



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



Name of the course Rock 'n' Roll Half Marathon Distance 21.0975 km
Location (state) DC (city) Washington
Type of course: Road Race
Measuring Methods: Bicycle
Measured By Robert Thurston, 13 Kennedy St NE, Washington, DC 20011. 202-431-0585 thurret@aol.com
Race Contact Keith Dowling, keith@dowlingeventmanagement.com (703) 622-2127
Date(s) when course measured: 12/30/2022; 01/27/2023
Number of measurements of entire course: 2 Course Configuration: point to point
Elevation (meters above sea level) Start 2.00 Finish 4.00 Lowest 2.00 Highest 61.00
Straight line distance between start and finish 1078m Drop 0.09 m/km Separation 5.10 %
Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %
Effective date of certification: March 6, 2023 Certification code: DC23002RT

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.

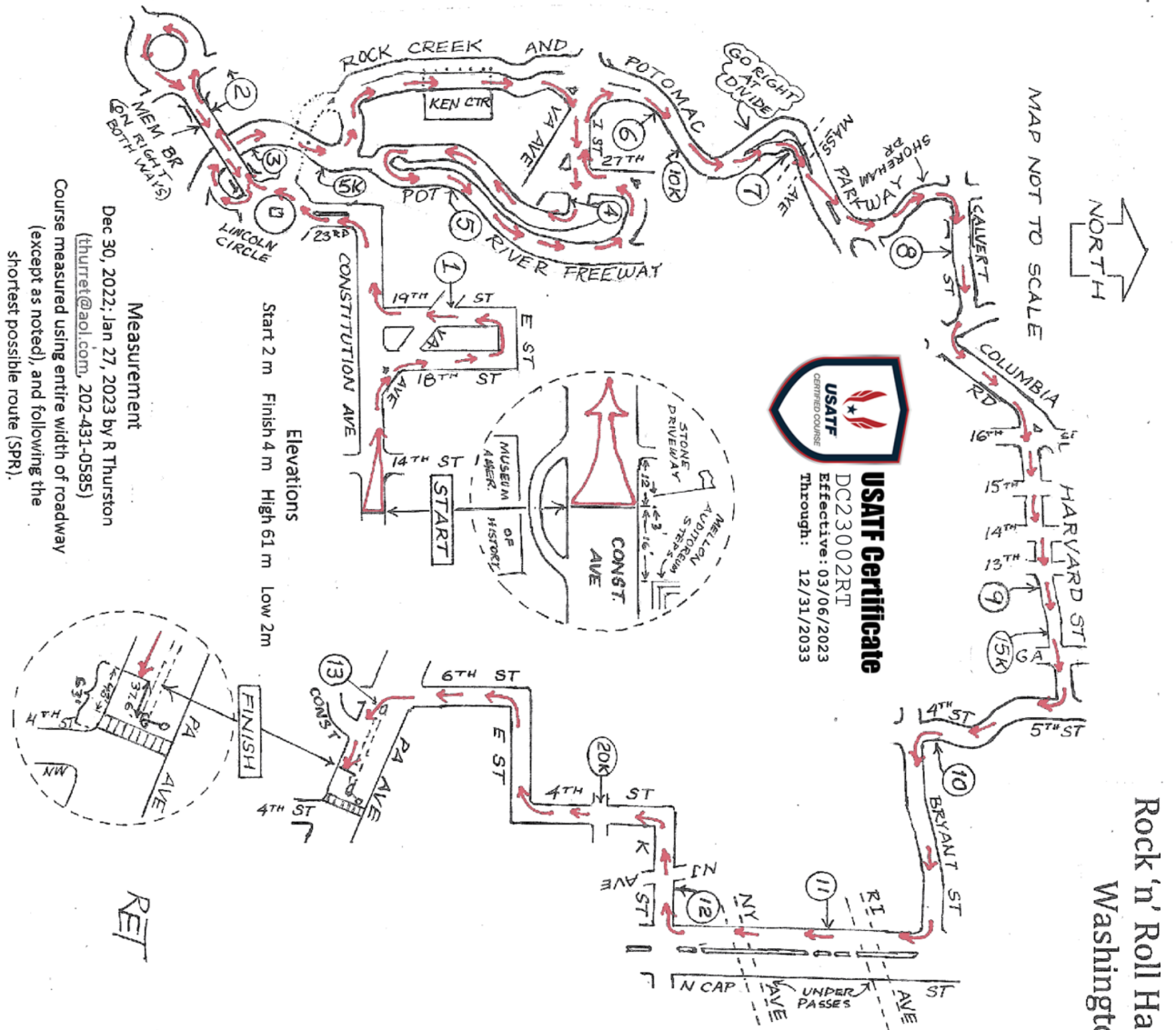
Verification of Course --- In the event a National Open Record is set on the course, or at the discretion of USA Track & Field, a verification measurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all 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: March 6, 2023

