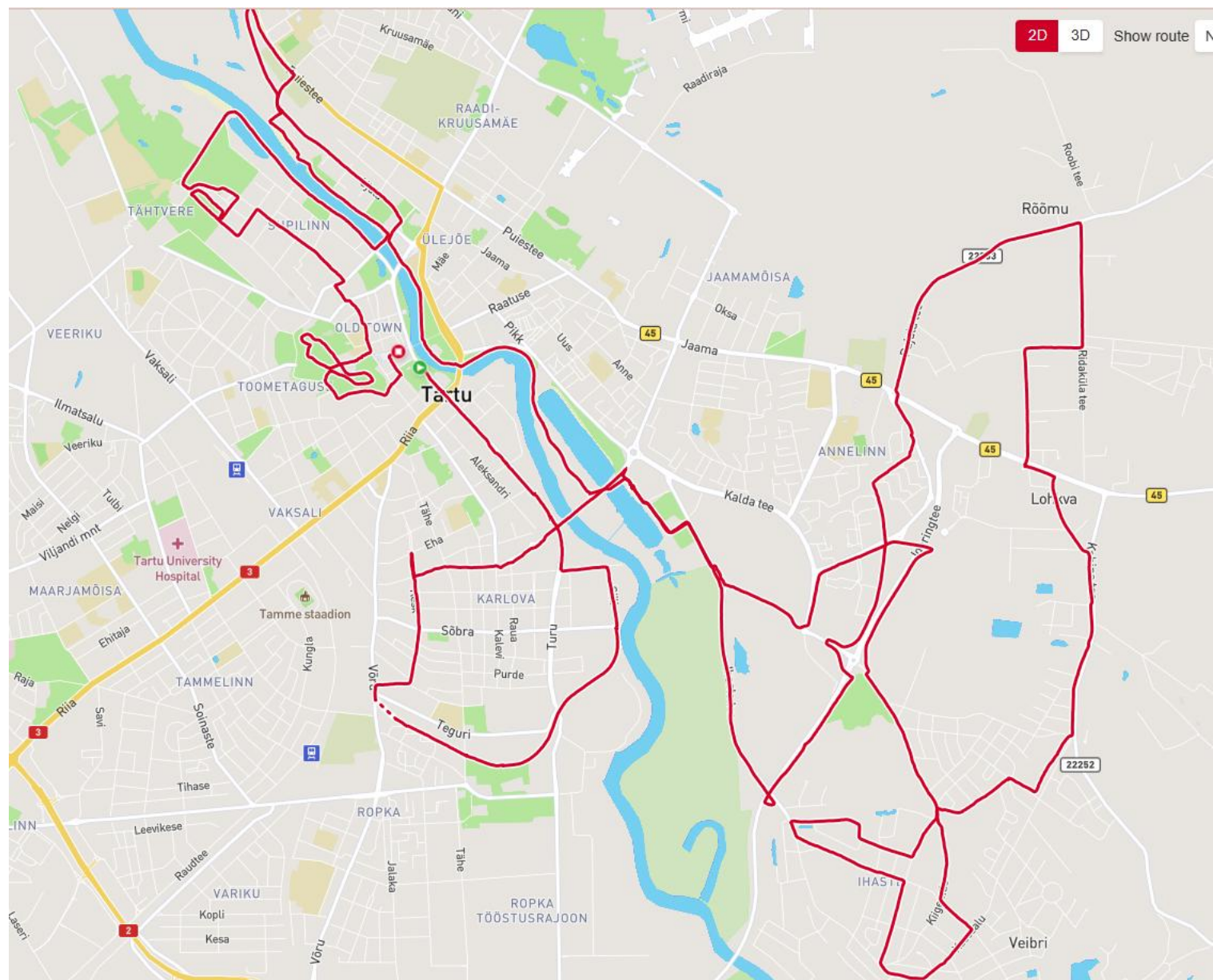
BICYCLE CALIBRATION DATA SHEET				
Date of measurement:	27-Sept-2026			
Name of measurer:	Arturs Onzuls			
Lenght of calibration course (m):	300			
PRE-CALIBRATION				
Start time:	20:00	Start temp (C):	14	
Finish time:	20:05	Finish Temp (C):	14	
	Ride	Start count	Finish count	Difference
	1	904550	907931	3381
	2	907931	911313	3382
	3	911313	914693	3380
	4	914693	918074	3381
Pre-measurement average count:		3381		
Count per km		11270		
Working constant (incl. SCPF):		11281.27		
POST-CALIBRATION				
Start time:	22:40	Start temp (C):	12	
Finish time:	22:45	Finish Temp (C):	12	
	Ride	Start count	Finish count	Difference
	1	455915	459295	3380
	2	459295	462676	3381
	3	462676	466056	3380
	4	466056	469436	3380
Post-measurement average count:		3380		
Count per km		11267.5		
Finish constant (incl. SCPF):		11278.7675		
CONSTANT FOR THE DAY (AVERAGE):		11280.01875		

