

Draft Environmental Assessment

**North Carolina Highway Patrol VIPER
Communications Tower – Rendezvous Mountain (HP-1228)**

Millers Creek, Wilkes County, North Carolina

North Carolina Department of Public Safety

FEMA 2010-SS-T0-0075

March 2013

Document Prepared for DHS-FEMA

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Acronym List

ACHP -	Advisory Council on Historic Preservation
AGL -	Above Ground Level
APE -	Area of Potential Effects
A/C -	Air Conditioning
BMP -	Best Management Practices
CFR -	Code of Federal Regulations
CJIN -	Criminal Justice Information Network
dBA -	Decibels (Acoustic)
DHS -	Department of Homeland Security
EA -	Environmental Assessment
EPA -	Environmental Protection Agency
FAA -	Federal Aviation Administration
FCC -	Federal Communications Commission
FEMA -	Federal Emergency Management Agency
FERC -	Federal Energy Regulatory Commission
FIRM -	Flood Insurance Rate Map
FONSI -	Findings of No Significant Impact
FPPA -	Farmland Protection Policy Act
HAP -	Hazardous Air Pollutants
HP -	Highway Patrol
HSGP -	Homeland Security Grant Program
HVAC -	Heating, Ventilation, and Air Conditioning
kW -	Kilowatt
MPSCS -	Michigan Public Safety Communications System

NAD 83 -	North American Datum (1983)
NAVD 88 -	North American Vertical Datum (1988)
NEPA -	National Environmental Policy Act
NC -	North Carolina
NCDENR -	North Carolina Department of Environment and Natural Resources
NC SHPO -	North Carolina State Historic Preservation Office
NHO -	Native Hawaiian Organizations
NHPA -	National Historic Preservation Act
NO _x -	Nitrogen Oxide
NPA -	Nationwide Programmatic Agreement
NPDES -	National Pollutant Discharge Elimination System
NPS RTCA -	National Park Service Rivers, Trails and Conservation Assistance
NRHP -	National Register of Historic Places
OSHA -	Occupational Safety and Health Administration
PC -	Public Comment
PIN -	Parcel Identification Number
TCNS -	Tower Construction Notification System
TEP -	Tower Engineering Professionals, Inc.
THPO -	Tribal Historic Preservation Office
USDA -	United States Department of Agriculture
USFWS -	United States Fish and Wildlife Service
USGS -	United States Geological Survey
USPS -	United State Postal Service
VIPER -	Voice Interoperability Plan for Emergency Responders
VOC -	Volatile Organic Compound

1.0 INTRODUCTION

This Draft Environmental Assessment (EA) analyzes the likely environmental impacts of the proposed Voice Interoperability Plan for Emergency Responders (VIPER) communications tower (Rendezvous Mountain Communications Tower Project) in Millers Creek, Wilkes County, North Carolina. The Federal Emergency Management Agency (FEMA) may fund this project.

FEMA and others prepared this Draft EA in accordance with the National Environmental Policy Act (NEPA) of 1969, the President's Council on Environmental Quality regulations to implement NEPA, 40 Code of Federal Regulations (CFR) Parts 1500-1508, and FEMA's NEPA implementing regulations 44 CFR Part 10. FEMA will use this EA's findings and related Public Comments to determine whether to prepare an Environmental Impact Statement (EIS) or a Finding of No Significant Impact (FONSI) for the proposed project.

The North Carolina Department of Public Safety – North Carolina Highway Patrol applied for Homeland Security Grant Program (HSGP) funds, administered by FEMA. HSGP is one of over 20 grant programs authorized by Congress and implemented to help strengthen the Nation against risks associated with potential terrorist attacks.

2.0 PURPOSE AND NEED

The Proposed Action's purpose is to meet the North Carolina Highway Patrol's radio frequency coverage needs in Wilkes County and parts of surrounding counties, to promote interoperability of Federal, State, and Local government public safety officials and first responders. According to the VIPER North Carolina State Legislative Report, dated December 2004, a VIPER communications network would provide Federal, State, and Local entities the following benefits, which are currently unattainable using existing communication systems:

- Seamless statewide voice communications for public safety officials and first responders
- Seamless interagency communications for public safety officials and first responders
- Unobstructed interagency communication of Federal, State, and, Local law enforcement agencies
- Improved safety of public safety officials and first responders
- Improved public safety services for the citizens of North Carolina.

3.0 ALTERNATIVES CONSIDERED

3.1 NO ACTION

Under No Action, no action would be taken to improve communications between Federal, State, and Local public safety and first response offices and officials in Wilkes County, North Carolina

and parts of surrounding counties. Current emergency communication systems would continue to operate less efficiently, which would continue to limit emergency responses.

Current communications systems operated by many North Carolina State agencies, and local government agencies have multiple problems because of overcrowding of channels, outdated or unserviceable equipment, inadequate vendor support, unavailable replacement parts, and routine system failures. Routine communication system failures would require extensive funding to update existing equipment to meet federal mandates that require narrower bandwidths to conserve and more effectively use the existing frequency spectrum. Additionally, the existing communication systems used throughout Wilkes County are incompatible between State and Local agencies and first responders, which hinders collaborative efforts and interagency operability. This slows emergency and law enforcement response times, and may increase risks to the general population and public safety officials and first responders.

The No Action alternative serves as the baseline to assess the likely impacts of the other project alternatives. The No Action Alternative would not address the needs of public safety officials, including the North Carolina Highway Patrol, first responders, or the citizens of Wilkes County.

3.2 PROPOSED ACTION

Under the Proposed Action, FEMA would fund construction of a VIPER Communications Tower in Millers Creek, Wilkes County, North Carolina. This Rendezvous Mountain Tower Project would be a 140-ft above ground level (AGL), self-supported communications tower, surrounded by an irregular shaped 37 ft x 20 ft x 51 ft x 30 ft x 36 ft x 21 ft security fenced tower compound. The fenced compound would include: one 11' six" x 19' equipment shelter and a stand-alone 80-kW diesel emergency generator mounted on a 5' 6" x 9' 6" concrete foundation pad (Figure 3).

The proposed 140-ft tall self-supported communications tower would be built at a ground surface elevation of 2,549 ft AMSL (NAVD 88), for a total elevation that would enhance communications coverage. This strategically located site would significantly expand the communication coverage radius for Wilkes County, North Carolina and parts of surrounding counties, to enhance interoperable communications for public safety officials and first responders in that area.

3.3 OTHER ALTERNATIVES CONSIDERED AND DISMISSED

Three other project action alternatives were considered and dismissed. The Criminal Justice Information Network (CJIN) Governing Board evaluated these three alternatives, as well as the Proposed Action by to determine which alternative would most effectively meet State and Local governments' radio communication coverage needs.

The first alternative considered was a partnership communications system similar to that used by the State of South Carolina. South Carolina's current system operates on the same system as the VIPER system (Motorola SmartZone 4.1). However, Motorola, Inc. owns and maintains South Carolina's system and associated equipment. Due to the privatization of South Carolina's system and the amount of funding needed to maintain and expand the existing system in South Carolina,

Motorola, Inc. required user fees of \$75 per radio. Due to the high user fees, many local government entities in South Carolina reportedly do not use the system. Therefore, the CJIN Governing Board dismissed this alternative from further consideration for the Rendezvous Mountain Communications Tower Project.

The second alternative considered was a commercially based alternative communications system that was offered by Sprint/Nextel. This system would provide users with a commercial handset or radio/phone combination that used a public commercial radio system. The CJIN Governing Board dismissed this alternative from further consideration because it did not provide a viable and efficient statewide communications system with sufficiently complete coverage.

The third alternative considered was a satellite based communications system. Satellite based systems are not susceptible to most dangers on or near the earth's surface. However, they have many drawbacks, including: limited operation inside buildings or in densely vegetated areas, lengthy delays associated with long signal travel distances, and routine satellite orbit re-alignments and adjustments. Thus, the CJIN Governing Board dismissed this alternative from further consideration because the negatives outweighed the positives.

4.0 AFFECTED ENVIRONMENT AND POTENTIAL IMPACTS

The proposed Rendezvous Mountain Communication Tower Project would be located in the City of Millers Creek, in Wilkes County, North Carolina. The proposed tower site would be located at N 36° 13' 52.0" latitude and W 81° 19' 10.3" longitude (NAD 83), at an elevation of 2,549 ft AMSL (NAVD 88), as shown on the United States Geological Survey (USGS) Purlear, North Carolina 7.5 Minute Topographic Map (Figure 2). The project site is shown on a Google Earth aerial photograph (Figure 4).

Wilkes County Tax Assessor records indicate the proposed site is on a 1,436-acre parcel with Parcel Identification Number 2000719. According to the Wilkes County Tax Assessor, the State of North Carolina owns this parcel.

Wilkes County is located in western North Carolina, covers about 754 square miles, and the Town of Wilkesboro is the county seat. Wilkes County is east of Watauga County, whose County seat is the Town of Boone; and is west of Yadkin County, whose County seat is the Town of Yadkinville. In 2010, Wilkes County's population was 69,430; Wilkesboro's population was 3,128 (U.S. Census Bureau, 2010).

The Proposed Action site is located on a 1,436-acre parcel that is mostly covered by mature hardwood forest. According to the North Carolina Department of Environment and Natural Resources (NCDENR) Natural Heritage Program online database, the proposed site is located next to part of the Rendezvous Mountain Educational State Forest. The proposed access drive would use an existing 12-ft wide earthen and graveled access road. The access road runs southeast from the end of Wyatt Road for about 3,988 ft before reaching the Proposed Action site (Figure 3).

The table below summarizes the Proposed Action’s potential impacts and impact offsetting mitigation measures. After the table, any resources for which potential impacts were identified and those, which must be considered in EAs (wetlands, floodplains, threatened and endangered species and critical habitat, cultural resources, and Environmental Justice), are discussed in detail.

Table 1: Summary of Impacts				
Affected Environment/ Resource	No Impact	No Significant Impact	Significant Impact	Mitigation/Best Management Practices (BMPs)/Additional Information
Geology	X			N/A.
Soil		X		Minor, temporary impacts from soil erosion during construction. Required erosion control BMPs would be used, such as silt fences, wetting bare soil during construction, and vegetating bare soil after construction.
Prime and Unique Farmlands	X			No prime, unique, or statewide or local important farmland on the project site.
Air Quality		X		Minor, temporary impacts from construction dust. Exposed soil would be wetted to control dust. Vehicle and equipment would be properly maintained and running times minimized to reduce emissions.
Wild and Scenic Rivers	X			No wild or scenic rivers in Wilkes County.
Water Quality		X		Minor, temporary impacts from downhill sedimentation during construction. Required soil erosion control BMPs would be used.
Wetlands	X			No wetlands are on or next to the project site.
Floodplains	X			No floodplains or Special Flood Hazard Areas are on the project site.

Coastal Resources	X			N/A.
Vegetation		X		Minor impacts on vegetation from removal within the project site clearing limits; and post-construction grounds maintenance.
Fish and Wildlife		X		Minor, temporary impacts on wildlife during construction from noise and habitat disturbance, and post-construction grounds maintenance.
Threatened and Endangered Species		X		N/A. One threatened or endangered species in Wilkes County, the Bog Turtle (<i>Clemmys muhlenbergii</i>). Project site does not have any suitable habitat.
Migratory Birds		X		Tower lighting would meet Federal Aviation Administration regulations. Tower would be under 500 feet (152 meters) high AGL and would not be located near known rookeries, nesting sites, and/or migratory bird flyways.
Historic Properties	X			In the unlikely event that human remains or cultural or archeological materials and/or artifacts are discovered, all work would stop immediately, and the appropriate authorities (NCSHPO and FEMA) contacted within one working day.
American Indian/Cultural/Religious Sites	X			No impact on archeological resources. However, in the unlikely event that human remains or cultural or archeological materials and/or artifacts are

				discovered, all work would immediately stop and agencies (NC SHPO and FEMA) will be contacted within one working day.
Socioeconomic Concerns		X		N/A
Environmental Justice	X			No adverse impacts. The project would benefit all citizens in Wilkes County and parts of surrounding counties.
Public Health and Safety		X		Improved interoperable communications in Wilkes County and parts of surrounding counties; thus, improved related public health and safety in these areas.
Noise		X		Minor, temporary noise impacts, from construction during working hours (7 a.m. to 5 p.m.); and from occasional, temporary operations and maintenance.
Infrastructure and Utilities		X		N/A
Aesthetics and Visual Impacts		X		N/A

4.1 EARTH RESOURCES

4.1.1 Geology and Soils

Geology would not be impacted by the Proposed Action and was not further evaluated (Geologic Map of North Carolina).

Vegetation clearing, grading, and excavating would temporarily expose soil, and thus temporarily increase soil erosion and downhill sedimentation. BMPs would be used during construction and would include: soil wetting to reduce erosion and dust production, installing silt and sediment control fencing, and seeding and wheat straw mulching of exposed soil. No prime, unique, Statewide or local important farmland is located on site (Appendix D – USDA Unique and Prime Farmland Impact Rating Form).

4.1.2 Air Quality

Normal construction vehicles and equipment use would be during the normal working hours of 7 a.m. to 5 p.m. This would cause minor, short-term adverse impacts on air quality at and near the Proposed Action site. Criteria air pollutants would not exceed accepted levels, resulting in no significant impact to air quality. Construction vehicle and equipment would be properly maintained, and their use would be minimized.

Proposed Action construction would expose about 0.06 acres or less of soil, which would probably not exceed the emissions limits for criteria pollutants or Hazardous Air Pollutants (HAP), and thus, would not significantly impact air quality.

Proposed Action post-construction ambient air quality at and near the Proposed Action site would return to near pre-construction levels. The proposed 40 to 80kW emergency diesel powered generator, located within the tower compound, would be an intermittent, temporary emission source. Emission duration and frequency would be limited by generator use only during power outages and routine inspections. Also, Federal regulations limit backup generator use to 500 hours per year. Generators used at North Carolina Highway Patrol communication tower sites are Generac® Industrial Diesel Generators between 40kW and 80kW. According to Generac® product specification sheets, the generators are classified under Tier III of the EPA Emissions Compliance with an EPA Emissions Engine Reference of JDXL03.0113.

