



OMB Control#: 1660-0115  
Expiration Date: 10/31/2013  
FEMA Form: 024-0-1

DEPARTMENT OF HOMELAND SECURITY  
FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ENVIRONMENTAL AND HISTORIC PRESERVATION SCREENING  
FORM**

**Complete all of Section A, Section B, all of each portion(s) of Section C corresponding to checked blocks in Section B, and all of section D that apply to the project.**

**A. PROJECT INFORMATION (complete all)**

DHS Grant Award Number: 2011-SS-00119

Grant Program: Homeland Security Grant Program

Fiscal Year: 2011

Project Title: FY 2011 Homeland Security Grant

Grantee (SAA): North Carolina Department of Public Safety / North Carolina Emergency Management

Sub grantee: North Carolina State Highway Patrol / Rowan County

Grantee POC: NC Department of Public Safety / NC Emergency Management - Patty Moyer

Subgrantee POC: NC State Highway Patrol - Captain R.V. West

Mailing Address: 4238 Mail Service Center, Raleigh, NC 27699-4238

Mailing Address: 3318 Garner Road, TSU Bldg #2, Raleigh NC 27610

E-mail: patty.moyer@ncdps.gov

E-mail: robert.west@ncdps.gov

Dollar value of grant (*if known*): \$750,000

**B. PROJECT TYPE**

Please check ALL the block(s) that best fit the scope of the project.

- 1. Training and Exercises. Go to page 2. Complete all of Section C.1.
- 2. Purchase of Equipment. Go to page 3. Complete all of Section C.2.
- 3. Physical security enhancements. Go to page 3. Complete all of Section C.3.
- 4. Renovations/upgrades/modifications to existing structures. Go to page 3. Complete all of Section C.4.
- 5. New construction/addition. Go to page 4. Complete all of Section C.5.
- 6. Communication towers, related equipment, and equipment shelters. Go to page 5. Complete all of Section C.6.
- 7. Other. If your project does not match any of these categories, go to page 6. Complete Section C.7

## Environmental and Historic Preservation Screening Form

*The following information is required to initiate EHP review of the project. Based on the project's scope of work, determine which project type applies below and complete that section. For multi-component projects or those that may fit into multiple project types, complete the section that best applies and provide a complete project description. The project description should contain a brief summary of what specific action is proposed, where it is proposed, and how it will be implemented. If the project involves multiple locations, information for each must be provided. Attach additional pages, if needed.*

Provide a complete project description:

Site Name:

High Rock Lake HP-1127  
North Carolina Dept. of Public Safety  
VIPER Program: Voice Interoperability Plan for Emergency Responders

Site Location:

Catfish Road (E911 address TBD)  
Richfield, NC 28137  
N 35° 35' 44.03" NAD83  
W 80° 14' 51.59" NAD83

Purpose:

Interoperable communications was identified in the General Assemblies Criminal Justice Information Network Report of 1995 as a critical need for public safety agencies when responding to emergencies. With the integration of VIPER, public safety officials of North Carolina will be able to communicate directly with other public safety officials without having to relay the message through a communication center. When put into place, VIPER, interoperable communication will benefit all public safety agencies when dealing with daily emergency calls or large scale disasters and the public due to improved emergency response. VIPER will make fire, rescue, and law enforcement agencies better able to serve the citizens of North Carolina.

Project Description:

The proposed emergency services communications tower compound will utilize approximately 187 linear feet of chain link fencing in order to fence the proposed emergency services tower compound. The proposed chain link fence is not anticipated to exceed 8-ft in height (including the proposed 3-strand barbed wire extension across the top) and encompass the proposed 31' x 31' x 46.5' x 10.5' x 37.5' x 30' (six-sided, ~2,290-ft<sup>2</sup>) tower compound within the proposed 80-ft x 80-ft tower compound lease area. The proposed chain link fence posts shall be installed to a depth of approximately 3'3" below land surface and approximately 24 posts shall be installed. Access into the proposed restricted fenced tower compound will utilize a 12-ft wide access gate that is to be located on the northeastern side of the compound.

The North Carolina Highway Patrol - Department of Public Safety proposes the construction of a 380-ft (395-ft with appurtenances) AGL self-support emergency services tower that will include an emergency diesel generator and equipment shelter and be located within a previously cleared portion of the property (formerly utilized as a logging deck) located atop a small unnamed hill, south of a portion of Catfish Road, north of a portion of Bringle Ferry Road, west of the High Rock Dam, approximately 8.5-miles north of the Town of Richfield, NC (Rowan County). The proposed tower site is located on the central portion of an approximately 435.64-acre property that is currently primarily occupied by undeveloped forested and silvicultural land uses. Access to the proposed emergency services facility will be provided by an existing earthen logging road which proceeds south from Catfish Road for approximately 2,134-ft until reaching the proposed fenced tower compound. The proposed tower compound location will be graded to a depth not to exceed 1-ft. below ground surface; geotextile fabric will then be placed upon the graded surface, before the addition of approximately 6" of #57 stone that will extend approximately 1-ft beyond the proposed fenced tower compound.

Ground disturbance will be required for the proposed self-support tower with an assumed 36-ft face width at the base of the tower. Tower stabilization and anchoring (at the proposed tower centerline) will be provided by either a pad and pier foundation or concrete caisson as indicated by the tower manufacturer. Generally, a pad & pier

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foundation will be utilized to secure the proposed tower structure; however, this information will be determined by the tower manufacturer after all geotechnical studies have been completed.

Ground disturbance will also be required for the proposed 11.5' x 19' North Carolina Department of Public Safety Equipment Shelter, associated concrete landing, and the placement of the proposed 40-kW Diesel Generator on a 5.5' x 9.5' concrete pad. The proposed equipment shelter foundation shall be installed at a depth of at least 24" below land surface or below frost depth. The proposed generator pad foundation will be installed at a depth of 12" below land surface or below frost depth. All associated equipment will be located within the proposed fenced compound.

Although not depicted on the Preliminary Zoning drawings dated 9-27-12, it is anticipated that a utility trench (power and telco) will be excavated to a depth of 30" below land surface and will extend south from Catfish Road, along the aforementioned existing logging road (within proposed 20-ft wide access easement), until reaching the proposed fenced tower compound.

Special Elements of the Project: N/A

Staging Areas and Easements:

No staging areas have been identified for this undertaking although suitable areas appear to be located on and in the immediate vicinity of the parent property.

**C. PROJECT DETAILS**

1.  **Training and Exercises** (*check each that applies*):  **Classroom-based**  **Field-based**  
*If the training is classroom and discussion-based only, and is not field-based, this form does not need to be completed and submitted.* All other training must provide the following:
- a. Describe the scope of the proposed training or exercise (purpose, frequency, materials, and equipment needed, number of participants, and type of activities required)  
*(Attach additional pages, if needed):*..... \_\_\_\_\_
  - b. Will the field-based training take place at an existing facility having established procedures for that particular proposed training and exercise, and that conforms with existing land usedesignations (refer to Information Bulletin #329 ([http://fema.dps.mo.gov/empg/IB%20329\\_20090902.pdf](http://fema.dps.mo.gov/empg/IB%20329_20090902.pdf)) for furtherinformation)? .....  Yes  No
    - If yes, please provide the name and location of the facility (physical training site addressor latitude-longitude): ..... \_\_\_\_\_
    - If no, provide the location (physical project address or latitude-longitude)**and** a full description of the area where training will occur:..... \_\_\_\_\_
  - c. Does the field-based training/exercise differ in any way (including, but not limited to frequency, amount of facilities/land used, materials or equipment used, number of participants, type of activities) from previously permitted training exercises and training practices?.....  Yes  No
    - If yes, explain any differences between the proposed activity and those that were approved in the past, and the reason(s) for the change in scope: ..... \_\_\_\_\_
  - d. Will any equipment or structures need to be installed to facilitate training?.....  Yes  No
    - If yes, explain how and where this is proposed to be done (*include site-specific color photographs*): ..... \_\_\_\_\_

2.  **Purchase of equipment** (If the entire project is limited to purchase of mobile/portable equipment and there is no installation needed, you do not need to complete and submit this form.)

- a. Specify what equipment, and the quantity: According to the Preliminary Zoning drawings dated 9-27-12, the following equipment will be necessary for the proposed High Rock Lake tower facility: one 380' self-support communication tower, one 11.5' x 19' telecommunications equipment shelter, one 40kW Generac® diesel powered emergency generator, two Decibel DB-809 Omni antennas, one Tx/Rx Corp Tower Top Amplifier, one Andrew PL8-65F microwave dish, and all associated antenna mounting hardware and coaxial cable, chain link fencing and associated hardware, barbed wire, and #57 stone. The aforementioned information is intended to be a summary of the anticipated expenditures associated with the proposed emergency services tower facility. Exact amounts of all construction material including the #57 stone, fencing, barbed wire, concrete, geo-textile fabric, and all associated construction hardware, will be determined by the contractor prior to construction.
- b. Provide AEL number(s) (if known): .....N/A
- c. Will this equipment be installed? .....  Yes  No
  - If Yes, go to page 6. Complete Section D.

3.  **Physical security enhancements and or installations** (for example: installation of back-up generators, fencing, cameras, building/room access control, bollards, motion detection systems, x-ray machines, and lighting).

- a. Describe what, how, and where improvement(s)/installation(s) will occur in/on the tower facility/building/structure: Approximately 187-linear feet of chain link fence is anticipated to be utilized to enclose the proposed six sided irregular shaped tower compound with dimensions measuring 31' x 31' x 46.5' x 10.5' x 37.5' x 30'. The proposed chain link fence posts shall be installed to a depth not exceeding 3'-3" below land surface and will not exceed 8-ft in height above ground level. Additionally, one emergency generator will be located within the northeastern portion of the proposed fenced tower compound and will be anchored to a 5.5' x 9.5' reinforced concrete pad. The generator pad foundation will extend to a depth not to exceed 2-ft below land surface. See attached Preliminary Zoning drawings dated 9-27-12.
- b. Provide project location (physical project address and latitude-longitude):  
Catfish Road (E911 address TBD), Richfield, NC 28137 ~ N 35° 35' 44.03" ~W 80° 14' 51.59"
- c. Will the new equipment/improvements use the existing power supply systems? .....  Yes  No  
If no, describe new power source and installation (such as utility trenching): Although not depicted on the Preliminary Zoning drawings dated 9-27-12, it is anticipated that a utility trench for power will be excavated at a depth of 30" below land surface and will extend south from Catfish Road, along the aforementioned existing logging road (within proposed 20-ft wide access easement), until reaching the proposed fenced tower compound.
- d. If generator installation, please state the capacity (kW): Typical generators used at communication tower sites by the North Carolina Department of Public Safety range from 40-kW to 80-kW Generac® Industrial Diesel Generators. It is anticipated that the High Rock Lake project will utilize a 40kW Generac diesel powered generator. Diesel fuel will be stored in the double wall base tank associated with the proposed emergency generator.
  - If a separate fuel tank is also included, describe if it is to be installed above or below ground, and its capacity (gallons): .....N/A
- e. Go to Page 6. Provide additional project details in Section D.

4.  **Renovations/upgrades/modifications to existing structures.**

- a. Provide detailed description of modifications: .....

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- b. Provide project location (physical project address and latitude-longitude): .....
- c. Will any equipment need to be installed?.....  Yes  No
  - If yes, please note in Section 2, (purchase of equipment).
- f. Go to Page 6. Provide additional project details in Section D.

5.  **New construction/addition (for example: emergency operations centers,docks, piers, security guardhouse).**

- a. Provide detailed scope of work (site acreage, new facility square footage/number of stories, utilities, parking, stormwater features, etc): .....
- b. Provide project location (physical project address or latitude-longitude): .....
- c. Will any equipment need to be installed?.....  Yes  No
  - If yes, please note in Section 2(purchase of equipment).
- d. Will the new building/facility/renovations use existing utilities? .....  Yes  No
  - If no, describe installation of new utilities in (a) above (including trenching): .....
- e. Go to Page 6. Provide additional project details in Section D.

6.  **Communication towers, related equipment, and equipment shelters**

- a. Provide a detailed description of the project: The North Carolina Highway Patrol - Department of Public Safety proposes the construction of a 380-ft (395-ft with appurtenances) AGL self-support emergency services tower that will include an emergency diesel generator and equipment shelter and be located within a previously cleared area formerly utilized as a logging deck. The proposed tower facility will be located on an approximately 435.64-acre parcel of real-estate identified by the County of Rowan as Parcel # 506 001, located south of Catfish Road, north of Bringle Ferry Road, north of the Town of Richfield, NC (Rowan County). Access to the proposed emergency services facility will be provided by an existing earthen logging road which proceeds south from Catfish Road for approximately 2,134-ft until reaching the proposed fenced tower compound. The proposed tower compound location will be graded to a depth not to exceed 1-ft., geotextile fabric will then be placed upon the graded surface, before the addition of approximately 6" of #57 stone that will extend approximately 1-ft beyond the proposed fenced tower compound.

The proposed 380-ft (395-ft with appurtenances) self-support tower, associated equipment shelter, and proposed 40kW Diesel Generator will be located within an irregular shaped fenced tower compound with dimensions measuring 31'x 31' x 46.5' x 10.5' x 37.5'x 30' (2,290 sq. ft). Tower stabilization and anchoring at the proposed tower centerline will be provided by either a pad and pier foundation or concrete caisson as indicated by the tower manufacturer. Generally a pad & pier foundation will be utilized to secure the proposed tower structure; however, this information will be determined by the tower manufacturer after all geotechnical studies have been completed. The emergency generator will be anchored to a 5.5' x 9.5' reinforced concrete pad. The emergency generator pad will extend to a depth not to exceed 2' below land surface. The equipment shelter will be anchored to an 11.5' x 19' reinforced concrete pad that will extend to a depth of 2' below land surface.

The proposed 380-ft (395-ft with appurtenances) self-support emergency services tower is anticipated to support two (2) Decibel DB-809 Omni antennas, one (1) TX/RX Corp Tower Top Amplifier, and one (1) Andrew PL8-65F microwave dish. The Decibel DB810-K Omni antennas measure 3-inches in diameter and are ~15-ft tall. One Omni antenna will be located at an approximate elevation of 380-ft (extending to 395-ft) AGL, the additional Omni antenna will be located at an approximate elevation of 350-ft (extending to 365-ft). Additionally, a TX/RX Corporation 800 MHz tower top amplifier will be located at an

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approximate elevation of 380-ft AGL and measures 3'x1'x 1' An Andrew PL8-65F microwave dish will be located at an approximate elevation of 300-ft AGL and measures 8-ft in diameter.

- b. Provide project location (physical project address or latitude-longitude):  
Catfish Road (E911 address TBD), Richfield, NC 28137 & ~ N 35° 35' 44.03" ~W 80° 14' 51.59"
- c. Provide the elevation above mean sea level of the project location:768.3-ft AMSL
- d. For projects involving antenna(s) installations on existing towers:
- Provide the height of the existing tower: N/A
  - The height of the tower following the installation of the new antenna(s):N/A
- e. For new tower projects, state the total height (in feet) of the communication tower or Structure including any antennae to be mounted:380-ft (395-ft with appurtenances)
- If the proposed tower height is greater than 199 feet above ground level, state why this is needed to meet the requirements of the project: In order to achieve the greatest amount of coverage area, a tower of this height was necessary. Additionally, a tower of this height is able to provide a significantly greater amount of coverage within this portion of Rowan County, thus eliminating the need for numerous additional towers within the immediate vicinity.
  - Will the tower be free-standing or require guy wires? .....  Free standing  Guy wires
  - If guy wires are required, state number of bands and how many:N/A
  - State why a guyed tower is needed to meet the requirements of this project:N/A
  - What kind of lighting will be installed, if any (for example: white strobe, red strobe, or steady burning?):The proposed tower is anticipated to be equipped with a dual mode medium intensity lighting system which utilizes medium intensity white strobe lights during the daylight hours and a red strobe light at night.
- f. A general description of terrain (For example: mountainous, rolling hills, flat to undulating):small rolling hills; sloping to the north in the vicinity of the proposed tower and access road; located atop a small unnamed hill, south of High Rock Lake and west of the High Rock Lake Dam
- g. Describe the frequency and seasonality of fog/low cloud cover: According to information obtained from City-Data.com, ~35-50% of the days are cloudy in Richfield, NC, with the highest frequency of cloudy days occurring from November through April
- h. Provide a list of habitat types and land use on and adjacent to the tower site (within ½ mile), by acreage and percentage of total (e.g., woodland conifer forest, grassland, agriculture) waterbody, marsh):  
Forested/silvicultural (mixed pine/hardwood) – 87% (~435-acres)  
Residential – 13% (~65-acres)
- i. Is there evidence of bird roosts or rookeries present within ½-mile of the proposed site?.....  Yes  No
- a. If yes, describe: .....N/A
- Distance to nearest wetland area (for example: forested swamp, marsh, riparian, marine) and coastline if applicable: According to the National Wetland Inventory (NWI) map for the proposed High Rock Lake tower site, no wetlands were identified on the parent property. However, a small manmade pond is located ~0.30-miles southwest of the proposed tower site. An additional small manmade pond is located ~0.37-miles west-southwest of the proposed tower site. The proposed tower is located ~0.42-miles south of a portion of High Rock Lake and ~0.75-miles west of a portion of the Yadkin River (downstream of the High Rock Dam which forms High Rock Lake).

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- i. Distance to nearest telecommunication tower: According to the FCC Antenna Structure Registration (ASR) search, the nearest communications tower is located ~5.5 miles north of the proposed emergency services tower and is a 258-ft AGL self support tower owned by Crown Communication, LLC
  - j. Have measures been incorporated for minimizing impacts to migratory birds? .....  Yes  No
    - If yes, describe: The proposed tower is under 400-ft AGL and will be of a self-support design thus eliminating impacts caused by guyed wires. Further, the proposed tower is not located within 0.5-miles of any known bird rookeries. According to correspondence with the USFWS – Asheville Field Office the nearest recorded rookery is located approximately 1.3-miles east-southeast of the proposed site. In addition the proposed tower will be located within a previously disturbed area (logging deck), and will utilize an existing earthen access drive, minimizing potential habitat loss and fragmentation.
  - k. Has an FCC registration been obtained for this tower? .....  Yes  No
    - If yes, provide Registration #: ..... 1286321
  - l. Has the FCC E106 process been completed? .....  Yes  No
  - m. Has the FCC Tower Construction Notification System (TCNS) process been completed?  Yes  No
    - If yes, attach all relevant environmental documentation submitted as part of the registration process including use of the Tower Construction Notification System (TCNS), if applicable. FRN# ..... 0001913888
  - n. Will any equipment or structures need to be installed? .....  Yes  No
    - If yes, explain what type how and where this is proposed to be done (*attach additional pages, if pages needed*): Ground disturbance will be required for the construction of the proposed 380-ft (395-ft with appurtenances) self-support communications tower, associated equipment shelter, and proposed 40kW diesel generator that will be located within an irregular shaped fenced tower compound with dimensions measuring 31' x 31' x 46.5' x 10.5' x 37.5' x 30' (2,290 sq. ft ). Tower stabilization and anchoring will be provided by either a pad and pier foundation or concrete caisson as indicated by the tower manufacturer. This information will be determined by the tower manufacturer after all geotechnical studies have been completed. The emergency generator will be anchored to a 5.5' x 9.5' reinforced concrete pad. The emergency generator pad will extend to a depth not to exceed 2' below land surface. The equipment shelter will be anchored to an 11.5' x 19' reinforced concrete pad that will extend to a depth of 2' below land surface. See attached Preliminary Zoning drawings dated 9-27-12.
  - o. Will equipment be co-located on existing FCC licensed tower or other structure? .....  Yes  No
    - If yes, identify the type of structure: ..... N/A
  - p. Go to Page 6. Provide additional project details in Section D.
7.  **Other.** For any project that does not fit a category listed above, please provide a thorough summary of the proposed action and location. Include as much detail as necessary to ensure someone not personally familiar with the project is able to conduct an EHP review.
- a. Project Summary:

Although not depicted on the Preliminary Zoning drawings dated 9-27-12, it is anticipated that a utility trench will be excavated to a depth of 30" below land surface and will extend south from Catfish Road, along the aforementioned existing logging road (within proposed 20-ft wide access easement), until reaching the proposed fenced tower compound.

Access to the proposed emergency services facility will be provided by an existing earthen logging road which proceeds south from Catfish Road for approximately 2,134-ft until reaching the proposed fenced tower compound. The proposed access route is not anticipated to require improvements.
  - b. Provide additional project details in Section D.

**D. OTHER PROJECT RELATED INFORMATION (complete all that apply)**

The following website may provide some additional EHP related guidance and resources to help complete this section <http://www.fema.gov/plan/ehp/ehp-applicant-help.shtm#5>.

1. If work is proposed on/in an existing building(s) or structure(s) provide the year built: .....N/A
  - If the building or structure involved is over 45 years old and significant renovation, rehabilitation, or modification has occurred, please provide the year(s) and briefly describe the nature of remodeling: .....N/A
2. If the project affects the exterior of the building, are there any known buildings and/or structures that are 45 years or older in the immediate project area? .....  Yes  No
  - If yes, please provide the location, ground-level color photos of these, and identify their location(s) on the aerial map.
3. Is the building or structure on which work is proposed a historic property or in a historic district, or are there any adjacent historic properties? .....  Yes  No
  - Information about historic properties may be found on the National Register of Historic Places at <http://nrhp.focus.nps.gov/natreghome.do?searchtype=natreghome> or the respective State Historic Preservation Office may have information on their website.
4. Will ground disturbance be required to complete the project? .....  Yes  No
  - If yes, provide total extent (depth, length and width) of each unique ground disturbing activity. Light poles, bollards and fencing are each unique ground disturbing activities (For example, six light poles, 24" dia. x 4' deep; trenching 12" x 500' x 18" deep): Ground disturbance will be required for the construction of the proposed 380-ft (395-ft with appurtenances) self-support emergency services tower, associated equipment shelter, and proposed 40Kw Diesel Generator that will be located within an irregular shaped fenced tower compound with dimensions measuring 31' x 31' x 46.5' x 10.5' x 37.5' x 30' (~2,290-ft<sup>2</sup>). Approximately 187-linear feet of chain link fence will be utilized to secure the proposed six sided irregular shaped tower compound. The approximately 24 proposed chain link fence posts shall be installed to a depth not exceeding 3'3" below land surface and will not exceed 8-ft. in height above ground level. Tower stabilization and anchoring will be provided by either a pad and pier foundation or concrete caisson as indicated by the tower manufacturer. This information will be determined by the tower manufacturer after all geotechnical studies have been completed. The emergency generator will be anchored to a 5.5' x 9.5' reinforced concrete pad foundation. The emergency generator pad foundation will extend to a depth not to exceed 2' below land surface. The equipment shelter will be anchored to an 11.5' x 19' reinforced concrete pad that will extend to a depth of 2' below land surface. See attached Preliminary Zoning Drawings dated 9-27-12.  
  
Although not depicted on the Preliminary Zoning drawings dated 9-27-12, it is anticipated that a utility trench (power and telco) will be excavated to a depth of 30" below land surface and will extend south from Catfish Road, along the aforementioned existing logging road (within proposed 20-ft wide access easement), until reaching the proposed fenced tower compound.
5. Has the ground been previously disturbed? .....  Yes  No
  - If yes, please describe the current disturbed condition of the area (for example, parking lot, roadway right-of-way, commercial development):  
Significant previous ground disturbance has occurred at the proposed tower site. The area surrounding the proposed tower compound has been previously cleared and grubbed for use as a logging deck. The proposed access easement is occupied by an existing earthen logging road.
6. Are there technical drawings or site plans available, if yes please attach. ....  Yes  No
7. Attach color site photographs:
  - Ground-level color site photos that provide context and show where site work/physical

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installations are proposed (label photos),

- Ground-level color photographs of each side of the building involved.
- Aerial color photograph with project limits outlined and with the location of any proposed installations identified.
- Aerial color photograph(s) showing all ground disturbing activities (if applicable).

8. Is the project part of an approved plan such as a Master Plan or an Implementation Plan or any larger action/project? .....  Yes  No

- If yes, provide the plan/project name and brief description: .....

North Carolina Dept. of Public Safety - VIPER Program

Interoperable communications was identified in the General Assemblies Criminal Justice Information Network Report of 1995 as a critical need for public safety agencies when responding to emergencies. With the integration of VIPER, public safety officials of North Carolina will be able to communicate directly with other public safety officials without having to relay the message through a communication center. When put into place, VIPER, interoperable communication will benefit all public safety agencies when dealing with daily emergency calls or large scale disasters. VIPER will make fire, rescue, and law enforcement agencies better able to serve the citizens of North Carolina.

9. Is there any *previously* completed environmental documentation for this project (for example: Environmental Impact Statement, Environmental Assessment, wetland delineation, archaeological study)? .....  Yes  No

- If yes, please attach documentation. If a NEPA document, what was the decision? (*Check one, and please attach*):

Finding of No Significant Impact (FONSI) or

Record of Decision (ROD)

FCC NEPA Checklist Document Determined No Environmental Assessment required, therefore Categorically Excluded from the completion of an Environmental Assessment.

Name of preparing agency: Tower Engineering Professionals, Inc.

Date approved: April 18, 2013

10. Is there any *previously* completed agency coordination for this project (for example correspondence with the U.S. Fish and Wildlife Service, State Historic Preservation Office (SHPO), Tribal Historic Preservation Office (THPO), or permitting agencies)? .....  Yes  No

- If yes, please attach documentation unless included in NEPA documentation identified above.

11. Provide FEMA Flood Insurance Rate Map (FIRM), with project limits outlined. FIRM maps can be created from: <http://www.fema.gov/hazard/map/firm.shtm>

12. Provide U.S. Fish and Wildlife Service, National Wetlands Inventory (NWI) Map created from: <http://www.fws.gov/wetlands/Data/Mapper.html>



## **SITE PLAN**

Aerial Site Plan



Google earth



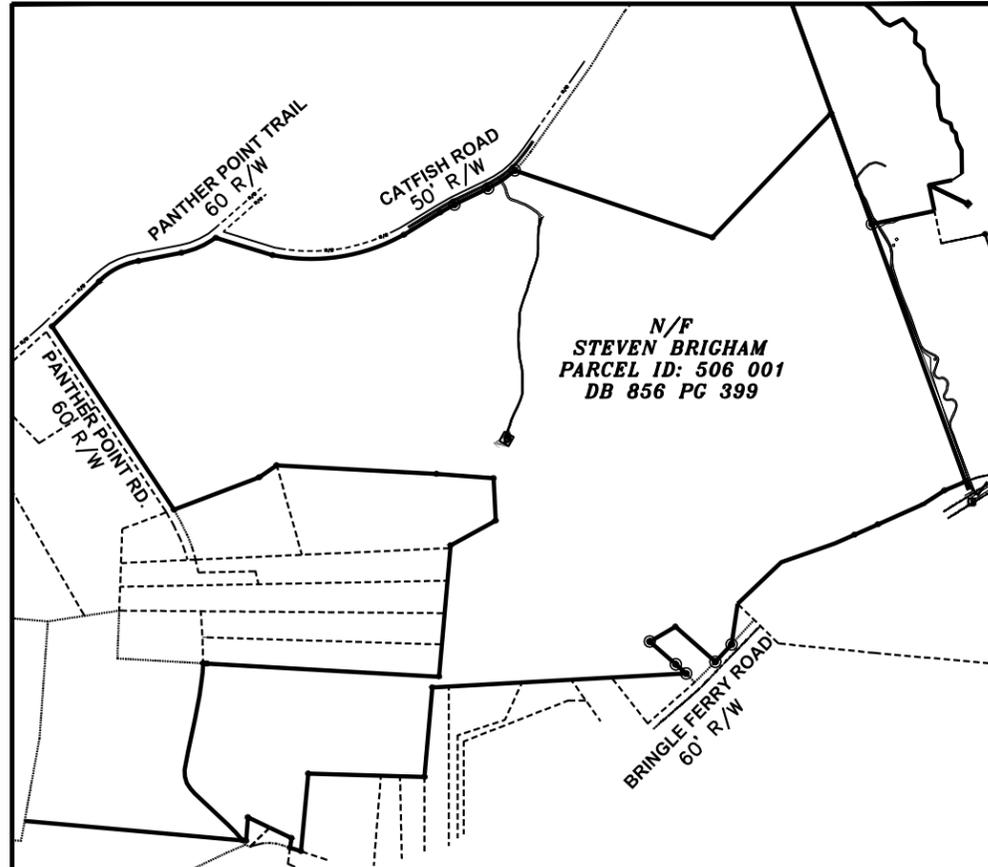
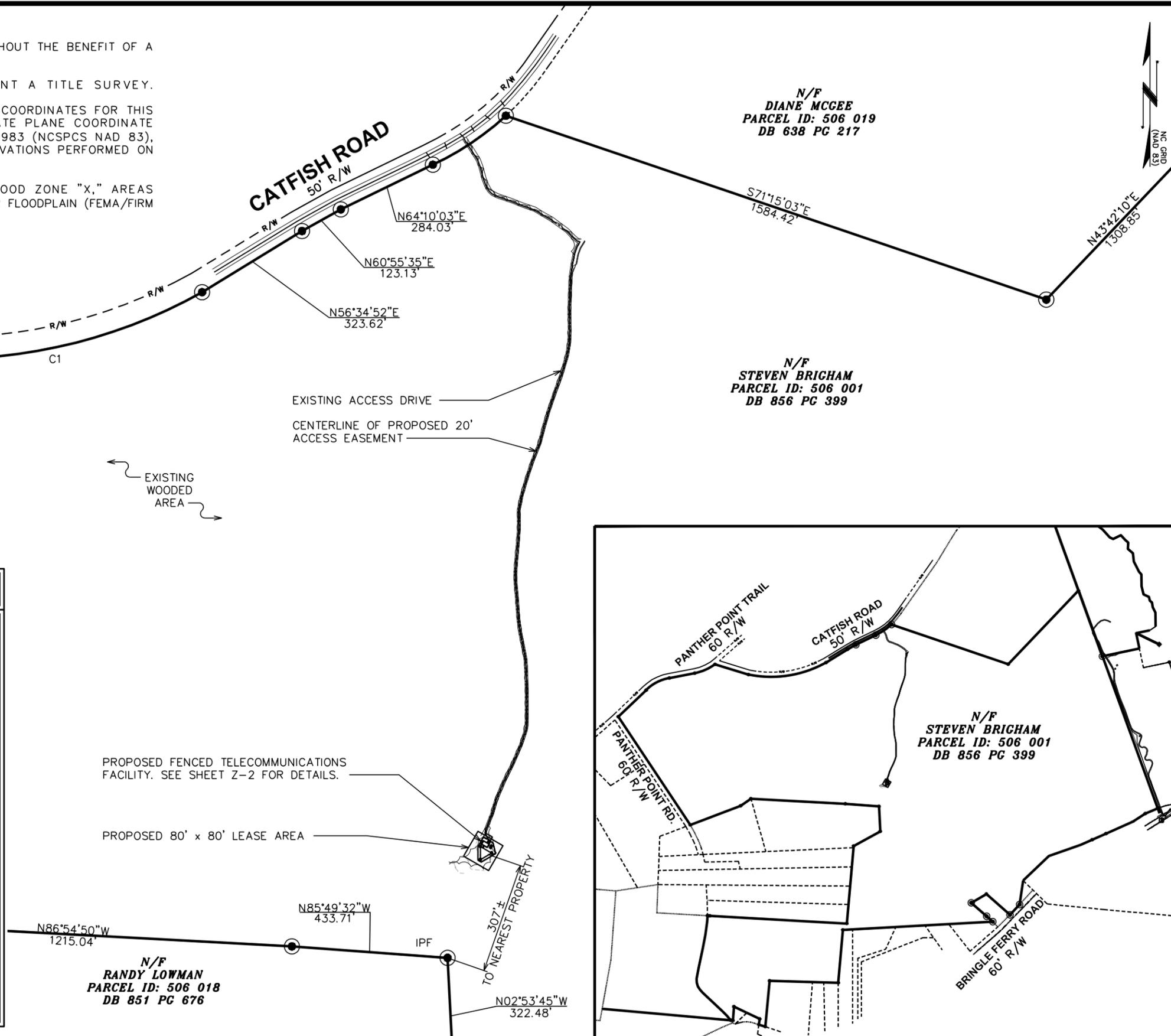


**NOTES:**

1. THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A REPORT OF TITLE.
2. THIS PLAN DOES NOT REPRESENT A TITLE SURVEY.
3. THE BASIS OF THE MERIDIANS AND COORDINATES FOR THIS PLAT IS THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NCSPCS NAD 83), BASED ON DIFFERENTIAL GPS OBSERVATIONS PERFORMED ON MAY 13, 2011.
4. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X," AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN (FEMA/FIRM MAP NUMBER 3710662600K).
6. SUBJECT PIN: 506 001
7. PROPERTY OWNER: STEVEN BRIGHAM

PROPERTY CURVE DATA		
CURVE	RADIUS	DISTANCE
C1	1439.61'	1029.33'

LEGEND	
	EXIST. PROPERTY LINE
	ADJ. PROPERTY LINE
	PROPERTY CORNER
	IRON ROD FOUND
	CONCRETE MONUMENT
	EXIST. UTILITY POLE
	EXIST. TELCO PEDESTAL
	EXIST. POWER PEDESTAL
	EXIST. CONTOUR LINE
	EDGE OF PAVEMENT
	OVERHEAD WIRE
	CHAIN LINK FENCE
	EXISTING TREE LINE

