



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



Name of the course FSN Half Marathon Distance 21.0975 km  
Location (state) NY (city) Brooklyn  
Type of course: Road Race  
Measuring Methods: Bicycle  
Measured By Owen Strong, 321 East 88th St., New York, NY 10128, orstrong@yahoo.com, 315-200-2010  
Race Contact Timothy Clarke, tclarke7026@gmail.com, 917-755-3158  
Date(s) when course measured: 10/23/2023  
Number of measurements of entire course: 2 Course Configuration: keyhole  
Elevation (meters above sea level) Start 32.00 Finish 32.00 Lowest 18.90 Highest 52.12  
Straight line distance between start and finish 0m Drop 0.00 m/km Separation 0.00 %  
Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %  
Effective date of certification: October 27, 2023 Certification code: NY23086DNB

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 30, 2023

Diana Bean - USATF/RRTC Certifier - 180 W. Lake Road, Brackney PA 18812  
(607) 240-9858 - dbean0120@gmail.com

# FSN HALF MARATHON

BROOKLYN, NY, MEASURED OCTOBER 23RD, 2023

MEASURED BY OWEN STRONG

ORSTRONG@YAHOO.COM

**ROAD USE:** RESTRICTED ROUTE ON EAST & WEST DRIVES – INNER PEDESTRIAN LANES ONLY

UNRESTRICTED ROUTE ON CENTER DRIVE – FULL WIDTH OF ROADWAY

\*MEASURED ON THE SHORTEST POSSIBLE ROUTE WITHIN THESE PARAMETERS\*