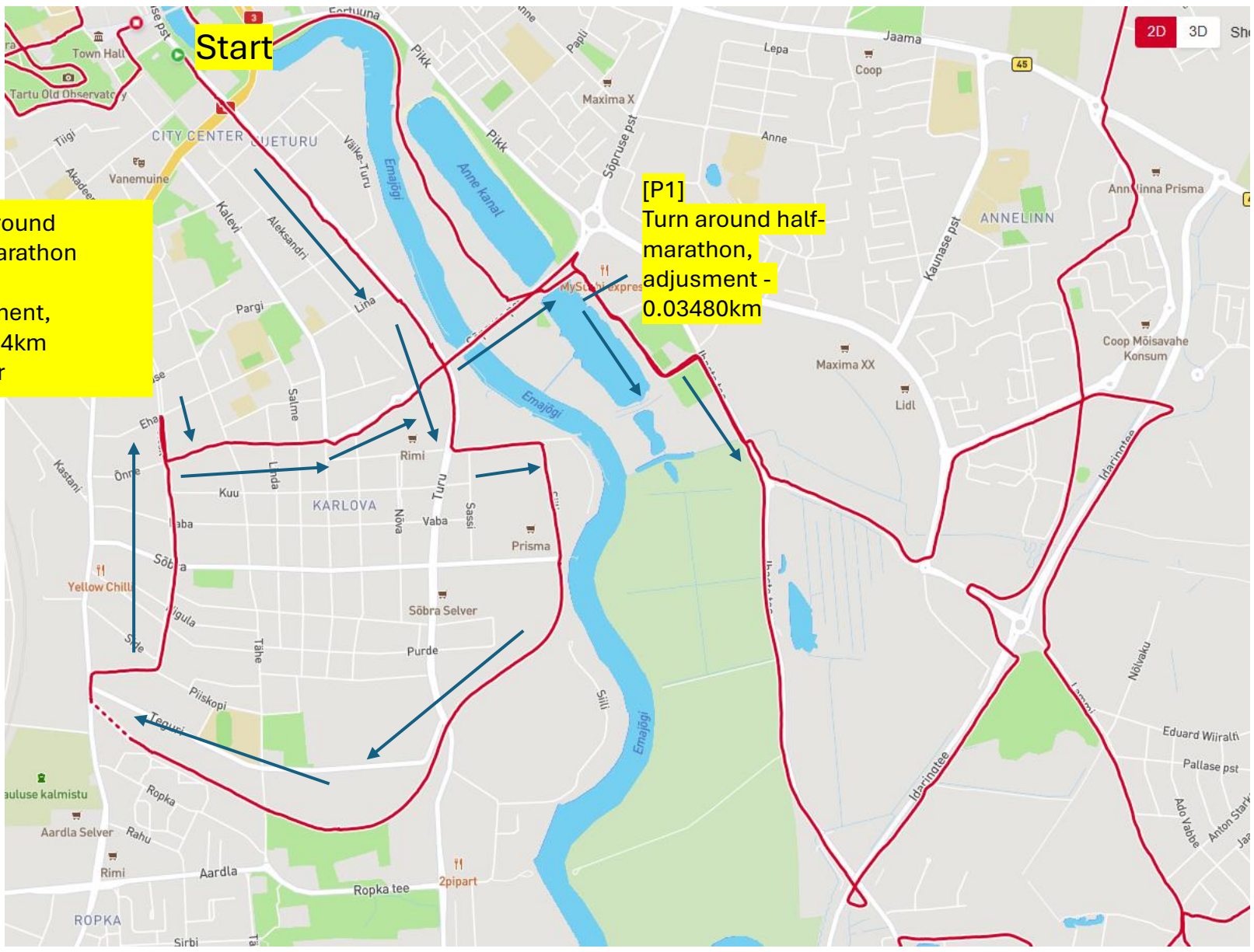
CURSE MEASUREMENT DATA SHEET

Date of measurement:	27-Sept-2026		
Name of measurer:	Arturs Onzuls		
Distance (km):	21.1km, 42.2km		
Start time:	20:00	Start temp (C):	14
Finish time:	23:00	Finish Temp (C):	12
Working (original) constant (incl. SCPF):	11281.27		0.08864250213
CONSTANT FOR THE DAY (AVERAGE):	11280.01875		0.08865233491
LOCATION OF SPLIT POINTS			distance=[counts*constant(distance)]/1000 counts=[distance*constant(counts)]
Reading	Counts	Distance (km)	Location
950176			Start
1033458	83282	7.383143756	P1 [1]
1270932	237474	21.05262458	P1 [2]
1424845	153913	13.64474682	Finish [3]
		42.08051516	Measured marathon [1+2+3]
		0.05724242064	Missing on turn-around
		21.02789058	Measured half-marathon [1+3]
		0.03480471068	Missing on turn-around