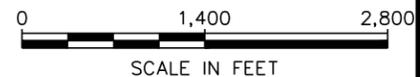


**SITE PLAN**

SCALE: 1" = 300'

**PARCEL OVERVIEW**

SCALE: 1" = 1400'



PLANS PREPARED FOR:

3318 GARNER ROAD, BLDG. 2  
RALEIGH, NC 27607  
OFFICE: (919) 662-4440

PROJECT INFORMATION:

**HIGH ROCK LAKE**  
**SITE # HP-1127**  
**SCO ID # 10-08449-01H**

CATFISH ROAD  
RICHFIELD, NC 28137  
(ROWAN COUNTY)

PLANS PREPARED BY:

**TOWER ENGINEERING PROFESSIONALS**  
3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:

REV	DATE	ISSUED FOR:
1	09-27-12	PRELIMINARY ZONING
0	09-26-12	PRELIMINARY ZONING

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:

**SITE PLAN**

SHEET NUMBER: **Z-1**

REVISION: **1**

TEP #: 110517

**ANSI/TIA-222-G DESIGN NOTE:**

THE PROPOSED TOWER SHALL BE DESIGNED PER THE FOLLOWING PARAMETERS:

STRUCTURE CLASSIFICATION: III  
 EXPOSURE CATEGORY: C  
 TOPOGRAPHIC CATEGORY: 1

DESIGN WIND SPEED: 90mph(3sec GUST), 76mph(FATEST MILE)

CENTERLINE OF PROPOSED 20' ACCESS EASEMENT

EXISTING ACCESS DRIVE

PROPOSED TURNAROUND

PROPOSED 80'x80' LEASE AREA

EXISTING WOODED AREA

PROPOSED 12' ACCESS GATE

PROPOSED 5'-0" x 7'-0" CONCRETE LANDING SLOPED 2% MAX AWAY FROM DOOR. GRADE UP TO LANDING

PROPOSED METER AND PORTABLE GENERATOR CONNECTION

PROPOSED 11'-6" x 19'-0" EQUIPMENT SHELTER

PROPOSED DIESEL GENERATOR ON A 5'-6" x 9'-6" CONCRETE PAD

PROPOSED 24" WIDE ICE BRIDGE

PROPOSED GRAVEL INSIDE COMPOUND AREA (6" OF #57 STONE)

PROPOSED 380' SELF-SUPPORT TOWER

PROPOSED FENCED TOWER COMPOUND

36' FACEWIDTH (ASSUMED)

EXISTING WOODED AREA



PLANS PREPARED FOR:



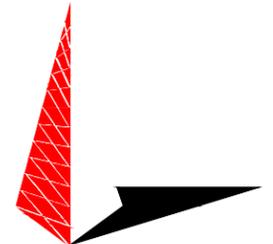
3318 GARNER ROAD, BLDG. 2  
 RALEIGH, NC 27607  
 OFFICE: (919) 662-4440

PROJECT INFORMATION:

**HIGH ROCK LAKE  
 SITE # HP-1127  
 SCO ID # 10-08449-01H**

CATFISH ROAD  
 RICHFIELD, NC 28137  
 (ROWAN COUNTY)

PLANS PREPARED BY:

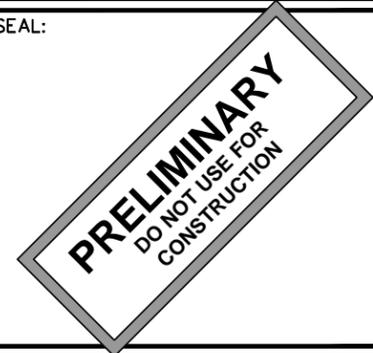


**TOWER ENGINEERING PROFESSIONALS**

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 RALEIGH, NC 27603-5263  
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 www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



REV	DATE	ISSUED FOR:
1	09-27-12	PRELIMINARY ZONING
0	09-26-12	PRELIMINARY ZONING

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:  
**COMPOUND  
 DETAIL**

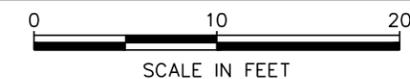
SHEET NUMBER:  
**Z-2**

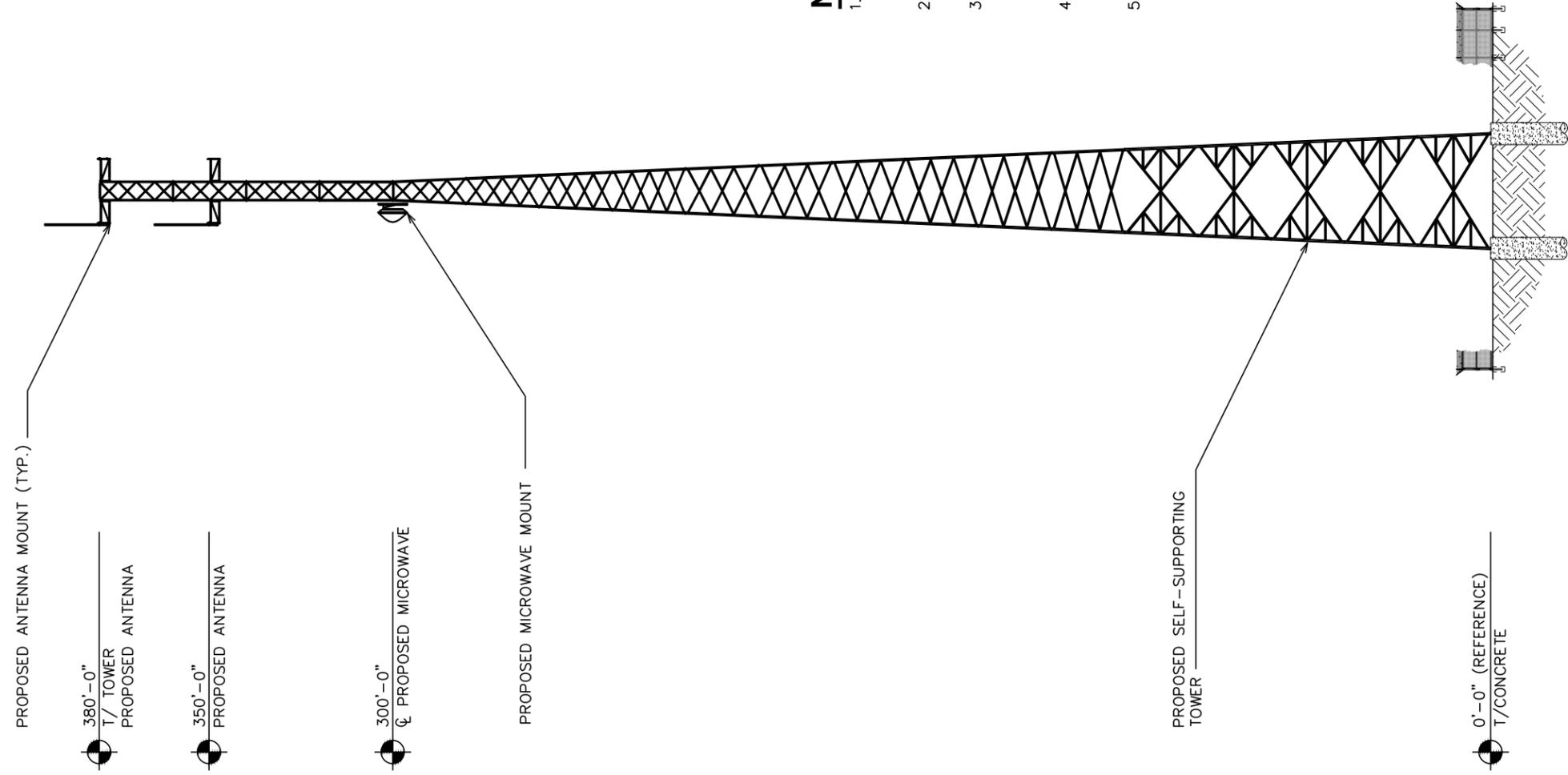
REVISION:  
**1**

TEP #: 110517

**COMPOUND DETAIL**

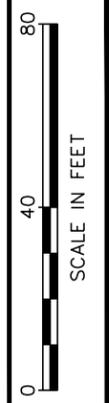
SCALE: 1" = 10'





**NOTES:**

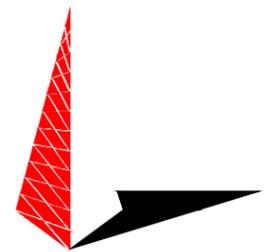
1. PROPOSED COAX TO BE MOUNTED TO WAVEGUIDE LADDER. VERIFY WITH TOWER MANUFACTURER THAT THE LADDER WILL BE PROVIDED WITH THE TOWER.
2. LIGHTNING ROD, TOWER LIGHTS, AND CLIMBING LADDER TO BE PROVIDED BY TOWER MANUFACTURER.
3. TOWER SHALL BE ILLUMINATED ONLY AS REQUIRED BY THE FEDERAL COMMUNICATIONS COMMISSION (FCC), THE FEDERAL AVIATION ADMINISTRATION (FAA), OR OTHER STATE OR FEDERAL AGENCY OF COMPETENT JURISDICTION.
4. TOWER SHALL BE CONSTRUCTED OF GALVANIZED STEEL OR PAINTED PER APPLICABLE STANDARDS OF THE FAA OR OTHER APPLICABLE FEDERAL OR STATE AGENCY.
5. A SINGLE SIGN, 2 FEET SQUARE, IN A VISIBLE LOCATION SHALL BE REQUIRED WITH NAME AND EMERGENCY TELEPHONE NUMBER OF THE TOWER OWNER AND ALL COMPANIES OPERATING ON THE TOWER. NO ADVERTISING SHALL BE ATTACHED TO THE TOWER.



**TOWER ELEVATION**  
SCALE: 1" = 40'

PLANS PREPARED FOR:  
  
 3318 GARNER ROAD, BLDG. 2  
 RALEIGH, NC 27607  
 OFFICE: (919) 662-4440

PROJECT INFORMATION:  
**HIGH ROCK LAKE**  
**SITE # HP-1127**  
**SCO ID # 10-08449-01H**  
 CATFISH ROAD  
 RICHFIELD, NC 28137  
 (ROWAN COUNTY)

PLANS PREPARED BY:  
  
**TOWER ENGINEERING PROFESSIONALS**  
 3703 JUNCTION BOULEVARD  
 RALEIGH, NC 27603-5263  
 OFFICE: (919) 661-6351  
 www.tepgroup.net  
 N.C. LICENSE # C-1794

SEAL:  


0	12-20-12	TOWER ELEVATION
REV	DATE	ISSUED FOR:

DRAWN BY: TRG    CHECKED BY: JBG

SHEET TITLE:  
**TOWER ELEVATION**

SHEET NUMBER: <b>C-1</b>	REVISION: <b>0</b>
TEP #: 110517	



**NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES  
(NCDENR)**

**EMERGENCY GENERATORS EXEMPTION MEMORANDUM DATED  
JANUARY 24, 2007**



North Carolina Department of Environment and Natural Resources  
Division of Air Quality

Margaret Stone

RECEIVED  
N.C. DEPT. OF ENR

FEB 05 2007

Winston-Salem  
William G. Ross, Jr., Secretary  
B. Keith Overcash, P.E., Director

Michael F. Easley, Governor

January 24, 2007

Memorandum

To: Regional Supervisors  
Section Chiefs

From: Keith Overcash, P.E. *AKO*

Subject: Emergency Generators Exemption

This memorandum supercedes the memorandum of October 16, 2006 concerning the exemption of certain emergency generators from permitting requirements. This revision allows exempt emergency generators to be used as "peak shavers" as long as facility-wide actual emissions (of each criteria pollutant) remain under the 5-ton/yr-exemption level and also allows generators subject to the newly promulgated NSPS Subpart III "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines" to be exempt from permitting requirements under the facility-wide 5-ton/yr-exemption.

The number of communications towers having emergency generators has increased in recent years and is causing a burden on the permitting and inspections process without yielding significant benefit to the environment.

Currently, emergency generators that do not meet the exemption found at 2Q.0102(c)(2)(B)(iv) (as clarified by Appendix 27-7 to base potential hours of operation on 500 hr/yr) are required to have a permit. The permit requires the facility to submit actual data (emissions inventory with the permit renewal request). In nearly all cases, the actual data is showing that actual emissions are less than 1 ton/yr for each regulated pollutant. We are then exempting the facility pursuant to 2Q .0102(c)(2)(E)(ii) for actual emissions less than 5 ton/yr and rescinding the permit.

Therefore, due to the infrequent nature of the operation of these generators and the relatively insignificant amount of air emissions expected, it will be DAQ's policy to allow these facilities to be evaluated for permit exemption based on expected/projected actual emissions data submitted with the permit application. This would enable us to exempt nearly all facilities from the beginning and would greatly reduce the regulatory burden. This policy only applies to facilities such as communications towers where the emergency generator(s) is the only source of emissions and where the generator(s) does not have the potential (at 500 hrs/yr) to emit any regulated pollutant greater than Title V permitting thresholds.

An emergency generator may be used as a peak shaving generator provided the facility-wide actual emissions of each criteria pollutant remain under the respective 5-ton/yr-exemption level.

The generator(s) shall comply with rules 2D .0516 (sulfur dioxide emissions from combustion sources), 2D .0521 (control of visible emissions), and .0524 (new source performance standard) even if an air permit is not required.

cc: Thom Allen  
Edythe McKinney

**Kyle Crawford**

**From:** Davey, Brendan [brendan.davey@ncdenr.gov]  
**Sent:** Tuesday, February 02, 2010 1:48 PM  
**To:** Kyle Crawford  
**Cc:** DENR.DAQ.Permit\_Coordinators; Muller, Paul  
**Subject:** RE: Emergency Generator Permit Exemption  
**Attachments:** SD 60 Generator Spec Sheet Generac.pdf; SD 40 Generator Spec Sheet Generac.pdf  
Mr. Crawford,

In the attached email you requested NC Air Permitting exemption for a 40 or 60 kW diesel fuel-fired emergency generator to be installed at several VIPER Emergency Services tower sites throughout North Carolina within the next year. You also indicated the generator would be the only expected source of air emissions at each project site.

15A NCAC 2D .0102(c)(2)(B)(v) specifically exempts the following from NC Air Permitting:

*(v) emergency use generators and other internal combustion engines not regulated by rules adopted under Title II of the Federal Clean Air Act, except self-propelled vehicles, that have a rated capacity of no more than:*

- (I) 680 kilowatts (electric) or 1000 horsepower for natural gas-fired engines;*
- (II) 1800 kilowatts (electric) or 2510 horsepower for liquefied petroleum gas fired engines;*
- (III) 590 kilowatts (electric) or 900 horsepower for diesel-fired or kerosene fired engines; or*
- (IV) 21 kilowatts (electric) or 31 horsepower for gasoline-fired engines;*

It appears your proposed project meets this exemption and an air quality permit is not necessary at this time. I have copied the other NCDAQ Regional Offices to make them aware of these projects. Please note there are three local air quality programs that may have different requirements in Buncombe, Forsyth, and Mecklenburg Counties. The following webpage provides information about the local air programs: <http://daq.state.nc.us/about/local/>

If you have any further questions, please call me at the number below or call the applicable regional office.

- Brendan Davey

Brendan Davey - [Brendan.Davey@ncdenr.gov](mailto:Brendan.Davey@ncdenr.gov)  
North Carolina Dept. of Environment and Natural Resources  
Asheville Regional Office  
Division of Air Quality  
2090 U.S. 70 Highway  
Swannanoa, NC 28778  
Tel: 828-296-4500  
Fax: 828-299-7043  
[www.ncair.org](http://www.ncair.org)

Notice: E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and therefore may be disclosed to third parties.

2/2/2010

**From:** Kyle Crawford [mailto:kcrawford@tepgroup.net]  
**Sent:** Tuesday, February 02, 2010 11:31 AM  
**To:** Davey, Brendan  
**Subject:** Emergency Generator Permit Exemption

Mr. Davey,

Thank you for speaking with me this morning regarding exemptions for emergency generators. Our original conversation was in regards to the proposed emergency services generator to be placed atop Bearallow Mountain, in Henderson County, NC. However, TEP anticipates working on at least 10-20 VIPER Emergency Services tower sites throughout North Carolina within the next year. In an attempt to expedite the work for all parties involved perhaps a blanket exemption response from your office may benefit all parties involved.

All emergency services generators will be located atop a concrete pad foundation and used for emergency power for the necessary radio equipment to allow the VIPER Emergency Services system to operate when the primary power source fails.

All generators placed within VIPER facilities are anticipated to be either 40 kW or 60 kW diesel emergency services generators with a fuel capacity not to exceed 465-gallons (which is the maximum tank size specified in the Generac SD-40 and SD-60 Industrial Diesel Generator Specifications, attached herein).

The placement of emergency services generators on the proposed VIPER Emergency Services tower facilities will be the only anticipated source of air emissions from the project site.

I look forward to hearing from you regarding this matter. If you have any additional questions or need further information to be able to make an informed decision regarding this matter, please do not hesitate to contact me at your earliest convenience. Thank you again for your time.

Thank you,  
Kyle Crawford

Kyle W. Crawford  
Environmental Scientist II  
Tower Engineering Professionals, Inc.  
3703 Junction Boulevard  
Raleigh, NC, 27603-5263  
919-661-6351 office  
919-661-6350 fax  
919-880-3446 mobile



**FEDERAL COMMUNICATIONS COMMISSION (FCC)**  
**NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)**  
**CHECKLIST**



**NEPA COMPLIANCE CHECKLIST  
PROPOSED 380-FOOT  
SELF-SUPPORT LATTICE**

**SITE NAME: HIGH ROCK LAKE  
SITE NUMBER: HP-1127**

**CATFISH ROAD  
RICHFIELD, NC  
(ROWAN COUNTY)**

**LATITUDE: N 35° 35' 44.034" ±  
LONGITUDE: W 80° 14' 51.596" ±**

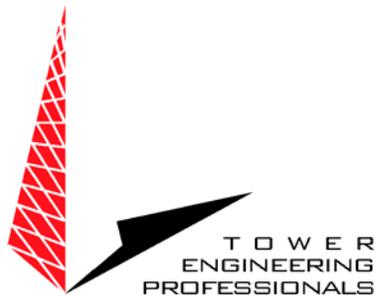
**DATE INSPECTED: AUGUST 9, 2012  
DATE NEPA ISSUED: APRIL 18, 2013**



**COMPLETED BY:**

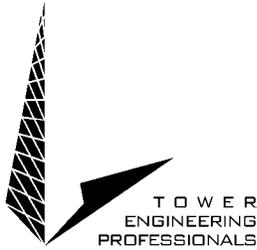
**George T. Swearingen, III**

**Of**



**Project Site Specific  
NEPA Compliance Checklist  
High Rock Lake  
NC Highway Patrol Site# HP-1127**

April 18, 2013



Ms. Tanya Luter  
VIPER Project Manager  
North Carolina State Highway Patrol  
3318 Garner Road  
Raleigh, NC 27610

Re: NEPA Checklist  
**NC Highway Patrol Site # HP-1127**  
**High Rock Lake Site**  
**Catfish Road**  
**Richfield, Rowan County, NC**

Dear Ms. Luter:

Tower Engineering Professionals, Inc. (TEP) conducted a FCC Compliance NEPA Checklist (NEPA) for the proposed lease area associated with the proposed **380-ft AGL Self-Support Lattice Communications Tower** for the site designated as **High Rock Lake (NC Highway Patrol Site # HP-1127)**, and is pleased to submit the findings to the NC Highway Patrol. The existing site is located on a parcel of real estate in **Rowan County, NC**. (The parent property and the adjacent properties were occupied by a mix of low density residential and undeveloped forested land uses at the time of the site inspection.)

The NEPA Checklist research conducted by TEP indicates that the site is **not**: located in an officially designated wilderness area; located in an officially designated wildlife preserve; located in a floodplain; located in a residential zoned area and required to be equipped with high intensity white lights; and will **not**: affect threatened or endangered species or their designated critical habitats; affect districts, sites, buildings, structures or objects listed or eligible for listing in the National Register of Historic Places; affect Indian religious sites; or involve significant changes to surface features.

TEP with the assistance of R.S. Webb and Associates conducted the Section 106 of the NHPA portion of the NEPA checklist and the Native American consultation. TEP filed the proposed **High Rock Lake** site with the FCC Tower Construction Notification System (TCNS) on **2/12/13** and was assigned TCNS Identification Number **92484**. TEP has received correspondence from, or referred to the FCC, all of the applicable tribes with known ancestral and/or aboriginal rights to **Rowan County, NC**.

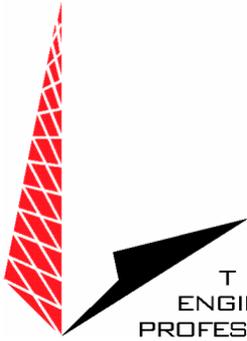
The results of the NEPA Checklist conducted by TEP conclude that no further investigation (i.e. NEPA Environmental Assessment) is warranted or recommended for the **High Rock Lake Site**.

Sincerely,

A handwritten signature in black ink, appearing to read "George T. Swearingen, III", with a stylized flourish at the end.

Tower Engineering Professionals, Inc.  
George T. Swearingen, III  
Environmental Manager

## **Section I – NEPA Checklist**



**FCC NEPA COMPLIANCE AUDIT CHECKLIST**

**HIGH ROCK LAKE SITE  
NC HIGHWAY PATROL SITE# HP-1127  
CATFISH ROAD  
RICHFIELD, NC  
ROWAN COUNTY**

- 1. Is the proposed facility located in an officially designated wilderness area? No
- 2. Is the proposed facility located in an officially designated wildlife preserve? No
- 3. Will the proposed facility likely affect threatened or endangered species or designated critical habitats; or likely jeopardize the continued existence of any proposed endangered or threatened species; or likely result in the destruction or adverse modification of proposed critical habitats (as determined by the Endangered Species Act or 1973)? No
- 4. Will the proposed facility affect districts, sites, buildings, structures or objects significant in American history, architecture, archeology, engineering or culture, that are listed (or eligible for listing) in the National Register of Historic Places? No
- 5. Will the proposed facility affect Indian religious sites? No
- 6. Is the proposed facility located in a floodplain? No
- 7. Will construction of the proposed facility involve significant change in surface features (e.g., wetland fill, deforestation or water diversion)? No
- 8. Is the proposed facility located in a residential neighborhood and is required to be equipped with high intensity white lights (as defined by local zoning law)? No

If any of the above questions result in an answer of "yes", then construction may not start on any of these sites prior to receipt of a finding of no significant impact by FCC.

**RF Exposure Screening Under NEPA**

- 9A. Will the proposed NON-ROOFTOP facility equal or exceed total power (of all channels) of 2000 watts ERP (3280 Watts EIRP) and have antennas located less than 10 meters above ground level? No
- 9B. Will the proposed ROOFTOP facility equal or exceed total power (of all channels) of 2000 watts ERP (3280 Watts EIRP)? N/A

IF "yes" is the answer to either of the two RF exposure questions, an evaluation must be performed to determine if the North Carolina Highway Patrol exceeds the FCC's exposure limits.

<b>TOWER ENGINEERING PROFESSIONALS, INC.</b>	Date: April 18, 2013
Print Name: George T. Swearingen, III	Signature:

The following provides additional information concerning each item on the checklist.

1. Designated Wilderness Areas – Based on review of the National Wilderness Institute Map of Wilderness Areas, Wild & Scenic Rivers, National Natural Landmarks and UN Biosphere Reserves, dated 1995, and the Wilderness.net - U.S. National Wilderness Preservation System Map, the proposed tower site is not located within an officially designated wilderness area.
2. Designated Wildlife Preserves – Based on review of the US Fish and Wildlife Service: National Wildlife Refuge System Map, dated September 30, 2004, the proposed tower site is not located within an officially designated wildlife preserve.
- 3A. Listed Threatened or Endangered Species or Designated Critical Habitats - Based on review of the element occurrences of federally listed, threatened and endangered species and their critical habitats within a 2-mile radius of the proposed tower site, as obtained from the North Carolina Department of Environment and Natural Resources: Natural Heritage Program Online Virtual Workroom, an on-site investigation, and correspondence with the USFWS-Asheville Field Office, no listed threatened or endangered species occur at the proposed tower site. In addition, no critical habitats were identified on the proposed tower site. Therefore, it is not likely that the construction of the proposed tower will affect threatened or endangered species or their critical habitats.
- 3B. Proposed Threatened or Endangered Species or Proposed Critical Habitats - Based on review of the element occurrences of federally proposed threatened and endangered species and their critical habitats within a 2-mile radius of the proposed tower site, as obtained from the North Carolina Department of Environment and Natural Resources: Natural Heritage Program Online Virtual Workroom, an on-site investigation, and correspondence with the USFWS-Asheville Field Office, none of the proposed threatened or endangered species occur on the proposed tower site. The proposed tower site is not located within an area qualifying as proposed critical habitats. Further, the construction of the proposed tower is not likely to adversely impact proposed threatened or endangered species or their critical habitats.
4. Historical Places – Based on the results of our coordination with Historic Rockwell Museum, Rowan Museum, Inc., Rowan County Historic Landmarks Commission, Rowan County Historic Properties Commission, Salisbury Historic Preservation Commission, Spencer Historic District Commission, Rowan County Department of Planning & Development, and the North Carolina Department of Cultural Resources – State Historic Preservation Office (NCDCCR-SHPO), the construction of the proposed tower will “Not Affect” properties listed on or eligible for listing on the National Register of Historic Places within the 0.75-mile Area of Potential Effect (APE).
5. Indian Religious Sites – Based upon a review of available information obtained from the North Carolina Department of Cultural Resources, the Native American Consultative Database, the Bureau of Indian Affairs-Indian Reservations in the Continental United States, dated 5/96, and the responses to the FCC-Tower Construction Notification ID #92484, filed February 12, 2013, no known Indian religious sites will be affected by the proposed tower site.
6. Floodplains – Based on review of the floodplain map of the area (FIRM Community-Panel No. 3710662600K, dated June 16, 2009) the proposed tower site is not located within a special flood hazard area as determined by FEMA.
7. Surface Features – Based on our on-site investigation and a review of the National Wetland Inventory map of the area, the proposed tower is not anticipated to result in a significant change or modification to surface features such as fill in jurisdictional wetlands, deforestation, or water diversion.
8. Zoning/High Intensity White Lights – The proposed tower is 380-feet AGL, the use of high intensity white lights should not be necessary. The tower is anticipated to be equipped with a dual mode medium intensity lighting system.
- 9A. Radio Frequency Emissions – Based on the specified elevation of the proposed antennas (>10 meters) and because the site will be located within a restricted area, no further study concerning radio frequency emissions is required.

## **Section II - FCC 620**



# Section 106 - Filing Confirmation

FCC > [Wireless](#) > Section 106 Filings

Logged In: 0020869228 ([Log Out](#))

[Help](#) | [Technical Support](#)

**FCC Form 620**  
**New Tower Submission**

Current Status: **Submitted**  
Date of Submission: **02/25/2013**

[View/Print Submission Packet](#)

[? Common Questions](#) << [Return To My Filings](#)

## Filing Confirmation

**Your filing has been Submitted.**  
**File Number: 0005661033**

Notification of this filing will be sent to the following Lead SHPO/THPO:

NC Historic Preservation Office (Deputy SHPO)  
Attn: David Brook  
4610 Mail Service Center  
Raleigh, NC 27699-4610

Some SHPO/THPOs may have state specific archiving requirements. You should check with the above agency to determine if they need all or part of this filing submission in paper format.

[View all other parties notified of this filing](#)

A printable **submission packet** is generated for your manual records. Please make a note of this file number and print out this page for your records. A confirmation of this submitted filing will be emailed to the email address specified in your filing.

This system is intended to facilitate filing of Section 106 of the National Historic Preservation Act and use of this system in itself does not satisfy parties' obligations with respect to historic preservation review under the Commission's rules. Failure to receive automated notifications generated by this system does not relieve parties of legal responsibilities and/or justify failure to meet deadlines.

This notification is NOT an actual submission for Antenna Structure Registration. Tower Structures that require antenna structure registration based on FCC Rules 47 C.F.R. Part 17 must complete FCC Form 854 after FAA clearance is obtained.

Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554

Phone: 1-877-480-3201  
TTY: 1-717-338-2824  
[Submit Help Request](#)

**General Information**

1) (Select only one) ( <b>NE</b> ) <b>NE</b> – New <b>UA</b> – Update of Application <b>WD</b> – Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number:

**Applicant Information**

3) FCC Registration Number (FRN): <b>0001913888</b>
4) Name: <b>Tower Engineering Professionals, Inc. for the North Carolina Department of Public Safety - North Carolina Highway Patrol</b>

**Contact Name**

5) First Name: <b>Tanya</b>	6) MI:	7) Last Name: <b>Luter</b>	8) Suffix:
9) Title: <b>Viper Project Manager</b>			

**Contact Information**

10) P.O. Box:	<b>And /Or</b>	11) Street Address: <b>3318 Garner Road, Building Two</b>	
12) City: <b>Raleigh</b>		13) State: <b>NC</b>	14) Zip Code: <b>27610</b>
15) Telephone Number: <b>(919)662-4440</b>		16) Fax Number:	
17) E-mail Address: <b>Tanya.Luter@ncdps.gov</b>			

**Consultant Information**

18) FCC Registration Number (FRN): <b>0020869228</b>
19) Name: <b>Tower Engineering Professionals, Inc. in cooperation with R.S. Webb and Associates</b>

**Principal Investigator**

20) First Name: <b>R.S.</b>	21) MI:	22) Last Name: <b>Webb</b>	23) Suffix:
24) Title: <b>President, Senior Principal Archeologist</b>			

**Principal Investigator Contact Information**

25) P.O. Box: <b>1319</b>	<b>And /Or</b>	26) Street Address: <b>2800 Holly Springs Parkway</b>	
27) City: <b>Holly Springs</b>		28) State: <b>GA</b>	29) Zip Code: <b>30142</b>
30) Telephone Number: <b>(770)345-0706</b>		31) Fax Number: <b>(770)345-0707</b>	
32) E-mail Address: <b>rswebb@windstream.net</b>			

**Professional Qualification**

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
34) Areas of Professional Qualification: ( <input checked="" type="checkbox"/> ) Archaeologist ( <input type="checkbox"/> ) Architectural Historian ( <input type="checkbox"/> ) Historian ( <input type="checkbox"/> ) Architect ( <input type="checkbox"/> ) Other (Specify) _____	

**Additional Staff**

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
--	---

If "YES," complete the following:

36) First Name: <b>Neil</b>	37) MI: <b>J</b>	38) Last Name: <b>Bowen</b>	39) Suffix:
40) Title: <b>Historian</b>			
41) Areas of Professional Qualification: ( <input type="checkbox"/> ) Archaeologist ( <input type="checkbox"/> ) Architectural Historian ( <input checked="" type="checkbox"/> ) Historian ( <input type="checkbox"/> ) Architect ( <input type="checkbox"/> ) Other (Specify) _____			

## Site Information

### Tower Construction Notification System

1) TCNS Notification Number: **92484**

### Site Information

2) Site Name: **High Rock Lake (HP 1127)**

3) Site Address: **Catfish Road**

4) City: **Richfield**

5) State: **NC**

6) Zip Code: **28137**

7) County/Borough/Parish: **ROWAN**

8) Nearest Crossroads: **Catfish Road/Panther Point Trail**

9) NAD 83 Latitude (DD-MM-SS.S): **35-35-44.0**

(  ) N or (    ) S

10) NAD 83 Longitude (DD-MM-SS.S): **080-14-51.6**

(    ) E or (  ) W

### Tower Information

11) Tower height above ground level (include top-mounted attachments such as lightning rods): 120.4 (    ) Feet (  ) Meters

12) Tower Type (Select One):

(    ) Guyed lattice tower

(  ) Self-supporting lattice

(    ) Monopole

(    ) Other (Describe):

### Project Status

13) Current Project Status (Select One):

(  ) Construction has not yet commenced

(    ) Construction has commenced, but is not completed

Construction commenced on: \_\_\_\_\_

(    ) Construction has been completed

Construction commenced on: \_\_\_\_\_

Construction completed on: \_\_\_\_\_

**Determination of Effect**

14) Direct Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>92484</u>	Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Catawba Indian Nation Cultural Preservation Project</b>

#### Contact Name

5) First Name: <b>Dr. Wenonah</b>	6) MI: <b>G</b>	7) Last Name: <b>Haire</b>	8) Suffix:
9) Title: <b>THPO and Executive Director</b>			

#### Dates & Response

10) Date Contacted <u>02/14/2013</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Cherokee Nation</b>

#### Contact Name

5) First Name: <b>Richard</b>	6) MI: <b>L</b>	7) Last Name: <b>Allen</b>	8) Suffix:
9) Title: <b>Policy Analyst</b>			

#### Dates & Response

10) Date Contacted <u>02/13/2013</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	( <input checked="" type="checkbox"/> ) <u>Yes</u> ( <input type="checkbox"/> ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>92484</u>	Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

#### Tribes/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Eastern Shawnee Tribe of Oklahoma</b>

#### Contact Name

5) First Name: <b>Jo Ann</b>	6) MI:	7) Last Name: <b>Beckham</b>	8) Suffix:
9) Title: <b>Administrative Assistant</b>			

#### Dates & Response

10) Date Contacted <u>02/13/2013</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply ( <input type="checkbox"/> ) Replied/No Interest ( <input type="checkbox"/> ) Replied/Have Interest ( <input type="checkbox"/> ) Replied/Other	

#### Tribes/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Shawnee Tribe</b>

#### Contact Name

5) First Name: <b>Kim</b>	6) MI:	7) Last Name: <b>Jumper</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>02/14/2013</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply ( <input type="checkbox"/> ) Replied/No Interest ( <input type="checkbox"/> ) Replied/Have Interest ( <input type="checkbox"/> ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	<input checked="" type="checkbox"/> <u>Y</u> es (    ) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>92484</u>	Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

#### Tribes/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Tuscarora Nation</b>

#### Contact Name

5) First Name: <b>Leo</b>	6) MI: <b>R</b>	7) Last Name: <b>Henry</b>	8) Suffix:
9) Title: <b>Chief</b>			

#### Dates & Response

10) Date Contacted <u>02/14/2013</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	

## Other Tribes/NHOs Contacted

### Tribe/NHO Information

1) FCC Registration Number (FRN):
2) Name:

### Contact Name

3) First Name:	4) MI:	5) Last Name:	6) Suffix:
7) Title:			

### Contact Information

8) P.O. Box:	<b>And /Or</b>	9) Street Address:		
10) City:		11) State:	12) Zip Code:	
13) Telephone Number:		14) Fax Number:		
15) E-mail Address:				
16) Preferred means of communication:  <input type="checkbox"/> E-mail  <input type="checkbox"/> Letter  <input type="checkbox"/> Both				

### Dates & Response

17) Date Contacted _____	18) Date Replied _____
<input type="checkbox"/> No Reply  <input type="checkbox"/> Replied/No Interest  <input type="checkbox"/> Replied/Have Interest  <input type="checkbox"/> Replied/Other	

## Historic Properties

### Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o

### Historic Property

4) Property Name: <b>Wyatts Grove Baptist Church</b>
5) SHPO Site Number: <b>RW0772</b>

### Property Address

6) Street Address: <b>Bringle Ferry Road</b>		
7) City: <b>Pooletown</b>	8) State: <b>NC</b>	9) Zip Code: <b>28137</b>
10) County/Borough/Parish: <b>ROWAN</b>		

### Status & Eligibility

11) Is this property listed on the National Register?  Source: _____	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
12) Is this property eligible for listing on the National Register?  Source: _____	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
13) Is this property a National Historic Landmark?	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o

14) Direct Effects (Select One): <input checked="" type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE
15) Visual Effects (Select One): <input checked="" type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE

## Historic Properties

### Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o

### Historic Property

4) Property Name: <b>J. C. Morgan House</b>
5) SHPO Site Number: <b>RW0721</b>

### Property Address

6) Street Address: <b>Bringle Ferry Road</b>		
7) City: <b>Pooletown</b>	8) State: <b>NC</b>	9) Zip Code: <b>28137</b>
10) County/Borough/Parish: <b>ROWAN</b>		

### Status & Eligibility

11) Is this property listed on the National Register?  Source: _____	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
12) Is this property eligible for listing on the National Register?  Source: _____	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
13) Is this property a National Historic Landmark?	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o

14) Direct Effects (Select One): <input checked="" type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE
15) Visual Effects (Select One): <input checked="" type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE

## Local Government Involvement

### Local Government Agency

1) FCC Registration Number (FRN):
2) Name: <b>Rowan County Department of Planning and Development</b>

### Contact Name

3) First Name: <b>Shane</b>	4) MI:	5) Last Name: <b>Stewart</b>	6) Suffix:
7) Title: <b>Senior Planner</b>			

### Contact Information

8) P.O. Box:	And /Or	9) Street Address: <b>402 N. Main Street, Room 204</b>	
10) City: <b>Salisbury</b>		11) State: <b>NC</b>	12) Zip Code: <b>28144</b>
13) Telephone Number: <b>(704)216-8588</b>		14) Fax Number:	
15) E-mail Address: <b>Shane.stewart@rowancountync.gov</b>			
16) Preferred means of communication: <input type="checkbox"/> E-mail <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Both			

### Dates & Response

17) Date Contacted <b>02/12/2013</b>	18) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

### Additional Information

19) Information on local government's role or interest (optional): <b>No reply has been received to date.</b>
--

### Other Consulting Parties

#### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) Yes ( <input type="checkbox"/> ) No
--	---

#### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Rowan County Historic Properties Commission</b>

#### Contact Name

4) First Name: <b>Andy</b>	5) MI:	6) Last Name: <b>Goodall</b>	7) Suffix:
8) Title: <b>Planner I</b>			

#### Contact Information

9) P.O. Box:	And /Or	10) Street Address: <b>402 N. Main Street, Room 204</b>		
11) City: <b>Salisbury</b>		12) State: <b>NC</b>	13) Zip Code: <b>28144</b>	
14) Telephone Number: <b>(704)216-8588</b>		15) Fax Number:		
16) E-mail Address: <b>Shane.stewart@rowancountync.gov</b>				
17) Preferred means of communication: ( <input type="checkbox"/> ) E-mail ( <input checked="" type="checkbox"/> ) Letter ( <input type="checkbox"/> ) Both				

#### Dates & Response

18) Date Contacted <b>02/12/2013</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Additional Information

20) Information on other consulting parties' role or interest (optional): <b>No reply has been received to date.</b>
---

### Other Consulting Parties

#### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) Yes ( <input type="checkbox"/> ) No
--	---

#### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Rowan County Historic Landmarks Commission</b>

#### Contact Name

4) First Name: <b>Merry</b>	5) MI: <b>L</b>	6) Last Name: <b>Lauder</b>	7) Suffix:
8) Title: <b>Chairwoman</b>			

#### Contact Information

9) P.O. Box:	And /Or	10) Street Address: <b>402 N. Main Street</b>
11) City: <b>Salisbury</b>	12) State: <b>NC</b>	13) Zip Code: <b>28144</b>
14) Telephone Number: <b>(704)216-8588</b>	15) Fax Number:	
16) E-mail Address: <b>unknown@unknown.com</b>		
17) Preferred means of communication: ( <input type="checkbox"/> ) E-mail ( <input checked="" type="checkbox"/> ) Letter ( <input type="checkbox"/> ) Both		

#### Dates & Response

18) Date Contacted <b>02/12/2013</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Additional Information

20) Information on other consulting parties' role or interest (optional): <b>No reply has been received to date.</b>
---

### Other Consulting Parties

#### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) Yes ( <input type="checkbox"/> ) No
--	---

#### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Rowan Museum, Inc.</b>

#### Contact Name

4) First Name: <b>Kaye</b>	5) MI:	6) Last Name: <b>Brown Hirst</b>	7) Suffix:
8) Title: <b>Executive Director</b>			

#### Contact Information

9) P.O. Box:	And /Or	10) Street Address: <b>202 North Main St.</b>
11) City: <b>Salisbury</b>	12) State: <b>NC</b>	13) Zip Code: <b>28144</b>
14) Telephone Number: <b>(704)633-5946</b>	15) Fax Number: <b>(704)633-9858</b>	
16) E-mail Address: <b>unknown@unknown.com</b>		
17) Preferred means of communication: ( <input type="checkbox"/> ) E-mail ( <input checked="" type="checkbox"/> ) Letter ( <input type="checkbox"/> ) Both		

#### Dates & Response

18) Date Contacted <b>02/12/2013</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
( <input type="checkbox"/> ) Replied/No Interest	
( <input type="checkbox"/> ) Replied/Have Interest	
( <input type="checkbox"/> ) Replied/Other	

#### Additional Information

20) Information on other consulting parties' role or interest (optional): <b>No reply has been received to date.</b>
---

## Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

### SHPO/THPO

Name: **NC Historic Preservation Office (Deputy SHPO)**

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

SHPO/THPO Name: \_\_\_\_\_

SHPO/THPO Name: \_\_\_\_\_

SHPO/THPO Name: \_\_\_\_\_

### Certification

I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete.

#### Party Authorized to Sign

First Name: **Andrew**

MI: **B**

Last Name: **Blake**

Suffix:

Signature: **Andrew B Blake**

Date: **02/22/2013**

**FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.**

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).**

**Attachments :**

Type	Description	Date Entered
Resumes/Vitae	<a href="#">R.S. Webb Rsume</a>	02/12/2013
Resumes/Vitae	<a href="#">Neil Bowen Resume</a>	02/12/2013
Maps	<a href="#">Aerial Photograph</a>	02/12/2013
Area of Potential Effects	<a href="#">Topographic Map</a>	02/12/2013
Historic Properties for Visual Effects	<a href="#">NC SHPO Map</a>	02/12/2013
Historic Properties for Visual Effects	<a href="#">NC SHPO Results</a>	02/12/2013
Historic Properties for Direct Effects	<a href="#">Cultural Resources Report</a>	02/12/2013
Photographs	<a href="#">Site Photographs</a>	02/12/2013
Additional Site Information	<a href="#">Preliminary Zoning Drawings</a>	02/12/2013
Tribal/NHO Involvement	<a href="#">FCC ASR Confirmation</a>	02/12/2013
Tribal/NHO Involvement	<a href="#">FCC initial email</a>	02/12/2013
Tribal/NHO Involvement	<a href="#">Sample Tribe Letter packet</a>	02/13/2013
Local Government Involvement	<a href="#">Sample Local Government Letter</a>	02/13/2013
Additional Site Information	<a href="#">Sample Additional Consulting Parties Letter</a>	02/13/2013
Tribal/NHO Involvement	<a href="#">FCC Tribe List</a>	02/15/2013
Public Involvement	<a href="#">Public Notice Affidavit</a>	02/22/2013

# **R.S. Webb & Associates**

*Cultural Resource Management Consultants  
2800 Holly Springs Parkway • P.O. Drawer 1319  
Holly Springs, Georgia 30142  
Phone: 770-345-0706 • Fax: 770-345-0707*

October 26, 2012

Mr. George Swearingen  
Tower Engineering Professionals, Inc.  
3703 Junction Boulevard  
Raleigh, North Carolina 27603-5263

**Subject:                   Proposed Telecommunications Tower Project  
Direct and Visual Effects Consultation  
High Rock Lake Tower, Rowan County, North Carolina  
R.S. Webb & Associates No. 12-206-050.1**

Dear Mr. Swearingen:

## **BACKGROUND**

R.S. Webb & Associates (RSWA), a professional cultural resources management firm, conducted an archeological and historic structures survey of the above-referenced telecommunications tower project area. This survey was conducted at the request of and based upon location information provided by Tower Engineering Professionals, Inc. (TEP). The proposed High Rock Lake telecommunications tower is a 380-foot (ft) self-supported structure. The proposed tower site is located south of Catfish Road, east of its intersection with Panther Point Road, near Richfield, Rowan County, North Carolina, (USGS High Rock and Gold Hill, North Carolina Quadrangles). The methods, results, and conclusions of this assessment are presented below, along with a project location map (Figure 1), an archeological survey coverage map (Figure 2), a photograph location map (Figure 3), and photographs (1 through 12).

## **METHODS**

*Direct Effects:* Archeological background research for the proposed High Rock Lake tower project was conducted by TEP; it included a search of the archeological site records at the Office of State Archeology in Raleigh, North Carolina. The Area of Potential Effects (APE) for direct effects is limited to the areas that will be physically disturbed by this undertaking. The area is based on the information provided to RSWA by TEP and is shown in a site sketch map (Figure 2). The APE for direct effects consists of the proposed 80-ft by 80-ft tower lease area. The landscape surrounding the proposed tower pad and that along the access corridor, was scanned for historic ornamental vegetation, surface features, and other indications of historic occupation and use. Shovel test soils were screened through 0.25 inch (in) hardware cloth to enhance the recovery of artifacts. Photos 1-8 show views across the proposed tower site and existing access road, and they illustrate the nature of the proposed tower site.

*Indirect (Visual) Effects:* Historic resources background research for the proposed High Rock Lake tower project was conducted by TEP; it included a search of the National Register of Historic Places and Rowan County structure survey records at the North Carolina State Historic Preservation Office (NCSHPO) in Raleigh, North Carolina. The project APE for visual effects is based on the standards set forth in the March 7, 2005 *Nationwide Programmatic Agreement*, and is set at three-fourths of a mile for this undertaking.

## **DIRECT EFFECTS RESULTS**

A review of the records of the Office of State Archeology indicated that there are four recorded archeological sites located within one mile of the proposed High Rock Lake tower site. The nearest of these sites are

located approximately 0.6 mile north and east of the proposed tower location, at or near the maximum pool level of High Rock Lake. On Monday October 15, 2012, Mr. Neil J. Bowen, Historian with RSWA, intensively surveyed the proposed tower project area.

The proposed tower lease area is surrounded by new growth pine trees, and is set within a graded and eroded area astride an existing trail road (Photos 1-4). Due to the disturbed nature of the site, one screened shovel test was excavated at the proposed tower center, and three surface inspections transects were performed across the proposed site (Figure 2). Soil profiles at the tower site revealed approximately 3 in of brown silty sand over reddish-brown clay loam (Photo 5). No artifacts or features associated with prehistoric or historic occupation/use of the proposed tower lease area were observed in the shovel test excavated or upon the surface within the project APE for direct effects.

### VISUAL EFFECTS RESULTS

A review of historic structure records at NCSHPO indicated that two historic structures are located along Bringle Ferry Road within the tower APE for visual effects (Figures 1 and 3). The Wyatts Grove Church (Photo 9) is located approximately 0.65 mile southwest and the J.C. Morgan House (Photo 11) is located approximately 0.41 mile southeast of the proposed tower site. Photographs 10 and 12 show respective views from these locations to the proposed tower site. Dense, mature vegetation and terrain elevation prevent direct views from these cultural resource locations.

### CONCLUSIONS

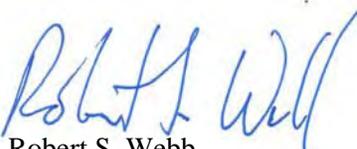
No archeological sites, artifacts, or features were uncovered during the investigation of the project APE for direct effects. There are two cultural resources located within the project APE for indirect (visual) effects, but they have no direct view to the proposed tower site. It is the opinion of RSWA that the proposed High Rock Lake tower project will have no adverse effect on cultural resources eligible for inclusion in the NRHP.

### CLOSING COMMENTS

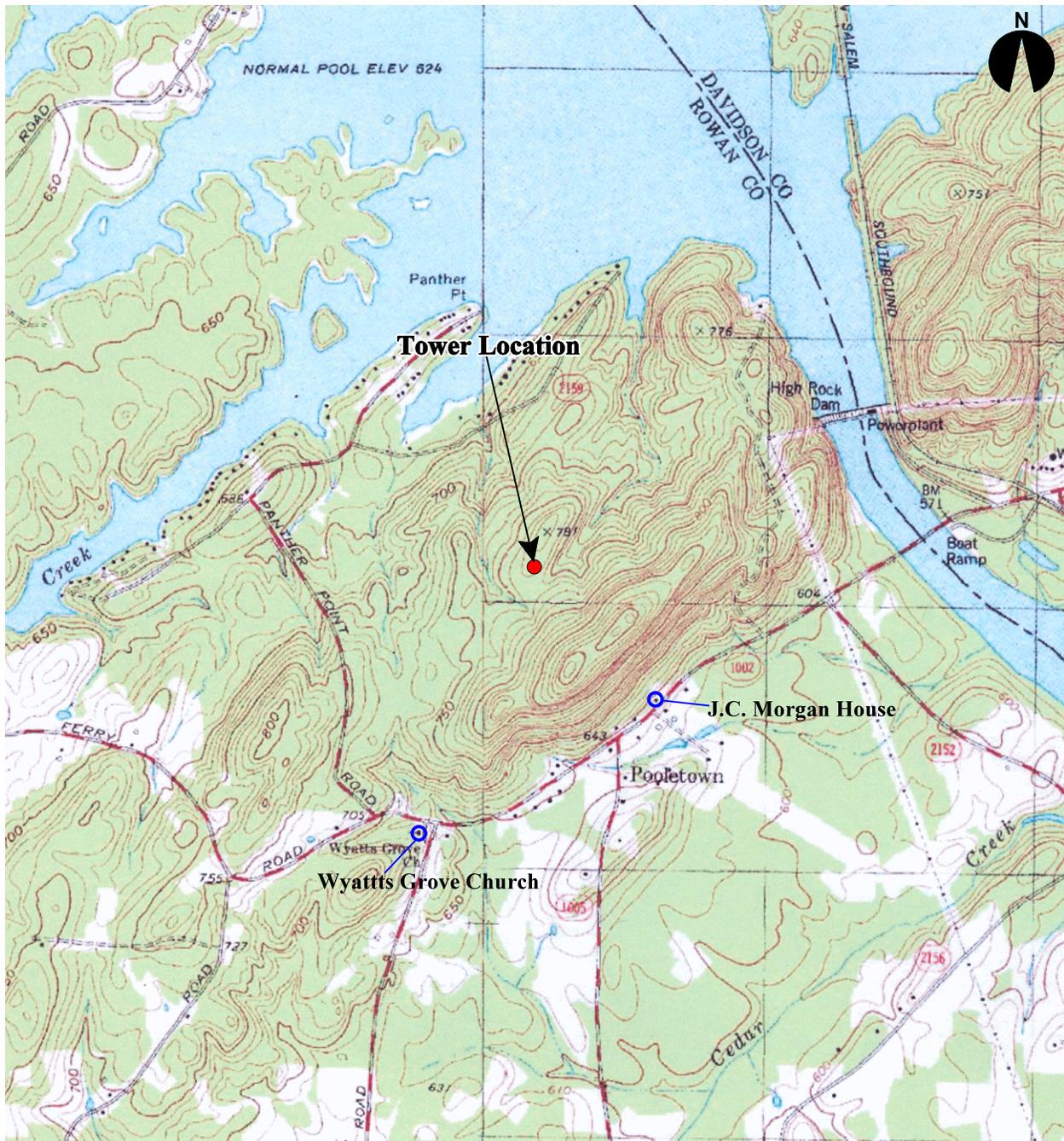
Mr. Swearingen, thank you for the opportunity to work on the High Rock Lake telecommunications project with Tower Engineering Professionals, Inc.. Please contact Mr. Neil Bowen at 770-345-0706 if you have any questions concerning our findings.

Sincerely,  
R.S. WEBB & ASSOCIATES

  
Neil J. Bowen  
Historian

  
Robert S. Webb  
President, Senior Principal Archeologist

Attachments: Figures 1, 2, and 3; Photographs 1 through 12.



Map Reference: 7.5 Minute USGS Quadrangles  
 High Rock (1980 PI 1983) and  
 Gold Hill (1962 PI 1983), North Carolina

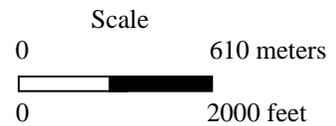


Figure 1 Tower Location Map



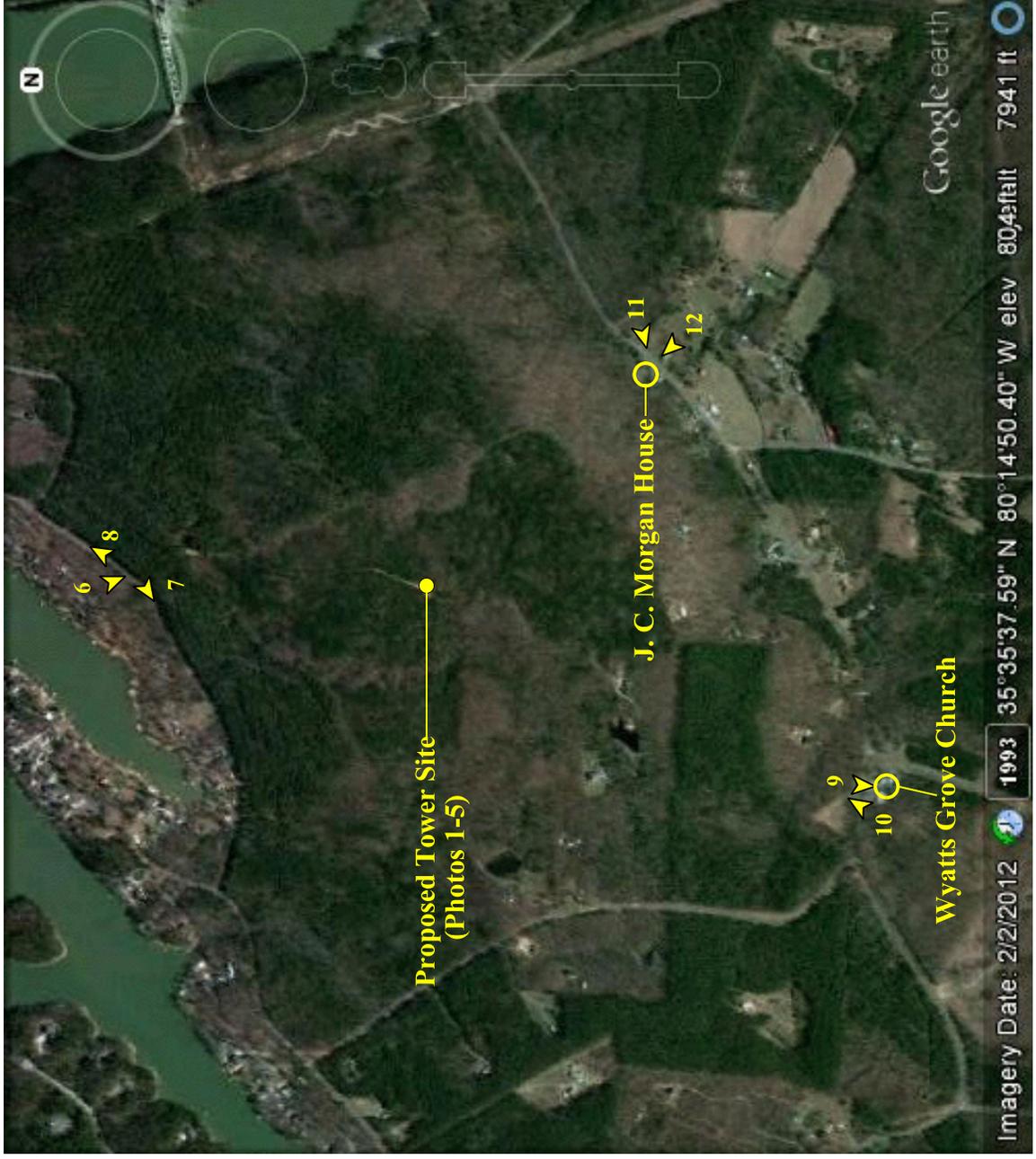


Figure 3 Photo Location Key



Photo 1 - View From Proposed Tower Lease Area Looking North Along Existing Access



Photo 2 - View From Proposed Tower Lease Area Looking South



Photo 3 - View From Proposed Tower Lease Area Looking East



Photo 4 - View From Proposed Tower Lease Area Looking West



Photo 5 - View of Shovel Test Excavated at Proposed Tower Center



Photo 6 - View of Existing Access Looking Southeast From Catfish Road



Photo 7 - View Along Catfish Road Looking Southwest From Existing Access



Photo 8 - View Along Catfish Road Looking Northeast From Existing Access



Photo 9 - View of Wyatts Grove Church Looking South



Photo 10 - View Looking Northeast From Wyatts Grove Church Toward Proposed Tower



Photo 11 - View of J.C. Morgan House Looking Southwest



Photo 12 - View of J.C. Morgan House Looking Northwest Toward Proposed Tower

# **ROBERT S. WEBB**

*President  
Principal Archeologist*

**EDUCATION:** M.A., Anthropology, University of Tennessee  
B.A., Anthropology, University of Tennessee

## **PROFESSIONAL**

**MEMBERSHIPS:** Southeastern Archeological Conference, Georgia Council of Professional Archeologists

## **CAREER SUMMARY**

Mr. Webb has over 20 years of professional experience in cultural resource management studies. He is the president and principal archeologist of the firm. Mr. Webb has expertise in cultural resources identification, evaluation, data recovery and other areas of resource management. He is also a trained physical anthropologist and bio-statistician. Mr. Webb served as senior archeologist and cultural resources assessment department manager at Law Environmental, Inc. from 1990 through 1993. He owned a cultural resources management firm from 1985 until joining Law Environmental, Inc. in 1990. Mr. Webb established R.S. Webb & Associates in January 1994.

## **SELECTED PROJECTS**

Unless otherwise noted, Mr. Webb served as principal investigator on the selected projects below.

### **Water Supply Reservoirs**

Cultural resources survey, Walton County raw water supply reservoir system, Walton County, Georgia (1,600 acres)

Cultural resources survey, City of Canton raw water supply reservoir system, Cherokee County, Georgia (350 acres)

Cultural resources survey, Henry County raw water supply reservoir system, Henry and Buttes Counties, Georgia (1,650 acres)

Cultural resources survey and testing, City of Griffin raw water supply reservoir system, Pike County, Georgia (450 acres)

Cultural resources survey and testing, Henry County raw water supply reservoir system, Henry and Spalding Counties, Georgia (1,000 acres)

Cultural resources survey and testing, Lake MacIntosh raw water supply reservoir system, Fayette and Coweta Counties, Georgia (650 acres)

Data recovery at nine prehistoric sites, Henry County raw water supply reservoir system, Henry and Spalding Counties, Georgia

Cultural resources survey, Horton Creek raw water reservoir and dam site, Fayette County, Georgia (800 acres)

Cultural resources survey, Town Creek raw water supply reservoir and dam site, Jones County, Georgia (750 acres)

Testing at a Historic Creek village and a late 19th/early 20th century cemetery, Town Creek raw water supply reservoir, Jones County, Georgia

Cultural resources survey and testing, Cornish Creek raw water supply reservoir and dam site, Newton County, Georgia (1,000 acres)

Data recovery at three prehistoric sites, Cornish Creek raw water reservoir and dam site, Newton County, Georgia

Cultural resources survey and testing, Yellow Creek raw water supply reservoir and dam site, Cherokee County, Georgia (330 acres)

Data recovery at an Archaic and Woodland period camp/quarry site, Pates Creek raw water supply reservoir, Henry County, Georgia

Cultural resources survey, Shoal Creek raw water supply reservoir and dam site, Clayton County, Georgia (450 acres)

Cultural resources survey, Ellijay-Gilmer raw water supply reservoir and dam site, Gilmer County, Georgia (300 acres)

Cultural resources survey, Hudson River raw water supply reservoir and dam site, Banks County, Georgia (570 acres)

Cultural resources survey, Rush Creek raw water supply reservoir and dam site, Meriwether County, Georgia (80 acres)

Cultural resources survey and testing, Hazel Creek raw water supply reservoir and dam site, Habersham County, Georgia (350 acres)

Cultural resources literature and records search, water supply reservoir alternatives study, Lamar County, Alabama

### **Airports**

Cultural resources survey, selected airport site, Lumpkin County, Georgia (150 acres)

Cultural resources survey, selected airport site, Upson County, Georgia (220 acres)

Cultural resources survey and testing, Cartersville Airport strip extension project, Bartow County, Georgia (60 acres)

Cultural resources survey, Gwinnett County airport strip replacement project, Lawrenceville, Georgia (250 acres)

Cultural resources survey, Tom B. David Airport strip extension project, Calhoun, Georgia (110 acres)

### **Development Projects**

Cultural resources survey and evaluative testing, Silver Creek development site, Forsyth County, Georgia (700 acres)

Cultural resources survey, Kingswood South development site, Fulton County, Georgia (83 acres)

Cultural resources survey, Abbots Bridge Road development site, Fulton County, Georgia (20 acres)

Archival research and archeological testing, St James Hotel renovation and expansion project, Selma, Alabama (Project Manager)

Cultural resources survey and evaluative testing, Harbor View development site, Cherokee County, Georgia (1,400 acres)

Evaluative testing at two historic house sites, Sugarloaf Farm, Gwinnett County, Georgia

Cultural resources survey and data recovery, Ballantyne golf course community, Mecklenburg County, North Carolina (750 acres)

Archival research, archeological monitoring and archeological data recovery, Atlanta Federal Center (Richs Department Store site), Atlanta, Georgia

Cultural resources survey, (confidential) golf course community, Beaufort County, South Carolina (90 acres)

Cultural resources survey and testing, I-20 mall site, Dekalb and Rockdale Counties, Georgia (1,250 acres)

Cultural resources survey, Columbia County community center, Columbia County, Georgia (50 acres)

Cultural resources survey, Columbia County public school site, Columbia County, Georgia (70 acres)

Cultural resources survey and testing, BMW automobile manufacturing plant site, Spartanburg County, South Carolina (1,500 acres)

Cultural resources reconnaissance surveys, alternative Mercedes-Benz automobile manufacturing plant sites, Alamance County, North Carolina and Berkeley County, South Carolina (2,500 acres)

Cultural resources reconnaissance survey, five Resolution Trust properties, Columbia, South Carolina (15 acres)

Cultural resources reconnaissance survey, American-Italian Pasta Company, Columbia, South Carolina (250 acres)

Cultural resources reconnaissance survey, Bona Allen development project, Buford, Georgia (320 acres)

Cultural resources survey, Union Camp facility, Prattville, Alabama (50 acres)

Cultural resources survey and testing, Technology Parkway development, Floyd County, Georgia (800 acres)

Cultural resources survey and testing, Publix Distribution Center development, Gwinnett County, Georgia (150 acres)

Cultural resources survey, International Paper Facility, Corinth, New York (50 acres)

Cultural resources literature/records review, industrial development site, Texas City, Texas

Cultural resources survey, Sawmill Place development site alternatives study, Columbus, Ohio

Cultural resources reconnaissance survey, Elbow Road development project, Chesapeake, Virginia (150 acres)

Cultural resources survey, Interrose industrial development site, Georgetown County, South Carolina (400 acres)

Cultural resources survey and testing, American Okenite industrial development site, Orangeburg County, South Carolina (250 acres)

Cultural resources survey and testing, Chapel Hill golf course, Douglas County, Georgia (150 acres)

Archeological testing at Crowfield Plantation for Westvaco Development Corporation, Summerville, South Carolina

Cultural resources survey and testing, Vereen Memorial Gardens, Horry County, South Carolina (120 acres)

Cultural resources survey, Tiger Creek stream channelization project, Fort Benning, Georgia (4 acres)

Cultural resources survey, Moccasin Creek lake site, Union County, Georgia (60 acres)

Cultural resources reconnaissance survey, Plantation Centre site, Bibb County, Georgia (90 acres)

### **Highways**

Cultural resources survey, Annistown Road improvements corridor, Gwinnett County, Georgia

Evaluative testing at Site 9GW347, Annistown Road improvements corridor, Gwinnett County, Georgia

Data recovery at a prehistoric quartz quarry site and 19th century farmstead site, Ronald Reagan Parkway, Gwinnett County, Georgia

Cultural resources survey, Old Madison Pike road-widening project, Huntsville, Alabama

Cultural resources survey, Four Mile Post road-improvement project, Huntsville, Alabama

Cultural resources survey, Kentucky Highway 15 road-widening project, Hazard, Kentucky

Cultural resources literature and records search, Valdosta by-pass alternatives study, Valdosta, Georgia

### **Historic Cemetery Delineations and Relocations**

Archival research and delineation of the Farmer Street Cemetery, Newnan, Georgia

Archival research and delineation of the Brooks Family Cemetery, Pickens County, Georgia

Archival research and delineation of the Alexander Family Cemetery, Mecklenburg County, North Carolina

Archival research and delineation at Bethel Baptist Church Cemetery, Cobb County, Georgia

Archival research and delineation of an abandoned cemetery, Anderson County, South Carolina

Archival research and delineation of the Franklin-Hamilton Cemetery, Cobb County, Georgia

Archival research and delineation of the Strickland Cemetery, Forsyth County, Georgia

Archival research and delineation of the Hiram Road Cemetery, Cobb County, Georgia

Archival research and delineation of the Harmony Cemetery, Gwinnett County, Georgia

Archival research and delineation of Thompson Cemetery, Fulton County, Georgia

Archival research and delineation of the McCurdy-Rawlins-Boring Cemetery, Gwinnett County, Georgia

Archival research and delineation of the Barham Cemetery, Henry County, Georgia

Archival research and delineation of the Adams-Adkins Cemetery, Henry County, Georgia

Archival research and delineation of the Woodward-Puch Cemetery, Henry County, Georgia

Archival research and delineation of the Grice Cemetery, Henry County, Georgia

Archival research and delineation of an abandoned 19th century cemetery, Madison County, Alabama

Archival research and delineation of a late 18th century cemetery, Spartanburg, South Carolina

Archival research and delineation of the Lost Mountain Baptist Church Cemetery, Cobb County, Georgia

Archival research and delineation of the Shiloh Church Cemetery, Cobb County, Georgia

Archival research and delineation of the Turner-Sewell Cemetery, Cobb County, Georgia

Archival research and delineation of the Matthew Strickland Gravesite, Gwinnett County, Georgia

Archival research and delineation of the Morris Cemetery and Sarah Webb Gravesite, Fulton County, Georgia

Archival research and delineation of the Moon Cemetery, Cobb County, Georgia

Archival research, delineation and relocation of the Miles Cemetery, Jackson County, Florida

Archival research, delineation and relocation of two 19th century cemeteries, Spartanburg County, South Carolina.