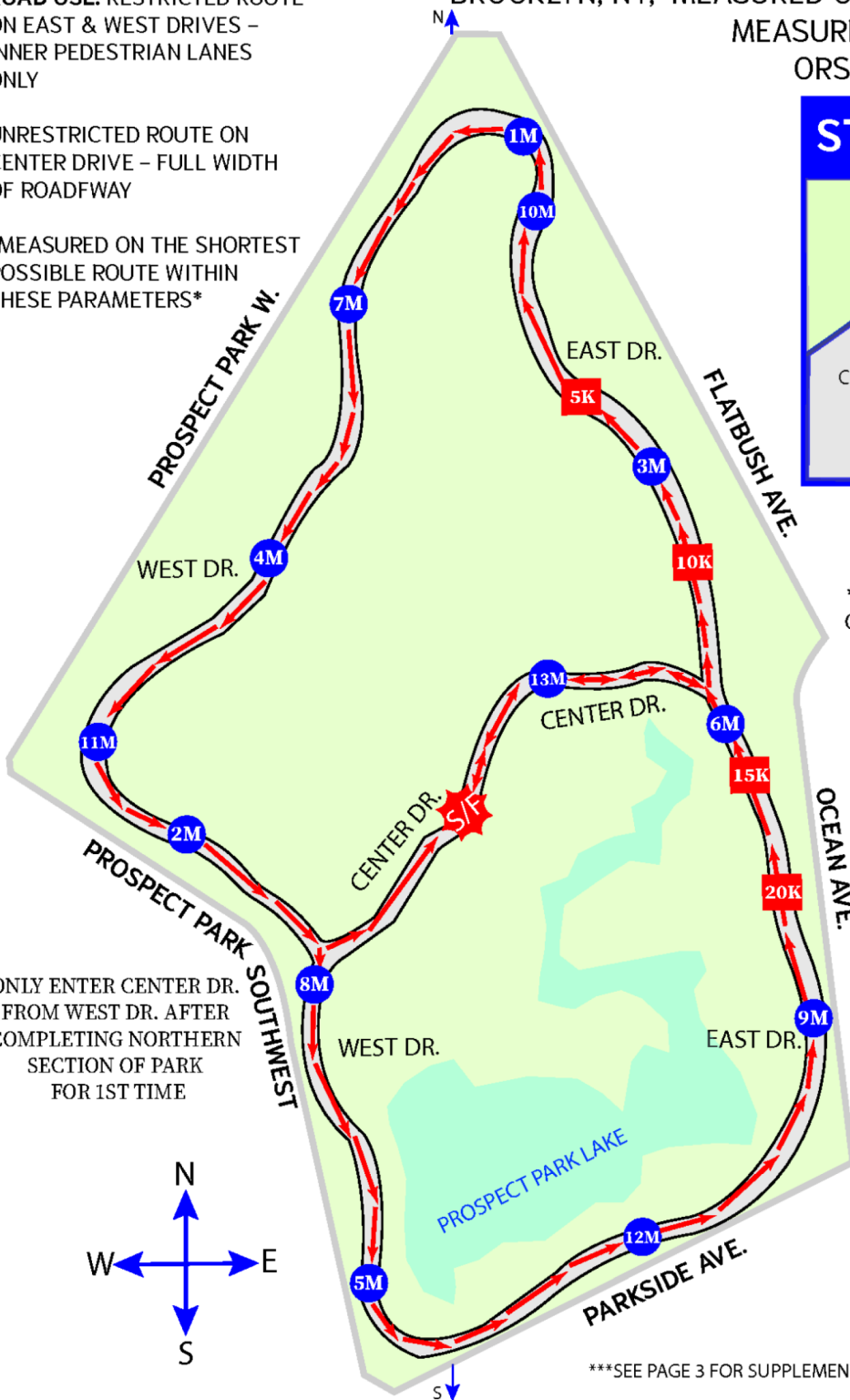
**x1 NORTHERN LOOP**

**x3 FULL LOOPS**

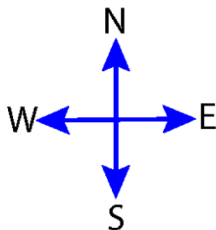
\*COUNTER-CLOCKWISE LOOPS\*  
ONLY ENTER CENTER DR. FROM EAST DR. TO FINISH AFTER COMPLETION OF ALL LOOPS



**USATF Certificate**  
NY23086DNB  
Effective: 10/27/2023  
Through: 12/31/2033



ONLY ENTER CENTER DR. FROM WEST DR. AFTER COMPLETING NORTHERN SECTION OF PARK FOR 1ST TIME



\*\*\*SEE PAGE 3 FOR SUPPLEMENTAL COURSE DESCRIPTIONS\*\*\*

## **FSN HALF – COURSE MILE AND KILOMETER MARKS**

**\*ALL LANDMARKS DESCRIBED FROM RUNNER'S PERSPECTIVE IN DIRECTION THE COURSE IS RUN\***

**START/FINISH** – ON CENTER DRIVE – 44' 6" AFTER (NORTHEAST OF) FAR EDGE OF LIGHTPOLE H211 WITH EMERGENCY CALL BOX. ALSO 83' 4" BEFORE (SOUTHWEST OF) NEAR EDGE OF LIGHTPOLE G102; **40.660699, -73.970071**

**MILE 1** – EAST DR., 28' 10" BEFORE NEAR EDGE OF LIGHTPOLE S112; **40.671077, -73.969191**

**MILE 2** – WEST DR., 62' 8" BEFORE NEAR EDGE OF CROSSLIGHT "POST 7"; **40.660156, -73.975977**

**MILE 3** – EAST DR., 21' 3" BEFORE NEAR EDGE OF CROSSING LIGHT "POST 17A"; **40.665822, -73.966540**

**5 KILOMETERS** – EAST DR., 11' 9" AFTER FAR EDGE OF LIGHTPOLE. ALSO 136' 4" BEFORE NEAR EDGE OF HYDRANT; **40.666908, -73.968186**

