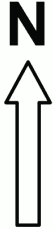


Half Marathon By-The-Sea

Manchester By-The-Sea, Massachusetts

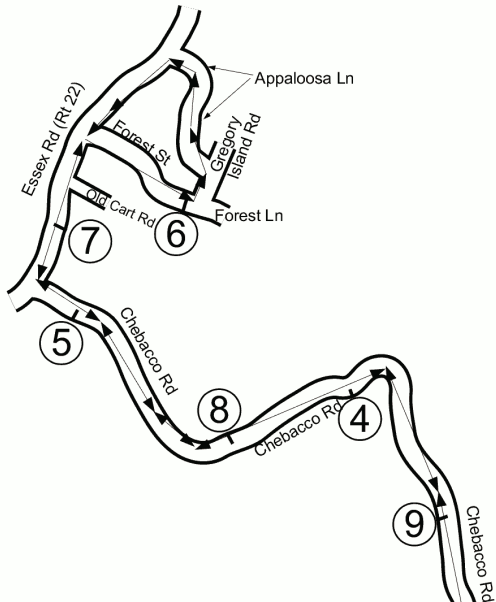
USATF Certificate MA16012BK
 Effective September 6, 2017 - December 31, 2026



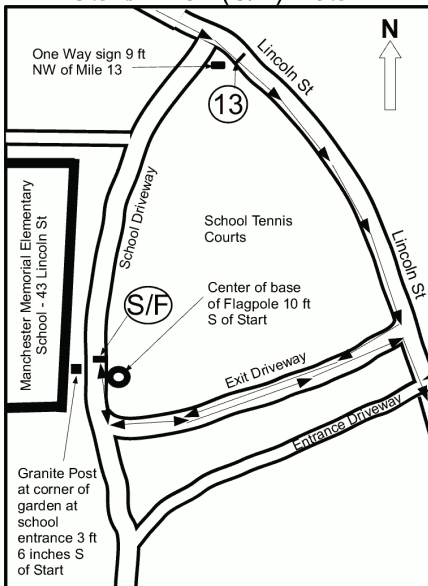
Start/Finish unmarked. Miles shown on map are approximate locations.

Start/Finish: On east side of School Driveway 10 ft N of the center of the base of the Flagpole opposite the entrance to the Manchester Memorial Elementary School at 43 Lincoln St, and 3 ft 6 inches N of a granite post marking the south corner of the garden just north of School Entrance.

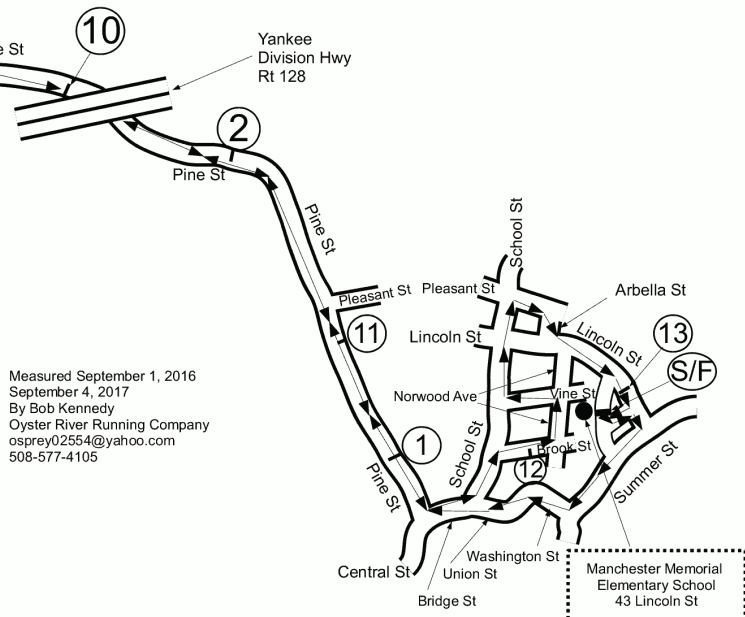
Note: Map not drawn to scale. Many streets and cross streets not on map.



Start/Finish (S/F) Detail



Measured September 1, 2016
 September 4, 2017
 By Bob Kennedy
 Oyster River Running Company
 osprey02554@yahoo.com
 508-577-4105





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



Name of the course Half Marathon By-The-Sea Distance 21.0975 km
 Location (state) Massachusetts (city) Manchester By-The-Sea
 Type of course: road race calibration course
 Measuring method: bicycle steel tape electronic distance meter
 Measured by (name, address, phone & e-mail) Bob Kennedy, 18 Riverview Road, Durham, NH 03824
508-577-4105, osprey02554@yahoo.com
 Race contact (name, address, phone & e-mail) Rich Morrell, PO Box 780, Rockport, MA 01966
978-879-9007, rmorrell@yukanrun.com
 Date(s) when course measured: September 1, 2016 & September 4, 2017
 Number of measurements of entire course: 2 Course Configuration: Keyhole, out and back
 Elevation (meters above sea level) Start 7 m Finish 7 m Highest 31 m Lowest 3 m
 Straight line distance between start & finish 0 m Drop 0.0 m/km Separation 0.0 %
 Type of surface: paved 94 % dirt 6 % gravel _____ % grass _____ % track _____ %
 Effective date of certification: September 6, 2017 Certification code: MA16012BK

Notice 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 this course, or at the discretion of USA Track & Field, a verification remeasurement 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 in the year **2026**

AS NATIONALLY CERTIFIED BY:

Bob Kennedy Date: September 6, 2017
 Bob Kennedy – USATF/RRTC Certifier
 18 Riverview Road, Durham, NH 03824, 508-577-4105, osprey02554@yahoo.com