MAP

<https://earth.google.com/earth/d/1XAF1JRnu1mhLXndBzcb7iZdqfAiLsQqE?usp=sharing>

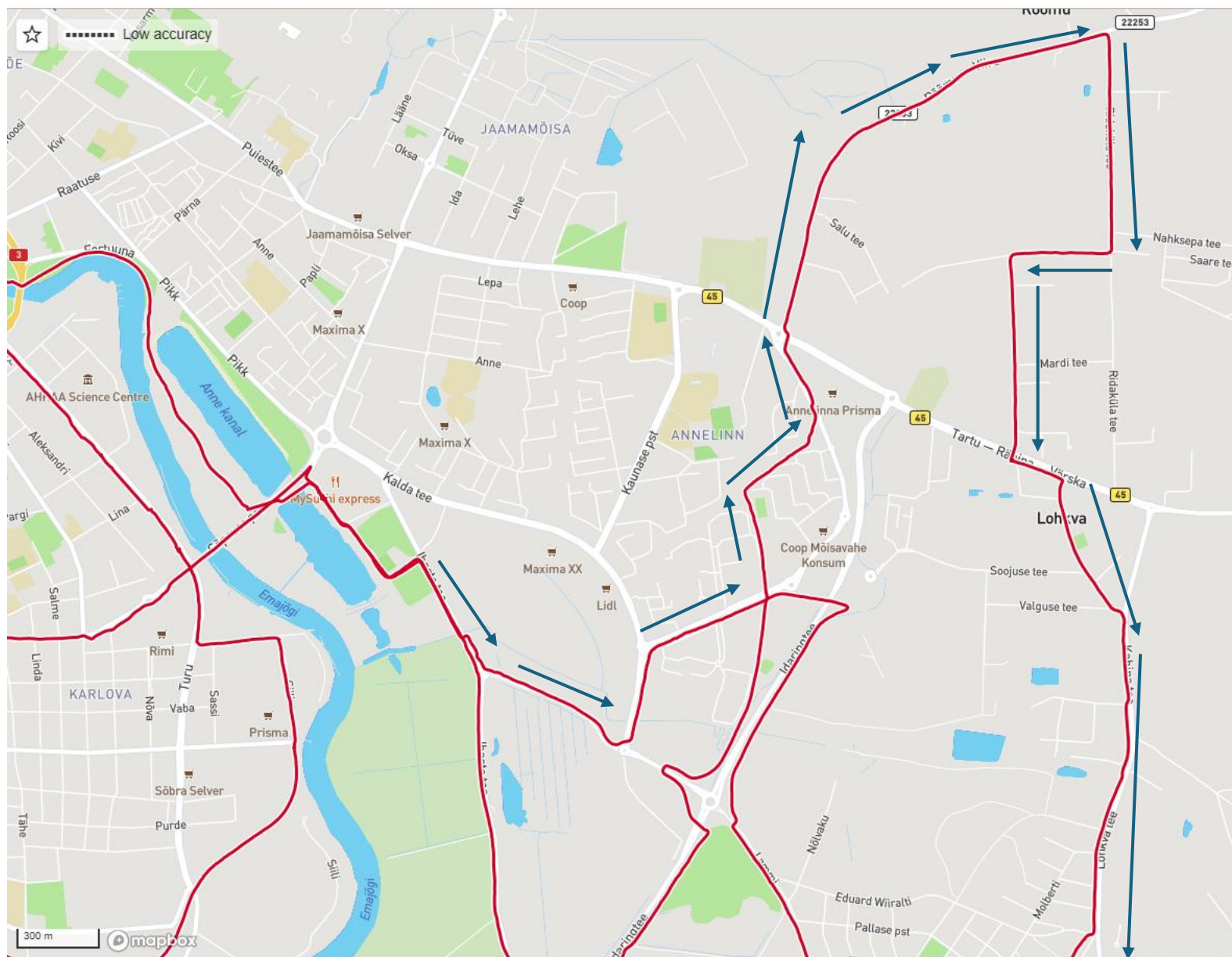


