



Road Running Technical Council
USA Track & Field
Measurement Certificate



Name of the course MISH Waterfront Half Marathon Distance 21.0975km
Location (state) MI (city) Gladstone
Type of course: Road Race
Measuring Methods: Bike
Measured By Eric Bartz, 3110 Harvest Ave. SW, Grandville, MI, 49418, 616-745-6750, eric.measure@gmail.com
Race Contact Rick Elrod, PO Box 279, Wells, MI, 49894, 616-566-8538, rick@mishevents.com
Date(s) when course measured: 06/08/2021,06/09/2021
Number of measurements of entire course: 2 Course Configuration: Keyhole
Elevation (meters above sea level) Start 180m Finish 180m Lowest 173m Highest 188m
Straight line distance between start and finish 0m Drop 0 m/km Separation 0 %
Type of surface: Paved 98 % Dirt 0 % Gravel 1.9 % Grass 0.1 % Track 0 %
Effective date of certification: June 13, 2021 Certification code: MI21013MN

Note to Race Director: Use this Certification Code
in all public announcements relating to your race.

Be It Officially Noted That

Based on examination of data provided by the above named measurer, the course described above and in the map attached is hereby certified as reasonably accurate in measurement according to the standards adopted by the Road Running Technical Council. If any changes are made to the course, this certification becomes void, and the course must then be recertified.

Verification of Course --- In the event a National Open Record is set on the course, or at the discretion of USA Track & Field, a verification measurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all pending records will be rejected and the course certification will be cancelled.

This certification expires on December 31 of the year: **2031**

AS NATIONALLY CERTIFIED BY:

Date: June 19, 2021

Mark Neal - USATF/RRTC Certifier - 323 Griggs Street, Rochester MI 48307
(248) 894-3846 - runnermark@gmail.com

MISH Waterfront Half Marathon

Gladstone, MI

21.0975 KM

Measured by Eric Bartz on
June 9, 2021.
eric.measure@gmail.com

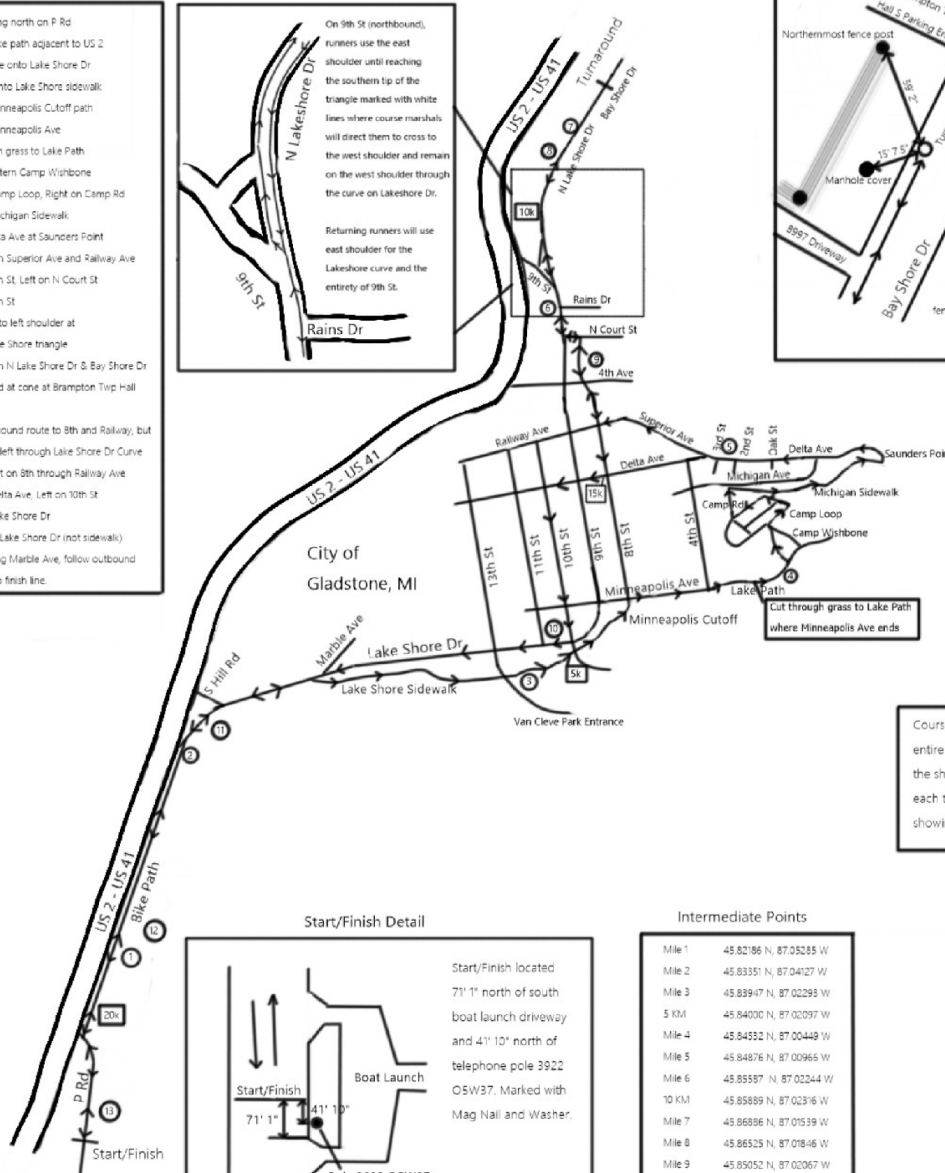
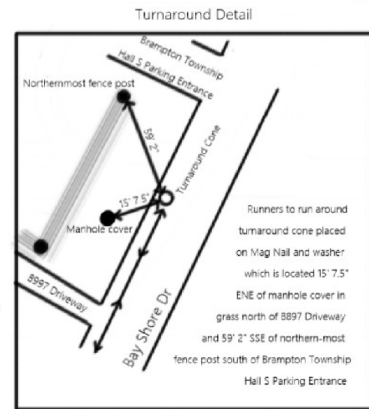
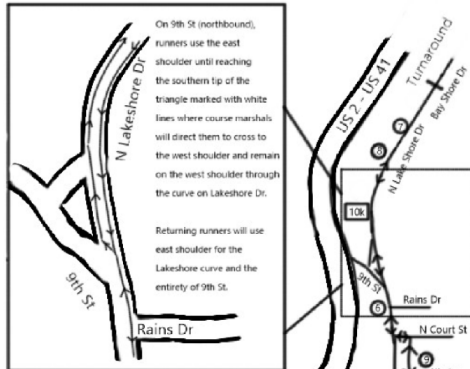