Brendan Davey, North Carolina Department of Environment and Natural Resources (NCDENR), stated that emergency use generators are regulated under Title II of the Federal Clean Air Act. His response also indicated there are no Federal Regulations under the Clean Air Act for emergency use generators that have a rated capacity of less than 590-kW for diesel powered engines (Appendix F).

The Proposed Action's limited emergency generator use would not have any significant adverse air quality impacts from operations-related activities.

4.2 WATER RESOURCES

4.2.1 Wild and Scenic Rivers

The www.rivers.gov website indicates five Designated Wild and Scenic Rivers are located in North Carolina, but none are within Wilkes County. The nearest Designated Wild and Scenic River is part of the New River, located in southern Ashe County, NC, about eight miles northwest of the Proposed Action site. Also, the National Park Service Rivers, Trails, and Conservation Assistance (NPS RTCA) program identified no significant streams within Wilkes County.

The Proposed Action would not notably affect any such wild or scenic rivers, or such significant streams.

4.2.2 Water Quality

The nearest water body that the Proposed Action site drains into is located over 2,000 feet to the north and is named “Sandy Creek.”

Proposed Action tower and compound construction would expose 3,984-ft² (0.09-acres) for less than about three months, resulting in a minor increase of soil erosion and sediment laden runoff from the tower and compound site, staging sites, and the access road. Vehicle and equipment refueling may involve some spills of petroleum products. Since the facility would be less than one acre, an NPDES permit is not required (North Carolina General Statutes § 143-215.1).

Considering the small area of soil that would be exposed, short time soil would be exposed; low probability of spills, small size of most spills, and distance to the nearest water body, the Proposed Action’s construction would probably not significantly affect water quality. Any effects would be reduced or mitigated by using required erosion control BMPs, such as silt fences, straw bales, minimizing exposed soil for each activity, siting staging areas to minimize erosion, replanting as soon as practicable, mulching, temporary and/or permanent gravel covers, and limiting the number and speed of vehicles involved.

Proposed Action’s post-construction operations impacts would be limited to minor soil erosion and downhill sedimentation until the site is fully revegetated, spills during generator refueling, and herbicide use for weed control in the tower compound and on the gravel access road. Potential water quality impacts from a fuel spill, or from herbicide spill or application, would be minor due to the limited occurrences annually and the small amounts that would be involved.

The BMPs mentioned above would continue until the tower compound site is fully revegetated. If required, a Spill Plan will be developed and followed to guide the required response in case of spills. However, under authority of Section 311 (j)(1)(C) of the Federal Water Pollution Act (Clean Water Act) in Title 40, Code of Federal Regulations, Part 112 (40 CFR 112), a facility is not regulated under the SPCC Spill Prevention Plan if the aggregate aboveground storage tank capacity is under 1,320 gallons.

The Proposed Action construction and operation’s effects on water chemical, physical, and biological characteristics are not expected to violate water quality standards and criteria. Thus, the operations are not expected to significantly affect water quality.

4.2.3 Wetlands

Presidential Executive Order (EO) 11990 (wetlands protection) requires federal agencies to take action to minimize wetlands loss. The NEPA compliance process also requires federal agencies to consider their funding actions’ potential impacts on wetlands.

National Wetland Inventory (NWI) maps indicate the Proposed Action site does not have any wetlands (Figure 6). The Proposed Action would not have any notable impact on any wetlands.

4.2.4 Floodplains

The Proposed Action site is not located in a jurisdictional floodplain, based upon review of FEMA Flood Insurance Rate Map (FIRM) Panel #3710390000J, dated 3/2/2009 (Figure 5). The Proposed Action construction and operation, by their location and nature, would not affect any jurisdictional floodplains.

4.3 BIOLOGICAL RESOURCES

4.3.1 Threatened and Endangered Species

In accordance with the Endangered Species Act of 1973 (ESA) Section 7, any federal agency that funds, authorizes, or carries out an action must ensure their action is not likely to jeopardize the continued existence of any threatened or endangered species, or result in the destruction or adverse modification of their designated critical habitats.

One such federally listed species, the Bog Turtle (*Clemmys muhlenbergii*) is known to occur in Wilkes County (USFWS website, 10/22/2010). The Proposed Action site does not have suitable habitat for the Bog Turtle. Thus, the Proposed Action would not affect any federally listed species (USFWS, 1/20/2011; in Appendix B).

4.3.2 Migratory Birds

The Proposed Action construction and operations would have short- and long-term minor impacts on migratory birds. The tower would be self-supporting, only about 140 feet (42.7 m) high above ground level (AGL).

No burrows, nests, rookeries, or other signs of migratory bird species or critical habitat were apparent during Tower Engineering Professional's (TEP) site inspection on 10/21/2010.

Impacts on migratory birds could occur from short-term use of portable cranes to build the tower and install the antennas, ventilation, and air conditioning (HVAC) equipment.

Impacts on migratory birds have been found to occur due to birds' collisions with communications towers, antennas, guy wires (not applicable for this project), and other tall structures, particularly during periods of low visibility and as a result of tower lighting that may attract or distract some species. Variables such as tower height above surrounding trees, design, lighting, seasons, adjacent land features, and migratory patterns would affect the potential and degree of adverse impacts on migratory birds.

The probability of migratory bird collision is difficult to determine programmatically because of the widely ranging variables that affect the potential for collision and the lack of conclusive data on collision causes.

However, a study conducted by Joelle Gehring, Central Michigan University-Biology Department, Avian Collision Study Plan for the Michigan Public Safety Communications System (MPSCS), concluded “Though there are fewer tall towers than towers in the 116 to 146 m AGL height range, towers >305 m (1000.7 feet) AGL are responsible for several times the number of fatalities than shorter towers.”

4.3.3 Wildlife and Fish

Common small mammals, amphibians, insects, and other fauna species typical in western North Carolina may be found on the Proposed Action site, which is currently a mature hardwood forest. Based on information from Wilderness.net and the U.S. Wilderness Areas Map, the Proposed Action site is not located in or next to a designated Wilderness Area. According to correspondence with the USFWS (01/20/2011), the site is not located in or next to an USFWS managed wildlife refuge area.

Proposed Action construction would include clearing some of the site’s vegetation using heavy equipment, which could temporarily affect individual small mammals and amphibians nearby. Based on the small area of construction disturbance, these impacts would be temporary and limited to individual mammals, amphibians, insects, and other fauna. This construction would not significantly affect wildlife species’ overall populations.

Proposed Action operations and maintenance would include mowing vegetation around the fenced compound and along the access drive edges. Mowing in these small areas would keep vegetation in early ecological successional stages of plant community development and prevent reestablishment of some plant species. Facility operations would cause minor habitat degradation and occasional mortality of some wildlife species (e.g., amphibians and small mammals) individuals on the site.

After completion of site development, potentially adverse impacts on wildlife species sensitive to disturbance could result from temporary noise generated by heating and air condition equipment, or the emergency generator. This recurring, temporary, low level disturbance could exclude some wildlife species, or promote colonization by some disturbance tolerant wildlife species.

The Proposed Action construction, operations, and maintenance would not have any significantly adverse impacts on wildlife or wildlife habitat.

4.3.4 Vegetation

The Proposed Action site is located in mixed white pine/hardwood woodlands within the Rendezvous Mountain State Educational Forest. The NCDENR Natural Heritage Program online database shows the Proposed Action site is next to an identified “Significant Natural Area” associated with the Rendezvous Mountain State Educational Forest.

Tower facility construction would include mechanized clearing of about 0.06 acres of site vegetation. Tower facility operations and maintenance would include mowing vegetation around the fenced compound and along the access drive edges.

The Proposed Action construction, operations, and maintenance would not have any significant adverse impacts on vegetation elsewhere on the parent property, or on significant natural areas associated with the Rendezvous Mountain State Educational Forest.

4.4 CULTURAL RESOURCES

4.4.1 Historic Properties

The proposed project would not have an adverse effect on historic and archeological resources and therefore is in compliance with the National Historic Preservation Act (NHPA) Section 106, and 36 CFR Part 800 (Protection of Historic Properties). Historic properties are properties included in the National Register of Historic Places or that meet National Register listing criteria.

The Federal Communications Commission (FCC) is required under the National Historic Preservation Act (NHPA) to consider impacts that proposed communications tower facilities, operating with a FCC license, may have on historic properties. On October 23, 2009, the Advisory Council on Historic Preservation (ACHP) issued a Program Comment (PC) for “Streamlining the Section 106 Review for Wireless Communications Facilities Construction and Modification Subject to Review Under the FCC National Programmatic Agreement (NPA) and/or the NPA for Collocation of Wireless Antennas.” According to the ACHP PC, FEMA is not required to conduct and complete its own Section 106 review process (no duplication of efforts). Therefore, the Section 106 review conducted as part of the FCC NEPA review is described in this EA and no additional Section 106 review was conducted or required by FEMA.

4.4.2 FCC Nationwide Programmatic Agreement

To assist with the NHPA Section 106 review process, the FCC developed and instituted the Tower Construction Notification System (TCNS) using Form(s) 620/621. Form 620 is used to submit site specific information and records of Local government consultations with the State Historic Preservation Officer (SHPO), and for American Indian Tribes through the Tribal Historic Preservation Officers (THPOs), for proposed communications tower facilities. Form 621 is also used for submitting site specific information and records of Local government consultations with the SHPO, for proposed collocations of antennas on existing communications towers or non-tower structures such as buildings, elevated water tanks, and electric transmission towers. TEP used the FCC TCNS system to notify SHPO and the THPOs of the Proposed Action on 1/7/2011 and was assigned TCNS# 72352 for the proposed Rendezvous Mountain Communication Tower Project site.

4.4.3 FCC Tower Construction Notification System

TCNS is available through the Internet at <https://wireless2.fcc.gov/ulsclogin/index.htm> and requires an identification number or FRN. Using TCNS, entities can input site specific

information on a proposed communications facility, regarding its location, structure type, and structure height with and without appurtenances. Information inserted into TCNS is then made available to the applicable SHPOs and THPOs that have expressed interest in a specified geographic area.

4.4.4 State Historic Preservation Officer

TEP consulted the SHPO and the NC Office of State Archeology to view the applicable USGS 7.5-minute topographic quadrangle maps (Purlear) to assess potential significant impacts on architectural, historic, or archeological sites near the Proposed Action. In addition, TEP contracted Environmental Services, Inc., a cultural resources consulting firm, to perform a Phase I Archeological Evaluation, to make an assessment of the potential direct effects the proposed action may have on archaeological resources. The Archeological Evaluation concluded that no archaeological resources eligible for inclusion in the National Register of Historic Places would be affected by the proposed Rendezvous Mountain Communication Tower Project.

In addition, the evaluation concluded that no additional archaeological investigation was recommended for this project. Further, TEP received concurrence from Ms. Renee Gledhill-Earley of NC Dept. of Cultural Resources-Environmental Review Coordinator and Ms. Susan G. Myers of NC Dept. of Cultural Resources: Office of State Archaeology-Project Registrar, regarding the proposed project on 2/7/2011 for FCC requirements that included a 0.5 mile visual Area of Potential Effects (APE) (Appendix C).

4.4.5 American Indian/Cultural/Religious Sites

The TCNS system notified seven American Indian Tribes that expressed interest in Wilkes County, North Carolina: Eastern Band of Cherokee Indians, Tuscarora Nation, Cherokee Nation, United Keetoowah Band of Cherokee Indians, Eastern Shawnee Tribe of Oklahoma, Shawnee Tribe, and Catawba Indian Nation. TEP used the provided TCNS tribe list to contact these Tribes a second time, on 1/18/2011, to obtain additional information on the Proposed Action. All Tribes concurred with the Proposed Action (Appendix E).

TEP sent follow-up notification letters on and 1/17/2011 and 1/18/2011 to each American Indian Tribe (if needed) identified by the TCNS system. Under the FCC NPA, all American Indian Tribes that have indicated interest in the area are required to respond within 30 days of receiving notification. If a response is not received within that timeframe, then a second “follow-up” notification is done to obtain response. When no response is received after the “follow-up” notification, then the FCC must be notified and interagency consultations are done with the non-responsive Tribe or NHO. Sections 4.4.5.1 through 4.4.5.7 summarize the consultations.

4.4.5.1 Eastern Band of Cherokee Indians

TEP provided a follow-up notification letter to Ms. Yolanda Saunooke of the Eastern Band of Cherokee Indians on 1/17/2011 by email. TEP received concurrence from the Eastern Band of Cherokee Indians by email and through the FCC TCNS System on 1/19/2011 that stated, “The

EBCI THPO concurs with the archeologist's recommendations that no archeological sites eligible for inclusion on the National Register of Historic Places were encountered during the recent phase I archeological field survey. It is the opinion of the EBCI THPO that no cultural resources important to the Cherokee people will be adversely affected by the proposed undertaking. As such, the proposed undertaking may proceed as planned. In the event that construction plans change, or cultural resources or human remains are encountered during the construction phase, all work should cease, and this office notified to continue consultation as mandated under Section 106 of the NHPA." (Appendix B).

4.4.5.2 Tuscarora Nation

TEP provided no follow-up notification to the Tuscarora Nation as the TNCS states "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 the participating in the 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. On 1/7/2011, the TCNS system notified all Tribes that indicated interest in Wilkes County, NC. The 30-day comment period ended on 2/7/2011. TEP received no response from the Tuscarora Nation before issuance of this Draft EA and no additional consultation was required.

4.4.5.3 Cherokee Nation

TEP provided a follow-up notification letter to Dr. Richard Allen of the Cherokee Nation on 1/17/2011 by email. TEP received concurrence from the Cherokee Nation by email on 2/15/2011 that stated, "The Cherokee Nation has no knowledge of any historic, cultural or scared sites within the affected area. Should any ground disturbance reveal an archeological site of human remains, we ask that the all activity cease immediately and the Cherokee Nation and other appropriate agencies be contacted immediately." (Appendix B).