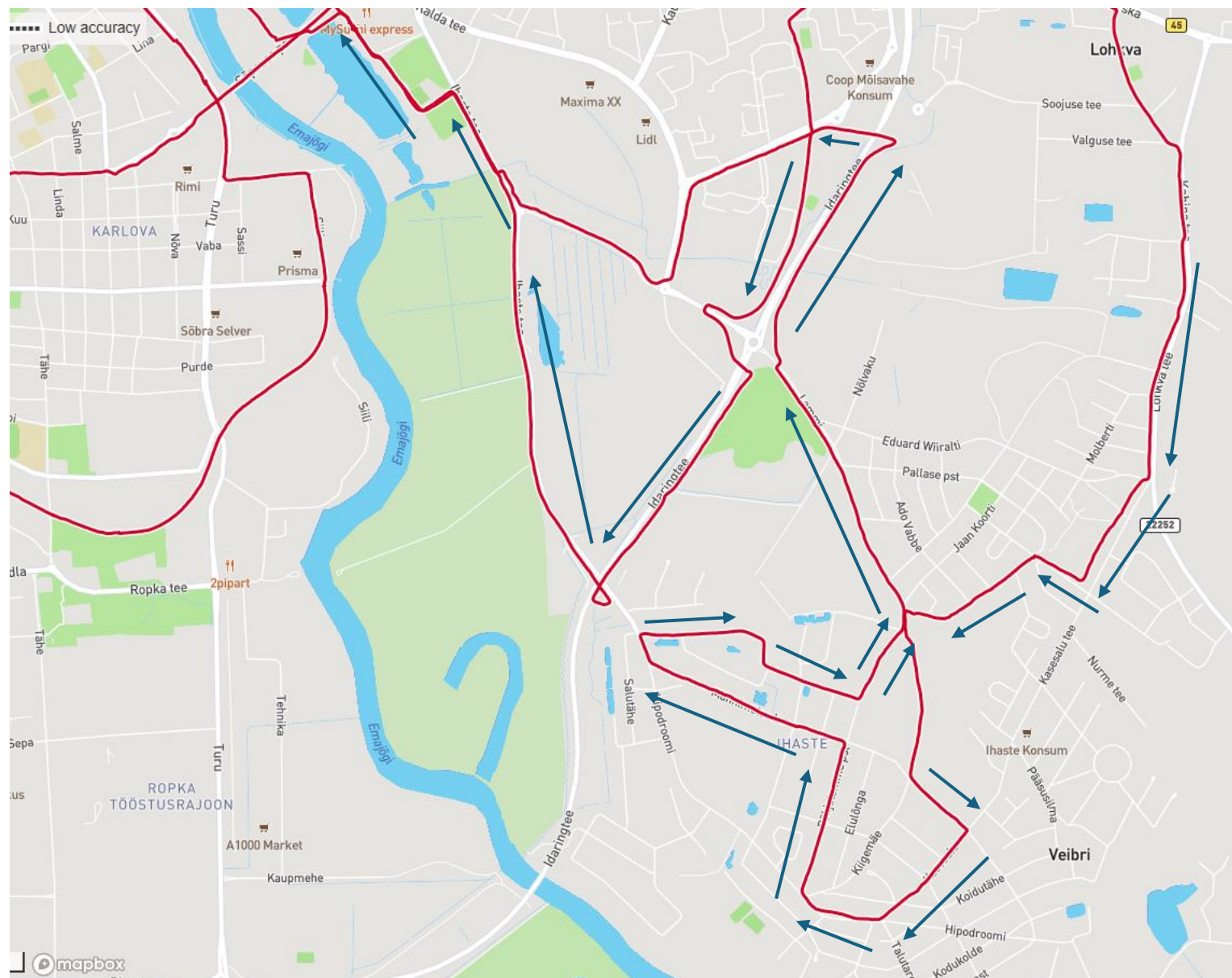


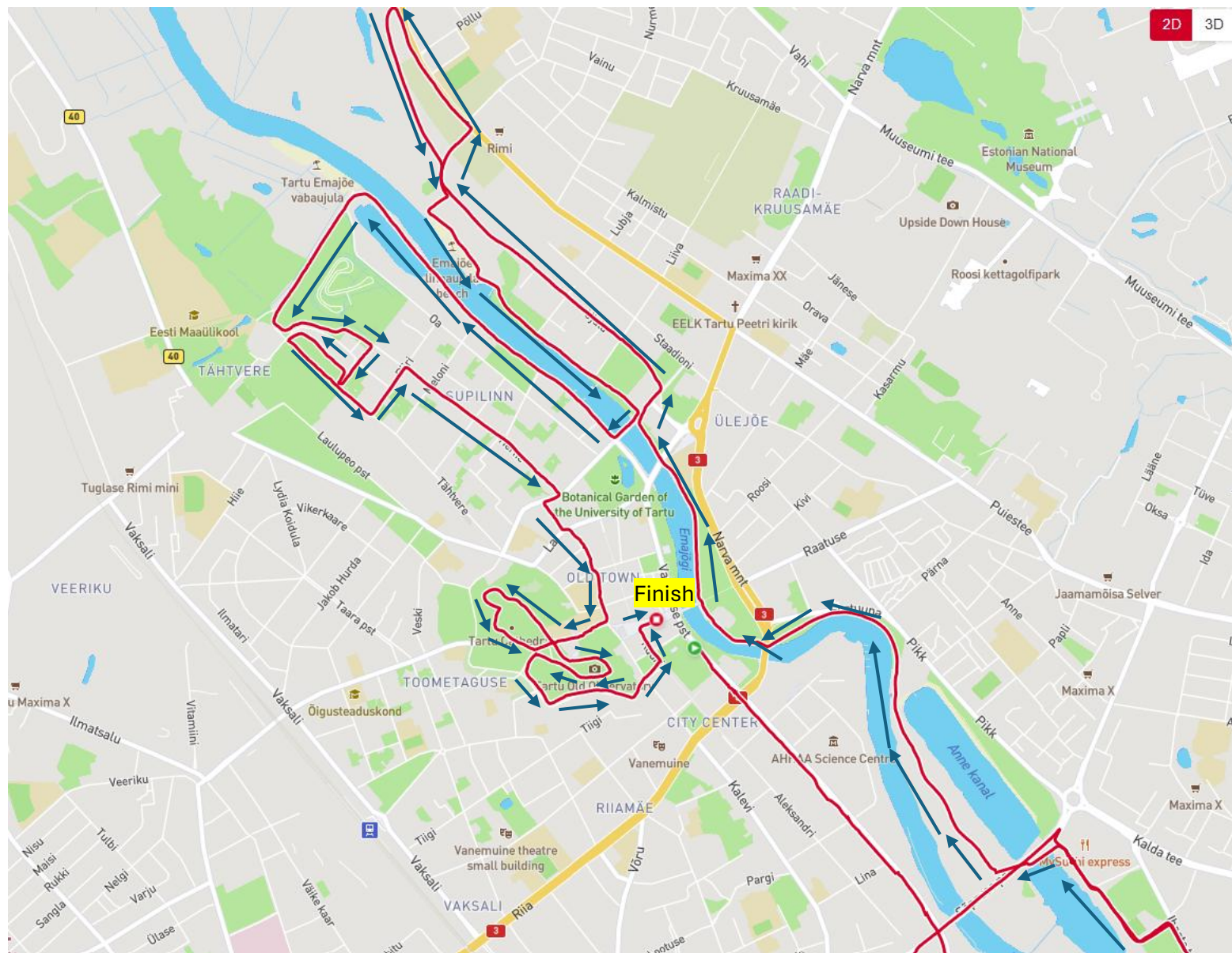
Turn around
half marathon

Adjustment,
0.05724km
further

[P1]
