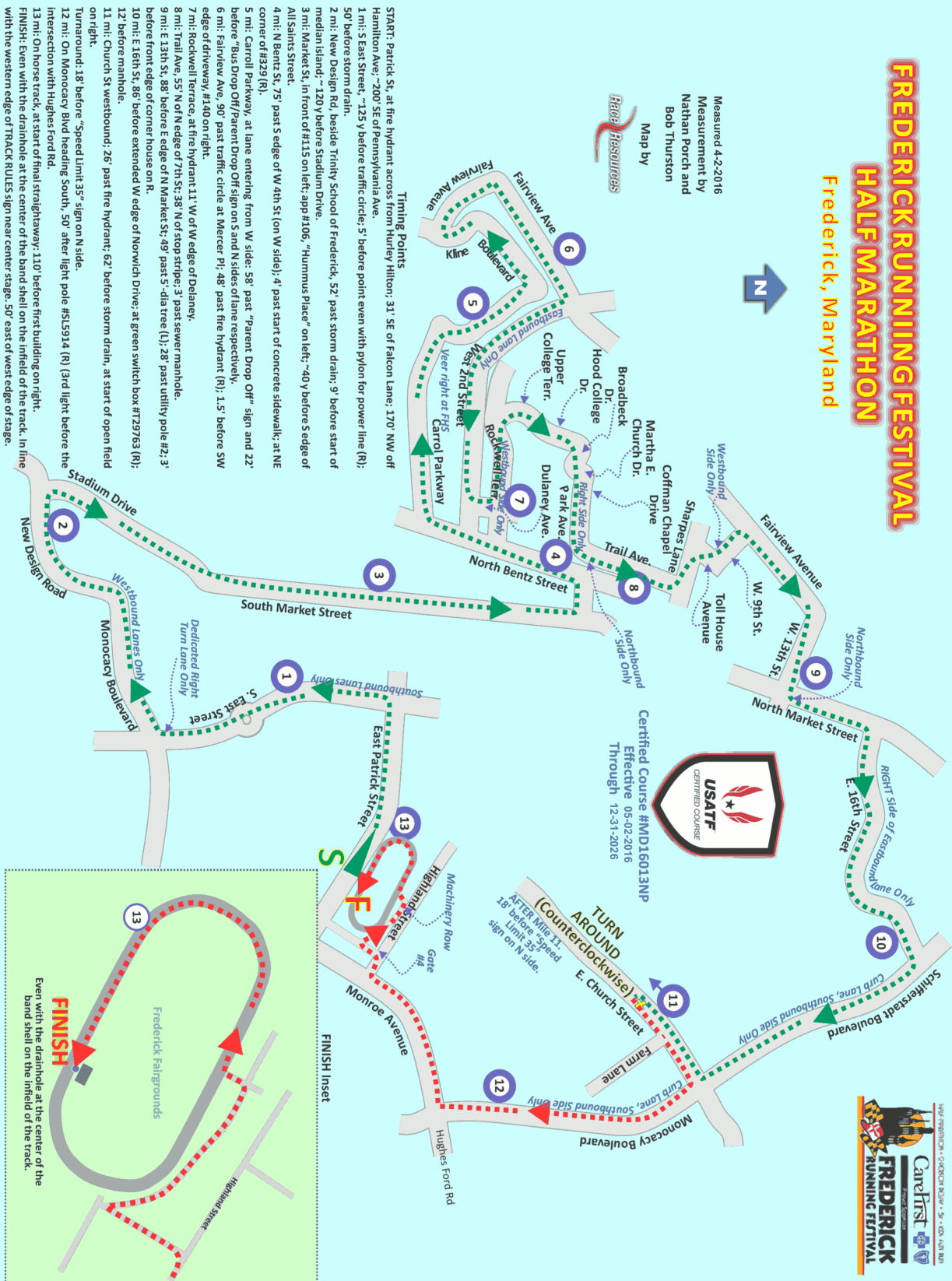


FREDERICK RUNNING FESTIVAL HALF MARATHON Frederick, Maryland



Measured 4-2-2016
Measurement by
Nathan Porch and
Bob Thurston

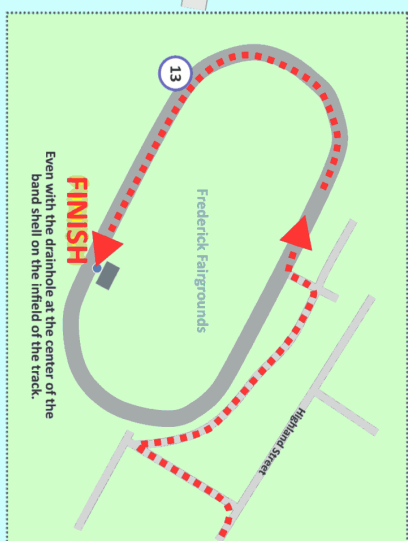
Map by



Timing Points

START: Patrick St, at fire hydrant across from Hurley Hillton. 31' SE of Falcon Lane. 170' NW of Hamilton Ave. ~200' SE of Pennsylvania Ave.
1 mi: S East Street. ~125 y before traffic circle; 5' before point even with pylon for power line (R); 50' before storm drain.
2 mi: New Design Rd, beside Trinity School of Frederick. 52' past storm drain; 9' before start of median island; ~120 y before Stadium Drive.
3 mi: Market St, in front of #115 on left; app #106, "Hummus Place" on left; ~40 y before S edge of All Saints Street.
4 mi: N Bentz St. 75' past S edge of W 4th St (on W side); 4' past start of concrete sidewalk; at NE corner of #329 (R).
5 mi: Carroll Parkway, at lane entering from W side; 58' past "Parent Drop Off" sign and 22' before "Bus Drop Off/Parent Drop Off" sign on S and N sides of lane respectively.
6 mi: Fairview Ave. 90' past traffic circle at Mercer Pl; 48' past fire hydrant (R); 1.5' before SW edge of driveway, #140 on right.
7 mi: Rockwell Terrace, at fire hydrant 11' W of W edge of Delaney.
8 mi: Trail Ave. 55' N of N edge of 7th St; 38' N of stop stripe; 3' past sewer manhole.
9 mi: E 13th St. 88' before E edge of N Market St; 49' past 5' dia tree (L); 28' past utility pole #2; 3' before front edge of corner house on R.
10 mi: E 16th St. 86' before extended W edge of Norwich Drive; at green switch box #129763 (R); 12' before manhole.
11 mi: Church St westbound; 26' past fire hydrant; 62' before storm drain, at start of open field on right.
Turnaround: 18' before "Speed Limit 35" sign on N side.
