



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



Name of the course A ST 1000' CALIBRATION COURSE Distance 1000 FT
Location (state) MA (city) NEEDHAM
Type of course: Calibration
Measuring Methods: EDM
Measured By Justin Kuo - 39 Oakland Rd - Brookline, MA 02445 - (617) 487-4463 - jkuo+certifier@usatfne.org
Race Contact N/A
Date(s) when course measured: August 7, 2022
Number of measurements of entire course: 2 Course Configuration: point to point
Elevation (meters above sea level) Start 32.00 Finish 32.00 Lowest N/A Highest N/A
Straight line distance between start and finish 1000 FT Drop 0.00 m/km Separation 100.00 %
Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %
Effective date of certification: August 9, 2022 Certification code: MA22013JK

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: **2032**

AS NATIONALLY CERTIFIED BY:

Date: August 9, 2022

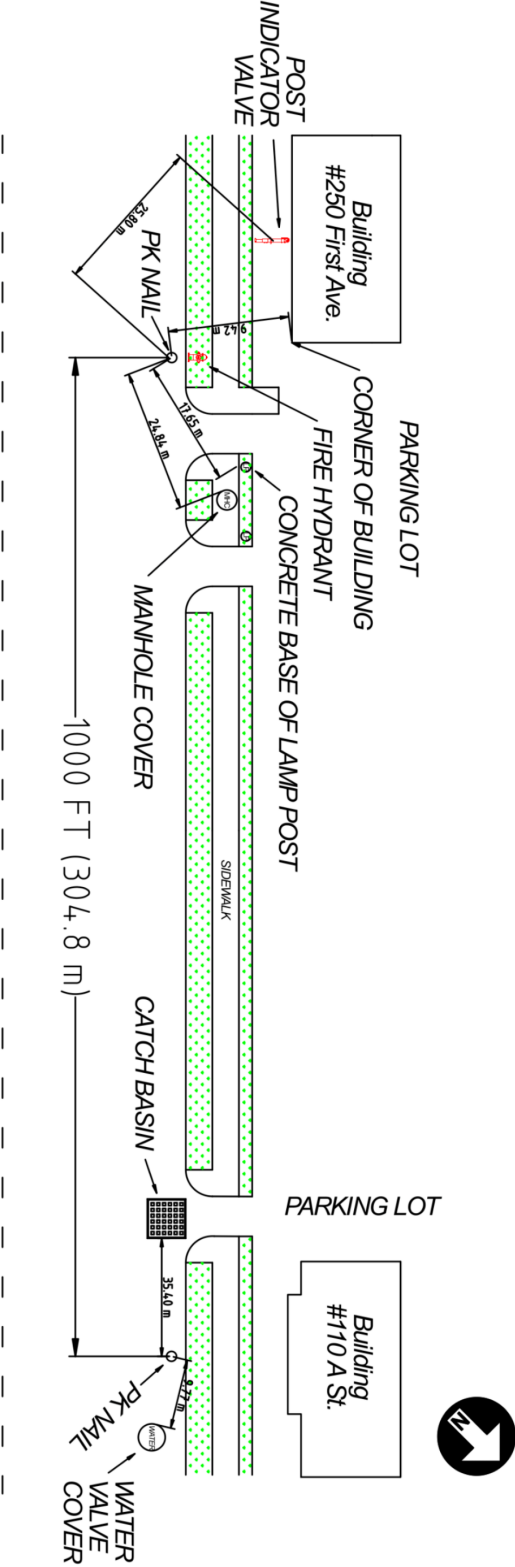
Justin Kuo - USATF/RRTC Certifier - 39 Oakland Rd, Brookline MA 02445
(617) 487-4463 - jkuo+certifier@usatfne.org

A ST 1000' CALIBRATION COURSE
NEEDHAM MA

MEASURED AUGUST 7, 2022
BY CAROL KUO, JUSTIN KUO & STEVE VAITONES
<JKUO@USATFNE.ORG>



USATF Certificate
MA22013JK
Effective: 08/09/2022
Through: 12/31/2032



MEASURED WITH PENTAX TOTAL STATION (S/N 849864)
DO NOT USE THIS CALIBRATION COURSE UNLESS THE PK NAILS ARE INTACT