Turn around half-
marathon,
adjustment -
0.03480km

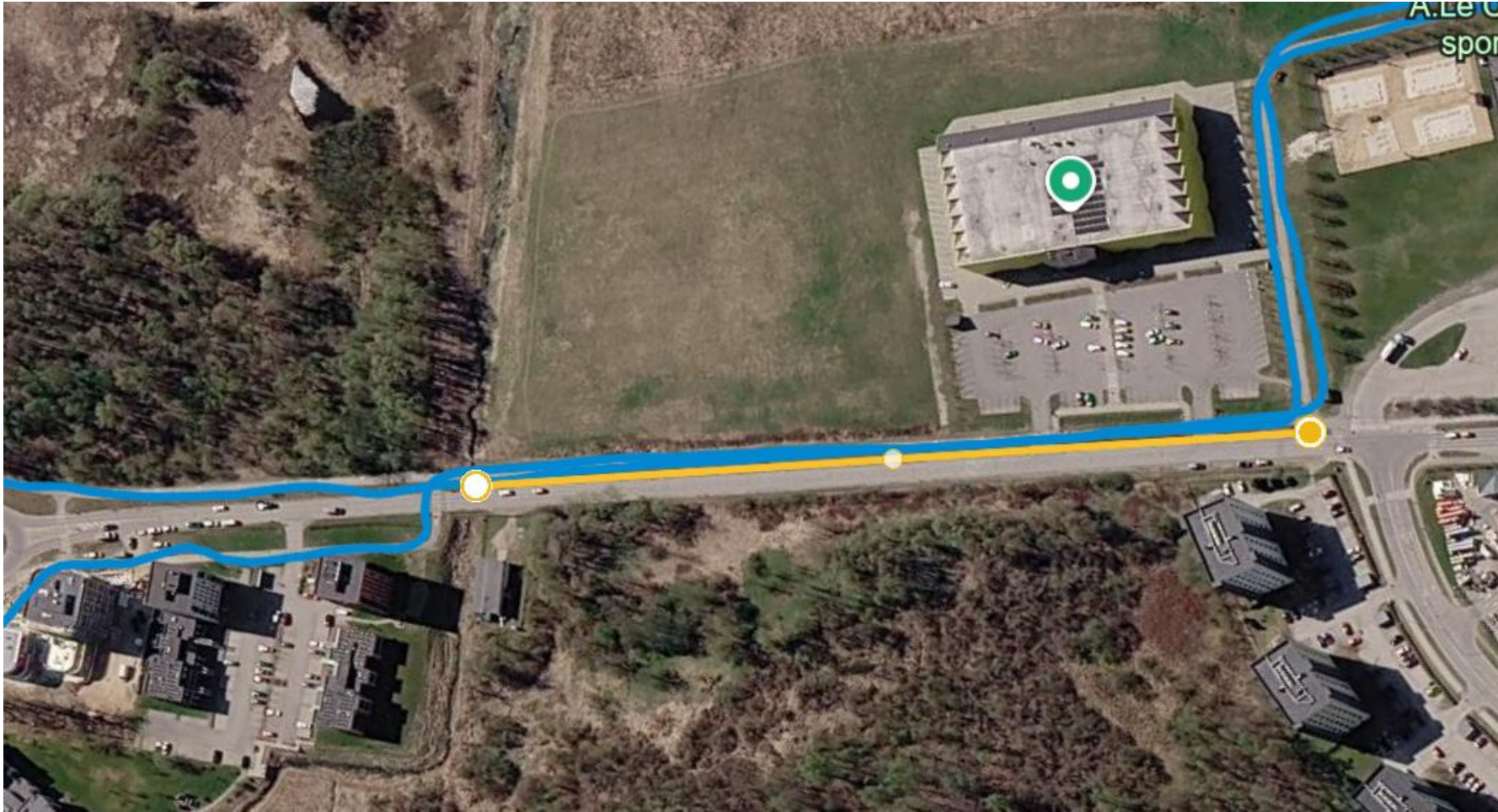




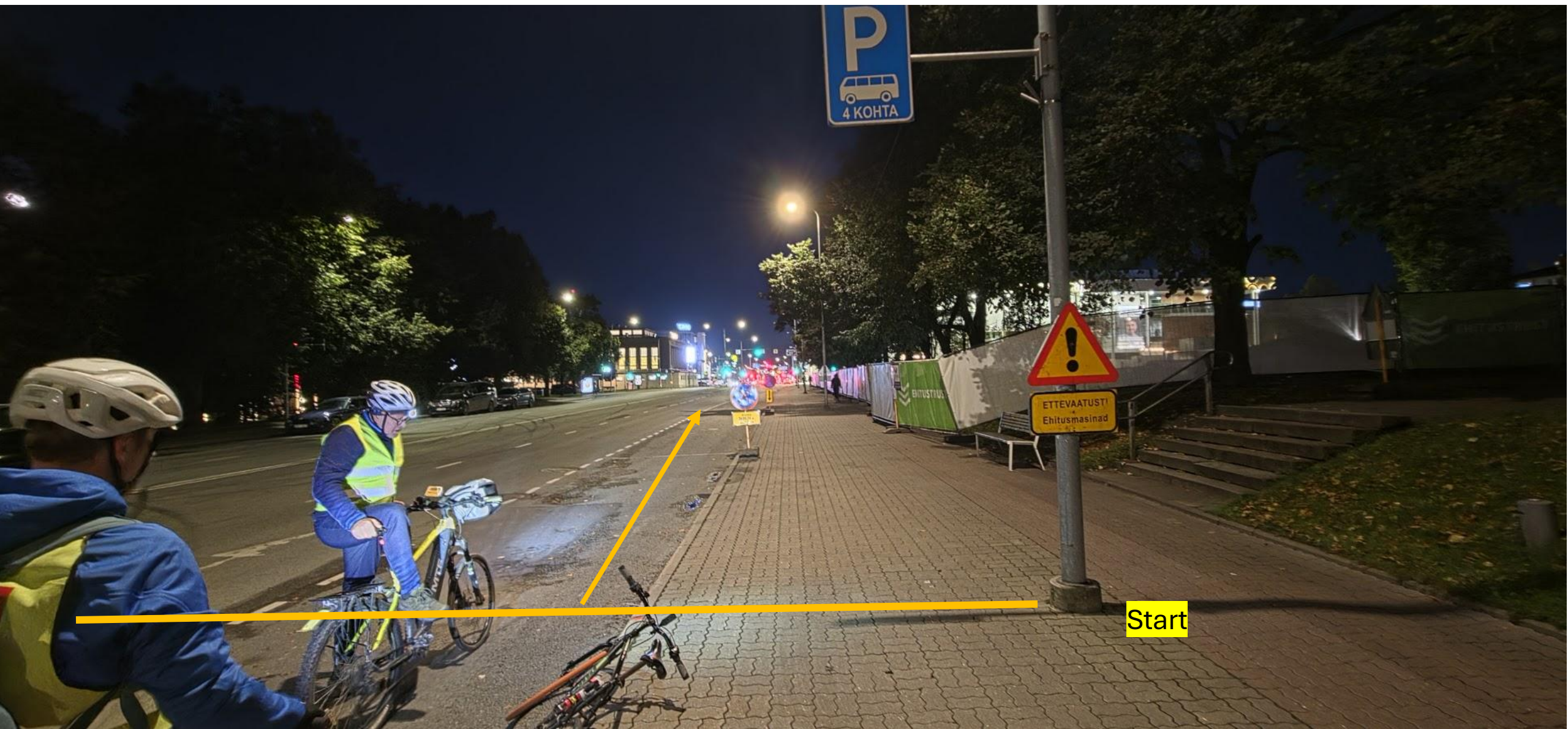


