USATF	Road Running Technical Council USA Track & Field	recognized by
	Measurement Certificate	

Name of the course Bird in Hand Half Marathon	Distance 21.0975 km
Location (state) <u>PA</u>	(city) Bird in Hand
Type of course: <u>Road Race</u>	
Measuring Methods: Bicycle	
Measured By Marshall Pickard, 240 W. Lemon Street, Lan	caster, PA 17603, marshall@2lraceservices.com, 610-301-5792
Race Contact Lowell Ladd, 1144 Cotswold Lane, West Che	ester, PA 484.319.1185
Date(s) when course measured: 06/01/2023	
Number of measurements of entire course: <u>2</u> Course C	Configuration: Loop
Elevation (meters above sea level) Start 109.73 Finish	109.73 Lowest 101.80 Highest 144.78
Straight line distance between start and finish <u>396.24m</u>	Drop m/km Separation8
Type of surface: Paved <u>92 %</u> Dirt <u>0 %</u> Gravel <u>4</u>	<u>%</u> Grass <u>4 %</u> Track <u>0 %</u>
Effective date of certification: June 4, 2023	Certification code: PA23008NP
	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.

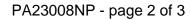
This certification expires on December 31 of the year: 2

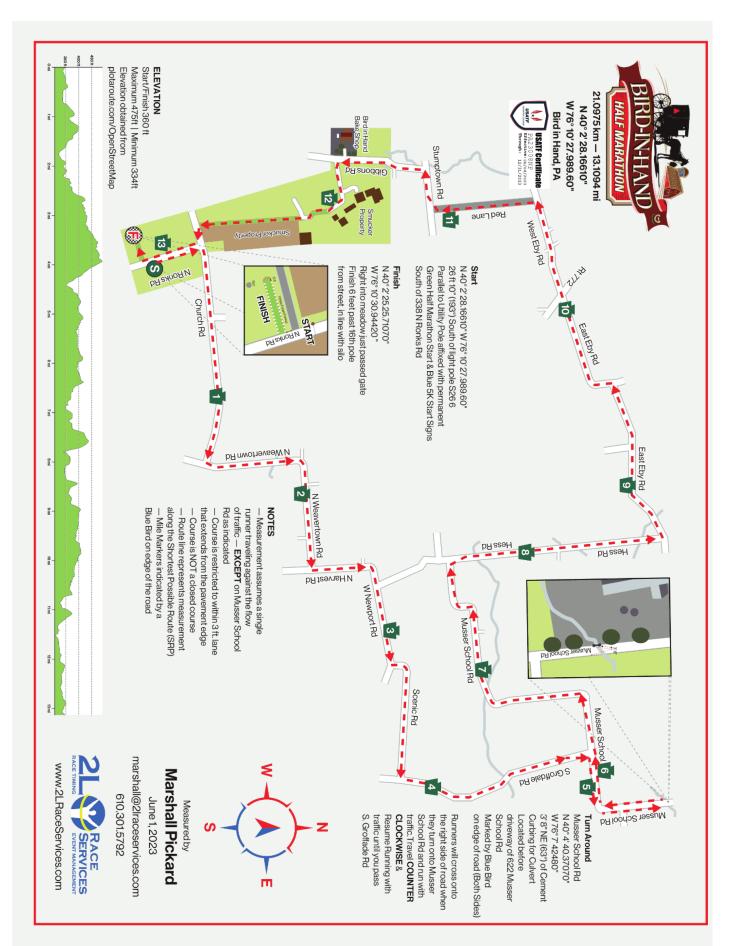
2033

AS NATIONALLY CERTIFIED BY:

_ Date: June 14, 2023

Nathan Porch - USATF/RRTC Certifier - 1309 Park Ave, Ste 4R, Baltimore MD 21217 (856) 803-7678 - Nathanporch@gmail.com