4.4.5.4 United Keetoowah Band of Cherokee Indians

TEP provided a follow-up notification letter to Ms. Lisa C. LaRue-Stopp of the United Keetoowah Band of Cherokee Indians on 1/18/2011 by email. TEP received concurrence from the United Keetoowah Band of Cherokee Indians by email on 1/24/2011 that stated, "This location is in our historic interest area, but we have no objections. However if any human remains and/or associated funerary items are inadvertently discovered, please cease work immediately and contact us at 918-822-1952." (Appendix B).

4.4.5.5 Eastern Shawnee Tribe of Oklahoma

TEP provided no follow-up notification to the Eastern Shawnee Tribe of Oklahoma as the TNCS system states, "If you, the Applicant/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))" On 1/7/2011, the TCNS system notified all Tribes that indicated interest in Wilkes County. The 30-day comment period ended on 2/7/2011. TEP received no response from Eastern Shawnee Tribe of Oklahoma before the issuance of this Draft EA and no additional consultation was required.

4.4.5.6 Shawnee Tribe

TEP provided follow-up notification to Ms. Kim Jumper of the Shawnee Tribe on 1/18/2011, by standard U.S. mail. TEP received concurrence from the Shawnee Tribe on 2/11/2011, that stated; "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." (Appendix B).

4.4.5.7 Catawba Indian Nation

TEP provided a follow-up notification to Ms. Wenonah Haire of the Catawba Indian Nation Tribal Historic Preservation Office on 1/18/2011, by standard U.S. mail. TEP received concurrence from the Catawba Indian Nation on 1/24/2011 that stated, "The Catawba have no immediate concerns with regard to traditional cultural properties, scared 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.**" (Appendix B).

4.4.6 Inadvertent Discovery

In the unlikely event that project activities result in the inadvertent discovery of human remains, cultural or archeological materials, all ground-disturbing activities will immediately stop and all appropriate agencies, such as FEMA, NC SHPO, and THPOS will be contacted within one working day.

4.5 SOCIOECONOMIC CONCERNS

4.5.1 Environmental Justice

Presidential Executive Order (EO) 12898, "*Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations.*" directs federal agencies "to make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low income populations in the United States."

The Proposed Action would not adversely affect any low-income or minority populations. It would positively affect all segments of the population of all populations in Wilkes County, NC by improving emergency services communications.

4.5.2 Noise

The Proposed Action in a rural part of Wilkes County is primarily with low density residential land use. The ambient noise levels associated with rural residential areas would be anticipated to reach between 35 and 45 dBA (FERC 2002, EPA 1978).

The Proposed Action would temporarily increase local noise during construction. The amount and type of noise disturbance would vary depending on the type of machinery used, distance from the construction site and noise source, construction schedule and duration, and site specific, and area specific conditions. Heavy machinery use may result in temporary, minor adverse impacts on nearby low-density residences. The nearest residence from the proposed tower site and noise source is about 2,600 feet to the west-northwest. This residence is separated from the Proposed Action site by about 2,400 feet of dense forest and is about 400 feet in elevation below the Proposed Action site. Construction-related noise would typically occur during normal working hours (7:00 a.m. to 5:00 p.m.) and for about five weeks. Noise levels at 50 feet or more from the proposed construction site should be under 85 dBA. Noise levels before and after construction would likely drop to the ambient noise levels of the project area.

Construction noise levels would be temporary (no more than eight hours during weekdays for a total of about five weeks). Noise levels at 50 feet or more from the Proposed Action site should be under 85 dBA. These noise levels would be partly masked by trees and other vegetation around the site. Thus, construction noise levels would not be significant.

The project area's ambient noise levels would return to normal after the proposed construction is finished. Temporary operations-related noise increases would be caused by the proposed project's two air conditioning (A/C) and heating units and emergency generator. The A/C units regulate the equipment shelter's internal temperature and the diesel fueled emergency generator provides electric power to the facility, as needed, in emergency situations, when the normal supply of electrical power would be interrupted.

The Proposed Action would include use of a 40- to 80-kW diesel fueled emergency generator that produces noise levels of about 80 dBA at 23 feet from the source. This generator would not increase site ambient noise levels due to use only during power outages and routine maintenance and tests. Federal regulations limit emergency generator use to 500 hours per year. Thus, the Proposed Action would not have significant long-term noise impacts.

4.5.3 Traffic

The Proposed Action would have minimal impact on traffic during construction. The existing site has traffic patterns typical in rural residential and agricultural areas. Existing roads would be used as much as possible during construction and during normal operations. Traffic flow and control during construction would meet all local and State traffic requirements.

Proposed Action construction and operations traffic would not significantly impact local traffic or transportation networks.

4.5.4 Public Service and Utilities

The Proposed Action area has existing electricity and communications utilities along Wyatt Road that would provide electrical and telephone services for the Proposed Action.

Proposed Action construction and operations impacts are not expected to lead to supply shortages or require utility system changes. Impacts on utilities would not be significant.

4.5.5 Public Health and Safety

The Proposed Action would involve construction within a forested part of an approximately 1,436 acre parcel. Based on the proposed antenna's elevation (over 10 meters AGL) and because the site would be located within a restricted area protected by fencing and appropriate signage, radio frequency emissions would not adversely affect human health or safety.

Also, implementation of worker safety rules, per Occupational Safety and Health Administration safety and health standards, would establish a uniform set of safety practices and procedures to protect workers. Construction related impacts to human health and safety would not be significant.

Under the authority of Section 311 (j) (1) (C) of the Federal Water Pollution Act (Clean Water Act) in Title 40, Code of Federal Regulations (CFR), Part 112, a facility is not regulated under the SPCC Spill Prevention Plan if the total aboveground storage tank capacity is under 1,320 gallons.

The Proposed Action operations would not have a significant impact on human health and safety, but would have a substantial positive impact on human health and safety. Operations would have substantial positive impact on public health and safety from improved public safety and emergency communications for Wilkes County and parts of surrounding counties.

4.6 CUMULATIVE IMPACTS

Cumulative impacts are an individual action's environmental impacts when combined with the environmental impacts of other actions in the past, present, and foreseeable future (about 20 years). Cumulative impacts result from individually less than significant impacts, but collectively significant impacts that occur over time and apply to a given resource type or area of concern.

The North Carolina Highway Patrol has built 63 of the proposed 119 new tower sites associated with complete VIPER Network. According to information from the FCC Antenna Structure Registration (ASR) System, there are currently 4,584 registered towers in North Carolina, including the 63 "active" VIPER network towers. After VIPER network system completion, with construction of the last 56 new towers, the number of registered communications towers, if no other providers construct new tower sites and no towers are damaged or destroyed, would be 4,606. The proposed 119 VIPER network towers, including the 56 towers remaining to be built would result increase the number of communications towers in North Carolina by about 0.48%. The Proposed Action's purpose to meet the North Carolina Highway Patrol's current radio

frequency coverage requirements in Wilkes County and parts of surrounding counties; and the need is to protect the lives, property, environment, and quality of life for over 69,000 people.

The Proposed Action would not have any significant cumulative impacts on any resource area within the parameters described in Section 4 of this Draft EA. Any construction or operation related impact on any resource would be minor and temporary.

5.0 AGENCY COORDINATION, PUBLIC INVOLVEMENT AND PERMITS

TEP contacted the Rendezvous Mountain Educational State Forest, Wilkes County Planning Department, and the Wilkesboro Historic Preservation Society regarding the Proposed Action by USPS mail on 1/17/2011, inviting them to be a consulting party regarding any potential impact to historical or archaeological resources in the area. TEP received no response to those notices as of the publication of this Draft EA. TEP also published a Public Notice in the “Wilkes Journal Patriot” newspaper on 1/10/2011 and 3/7/2012, regarding any impacts the Proposed Action may have on historic resources within the APE. TEP received no responses to the Public Notices or letters requesting comments as of the issuance of this Draft EA.

6.0 CONCLUSIONS

The Proposed Action would require construction of a new radio transmitting and receiving, self-supporting tower over 200 feet AGL, thus this site specific FEMA HSGP NEPA EA was required. The Proposed Action would not involve any unusual risks or impacts to resources discussed in Section 4 of this Draft EA. Under the No Action Alternative, there would not be complete interoperable communications capability in Wilkes County, North Carolina and parts of surrounding counties. Existing public safety interoperable communications gaps would continue and adversely impact public health and safety.

In accordance with 47 CFR Section 1.1307 (a)(1) through (8), an evaluation was made to determine if any of the listed FCC special interest items would be significantly affected if a tower and/or antenna and associated equipment control cabinets were constructed at the Proposed Action site. No FCC special interest items were identified that would require an FCC NEPA EA (Appendix E).

If there are no significant, validated negative Public Comments about this Proposed Action’s impacts, as described in this Draft EA, by the end of this Draft EA’s Public Comment Period, then this Draft EA will become the Final Environmental Assessment and FEMA Region IV will issue a “Finding of No Significant Impact” (FONSI) for this Proposed Action.

7.0 LIST OF PREPARERS

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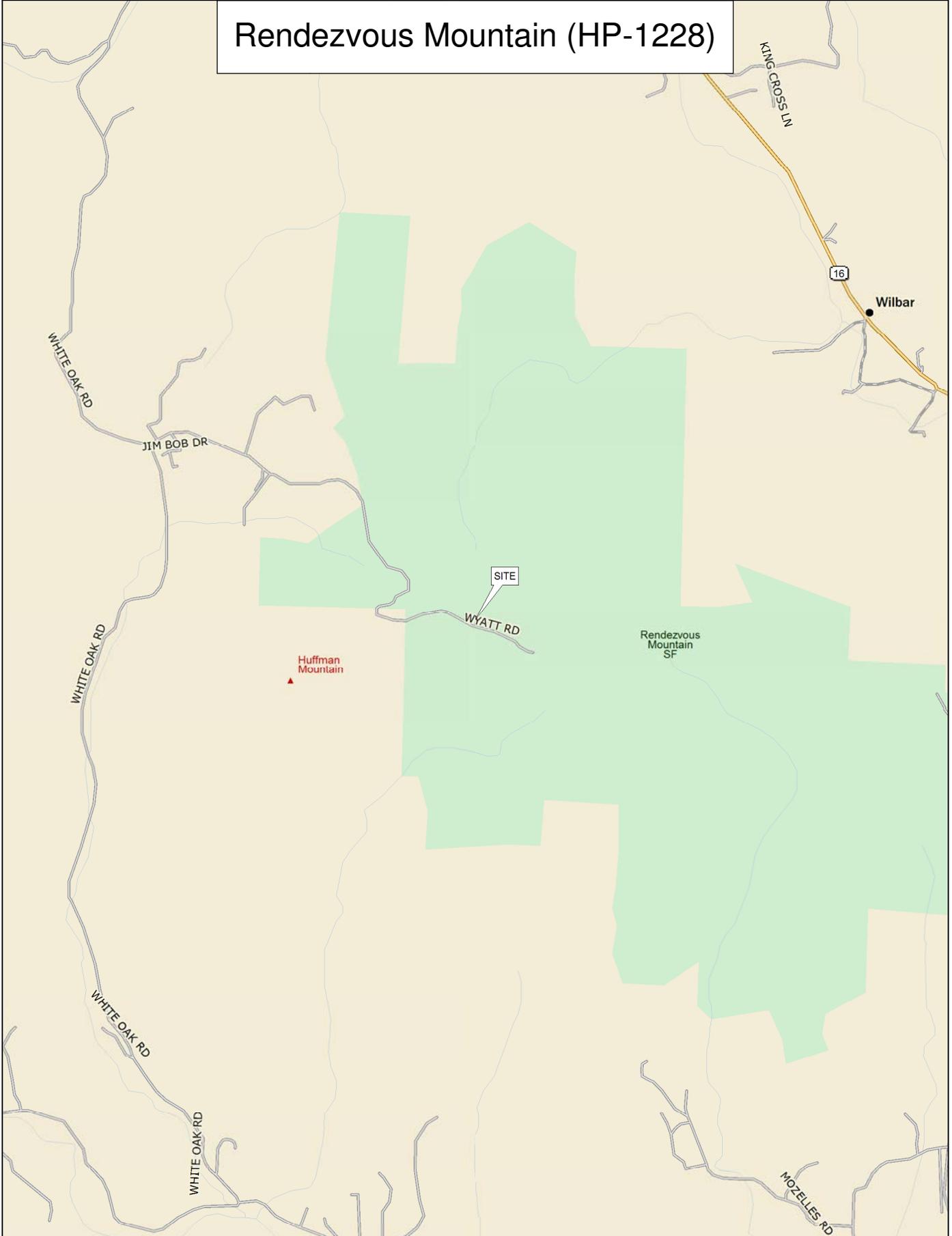
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FIGURES

Figure 1: Site Vicinity Map

Rendezvous Mountain (HP-1228)