PHOTOS

Calibration course





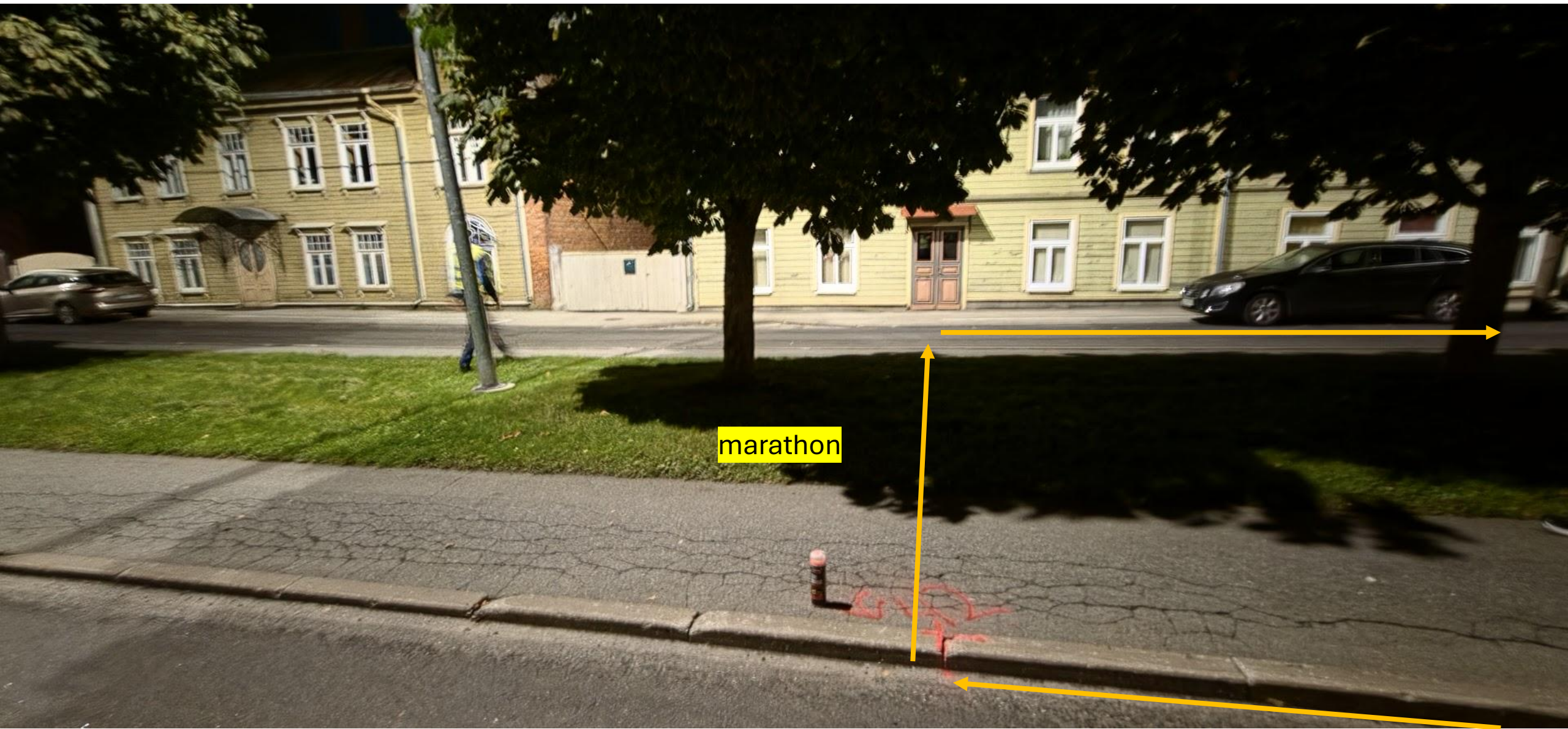


ETTEVAATUSTI
Ehitusmasinad

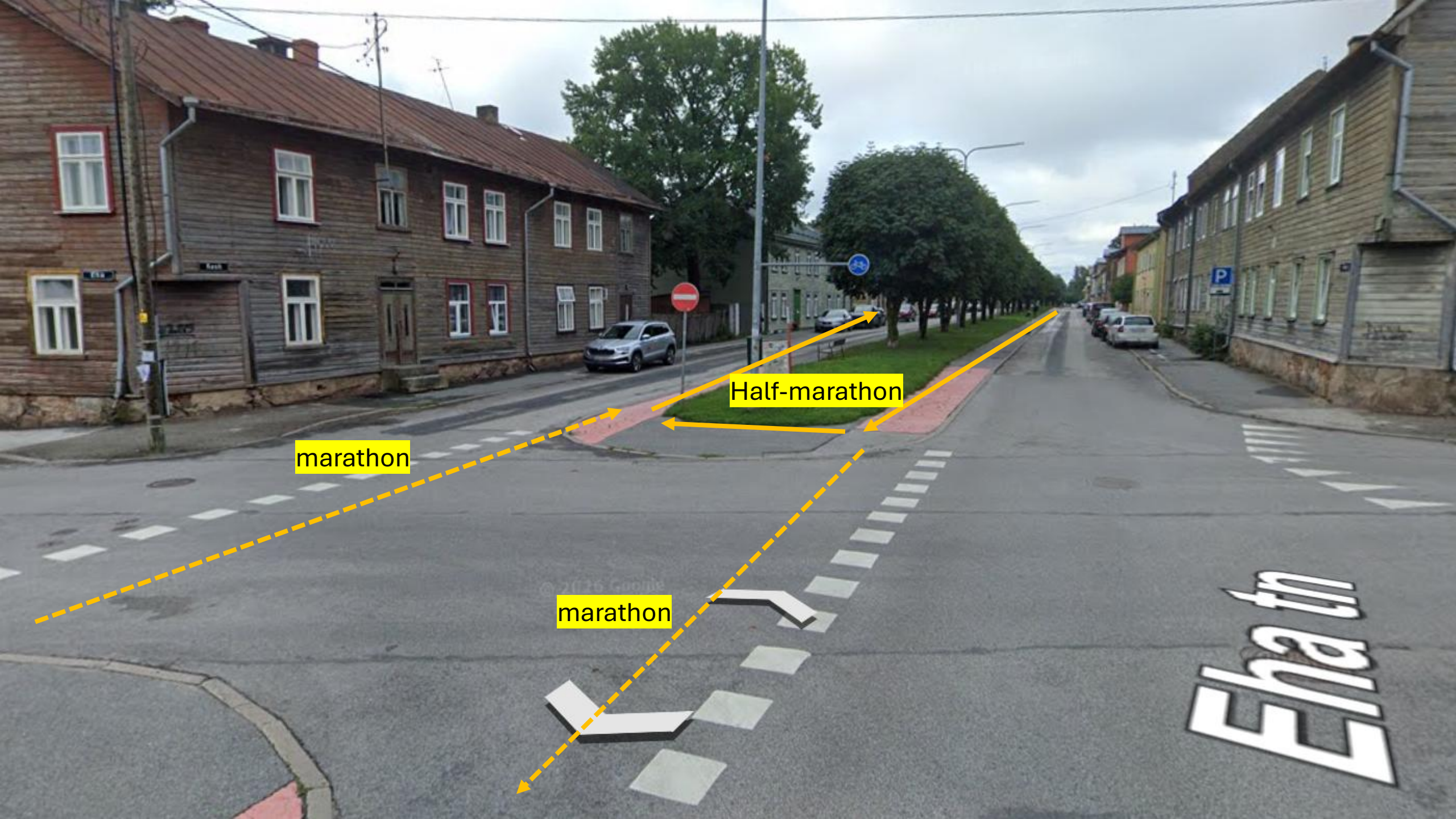
