Road Running Technical Council
USA Track & Field
Measurement Certificate

recognized by
RRCA
ROAD RUNNERS CLUB OF AMERICA

Name of the course 2023 Raleigh Holiday Half Marathon   Distance 21.0975 km

Location (state) NC   (city) Raleigh

Type of course: Road Race

Measuring Methods: Bicycle

Measured By Brad Smythe, 7928 Brandyapple Drive, Raleigh, NC 27615, bdsmythe78@yahoo.com, 919-208-8616

Race Contact Pat Price, 1519 Sunrise Ave, Raleigh, NC 27608, 919-260-8013, sirwalterrunning@gmail.com

Date(s) when course measured: 10/7/2023

Number of measurements of entire course: 2   Course Configuration: Out and Back

Elevation (meters above sea level) Start 67.00   Finish 67.00   Lowest 58.00   Highest 75.00

Straight line distance between start and finish 0m   Drop 0.00   m/km   Separation 0.00   %

Type of surface: Paved 99   % Dirt 0   % Gravel 0   % Grass 0   % Track 1   %

Effective date of certification: October 13, 2023   Certification code: NC23035BDS

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: **2033**

AS NATIONALLY CERTIFIED BY:

Date: October 13, 2023

Brad Smythe - USATF/RRTC Certifier - 7928 Brandyapple Drive, Raleigh NC 27615
(919) 208-8616 - bdsmythe78@yahoo.com

2023 Raleigh Holiday Half Marathon
Raleigh, NC
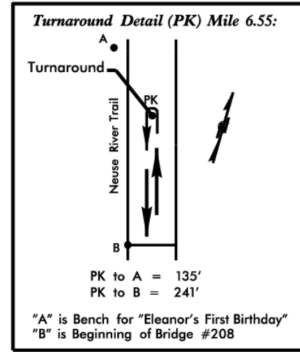**River Bend Middle School**
Measured:
  By: Brad Smythe
  Email: bdsmythe78@yahoo.com
  On: October 7, 2023

This course was measured using the full width of the road and the Shortest Possible Route (SPR) unless otherwise noted.

Turnaround

USATF Certificate
NC23035BDS
Effective: 10/13/2023
Through: 12/31/2033

Turnaround Detail (PK) Mile 6.55:

Turnaround

PK to A = 135'
PK to B = 241'

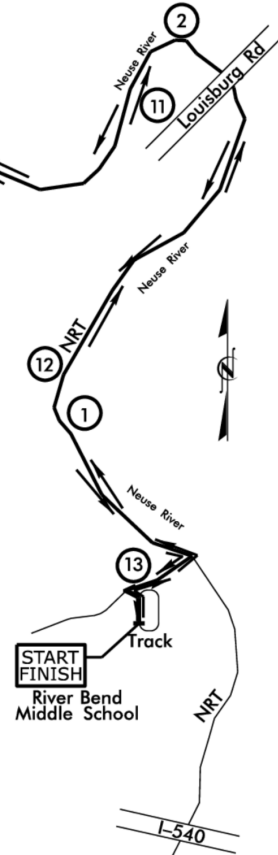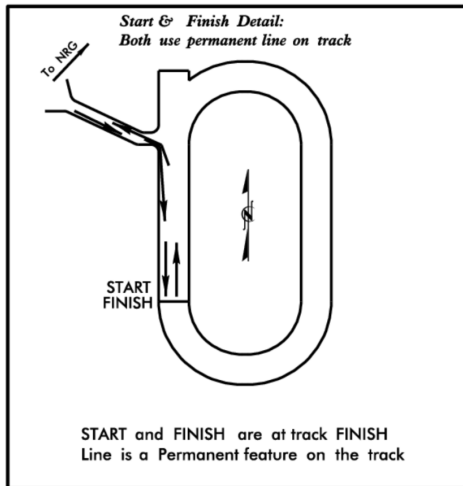"A" is Bench for "Eleanor's First Birthday"
"B" is Beginning of Bridge #208

2023 Raleigh Holiday Half Marathon Course Directions
Start on track common finish running north
Left at gate to greenway connector
Right at trail junction
Left onto NRT
Follow NRT north to the turnaround past railroad bridge
On return trip, follow NRT south to connector
Right at trail junction
Left to go into gate to track
Right on track to finish running counter clockwise

2023 Raleigh Holiday Half Marathon Approximate Mile Split Location:
(Marked on course with yellow paint on Runner's Right side)

Start: on track at FINISH line, see detail
Mile 1: on NRT, 35.87423, −78.53462
Mile 2: on NRT, 35.88541, −78.53020
Mile 3: on NRT, 35.88044, −78.54022
Mile 4: on NRT, 35.89300, −78.53362
Mile 5: on NRT, 35.90650, −78.53810
Mile 6: on NRT, 35.90770, −78.55120
Turnaround (Mile 6.55): on NRT, 35.91110, −78.55942, see detail
Mile 7: on NRT, 35.90797, −78.55311
Mile 8: on NRT, 35.90785, −78.53921
Mile 9: on NRT, 35.89480, −78.53380
Mile 10: on NRT, 35.88312, −78.54205
Mile 11: on NRT, 35.88499, −78.53161
Mile 12: on NRT, 35.87559, −78.53371
Mile 13: on Connector to NRT, 35.86446, −78.53118
Finish: on Track, see detail

WRAL Soccer Park

Start & Finish Detail:
Both use permanent line on track

To NRG

START
FINISH

START and FINISH are at track FINISH
Line is a Permanent feature on the track

START
FINISH
River Bend
Middle School

Track

Note:
Map not to scale
Not all streets are shown.