Robert Thurston - USATF/RRTC Certifier - 13 Kennedy St NE, Washington DC 20011
(202) 431-0585 - thurret@aol.com



Rock 'n' Roll Half Marathon Washington, DC

Rock 'n' Roll Half Marathon 2023
Coordinates and Descriptions

Point	N Lat.	W Long.	Description
Start	38° 53.533'	77° 1.819'	Start: Constitution Avenue NW, 144 y East of E edge 14 th St NW; 12' E of stone driveway across from American History Museum; 16' W of steps to Mellon Auditorium; 3' E of center, westmost tall flagpole
R1	38° 53.623'	77° 2.614'	1 mi: 19 th St NW, 2' S of NW corner at VA Ave; at S edge of manhole
R2	38° 53.195'	77° 3.472'	2 mi: Mem Br outbound, 12' past I/ pole # 7 from VA side; 12' bef storm drain.
R3	38° 53.329'	77° 3.148'	3 mi: Ohio Drive, 66' past Mem Br overpass; 39' before Lincoln steps.
R 5K	38° 53.417'	77° 3.130'	5K: Ohio Drive, 68' past Parkway (2 nd) overpass.
R4	38° 54.039'	77° 3.332'	4 mi: Approach to Freeway (I St), 22' bef pole #28432; 5' past end of d/way on R
R5	38° 53.757'	77° 3.210'	5 mi: N-bound on Freeway, under bridge #1205, ~10' S of N edge of overpass
R6	38° 54.432'	77° 3.281'	6 mi: Rock Creek Parkway, 107 y past "35 MPH" sign
R 10K	38° 54.538'	77° 3.114'	10K: R Creek Parkway, 55' before 2 nd L-pole on left before P St entrance/exit
R7	38° 55.007'	77° 3.504'	7 mi: RC Pkwy, 92' bef brown sign (Cath & Conn Aves); 87 y bef Mass Ave bridge
R8	38° 55.391'	77° 2.798'	8 mi: Calvert St, 64 y past E edge, Biltmore St; in front of #1954 Calvert St.
R9	38° 55.607'	77° 1.769'	9 mi: Harvard St, 20' R of E crosswalk at 13 th St.
R 15K	38° 55.623'	77° 1.415'	15K: Harvard St, 3' past steps to #720 (R); property line between 707/709 (L)
R10	38° 55.231'	77° 1.079'	10 mi: 4 th St, 35' before corner of Bryant; 4' N of storm drain (L).
R11	38° 54.826'	77° 0.550'	11 mi: In front of steps to #1738; 9' bef "No Parking" sign; 25' past island (R)
R12	38° 54.155'	77° 0.805'	12 mi: K St, 50' before NJ Ave crosswalk; 21' before bus shelter (R).
R 20K	38° 53.901'	77° 0.974'	20K: 6 th and G St intersection: 2' past manhole; 34' before south crosswalk.
R13	38° 53.562'	77° 1.184'	13 mi: PA Ave, immediately after L turn onto R side: 15' past L-pole in median; 9.5' E of start of crosswalk.
R Fin	38° 53.528'	77° 1.070'	Finish: PA Ave: on R side, 9' W of tall light pole; 43' before 4 th St crosswalk; 63' W of corner, 4 th St. In median area, 37.6' W of median light pole.
Note: Points are marked with the letter "R"			