Start







marathon

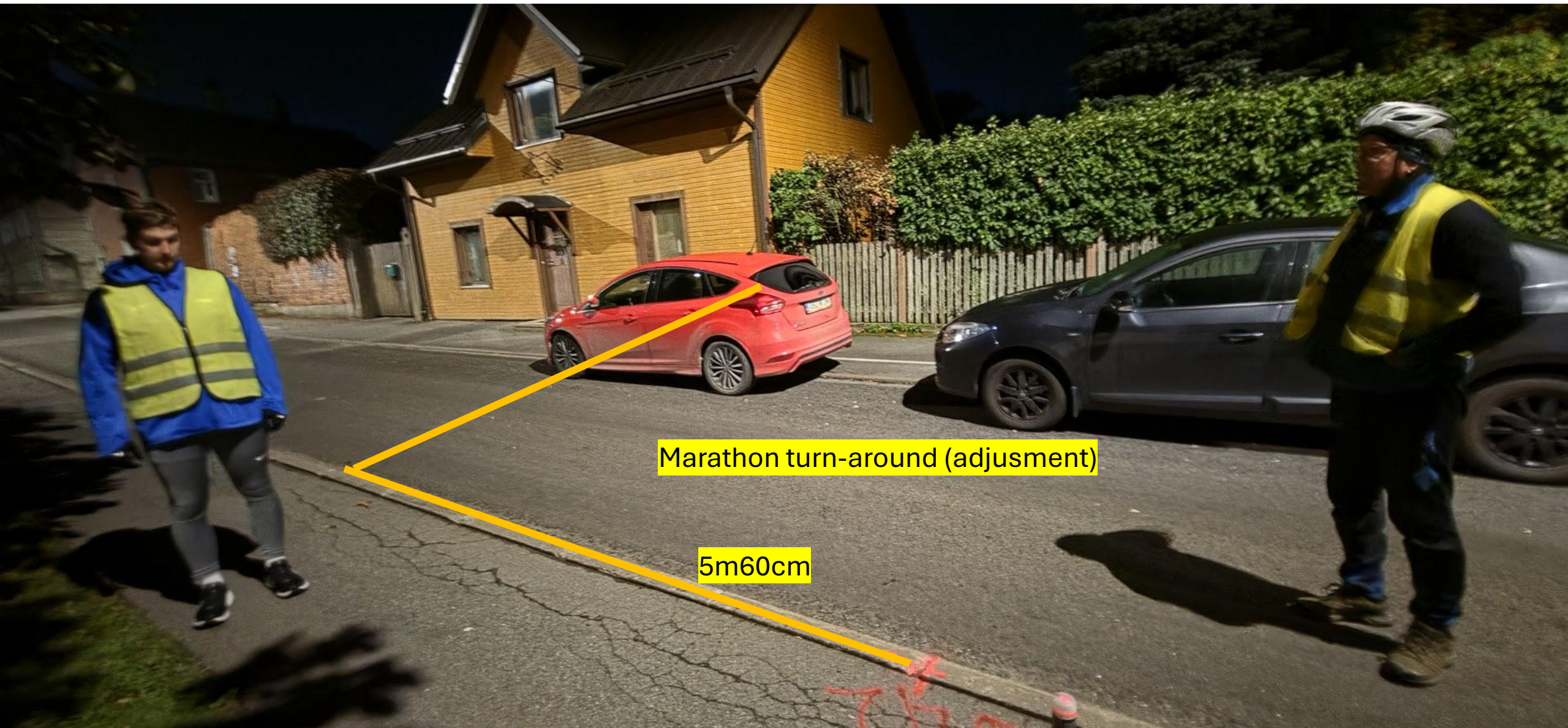


marathon

Half-marathon

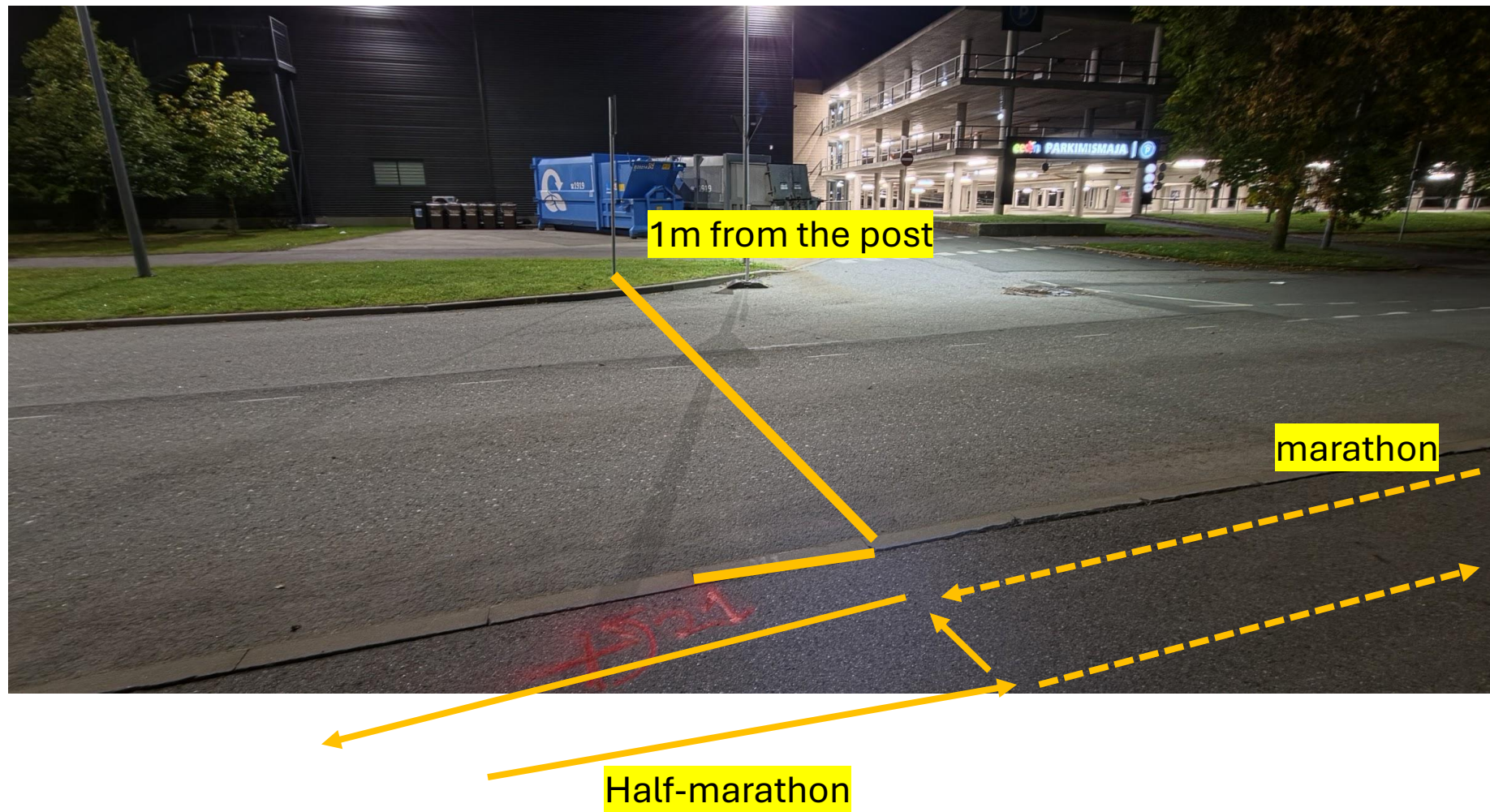