**MILE 4** – WEST DR., 9' 2" AFTER FAR EDGE OF LIGHTPOLE T210; **40.6644, -73.97366**

**MILE 5** – WEST DR., 5' 2" AFTER FAR EDGE OF LIGHTPOLE H135 (ON RUNNER'S RIGHT SIDE); **40.653258, -73.971978**

**MILE 6** – EAST DR., 76' 1" BEFORE NEAR EDGE OF HYDRANT. ALSO 99' 3" BEFORE NEAR EDGE OF LIGHTPOLE N138; **40.661258, -73.964578**

**10 KILOMETERS** – EAST DR., 26' 1" BEFORE NEAR EDGE OF LIGHTPOLE 106; **40.664150, -73.965615**

**MILE 7** – WEST DR., 37' 10" BEFORE NEAR EDGE OF LIGHTPOLE S224 WITH "ROAD MAY FLOOD" SIGN; **40.669014, -73.972060**

**MILE 8** – WEST DR., 2' 3" BEFORE NEAR EDGE OF GROUND ELECTRICAL COVER; **40.657960, -73.972990**

**MILE 9** – EAST DR., 67' 0" AFTER FAR EDGE OF LIGHTPOLE 103 (ON RUNNER'S RIGHT SIDE); **40.656764, -73.962863**

**15 KILOMETERS** – EAST DR., EVEN WITH FAR EDGE OF LIGHTPOLE N135 (ON RUNNER'S RIGHT SIDE); **40.660963, -73.964414**

**MILE 10** – EAST DR., 40' 6" AFTER FAR EDGE OF CROSSING LIGHT "POST 18"; **40.669678, -73.968839**

**MILE 11** – WEST DR., 29' 5" BEFORE NEAR EDGE OF LIGHTPOLE E263; **40.661145, -73.977515**

**MILE 12** – EAST DR., 13' 7" AFTER FAR EDGE OF LIGHTPOLE K138 WITH EMERGENCY CALL BOX; **40.653517, -73.967492**

**20 KILOMETERS** – EAST DR., 47' 6" AFTER FAR EDGE OF LIGHTPOLE L141; **40.657790, -73.963113**

**MILE 13** – CENTER DR., AFTER BRIDGE ON CENTER DRIVE, 3' 10" BEFORE HYDRANT'S NEAR EDGE; **40.662186, -73.969346**

## **FSN HALF – COURSE TURN-BY-TURN DIRECTIONS**

**\*ALL DIRECTIONS DESCRIBED FROM RUNNER'S PERSPECTIVE IN DIRECTION THE COURSE IS RUN\***

- HEAD EAST ON CENTER DR.
- LEFT TURN ONTO EAST DR. HEADING NORTH
- FOLLOW EAST DRIVE MERGING INTO WEST DR.
- HEAD SOUTH ON WEST DR.
- LEFT TURN ONTO CENTER DR.
- HEAD EAST ON CENTER DR. (NORTHERN LOOP COMPLETED)
- LEFT TURN ONTO EAST DR. HEADING NORTH
- FOLLOW EAST DR. MERGING INTO WEST DR.
- HEAD SOUTH ON WEST DRIVE (DO NOT TURN ONTO CENTER DR.)
- FOLLOW WEST DR. MERGING INTO EAST DR.
- HEAD NORTH ON EAST DR. (DO NOT TURN ONTO CENTER DR. – FULL LOOP 1 COMPLETE)
- FOLLOW EAST DR. MERGING INTO WEST DR.
- HEAD SOUTH ON WEST DRIVE (DO NOT TURN ONTO CENTER DR.)
- FOLLOW WEST DR. MERGING INTO EAST DR.
- HEAD NORTH ON EAST DR. (DO NOT TURN ONTO CENTER DR. – FULL LOOP 2 COMPLETE)
- FOLLOW EAST DR. MERGING INTO WEST DR.
- HEAD SOUTH ON WEST DRIVE (DO NOT TURN ONTO CENTER DR.)
- FOLLOW WEST DR. MERGING INTO EAST DR.
- HEAD NORTH ON EAST DR. (FULL LOOP 3 COMPLETE)
- LEFT TURN ONTO CENTER DR. HEADING WEST TO FINISH