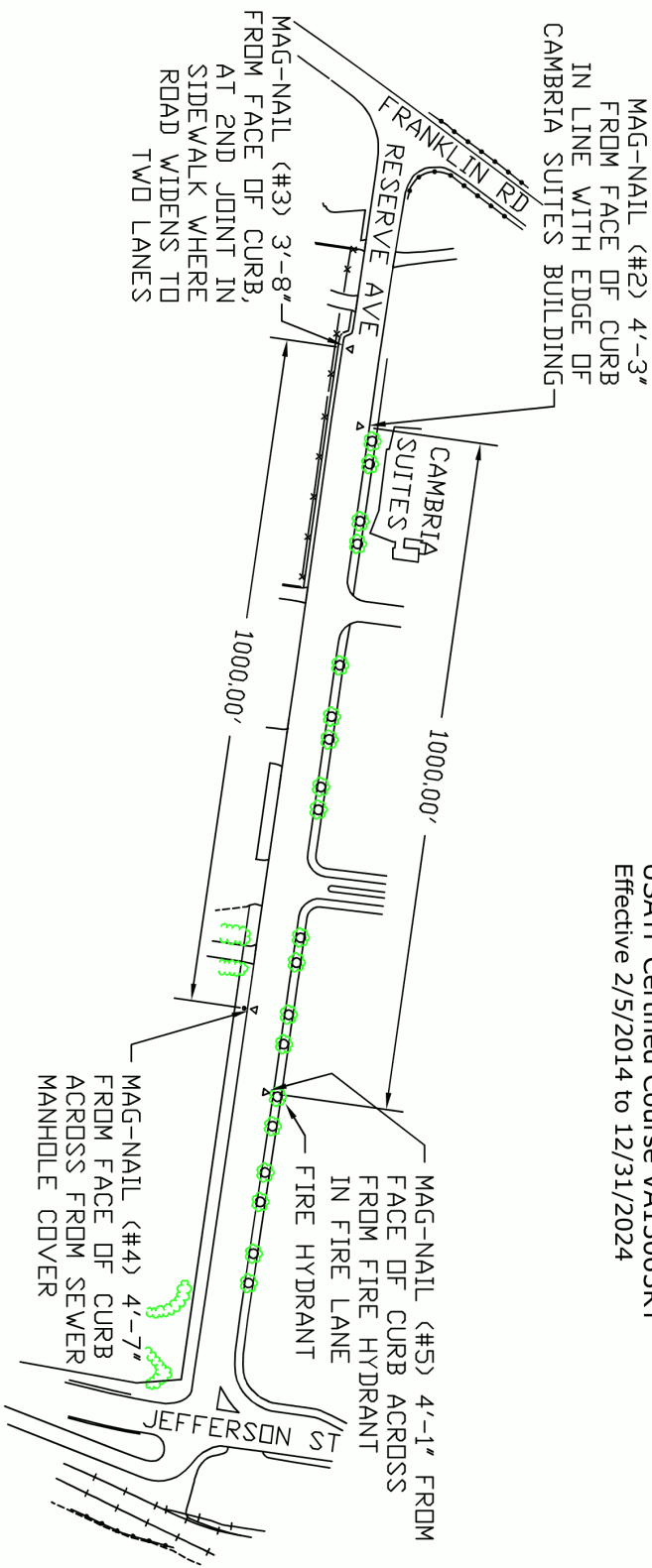


Reserve Avenue Calibration Course
USATF Certified Course VA13063RT
Effective 2/5/2014 to 12/31/2024



- NOTES:
1. THIS CALIBRATION COURSE WILL EXPIRE WHEN ROAD IS RESURFACED OR WHEN MAG-NAIL(S) ARE OBLITERATED, WHICHEVER HAPPENS FIRST.
 2. ENDPOINTS OF THE TWO 1000' CALIBRATION DISTANCES ARE MARKED BY MAG-NAILS IN PAVEMENT WITH ORANGE TAPE BENEATH, AS LOCATED IN ABOVE MAP.
 3. SURVEYED BY LARRY T. OGLE, JR, L.S. ON SEPTEMBER 6, 2013.
 4. FOR CALIBRATION PURPOSES, THE DISTANCES SHOWN HEREON ARE MEASURED ON THE SLOPE FROM TOP OF MAG-NAIL TO TOP OF MAG-NAIL AND NOT ON A HORIZONTAL PLANE.