USATF Certificate
MI21013MN
Effective: 06/13/2021
Through: 12/31/2031

Course Directions

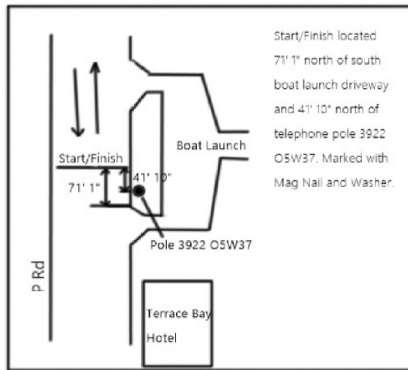
Start heading north on P Rd
Right on bike path adjacent to US 2
Follow curve onto Lake Shore Dr
Continue onto Lake Shore sidewalk
Right on Minneapolis Cutoff path
Right on Minneapolis Ave
Cut through grass to Lake Path
Left on western Camp Washbone
Right on Camp Loop, Right on Camp Rd
Right on Michigan Sidewalk
Left on Delta Ave at Saunders Point
Continue on Superior Ave and Railway Ave
Right on 8th St, Left on N Court St
Right on 9th St
Cross over to left shoulder at
9th/Lake Shore triangle
Continue on N Lake Shore Dr & Bay Shore Dr
Turn around at cone at Brampton Twp Hall

Follow outbound route to 8th and Railway, but
remain left through Lake Shore Dr Curve
Stay straight on 8th through Railway Ave
Right on Delta Ave, Left on 10th St
Right on Lake Shore Dr
Remain on Lake Shore Dr (not sidewalk)
After passing Marble Ave, follow outbound
route to finish line.



Course was measured using the entire width of the road maintaining the shortest possible route between each turn, except for the inset showing 9th St and Lake Shore Dr.

Start/Finish Detail



Intermediate Points

Mile 1	45.82186 N, 87.05285 W
Mile 2	45.83351 N, 87.04227 W
Mile 3	45.83947 N, 87.02293 W
5 KM	45.84000 N, 87.02097 W
Mile 4	45.84532 N, 87.00448 W
Mile 5	45.84876 N, 87.00965 W
Mile 6	45.85587 N, 87.02244 W
10 KM	45.85889 N, 87.02316 W
Mile 7	45.86686 N, 87.01639 W
Mile 8	45.86525 N, 87.01846 W
Mile 9	45.85052 N, 87.02067 W
15 KM	45.84782 N, 87.01931 W
Mile 10	45.84028 N, 87.02069 W
Mile 11	45.83481 N, 87.03990 W
Mile 12	45.82300 N, 87.05149 W
20 KM	45.81748 N, 87.05531 W
Mile 13	45.80952 N, 87.05843 W