Archival research, delineation and relocation of the Freshwater Resort Cemetery, Calhoun Falls, South Carolina

Archival research, delineation and relocation of the Harris and McClure Cemeteries, Cabarrus County, North Carolina

Archival research, delineation and relocation of the Smithfield Cemetery, Cabarrus County, North Carolina

Archival research, delineation and relocation of the Rock Creek Cemetery, Guilford County, North Carolina

### **National Priority List Hazardous Waste Sites**

Cultural resources survey (Phase Ia), Fort Dix sanitary landfill site, Fort Dix, New Jersey, (126 acres)

Cultural resources survey (Phase 2b), Fort Dix sanitary landfill site, Fort Dix, New Jersey, (1 acre)

Cultural resources literature review, dry cleaning facility, Fort Riley, Kansas

Cultural resources literature and records search, selected sites, Griffiss Air Force Base, New York

### **Radioactive Waste Facilities (Proposed Locations)**

Cultural resources survey and testing, proposed North Carolina Low-Level Radioactive waste disposal facility site, Wake and Chatham Counties, North Carolina (850 acres)

Cultural resources survey and testing, proposed North Carolina Low-Level Radioactive waste disposal facility site, Richmond County, North Carolina (2,000 acres)

### **State of Georgia**

Cultural resources survey and testing, Richard B. Russell State Park golf course, Elbert County, Georgia (430 acres)

Cultural resources survey, Gordonia State Park golf course, Tattnall County, Georgia (90 acres)

Various public outreach site visits for the Georgia Council of American Indian Concerns

More than 20 cultural resources surveys conducted for State agencies under the Georgia Environmental Policy Act

### **Solid Waste Landfill Sites**

Cultural resources survey, solid waste landfill site, Catawba County, North Carolina (350 acres)

Cultural resources survey, two solid waste landfill sites, Chickasaw County, Mississippi (700 acres)

Cultural resources survey, Superior Sanitation solid waste landfill site, Chatham County, Georgia (742 acres)

Cultural resources survey, BFI regional solid waste landfill site, Lawrence County, Alabama (500 acres)

Cultural resources reconnaissance survey, proposed solid waste landfill site, Forsyth County, Georgia (650 acres)

Cultural resources survey and testing, solid waste landfill site, DeKalb County, Georgia (150 acres)

Data recovery at a soapstone quarry site, solid waste landfill site, DeKalb County, Georgia

Cultural resources survey and testing, solid waste landfill site, Spartanburg County, South Carolina (90 acres)

Cultural resources survey, solid waste landfill site, Florence County, South Carolina (600 acres)

Cultural resources survey, solid waste landfill site, Louisville, Kentucky (300 acres)

Cultural resources survey, solid waste landfill site, Mt. Pleasant, Tennessee (15 acres)

Cultural resources survey, solid waste landfill site, Blount County, Tennessee (50 acres)

Cultural resources survey, solid waste landfill site, Johnson City, Tennessee (20 acres)

Cultural resources survey, solid waste landfill site, Jackson County, Florida (2 acres)

Cultural resources survey, solid waste landfill site, Jasper County, South Carolina (250 acres)

Cultural resources survey, solid waste landfill site, Harris County, Texas (500 acres)

### **U.S. Army Corps of Engineers Waterways**

Testing of two prehistoric sites, Tennessee-Tombigbee Waterway, Monroe County, Mississippi

### **U.S. Forest Service Timber Sale Areas**

Cultural resources survey, Chattahoochee National Forest, Georgia (990 acres)

Five cultural resources surveys, Nantahala National Forest, North Carolina (1,667 acres)

Cultural resources survey, Pisgah National Forest, North Carolina (349 acres)

Six cultural resources surveys, Oconee National Forest, Georgia (18,268 acres)

## **Utilities Projects**

Cultural resources survey, proposed Old Atlanta Road transmission line, Oglethorpe Power Corporation, Forsyth County, Georgia

Evaluative testing at Site 9FO218, proposed Old Atlanta Road transmission line, Oglethorpe Power Corporation, Forsyth County, Georgia

More than 20 other cultural resources survey and testing projects, transmission line corridors and substation sites across Georgia, Oglethorpe Power Corporation, Decatur, Georgia

Cultural resources survey and evaluative testing, sewer line extensions, Davidson County, Tennessee

Cultural resources survey, water treatment plant site and water intake corridor, Banks County, Georgia

Cultural resources survey (Phase Ia), proposed Mohawk Power Corporation gas pipeline, Jefferson County, New York

Cultural resources reconnaissance survey, transmission line alternatives study, Curles Neck, Virginia

Cultural resources literature and records search, U.S. Generating Company power facilities alternatives study, various sites across Georgia

Cultural resources survey and testing, Butler Creek sewer line, Richmond County, Georgia

Cultural resources survey, realignment monitoring, in-place preservation planning, public meeting, agency presentation and evaluation of impacts to the Augusta Canal National Historic Landmark and a prehistoric shell midden site, Richmond water line and intake, Richmond and Columbia Counties, Georgia

Cultural resources survey, Proctor Creek MARTA rail line, Atlanta, Georgia

Evaluative testing of a 19th century landfill, Proctor Creek MARTA station, Atlanta, Georgia

Cultural resources survey, north, east and west MARTA rail extensions, Atlanta, Georgia

Cultural resources survey, East Point MARTA rail line, Atlanta, Georgia

Cultural resources survey and testing, Brookhaven MARTA rail line and station, Atlanta, Georgia

Data recovery at historic Johnstown, Lennox Square MARTA station, Atlanta, Georgia

Cultural resources survey, gas pipeline, Big Thicket, Texas (field director)

Cultural resources survey, gas pipeline, Calcasieu Parrish, Louisiana (field director)

Cultural resources survey, Wildwood Park water line and water treatment site, Columbia County, Georgia

Cultural resources surveys, Phases I and II, sewer line improvements, Commerce, Georgia

Cultural resources survey, water system improvements, Senoia, Georgia

Cultural resources survey, sewer and water system improvements, Tallapoosa, Georgia

## **FCC Checklist Studies (Cultural Resources)**

Literature review and field survey of over 4,000 communication tower sites in Georgia, North Carolina, South Carolina, Tennessee, Alabama, Florida and Virginia

### **Wastewater Treatment Projects**

Cultural resources reconnaissance survey, land application site, Spalding County, Georgia (750 acres)

Cultural resources survey and testing, Piedmont Park and White Park CSO projects, Atlanta, Georgia

Cultural resources survey, land application site, Turner County, Georgia (264 acres)

Cultural resources survey, land application site, Rochelle, Georgia (10 acres)

Cultural resources survey, land application site, Blackshear, Georgia (90 acres)

# **NEIL J. BOWEN**

*Historian*

## **EDUCATION:**

A. A., Georgia Perimeter College, 2000

B. A., History, Georgia State University, 2002

## **CAREER SUMMARY**

Mr. Bowen has 5 years experience in different aspects and the various phases of cultural resource management. He has conducted extensive literature research including deed research, archival research, and informal and formal oral interviews resulting in the writing of histories for more than 100 projects in Alabama, Georgia, South Carolina, Tennessee, and Florida. Mr. Bowen has participated in archeological fieldwork including survey, testing, and data recovery, and has contributed to the writing and production of archaeological reports. He has experience with archeological lab techniques and has assisted with artifact analysis. Mr. Bowen has experience in Section 106 field assessment techniques and has conducted fieldwork for telecommunications tower projects throughout the southeastern United States. Mr. Bowen has experience in photographic and historical documentation of various historic structures across Georgia, historical research (including genealogy) concerning historic cemeteries in Georgia and South Carolina, and he has extensive experience with archeological investigations and historical research of Civil War sites in Georgia.

Through his enrollment in the Heritage Preservation program at Georgia State University, Mr. Bowen gained experience with historic preservation laws, the conservation of historic building materials, and historic resource evaluation. Additionally, he contributed to the writing of historic structure reports, helped develop community design guidelines, and has written National Register nominations.

Mr. Bowen has served as historian and/or co-author on many cultural resource reports in Georgia and South Carolina during the past five years. Mr. Bowen served as historian and/or field technician for the following selected projects involving archeology, Civil War sites, historic structure documentation, telecommunications tower site evaluations, cemetery delineation, and research:

## **SELECTED HISTORICAL AND ARCHAEOLOGICAL PROJECTS**

The John Brown House, Bulloch County, Georgia.

Archival and Photographic Documentation of the Tau Epsilon Phi and Chi Phi Fraternity Houses, Clarke County Georgia.

The Thomas Yeomans House, Emanuel County, Georgia.

The Wood-Hudson family cemetery, Fulton County, Georgia.

The Harrison-Addington family cemetery, Gwinnett County, Georgia.

Archeological Phase III data recovery of an 18<sup>th</sup> Century plantation, Beaufort County, South Carolina.

Archeological phase III data recovery of an early Archaic site, Gwinnett County, Georgia.

Archeological phase I survey of a 5,000 acre tract in Jasper County, South Carolina.

Oakdale-Turner Road data recovery and documentation, Johnston's River Line, Cobb County, Georgia.

Phase II archeological excavation of the Cheney House, Cobb County, Georgia.

Reconnaissance and/or phase I archeological surveys of Civil War sites in Cobb County, Georgia.

Archaeological and historic resource evaluation for telecommunications tower projects in Alabama, Georgia, Tennessee, South Carolina, and Florida.



**GENERAL NOTES:**

1. ALL REFERENCES TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED NORTH CAROLINA HIGHWAY PATROL OR IT'S DESIGNATED REPRESENTATIVE.
2. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE OF NORTH CAROLINA.
3. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE, 2012 EDITION.
4. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
5. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
6. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND IT'S COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
7. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
8. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
10. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
11. BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR. CONTRACTOR SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
12. ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
13. 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER.
14. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN IT PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFTER MATERIAL SHALL BE REWORKED OR REPLACED.
15. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
16. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
17. ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE DISCOVERED. THE OWNER SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

PLANS PREPARED FOR:

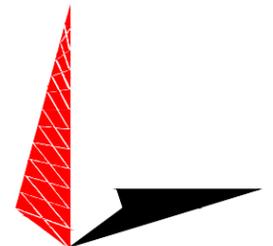


3318 GARNER ROAD, BLDG. 2  
 RALEIGH, NC 27607  
 OFFICE: (919) 662-4440

PROJECT INFORMATION:

**HIGH ROCK LAKE  
 SITE # HP-1127  
 SCO ID # 10-08449-01H**  
 CATFISH ROAD  
 RICHFIELD, NC 28137  
 (ROWAN COUNTY)

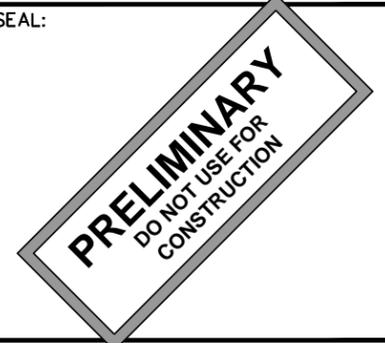
PLANS PREPARED BY:



**TOWER ENGINEERING PROFESSIONALS**  
 3703 JUNCTION BOULEVARD  
 RALEIGH, NC 27603-5263  
 OFFICE: (919) 661-6351  
 www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



1	09-27-12	PRELIMINARY ZONING
0	09-26-12	PRELIMINARY ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:

**PROJECT  
 NOTES**

SHEET NUMBER: <b>N-1</b>	REVISION: <b>1</b> TEP #: 110517
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**NOTES:**

1. THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A REPORT OF TITLE.
2. THIS PLAN DOES NOT REPRESENT A TITLE SURVEY.
3. THE BASIS OF THE MERIDIANS AND COORDINATES FOR THIS PLAT IS THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NCSPCS NAD 83), BASED ON DIFFERENTIAL GPS OBSERVATIONS PERFORMED ON MAY 13, 2011.
4. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X," AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN (FEMA/FIRM MAP NUMBER 3710662600K).
6. SUBJECT PIN: 506 001
7. PROPERTY OWNER: STEVEN BRIGHAM

**PROPERTY CURVE DATA**

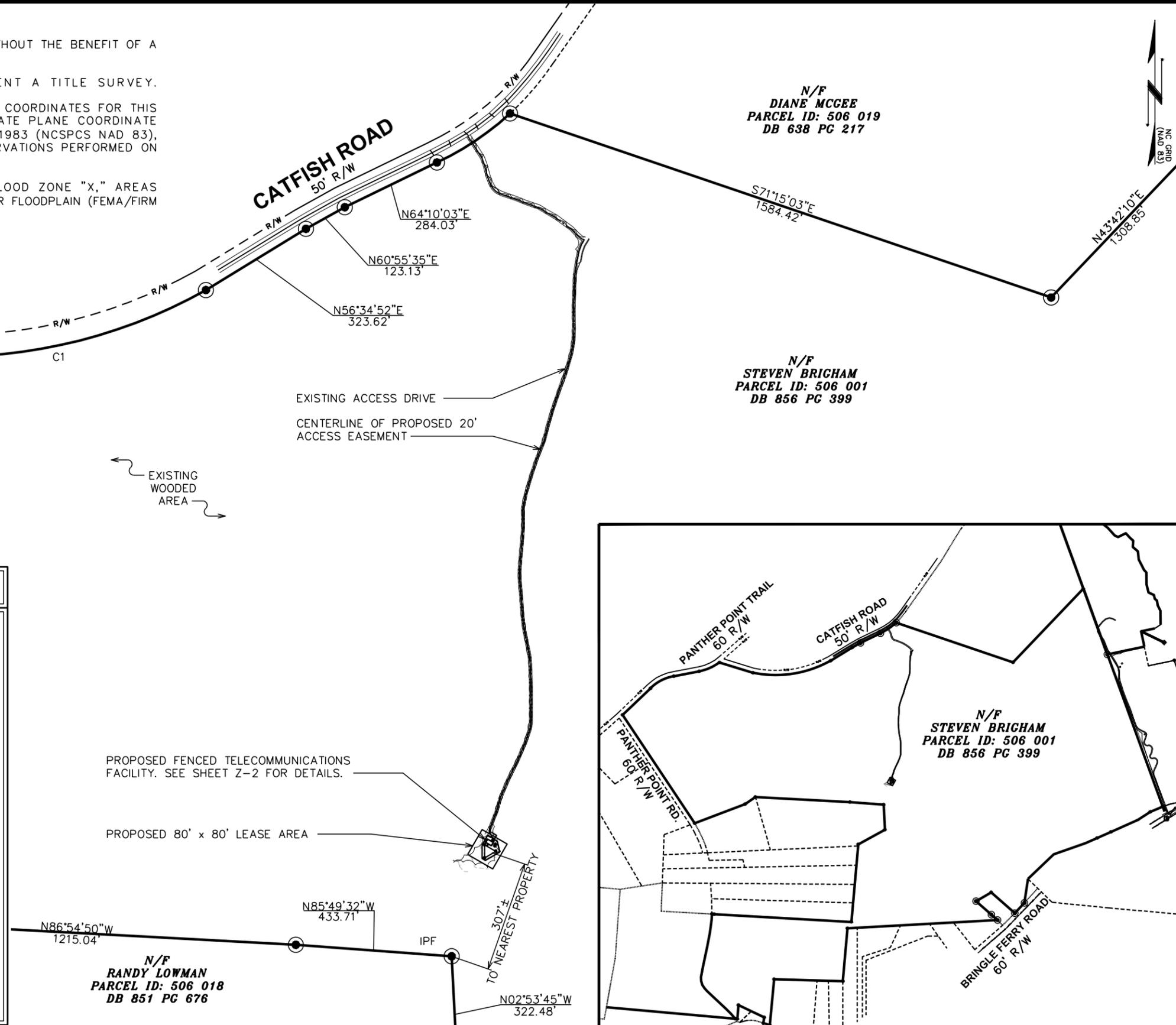
CURVE	RADIUS	DISTANCE
C1	1439.61'	1029.33'

**LEGEND**

- EXIST. PROPERTY LINE
- - - ADJ. PROPERTY LINE
- PROPERTY CORNER
- IRF IRON ROD FOUND
- ⊠ CM CONCRETE MONUMENT
- ⊕ EXIST. UTILITY POLE
- Ⓣ EXIST. TELCO PEDESTAL
- ⓔ EXIST. POWER PEDESTAL
- - -200- - - EXIST. CONTOUR LINE
- /// EDGE OF PAVEMENT
- - OHW - - - OVERHEAD WIRE
- X - CHAIN LINK FENCE
- ~ EXISTING TREE LINE

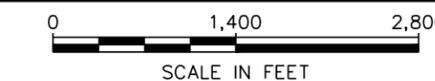
**SITE PLAN**

SCALE: 1" = 300'



**PARCEL OVERVIEW**

SCALE: 1" = 1400'



PLANS PREPARED FOR:

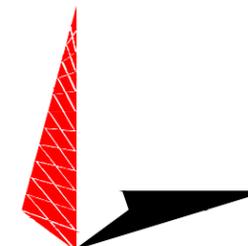


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**SCO ID # 10-08449-01H**  
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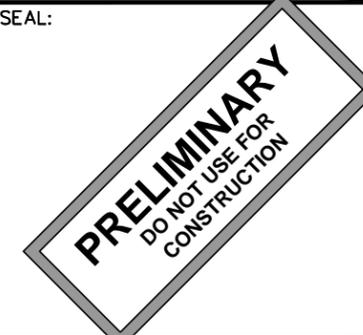
PLANS PREPARED BY:



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3703 JUNCTION BOULEVARD  
RALEIGH, NC 27603-5263  
OFFICE: (919) 661-6351  
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



REV	DATE	ISSUED FOR:
1	09-27-12	PRELIMINARY ZONING
0	09-26-12	PRELIMINARY ZONING

DRAWN BY: TRG CHECKED BY: JBG

SHEET TITLE:  
**SITE PLAN**

SHEET NUMBER: <b>Z-1</b>	REVISION: <b>1</b>
TEP #: 110517	

**ANSI/TIA-222-G DESIGN NOTE:**

THE PROPOSED TOWER SHALL BE DESIGNED PER THE FOLLOWING PARAMETERS:

STRUCTURE CLASSIFICATION: III  
 EXPOSURE CATEGORY: C  
 TOPOGRAPHIC CATEGORY: 1

DESIGN WIND SPEED: 90mph(3sec GUST), 76mph(FATEST MILE)

CENTERLINE OF PROPOSED 20' ACCESS EASEMENT

EXISTING ACCESS DRIVE

PROPOSED TURNAROUND

PROPOSED 80'x80' LEASE AREA

EXISTING WOODED AREA

PROPOSED 12' ACCESS GATE

PROPOSED 5'-0" x 7'-0" CONCRETE LANDING SLOPED 2% MAX AWAY FROM DOOR. GRADE UP TO LANDING

PROPOSED METER AND PORTABLE GENERATOR CONNECTION

PROPOSED 11'-6" x 19'-0" EQUIPMENT SHELTER

PROPOSED DIESEL GENERATOR ON A 5'-6" x 9'-6" CONCRETE PAD

PROPOSED 24" WIDE ICE BRIDGE

PROPOSED GRAVEL INSIDE COMPOUND AREA (6" OF #57 STONE)

PROPOSED 380' SELF-SUPPORT TOWER

PROPOSED FENCED TOWER COMPOUND

36' FACEWIDTH (ASSUMED)

EXISTING WOODED AREA



PLANS PREPARED FOR:



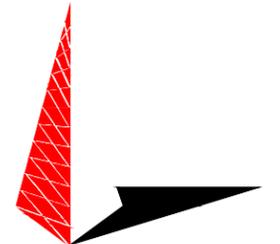
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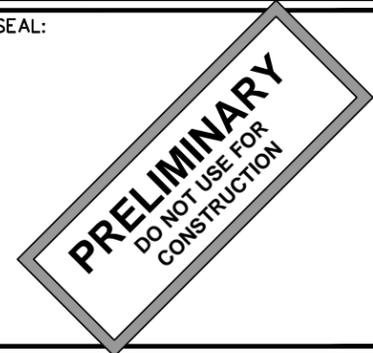


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SEAL:



REV	DATE	ISSUED FOR:
1	09-27-12	PRELIMINARY ZONING
0	09-26-12	PRELIMINARY ZONING

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:  
**COMPOUND  
 DETAIL**

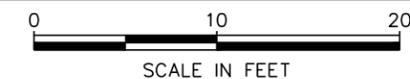
SHEET NUMBER:  
**Z-2**

REVISION:  
**1**

TEP #: 110517

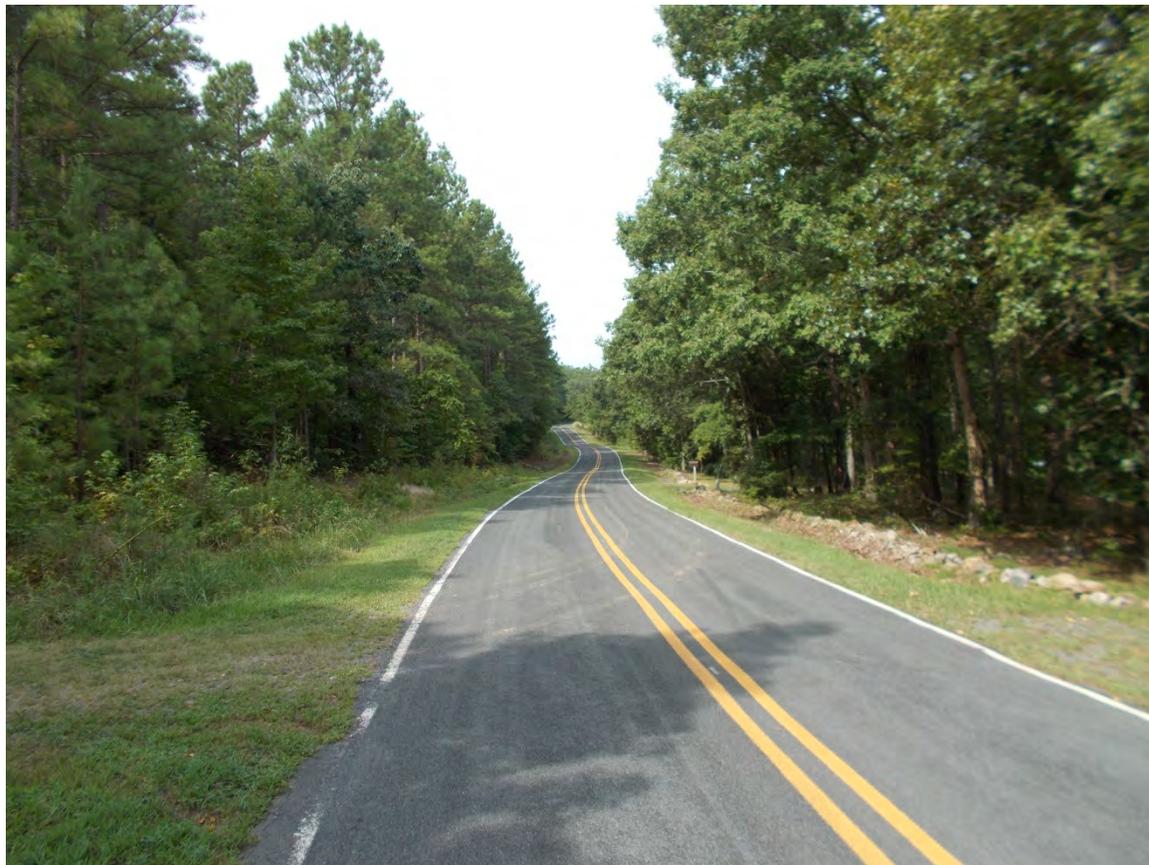
**COMPOUND DETAIL**

SCALE: 1" = 10'

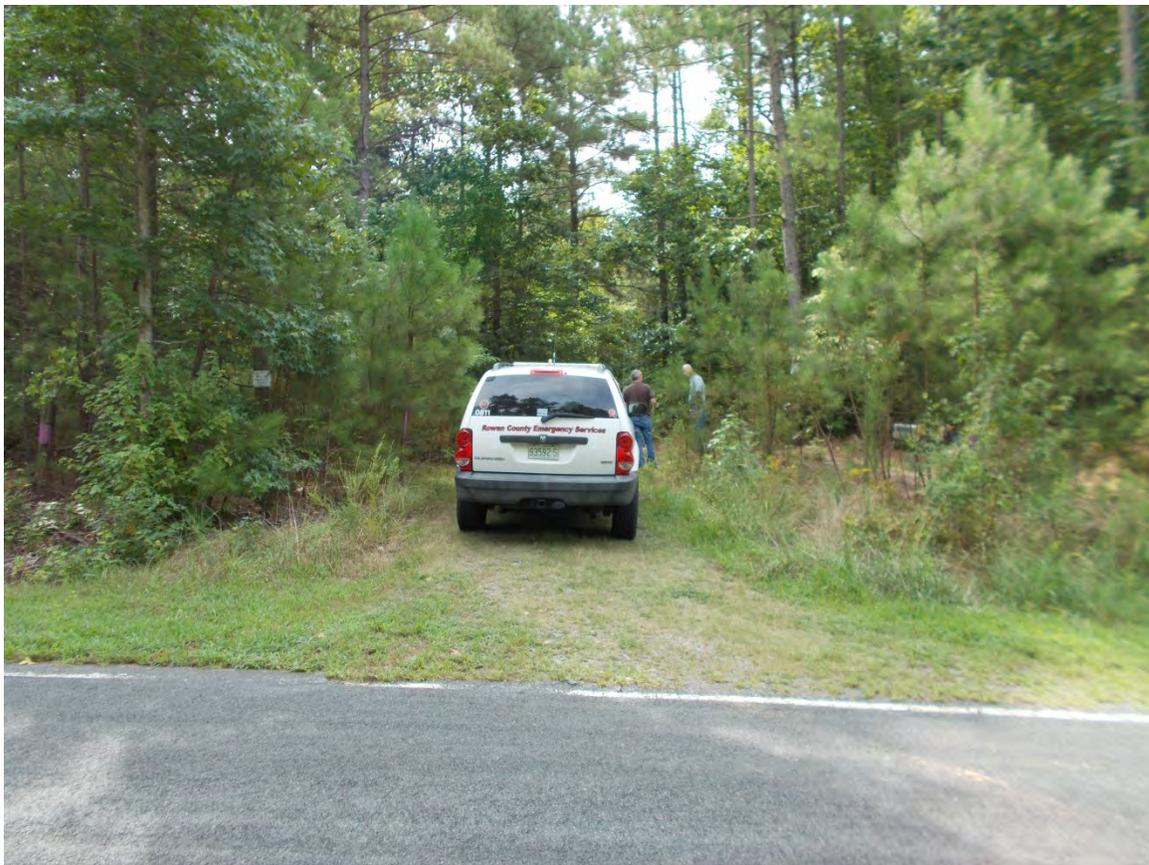




1) Photo facing northeast along Catfish Road.



2) Photo facing southwest along Catfish Road.



3) Photo facing south from Catfish Road towards proposed access easement.



4) Photo facing north along the proposed access easement.



5) Photo facing north along the proposed access easement.



6) Photo facing north from proposed tower centerline.



7) Photo facing south from proposed tower centerline.



8) Photo facing east from proposed tower centerline.



9) Photo facing west from proposed tower centerline.



# Tower Construction Notification

[FCC](#) > [WTB](#) > Tower Construction Notification

[FCC Site Map](#)

Logged In: ([Log Out](#)) [Section 106](#)

## Tower Construction Notification New Notification

[Notifications Home](#)

Your Notification has been successfully submitted to the FCC. The date for this Notification is 02/12/2013. Your Notification ID number is **92484**. Please make a note of this Notification ID — print out this page for your records. A confirmation of this submitted notification will also be emailed to the email address specified in your notification.

This system is intended to facilitate consultation under Section 106 of the National Historic Preservation Act by providing early notification of proposed construction to Tribes and State Historic Preservation officers. This system is not to be used in place of Section 106 consultation, and use of this notification system in itself does not satisfy parties' obligations with respect to historic preservation review under the Commission's rules.

### **Please note: the submission of this notification is NOT to be considered a submission for Antenna Structure Registration.**

Tower Structures that require antenna structure registration based on FCC Rules 47 C.F.R. Part 17 must complete FCC Form 854 after FAA clearance is obtained.

- ASR Help**                    [ASR License Glossary](#) - [FAQ](#) - [Online Help](#) - [Documentation](#) - [Technical Support](#)
- ASR Online Systems**       [TOWAIR](#)- [CORES/ASR Registration](#) - [ASR Online Filing](#) - [Application Search](#) - [Registration Search](#)
- About ASR**                 [Privacy Statement](#) - [About ASR](#) - [ASR Home](#)

Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554  
[More FCC Contact Information...](#)

Phone: 1-877-480-3201  
TTY: 1-717-338-2824  
Fax: 1-866-418-0232  
[Submit Help Request](#)

- [Web Policies & Privacy Statement](#)
- [Required Browser Plug-ins](#)
- [Customer Service Standards](#)
- [Freedom of Information Act](#)

## Andrew Blake

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Tuesday, February 12, 2013 1:09 PM  
**To:** Andrew Blake  
**Subject:** Proposed Tower Structure Info - Email ID #3199456

Dear Andrew B Blake,

Thank you for submitting a notification regarding your proposed construction via the Tower Construction Notification System. Note that the system has assigned a unique Notification ID number for this proposed construction. You will need to reference this Notification ID number when you update your project's Status with us.

Below are the details you provided for the construction you have proposed:

Notification Received: 02/12/2013

Notification ID: 92484

Tower Owner Individual or Entity Name: TEP for the North Carolina Department of Public Safety - North Carolina Highway Patrol

Consultant Name: Andrew B Blake

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: [ablake@tepgroup.net](mailto:ablake@tepgroup.net)

Structure Type: LTOWER - Lattice Tower

Latitude: 35 deg 35 min 44.0 sec N

Longitude: 80 deg 14 min 51.6 sec W

Location Description: Catfish Road

City: Richfield

State: NORTH CAROLINA

County: ROWAN

Ground Elevation: 234.2 meters

Support Structure: 115.8 meters above ground level

Overall Structure: 120.4 meters above ground level

Overall Height AMSL: 354.6 meters above mean sea level

## Andrew Blake

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, February 15, 2013 3:01 AM  
**To:** Andrew Blake  
**Cc:** kim.pristello@fcc.gov; diane.dupert@fcc.gov  
**Subject:** NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3201349

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Chief Leo R Henry - Tuscarora Nation - Via: Lewiston, NY - regular mail

Details: If the Applicant/tower builder receives no response from the Tuscarora Nation within 30 days after notification through TCNS, the Tuscarora Nation has no interest in participating in pre-construction review for the site. The Applicant/tower builder, however, must IMMEDIATELY notify the Tuscarora Nation in the event archaeological properties or human remains are discovered during construction.

2. Policy Analyst Richard L Allen - Cherokee Nation - Tahlequah, OK - electronic mail

Details: The TCNS Details do not provide me enough information to conduct a proper assessment of the projects on behalf of the Cherokee Nation. Therefore, I request that I be sent a brief summary of the Phase I findings [please try to limit the summary to between 1--10 pages], a topo of the area, and relevant photos. Please send these by email to

rallen@cherokee.org. Please treat this request for additional material as a routine supplement to the TCNS Details Notification for each of your projects that fall within our Tribe's areas of geographic interest. Consequently, if you do not receive a response from me within 30 days from the date on which you e-mailed the supplemental items to me, you may move forward with the 20-Day Letter procedures pursuant to the FCC's guidelines. Thank you. -- Dr. Richard L. Allen

3. Administrative Assistant Jo Ann Beckham - Eastern Shawnee Tribe of Oklahoma - Seneca, MO - electronic mail  
Details: If you, the Applicant and/or tower constructor, do not receive a response from us, the Eastern Shawnee Tribe of Oklahoma, within 30 days from the date of the TCNS notification, then you may conclude that we do not have an interest in the site. However, if archeological resources or remains are found during construction, you must immediately stop construction and notify us of your findings in accordance with the FCC's rules. (See 47 C.F.R. § 1.1312(d))

4. THPO Kim Jumper - Shawnee Tribe - Miami, OK - regular mail  
Details: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON ALL PROJECTS BUILT IN OUR AREAS OF GEOGRAPHIC INTEREST.

ATTENTION, NEW INFORMATION: Our procedures were updated on 14 January 2008. Please call Kim Jumper, THPO, at 918-542-2441, so that she can send you a copy.

If your tower is a co-location, please fax us this information to let us know. We cannot always tell from the TCNS web site that a tower is a co-location. We require a written response from you to let us know that it is a co-location. If a co-location project includes some new ground disturbance (such as from an expanded compound or access road, or construction of an ancillary structure), the Shawnee Tribe treats such a project the same as any other non co-location project.

Our correct mailing/physical address is: 29 South Highway 69A. Our correct phone number is (918-542-2441) and our historic preservation fax line is (918-542-9915). THPO Kim Jumper manages all cell tower consultation.

As of 26 June 2006, all of the faxed responses of our final comments on a tower site will contain an original Shawnee Tribe signature. Each final comment fax is signed individually. Copies may be compared, for authentication, against the original in our files. If a final comment fax does not contain a signature, it is not valid. ALL FINAL COMMENTS FROM THE SHAWNEE TRIBE ARE WRITTEN; FINAL COMMENTS ARE NEVER PROVIDED VERBALLY. IF THE SHAWNEE TRIBE IS CREDITED WITH HAVING GIVEN A VERBAL RESPONSE, THAT RESPONSE IS NOT VALID.