Mile 2

W 76° 9' 10.10670" N 40° 3' 8.10140" Church Rd Mile 1

START

South of 338 N Ronks Rd, Bird in Hand PA Marathon Start & Blue 5K Start Signs Parallel to Utility Pole affixed with permanent Green Half W 76° 10' 27.989.60" N 40° 2' 28.16610" 26 ft 10" (193°) South of light pole S26 6

FINISH

Right into meadow just pass gate W 76° 10' 30.94420 ' N 40° 2' 25.25.71070' Finish 6 feet past 16th pole from street, in line with silo

TURN AROUND

driveway of 622 Musser School Rd W76°7'42480" N 40° 4' 40.37070" Marked by Blue Bird on edge of road (Both Sides) 3'8" NE (63°) of Cement Curbing for Culvert. Located before Musser School Rd

N 40° 4' 22.75710"

Musser School Rd

Mile 6

N 40° 4' 22.24980"

W 76° 7' 26.42480" Musser School Rd

11' 5" E (76°) of 20 MPH Curve Sign

Mile 5

W 76° 7' 30.92600" N 40° 3' 42.13040" S. Groffdale Rd Mile 4

66' SW (212°) of Mailbox #325

W 76° 7' 37.29730"

17' 5" W (278°) of 40 MPH Speed Limit Sign

Resume Running with traffic.Travel COUNTER CLOCKWISE & School Rd and run with they turn onto Musser the right side of road when Runners will cross onto traffic until you pass

NOTES

S. Groffade Rd

Route line represents measurement along the Shortest Possible Measurement assumes a single runner traveling against the flow of traffic — **EXCEPT** on Musser School Rd as indicated Route (SRP) Course is NOT a closed course Course is restricted to within 3 ft. lane that extends from the pavement edge

Mile 9 E Eby Rd

N 40° 4' 3.33830"

W 76° 8' 50.56510"

10' NW (335°) of Utility Pole #44843

Mile 8

School Rd

Hess Rd

8'5" from Dead Tree and Evergreen Tree after 899 Musser

W 76° 8' 9.82340" N 40° 3' 52.50050" Mile 7

Musser School Rd

W 76° 9' 13.00460" N 40° 4' 31.79000" 18'8" NW (310°) of 20 MPH Curve Sign

Map not to scale

Mile Markers indicated by a Blue Bird on edge of the road

Mile 10 50' 1" SE (138°) of Mailbox #17 W 76° 10' 10.97570" N 40° 4' 14.78200' E Eby Rd

Mile 11

W 76° 10' 10.98570" Before Crest of Last Hill 265' from end of road N 40° 4' 14.75420" Red Lane NO Permanent Marker (Gravel Drive)

Mile 12

N 40° 3' 28.34700"

W 76° 8' 23.74050" W Newport Rd Mile 3

15' 4" East (111°) of Utility Pole #45053

29'10" East (102°) of Utility Pole W-36

W 76° 9' 10.10670" N 40° 8' 8.10140" N Weavertown Rd

26' 5" SW from corner of fence towards end of drive W 76° 10' 46.20440" N 40° 3' 15.09250 NO Permanent Marker (Private Property) Driveway off of Gibbons Rd

Mile 13

W 76° 10' 28.93680" N 40° 2' 30.97220" 96' from Utility Pole #44085/S26208 12' from white post in the field N Ronks Rd

E Eby becomes W Eby (crossing 772) Finish 6 feet past 16th pole from street, in line with silo Right into meadow just passed gate **Right on N Ronks Rd** _eft on Church Rd Continue on farm lane toward Church Rd Follow driveway around house Bear left after small silo Continue on farm lane onto John Smucker property Right at end of drive in front of houses eft into drive opposite bakery _eft on Gibbons Rd Right on Stumptown Rd Left on Red Ln _eft on E Eby Rd Follow Musser School past S Groffdale Rd & past N Groffdale Rd Right on Musser School Rd Left on S Groffdale Rd Left on Scenic Rd Continue straight on W Newport Rd/772 **Right on Church Rd** Hace starts heading north on N. Ronks Rd. Turn-by-Turn Course Directions lurnaround _eft on N Weavertown Rd