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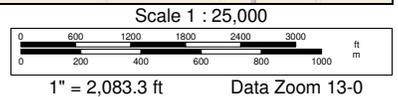
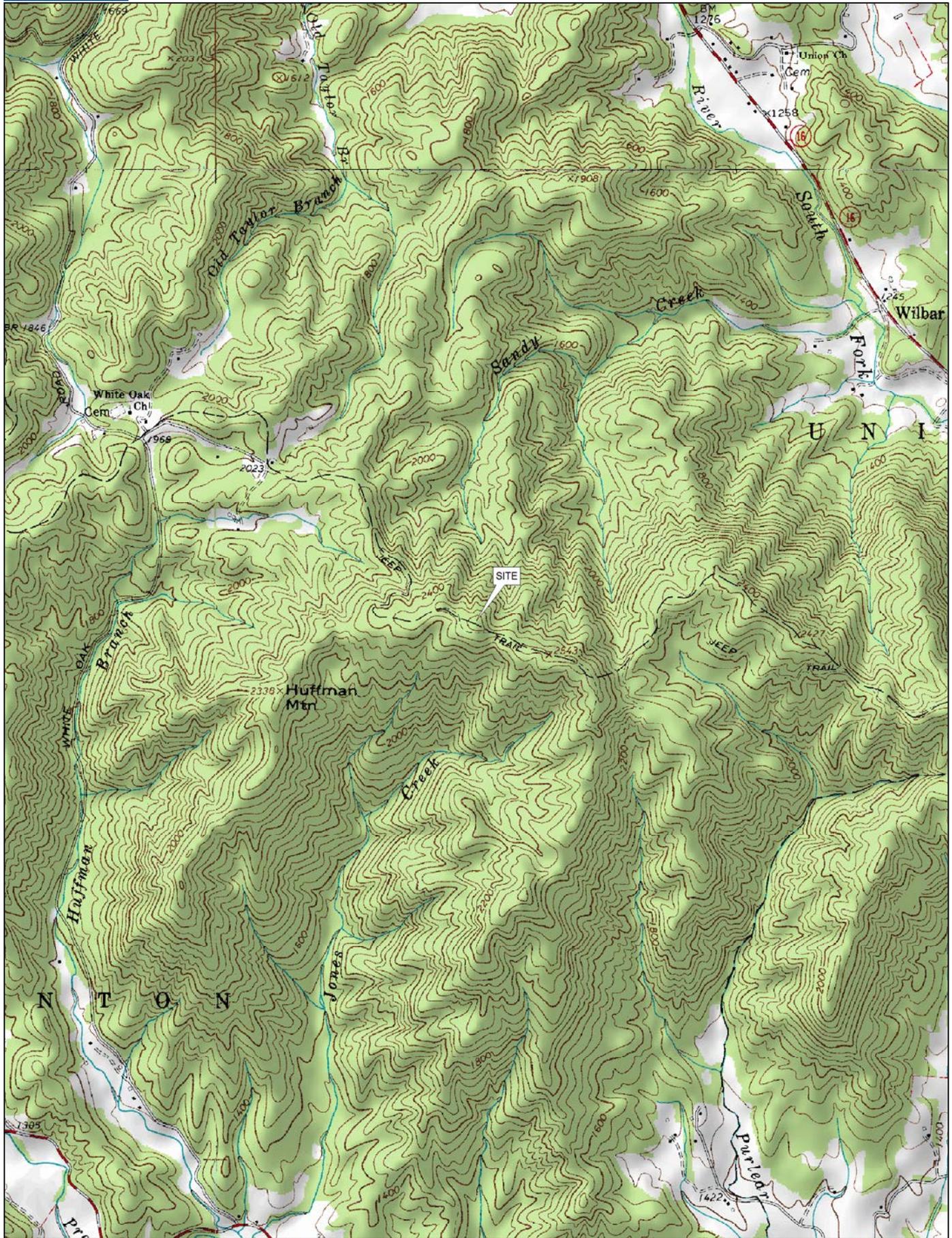


Figure 2: Topographic Map



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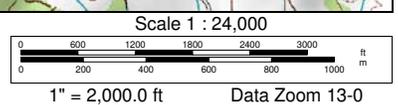
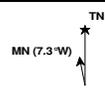
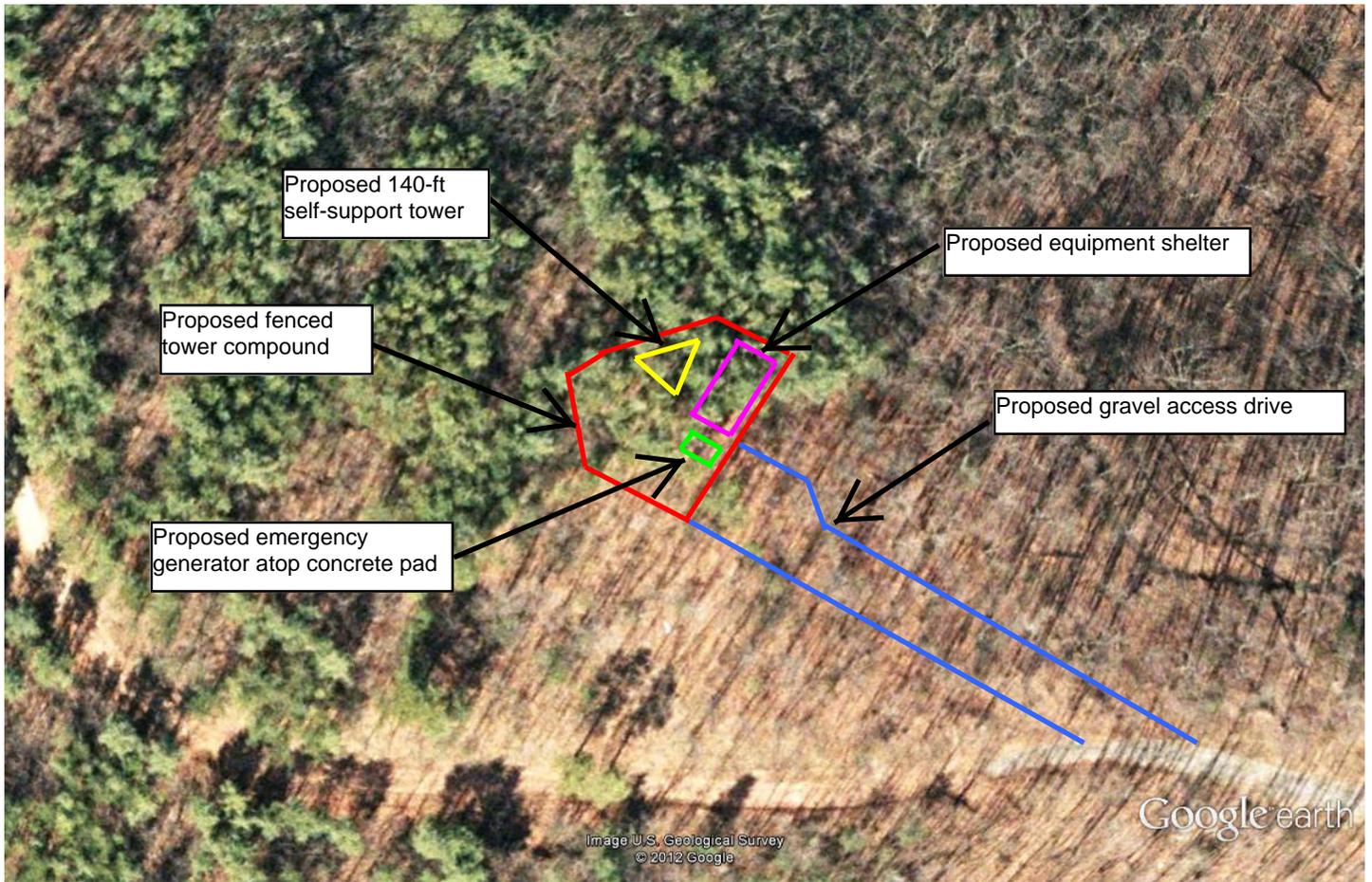


Figure 3: Site Plan



Google earth

feet
meters

200

80

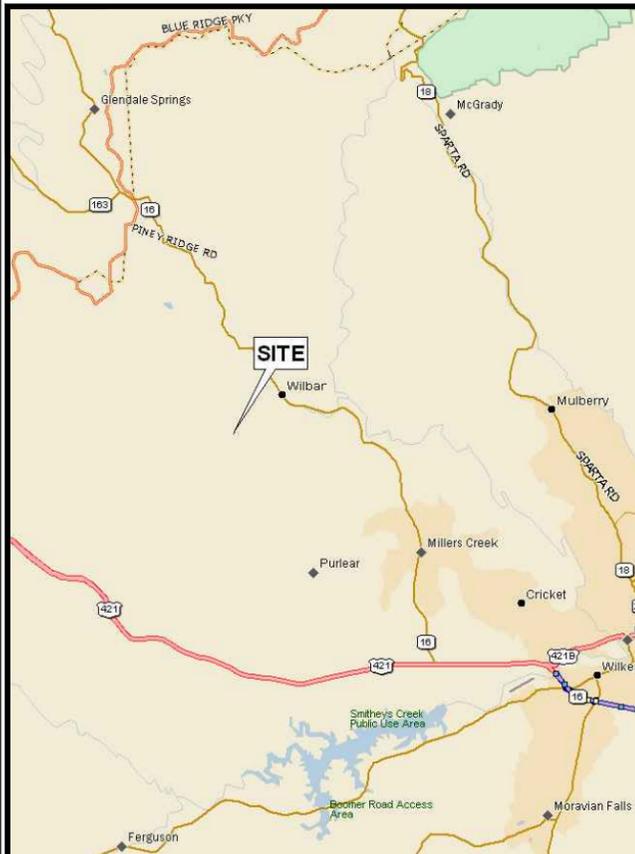


APPLICANT/OWNER:



SITE #: HP-1228
SCO ID #: 09-07591-01H

N.C. HIGHWAY PATROL
3318 GARNER ROAD, BLDG. 2
OFFICE: (919) 662-4440



VICINITY MAP

FROM RALEIGH, NC, WEST ON I-40 FOR APPROXIMATELY 90 MILES. TAKE EXIT 206 ONTO US 421 WEST AND CONTINUE STRAIGHT FOR APPROXIMATELY 50 MILES. TURN RIGHT ONTO BOILING SPRINGS ROAD. AFTER 2.5 MILES KEEP RIGHT ON BOONE TRAIL. IN 1 MILE TURN LEFT ONTO PARSONSVILLE ROAD. AFTER 2.6 MILES TURN RIGHT ON WHITE OAK ROAD FOLLOWED BY ANOTHER RIGHT ONTO WYATT ROAD. FOLLOW WYATT ROAD CROSSING INTO NC STATE PARK LAND, PAST THE ACCESS ROAD GATE FOR APPROXIMATELY 1.3 MILES AND THE SITE WILL BE ON THE LEFT.

DRIVING DIRECTIONS

PROJECT INFORMATION:

PROPOSED TELECOMMUNICATIONS FACILITY

SITE NAME: HIGHWAY PATROL

RENDEZVOUS MOUNTAIN

AERONAUTICAL STUDY NO:

2010-ASO-3434-OE

SITE ADDRESS:

585 WYATT ROAD MILLERS CREEK, NC 28651 (WILKES COUNTY)

LATITUDE N 36° 13' 52.073" (NAD '83)
LONGITUDE W 081° 19' 10.309" (NAD '83)
GROUND ELEVATION = 2533.5' (NAVD '88)

*PER 1-A CERTIFICATION BY TOWER ENGINEERING PROFESSIONALS, INC. DATED 04-24-11

1-A CERTIFICATION

APPLICANT/ TOWER OWNER:

NAME NORTH CAROLINA HIGHWAY PATROL
ADDRESS 3318 GARNER ROAD, BUILDING TWO
CITY, STATE, ZIP RALEIGH, NC 27610
CONTACT MARTY RANDALL
PHONE (919) 662-4440

APPLICANT / LESSEE:

NAME US CELLULAR
ADDRESS 1125 CORPORATE DRIVE
CITY, STATE, ZIP GREENVILLE, NC 27858
CONTACT GARY WILLIAMS
PHONE (252) 439-2052

PROPERTY OWNER:

NAME STATE OF NORTH CAROLINA
ADDRESS UNKNOWN
CITY, STATE, ZIP UNKNOWN
CONTACT UNKNOWN
PHONE UNKNOWN

AREA OF CONSTRUCTION: 2,500 SQ. FT.±
PRESENT OCCUPANCY TYPE: VACANT LOT
PROPOSED OCCUPANCY TYPE: TELECOMMUNICATIONS FACILITY
CURRENT ZONING: UNZONED
PARCEL ID NUMBER: 2000719
JURISDICTION: WILKES COUNTY

UTILITIES:

POWER COMPANY: BREMC
CONTACT: CUSTOMER SERVICE
PHONE: (828) 758-2383
POLE # NEAR SITE: 04 09 009
TELEPHONE COMPANY: T.B.D.
CONTACT: T.B.D.
PHONE: T.B.D.
PEDESTAL # NEAR SITE: WO 1 13

PROJECT SUMMARY

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

1. NORTH CAROLINA BUILDING CODE (2012 EDITION)
2. LOCAL BUILDING CODE
3. CITY/COUNTY ORDINANCES
4. ANSI/TIA/EIA-222-G (2008 EDITION)
5. NORTH CAROLINA ELECTRIC CODE (2008 EDITION)

CODE COMPLIANCE

SURVEYOR:

NAME TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS 3703 JUNCTION BOULEVARD
CITY, STATE, ZIP RALEIGH, NC 27603
CONTACT CLIFFORD C. BYRD, P.L.S.
PHONE (919) 661-6351

CIVIL ENGINEER:

NAME TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS 3703 JUNCTION BOULEVARD
CITY, STATE, ZIP RALEIGH, NC 27603
CONTACT JOHN GOINS, P.E.
PHONE (919) 661-6351

STRUCTURAL ENGINEER:

NAME N/A
ADDRESS N/A
CITY, STATE, ZIP N/A
CONTACT N/A
PHONE N/A

ELECTRICAL ENGINEER:

NAME TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS 3703 JUNCTION BOULEVARD
CITY, STATE, ZIP RALEIGH, NC 27603
CONTACT J. RUSSELL HILL, P.E.
PHONE (919) 661-6351

GEOTECHNICAL ENGINEER:

NAME TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS 3703 JUNCTION BOULEVARD
CITY, STATE, ZIP RALEIGH, NC 27603
CONTACT JOHN D. LONGEST, P.E.
PHONE (919) 661-6351

TOWER MANUFACTURER:

NAME T.B.D.
ADDRESS T.B.D.
CITY, STATE, ZIP T.B.D.
CONTACT T.B.D.
PHONE T.B.D.