If you receive notification through the TCNS listing the Shawnee Tribe, that is an indication that the Shawnee Tribe is interested in consulting on the tower for which that notification was received. Please consider that our official indication of interest to you. The Shawnee Tribe considers the Tower Construction Notification System's weekly e-mail to be the first notification that we receive that a tower will be constructed in an area of our concern. We do not view the TCNS notification as completion of 106 consultation obligations.

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated on 14 January 2008 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the tower builder's responsibility to make sure that you have our most recent consultation procedures.

PLEASE DO NOT SEND US INFORMATION, QUERIES, OR COMMENTS ELECTRONICALLY. SINCE 1 DECEMBER 2005, WE HAVE NOT HANDLED ANY CELL TOWER CONSULTATION, INQUIRIES, OR CORRESPONDENCE VIA E-MAIL.

5. THPO and Executive Director Dr. Wenonah G Haire - Catawba Indian Nation Cultural Preservation Project - Rock Hill, SC - electronic mail and regular mail

Details: The Catawba Indian Nation Tribal Historic Preservation Office requests that you send us by regular mail the following information needed to complete our research for the your proposed project:

Project Name \_\_\_\_\_

Project Number \_\_\_\_\_

\_\_\_\_\_1. The name, complete address, phone number, fax number and e-mail address of the project manager.

\_\_\_\_\_2. The project location plotted on a topo map.

\_\_\_\_\_3. The project name, address and location; street or highway, city, county, state.

\_\_\_\_\_4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated.

\_\_\_\_\_5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.

\_\_\_\_\_6. A list of all recorded archaeological sites within one half (1/2) mile of the project area.

\_\_\_\_\_7. A list of all eligible and potentially eligible National Register of Historic Places sites within one half (1/2) mile of the proposed project area.

\_\_\_\_\_8. If there has been an archaeological survey done in the area, a copy of that report.

\_\_\_\_\_9. It is not necessary to send original color photos if you can provide high-resolution color copies.

\_\_\_\_\_10. A letter of concurrence from the appropriate State Historic Preservation Office.

If you use the FCC Form 620, please do not send Attachments 1 through 6. They are not necessary for our determination. We do not have an interest in projects that require no ground disturbance.

Please note: Our research/processing fee is currently \$250. This fee will be changing to \$400 effective March 1, 2012. Please send these requested materials in hard copy format. Send to:

CIN-THPO  
1536 Tom Steven Road  
Rock Hill, S.C. 29730

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to

determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

6. Environmental Review Coordinator Renee Gledhill Earley - NC State Historic Preservation Office - Raleigh, NC - electronic mail

7. Deputy SHPO David Brook - Historic Preservation Office - Raleigh, NC - electronic mail

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 02/12/2013

Notification ID: 92484

Tower Owner Individual or Entity Name: TEP for the North Carolina Department of Public Safety - North Carolina Highway Patrol

Consultant Name: Andrew B Blake

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: ablake@tepgroup.net

Structure Type: LTOWER - Lattice Tower

Latitude: 35 deg 35 min 44.0 sec N

Longitude: 80 deg 14 min 51.6 sec W

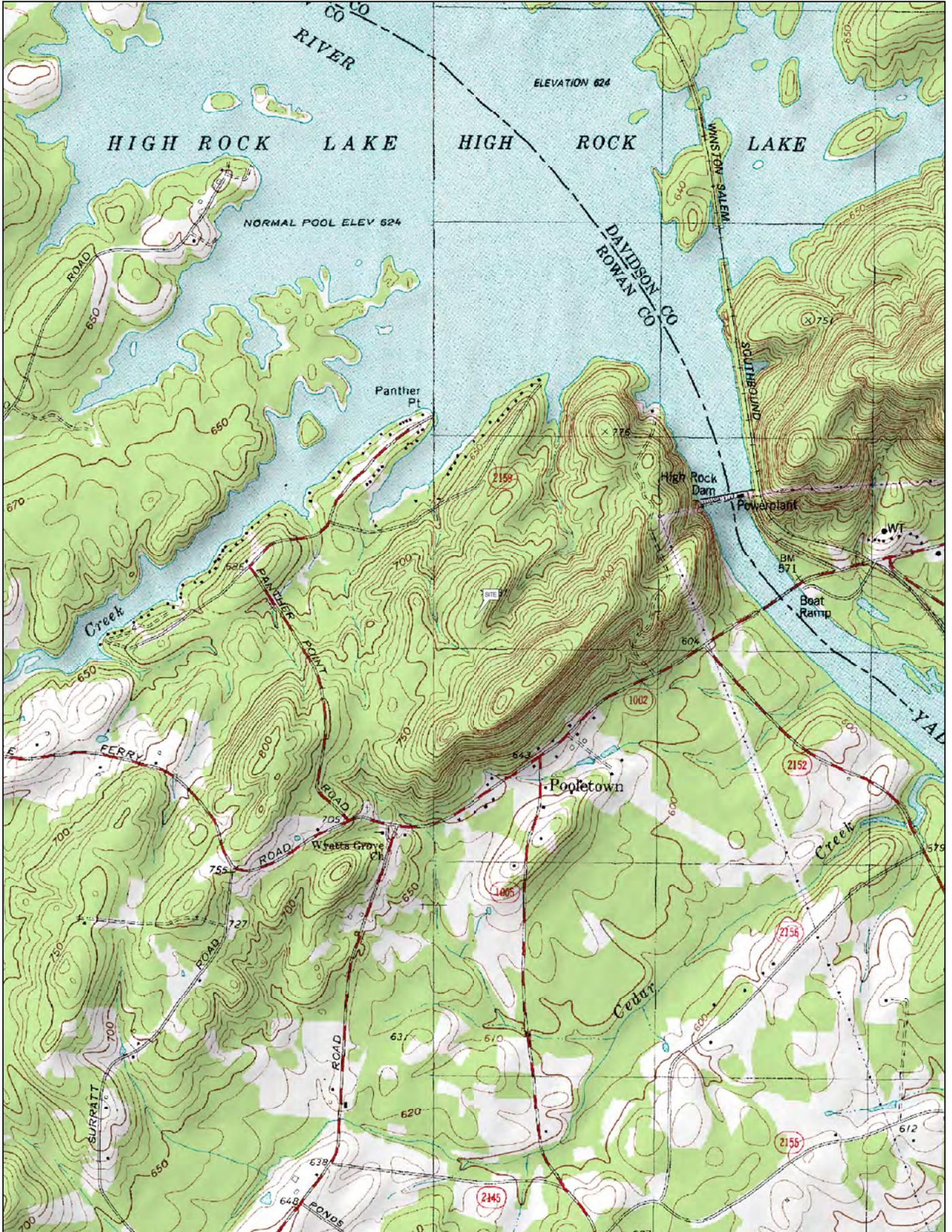
Location Description: Catfish Road  
City: Richfield  
State: NORTH CAROLINA  
County: ROWAN  
Ground Elevation: 234.2 meters  
Support Structure: 115.8 meters above ground level  
Overall Structure: 120.4 meters above ground level  
Overall Height AMSL: 354.6 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

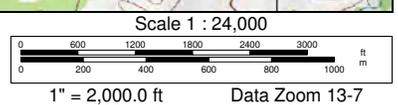
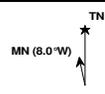
<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,  
Federal Communications Commission



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www.delorme.com





Google earth

feet  
meters



### **Section III – Informal Biological Assessment**

**COMMUNICATIONS TOWER SITE**  
**EVALUATION FORM**

1. Location (Provide maps if possible):  
State: NC  
County: Rowan  
Latitude/Longitude/GPS Grid: N 35° 35' 44.034" W 80° 14' 51.596"  
City and Highway Direction (2 miles W on Hwy 20, etc.): north of Bringle Ferry Road, south of Catfish Road, southwest of the High Rock Lake Dam.
2. Elevation above mean sea level: ~768.3-ft.
3. Will the equipment be co-located on an existing FCC licensed tower or other existing structure (building, water tank, etc)? Y/N NO If yes, type of structure:
4. If yes, will the compound be expanded:  
If yes, will the tower be extended:
5. If No, provide proposed specifications for the new tower:  
Height: 380-ft (395-ft with appurtenances)  
Construction Type (lattice, monopole, etc.): Self Support Lattice  
Guyed-Wire? NO No. Bands: N/A Total No. Wires:N/A  
Lightning (Security and Aviation): anticipated to be equipped with a dual mode medium intensity lighting system.
6. Area of tower footprint in acres or square feet: According to Preliminary construction drawings the total proposed area of disturbance associated with the improvement of the existing access drive and lease area is anticipated to total approximately 11,400 sq. ft. (0.26-acres).
7. Length and width of access road in feet:  
Length: The proposed 20-ft wide access easement will utilize an existing earthen path which proceeds south from Catfish Road, through recently clear-cut forested land uses, for approximately 2,200-ft until reaching the proposed 80-ft x 80-ft lease area.  
Width: ~20-ft
8. General description of terrain (mountains, rolling hills, flat, flat in undulating, etc.). Photographs of the site and surrounding area are beneficial: located atop a knoll, gently to moderately sloping to the north in the vicinity of the proposed tower facility.
9. Meteorological conditions (incidence of fog, low ceilings, rain, etc.): sunny

10. Habitat types and land use on and adjacent to the site:
- | Habitat Type:        | Acreage: | Percentage of Total: |
|----------------------|----------|----------------------|
| Pine/Hardwood Forest |          | 100                  |

Adjacent land use: Undeveloped forested land uses.

11. Dominant vegetative species in each habitat type:  
Loblolly Pine (*Pinus taeda*)
12. Average diameter breast height of dominant tree species in forested areas:  
Tree species:  
Persimmon seedlings  
Sweet Gum seedlings
13. Will construction at this site cause fragmentation of a larger block of habitat into two or more smaller blocks? Y/N NO If yes, describe:
14. Is evidence of bird roosts or rookeries present? Y/N NO If yes, describe: \_\_\_\_\_
15. Distance to nearest wetland area (forested swamp, marsh, riparian, marine, etc.), and coastline, if applicable: High Rock Lake and Dam is located ~2,100-ft to the northwest. The dam is located ~4,000-ft to the northeast.
16. Distance to nearest telecommunications tower: unknown, none observed in the vicinity at the time of inspection.
17. Potential for co-location of antennas on existing towers or other structures: No
18. Have measures been incorporated for minimizing impacts to migratory birds? Y/N YES If yes, describe: Tower will be of a self support design, therefore, does not involve the use of guyed wires and is anticipated to be equipped with a dual mode medium intensity lighting system.
19. Has an evaluation been made to determine if the proposed facility may affect listed or proposed endangered or threatened species or their habitats as required by FCC regulations at 47 CFR 1.1307(a)(3)? Y/N If yes, present findings: During the on-site investigation, TEP observed no occurrences of Federally Listed Threatened or Endangered Species for Rowan County. It is the opinion of TEP that the proposed facility will not effect threatened or endangered species.
20. Additional information required: \_\_\_\_\_

## U.S. Fish & Wildlife Service

# Endangered Species, Threatened Species, Federal Species of Concern, and Candidate Species,

## Rowan County, North Carolina



Updated: 09-22-2010

Common Name	Scientific name	Federal Status	Record Status
<b>Vertebrate:</b>			
<a href="#">Bald eagle</a>	<i>Haliaeetus leucocephalus</i>	BGPA	Current
Carolina darter	<i>Etheostoma collis collis</i>	FSC	Probable/potential
Robust redhorse	<i>Moxostoma robustum</i>	FSC	Historic
<b>Invertebrate:</b>			
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC	Current
<b>Vascular Plant:</b>			
Georgia aster	<i>Symphyotrichum georgianum</i>	C	Current
Prairie birdsfoot-trefoil	<i>Lotus unifoliolatus</i> var. <i>helleri</i>	FSC	Current
<a href="#">Schweinitz's sunflower</a>	<i>Helianthus schweinitzii</i>	E	Current
Virginia quillwort	<i>Isoetes virginica</i>	FSC	Historic

### Nonvascular Plant:

### Lichen:

### Definitions of Federal Status Codes:

E = endangered. A taxon "in danger of extinction throughout all or a significant portion of its range."

T = threatened. A taxon "likely to become endangered within the foreseeable future throughout all or a significant portion of its range."

C = candidate. A taxon under consideration for official listing for which there is sufficient information to support listing. (Formerly "C1" candidate species.)

BGPA = Bald and Golden Eagle Protection Act. See below.

FSC = federal species of concern. A species under consideration for listing, for which there is insufficient information to support listing at this time. These species may or may not be listed in the future, and many of these species were formerly recognized as "C2" candidate species.

T(S/A) = threatened due to similarity of appearance. A taxon that is threatened due to similarity of

appearance with another listed species and is listed for its protection. Taxa listed as T(S/A) are not biologically endangered or threatened and are not subject to Section 7 consultation. See below. EXP = experimental population. A taxon listed as experimental (either essential or nonessential). Experimental, nonessential populations of endangered species (e.g., red wolf) are treated as threatened species on public land, for consultation purposes, and as species proposed for listing on private land. P = proposed. Taxa proposed for official listing as endangered or threatened will be noted as "PE" or "PT", respectively.

### **Bald and Golden Eagle Protection Act (BGPA):**

In the July 9, 2007 Federal Register( 72:37346-37372), the bald eagle was declared recovered, and removed (de-listed) from the Federal List of Threatened and Endangered wildlife. This delisting took effect August 8,2007. After delisting, the Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668-668d) becomes the primary law protecting bald eagles. The Eagle Act prohibits take of bald and golden eagles and provides a statutory definition of "take" that includes "disturb". The USFWS has developed National Bald Eagle Management Guidelines to provide guidance to land managers, landowners, and others as to how to avoid disturbing bald eagles. For mor information, visit <http://www.fws.gov/migratorybirds/baldeagle.htm>

### **Threatened due to similarity of appearance(T(S/A)):**

In the November 4, 1997 Federal Register (55822-55825), the northern population of the bog turtle (from New York south to Maryland) was listed as T (threatened), and the southern population (from Virginia south to Georgia) was listed as T(S/A) (threatened due to similarity of appearance). The T(S/A) designation bans the collection and interstate and international commercial trade of bog turtles from the southern population. The T(S/A) designation has no effect on land management activities by private landowners in North Carolina, part of the southern population of the species. In addition to its official status as T(S/A), the U.S. Fish and Wildlife Service considers the southern population of the bog turtle as a Federal species of concern due to habitat loss.

### **Definitions of Record Status:**

Current - the species has been observed in the county within the last 50 years.

Historic - the species was last observed in the county more than 50 years ago.

Obscure - the date and/or location of observation is uncertain.

Incidental/migrant - the species was observed outside of its normal range or habitat.

Probable/potential - the species is considered likely to occur in this county based on the proximity of known records (in adjacent counties), the presence of potentially suitable habitat, or both.

# Natural Heritage Program - NHP Map Viewer

## Natural Heritage Program Map Viewer

(Data last updated on August 10, 2012)

Help ( [http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=c2dbaa9f-a40a-4552-bde0-859518c6a30e&groupId=61587](http://portal.ncdenr.org/c/document_library/get_file?uuid=c2dbaa9f-a40a-4552-bde0-859518c6a30e&groupId=61587) )






(Searched on Nov 6, 2012)

Enter an Address

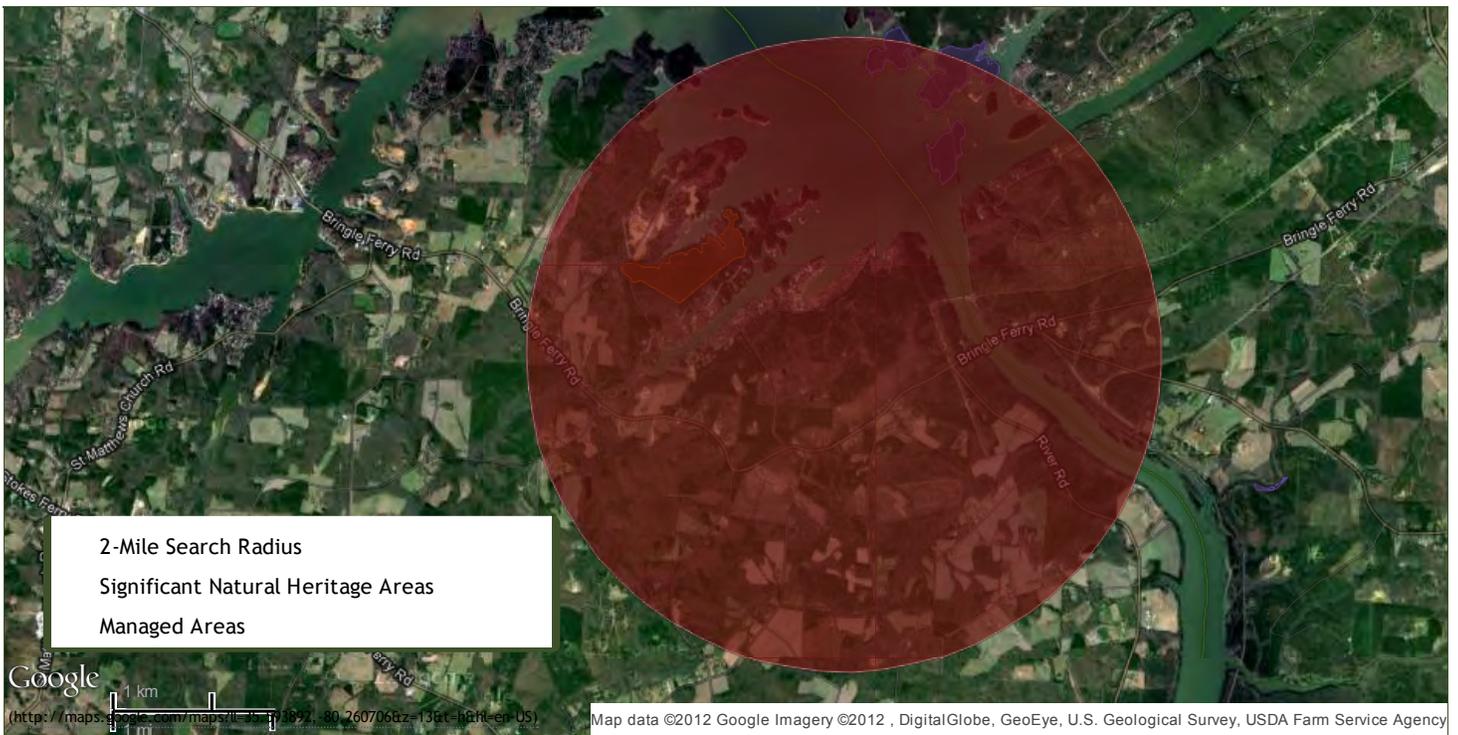
OR

Latitude and Longitude

(decimal degrees)

OR

just click a map location below...



Hide Legend

SHOW RESULTS FOR:  Element Occurrences  Significant Natural Heritage Areas  Managed Areas

Show  entries per page

Filter search results:

Taxonomic Group	Scientific Name	Common Name	EO Status	Accuracy	State Status	Federal Status	State Rank	Global Rank
Vascular Plant	<i>Acmispon helleri</i>	Carolina Birdfoot-trefoil	Current	Medium	SC-V	FSC	S3	G3
Vascular Plant	<i>Amorpha schwerinii</i>	Piedmont Indigo-bush	Current	Medium	SR-T		S3	G3G4
Animal Assemblage	Colonial Wading Bird Colony		Current	Medium			S3	G5
Vertebrate Animal	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Current	Low	T		S3B,S3N	G5
Vertebrate Animal	<i>Myotis leibii</i>	Eastern Small-footed Myotis	Current	Very Low	SC	FSC	S3	G3
Natural Community	Holand Depression Swamp		Current	High			S2S3	G2G3

Natural Community	Upland Depression Swamp		Current	High			2000	2000
	Forest							

Showing 1 to 6 of 6 entries

First Previous **1** Next Last

The Natural Heritage Program Map Viewer provides information on Natural Heritage Program data occurring within a 2-mile radius of a user-selected location. Information is provided on element occurrences, significant natural heritage areas, and managed areas. Below are brief notes on use of the map viewer. For more information on use of the map viewer or for an explanation of the values returned by the search, see the [Help](http://portal.ncdenr.org/c/document_library/get_file?uuid=c2dbaa9f-a40a-4552-bde0-859518c6a30e&groupId=61587) ( [http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=c2dbaa9f-a40a-4552-bde0-859518c6a30e&groupId=61587](http://portal.ncdenr.org/c/document_library/get_file?uuid=c2dbaa9f-a40a-4552-bde0-859518c6a30e&groupId=61587) ).

- Results are displayed for element occurrences by default. To display results for significant natural heritage areas or managed areas, click the appropriate radio button in the "SHOW RESULTS FOR" section above the results table. Locations of element occurrences are not displayed; locations of significant natural heritage areas and managed areas are displayed.
- Clicking on a column name in the results table will sort all entries in that column; clicking a second time on the column name will reverse the sort.
- The results can be further refined by entering a text string in the "Filter search results" field. Entries not containing the text string will be removed from the table of results.
- Clicking the "Download Results" button will give you the option of saving the results table to a comma-separated-values file. This type of file can be opened in most spreadsheet programs, including Microsoft Excel.
- Records for the Blue Ridge Parkway are not included in the shapefile. You must contact the Blue Ridge Parkway if you need information for this area.
- If you have any questions regarding the data contained on the map viewer, contact [Natural Heritage Program staff](http://portal.ncdenr.org/web/nhp/contact) ( <http://portal.ncdenr.org/web/nhp/contact> ) . For technical issues regarding the application, contact the [Conservation Information Manager](#) 

Use of North Carolina Natural Heritage Program data should not be substituted for actual field surveys, particularly if the project area contains suitable habitat for rare species. If a database search lists no records for a project area, it does not necessarily mean that they are not present. The area may not have been surveyed by biologists, or the data may not have been reported to NC Natural Heritage Program.

Information obtained from the North Carolina Natural Heritage Program Map Viewer should be cited as follows: North Carolina Natural Heritage Program Online Map Viewer. [search date]. Department of Environment and Natural Resources, Office of Conservation, Planning, and Community Affairs, Raleigh, NC. Available at: [www.ncnhp.org](http://www.ncnhp.org).



( <http://portal.ncdenr.org/web/nhp> )

North Carolina Natural Heritage Program • 1601 Mail Service Center • Raleigh, NC 27699-1601

N.C. Department of Environment and Natural Resources  
 1601 Mail Service Center, Raleigh, NC 27699-1601  
 Headquarters (Environment and Natural Resources Building): 217 W. Jones St.  
 Archdale Building: 512 N. Salisbury St.  
 Toll Free: (877) 623-6748



### Element Occurrences

TAXO_GROUP	SCI_NAME	COM_NAME	EO_STATUS	ACCURACY	STATE_STAT	FED_STAT	S_RANK	G_RANK	count()
Animal Assemblage	Colonial Wading Bird Colony		Current	Medium			S3	G5	1
Natural Community	Upland Depression Swamp Forest		Current	High			S2S3	G2G3	1
Vascular Plant	Acmispon helleri	Carolina Birdfoot-trefoil	Current	Medium	SC-V	FSC	S3	G3	1
Vascular Plant	Amorpha schwerinii	Piedmont Indigo-bush	Current	Medium	SR-T		S3	G3G4	1
Vertebrate Animal	Haliaeetus leucocephalus	Bald Eagle	Current	Low	T		S3B,S3N	G5	3
Vertebrate Animal	Myotis leibii	Eastern Small-footed Myotis	Current	Very Low	SC	FSC	S3	G3	1

## Managed Areas

MA_NAME	ACRES	OWNER	OWNER_TYPE
Eagle Point Park and Preserve	100.3	Rowan County	Local Government

## Significant Natural Heritage Areas

SITE_NAME	ACRES	SIG	OWNER
High Flat Swamp Forest	32.26	D	PRV
High Flat Swamp Forest	33.27	D	PRV
High Flat Swamp Forest	63.99	D	PRV
High Flat Swamp Forest	0.67	D	PRV

## **Section IV - NEPA Supporting Documentation**



### Communications Tower Review Form

#### I. Applicant Information:

Preparer/Company: George Swearingen/Tower Engineering Professionals, Inc.  
 Address: 3703 Junction Blvd Raleigh, NC 27603  
 Phone/Fax/E-mail: (919) 661-6351/(919) 661-6350/gswearingen@tepgroup.net

For North Carolina HPO  
 Use Only  
 CT 12- 2124

#### II. Tower Information: (Attach copy of USGS map or photocopy of quad on reverse; include 1 and 2 mile radius around site)

Raw Land (New)  Co-Location Applicant's Identification # HP-1127  
 Address: Catfish Road, Richfield 28137  
 County: Rowan, North Carolina FCC Registration No. \_\_\_\_\_  
 Tower type and height: 380 (395 w/ appurt) -SST Quad Name: High Rock

#### III. Identification of Historic Properties

List sites by site number and status: NR = National Register listed; SL = Study List; DOE = Determination of Eligibility;  
 LD = Local Designation; UA = Unassessed

##### Archaeology

# of recorded sites in immediate area of tower: 0

##### Architecture

# of recorded sites within 0.75-mile radius: 2

Surveyed Points  
 RW0772 - Wyatts Grove Baptist Church  
 RW0721 - J. C. Morgan House

#### IV. Additional Information/Investigation Needed:

NO Survey  
NO Testing of sites \_\_\_\_\_  
 Recommended by/on: JESU 11/15/12  
 (Office of State Archaeology)

\_\_\_\_\_ Photo Reconnaissance  
 \_\_\_\_\_ Balloon Test  
 Recommended by/on: [Signature]  
 (Survey & Planning Branch)

#### V. Recommendations/Final Determination:

\_\_\_\_\_ Recommendations for additional work are shown above.

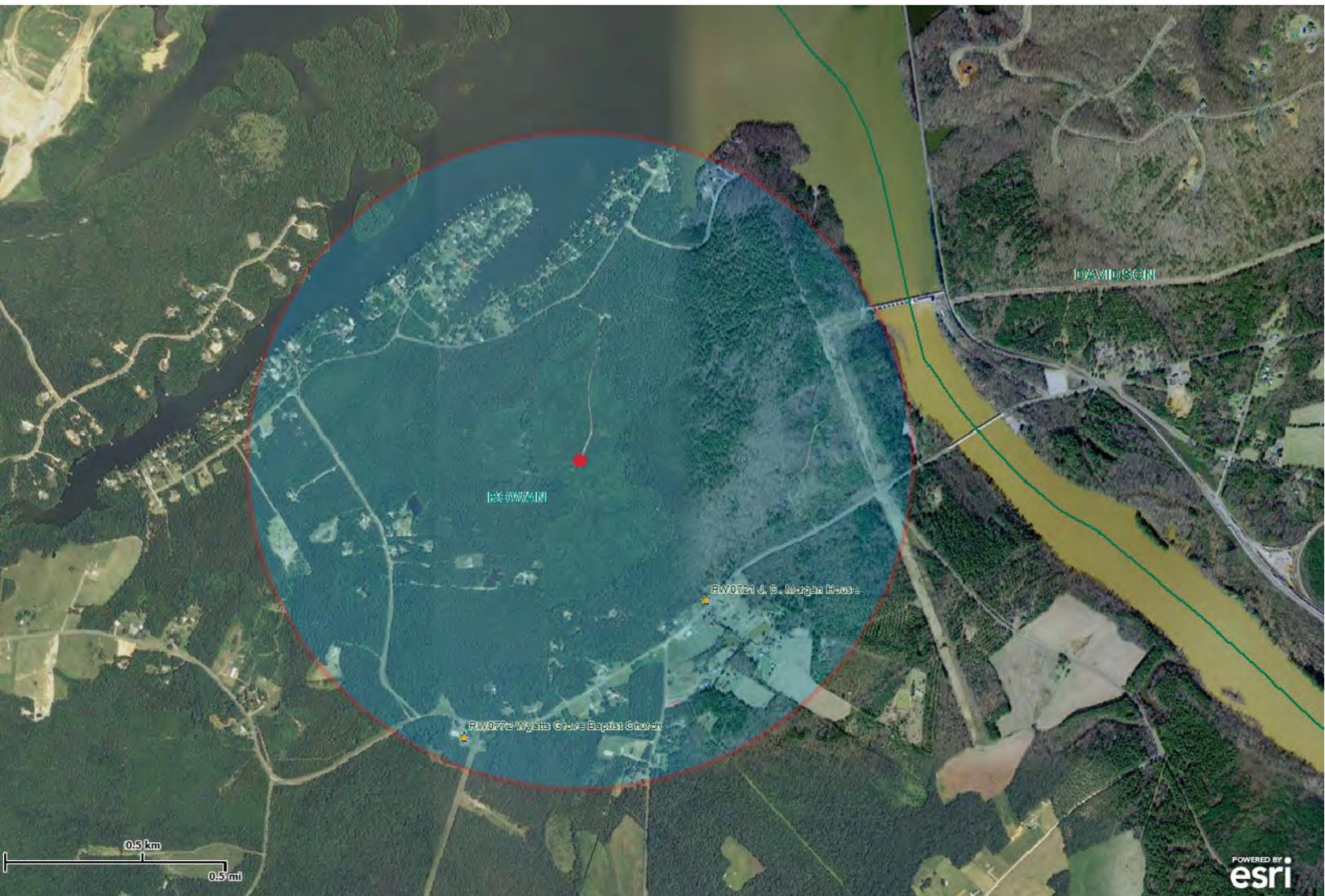
The proposed communication tower will NOT affect historic properties in the area of potential effect.

Renee Gledhill-Earley  
 Renee Gledhill-Earley, Environmental Review Coordinator

11.15.12  
 Date

cc: FCC

# High Rock Lake



## SHPO Results

### Surveyed Points

1. Site ID: RW0772  
County: Rowan  
Site Name: Wyatts Grove Baptist Church  
Description:  
Notes:  
Year Survey: 1977  
Year Update:
2. Site ID: RW0721  
County: Rowan  
Site Name: J. C. Morgan House  
Description:  
Notes:  
Year Survey: 1977  
Year Update:

Drew Blake Tower Engineering Professionals, In  
3703 Junction Boulevard  
Raleigh NC 276035263

# Salisbury Post

## AFFIDAVIT OF PUBLICATION

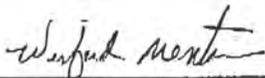
### NORTH CAROLINA ROWAN COUNTY

Before the undersigned a Notary Public of said county and state, duly commissioned, qualified, and authorized by law to administer oaths, personally appeared WINFRED MENTION, who being first duly sworn, deposes and says that he is ASSISTANT ADVERTISING DIRECTOR of the SALISBURY POST, published, issued and entered as second class mail in the City of Salisbury, in said County and State, that he is authorized to make this affidavit and sworn statement, that the notice or other legal advertisement a true copy of which is attached hereto, was published in the SALISBURY POST, on the following dates:

11/15/12 Thu SP  
11/15/12 Thu SPW

and that the said newspaper in which such notice, paper document or legal advertisement was published, at the time of each and every such publication, a newspaper meeting all the requirements and qualifications of Section 1-597 of the General Statutes of North Carolina and was a qualified newspaper within the meaning of Section 1-597 of the General Statutes of North Carolina.

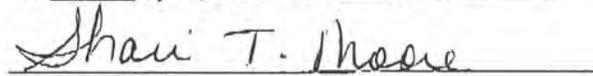
at a cost of \$42.61  
Account# 308202  
NO. 872950 No. 872950 Publ  
P.O. Number:



(signature of person making affidavit)

Sworn and subscribed before me

This 20<sup>th</sup> day of November A.D. 2012



NOTARY PUBLIC

My Commission Expires 2-28-2014

# Salisbury Post

## Ad Authorization

Salesperson: Shari Moore

Printed at 11/13/12 02:20 PM by Moore

**Customer Name** Tower Engineering Professionals, Inc.

**Ad#** 872950

Status: Blocked

**Account Number** 308202

**Account** 308202

Drew Blake Tower Engineering Professionals, Inc.  
3703 Junction Boulevard  
Raleigh NC 276035263

Start 11/15/2012 Stop 11/15/2012  
Number of Insertions 2  
Lines 33.0  
Class 20510 Legal Notices  
Rate 4019 Cost **\$42.61**

Contact 919-610-1274 cell  
Phone  
Email ablake@tepgroup.net  
Agency

Entered by SMOORE on 11/13/12

Last changed SMOORE

Payments:	Date	Method	Card Type	Name on Card	Last 4 Digits	Expire Date	Check Number	Amount Paid
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### No. 872950

**Public Notice:** The North Carolina Department of Public Safety (North Carolina Highway Patrol) proposes the construction of a 380-ft (395-ft with appurtenances) AGL Self-Support Emergency Services Tower located north of a portion of Bringle Ferry Road, south of a portion of Catfish Road, east of a portion of Panther Point Road, and southwest of the Town of Denton, NC (Rowan County) (Parcel ID No. 506-001). Please submit any written comments by 12/15/2012 regarding the potential effects that the proposed tower may have on **Historic Properties that are listed or eligible for inclusion in the National Register of Historic Places** to: Tower Engineering Professionals, Inc.(Attn:George Swearingen) 3703 Junction Blvd. Raleigh, NC 27603 Telephone: (919) 661-6351 Fax: (919) 661-6350

Publication	Start	Stop	Inserts
Salisbury Post	11/15/12	11/15/12	1
Salisbury Post Web	11/15/12	11/15/12	1

11/15/12 Thu SP  
11/15/12 Thu SPW

## AUTHORIZATION

Under this agreement rates are subject to change with 30 days notice. In the event of a cancellation before schedule completion, I understand that the rate charged will be based upon the rate for the number of insertions used.