CALIBRATION COURSE
RESERVE AVENUE
ROANOKE, VIRGINIA
SCALE: 1"=250'



Road Running Technical Council
USA Track & Field
Measurement Certificate



Name of the course RESERVE AVE CALIBRATION COURSE Distance 1000 FEET
Location (state) VIRGINIA (city) ROANOKE
Type of course: road race ☐ calibration ☐ track ☐ Configuration: 2 STRAIGHT LINES
Type of surface: paved 100 % dirt % gravel % grass % track %
Elevation (meters above sea level) Start 288 m Finish Highest Lowest
Straight line distance between start & finish 1000 FEET Drop m/km Separation 100 %
Measured by (name, address, phone & e-mail) LARRY T OGLE, JR, 4664 BRAMBLETON AVE, SW
ROANOKE, VA 24018. (540) 774-4411. e: LOGLE@LUMSDENPC.COM
Race contact (name, address, phone & e-mail) N/A

Measuring Methods: bicycle ☐ steel tape ☐ electronic distance meter ☒
Number of measurements of entire course: 2 Date(s) when course measured: SEPT 6, 2013
Race date: N/A Course certification effective date: FEB 5, 2014
Certification code: VA13063RT

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.

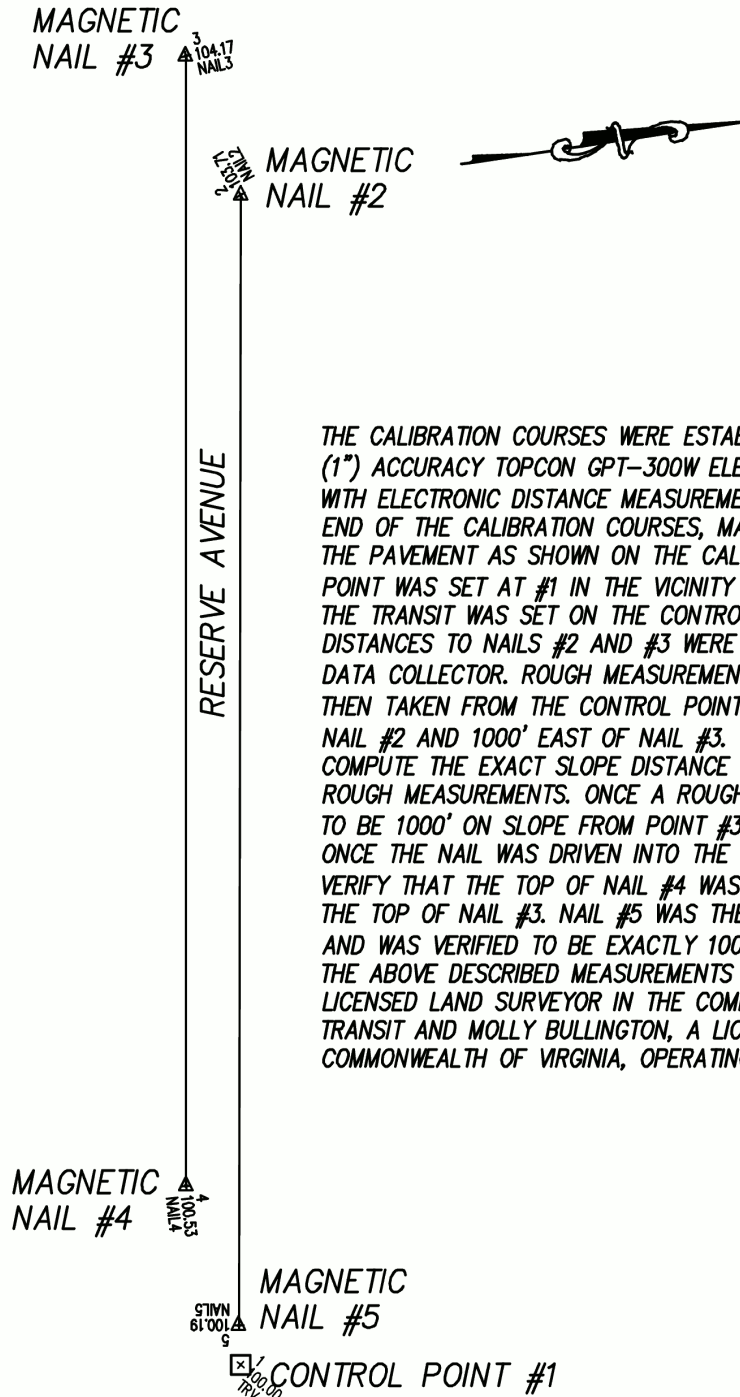
Verification of Course — In the event a National Open Record is set on this course, or at the discretion of USA Track & Field, a verification remeasurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all pending records will be rejected and the course certification will be cancelled.