PROJECT TEAM

LEASEE:



SITE NAME: MILLERS CREEK
SITE #: 766310

1125 CORPORATE DRIVE
GREENVILLE, NC 27858
OFFICE: (252) 439-2052



IF YOU DIG IN
NORTH CAROLINA...
CALL US FIRST!
1-800-632-4949
NORTH CAROLINA ONE CALL
IT'S THE LAW

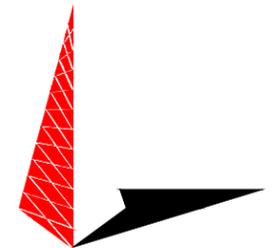
THE UTILITIES SHOWN HEREON ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

UTILITY STATEMENT

SHEET	DESCRIPTION	REV
T1	TITLE SHEET	0
T2	N.C. APPENDIX B, PART I	0
T3	N.C. APPENDIX B, PART II	0
T4	N.C. APPENDIX B, PART III	0
T5	N.C. APPENDIX B, PART IV	0
N1	PROJECT NOTES	0
C1	SITE PLAN	0
C2	LEGAL DESCRIPTION	0
C3	COMPOUND DETAIL	0
C4	TOWER ELEVATION	0
C5	SHELTER ELEVATIONS	0
C6	SHELTER FOUNDATION DETAIL	0
C7	GENERATOR FOUNDATION DETAILS	0
C8	ICE BRIDGE DETAILS	0
C9	ANTENNA & COAX MOUNTING DETAILS	0
C10	SHELTER ACCESS DETAILS	0
C11	FENCE DETAILS	0
E1	ELECTRICAL NOTES	0
E2	SERVICE ROUTING PLAN	0
E3	ONE LINE DIAGRAM, PANEL SCHEDULE & NOTES	0
E4	EQUIPMENT GROUNDING PLAN	0
E5	GROUNDING DETAILS I	0
E6	GROUNDING DETAILS II	0
	US CELLULAR DETAILS	0
C12	SHELTER ELEVATIONS	0
C13	SHELTER FOUNDATION DETAILS	0
C14	ICE BRIDGE DETAILS	0
C15	COAX MOUNTING DETAILS	0
C16	ANTENNA MOUNTING DETAILS	0
E2	ONE LINE AND POWER PANEL SCHEDULE	0
E3	POWER/TELCO PLAN	0
E4	EQUIPMENT GROUNDING PLAN	0
E5	GROUNDING DETAILS	0
E6	GROUNDING DETAILS	0
E7	GROUNDING DETAILS	0

INDEX OF SHEETS

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

REV	DATE	ISSUED FOR:
0	03-08-12	PRELIMINARY CONSTRUCTION

DRAWN BY: TRG CHECKED BY: JBG

SEAL:



SEAL:

SHEET NUMBER: T-1	REVISION: 0
TEP #: 100826	

**S.R. 1336
(WYATT RD.)**
45' RIGHT OF WAY

END OF STATE ROAD

**JERRY AND DONNA WYATT
PARCEL ID # 1800399
DB 828 PG 107**

30' JOINT PERPETUAL EASEMENT RIGHT OF WAY FOR INGRESS AND EGRESS CONVEYED TO RENDEVEOUZ MOUNTAIN TIMBER COMPANY IN DEED BOOK 571 AT PAGE 290, THENCE GRANTED TO THE STATE OF NORTH CAROLINA IN DEED BOOK 819 AT PAGE 395. SAID EASEMENT FOLLOWS THE PATH OF EXISTING C.C. CAMP ROAD.

**SHARON GRIFFIN
PARCEL ID # 1800260
DB 1110 PG 224**

**RICKY AND BETTY OSBORNE
PARCEL ID # 1800402
DB 1017 PG 240**

**KENNETH CROUSE
PARCEL ID # 1800395
DB 785 PG 700**

**RICKY AND BETTY OSBORNE
PARCEL ID # 1800403
DB 1106 PG 232**

NOTE:

PROPERTY CONVEYED ALONG WITH SAID 30' JOINT PERPETUAL EASEMENT RIGHT OF WAY FOR INGRESS AND EGRESS AS DESCRIBED IN DEED BOOK 737 AT PAGE 199, SAID EASEMENT FOLLOWS THE PATH OF EXISTING C.C. CAMP ROAD.

S 24°20'52" W 39.24' IPF

**STATE OF NORTH CAROLINA
PARCEL ID # 2000719
DB 819 PG 395**

SITE PLAN OVERVIEW

SCALE: N.T.S.

WATER SUPPLY NOTE:

THE APPROVED WATER SUPPLY PER SECTION 508.1 OF THE NC FIRE CODE HAS BEEN ADDRESSED BY NOTIFYING THE WILKES COUNTY FIRE MARSHAL OF THE LOCATION OF THE PROPOSED SITE. THE MARSHAL HAS RESPONDED WITH A LETTER THAT STATES THE MILLER'S CREEK FIRE DISTRICT RESPONSE IN A LETTER ADDRESSED TO THE NORTH CAROLINA DEPARTMENT OF ADMINISTRATION - STATE CONSTRUCTION OFFICE, DATED 02-04-11.

PROPOSED TELECOMMUNICATIONS FACILITY. SEE SHEET C-3 FOR DETAILS.

PROPOSED LEASE AREA. SEE SHEET C-2 FOR DETAILS.

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

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 NOVEMBER 3, 2010.
4. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X," AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN (FEMA/FIRM MAP NUMBER 3710390000J).
6. SUBJECT PIN: 2000719
7. PROPERTY OWNER: STATE OF NORTH CAROLINA

SITE PLAN

SCALE: 1" = 300'



PLANS PREPARED FOR:



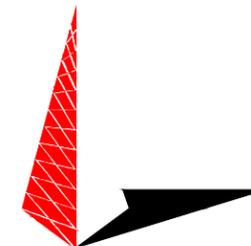
3318 GARNER ROAD, BLDG. 2
RALEIGH, NC 27607
OFFICE: (919) 662-4440

PROJECT INFORMATION:

**RENDEZVOUS MOUNTAIN
SITE # HP-1228
SCO ID # 09-07591-01H**

585 WYATT ROAD
MILLERS CREEK, NC 28651
(WILKES COUNTY)

PLANS PREPARED BY:

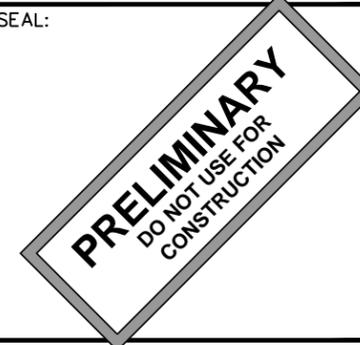


TOWER ENGINEERING PROFESSIONALS

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

N.C. LICENSE # C-1794

SEAL:

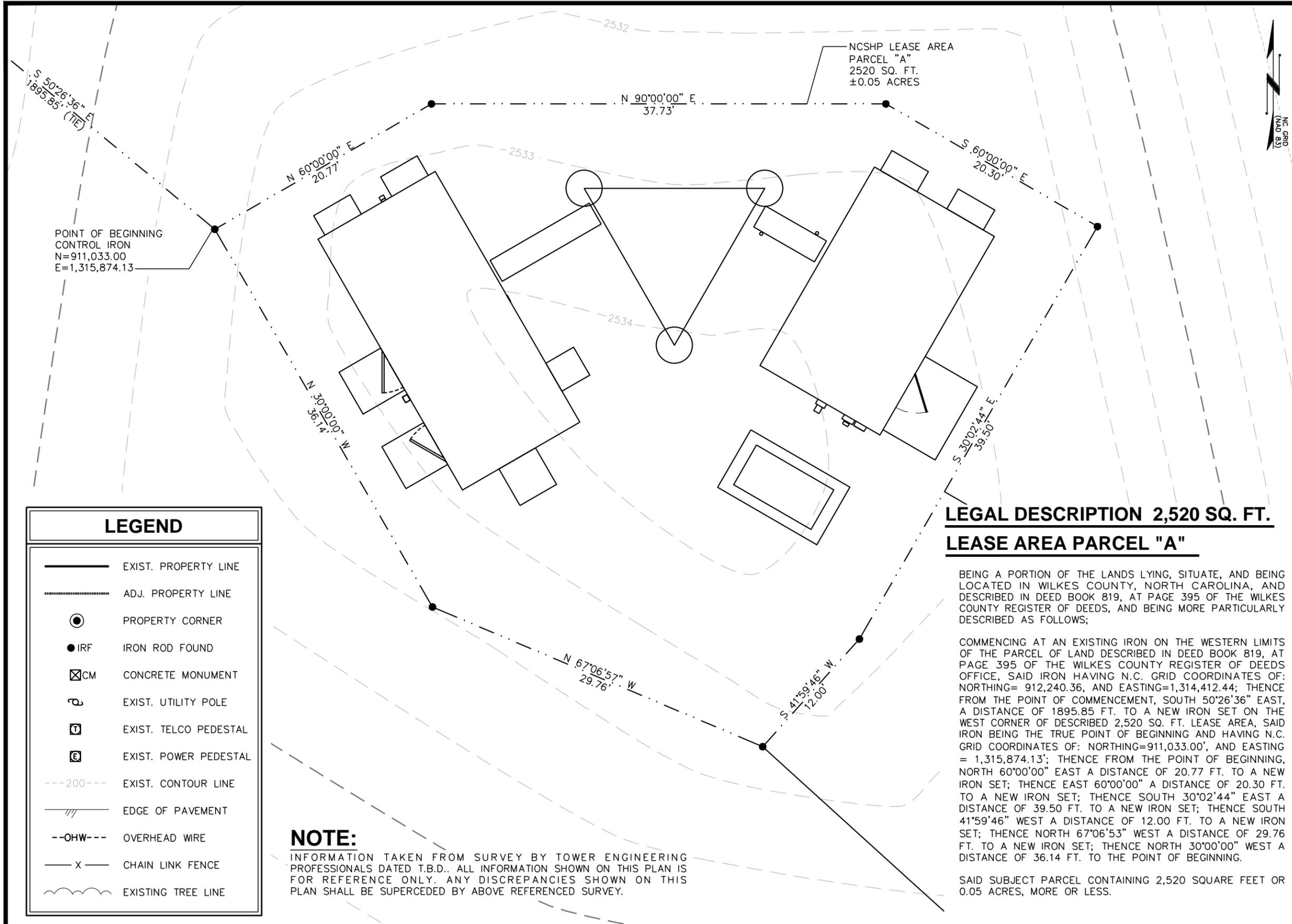


REV	DATE	ISSUED FOR:
0	03-08-12	PRELIMINARY CONSTRUCTION

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:
SITE PLAN

SHEET NUMBER:	REVISION:
C-1	0
	TEP #: 100826



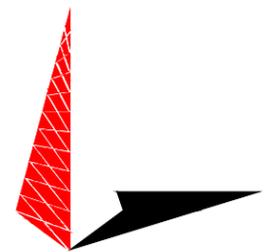
PLANS PREPARED FOR:



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

PROJECT INFORMATION:
RENDEZVOUS MOUNTAIN
SITE # HP-1228
SCO ID # 09-07591-01H
 585 WYATT ROAD
 MILLERS CREEK, NC 28651
 (WILKES 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:
0	03-08-12	PRELIMINARY CONSTRUCTION

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:
LEGAL DESCRIPTION

SHEET NUMBER: **C-2** | REVISION: **0**
 TEP #: 100826

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
- EXIST. CONTOUR LINE
- EDGE OF PAVEMENT
- OVERHEAD WIRE
- CHAIN LINK FENCE
- EXISTING TREE LINE

NOTE:
 INFORMATION TAKEN FROM SURVEY BY TOWER ENGINEERING PROFESSIONALS DATED T.B.D.. ALL INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. ANY DISCREPANCIES SHOWN ON THIS PLAN SHALL BE SUPERCEDED BY ABOVE REFERENCED SURVEY.

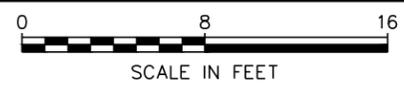
LEGAL DESCRIPTION 2,520 SQ. FT. LEASE AREA PARCEL "A"