To our customers: Please check your advertisement the first day it appears in the newspaper and/or online. After the first insertion, the Salisbury Post will not be responsible for further errors. Advertisers should call the Classified Department at 704-797-4220 as soon as seeing an error. Adjustments to charges are made according to any value lost from the incorrect ad.

\_\_\_\_\_  
Name (print or type)

\_\_\_\_\_  
Name (signature)

Drew Blake Tower Engineering Professionals, In  
3703 Junction Boulevard  
Raleigh NC 276035263

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# Salisbury Post

## AFFIDAVIT OF PUBLICATION

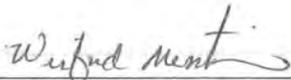
### NORTH CAROLINA ROWAN COUNTY

Before the undersigned a Notary Public of said county and state, duly commissioned, qualified, and authorized by law to administer oaths, personally appeared WINFRED MENTION, who being first duly sworn, deposes and says that he is ASSISTANT ADVERTISING DIRECTOR of the SALISBURY POST, published, issued and entered as second class mail in the City of Salisbury, in said County and State, that he is authorized to make this affidavit and sworn statement, that the notice or other legal advertisement a true copy of which is attached hereto, was published in the SALISBURY POST, on the following dates:

02/28/13 Thu SP  
02/28/13 Thu SPW

and that the said newspaper in which such notice, paper document or legal advertisement was published, at the time of each and every such publication, a newspaper meeting all the requirements and qualifications of Section 1-597 of the General Statutes of North Carolina and was a qualified newspaper within the meaning of Section 1-597 of the General Statutes of North Carolina.

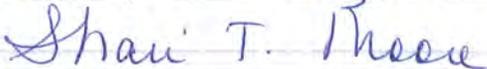
at a cost of \$77.32  
Account# 308202  
NO. 930058 No. 930058 Publ  
P.O. Number:



(signature of person making affidavit)

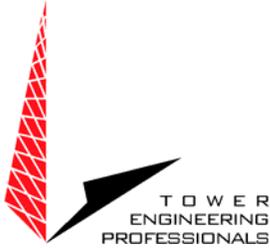
Sworn and subscribed before me

This 28<sup>th</sup> day of February A.D. 2013



NOTARY PUBLIC

My Commission Expires 2-28-2014



February 12, 2013

Rowan County Department of Planning & Development  
402 N. Main Street, Room 204  
Salisbury, NC 28144

Attention: Mr. Shane Stewart - Senior Planner

Subject: Proposed 380-ft Self-Support Communications Tower  
NC Highway Patrol Site: **High Rock Lake**  
**FCC TCNS # 92484**  
Catfish Road  
Richfield, NC  
(Rowan County)

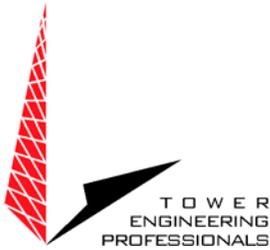
Dear Mr. Stewart,

**Your office originally reviewed and concurred with the construction of the aforementioned facility; however, under the original TCNS# 89358 the site coordinates were incorrect. All the supplemental site specific information (i.e site plans, topographic maps, photo pages, and archaeological survey) accurately depicted the proposed facility. We apologize for any inconvenience this may cause and appreciate your cooperation with this matter.**

Tower Engineering Professionals, Inc. (TEP) of Raleigh, NC has been contracted by the North Carolina Department of Public Safety (North Carolina Highway Patrol) to complete a NEPA Checklist (FCC Compliance Audit) for the aforementioned proposed Emergency Services Communications tower. As part of completion of the Form-620 Submission to the North Carolina Historic Preservation Office as directed by the FCC-Nationwide Programmatic Agreement (FCC-NPA), Tower Engineering Professionals, Inc. is required to contact your office regarding the proposed undertaking. The proposed 380-ft (395-ft with appurtenances) AGL Self Support tower that will be located north of a portion of Bringle Ferry Road, south of a portion of Catfish Road, east of a portion of Panther Point Road, and southwest of the Town of Denton, in southeastern Rowan County, North Carolina. The proposed emergency services tower facility will be located on the southern portion of a 435.64-acre property identified as Parcel ID No. 506-001 by the Rowan County, NC Tax Assessors Office. The proposed 20-ft wide access easement will utilize an existing earthen path which proceeds south from Catfish Road, through previously disturbed forested land uses, for approximately 2,200-ft until reaching the proposed 80-ft x 80-ft lease area. The proposed 30-ft x 38-ft x 10-ft x 46.5-ft x 31-ft x 31-ft fenced tower compound will be located entirely within the proposed 80-ft x 80-ft lease area primarily occupied by fallow land uses associated with a former logging deck.

The proposed area of disturbance associated with the improvement of the existing, previously disturbed, access drive is anticipated to total approximately 44,000 sq. ft. (1-acres). The proposed area of disturbance associated with the 80-ft x 80-ft lease area is anticipated to total approximately 6,400 sq. ft. (0.15-acres). The total proposed area of disturbance associated with

3703 Junction Blvd. Raleigh, NC 27603-5263 O) (919) 661-6351 F) (919) 661-6350  
ablake@tepgroup.net



the improvement of the existing access drive and lease area is anticipated to total approximately 50,400 sq. ft. (1.15-acres). The parcel containing the *subject property* is reportedly owned by Steven & James Bingham and is herein after referred to as the parent property.

The parent property is occupied by fallow and undeveloped forested land uses associated with previous timber harvest operations and is located in a portion of Rowan County where the majority of the surrounding area is occupied by low density residential, agricultural, and undeveloped forested land uses.

The 1-A coordinates of the tower location are as follows:

Latitude: N 35° 35' 44.034" (NAD 83)

Longitude: W 80° 14' 51.596" (NAD 83)

TEP contracted R.S. Webb and Associates, a cultural resources consulting firm, to perform an Archaeological Evaluation of the site, to make an assessment of the potential direct effects the proposed tower may have on archaeological resources. The Archaeological Evaluation has been included for your review.

Additionally, TEP personnel conducted research utilizing the North Carolina State Historic Preservation Office HPOWEB GIS Service, resulting in the identification of two historic properties within the designated 0.75-mile FCC visual APE; however, these properties have been determined ineligible for inclusion in the National Register of Historic Places.

It is the position of TEP that the proposed tower construction will have “no effect” on sites eligible for or listed on the National Register of Historic Places within the APE; however, we would appreciate any comments that you may have on the proposed activity regarding the possible impacts that the proposed facility may have on Historic Properties. Please provide any comments within thirty days of the receipt of this documentation. A portion of the pertinent 7.5-minute (**High Rock**) topographic map that depicts the proposed tower location, NCSHPO Map, NCSHPO Results, site plan, and site photographs have been included for your review.

If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

A handwritten signature in black ink that reads "Andrew B. Blake".

Andrew B. Blake  
Environmental Scientist II  
Tower Engineering Professionals, Inc.



## Rowan County Planning and Development Department

402 North Main Street • Salisbury, N.C. 28144-4341

Planning: 704-216-8588 Fax: 704-638-3130

November 29, 2012

Mr. Andrew Blake  
Environmental Scientist II  
Tower Engineering Professionals  
3703 Junction Blvd  
Raleigh, NC 27603-5263

RECEIVED  
DEC 3 - 2012

BY: .....

Re: High Rock Lake Public Safety Tower  
Tax Parcel 506-001

Mr. Blake:

Our office received your November 7, 2012 letter requesting comments regarding potential impacts on historic properties from a proposed 380 foot public safety tower off Catfish Road on Rowan County Tax Parcel 506-001. According to our records, Rowan County does not have any locally designated historic landmarks within the referenced  $\frac{3}{4}$  mile Area of Potential Effects. Based on the project scope, it does appear the project would require an erosion control plan submittal to either Greg Greene, Environmental Specialist with the Rowan County Environmental Management Department (704.216.8591) or the Mooresville Regional Office of the North Carolina Department of Environment and Natural Resources (704.663.1699).

If you have any questions regarding this, I may be reached at the above listed number.

Sincerely,

Shane Stewart  
Senior Planner

cc via email: Ed Muire, Director of Planning & Development  
Rob Robinson, Director of Telecommunications  
Greg Greene, Environmental Specialist



## Rowan County Planning and Development Department

402 North Main Street • Salisbury, N.C. 28144-4341

Planning: 704-216-8588 Fax: 704-638-3130

February 13, 2013

Mr. Andrew Blake  
Environmental Scientist II  
Tower Engineering Professionals  
3703 Junction Blvd  
Raleigh, NC 27603-5263

Re: Revision to TCNS# 89358  
High Rock Lake Public Safety Tower  
Tax Parcel 506-001

Mr. Blake:

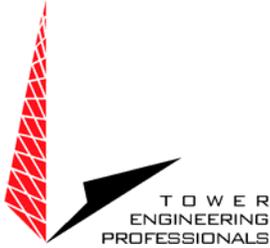
We received your letter referencing the incorrect site coordinate information but understand that the supporting documentation presented was accurate. As such, please allow this letter to serve as our acknowledgement of this error and our previous letter dated November 29, 2012 to remain as our response to the proposed tower.

If you have any questions regarding this, I may be reached at the above listed number.

Sincerely,

Shane Stewart  
Senior Planner

cc via email: Ed Muire, Director of Planning & Development  
Rob Robinson, Director of Telecommunications  
Greg Greene, Environmental Specialist



February 12, 2013

Rowan County Department of  
Planning & Development  
402 North Main Street  
Salisbury, NC 28144

Attention: Ms. Merry Lane Lauder – Chairwoman  
Rowan County Historic Landmarks Commission

Subject: Proposed 380-ft Self-Support Communications Tower  
NC Highway Patrol Site: **High Rock Lake**  
**FCC TCNS # 92484**  
Catfish Road  
Richfield, NC  
(Rowan County)

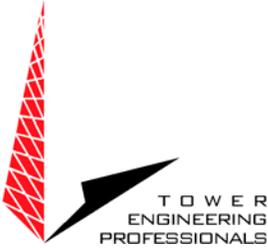
Dear Ms. Lauder,

**Your office originally reviewed and concurred with the construction of the aforementioned facility; however, under the original TCNS# 89358 the site coordinates were incorrect. All the supplemental site specific information (i.e site plans, topographic maps, photo pages, and archaeological survey) accurately depicted the proposed facility. We apologize for any inconvenience this may cause and appreciate your cooperation with this matter.**

Tower Engineering Professionals, Inc. (TEP) of Raleigh, NC has been contracted by the North Carolina Department of Public Safety (North Carolina Highway Patrol) to complete a NEPA Checklist (FCC Compliance Audit) for the aforementioned proposed Emergency Services Communications tower. As part of completion of the Form-620 Submission to the North Carolina Historic Preservation Office as directed by the FCC-Nationwide Programmatic Agreement (FCC-NPA), Tower Engineering Professionals, Inc. is required to contact your office regarding the proposed undertaking. The proposed 380-ft (395-ft with appurtenances) AGL Self Support tower that will be located north of a portion of Bringle Ferry Road, south of a portion of Catfish Road, east of a portion of Panther Point Road, and southwest of the Town of Denton, in southeastern Rowan County, North Carolina. The proposed emergency services tower facility will be located on the southern portion of a 435.64-acre property identified as Parcel ID No. 506-001 by the Rowan County, NC Tax Assessors Office. The proposed 20-ft wide access easement will utilize an existing earthen path which proceeds south from Catfish Road, through previously disturbed forested land uses, for approximately 2,200-ft until reaching the proposed 80-ft x 80-ft lease area. The proposed 30-ft x 38-ft x 10-ft x 46.5-ft x 31-ft x 31-ft fenced tower compound will be located entirely within the proposed 80-ft x 80-ft lease area primarily occupied by fallow land uses associated with a former logging deck.

The proposed area of disturbance associated with the improvement of the existing, previously disturbed, access drive is anticipated to total approximately 44,000 sq. ft. (1-acres). The proposed

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ablake@tepgroup.net



area of disturbance associated with the 80-ft x 80-ft lease area is anticipated to total approximately 6,400 sq. ft. (0.15-acres). The total proposed area of disturbance associated with the improvement of the existing access drive and lease area is anticipated to total approximately 50,400 sq. ft. (1.15-acres). The parcel containing the *subject property* is reportedly owned by Steven & James Bingham and is herein after referred to as the parent property.

The parent property is occupied by fallow and undeveloped forested land uses associated with previous timber harvest operations and is located in a portion of Rowan County where the majority of the surrounding area is occupied by low density residential, agricultural, and undeveloped forested land uses.

The 1-A coordinates of the tower location are as follows:

Latitude: N 35° 35' 44.034" (NAD 83)

Longitude: W 80° 14' 51.596" (NAD 83)

TEP contracted R.S. Webb and Associates, a cultural resources consulting firm, to perform an Archaeological Evaluation of the site, to make an assessment of the potential direct effects the proposed tower may have on archaeological resources. The Archaeological Evaluation has been included for your review.

Additionally, TEP personnel conducted research utilizing the North Carolina State Historic Preservation Office HPOWEB GIS Service, resulting in the identification of two historic properties within the designated 0.75-mile FCC visual APE; however, these properties have been determined ineligible for inclusion in the National Register of Historic Places.

It is the position of TEP that the proposed tower construction will have “no effect” on sites eligible for or listed on the National Register of Historic Places within the APE; however, we would appreciate any comments that you may have on the proposed activity regarding the possible impacts that the proposed facility may have on Historic Properties. Please provide any comments within thirty days of the receipt of this documentation. A portion of the pertinent 7.5-minute (**High Rock**) topographic map that depicts the proposed tower location, NCSHPO Map, NCSHPO Results, site plan, and site photographs have been included for your review.

If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

A handwritten signature in black ink that reads "Andrew B. Blake".

Andrew B. Blake  
Environmental Scientist II  
Tower Engineering Professionals, Inc.



February 12, 2013

Rowan County Historic Properties Commission  
402 N Main Street  
Salisbury NC 28144

Attention: Mr. Andy Goodall - Planner I

Subject: Proposed 380-ft Self-Support Communications Tower  
NC Highway Patrol Site: **High Rock Lake**  
**FCC TCNS # 92484**  
Catfish Road  
Richfield, NC  
(Rowan County)

Dear Mr. Goodall,

**Your office originally reviewed and concurred with the construction of the aforementioned facility; however, under the original TCNS# 89358 the site coordinates were incorrect. All the supplemental site specific information (i.e site plans, topographic maps, photo pages, and archaeological survey) accurately depicted the proposed facility. We apologize for any inconvenience this may cause and appreciate your cooperation with this matter.**

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ablake@tepgroup.net



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Sincerely,

A handwritten signature in black ink that reads "Andrew B. Blake". The signature is written in a cursive, flowing style.

Andrew B. Blake  
Environmental Scientist II  
Tower Engineering Professionals, Inc.

## Andrew Blake

---

**From:** Stewart, Shane A. <Shane.Stewart@rowancountync.gov>  
**Sent:** Wednesday, February 13, 2013 11:44 AM  
**To:** Andrew Blake  
**Subject:** RE: High Rock Lake Tower Site

Our department staffs that Commission. Our letter should serve as their response as well.

Thank You



Shane Stewart | Senior Planner  
**Rowan County Department of Planning & Development**  
**402 N Main St, Suite 204, Salisbury, NC 28144**  
Main (704) 216-8588 [www.rowancountync.gov](http://www.rowancountync.gov)

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**From:** Andrew Blake [<mailto:ablake@tepgroup.net>]  
**Sent:** Wednesday, February 13, 2013 11:37 AM  
**To:** Stewart, Shane A.  
**Subject:** RE: High Rock Lake Tower Site

Mr. Stewart,

Thank you for your response. I have one question I also previously contacted the Rowan County Historic Landmarks Commission and the Rowan County Historic Properties Commission regarding the proposed tower. Would your specific department also respond to those letters as the contact information includes the Planning and Development Department. I'm trying to make sure not to coact the same entity twice.

Thank you,

Drew Blake

**Environmental Scientist II | Tower Engineering Professionals, Inc.** ([www.tepgroup.net](http://www.tepgroup.net))  
3703 Junction Boulevard | Raleigh, NC 27603-5263 | Office: (919) 661-6351 | Fax: (919) 661-6350 | Mobile: (919) 610-1274

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**From:** Stewart, Shane A. [<mailto:Shane.Stewart@rowancountync.gov>]  
**Sent:** Wednesday, February 13, 2013 11:32 AM  
**To:** Andrew Blake  
**Cc:** Muire, Ed D.; Robinson, Rob L.; Greene, Greg  
**Subject:** RE: High Rock Lake Tower Site

Mr. Blake

Please find the attached email scan. Hard copy to follow.



Shane Stewart | Senior Planner  
**Rowan County Department of Planning & Development**  
**402 N Main St, Suite 204, Salisbury, NC 28144**  
Main (704) 216-8588 [www.rowancountync.gov](http://www.rowancountync.gov)

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**From:** Andrew Blake [<mailto:ablake@tepgroup.net>]

**Sent:** Tuesday, February 12, 2013 3:58 PM

**To:** Stewart, Shane A.

**Subject:** High Rock Lake Tower Site

Mr. Stewart,

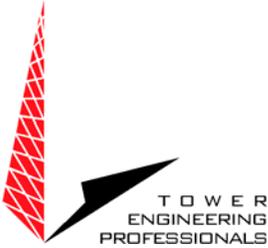
Please find the attached information packet regarding the tower that we spoke about over the phone. Please provide any comments or concerns that you may have. I apologize for any inconvenience that this may cause and sincerely appreciate your understanding and cooperation with this issue.

Thank you,

Drew Blake

**Environmental Scientist II | Tower Engineering Professionals, Inc.** ([www.tepgroup.net](http://www.tepgroup.net))

3703 Junction Boulevard | Raleigh, NC 27603-5263 | Office: (919) 661-6351 | Fax: (919) 661-6350 | Mobile: (919) 610-1274



February 12, 2013

Rowan Museum, Inc.  
202 North Main St.  
Salisbury, NC 28144

Attention: Ms. Kaye Brown Hirst - Executive Director

Subject: Proposed 380-ft Self-Support Communications Tower  
NC Highway Patrol Site: **High Rock Lake**  
**FCC TCNS # 92484**  
Catfish Road  
Richfield, NC  
(Rowan County)

Dear Ms. Hirst,

**Your office originally reviewed and concurred with the construction of the aforementioned facility; however, under the original TCNS# 89358 the site coordinates were incorrect. All the supplemental site specific information (i.e site plans, topographic maps, photo pages, and archaeological survey) accurately depicted the proposed facility. We apologize for any inconvenience this may cause and appreciate your cooperation with this matter.**

Tower Engineering Professionals, Inc. (TEP) of Raleigh, NC has been contracted by the North Carolina Department of Public Safety (North Carolina Highway Patrol) to complete a NEPA Checklist (FCC Compliance Audit) for the aforementioned proposed Emergency Services Communications tower. As part of completion of the Form-620 Submission to the North Carolina Historic Preservation Office as directed by the FCC-Nationwide Programmatic Agreement (FCC-NPA), Tower Engineering Professionals, Inc. is required to contact your office regarding the proposed undertaking. The proposed 380-ft (395-ft with appurtenances) AGL Self Support tower that will be located north of a portion of Bringle Ferry Road, south of a portion of Catfish Road, east of a portion of Panther Point Road, and southwest of the Town of Denton, in southeastern Rowan County, North Carolina. The proposed emergency services tower facility will be located on the southern portion of a 435.64-acre property identified as Parcel ID No. 506-001 by the Rowan County, NC Tax Assessors Office. The proposed 20-ft wide access easement will utilize an existing earthen path which proceeds south from Catfish Road, through previously disturbed forested land uses, for approximately 2,200-ft until reaching the proposed 80-ft x 80-ft lease area. The proposed 30-ft x 38-ft x 10-ft x 46.5-ft x 31-ft x 31-ft fenced tower compound will be located entirely within the proposed 80-ft x 80-ft lease area primarily occupied by fallow land uses associated with a former logging deck.

The proposed area of disturbance associated with the improvement of the existing, previously disturbed, access drive is anticipated to total approximately 44,000 sq. ft. (1-acres). The proposed area of disturbance associated with the 80-ft x 80-ft lease area is anticipated to total approximately 6,400 sq. ft. (0.15-acres). The total proposed area of disturbance associated with

3703 Junction Blvd. Raleigh, NC 27603-5263 O) (919) 661-6351 F)(919) 661-6350  
ablake@tepgroup.net



the improvement of the existing access drive and lease area is anticipated to total approximately 50,400 sq. ft. (1.15-acres). The parcel containing the *subject property* is reportedly owned by Steven & James Bingham and is herein after referred to as the parent property.

The parent property is occupied by fallow and undeveloped forested land uses associated with previous timber harvest operations and is located in a portion of Rowan County where the majority of the surrounding area is occupied by low density residential, agricultural, and undeveloped forested land uses.

The 1-A coordinates of the tower location are as follows:

Latitude: N 35° 35' 44.034" (NAD 83)

Longitude: W 80° 14' 51.596" (NAD 83)

TEP contracted R.S. Webb and Associates, a cultural resources consulting firm, to perform an Archaeological Evaluation of the site, to make an assessment of the potential direct effects the proposed tower may have on archaeological resources. The Archaeological Evaluation has been included for your review.

Additionally, TEP personnel conducted research utilizing the North Carolina State Historic Preservation Office HPOWEB GIS Service, resulting in the identification of two historic properties within the designated 0.75-mile FCC visual APE; however, these properties have been determined ineligible for inclusion in the National Register of Historic Places.

It is the position of TEP that the proposed tower construction will have “no effect” on sites eligible for or listed on the National Register of Historic Places within the APE; however, we would appreciate any comments that you may have on the proposed activity regarding the possible impacts that the proposed facility may have on Historic Properties. Please provide any comments within thirty days of the receipt of this documentation. A portion of the pertinent 7.5-minute (**High Rock**) topographic map that depicts the proposed tower location, NCSHPO Map, NCSHPO Results, site plan, and site photographs have been included for your review.

If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

A handwritten signature in black ink that reads "Andrew B. Blake".

Andrew B. Blake  
Environmental Scientist II  
Tower Engineering Professionals, Inc.

## Andrew Blake

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**From:** Andrew Blake  
**Sent:** Wednesday, February 13, 2013 11:23 AM  
**To:** Andrew Blake  
**Subject:** RE: High Rock Lake Tower Site

**From:** "Ratzlaff, Allen" <[allen\\_ratzlaff@fws.gov](mailto:allen_ratzlaff@fws.gov)>  
**Date:** February 13, 2013, 11:12:15 AM EST  
**To:** George Swearingen <[gswearingen@tepgroup.net](mailto:gswearingen@tepgroup.net)>  
**Subject:** High Rock Lake Tower Site

Mr Swearingen,

Thank you for informing us about the inaccuracy of the latitude/longitude given in your letter of November 12, 2012 for the subject tower. We based our comments on the map provided with the letter and not the stated latitude and longitude so the error was not relevant to our comments and our comments remain valid.

Please call me if you have any questions.

--

Allen Ratzlaff  
Fish and Wildlife Biologist  
U.S. Fish and Wildlife Service  
160 Zillicoa Street  
Asheville, NC 28801

828-258-3939. x229



## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

Asheville Field Office  
160 Zillicoa Street  
Asheville, North Carolina 28801

November 20, 2012

Mr. Andrew B. Blake  
Tower Engineering Professionals  
3703 Junction Boulevard  
Raleigh, NC 27603-5263

Dear Mr. Blake:

We have reviewed your letter dated November 12, 2012 (received November 15, 2012), concerning the proposed construction of a communications tower southwest of High Rock Lake dam in Rowan County, North Carolina. We previously commented on this project in a letter to Tower Engineering Professionals dated August 1, 2011. The following comments are provided in accordance with the provisions of the National Environmental Policy Act (42 U.S.C. §4321 et seq.); the Migratory Bird Treaty Act, as amended (16 U.S.C. 703) (MBTA); the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668c) (BGEPA), and section 7 of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531-1543) (Act).

**Proposed Project.** We previously commented on this project in a letter to Tower Engineering Professionals dated August 1, 2011. The proposed tower has since been relocated about 0.65 miles to the southwest of the original site “. . . in an effort to reduce impacts to migratory birds within the vicinity of High Rock Lake.” Additionally, the proposed High Rock Lake tower has been reduced by 100-ft in height from 480-ft (495-ft with appurtenances) to a new height of 380-ft (395-ft with appurtenances). The new site is about 30 higher than the previous site (at about 770-775 above mean sea level) and, though not specified in your letter, we will be lit in the same manner as the previously proposed tower (Your letter contained the *Communications Tower Site Evaluation Form* for the previous site).

The proposed 20-ft wide access easement will use an existing earthen path which proceeds south from Catfish Road, through recently clear-cut forested land uses, for about 2,200-ft until reaching the proposed 80-ft x 80-ft lease area. Minor improvement to the existing earthen access road will be required (graveling of small portions). The proposed 80-ft x 80-ft lease area is primarily fallow land associated with a former logging deck.

**Endangered Species.** Based on the information provided in your letter, we concur with your conclusion that the proposed communications tower will not affect any federally listed endangered or threatened species, any formally designated critical habitat, or any species

currently proposed for federal listing under the Act. Therefore, we believe the requirements of section 7 of the Act have been satisfied. We remind you that obligations under section 7 must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner not previously considered, (2) this action is subsequently modified in a manner that was not considered in this review, or (3) a new species is listed or critical habitat is determined that may be affected by the identified action.

**Migratory Birds.** As you are undoubtedly aware, communications towers (including radio, television, cellular, and microwave) can pose a hazard to both resident and migratory birds, especially birds that migrate at night. We are concerned about the cumulative effects to migratory birds, particularly the some 350 species that migrate at night, from the increasing number of towers being built by the communications industry (increasing at an estimated 6 to 8 percent annually). Towers 200 feet high and taller, such as the one you are proposing, are particularly hazardous, and those with lighting have even higher rates of avian mortality. Though the proposed tower has been relocated further from High Rock Lake (which should reduce the likelihood of bird strikes), because it remains in relatively close proximity to this large water body (which has a very high waterfowl use during both the spring and fall migrations), we still have concerns. Also, there are several heron/egret rookeries very near the proposed tower site. Estimated mortality rates from communications towers are well over 5 million birds per year nationally, which violates the spirit and intent of the MBTA and the Code of Federal Regulations at Part 50 (designed to implement the MBTA). Some of the species affected are also protected under the Endangered Species Act and the Bald and Golden Eagle Act (see below).

The MBTA (16 U.S.C. 703-712) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Department of the Interior. While the MBTA has no provisions for allowing incidental take, we recognize that some migratory birds may be killed at structures such as communications towers even if all reasonable measures to avoid harm to them are implemented.

To minimize avian strikes on this tower, we recommend the following mitigative measures (Your letter contained the *Communications Tower Site Evaluation Form* for the previous site, so some of these measures may be planned for implementation). These guidelines have been developed by U.S. Fish and Wildlife Service (Service) personnel from research conducted in several eastern, midwestern, and southern states and have been refined through regional review. They are based on the best information available at this time and are the most prudent and effective measures for avoiding bird strikes at towers. As new information becomes available, these guidelines will be updated accordingly.

#### Communications Tower Construction Guidelines to Protect Migratory Birds:

- Collocate equipment on existing towers (or other structure).
- Build the structure less than 199 feet above ground level.

- Site new towers within existing “antenna farms” (clusters of towers). Towers should not be sited near wetlands, other known bird concentration areas (e.g., state or federal wildlife refuges, staging areas, rookeries), in known migratory or daily movement flyways, or in the habitat of endangered or threatened species. Towers should not be sited in areas with a high incidence of fog, mist, or low ceilings.
- Construct towers so they can accommodate possible future collocations of antennas.
- Use red or white (preferable) strobe lights instead of flashing lights. The use of solid red or pulsating red warning lights at night should be avoided; current research indicates that these lights attract birds at a much higher rate than white strobe lights.
- Use the minimum amount of lighting, the minimum intensity of lighting, and the minimum number of strobe flashes allowed with the minimum strobe flash duration under Federal Communications Commission/Federal Aviation Administration regulations.
- Minimize security lighting for on-ground facilities and ensure that such lighting points downward or is down-shielded.
- Illuminate the tower with additional daytime white strobes (in addition to the tower top) to further increase the visibility of the tower to birds and thereby decrease the potential for blind strikes.

In order to obtain information on the usefulness of these guidelines in preventing bird strikes and to identify any recurring problems with their implementation that may necessitate modifications, please advise us of the final location and specifications of the proposed tower and which of the above recommendations are implemented. **If any of the reasonable measures cannot be implemented, please explain why they are not feasible.**<sup>1</sup>

As mentioned previously, the take of even one bird may constitute a violation of the MBTA. However, issuance of a permit is problematic as the number and species of birds that might be

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<sup>1</sup>A Communications Tower Working Group composed of government agencies, industry, academic researchers, and environmental organizations has been formed to develop and implement a research protocol to determine the best ways to construct and operate towers to prevent bird strikes. Until the research is completed or until research efforts uncover significant new mitigative measures, the guidelines listed above will be used to mitigate and minimize bird strikes.

“taken” are unknown and likely inconsistent.<sup>2</sup> We recommend a monitoring program to examine site-specific avian migration at the tower site as well as the collection of birds from tower-induced mortality. This study will help clarify the actual impacts of this and other similar towers to avian mortality and also will help us recommend measures to reduce or eliminate any particular risks identified. Sampling should be focused during times of peak bird migration (April and September) and after significant weather events (storms and fog). We are available to assist in the design of a monitoring plan.

To assist us in assessing the effects of bird strikes to towers of this nature in this area, we request written permission for our employees and/or designees to access the property at the base of the tower to inspect for avian mortality. Access might occur at regular or random intervals and/or following weather events known to induce avian strikes.

**Bald and Golden Eagle Protection Act<sup>3</sup>.** Bald eagles were removed from the federal list of threatened and endangered species on August 9, 2007, and are no longer protected under the Endangered Species Act. However, bald eagles remain protected under the MBTA and Bald and Golden Eagle Protection Act. Bald eagles remain susceptible to harm by disturbance because of the prominence of their nests and communal roosts and need continued conservation so that their population remains healthy. Bald Eagles are found year-round at High Rock Lake. There is at least one active nest on the lake and many eagles use the lake in winter as a feeding site. The

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<sup>2</sup>The Service’s Division of Law Enforcement carries out its mission to protect migratory birds not only through investigation and enforcement but also through fostering relationships with individuals and industries who proactively seek to eliminate their impacts on migratory birds. While it is not possible under the MBTA to absolve individuals or companies from liability, if they follow these recommended guidelines, the Division of Law Enforcement and the Department of Justice have used enforcement and prosecutorial discretion in the past regarding individuals or companies who have made good-faith efforts to avoid the take of migratory birds.

<sup>3</sup> The Bald and Golden Eagle Protection Act (16 U.S.C. 668-668c) prohibits anyone, without a permit issued by the Secretary of the Interior, from "taking" bald eagles, including their parts, nests, or eggs. The BGEPA provides criminal penalties for persons who "take, possess, sell, purchase, barter, offer to sell, purchase or barter, transport, export or import, at any time or any manner, any bald eagle ... [or any golden eagle], alive or dead, or any part, nest, or egg thereof." The BGEPA defines "take" as "pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest or disturb."

For purposes of these guidelines, "disturb" means: "to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior." In addition to immediate impacts, this definition also covers impacts that result from human-induced alterations initiated around a previously used nest site during a time when eagles are not present, if, upon the eagle's return, such alterations agitate or bother an eagle to a degree that interferes with or interrupts normal breeding, feeding, or sheltering habits, and causes injury, death or nest abandonment.

A violation of the Act can result in a fine of \$100,000 (\$200,000 for organizations), imprisonment for one year, or both, for a first offense. Penalties increase substantially for additional offenses, and a second violation of this Act is a felony.

proposed tower could pose a hazard to eagles (result in “take”). We recommend relocating the tower to a site that poses less of a hazard to bald eagles and migratory birds. However, if you decided to construct the tower at the proposed location, the U.S. Fish and Wildlife Service has developed the following management practices (in addition to those previously described for migratory birds) that can be used to protect and benefit bald eagles. Many of these recommendations are designed to protect and preserve bald eagle habitat.

1. Protect and preserve potential roost and nest sites by retaining mature trees and old growth stands, particularly within ½ mile from water.
2. To avoid collisions, site wind turbines, communication towers and high voltage transmission power lines away from nests, foraging areas, and communal roost sites.
3. Employ industry-accepted best management practices to prevent birds from colliding with or being electrocuted by utility lines, towers and poles. If possible, bury utility lines in important eagle areas.
4. Where bald eagles are likely to nest in human-made structures (e.g., cell phone towers) and such use could impede operation or maintenance of the structures or jeopardize the safety of the eagles, equip the structures with either (1) devices engineered to discourage bald eagles from building nests, or (2) nesting platforms that will safely accommodate bald eagle nests without interfering with structure performance.