12 mi: On Monocacy Blvd heading South, 50' after light pole #15914 (R) (3rd light before the intersection with Hughes Ford Rd.
13 mi: On horse track, at start of final straightaway; 110' before first building on right.
FINISH: Even with the drainhole at the center of the band shell on the infield of the track. In line with the western edge of TRACK RULES sign near center stage. 50' east of west edge of stage.

FINISH inset





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



Name of the course Frederick Running Festival Half Marathon Distance 21.0975km
Location (state) Maryland (city) Frederick
Type of course: road race ☒ calibration course ☐ track ☐
Measuring methods: bicycle ☒ steel tape ☐ electronic distance meter ☐
Measured by (name, address, phone & e-mail) Nathan Porph (w/Bob Thurston), 940 Frenchtown Rd,
Perryville, MD 21903, (844) 424-3382 x801, nporch@bluecheetahtiming.com
Race contact (name, address, phone & e-mail) Rachel Ridgway, 3416 Prices Distillery Rd,
Ijamsville, MD 21754 (301) 471-0744, rachelridgway@gmail.com
Date(s) when course measured: Apr. 2, 2016
Number of measurements of entire course: 2 Course Configuration: Partial Loop
Elevation (meters above sea level) Start 81m Finish 84 Highest 104 Lowest 69
Straight line distance between start & finish 290 Drop -0.14 m/km Separation 1.37 %
Type of surface: paved 99 % dirt 1 % gravel % grass % track %
Effective date of certification: May 2, 2016 Certification code: MD16013NP

Notice 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 this course, or at the discretion of USA Track & Field, a verification remeasurement 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 in the year **2026**

AS NATIONALLY CERTIFIED BY:

Nathan Porph

Date: May 2, 2016

Nathan Porph – USATF/RRTC Certifier

940 Frenchtown Rd, Perryville MD 21903 (844) 424-3382 x801 nporch@bluecheetahtiming.com