This certification expires on December 31 in the year 2023

AS NATIONALLY CERTIFIED BY:

Robert Thurston

Date: FEB 22, 2014



THE CALIBRATION COURSES WERE ESTABLISHED USING A CALIBRATED 1 SECOND (1") ACCURACY TOPCON GPT-300W ELECTRONIC TOTAL STATION (TRANSIT) WITH ELECTRONIC DISTANCE MEASUREMENT CAPABILITIES (EDM). AT THE WEST END OF THE CALIBRATION COURSES, MAGNETIC NAILS #2 AND #3 WERE SET IN THE PAVEMENT AS SHOWN ON THE CALIBRATION COURSE DRAWING. A CONTROL POINT WAS SET AT #1 IN THE VICINITY OF 1000' EAST OF NAILS #2 AND #3. THE TRANSIT WAS SET ON THE CONTROL POINT #1 AND THE ANGLES AND DISTANCES TO NAILS #2 AND #3 WERE MEASURED AND RECORDED IN THE DATA COLLECTOR. ROUGH MEASUREMENTS (ANGLES AND DISTANCES) WERE THEN TAKEN FROM THE CONTROL POINT TO APPROXIMATELY 1000' EAST OF NAIL #2 AND 1000' EAST OF NAIL #3. THE DATA COLLECTOR WAS USED TO COMPUTE THE EXACT SLOPE DISTANCE FROM NAIL #2 AND NAIL #3 TO THE ROUGH MEASUREMENTS. ONCE A ROUGH MEASUREMENT POINT WAS COMPUTED TO BE 1000' ON SLOPE FROM POINT #3, NAIL #4 WAS SET AT THAT POINT. ONCE THE NAIL WAS DRIVEN INTO THE PAVEMENT, IT WAS RE-MEASURED TO VERIFY THAT THE TOP OF NAIL #4 WAS EXACTLY 1000.00' ON SLOPE FROM THE TOP OF NAIL #3. NAIL #5 WAS THEN SET USING THE SAME PROCEDURE AND WAS VERIFIED TO BE EXACTLY 1000.00' ON SLOPE FROM NAIL #2. THE ABOVE DESCRIBED MEASUREMENTS WERE TAKEN BY LARRY T. OGLE, JR., A LICENSED LAND SURVEYOR IN THE COMMONWEALTH OF VIRGINIA OPERATING THE TRANSIT AND MOLLY BULLINGTON, A LICENSED PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF VIRGINIA, OPERATING THE RANGE POLE.