Please note that even if all possible measures are employed to prevent negative impacts to bald eagles, should “take” occur, without a permit<sup>4</sup>, it is up to the discretion of the U.S. Fish and Wildlife Service’s Division of Law Enforcement as to whether to pursue legal action.

Thank you for informing us about this proposed project. If you have any questions about our comments, please contact Mr. Allen Ratzlaff of our staff at 828/258-3939, Ext. 229. In any future correspondence pertaining to this project, please reference our Log Number 4-2-11-279.

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<sup>4</sup> A permit can be issued for taking eagles when the take is associated with, but not the purpose of, an activity and cannot practicably be avoided. We refer to this type of take as "non-purposeful take." Authorization is subject to conditions to minimize impacts. The regulation authorizing non-purposeful take permits for bald and golden eagles can be found in the Code of the Federal Register [50 CFR 22.26](#)



North Carolina Department of Environment and Natural Resources  
Office of Conservation, Planning, and Community Affairs

Pat McCrory  
Governor

Linda Pearsall  
Director

John E. Skvarla, III  
Secretary

February 15, 2013

Mr. Andrew Blake  
Tower Engineering Professionals  
3703 Junction Boulevard  
Raleigh, NC 27603

RE: Revised review for proposed 380-ft. self Support Emergency Services Tower, NC Highway Patrol  
VIPER Site: High Rock Lake, Richfield, NC

Dear Mr. Blake,

Thank you for contacting the North Carolina Natural Heritage Program (NHP) about records of rare species, natural communities, or Significant Natural Heritage Areas (SNHAs) within the vicinity of the proposed Self Support Emergency Services Tower Rowan County. NHP has no records of conservation lands, natural communities, federally or state endangered, threatened, special concern, or significantly rare species within the boundaries of the proposed project and there are no records within one mile of the site.

Please note that although our maps do not show records of natural heritage elements within the project area, it does not necessarily mean that they are not present. It may simply mean that the area has not been surveyed. The use of Natural Heritage Program data should not be substituted for actual field surveys, particularly if the project area contains suitable habitat for rare species, important natural communities, or priority natural areas.

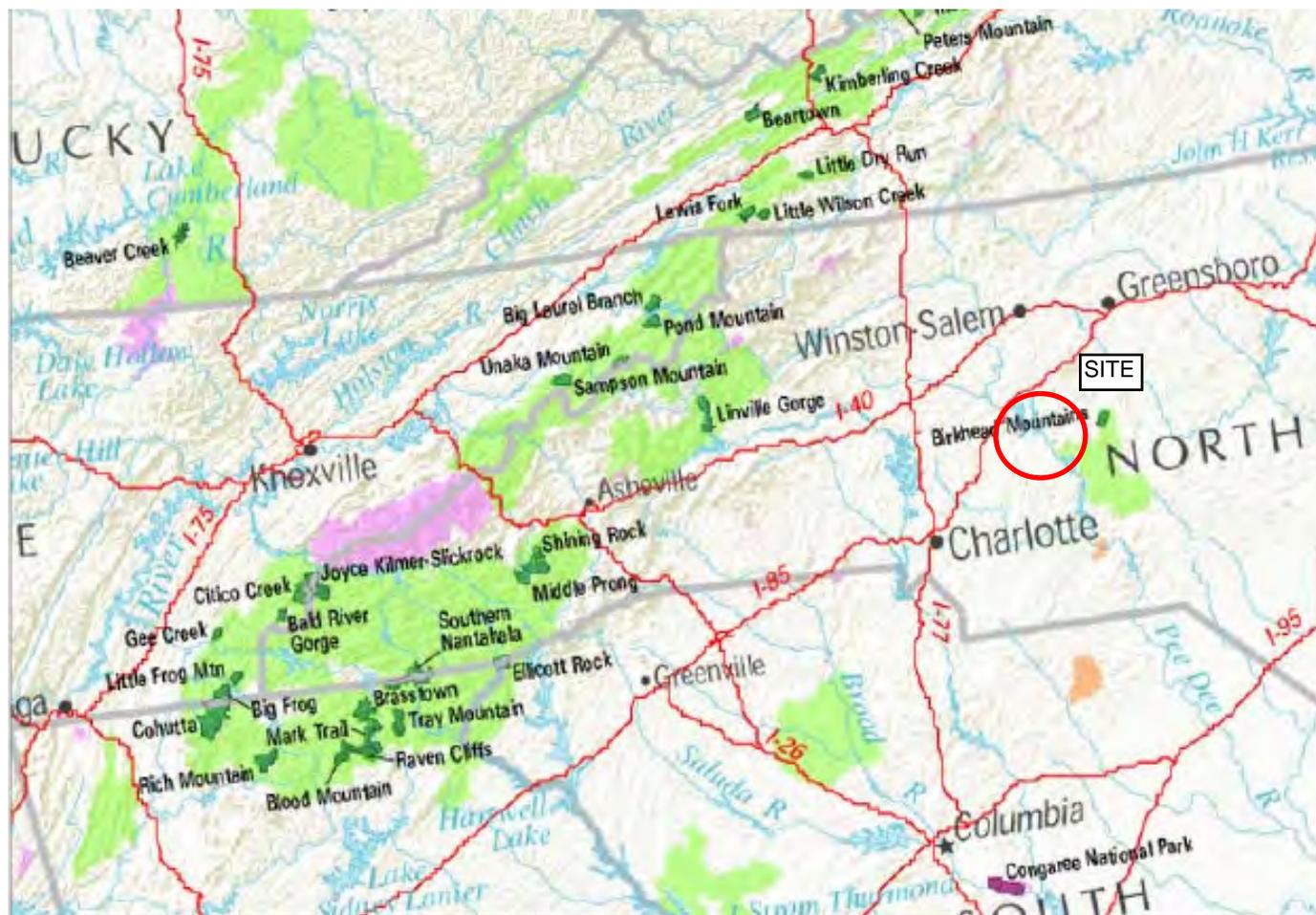
You may wish to visit the Natural Heritage Program's new Data Services website (<http://portal.ncdenr.org/web/nhp/data-services>) to access NHP information on rare species, natural communities, significant natural areas, and land managed for conservation in the vicinity of your project area. You can use the NHP Map Viewer to search for records within 2 miles of your project area, or the Database Search tool for record summaries by county and USGS 7.5-minute topo map. You can also download GIS shapefiles of our data; see the GIS Download page for details. For instructions on how to submit site-specific requests, please see the Request Information page (<http://portal.ncdenr.org/web/nhp/request-information>).

Please contact me at 919-707-8647 or [laura.gadd@ncdenr.gov](mailto:laura.gadd@ncdenr.gov) if you have any questions.

Sincerely,

Laura Gadd, Botanist  
NC Natural Heritage Program

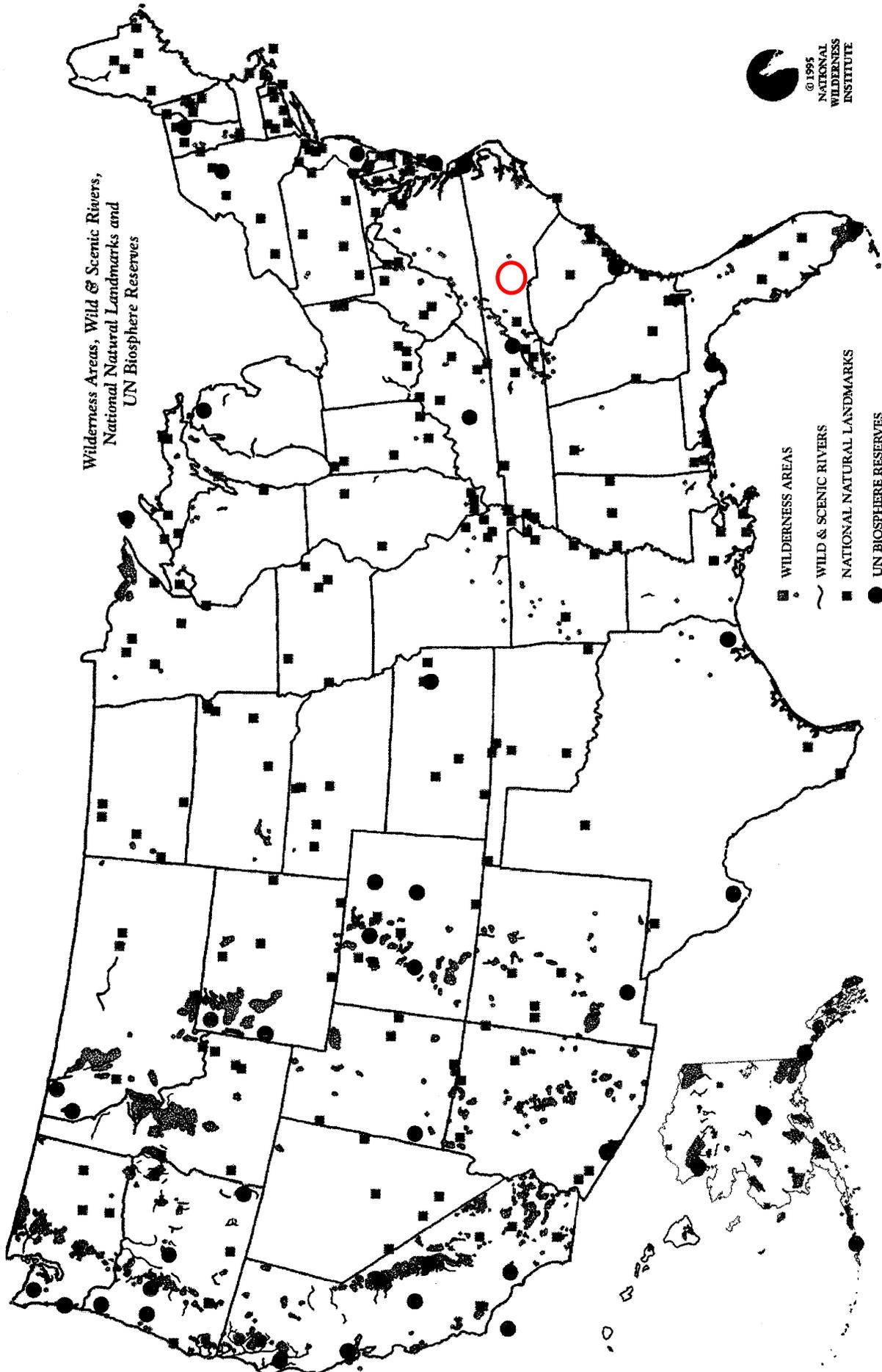
## U.S. National Wilderness Preservation System Map



### Map Legend

- Bureau of Land Management Wilderness
- Bureau of Land Management NON-Wilderness
- Fish & Wildlife Service Wilderness
- Fish & Wildlife Service NON-Wilderness
- Forest Service Wilderness
- Forest Service NON-Wilderness
- National Park Service Wilderness
- National Park Service NON-Wilderness
- Major Roads
- Ferry Routes (AK)





*Wilderness Areas, Wild & Scenic Rivers,  
National Natural Landmarks and  
UN Biosphere Reserves*

- WILDERNESS AREAS
- ~ WILD & SCENIC RIVERS
- NATIONAL NATURAL LANDMARKS
- UN BIOSPHERE RESERVES

[Links to descriptions of places on map.](#) [Wilderness Areas](#) / [Wild and Scenic Rivers](#) / [UN Biosphere Reserves](#) / [National Natural Landmarks](#)

© 1995 by National Wilderness Institute.

For a full resolution 11" x17" version of this map with source information order the "This Land Is Whose Land?" issue of the NWI Resource from NWI. Contact us for details.

# NORTH CAROLINA NATIONAL NATURAL LANDMARKS MAP





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**Wayne County**

**ZURICH BOG**

Zurich Bog is a good example of northern sphagnum bog and bog forest vegetation, both of which are uncommon in north-central New York. Designated: 1973. Ownership: Private.

**Westchester County**

**MIANUS RIVER GORGE**

The Mianus River Gorge contains an excellent climax hemlock forest and presents an exceptional illustration of piedmont physiography and geomorphology. Designated: 1964. Ownership: Private.

**NORTH CAROLINA (13)**

**Alleghany County**

**STONE MOUNTAIN**

(extends into Wilkes County) Stone Mountain, located within Stone Mountain State Park, is the best example of a monadnock in massive granite in North Carolina. Unique, endemic plants persist on the granite outcrops. Designated: 1974. Ownership: State.

**Ashe County**

**LONG HOPE CREEK  
SPRUCE BOG**

(extends into Watauga County) Long Hope Creek Spruce Bog is one of the rarest plant communities in North Carolina and the Southeast, including plant species such as American yew and buckbean. Designated: 1974. Ownership: Private.

**MOUNT JEFFERSON  
STATE NATURAL AREA**

Mount Jefferson State Natural Area contains virtually undisturbed northern red oak forests, and represents one of the best remaining examples of oak-chestnut forest in the Southeast. Designated: 1974. Ownership: State.

**Beaufort County**

**GOOSE CREEK STATE  
PARK NATURAL AREA**

Goose Creek State Park Natural Area is an excellent example of a gently sloping mainland undergoing rapid ocean transgression. The site contains several diverse ecological communities including: brackish creeks and marshes, marsh transition areas, river swamp forest, and pine forest. Designated: 1980. Ownership: State.



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**Brunswick County**

**GREEN SWAMP**

Green Swamp is the largest and most unique mosaic of wetland communities in the Carolinas and is a refuge for rare plant and animal species. Designated: 1974. Ownership: Private.

**SMITH ISLAND**

(extends into New Hanover County) Smith Island, located within Fort Fisher State Recreation Area, is a barrier island complex representing one of the least disturbed areas remaining on the Atlantic Coast. The site contains one of the best unaltered examples of sand strand forest in existence, and a system of sand dunes. Salt marshes, tidal creeks, bays, and mudflats are used extensively by aquatic birds, and island beaches provide breeding habitat for loggerhead turtles. Designated: 1967. Ownership: State.

**Dare County**

**NAGS HEAD WOODS  
AND JOCKEY'S RIDGE**

Nags Head Woods and Jockey's Ridge illustrates the entire series of dune development and plant succession, from shifting open dunes to forested stabilized dunes. Designated: 1974. Ownership: State, county, municipal, private.

**Davie County**

**ORBICULAR DIORITE**

The Orbicular Diorite site contains an unusual plutonic igneous rock consisting of hornblende, pyroxene, and feldspars. Designated: 1980. Ownership: Private.

**Hyde County**

**SALYER'S RIDGE  
NATURAL AREA**

Salyer's Ridge Natural Area, located within the Mattamuskeet National Wildlife Refuge, contains a rare example of mature loblolly pine forest in process of succession towards a deciduous forest. Designated: 1983. Ownership: Federal.

**New Hanover County**

**SMITH ISLAND**

(see Brunswick County)

**Onslow County**

**BEAR ISLAND**

Bear Island, located within Hammocks Beach State Park, contains one of the largest and best examples of coastal eolian landforms in the Atlantic Coastal Plain biophysiological province. Dune movement has created a dynamic landscape of outstanding scenic beauty. Designated: 1980. Ownership: State.



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**Surry County**

**PILOT MOUNTAIN**

Pilot Mountain, located within Pilot Mountain State Park, is a classic monadnock that harbors disjunct vegetation from the Blue Ridge region. Designated: 1974. Ownership: State.

**Wake County**

**PIEDMONT BEECH  
NATURAL AREA**

Piedmont Beech Natural Area, located within William B. Umstead State Park, is one of the best examples of mixed mesophytic forest in the eastern Piedmont of North Carolina. Portions of the site contain unusual examples of good, maturing stands of beech. Designated: 1974. Ownership: State.

**Watauga County**

**LONG HOPE CREEK  
SPRUCE BOG**

(see Ashe County)

**Wilkes County**

**STONE MOUNTAIN**

(see Alleghany County)

**Yancey County**

**MOUNT MITCHELL STATE  
PARK**

Mount Mitchell, located within Mount Mitchell State Park, is the highest mountain in the eastern half of the United States at 6,684 feet. The site supports the most extensive stand of Fraser fir remaining in the country. Designated: 1974. Ownership: State.

**NORTH DAKOTA (4)**

**Billings County**

**TWO-TOP MESA AND BIG  
TOP MESA**

Located one mile apart, Two-Top Mesa and Big Top Mesa are in a badlands terrain of sandstones, siltstones and clay. The mesas are characterized by an unbroken cover of grass on flat relief. Designated: 1965. Ownership: Federal.

**Cavalier County**

**RUSH LAKE**

A large shallow, essentially undisturbed prairie pothole lake, Rush Lake is an important staging area for waterfowl. Designated: 1975. Ownership: Private.



# Tower Construction Notification

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[FCC Site Map](#)

Logged In: ([Log Out](#)) [Section 106](#)

## Tower Construction Notification New Notification

[Notifications Home](#)

Your Notification has been successfully submitted to the FCC. The date for this Notification is 02/12/2013. Your Notification ID number is **92484**. Please make a note of this Notification ID — print out this page for your records. A confirmation of this submitted notification will also be emailed to the email address specified in your notification.

This system is intended to facilitate consultation under Section 106 of the National Historic Preservation Act by providing early notification of proposed construction to Tribes and State Historic Preservation officers. This system is not to be used in place of Section 106 consultation, and use of this notification system in itself does not satisfy parties' obligations with respect to historic preservation review under the Commission's rules.

### **Please note: the submission of this notification is NOT to be considered a submission for Antenna Structure Registration.**

Tower Structures that require antenna structure registration based on FCC Rules 47 C.F.R. Part 17 must complete FCC Form 854 after FAA clearance is obtained.

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- ASR Online Systems**       [TOWAIR](#)- [CORES/ASR Registration](#) - [ASR Online Filing](#) - [Application Search](#) - [Registration Search](#)
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Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554  
[More FCC Contact Information...](#)

Phone: 1-877-480-3201  
TTY: 1-717-338-2824  
Fax: 1-866-418-0232  
[Submit Help Request](#)

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- [Required Browser Plug-ins](#)
- [Customer Service Standards](#)
- [Freedom of Information Act](#)

## Andrew Blake

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Tuesday, February 12, 2013 1:09 PM  
**To:** Andrew Blake  
**Subject:** Proposed Tower Structure Info - Email ID #3199456

Dear Andrew B Blake,

Thank you for submitting a notification regarding your proposed construction via the Tower Construction Notification System. Note that the system has assigned a unique Notification ID number for this proposed construction. You will need to reference this Notification ID number when you update your project's Status with us.

Below are the details you provided for the construction you have proposed:

Notification Received: 02/12/2013

Notification ID: 92484

Tower Owner Individual or Entity Name: TEP for the North Carolina Department of Public Safety - North Carolina Highway Patrol

Consultant Name: Andrew B Blake

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: [ablake@tepgroup.net](mailto:ablake@tepgroup.net)

Structure Type: LTOWER - Lattice Tower

Latitude: 35 deg 35 min 44.0 sec N

Longitude: 80 deg 14 min 51.6 sec W

Location Description: Catfish Road

City: Richfield

State: NORTH CAROLINA

County: ROWAN

Ground Elevation: 234.2 meters

Support Structure: 115.8 meters above ground level

Overall Structure: 120.4 meters above ground level

Overall Height AMSL: 354.6 meters above mean sea level

## Andrew Blake

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, February 15, 2013 3:01 AM  
**To:** Andrew Blake  
**Cc:** kim.pristello@fcc.gov; diane.dupert@fcc.gov  
**Subject:** NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3201349

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Chief Leo R Henry - Tuscarora Nation - Via: Lewiston, NY - regular mail

Details: If the Applicant/tower builder receives no response from the Tuscarora Nation within 30 days after notification through TCNS, the Tuscarora Nation has no interest in participating in pre-construction review for the site. The Applicant/tower builder, however, must IMMEDIATELY notify the Tuscarora Nation in the event archaeological properties or human remains are discovered during construction.

2. Policy Analyst Richard L Allen - Cherokee Nation - Tahlequah, OK - electronic mail

Details: The TCNS Details do not provide me enough information to conduct a proper assessment of the projects on behalf of the Cherokee Nation. Therefore, I request that I be sent a brief summary of the Phase I findings [please try to limit the summary to between 1--10 pages], a topo of the area, and relevant photos. Please send these by email to

rallen@cherokee.org. Please treat this request for additional material as a routine supplement to the TCNS Details Notification for each of your projects that fall within our Tribe's areas of geographic interest. Consequently, if you do not receive a response from me within 30 days from the date on which you e-mailed the supplemental items to me, you may move forward with the 20-Day Letter procedures pursuant to the FCC's guidelines. Thank you. -- Dr. Richard L. Allen

3. Administrative Assistant Jo Ann Beckham - Eastern Shawnee Tribe of Oklahoma - Seneca, MO - electronic mail  
Details: If you, the Applicant and/or tower constructor, do not receive a response from us, the Eastern Shawnee Tribe of Oklahoma, within 30 days from the date of the TCNS notification, then you may conclude that we do not have an interest in the site. However, if archeological resources or remains are found during construction, you must immediately stop construction and notify us of your findings in accordance with the FCC's rules. (See 47 C.F.R. § 1.1312(d))

4. THPO Kim Jumper - Shawnee Tribe - Miami, OK - regular mail  
Details: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON ALL PROJECTS BUILT IN OUR AREAS OF GEOGRAPHIC INTEREST.

ATTENTION, NEW INFORMATION: Our procedures were updated on 14 January 2008. Please call Kim Jumper, THPO, at 918-542-2441, so that she can send you a copy.

If your tower is a co-location, please fax us this information to let us know. We cannot always tell from the TCNS web site that a tower is a co-location. We require a written response from you to let us know that it is a co-location. If a co-location project includes some new ground disturbance (such as from an expanded compound or access road, or construction of an ancillary structure), the Shawnee Tribe treats such a project the same as any other non co-location project.

Our correct mailing/physical address is: 29 South Highway 69A. Our correct phone number is (918-542-2441) and our historic preservation fax line is (918-542-9915). THPO Kim Jumper manages all cell tower consultation.

As of 26 June 2006, all of the faxed responses of our final comments on a tower site will contain an original Shawnee Tribe signature. Each final comment fax is signed individually. Copies may be compared, for authentication, against the original in our files. If a final comment fax does not contain a signature, it is not valid. ALL FINAL COMMENTS FROM THE SHAWNEE TRIBE ARE WRITTEN; FINAL COMMENTS ARE NEVER PROVIDED VERBALLY. IF THE SHAWNEE TRIBE IS CREDITED WITH HAVING GIVEN A VERBAL RESPONSE, THAT RESPONSE IS NOT VALID.

If you receive notification through the TCNS listing the Shawnee Tribe, that is an indication that the Shawnee Tribe is interested in consulting on the tower for which that notification was received. Please consider that our official indication of interest to you. The Shawnee Tribe considers the Tower Construction Notification System's weekly e-mail to be the first notification that we receive that a tower will be constructed in an area of our concern. We do not view the TCNS notification as completion of 106 consultation obligations.

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated on 14 January 2008 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the tower builder's responsibility to make sure that you have our most recent consultation procedures.

PLEASE DO NOT SEND US INFORMATION, QUERIES, OR COMMENTS ELECTRONICALLY. SINCE 1 DECEMBER 2005, WE HAVE NOT HANDLED ANY CELL TOWER CONSULTATION, INQUIRIES, OR CORRESPONDENCE VIA E-MAIL.

5. THPO and Executive Director Dr. Wenonah G Haire - Catawba Indian Nation Cultural Preservation Project - Rock Hill, SC - electronic mail and regular mail

Details: The Catawba Indian Nation Tribal Historic Preservation Office requests that you send us by regular mail the following information needed to complete our research for the your proposed project:

Project Name \_\_\_\_\_

Project Number \_\_\_\_\_

\_\_\_\_\_1. The name, complete address, phone number, fax number and e-mail address of the project manager.

\_\_\_\_\_2. The project location plotted on a topo map.

\_\_\_\_\_3. The project name, address and location; street or highway, city, county, state.

\_\_\_\_\_4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated.

\_\_\_\_\_5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.

\_\_\_\_\_6. A list of all recorded archaeological sites within one half (1/2) mile of the project area.

\_\_\_\_\_7. A list of all eligible and potentially eligible National Register of Historic Places sites within one half (1/2) mile of the proposed project area.

\_\_\_\_\_8. If there has been an archaeological survey done in the area, a copy of that report.

\_\_\_\_\_9. It is not necessary to send original color photos if you can provide high-resolution color copies.

\_\_\_\_\_10. A letter of concurrence from the appropriate State Historic Preservation Office.

If you use the FCC Form 620, please do not send Attachments 1 through 6. They are not necessary for our determination. We do not have an interest in projects that require no ground disturbance.

Please note: Our research/processing fee is currently \$250. This fee will be changing to \$400 effective March 1, 2012. Please send these requested materials in hard copy format. Send to:

CIN-THPO  
1536 Tom Steven Road  
Rock Hill, S.C. 29730

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to

determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

6. Environmental Review Coordinator Renee Gledhill Earley - NC State Historic Preservation Office - Raleigh, NC - electronic mail

7. Deputy SHPO David Brook - Historic Preservation Office - Raleigh, NC - electronic mail

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 02/12/2013

Notification ID: 92484

Tower Owner Individual or Entity Name: TEP for the North Carolina Department of Public Safety - North Carolina Highway Patrol

Consultant Name: Andrew B Blake

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: ablake@tepgroup.net

Structure Type: LTOWER - Lattice Tower

Latitude: 35 deg 35 min 44.0 sec N

Longitude: 80 deg 14 min 51.6 sec W

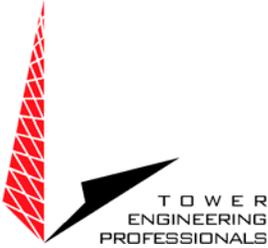
Location Description: Catfish Road  
City: Richfield  
State: NORTH CAROLINA  
County: ROWAN  
Ground Elevation: 234.2 meters  
Support Structure: 115.8 meters above ground level  
Overall Structure: 120.4 meters above ground level  
Overall Height AMSL: 354.6 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,  
Federal Communications Commission



February 18, 2013

Cherokee Nation  
Post Office Box 948  
Tahlequah, OK  
74464

Attention: Dr. Richard Allen  
Policy Analyst

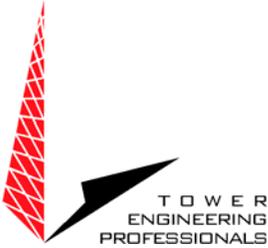
Subject: Proposed 380-ft Self-Support Communications Tower  
NC Highway Patrol Site: **High Rock Lake**  
**FCC TCNS # 92484**  
Catfish Road  
Richfield, NC  
(Rowan County)

Dear Dr. Allen:

**Your office originally reviewed and concurred with the construction of the aforementioned facility; however, under the original TCNS# 89358 the site coordinates were incorrect. All the supplemental site specific information (i.e site plans, topographic maps, photo pages, and archaeological survey) accurately depicted the proposed facility. We apologize for any inconvenience this may cause and appreciate your cooperation with this matter.**

Tower Engineering Professionals, Inc. of Raleigh, NC has been contracted by the North Carolina Department of Public Safety (North Carolina Highway Patrol) to complete a NEPA Checklist (FCC Compliance Audit) for the proposed 380-ft (395-ft with appurtenances) AGL Self Support tower that will be located north of a portion of Bringle Ferry Road, south of a portion of Catfish Road, east of a portion of Panther Point Road, and southwest of the Town of Denton, in southeastern Rowan County, North Carolina. The proposed emergency services tower facility will be located on the southern portion of a 435.64-acre property identified as Parcel ID No. 506-001 by the Rowan County, NC Tax Assessors Office. The proposed 20-ft wide access easement will utilize an existing earthen path which proceeds south from Catfish Road, through previously disturbed forested land uses, for approximately 2,200-ft until reaching the proposed 80-ft x 80-ft lease area. The proposed 30-ft x 38-ft x 10-ft x 46.5-ft x 31-ft x 31-ft fenced tower compound will be located entirely within the proposed 80-ft x 80-ft lease area primarily occupied by fallow land uses associated with a former logging deck.

The proposed area of disturbance associated with the improvement of the existing, previously disturbed, access drive is anticipated to total approximately 44,000 sq. ft. (1-acres). The proposed area of disturbance associated with the 80-ft x 80-ft lease area is anticipated to total approximately 6,400 sq. ft. (0.15-acres). The total proposed area of disturbance associated with the improvement of the existing access drive and lease area is anticipated to total approximately



50,400 sq. ft. (1.15-acres). The parcel containing the *subject property* is reportedly owned by Steven & James Bingham and is herein after referred to as the parent property.

The parent property is occupied by fallow and undeveloped forested land uses associated with previous timber harvest operations and is located in a portion of Rowan County where the majority of the surrounding area is occupied by low density residential, agricultural, and undeveloped forested land uses.

The 1-A coordinates of the tower location are as follows:

Latitude: N 35° 35' 44.034" (NAD 83)  
Longitude: W 80° 14' 51.596" (NAD 83)

TEP contracted R.S. Webb and Associates, a cultural resources consulting firm, to perform an Archaeological Evaluation of the site, to make an assessment of the potential direct effects the proposed tower may have on archaeological resources. The Archaeological Evaluation has been included for your review.

Additionally, TEP personnel conducted research utilizing the North Carolina State Historic Preservation Office HPOWEB GIS Service, resulting in the identification of two historic properties within the designated 0.75-mile FCC visual APE.

It is the position of TEP that the proposed tower site does not appear to pose a threat to Native American sites of religious or cultural significance; however, we are requesting a letter from the Cherokee Nation to confirm our findings. A portion of the pertinent 7.5-minute (**High Rock**) topographic map that depicts the proposed tower location, NCSHPO Map, NCSHPO Results, site plan, and site photographs have been included for your review.

If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

A handwritten signature in black ink that reads "Andrew B. Blake".

Andrew B. Blake  
Environmental Scientist II  
Tower Engineering Professionals, Inc.



# Tower Construction Notification

[FCC](#) > [WTB](#) > Tower Construction Notification

[FCC Site Map](#)

Logged In: ([Log Out](#)) [Section 106](#)

## Tower Construction Notification Refer a Notification Confirmation

[Notifications Home](#)

Your referral of Notification ID number **92484** has been successfully submitted to the FCC. The date for this referral is 03/27/2013. Please print out this page for your records. A confirmation of this submitted referral will also be emailed to the email address specified in your submission.

- ASR Help**                    [ASR License Glossary](#) - [FAQ](#) - [Online Help](#) - [Documentation](#) - [Technical Support](#)
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- [Customer Service Standards](#)
- [Freedom of Information Act](#)

## Andrew Blake

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**From:** towernotifyinfo@fcc.gov  
**Sent:** Wednesday, March 27, 2013 10:27 AM  
**To:** Andrew Blake  
**Cc:** kim.pristello@fcc.gov; diane.dupert@fcc.gov  
**Subject:** Confirmation - Referral of a Proposed Tower Construction Notification - Email ID # 3232109

Dear Andrew B Blake,

Your referral of a proposed tower structure notification has been successfully submitted via the Tower Construction Notification System. The Federal Communications Commission (FCC) will be processing this referral for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages, and Native Hawaiian Organizations as specified by Section IV.G of the Nationwide Programmatic Agreement and the Declaratory Ruling of October 6, 2005. You will receive a Proposed Construction of Communications Facilities Notification of Final Contacts when the FCC has completed processing this referral. Below are the details you provided in the referral of the tower you have proposed to construct:

Notification Received: 02/12/2013  
Notification Referred: 03/27/2013

Notification ID: 92484

Tower Owner Individual or Entity Name: TEP for the North Carolina Department of Public Safety - North Carolina Highway Patrol

Consultant Name: Andrew B Blake  
Street Address: 3703 Junction Blvd.  
City: Raleigh  
State: NORTH CAROLINA  
Zip Code: 27603-5263  
Phone: 919-661-6351  
Email: [ablake@tepgroup.net](mailto:ablake@tepgroup.net)

Structure Type: LTOWER - Lattice Tower

Latitude: 35 deg 35 min 44.0 sec N  
Longitude: 80 deg 14 min 51.6 sec W  
Location Description: Catfish Road  
City: Richfield  
State: NORTH CAROLINA  
County: ROWAN  
Ground Elevation: 234.2 meters  
Support Structure: 115.8 meters above ground level  
Overall Structure: 120.4 meters above ground level  
Overall Height AMSL: 354.6 meters above mean sea level

Entities Who Have Not Responded:  
Cherokee Nation

First Contact Date: 02/14/2013

Second Contact Date: 2/18/2013

\*\*Note that the FCC will assign a unique Notification ID number for a site where the initial contact was not made through TCNS. You will need to reference this Notification ID number when you update your project's Status with us.

