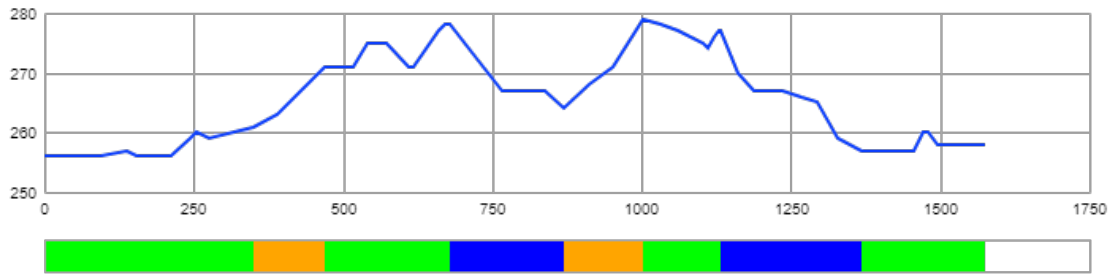




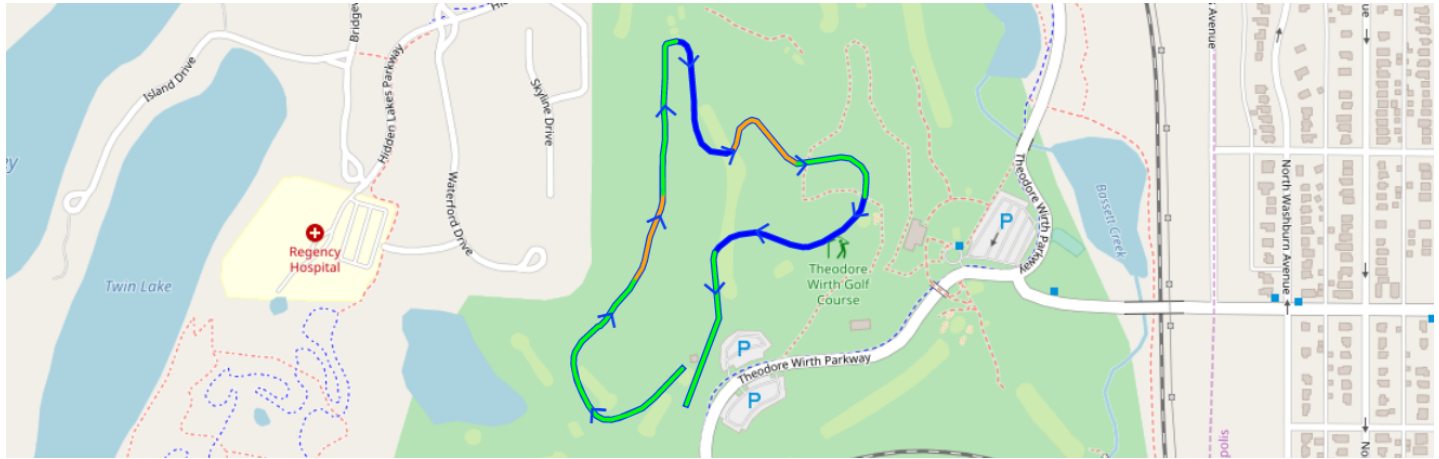
**CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE**

- | | |
|---|----------------------|
| (1) Registration number: | |
| (2) Name of the competition site: | Theodore Wirth Park |
| (3) Name of city/region: | Minneapolis, MN, USA |
| (4) Organizer: | Loppet Foundation |
| (5) National ski association: | USSA |
| (6) Contact person in the organizing committee: | Issac Kasper |
| (7) Homologation inspector: | Al Maddox |
| (8) Name of course: | Sprint 1600 |
| (9) Competition level for course | WC |

Course length:	1,573m	Height difference (HD):	23m	Lowest point:	256m
Course category:	D	Maximum climb (MC):	15m	Highest point:	279m
		Total climb (TC):	49m		



A-climb B-climb C-climb descent undulated terrain



FIS Office

FIS Stamp

FIS Homologation
Responsible

Date of Issue

Valid until

(10) Overview of the uphill:

	No.	PTC	% of TC
- shorter climbs	2	25	51.0
- descents	2	0	0.0
- undulated terrain	4	24	49.0

(11) Stadium area:

		Indoor working room:	
Fixed stadium area	no	Timekeeping	yes
Fixed building	yes	Announcer	yes
Temporary stadium	yes	Jury	yes
Temporary building	no	Race office	yes
Good infrastructure (access, parking, media, etc.)	yes		
Skitesting area along course/near stadium	yes		
Warm up track near the stadium	yes		

(12) Category for the stadium and course layout:

	Interval	Sprint	Skiathlon	Relay	Mass start
Stadium suitable for following competition formats	yes	yes			yes
Course suitable for following competition formats with					
a) Classical technique		yes			
b) Free technique		yes			
Course suitable for relay and skiathlon competition					
a) On same course					
b) Combined on different courses (C+D or D+D)					

(13) Possibility of snow making:

All parts of this course can be covered

(14) Map Material:

GPS tracks and way points

(15) Source of accurate elevation data:

DEM based on LiDar

(16) Safety considerations:

none

(17) General remarks:

A good course with a suitable classic uphill. Stadium is only capable of Mass Start with small numbers of competitors (100 or less).

(18) Date of first inspection: 2019/9/27

(19) Date of final inspection: 2019/11/17

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb	■	total		0			0.0% part of TC
B-climb	■	1	349	10	10	4.9 - 10.0	8.3
		2	869	15	15	7.6 - 15.5	11.3
		total			25		
C-climb	■	total		0			0.0% part of TC
undulated terrain	■	total		24			49.0% part of TC
		total climb		49			