marathon

Eha tn



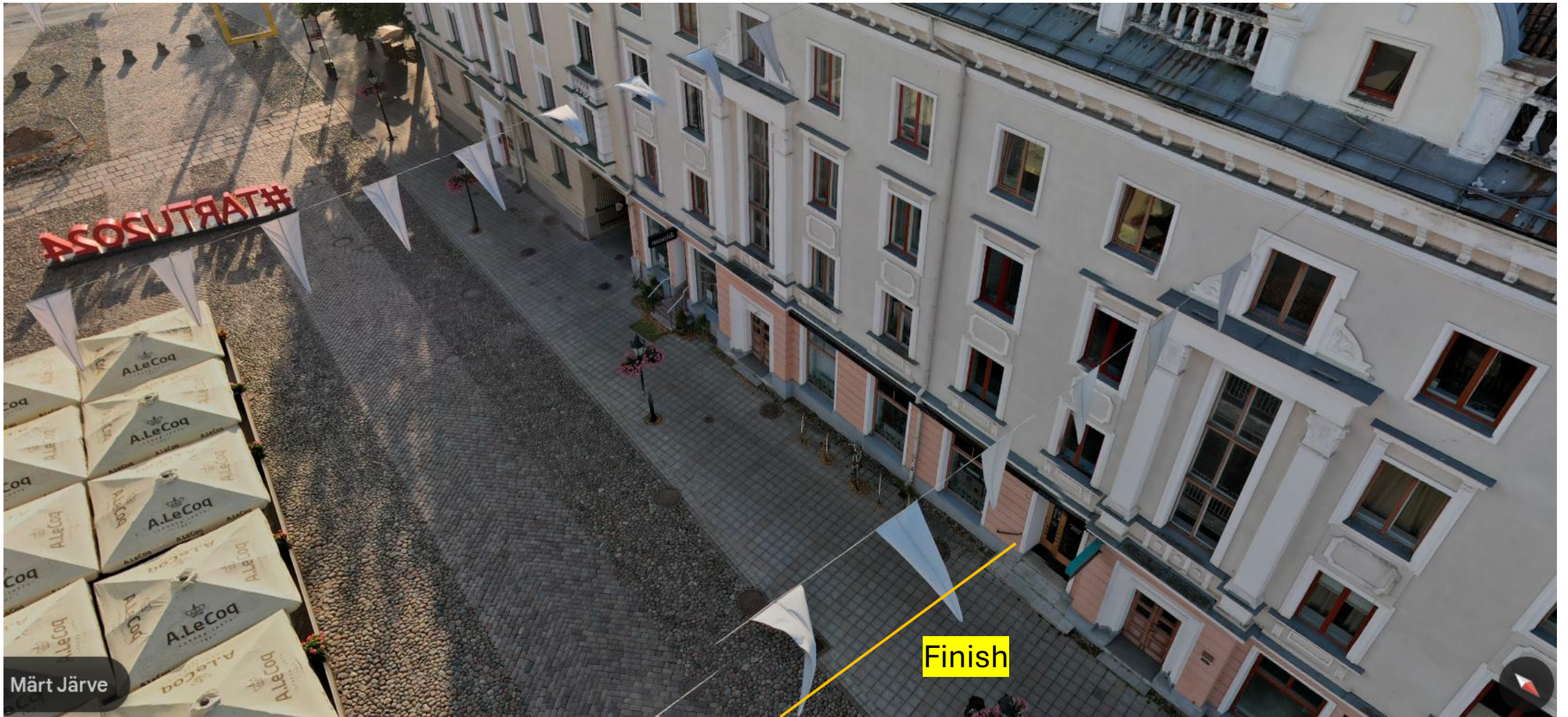
Marathon turn-around (adjustment)

5m60cm





Finish



Märt Järve

Finish