

I, Martin A. Barnes, certify that this project was completed under my direct and responsible charge from an initial survey through order my supervision. That the ratio of precision as calculated [1:1 NCAC 06.1603(2) is 1:24,000 or better Class AA, and that the map meets the requirements of the Standards of Practice for Land Surveyors in North Carolina [12 NCAC 06.1600]. That the ground survey was performed on August 17 - September 21 to the 95% confidence level to meet Federal Geospatial Data Committee Standards [21 NCAC 58.1608 (3)(6)]; that the survey was performed to meet the requirements for a topographic/pleiometric survey to the accuracy of Class AA, that the vertical control was completed to meet the Class C Standard defined from GNSS; furthermore, state plane coordinates for this survey were obtained by Global Navigation Satellite System (GNSS) survey, and the following information was used to perform the GNSS survey:

Horizontal Positional Accuracy: 0.01 Meters  
 Vertical Positional Accuracy: 0.01 Meters  
 Type of GNSS Data Processor: State post processed with Trimble TruPac  
 Date of Survey: 8/17/2016  
 Horizontal Datum/Elevation: NAD 83(2011)  
 Horizontal Control: NCDS OGRS "NC2011"  
 Location Point Number: 044 12.707 Elevation: 041250.30  
 Vertical Datum: NAVD 86, GDA12A  
 Combined Scale Factor: 0.99978690  
 UTM: U.T.S. Survey Point

Witness My Signatures, License Number, and Seal  
 this date: September 28, 2016

Martin A Barnes  
 N.C. Professional Land Surveyor  
 License # L-4274



### LINE LEGEND

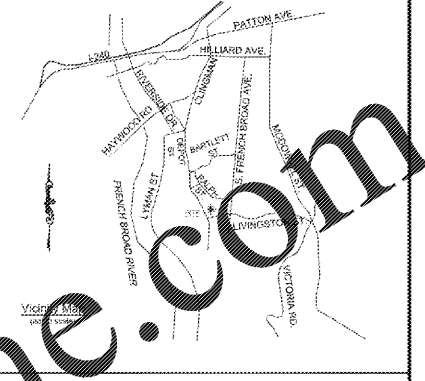
- Boundary line (not surveyed)
- Adjoined's deed line (not surveyed)
- Road right of way (not surveyed)
- 500th line
- Center of road
- Overhead utility wires (unconnected)
- Overhead electric line
- Sanitary sewer line
- Water line
- Storm sewer line
- Wooden fence
- Hand rail or metal railing
- Chain link fence
- Split rail fence
- Top of concrete line
- Metal concrete line
- Zone A6 (1% annual chance flood line)
- Zone X (0.2% annual chance flood line)
- Tie line

### SYMBOL LEGEND

- Stone hand (as described)
- Nail head (as described)
- Finished face elevation
- Water meter
- Water valve
- Fire hydrant
- Water vault
- One department connection
- URGI pipe
- Light pole
- Light pole
- Day wire
- Sanitary sewer intercept
- Sanitary sewer intercept
- Storm water manhole
- Storm water catch basin/drainage inlet
- Handicap parking space
- Traffic sign
- Sign "stop"
- Building columns
- Spot elevation
- tree

### ABBREVIATION LEGEND

- sgw: sewer grade
- bg: below grade
- COA: City of Asheville
- comp: compacted metal pipe
- comp: compacted plastic pipe
- RP: Rip rap/ripstone connection
- HP: Handicap Parking
- HW: Hump
- MH: Manhole
- MGO: Metropolitan Sewerage District
- RP: Rip rap
- D.S.C.: not to scale
- orn: ornamental
- RP/PS: Rip Rap / Plastic
- RP: Rip Rap
- PC: Polyethylene pipe
- RPB: meter band
- NSC: not to scale
- NSW: not to scale
- TR: temporary benchmark
- WV: well



- ### NOTES
- This is a topographic/pleiometric survey only; a boundary survey was not performed. Boundary lines shown are based on measurements found and shown from Plat Book 56 at Page 2.
  - This survey was prepared without benefit of aerial title and neither of title should be referred to an attorney-at-law.
  - This property may be subject to other rights-of-way, easements, reservations and restrictions, written and unwritten, recorded and unrecorded not shown.
  - The certifications shown hereon is not a certification of title, zoning or freedom from encumbrances.
  - Underground utility lines shown were located from above ground appearances and permit markings made by utility locators and should be considered approximate. Call NC OneCall services (800-452-4849) at least 2 business days before digging.
  - Major and minor contour intervals are five (5) feet and one (1) foot respectively.
  - Boundaries and coordinates shown are relative to NAD 83(2011) via GNSS survey utilizing state plane meters (see certification). Contours and spot elevations are relative to NAVD 86 per same control. All distances shown hereon are horizontal ground distances, U.S. survey feet, unless otherwise noted.
  - A portion of the subject property lies within special flood hazard areas, as shown on National Flood Insurance Program Flood Insurance Rate Maps 37099-1800L, effective date January 6, 2010.
  - According to the Brunswick County GIS website this property is mostly zoned RMD-CSP (Rural Area District - Open Space/Park/Farmland). See the City of Asheville Code of Ordinance Sec. 7-48-03 for setback lines and development standards listed for the Rural Area Form District.
  - Tree identification performed by survey crew; critical identification should be performed by a professional dendrologist.
  - Documents provided by John White with the City of Asheville show the proposed location of protected wells and piping for the site. No evidence of the wells or piping were visible at time of survey.

Topographic and Pleiometric Survey for  
**Clark Nexsen**  
 of property owned by  
**The City of Asheville**  
 REFERENCES  
 Plat Book 56 Page 2  
 Deed Book 1049 Page 214  
 Plat Book 56 Page 2  
 City of Asheville, Brunswick County, N.C.  
 Date: September 21, 2016; Drawn by: M. Barnes  
 Job #151517; Checked by: J. Hester

Martin A. Barnes, PLS L-4274

**Ed Holmes & Associates**  
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SCALE 1" = 60'

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