



Road Running Technical Council
USA Track & Field
Measurement Certificate



Name of the course Jingle Bell Half Marathon Distance 21.0975 km
Location (state) MA (city) Haverhill
Type of course: Road Race
Measuring Methods: Bicycle
Measured By Christopher Bernier - 14 Skyview Drive - Rindge, NH 03461 - (603) 899-3210 - chris@sub5racing.com
Race Contact Evan Dolecki - 88 Devonshire St Floor 9 Boston, Mass 02109 - 8609216945 - edolecki@venturesendurance.c
Date(s) when course measured: 11/12/2022
Number of measurements of entire course: 2 Course Configuration: complex of different loop
Elevation (meters above sea level) Start 41.76 Finish 40.54 Lowest 6.4 Highest 63.4
Straight line distance between start and finish 136.25 m Drop 0.06 m/km Separation 0.65 %
Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %
Effective date of certification: November 30, 2022 Certification code: MA22023JK

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: December 7, 2022

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

Jingle Bell Half Marathon 21.097km

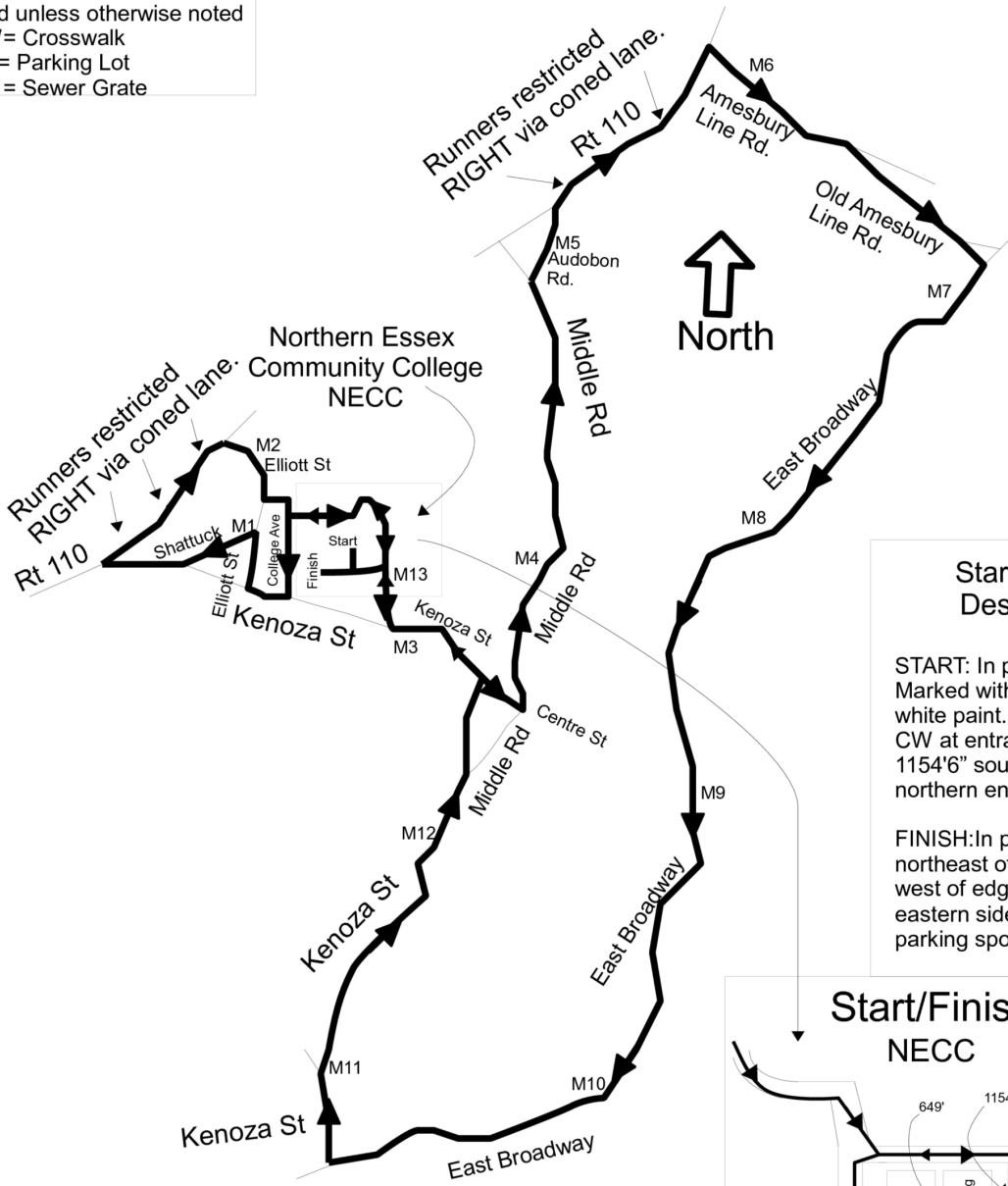
Haverhill, Mass

*Not to scale
 *Not all cross roads shown
 *Mile Markers are marked but not certified
 *Runners have use of whole road unless otherwise noted
 CW= Crosswalk
 PL = Parking Lot
 SG = Sewer Grate



USATF Certificate

MA22023JK
 Effective: 11/30/2022
 Through: 12/31/2032

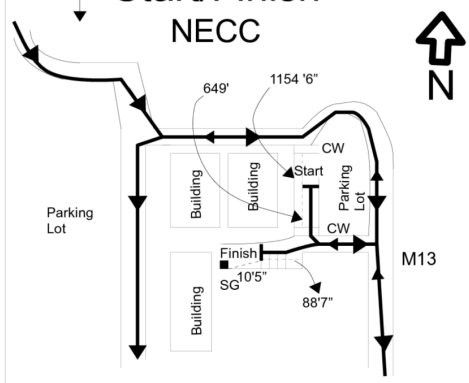


Start /Finish Description

START: In parking lot. Marked with 2 PK nails and white paint. 649' North of CW at entrance of PL & 1154'6" south of CW at northern entrance of PL.

FINISH: In parking lot. 10'5" northeast of SG & 88'7" west of edge of PL. On eastern side of 3rd handicap parking spot.

Start/Finish NECC



Measured by Chris Bernier & Kylie Aho on Nov.12.2022
 Chris@Sub5Racing.com
 603.801.5757