## Andrew Blake

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**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, March 28, 2013 9:05 AM  
**To:** Andrew Blake  
**Cc:** Diane.Dupert@fcc.gov; Kim.Pristello@fcc.gov  
**Subject:** Proposed Construction of Communications Facilities Notification of Final Contacts - Email ID #12252

TEP for the North Carolina Department of Public Safety - North Carolina Highway Patrol  
Andrew B Blake  
3703 Junction Blvd.  
Raleigh, NC 27603-5263

Dear Applicant:

This letter addresses the proposed communications facilities listed below that you have referred to the Federal Communications Commission (Commission) for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages (collectively Indian Tribes), and Native Hawaiian Organizations (NHOs), as specified by Section IV.G of the Nationwide Programmatic Agreement (NPA). Consistent with the procedures outlined in the Commission's recent Declaratory Ruling (1), we have contacted the Indian Tribes or NHOs identified in the attached Table for the projects listed in the attached Table. You referred these projects to us between 03/21/2013 and 03/28/2013. Our contact with these Indian Tribes or NHOs was sent on 03/28/2013.

Thus, as described in the Declaratory Ruling (2), if you or Commission staff do not receive a statement of interest regarding a particular project from any Tribe or NHO within 20 calendar days of 03/28/2013, your obligations under Section IV of the NPA with respect to these Indian Tribes or NHOs are complete(3). If an Indian Tribe or NHO responds that it is interested in participating within the 20 calendar day period, the Applicant must involve it in the review as set forth in the NPA, and may not begin construction until the process set forth in the NPA is completed.

You are reminded that Section IX of the NPA imposes independent obligations on an Applicant when a previously unidentified site that may be a historic property, including an archeological property, is discovered during construction or after the completion of review(4). In such instances, the Applicant must cease construction and promptly notify, among others, any potentially affected Indian Tribe or NHO. An Indian Tribe's or NHO's failure to express interest in participating in pre-construction review of an undertaking does not necessarily mean it is not interested in archeological properties or human remains that may inadvertently be discovered during construction. Hence, an Applicant is still required to notify any potentially affected Indian Tribe or NHO of any such finds pursuant to Section IX or other applicable law.

Sincerely,  
Dan Abeyta  
Assistant Chief  
Spectrum and Competition Policy Division  
Wireless Telecommunications Bureau

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1) See Clarification of Procedures for Participation of Federally Recognized Indian Tribes and Native Hawaiian Organizations Under the Nationwide Programmatic Agreement, Declaratory Ruling, FCC 05-176 (released October 6, 2005) (Declaratory Ruling).

2) Id S 8-10.

3) We note that, under the Declaratory Ruling, an expression of interest by an Indian Tribe or NHO addressed solely to the Commission staff during the 20-day period is sufficient even if it does not contact the Applicant.

4) Id at S 11.

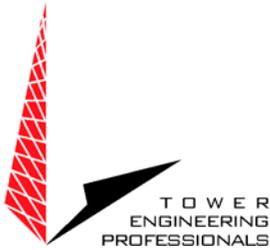
#### LIST OF PROPOSED COMMUNICATIONS TOWERS

TCNS# 92484 Referred Date: 03/27/2013 Location: Catfish Road, Richfield, NC

Tribe Name: Cherokee Nation

#### LEGEND:

\* - Notification numbers are assigned by the Commission staff for sites where initial contact was not made through TCNS.



February 12, 2013

Shawnee Tribe  
Tribal Historic Preservation Office  
29 South Highway 69A  
Miami, OK 74354

Attention: Kim Jumper  
Tribal Historic Preservation Officer

Subject: Proposed 380-ft Self-Support Communications Tower  
NC Highway Patrol Site: **High Rock Lake**  
**FCC TCNS # 92484**  
Catfish Road  
Richfield, NC  
(Rowan County)

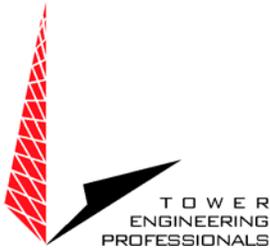
Dear Ms. Jumper:

**Your office originally reviewed and concurred with the construction of the aforementioned facility; however, under the original TCNS# 89358 the site coordinates were incorrect. All the supplemental site specific information (i.e site plans, topographic maps, photo pages, and archaeological survey) accurately depicted the proposed facility. We apologize for any inconvenience this may cause and appreciate your cooperation with this matter.**

Tower Engineering Professionals, Inc. of Raleigh, NC has been contracted by the North Carolina Department of Public Safety (North Carolina Highway Patrol) to complete a NEPA Checklist (FCC Compliance Audit) for the proposed 380-ft (395-ft with appurtenances) AGL Self Support tower that will be located north of a portion of Bringle Ferry Road, south of a portion of Catfish Road, east of a portion of Panther Point Road, and southwest of the Town of Denton, in southeastern Rowan County, North Carolina. The proposed emergency services tower facility will be located on the southern portion of a 435.64-acre property identified as Parcel ID No. 506-001 by the Rowan County, NC Tax Assessors Office. The proposed 20-ft wide access easement will utilize an existing earthen path which proceeds south from Catfish Road, through previously disturbed forested land uses, for approximately 2,200-ft until reaching the proposed 80-ft x 80-ft lease area. The proposed 30-ft x 38-ft x 10-ft x 46.5-ft x 31-ft x 31-ft fenced tower compound will be located entirely within the proposed 80-ft x 80-ft lease area primarily occupied by fallow land uses associated with a former logging deck.

The proposed area of disturbance associated with the improvement of the existing, previously disturbed, access drive is anticipated to total approximately 44,000 sq. ft. (1-acres). The proposed area of disturbance associated with the 80-ft x 80-ft lease area is anticipated to total

3703 Junction Blvd. Raleigh, NC 27603-5263 O) (919) 661-6351 F)(919) 661-6350  
ablake@tepgroup.net



approximately 6,400 sq. ft. (0.15-acres). The total proposed area of disturbance associated with the improvement of the existing access drive and lease area is anticipated to total approximately 50,400 sq. ft. (1.15-acres). The parcel containing the *subject property* is reportedly owned by Steven & James Bingham and is herein after referred to as the parent property.

The parent property is occupied by fallow and undeveloped forested land uses associated with previous timber harvest operations and is located in a portion of Rowan County where the majority of the surrounding area is occupied by low density residential, agricultural, and undeveloped forested land uses.

The 1-A coordinates of the tower location are as follows:

Latitude: N 35° 35' 44.034" (NAD 83)

Longitude: W 80° 14' 51.596" (NAD 83)

TEP contracted R.S. Webb and Associates, a cultural resources consulting firm, to perform an Archaeological Evaluation of the site, to make an assessment of the potential direct effects the proposed tower may have on archaeological resources. The Archaeological Evaluation has been included for your review.

Additionally, TEP personnel conducted research utilizing the North Carolina State Historic Preservation Office HPOWEB GIS Service, resulting in the identification of two historic properties within the designated 0.75-mile FCC visual APE.

It is the position of TEP that the proposed tower site does not appear to pose a threat to Native American sites of religious or cultural significance; however, we are requesting a letter from the Shawnee Tribe to confirm our findings. A portion of the pertinent 7.5-minute (**High Rock**) topographic map that depicts the proposed tower location, NCSHPO Map, NCSHPO Results, site plan, and site photographs have been included for your review.

If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

A handwritten signature in black ink that reads "Andrew B. Blake". The signature is written in a cursive style with a large initial 'A'.

Andrew B. Blake  
Environmental Scientist II  
Tower Engineering Professionals, Inc.



SHAWNEE TRIBE  
HISTORIC PRESERVATION DEPARTMENT  
29 SOUTH HIGHWAY 69A  
MIAMI, OKLAHOMA 74354  
918 ^ 542 ^ 2441 PHONE 918 ^ 542 ^ 9915 FAX

FACSIMILE COVER PAGE

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To: Drew FROM: KIM JUMPER

FIRM/AGENCY: TEP DATE/TIME: 2/18/13

FAX NUMBER: 919-6661-6350 NO. OF PAGES, INCLUDING COVER: 1

PHONE NUMBER: \_\_\_\_\_ MEMO: 92484

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**Message:** The Shawnee Tribe's Tribal Historic Preservation Officer concurs that no known historic properties will be negatively impacted by construction of this tower site (see memo line above for TCNS number/s). The Shawnee Tribe's archives do not reveal any issues of concern at this tower location. In the event that archaeological materials are encountered later during construction, use, or maintenance of this tower location, please re-notify us at that time as we would like to resume consultation under such a circumstance.

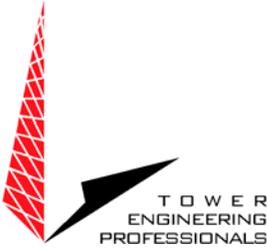
The Shawnee Tribe's Environmental and Natural Resources Department takes this opportunity to express its concerns that telecommunication towers can have a potentially destructive impact on bats and migratory birds, particularly those that migrate at night, including species listed as threatened and endangered by both states and the federal government, as well as other species. The Shawnee Tribe suggests that this tower be constructed in accordance with the guidelines available from the US Fish and Wildlife Service to reduce the adverse effects of telecommunications towers on migratory birds; these guidelines may be found at: [www.fws.gov/migratorybirds/issues/towers/comtow.html](http://www.fws.gov/migratorybirds/issues/towers/comtow.html).

The Shawnee Tribe's Environmental and Natural Resources Department is further concerned that the proliferation of cell towers may play a role in honey bee Colony Collapse Disorder. We acknowledge that cell phone technology may not be to blame, especially by itself, as other potential causative factors for the decline have been noted, such as insecticides, tracheal and varroa mites [an immunosuppressant], other parasites, pesticides used on hives to eliminate parasites, genetically modified plants, *Nosema* fungus, Israeli Acute Paralysis Virus (IAPV) perhaps introduced from Australia in 2004, Kashmir Bee Virus [KBV], climate change, and drought.

Finally, the Shawnee Tribe's Environmental and Natural Resources Department requests that cell tower sites, whenever remotely feasible, be restored to native vegetation. In all cases, habitat restoration can protect a variety of species, even in small project areas. The large number of cell tower sites provides an as yet unrealized opportunity for region-wide habitat restoration. The Tribe urges the cell-phone industry to provide a model for native habitat restoration for other industries.

Please do not hesitate to call us for additional comment.





February 12, 2013

Catawba Tribal Historic Preservation  
1536 Tom Stevens Road  
Rock Hill, South Carolina  
29730

Attention: Ms. Wenonah Haire  
Review & Compliance Coordinator

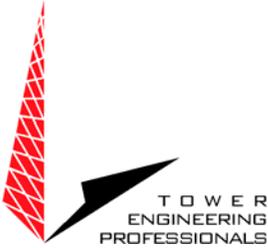
Subject: Proposed 380-ft Self-Support Communications Tower  
NC Highway Patrol Site: **High Rock Lake**  
**FCC TCNS # 92484**  
Catfish Road  
Richfield, NC  
(Rowan County)

Dear Ms. Haire:

**Your office originally reviewed and concurred with the construction of the aforementioned facility; however, under the original TCNS# 89358 the site coordinates were incorrect. All the supplemental site specific information (i.e site plans, topographic maps, photo pages, and archaeological survey) accurately depicted the proposed facility. We apologize for any inconvenience this may cause and appreciate your cooperation with this matter.**

Tower Engineering Professionals, Inc. of Raleigh, NC has been contracted by the North Carolina Department of Public Safety (North Carolina Highway Patrol) to complete a NEPA Checklist (FCC Compliance Audit) for the proposed 380-ft (395-ft with appurtenances) AGL Self Support tower that will be located north of a portion of Bringle Ferry Road, south of a portion of Catfish Road, east of a portion of Panther Point Road, and southwest of the Town of Denton, in southeastern Rowan County, North Carolina. The proposed emergency services tower facility will be located on the southern portion of a 435.64-acre property identified as Parcel ID No. 506-001 by the Rowan County, NC Tax Assessors Office. The proposed 20-ft wide access easement will utilize an existing earthen path which proceeds south from Catfish Road, through previously disturbed forested land uses, for approximately 2,200-ft until reaching the proposed 80-ft x 80-ft lease area. The proposed 30-ft x 38-ft x 10-ft x 46.5-ft x 31-ft x 31-ft fenced tower compound will be located entirely within the proposed 80-ft x 80-ft lease area primarily occupied by fallow land uses associated with a former logging deck.

The proposed area of disturbance associated with the improvement of the existing, previously disturbed, access drive is anticipated to total approximately 44,000 sq. ft. (1-acres). The proposed area of disturbance associated with the 80-ft x 80-ft lease area is anticipated to total approximately 6,400 sq. ft. (0.15-acres). The total proposed area of disturbance associated with the improvement of the existing access drive and lease area is anticipated to total approximately



50,400 sq. ft. (1.15-acres). The parcel containing the *subject property* is reportedly owned by Steven & James Bingham and is herein after referred to as the parent property.

The parent property is occupied by fallow and undeveloped forested land uses associated with previous timber harvest operations and is located in a portion of Rowan County where the majority of the surrounding area is occupied by low density residential, agricultural, and undeveloped forested land uses.

The 1-A coordinates of the tower location are as follows:

Latitude: N 35° 35' 44.034" (NAD 83)  
Longitude: W 80° 14' 51.596" (NAD 83)

TEP contracted R.S. Webb and Associates, a cultural resources consulting firm, to perform an Archaeological Evaluation of the site, to make an assessment of the potential direct effects the proposed tower may have on archaeological resources. The Archaeological Evaluation has been included for your review.

Additionally, TEP personnel conducted research utilizing the North Carolina State Historic Preservation Office HPOWEB GIS Service, resulting in the identification of two historic properties within the designated 0.75-mile FCC visual APE; however, these properties have been determined ineligible for inclusion in the National Register of Historic Places.

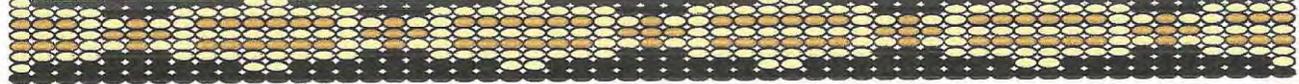
It is the position of TEP that the proposed tower site does not appear to pose a threat to Native American sites of religious or cultural significance; however, we are requesting a letter from the Catawba Indian Nation to confirm our findings. A portion of the pertinent 7.5-minute (**High Rock**) topographic map that depicts the proposed tower location, NCSHPO Map, NCSHPO Results, site plan, and site photographs have been included for your review.

If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

A handwritten signature in black ink that reads "Andrew B. Blake". The signature is written in a cursive, flowing style.

Andrew B. Blake  
Environmental Scientist II  
Tower Engineering Professionals, Inc.



February 14, 2013

Attention: Andrew Blake  
Tower Engineering Professionals  
3703 Junction Boulevard  
Raleigh, NC 27603-5263

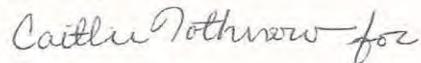
Re. THPO # TCNS # Project Description  
2013-12-37 92484 Proposed 380ft Self Support Tower High Rock Lake Catfish Road, Richfield, NC

Dear Mr. Blake,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions please contact Caitlin Totherow at 803-328-2427 ext. 226, or e-mail [caitlinh@ccppcrafts.com](mailto:caitlinh@ccppcrafts.com).

Sincerely,



Wenonah G. Haire  
Tribal Historic Preservation Officer



# National NAGPRA Online Databases



## NACD Query Results Full Data Report

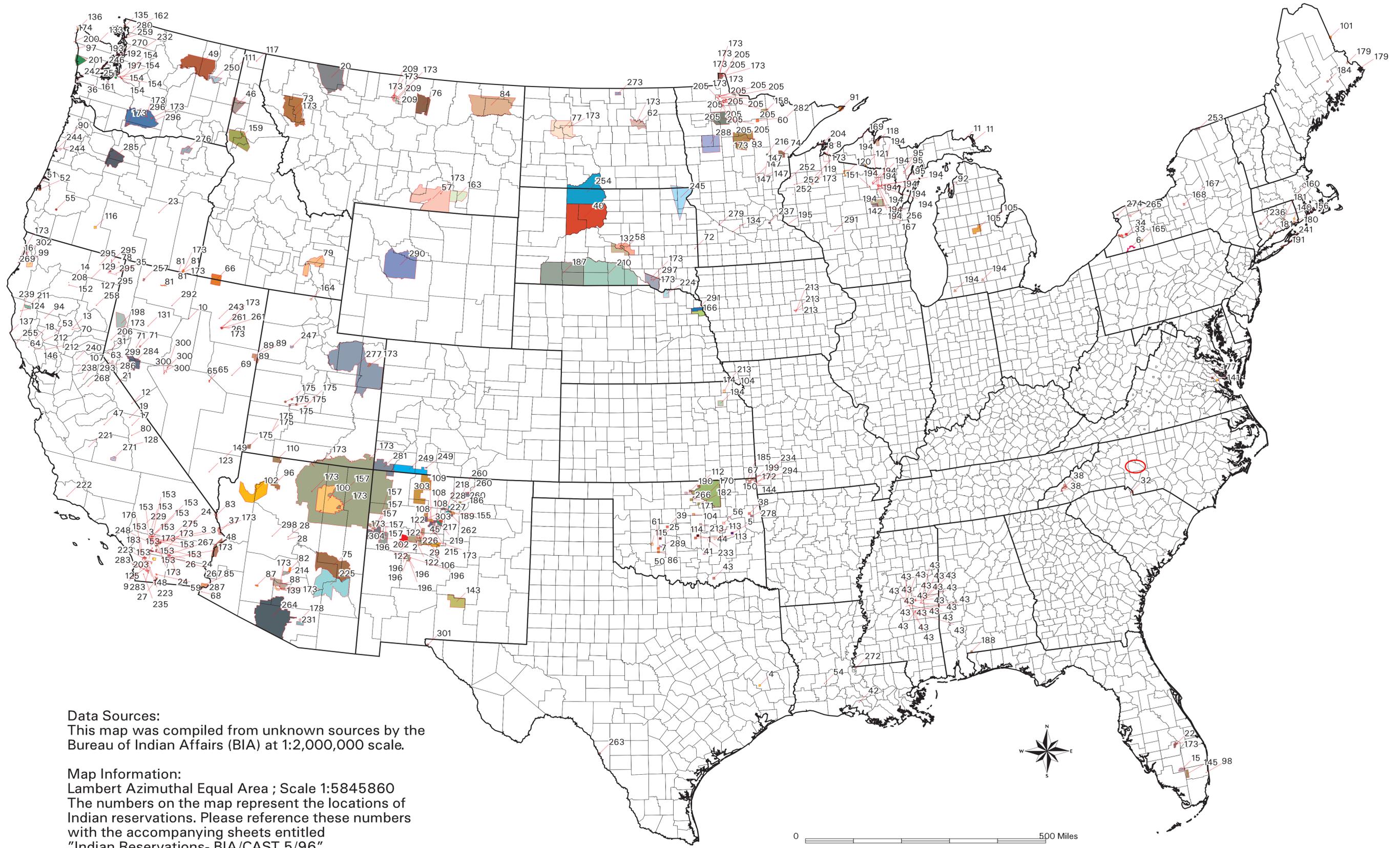
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### Query input:

State = North  
Carolina  
County = Rowan

**NO RECORDS FOUND MATCHING SEARCH CRITERIA**

# Indian Reservations in the Continental United States



**Data Sources:**  
This map was compiled from unknown sources by the Bureau of Indian Affairs (BIA) at 1:2,000,000 scale.

**Map Information:**  
Lambert Azimuthal Equal Area ; Scale 1:5845860  
The numbers on the map represent the locations of Indian reservations. Please reference these numbers with the accompanying sheets entitled "Indian Reservations- BIA/CAST 5/96".



# National NAGPRA



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## Indian Reservations in the Continental United States MAP INDEX

[Full Size Map \(PDF\)](#)

0 No Data	102. HUALAPAI	204. RED CLIFF
1. ABSENTEE SHAWNEE *	103. INAJA	205. RED LAKE
2. ACOMA	104. IOWA *	206. RENO-SPARKS
3. AGUA CALIENTE	105. ISABELLA	207. RINCON
4. ALABAMA-COUSHATTA	106. ISLETA	208. ROARING CREEK
5. ALABAMA-QUASSARTE CREEKS *	107. JACKSON	209. ROCKY BOYS
6. ALLEGANY	108. JEMEZ	210. ROSEBUD
7. APACHE *	109. JICARILLA	211. ROUND VALLEY
8. BAD RIVER	110. KAIBAB	212. RUMSEY
9. BARONA RANCH	111. KALISPEL	213. SAC AND FOX #
10. BATTLE MOUNTAIN	112. KAW *	214. SALT RIVER
11. BAY MILLS	113. KIALEGEE CREEK *	215. SANDIA
12. BENTON PAIUTE	114. KICKAPOO *	216. SANDY LAKE
13. BERRY CREEK	115. KIOWA *	217. SANTA ANA
14. BIG BEND	116. KLAMATH *	218. SANTA CLARA
15. BIG CYPRESS	117. KOOTENAI	219. SANTA DOMINGO
16. BIG LAGOON	118. L'ANSE	220. SANTA ROSA
17. BIG PINE	119. LAC COURTE OREILLES	221. SANTA ROSA (NORTH)
18. BIG VALLEY	120. LAC DU FLAMBEAU	222. SANTA YNEZ

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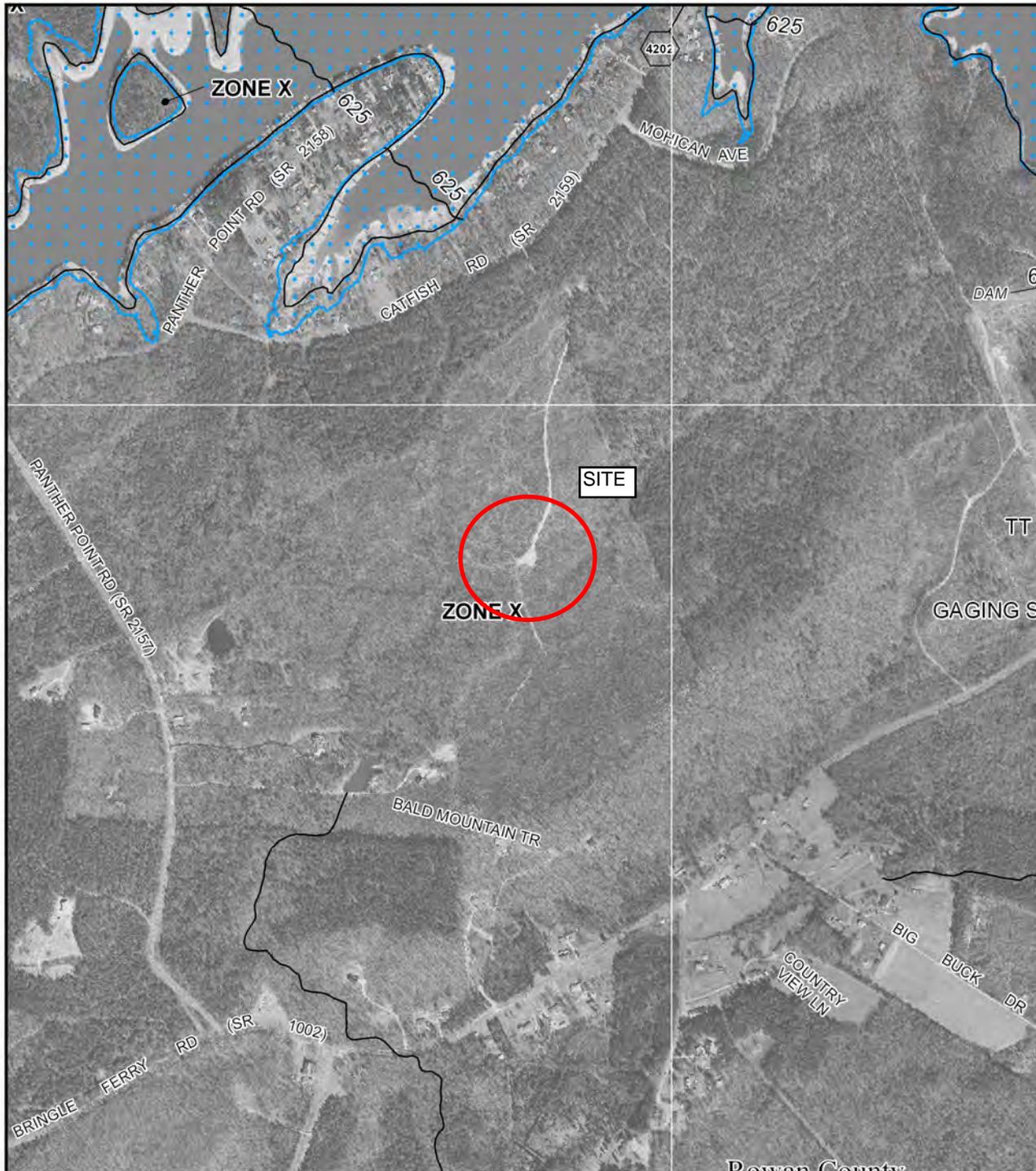
19. BISHOP	121. LAC VIEUX DESERT	223. SANTA YSABEL
20. BLACKFEET	122. LAGUNA	224. SANTEE
21. BRIDGEPORT	123. LAS VEGAS	225. SAN CARLOS
22. BRIGHTON	124. LAYTONVILLE	226. SAN FELIPE
23. BURNS PAIUTE COLONY	125. LA JOLLA	227. SAN ILDEFONSO
24. CABEZON	126. LA POSTA	228. SAN JUAN
25. CADDO *	127. LIKELY	229. SAN MANUAL
26. CAHUILLA	128. LONE PINE	230. SAN PASQUAL
27. CAMPO	129. LOOKOUT	231. SAN XAVIER
28. CAMP VERDE	130. LOS COYOTES	232. SAUK SUIATTLE
29. CANONCITO	131. LOVELOCK COLONY	233. SEMINOLE *
30. CAPITAN GRANDE	132. LOWER BRULE	234. SENECA-CAYUGA *
31. CARSON	133. LOWER ELWAH	235. SEQUAN
32. CATAWBA	134. LOWER SIOUX	236. SHAGTICOKE +
33. CATTARAUGUS	135. LUMMI	237. SHAKOPEE
34. CAYUGA *	136. MAKAH	238. SHEEP RANCH
35. CEDARVILLE	137. MANCHESTER	239. SHERWOOD VALLEY
36. CHEHALIS	138. MANZANITA	240. SHINGLE SPRING
37. CHEMEHUEVI	139. MARICOPA	241. SHINNECOCK +
38. CHEROKEE * #	140. MASHANTUCKET PEQUOT	242. SHOALWATER
39. CHEYENNE-ARAPAHOE*	141. MATTAPONI +	243. SHOSHONE
40. CHEYENNE RIVER	142. MENOMINEE	244. SILETZ
41. CHICKASAW *	143. MESCALERO	245. SISSETON
42. CHITIMACHA	144. MIAMI *	246. SKOKOMISH
43. CHOCTAW * #	145. MICCOSUKEE	247. SKULL VALLEY
44. CITIZEN BAND OF POTAWATOMI *	146. MIDDLETOWN	248. SOBOBA
45. COCHITI	147. MILLE LACS	249. SOUTHERN UTE
46. COEUR D'ALENE	148. MISSION	250. SPOKANE
47. COLD SPRINGS	149. MOAPA	251. SQUAXON ISLAND
		252. ST. CROIX

48. COLORADO RIVER  
49. COLVILLE  
50. COMANCHE \*  
51. COOS, LOWER UMPQUA  
& SIUSLAW  
52. COQUILLE \*  
53. CORTINA  
54. COUSHATTA  
55. COW CREEK  
56. CREEK \*  
57. CROW  
58. CROW CREEK  
59. CUYAIPAPE  
60. DEER CREEK  
61. DELAWARE \*  
62. DEVILS LAKE  
63. DRESSLERVILLE  
COLONY  
64. DRY CREEK  
65. DUCKWATER  
66. DUCK VALLEY  
67. EASTERN SHAWNEE \*  
68. EAST COCOPAH  
69. ELY COLONY  
70. ENTERPRISE  
71. FALLON  
72. FLANDREAU INDIAN  
SCHOOL  
73. FLATHEAD  
74. FOND DU LAC  
75. FORT APACHE

150. MODOC \*  
151. MOLE LAKE  
152. MONTGOMERY CREEK  
153. MORONGO  
154. MUCKLESHOOT  
155. NAMBE  
156. NARRAGANSETT  
157. NAVAJO  
158. NETT LAKE  
159. NEZ PERCE  
160. NIPMOC-  
HASSANAMISCO +  
161. NISQUALLY  
162. NOOKSACK  
163. NORTHERN CHEYENNE  
164. NORTHWESTERN  
SHOSHONE  
165. OIL SPRINGS  
166. OMAHA  
167. ONEIDA #  
168. ONONDAGA  
169. ONTONAGON  
170. OSAGE  
171. OTOE-MISSOURI \*  
172. OTTAWA \*  
173. OUT  
174. OZETTE  
175. PAIUTE  
176. PALA  
177. PAMUNKEY +  
178. PASCUA YAQUI

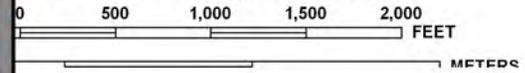
253. ST. REGIS  
254. STANDING ROCK  
255. STEWARTS POINT  
256. STOCKBRIDGE  
MUNSEE  
257. SUMMIT LAKE  
258. SUSANVILLE  
259. SWINOMISH  
260. TAOS  
261. TE-MOAK  
262. TESUQUE  
263. TEXAS KICKAPOO  
264. TOHONO O'ODHAM  
265. TONAWANDA  
266. TONIKAWA \*  
267. TORRES MARTINEZ  
268. TOULUMNE  
269. TRINDAD  
270. TULALIP  
271. TULE RIVER  
272. TUNICA-BILOXI  
273. TURTLE MOUNTAINS  
274. TUSCARORA  
275. TWENTYNINE PALMS  
276. UMATILLA  
277. UNITAH AND OURAY  
278. UNITED KEETOOWAH  
BAND OF CHEROKEE \*  
279. UPPER SIOUX  
280. UPPER SKAGIT  
281. UTE MOUNTAIN

76. FORT BELKNAP	179. PASSAMAQUODDY	282. VERMILION LAKE
77. FORT BERTHOLD	180. PAUCATAUK PEQUOT +	283. VIEJAS
78. FORT BIDWELL	181. PAUGUSETT +	284. WALKER RIVER
79. FORT HALL	182. PAWNEE *	285. WARM SPRINGS
80. FORT INDEPENDENCE	183. PECHANGA	286. WASHOE
81. FORT MCDERMITT	184. PENOBSCOT	287. WEST COCOPAH
82. FORT MCDOWELL	185. PEORIA *	288. WHITE EARTH
83. FORT MOHAVE	186. PICURIS	289. WICHITA *
84. FORT PECK	187. PINE RIDGE	290. WIND RIVER
85. FORT YUMA	188. POARCH CREEK	291. WINNEBAGO #
86. FT. SILL APACHE *	189. POJOAQUE	292. WINNEMUCCA
87. GILA BEND	190. PONCA *	293. WOODFORD INDIAN COMMUNITY
88. GILA RIVER	191. POOSEPATUCK +	294. WYANDOTTE *
89. GOSHUTE	192. PORT GAMBLE	295. XL RANCH
90. GRANDE RONDE	193. PORT MADISON	296. YAKAMA
91. GRAND PORTAGE	194. POTAWATOMI #	297. YANKTON
92. GRAND TRAVERSE	195. PRAIRIE ISLE	298. YAVAPAI
93. GREATER LEECH LAKE	196. PUERTOCITO	299. YERINGTON
94. GRINDSTONE	197. PUYALLUP	300. YOMBA
95. HANNAHVILLE	198. PYRAMID LAKE	301. YSLETA DEL SUR
96. HAVASUPAI	199. QUAPAW *	302. YUROK
97. HOH	200. QUILLAYUTE	303. ZIA
98. HOLLYWOOD	201. QUINAULT	304. ZUNI
99. HOOPA VALLEY	202. RAMAH	
100. HOPI	203. RAMONA	
101. HOULTON MALISEETS		



GRID NORTH

SCALE 1" = 1,000' (1 : 12,000)



PANEL 6626K

# FIRM

## FLOOD INSURANCE RATE MAP

### NORTH CAROLINA

PANEL 6626

(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	CID No.	PANEL	SUFFIX
DAVIDSON COUNTY	370307	6626	K
ROWAN COUNTY	370351	6626	K

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP REVISED  
JUNE 16, 2009

MAP NUMBER  
3710662600K



State of North Carolina  
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

# LEGEND



**SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT**

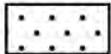
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevation determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Areas to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.



**FLOODWAY AREAS IN ZONE AE**

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.



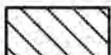
**OTHER FLOOD AREAS**

- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

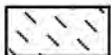


**OTHER AREAS**

- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.



**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**



**OTHERWISE PROTECTED AREAS (OPAs)**

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.



1% annual chance floodplain boundary



0.2% annual chance floodplain boundary



**GRID NORTH**

**SCALE 1" = 1,000' (1 : 12,000)**

0 500 1,000 1,500 2,000  
FEET

METERS

**PANEL 6626K**

## FIRM

**FLOOD INSURANCE RATE MAP  
NORTH CAROLINA**

**PANEL 6626**

(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

**CONTAINS:**

COMMUNITY	CID No.	PANEL	SUFFIX
DAVIDSON COUNTY	370307	6626	R
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State of North Carolina  
Federal Emergency Management Agency

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# U.S. Fish and Wildlife Service National Wetlands Inventory

## High Rock Lake

Dec 14, 2012



### Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

### Riparian

- Herbaceous
- Forested/Shrub

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks: