



Road Running Technical Council  
USA Track & Field

Measurement Certificate



Name of the course By Hook or By Crook 12K (Verified) Distance 12 km

Location (state) NJ (city) Highlands

Type of course: Road Race

Measuring Methods: Bicycle

Measured By Jane Parks, janehp3@gmail.com, 973-349-0033

Race Contact Terry Mullane, 150 River Rd. Montville, NJ, 07045, managingdirector@newjersey.usatf.org, 973-334-8900

Date(s) when course measured: 09/04/2018, 09/15/2021

Number of measurements of entire course: 1 Course Configuration: Complex of Different Loops

Elevation (meters above sea level) Start 3.66 Finish 3.66 Lowest 0.00 Highest 7.32

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: September 5, 2018 Certification code: NJ18017LMB

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: **2028**

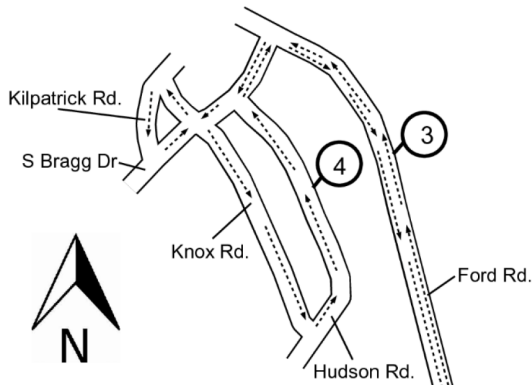
AS NATIONALLY CERTIFIED BY:

Date: September 17, 2021

Jack Werbler - USATF/RRTC Certifier - 19 Amagansett Drive, Morganville NJ 07751  
(908) 692-6686 - jwerb@optonline.net

**By Hook Or By Crook 12k (Verified)  
Gateway National Recreation Area  
Highlands, New Jersey  
Course Map (Not to Scale)**

**USATF Certificate # NJ18017LMB  
Effective Dates: September 5, 2018 to  
December 31, 2028**



**Course Description:** START on Hartshorne Dr. heading north; right onto Atlantic Dr.; right onto Ford Rd.; left onto S. Bragg Dr.; right onto Knox Rd.; left onto Kilpatrick Rd.; left onto S. Bragg Dr.; right onto Knox Rd.; left onto Hudson Rd.; right onto S. Bragg Dr.; right onto Ford Rd.; left onto Atlantic Dr.; left onto Hartshorne Dr. to FINISH.



**Mile Markers:**

**Start:** On Hartshorne Dr. facing north, between the Ranger Station and Parking Lot E. 218' 4" south of the guard house in the center median;

**Mile 1:** Heading north between Area F Road and Atlantic Dr. 910' south of directional sign for Fort Hancock, Sandy Hook Lighthouse, Gunnison Beach and North Beach;

**Mile 2:** Heading north on Atlantic Dr. .28 miles south of the DO NOT ENTER sign where Atlantic Dr. splits into separate north and south lanes;

**Mile 3:** Heading north on Ford Rd. 11' north of the manhole lid in the road exiting parking lot "I" onto Ford Rd.;

**Mile 4:** Heading north on Hudson Road 263' south of the hydrant opposite the north end of Battery Granger;

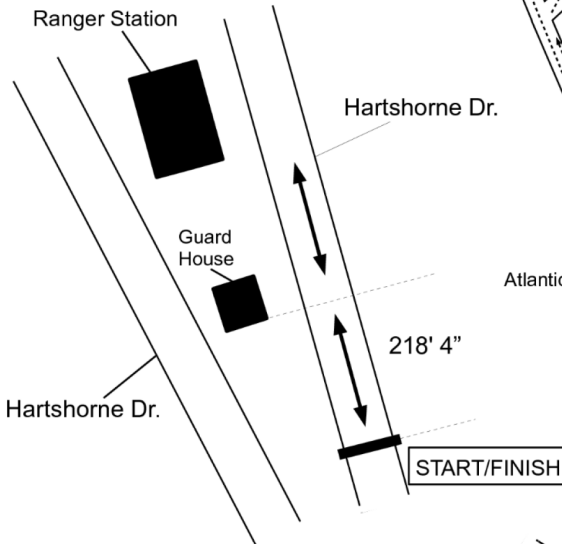
**Mile 5:** On Atlantic Rd. heading southeast, 191' east of the hydrant at the intersection of Atlantic and Gunnison Rd, opposite the bathrooms next to Battery Gunnison;

**Mile 6:** Heading southwest on Atlantic Rd. 17' east of the 15 MPH left curve sign which is on the south side of Atlantic;

**Mile 7:** On Hartshorne Dr. 381' south of "Fishing Beach" sign just south of Area "F" Rd.;

**Finish:** Same as start.

**START/FINISH DETAIL**



**Course Notes:**

1. Between the Start/Finish and Atlantic Dr., Hartshorne Dr. has two lanes split by a grass median. The southbound lane (west side of grass median) is closed to runners. Both lanes of the northbound road (east side off grass median) are unrestricted and available to runners in either direction. All other roads throughout the course are unrestricted.

2. 12k=7.4564543 miles.

3. Start/Finish line is marked with a PK Nail and Washer on both edges of Hartshorne Dr.

4. Measured along the full width of the road/path using the shortest possible route (SPR)

Measured by:  
Jack Werbler on  
September 4, 2018  
jwerb@optonline.net  
908-692-6686



**USATF Certificate**  
NJ18017LMB  
Effective: 09/05/2018  
Through: 12/31/2028

This course was pre-verified on September 15, 2021 by Jane H. Parks, janehp3@gmail.com