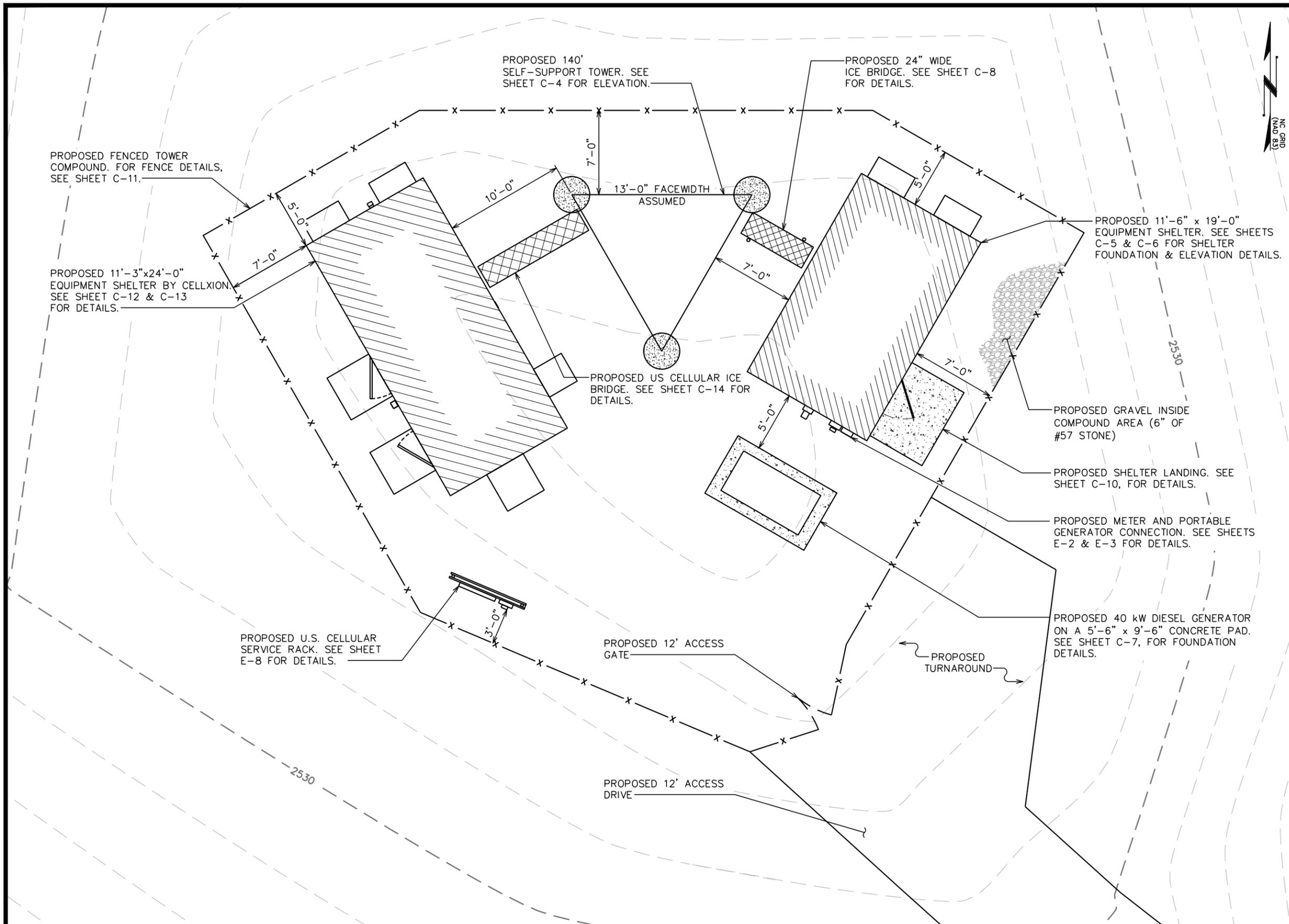
BEING A PORTION OF THE LANDS LYING, SITUATE, AND BEING LOCATED IN WILKES COUNTY, NORTH CAROLINA, AND DESCRIBED IN DEED BOOK 819, AT PAGE 395 OF THE WILKES COUNTY REGISTER OF DEEDS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT AN EXISTING IRON ON THE WESTERN LIMITS OF THE PARCEL OF LAND DESCRIBED IN DEED BOOK 819, AT PAGE 395 OF THE WILKES COUNTY REGISTER OF DEEDS OFFICE, SAID IRON HAVING N.C. GRID COORDINATES OF: NORTHING= 912,240.36, AND EASTING=1,314,412.44; THENCE FROM THE POINT OF COMMENCEMENT, SOUTH 50°26'36" EAST, A DISTANCE OF 1895.85 FT. TO A NEW IRON SET ON THE WEST CORNER OF DESCRIBED 2,520 SQ. FT. LEASE AREA, SAID IRON BEING THE TRUE POINT OF BEGINNING AND HAVING N.C. GRID COORDINATES OF: NORTHING=911,033.00', AND EASTING = 1,315,874.13'; THENCE FROM THE POINT OF BEGINNING, NORTH 60°00'00" EAST A DISTANCE OF 20.77 FT. TO A NEW IRON SET; THENCE EAST 60°00'00" A DISTANCE OF 20.30 FT. TO A NEW IRON SET; THENCE SOUTH 30°02'44" EAST A DISTANCE OF 39.50 FT. TO A NEW IRON SET; THENCE SOUTH 41°59'46" WEST A DISTANCE OF 12.00 FT. TO A NEW IRON SET; THENCE NORTH 67°06'53" WEST A DISTANCE OF 29.76 FT. TO A NEW IRON SET; THENCE NORTH 30°00'00" WEST A DISTANCE OF 36.14 FT. TO THE POINT OF BEGINNING.

SAID SUBJECT PARCEL CONTAINING 2,520 SQUARE FEET OR 0.05 ACRES, MORE OR LESS.

LEGAL DESCRIPTION
 SCALE: 1/8" = 1'-0"





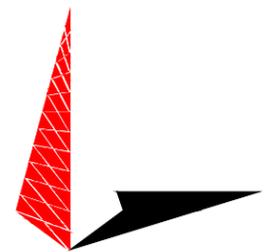
PLANS PREPARED FOR:



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

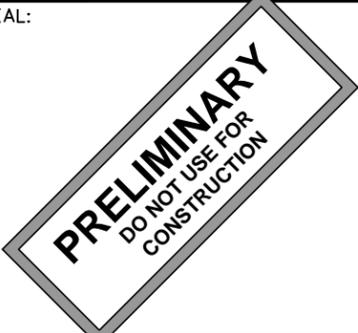
PROJECT INFORMATION:
RENDEZVOUS MOUNTAIN
SITE # HP-1228
SCO ID # 09-07591-01H
 585 WYATT ROAD
 MILLERS CREEK, NC 28651
 (WILKES COUNTY)

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	03-08-12	PRELIMINARY CONSTRUCTION
REV	DATE	ISSUED FOR:

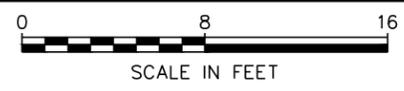
DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:
COMPOUND
DETAIL

SHEET NUMBER:
C-3

REVISION:
0
 TEP #: 100826

COMPOUND DETAIL
 SCALE: 1/8" = 1'-0"



ANSI/TIA-222-G DESIGN NOTE:

THE PROPOSED TOWER SHALL BE DESIGNED PER THE FOLLOWING PARAMETERS:

STRUCTURE CLASSIFICATION: III
 EXPOSURE CATEGORY: B
 TOPOGRAPHIC CATEGORY: 4
 CREST HEIGHT: 1237'

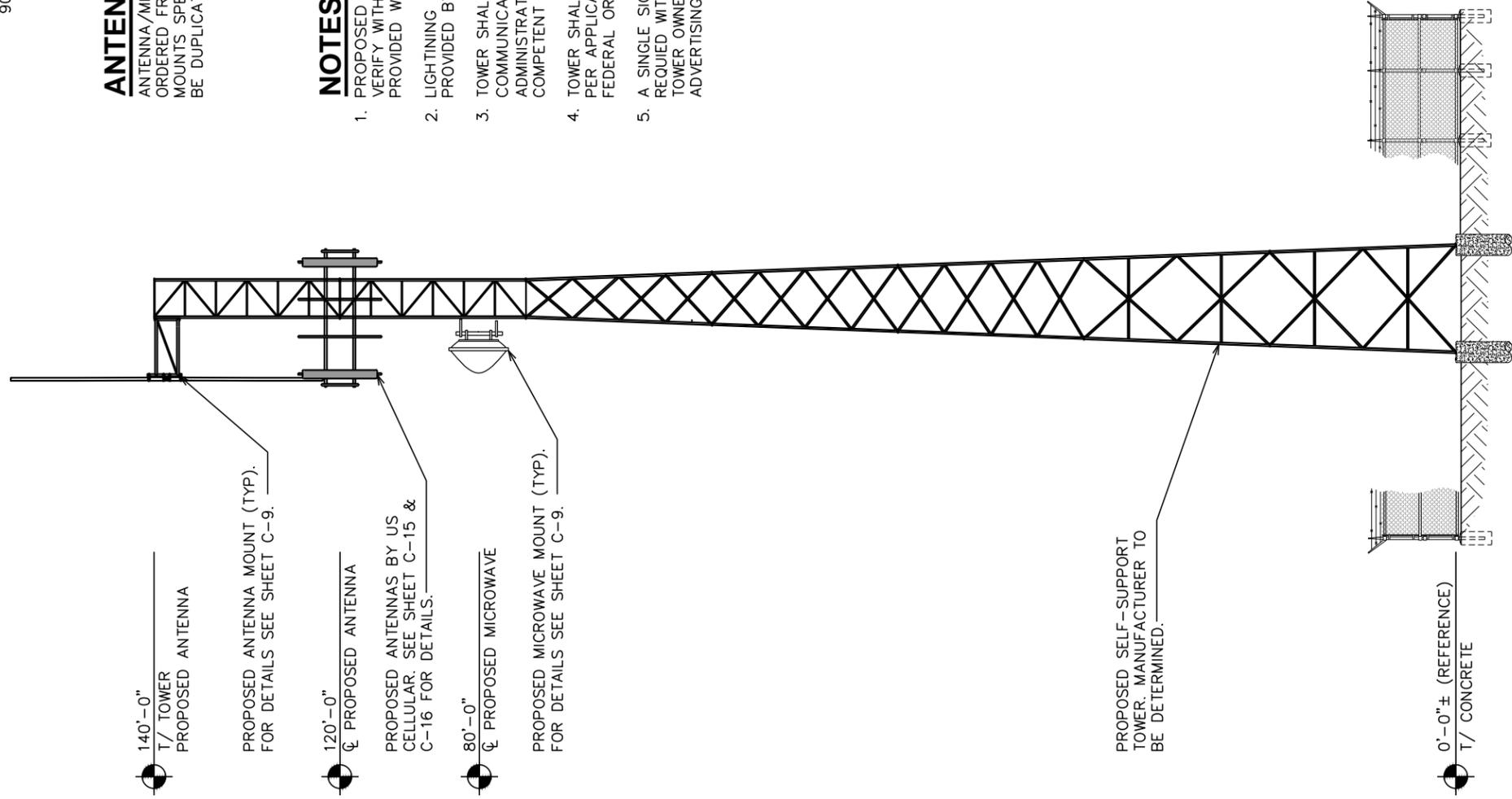
DESIGN WIND SPEED:
 90mph(3sec GUST), 76mph(FATEST MILE)

ANTENNA MOUNT NOTE:

ANTENNA/MICROWAVE MOUNTS HAVE BEEN ORDERED FROM THE TOWER MANUFACTURER. MOUNTS SPECIFIED ON SHEET C-9 SHOULD NOT BE DUPLICATED IF EXISTING MOUNTS ARE PRESENT.

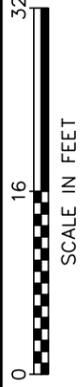
NOTES:

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

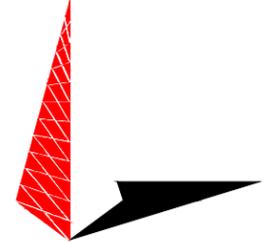
SCALE: 1/8" = 1'-0"

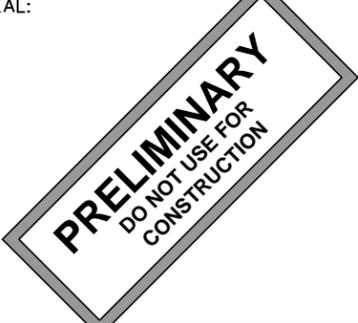


PLANS PREPARED FOR:

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

PROJECT INFORMATION:
RENDEZVOUS MOUNTAIN
SITE # HP-1228
SCO ID # 09-07591-01H
 585 WYATT ROAD
 MILLERS CREEK, NC 28651
 (WILKES 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	03-08-12	PRELIMINARY CONSTRUCTION
REV	DATE	ISSUED FOR:

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:
TOWER ELEVATION

SHEET NUMBER: **C-4** | REVISION: **0**
 TEP #: 100826

Figure 4: Aerial Photograph



Wyatt Rd

n 36 13 52, w 81 19 10.3

Image U.S. Geological Survey

© 2011 Google

Imagery Date: 2/29/2008

36°13'56.83" N 81°19'08.86" W elev 2353 ft

©2010 Google

Eye alt 10446 ft

Figure 5: FEMA Flood Insurance Rate Map



Wilkes County
Unincorporated Areas



GRID NORTH

SCALE 1" = 1,000' (1 : 12,000)

500 1,000 1,500 2,000
FEET

METERS

PANEL 3900J

FIRM
FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 3900

(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	CID No.	PANEL	SUFFIX
WILKES COUNTY	370256	3900	J

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.

EFFECTIVE DATE **MAP NUMBER**
MARCH 2, 2009 3710390000J



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

Figure 6: National Wetland Inventory Map



U.S. Fish and Wildlife Service National Wetlands Inventory

Rendezvous Mountain

Jul 10, 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:

Figure 7: Geologic Map

Rendezvous Mountain 

Google earth

Image U.S. Geological Survey
© 2012 Google
© 2012 Europa Technologies

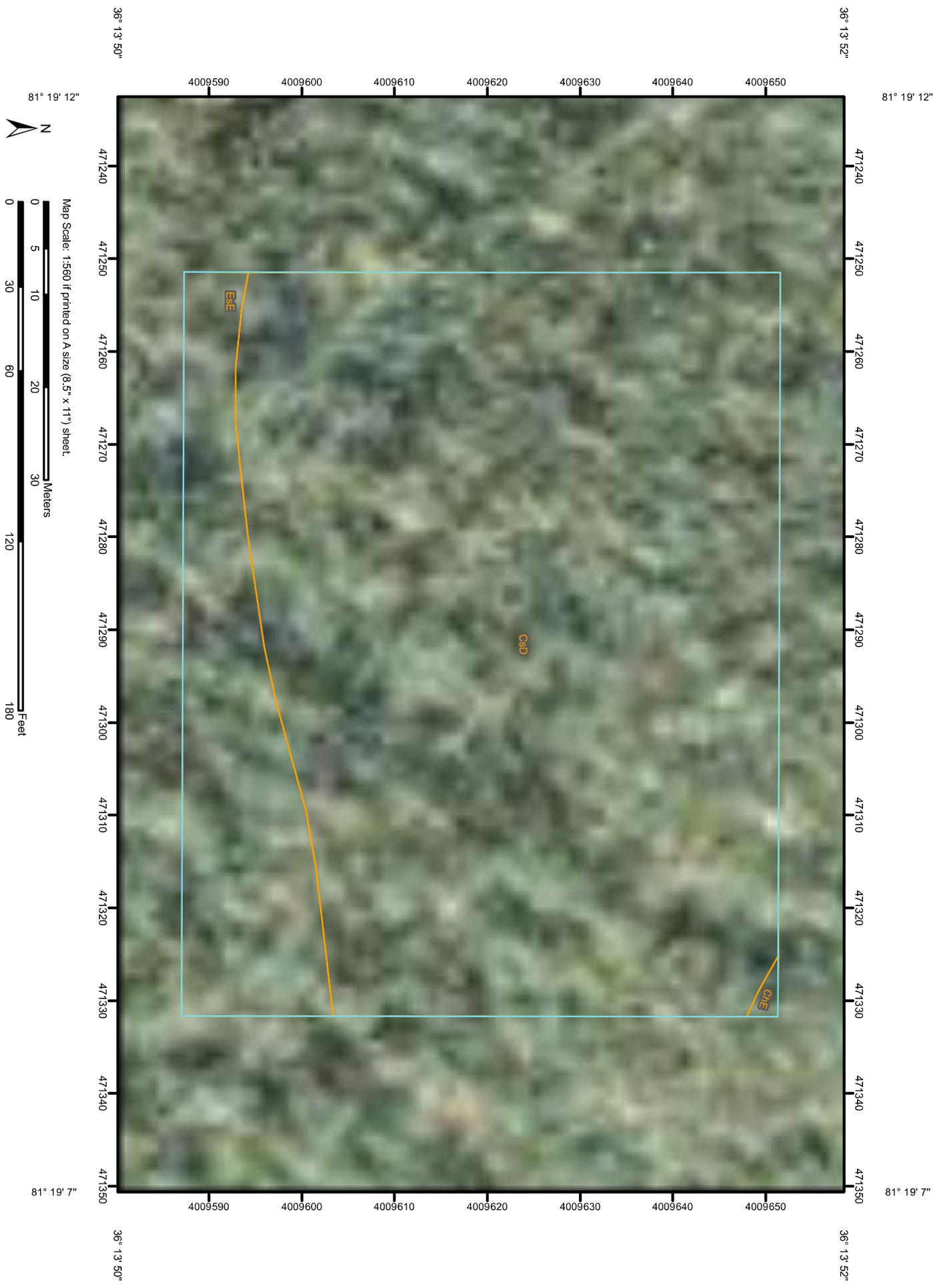
Google earth

feet 3000
km 1



Figure 8: Soils Map

Soil Map—Wilkes County, North Carolina
(Rendezvous Mountain)



Map Scale: 1:560 if printed on A size (8.5" x 11") sheet.



