



**Road Running Technical Council
USA Track & Field
Measurement Certificate**



Name of the course WR Elite 5 km Distance 5 km
Location (state) IA (city) Des Moines
Type of course: Road Race
Measuring Methods: Bicycle
Measured By Michael Franke, 1007 WALNUT, P.O. Box 193 Dallas Center, IA 50063 mfranke@q.com 515-992-3585
Race Contact Tyson Wieland, 3203 Cambridge Street Des Moines, IA 50313 tysonw123@live.com 806-670-2473
Date(s) when course measured: 07/27/2021
Number of measurements of entire course: 2 Course Configuration: figure eight
Elevation (meters above sea level) Start 246.00 Finish 247.00 Lowest 240.00 Highest 248.00
Straight line distance between start and finish 56m Drop -0.20 m/km Separation 1.12 %
Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %
Effective date of certification: July 27, 2021 Certification code: IA21006MF

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: July 30, 2021

Michael Franke - USATF/RRTC Certifier - 1007 WALNUT, P.O. Box 193, DALLAS CENTER IA 50063
(515) 992-3585 - mfranke@q.com



USATF Certificate

IA21006MF

Effective: 07/27/2021
Through: 12/31/2031

WR Elite 5 km

Waterworks Park
Des Moines, IA

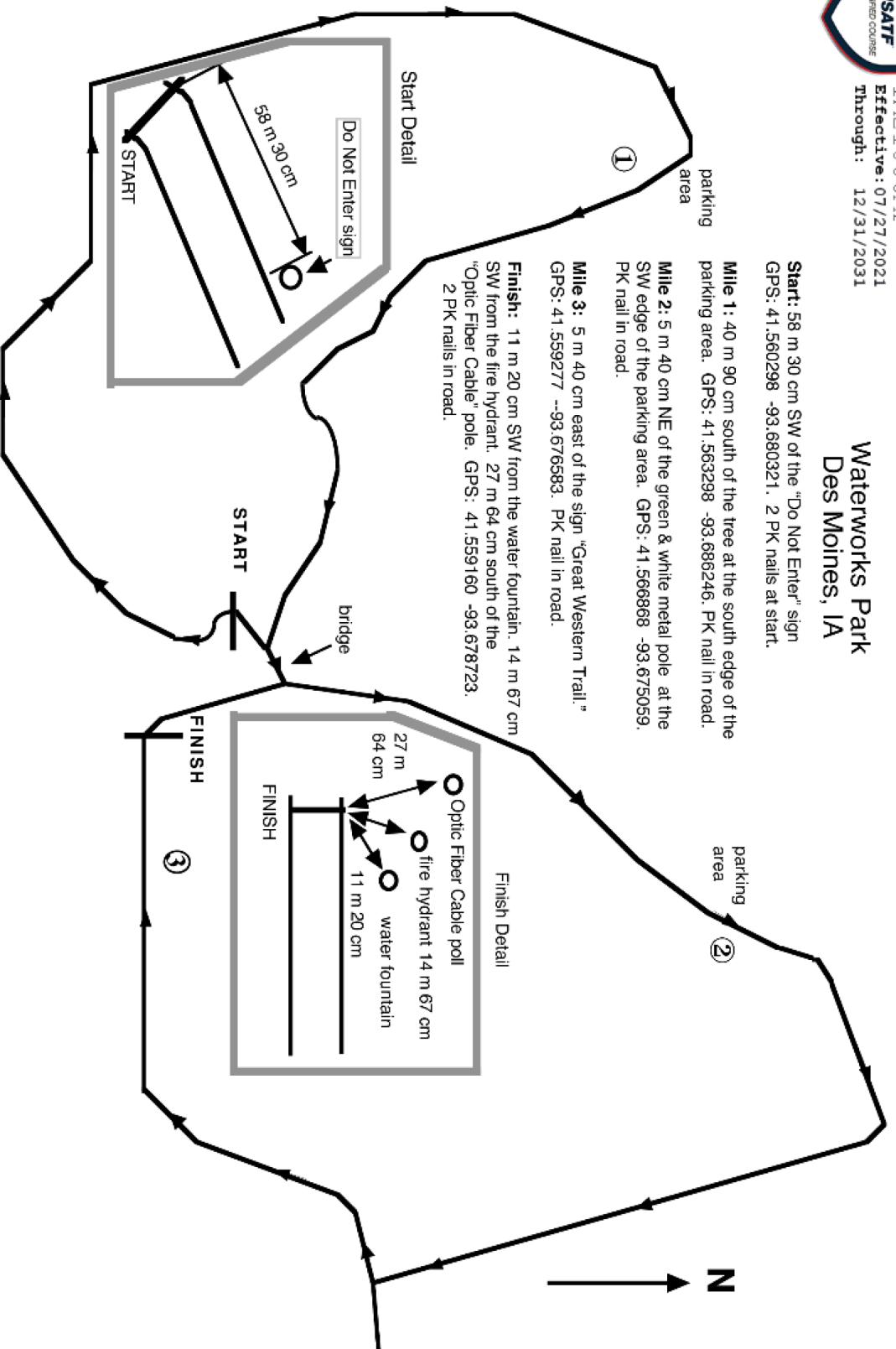
Start: 58 m 30 cm SW of the "Do Not Enter" sign
GPS: 41.560298 -93.680321. 2 PK nails at start.

Mile 1: 40 m 90 cm south of the tree at the south edge of the parking area. GPS: 41.563298 -93.686246. PK nail in road.

Mile 2: 5 m 40 cm NE of the green & white metal pole at the SW edge of the parking area. GPS: 41.566868 -93.675059. PK nail in road.

Mile 3: 5 m 40 cm east of the sign "Great Western Trail." GPS: 41.559277 --93.676583. PK nail in road.

Finish: 11 m 20 cm SW from the water fountain. 14 m 67 cm SW from the fire hydrant. 27 m 64 cm south of the "Optic Fiber Cable" pole. GPS: 41.559160 -93.678723. 2 PK nails in road.



The course was measured using the full width of the road and the SPR at all times

The east and west loops in Waterworks Park have no designated names.

Measured on July 27, 2021 by M. Franke
mfranke@q.com