



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



Name of the course Jump Off Rock Half Marathon Distance 21.0975 km  
Location (state) NC (city) Hendersonville  
Type of course: Road Race  
Measuring Methods: Bicycle  
Measured By Mark Blakeley, 122 Founders Dr, Flat Rock, NC 28731 beachcruisers525@gmail.com 772-812-8950  
Race Contact Daphne Kirkwood, PO Box 1466, Skyland, NC 28776 daphne@idaph.net 828-450-7514  
Date(s) when course measured: 04/05/2023, 04/06/2023  
Number of measurements of entire course: 2 Course Configuration: point to point  
Elevation (meters above sea level) Start 926.00 Finish 656.00 Lowest 644.00 Highest 926.00  
Straight line distance between start and finish 6000m Drop 12.80 m/km Separation 28.44 %  
Type of surface: Paved 93 % Dirt 0 % Gravel 7 % Grass 0 % Track 0 %  
Effective date of certification: April 27, 2023 Certification code: NC23011DF

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: April 30, 2023

Dick Forbis - USATF/RRTC Certifier - 117 W. Carr Street, Carrboro NC 27510  
(919) 360-6006 - dick\_forbis@unc.edu



## Jump Off Rock Half Marathon

### Hendersonville, North Carolina

#### *Mile Location Descriptions*

<b>Mile</b>	<b>Description</b>
Start	The start line is at the west end of Laurel Park Hwy near the entrance to Jump Off Rock park. Laurel Park Hwy has a roughly 250ft long one-way needle like loop in front of the park. Runners congregate in Jump Off Rock park before the race begins. The course uses the north side road in the loop running against traffic to the turn at Beachwood Circle. A PK nail painted pink is located on the north side roadway next to the 250ft traffic island approximately 50ft east of the park entrance and directly across from the west edge of the west driveway at 4433 Laurel Park Hwy. (Precise measurements are included in the course map)
1	On Beechwood Cir heading west approximately 500ft before the turn onto Laurel Park Hwy. PK nail painted pink on the right edge of the roadway and tree marked in pink across the road from the PK Nail
2	On Toms Dr 10ft before the transition from gravel to asphalt pavement. Approximately 700ft before the turn onto East Ramp. Pink paint mark on the large stump on the left side of the roadway.
3	On Orchard Circle heading SW approximately 500ft before the turn onto Laurel Park Hwy. PK nail painted pink on the left side of the roadway and also a pink paint mark on a large tree 20ft beyond the PK nail on the left.
4	On Sabine Dr just after the first right turn approximately 1400ft past Apple Ln and 5ft before the driveway entrance at 511 Sabine Dr. PK nail painted pink on the left side of the roadway and large tree with pink paint mark across on the right.
5	On Briarcliff Dr approximately 150ft after the turn from Robinson Ln heading west and directly in front of the home at 179 Briarcliff Ln. PK nail painted pink on the right side of the roadway and water main with pink paint mark of the left side.
6	On Crystal Springs Dr heading north and just beyond the edge of the driveway at 310 Crystal Springs Dr. PK nail and natural gas line post with pink paint mark of the left side of the roadway.
7	On 5th Ave W heading west on the north side walk approximately 250ft past Blythe St. PK nail painted pink on left side of the roadway and cement utility cover with pink paint mark on the left side of the north sidewalk.
8	On 3rd Ave W heading west approximately 50ft after the turn from Valley St. PK nail painted pink on the right side of the roadway.

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### Hendersonville, North Carolina

#### *Mile Location Descriptions*

<b>Mile</b>	<b>Description</b>
9	On N Lakeside Dr heading south approximately 20ft before the driveway at 215 N Lakeside Dr. PK nail painted pink on right side of the roadway.
10	On N Lakeside Dr heading SE on the SE edge of the intersection with S Carolina Ave. PK nail painted pink on the left side of the roadway.
11	On S Lakeside Dr heading NE 30ft before the turn onto N Lakeside Dr. PK nail painted pink on the right side of the roadway and a pink paint mark on the cement island on left.
12	On S Whitted Rd heading NW approximately 50ft past Dale St. PK nail painted pink on left of the roadway.
13	On 4th Ave W heading east approximately 75 ft beyond Church street and in from to the Federal Building at 140 4th Ave W. PK nail painted pink on the right side of the road and next to the town's hanging flower pole.
Finish	On N Main St approximately 60ft after crossing 5th Ave in front of the Silver Fox Gallery. PK Nail is painted pink and located on the second rear parallel parking boundary marker on the west of N Main St. (Precise measurements are included in the course map)

The finish line is shared with the Jump Off Rock 10k. A 10k PK nail painted green is located along side the half marathon marker.

Note: All locations have also been documented with GPS locations, photos and video.