MAP LEGEND

 Area of Interest (AOI)	 Very Stony Spot
 Area of Interest (AOI)	 Wet Spot
Soils	 Other
 Soil Map Units	
Special Point Features	Special Line Features
 Blowout	 Gully
 Borrow Pit	 Short Steep Slope
 Clay Spot	 Other
 Closed Depression	Political Features
 Gravel Pit	 Cities
 Gravelly Spot	Water Features
 Landfill	 Streams and Canals
 Lava Flow	Transportation
 Marsh or swamp	 Rails
 Mine or Quarry	 Interstate Highways
 Miscellaneous Water	 US Routes
 Perennial Water	 Major Roads
 Rock Outcrop	 Local Roads
 Saline Spot	
 Sandy Spot	
 Severely Eroded Spot	
 Sinkhole	
 Slide or Slip	
 Sodic Spot	
 Spoil Area	
 Stony Spot	

MAP INFORMATION

Map Scale: 1:560 if printed on A size (8.5" x 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 17N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Wilkes County, North Carolina
Survey Area Data: Version 13, Aug 28, 2009

Date(s) aerial images were photographed: 7/19/2006

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Wilkes County, North Carolina (NC193)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ChE	Chestnut-Edneyville complex, 25 to 60 percent slopes, stony	0.0	0.2%
CsD	Cowee-Saluda complex, 8 to 25 percent slopes, stony	1.1	84.4%
EsE	Evard-Cowee complex, 25 to 60 percent slopes, stony	0.2	15.4%
Totals for Area of Interest		1.3	100.0%



Appendices

Appendix A: Site Photographs



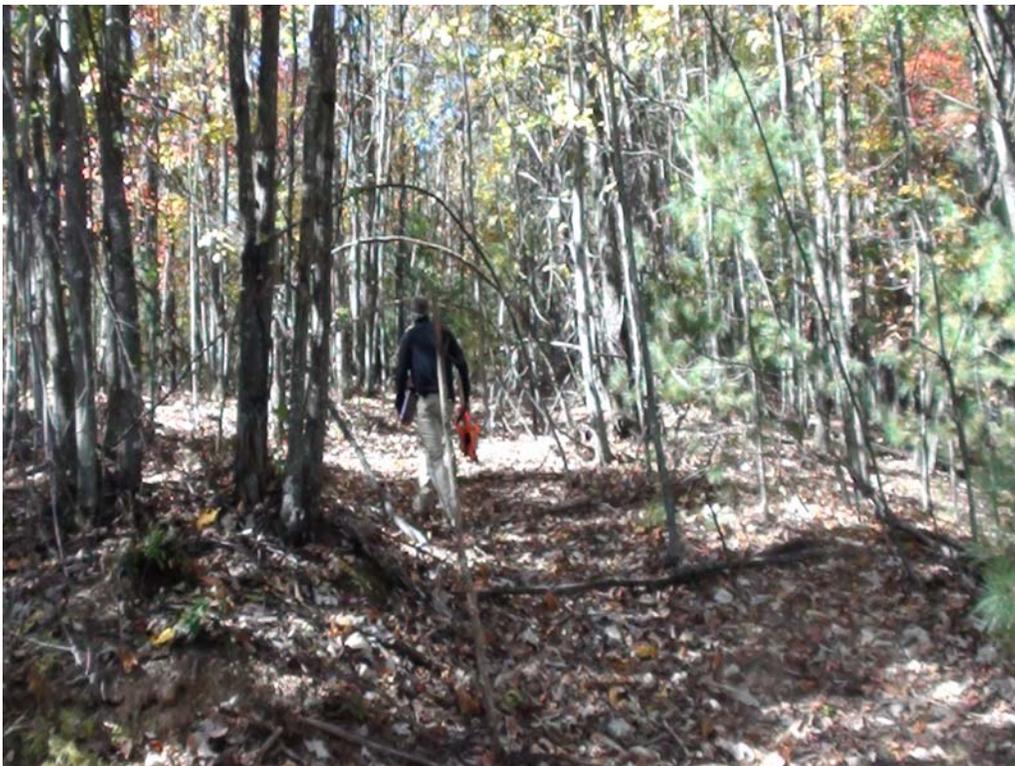
1. Terminus of Wyatt Road facing east along existing gravel drive.



2. Photo facing east along existing earthen path.



3. Photo facing west along existing earthen drive.



4. Photo facing north toward proposed tower compound.



5. Photo facing south along proposed access drive.



6. Photo facing northeast towards proposed tower compound area.

Appendix B: FCC NEPA Land Use Compliance Checklist



**NEPA COMPLIANCE CHECKLIST
PROPOSED 140-FOOT SELF-SUPPORT
EMERGENCY SERVICES TOWER**

**SITE NAME: RENDEZVOUS MOUNTAIN
SITE NUMBER: HP-1228**

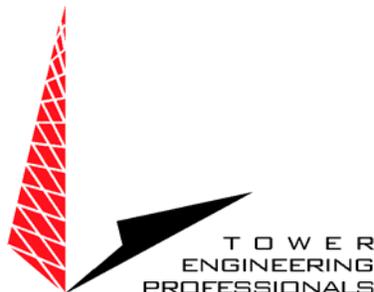
**WYATT ROAD
MILLERS CREEK, NC
(WILKES COUNTY)**

**LATITUDE: N 36° 13' 52.0" ±
LONGITUDE: W 81° 19' 10.3" ±**

**DATE INSPECTED: OCTOBER 21, 2010
DATE NEPA ISSUED: FEBRUARY 18, 2011**

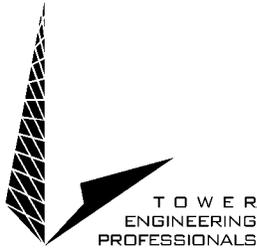


**COMPLETED BY:
George T. Swearingen, III
Of**



**Project Site Specific
NEPA Compliance Checklist
North Carolina Highway Patrol Site
Rendezvous Mountain
HP-1228**

February 18, 2011



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-1228
Rendezvous Mountain Site
Wyatt Road
Millers Creek, Wilkes 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 **140-ft AGL (152-ft with appurtenances) Self-Support Lattice Communications Tower** for the site designated as **Rendezvous Mountain (NC Highway Patrol Site # HP-1228)**, and is pleased to submit the findings to the North Carolina Highway Patrol. The proposed site is located on a parcel of real estate in **Wilkes County, NC**. The parent property and the adjacent properties were occupied by a mix of low density residential, agricultural, 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 Environmental Services, Inc. conducted the Section 106 of the NHPA portion of the NEPA checklist and the Native American consultation. TEP filed the proposed **Rendezvous Mountain (HP-1228)** site with the FCC Tower Construction Notification System (TCNS) on **1/7/11** and was assigned TCNS # **72352**. TEP has received correspondence from all of the applicable tribes with known ancestral and/or aboriginal rights to **Wilkes County, NC** as identified by the FCC TCNS.

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 **Rendezvous Mountain (NC Highway Patrol Site # HP-1228) Site**.

Sincerely

A handwritten signature in black ink, appearing to read "George T. Swearingen, III". The signature is fluid and cursive, with a small flourish at the end.

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

Section I – NEPA Checklist

FCC NEPA COMPLIANCE AUDIT CHECKLIST



RENDEZVOUS MOUNTAIN SITE 140-FT SELF SUPPORT LATTICE EMERGENCY SERVICES TOWER NC HIGHWAY PATROL – DEPT. OF CRIME CONTROL & PUBLIC SAFETY MILLERS CREEK, NC WILKES 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.

TOWER ENGINEERING PROFESSIONALS, INC.	Date: February 18, 2011
Print Name: George T. Swearingen, III	Signature:

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

1. Designated Wilderness Areas – Based on a 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 a 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 although the proposed tower site is located within the Rendezvous State Educational Forest managed by the NC Dept. Of Environment and Natural Resources.
- 3A. Listed Threatened or Endangered Species or Designated Critical Habitats - Based on a 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 a 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, 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 the Wilkes County Planning Department, Wilkesboro Historic Preservation Society, Rendezvous Mountain Educational State Forest, 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 0.5-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 #72352, no known Indian religious sites will be affected by the proposed tower site.
6. Floodplains – Based on a review of the floodplain map of the area (FIRM Community-Panel No. 3710390000J dated March 2, 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 140-feet AGL (152-ft AGL with appurtenances) and the use of high intensity white lights should not be necessary. The proposed tower is anticipated to be an unlit structure.
- 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

New Tower (“NT”) Submission Packet

FCC FORM 620

Introduction

General Instructions: NT Submission Packet

Fill out the answers to Questions 1-5 on Form 620 and provide the requested attachments. Attachments should be numbered and provided in the order described below.

For ease of processing, provide the Applicant’s Name, Applicant’s Project Name, and Applicant’s Project Number in the lower right hand corner of each page of Form 620 and attachments.³

1. Applicant Information

Full Legal Name of Applicant: North Carolina Highway Patrol - Department of Crime Control and Public Safety

Name and Title of Contact Person: Tanya Luter - VIPER Project Manager

Address of Contact Person (including Zip Code):
3318 Garner Rd, Building Two Raleigh, NC 27610

Phone: 919.662.4440 Fax: n/a

E-mail address: tluter@NCSHP.ORG

2. Applicant’s Consultant Information

Full Legal Name of Applicant’s Section 106 Consulting Firm:
Environmental Services, Inc.

Name of Principal Investigator: Scott Seibel

Title of Principal Investigator: President and Senior Principal Archaeologist

Investigator’s Address: 524 South New Hope Road

³ Some attachments may contain photos or maps on which this information can not be provided.

Applicant’s Name: NC Highway Patrol
Project Name: Rendezvous Mountain
Project Number: HP-1228

FCC Form 620
February 17, 2011

NR SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

City: Raleigh State: NC Zip Code: 27610

Phone: 919. 212.1760 Fax: 919. 212.1707

E-mail address: sseibel@esinc.cc

Does the Principal Investigator satisfy the Secretary of the Interior’s Professional Qualification Standards?⁴ Yes: No:

Areas in which the Principal Investigator meets the Secretary for the Interior’s Professional Qualification Standards: Archaeology

Other “Secretary of the Interior qualified” staff who worked on the Submission Packet (provide name(s) as well as the area(s) in which they are qualified):

3. Site Information

a. Street Address of Site: Wyatt Road (E911 TBD)

City or Township: Millers Creek, NC

County/Parish: Wilkes

b. Nearest Cross Roads: Wyatt Road/White Oak Road

c. NAD 83 Latitude/Longitude coordinates (to tenth of a second):
N36°13’52.0”; W81°19’10.3”

⁴ The Professional Qualification Standards are available on the cultural resources webpage of the National Park Service, Department of the Interior: http://www.cr.nps.gov/local-law/arch_stnds_9.htm. The Nationwide Agreement required use of Secretary-qualified professionals for identification and evaluation of historic properties within the APE for direct effects, and for assessment of effect. The Nationwide Agreement encourages, but does not require, use of Secretary-qualified professionals to identify historic properties within the APE for indirect effects. See Nationwide Agreement, §§VI.D.1.d, VI.D.1.e, VI.D.2.b, VI.E.5.

Applicant’s Name: NC Highway Patrol
Project Name: Rendezvous Mountain
Project Number: HP-1228

FCC Form 620
February 17, 2011

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039

Estimated Time Per Response:
.5 to 10 hours

d. Proposed tower height above ground level:⁵140-feet; 42.6 meters (152-ft with appurtenances (46.3 meters))

e. Tower Type:

guyed lattice tower self-supporting lattice monopole

other (briefly describe tower)

4. Project Status:⁶

- a. Construction not yet commenced;
- b. Construction commenced on [date] ; or,
- c. Construction commenced on [date] and was completed on [date] .

5. Applicant’s Determination of Effect:

a. Direct Effects (check one):

- i. No Historic Properties in Area of Potential Effects (“APE”) for direct effects;
- ii. “No effect” on Historic Properties in APE for direct effects;
- iii. “No adverse effect” on Historic Properties in APE for direct effects;
- iv. “Adverse effect” on one or more Historic Properties in APE for direct effects.

b. Visual Effects (check one):

- i. No Historic Properties in Area of Potential Effects (“APE”) for visual effects;
- ii. “No effect” on Historic Properties in APE for visual effects;
- iii. “No adverse effect” on Historic Properties in APE for visual effects;
- iv. “Adverse effect” on one or more Historic Properties in APE for visual effects.

⁵ Include top-mounted attachments such as lightning rods.

⁶ Failure to provide the Submission Packet and complete the review process under Section 1006 of the NHPA prior to beginning construction may violate Section 110(k) of the NHPA and the Commission’s rules. See Section X of the Nationwide Agreement.

Applicant’s Name: NC Highway Patrol
Project Name: Rendezvous Mountain
Project Number: HP-1228

FCC Form 620
February 17, 2011

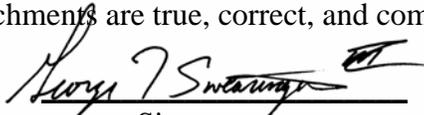
NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039

Estimated Time Per Response:
.5 to 10 hours

Certification and Signature

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


Signature

2/17/2011
Date

George T. Swearingen, III
Printed Name

Environmental Division Manager
Title

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 OF CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1) AND/ OR FORFEITURE (U.S. Code, Title 47, Section 503).

Applicant's Name: NC Highway Patrol
Project Name: Rendezvous Mountain
Project Number: HP-1228

FCC Form 620
February 17, 2011

NT SUBMISSION PACKET – FCC FORM 620

Attachments

Attachment 1. Résumés/Vitae

See attached resume of Scott Seibel, Senior Principal Archeologist.

Attachment 2. Additional Site Information

The proposed 140-ft AGL (152-ft AGL with Appurtenances) Self-Support emergency services tower will be located southeast of the terminus of Wyatt Road, northwest of Millers Creek, within Wilkes County, North Carolina. The proposed area of construction is anticipated to be approximately 3,984-sq. ft. and located primarily within undeveloped forested land uses. The proposed 24-ft x 33-ft x 30-ft x 42-ft x 35-ft x 24-ft fenced tower compound will be located within undeveloped forested land uses and occupy approximately 2,354-sq.ft. Vegetation in the vicinity of the proposed communications tower compound was dominated by White Pine, Loblolly Pine, Sour wood, and Red maple trees located in the canopy. The proposed access easement will utilize an existing earthen and graveled path which proceeds southeast from the terminus of Wyatt Road for approximately 4,900-ft. A portion of the proposed access easement will extended north from the aforementioned earthen path for approximately 120-ft and occupy approximately 1,629-sq.ft, before reaching the proposed North Carolina Highway Patrol lease area. The parent property is located in a portion of Wilkes County where the surrounding land is primarily occupied by undeveloped forested, low density residential, and agricultural land uses. The parent property was primarily occupied by undeveloped forested land uses in the vicinity of the proposed tower site. The proposed tower is under 200-ft AGL in height and anticipated to be an unlit structure.

Attachment 3. Tribal and NHO Involvement

Tower Engineering Professionals filed the proposed facility with the FCC – Tower Construction Notification System (TCNS) on 1-7-11 and was assigned TCNS# 72352. In addition, TEP personnel sent, via email or standard mail, correspondence to all the applicable tribes on 1-17-11 and 1-18-11.

Attachment 4.

TEP contacted the Wilkes County Planning Department on January 17, 2011 and invited them to be a consulting party regarding the proposed Emergency Services Communication Tower.

Attachment 5.

TEP placed a Public Notice in the “Wilkes Journal Patriot” newspaper that was advertised on 1-10-2011 and has requested any comments be delivered to TEP by February 10, 2011. Please see the attached Public Notice Affidavit.

Attachment 6.

TEP contacted the Wilkesboro Historic Preservation Society and the Rendezvous Mountain Educational State Forest on January 17, 2011 requesting any comments they may have regarding the proposed undertaking within 30 days of receipt of the correspondence.

Attachment 7.

- a. The geographic area, scale and nature of the undertaking and subsequent effects of the proposed project were analyzed to determine the APE for direct effects. The determined APE for direct effects is the proposed tower compound lease area, access easement, and the proposed utility easement. The proposed tower compound will be located entirely within undeveloped forested land uses. The proposed access and utilities easement will utilize an existing earthen/gravel drive which proceeds east-southeast from the terminus of Wyatt Road for approximately 4,900-ft before turning north and continuing an additional 120-ft through undeveloped forested land uses until reaching the proposed North Carolina Highway Patrol lease area. The proposed area of construction is anticipated to be approximately 3,984-sq. ft. and located primarily within undeveloped forested land uses. See attached Construction Drawings.
- b. The geographic area, scale and nature of the undertaking and subsequent effects of the proposed project were analyzed to determine the APE for visual effects. Further, required background research and suggested standards by the North Carolina-State Historic Preservation Office and the FCC Nationwide Programmatic Agreement were reviewed to determine the APE for visual effects for the proposed project. The APE for visual effects is determined to be a 0.5 mile radius from the proposed 140-ft (152-ft with appurtenances) self-support emergency services tower centerline. The determined APE for visual effects is currently primarily occupied by undeveloped forested land uses associated with the Rendezvous Mountain Educational State Forest, agricultural, and low density residential land uses

Attachment 8. Historic Properties Identified in the APE for Visual Effects

- a. No properties pursuant to Section VI.D.1.a. of the Nationwide PA were identified in the determined APE for visual effects. During the research conducted by Tower Engineering Professionals, Inc., no National Register Historic Structures, Sites, Districts, Archaeological Sites or sites determined eligible for listing in the National Register were located within a 0.5-mile radius of the proposed tower location.

- b. As of 2/21/2011 TEP has not been made aware of any properties identified by comment in the determined APE for visual effects.
- c. No listed or eligible properties that are no longer eligible were identified in the determined APE for visual effects by TEP during the research conducted at the North Carolina State Historic Preservation Office.

Attachment 9. Historic Properties Identified in the APE for Direct Effects

- a. No properties pursuant to Section VI.D.1.a. of the Nationwide PA were identified in the determined APE for direct effects. During the research conducted by Tower Engineering Professionals, Inc., no National Register Historic Structures, Sites, Districts, Archaeological Sites or sites determined eligible for listing in the National Register were located within the direct effects APE of the proposed emergency services tower site. The Direct APE consists of the proposed access easement, utilities easement, and proposed emergency services tower compound lease area.
- b. N/A
- c. See attached Archeology Field Survey conducted by Environmental Services, Inc.

Attachment 10. Effects on Identified Properties

- a. **No Effect** – No Historic Properties listed on or eligible for listing on the National Register of Historic Places were identified within the 0.5-mile visual APE or the Direct APE.
- b. None
- c. This site was the primary candidate identified by the North Carolina Highway Patrol – Department of Crime Control and Public Safety, and the proposed self support emergency services tower will have no effect on Historic Properties since none were located within the identified 0.5 mile APE.

Attachment 11. Photographs

- a. See attached site photographs and attached Archeology Field Survey conducted by Environmental Services, Inc.
- b. N/A
- c. N/A
- d. See attached Aerial photograph.

Attachment 12. Maps

- a.** See attached
- b.** See attached
- c.** N/A

Rendezvous Mtn. SHPO Map



Copyright 2010 Esri. All rights reserved. Fri Feb 4 2011 12:52:24 PM.

**RENDEZVOUS MOUNTAIN, WILKES COUNTY, NORTH CAROLINA
ARCHAEOLOGICAL SURVEY LETTER REPORT**

**By: Terri Russ, RPA
Environmental Services, Inc.
524 South New Hope Road
Raleigh, NC 27610**

Tower Engineering Professionals, Inc., (TEP) is assisting in the development of a telecommunications facility in Wilkes County, North Carolina. The project area consists of the proposed tower compound, which measures approximately 1,900 square feet in size, and the proposed access road and utility easement, which includes approximately 100 feet of new location. Specifically, the proposed tower site is located along an unpaved jeep trail at the terminus of Wyatt Road in the community of Millers Creek, Wilkes County, North Carolina (**Figure 1**).

TEP requested that Environmental Services, Inc., (ESI) conduct an archaeological survey of the proposed tower site to meet the requirements of Section 106 of the *National Historic Preservation Act* (NHPA) and the Federal Communications Commission (FCC) Cell Tower Programmatic Agreement of 5 October 2004. This letter report summarizes the results of ESI's archaeological survey, conducted on 4 January 2011.

Environmental Setting

The proposed tower compound and new location access road and utility easement are located on a wooded ridgetop of Rendezvous Mountain. The tower site is accessed along an along an unimproved jeep trail accessed from Wyatt Road. An unnamed tributary of Sandy Creek is located approximately 1000 feet north of the project area.

Map units (soil series) are named for the major soil or soils within the unit, but may have minor inclusions of other soils (NRCS 2010). A complete index of the soil units in the project area is listed in **Table 1**. The slope of the project area suggests that the project area has a low potential to contain significant archaeological sites.

Table 1: Project Area Soils

Soil Name	Code	Slope	Drainage	Location
Cowee-Saluda Complex, stony	CsD	8-25%	Well	Mountain slopes, ridges

Background Research

Research at the North Carolina Office of State Archaeology revealed that no previously recorded archaeological sites were located within or immediately adjacent to the project area.

Results of the Present Investigation

ESI archaeologist Terri Russ conducted the archaeological survey of the project area on 4 January 2011. This included pedestrian inspection and shovel testing of the project area. Representative photos of the project area are shown as **Figures 2** and **3**.

Pedestrian inspection found that the tower compound and proposed new location access road and utility easement were located on a wooded ridgetop with poor surface visibility. Pedestrian inspection of the unpaved road adjacent to the proposed tower location encountered no cultural materials.

Four shovel tests were placed at the location of the proposed compound and new location access road and utility easement (STs 1-4; **Figure 4**). All shovel tests encountered the same general soil profile; 5-10 centimeters of light reddish brown to brown gravelly sandy loam over reddish brown to strong brown gravelly clay subsoil. No cultural materials were recovered from any of the shovel tests.

Summary and Conclusions

ESI conducted an archaeological survey of the proposed tower compound and access road and utility easement off of Wyatt Road in Wilkes County, North Carolina, for TEP in January 2011. No archaeological sites were documented within the proposed cell tower compound or within the access and utility easement. It is recommended that this project be allowed to proceed without concern for impacts to significant archaeological sites. Should the boundary of the proposed tower site be expanded or moved, additional archaeological investigation may be necessary, as determined in consultation with the North Carolina State Historic Preservation Office (SHPO).

References Cited

Natural Resources Conservation Services (NRCS)
2011 <http://websoilsurvey.nrcs.usda.gov/app/> Accessed 5 January 2011.

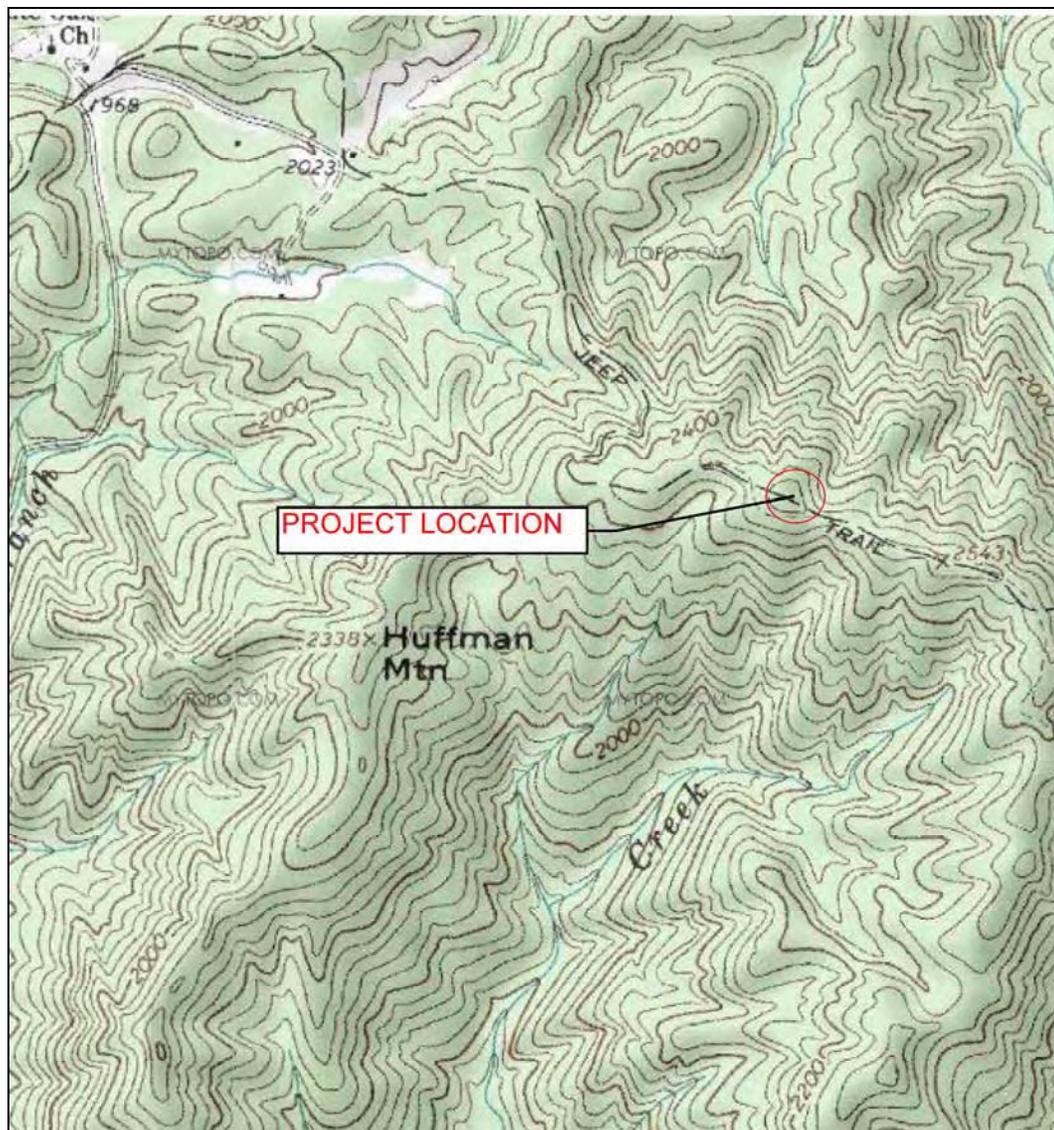


Figure 1: Project Location (Purlear 7.5-minute USGS quadrangle).



Figure 2: View of Proposed Tower Compound, facing north.



Figure 3: View of Jeep Trail Access Road to Proposed Tower Compound, facing west.

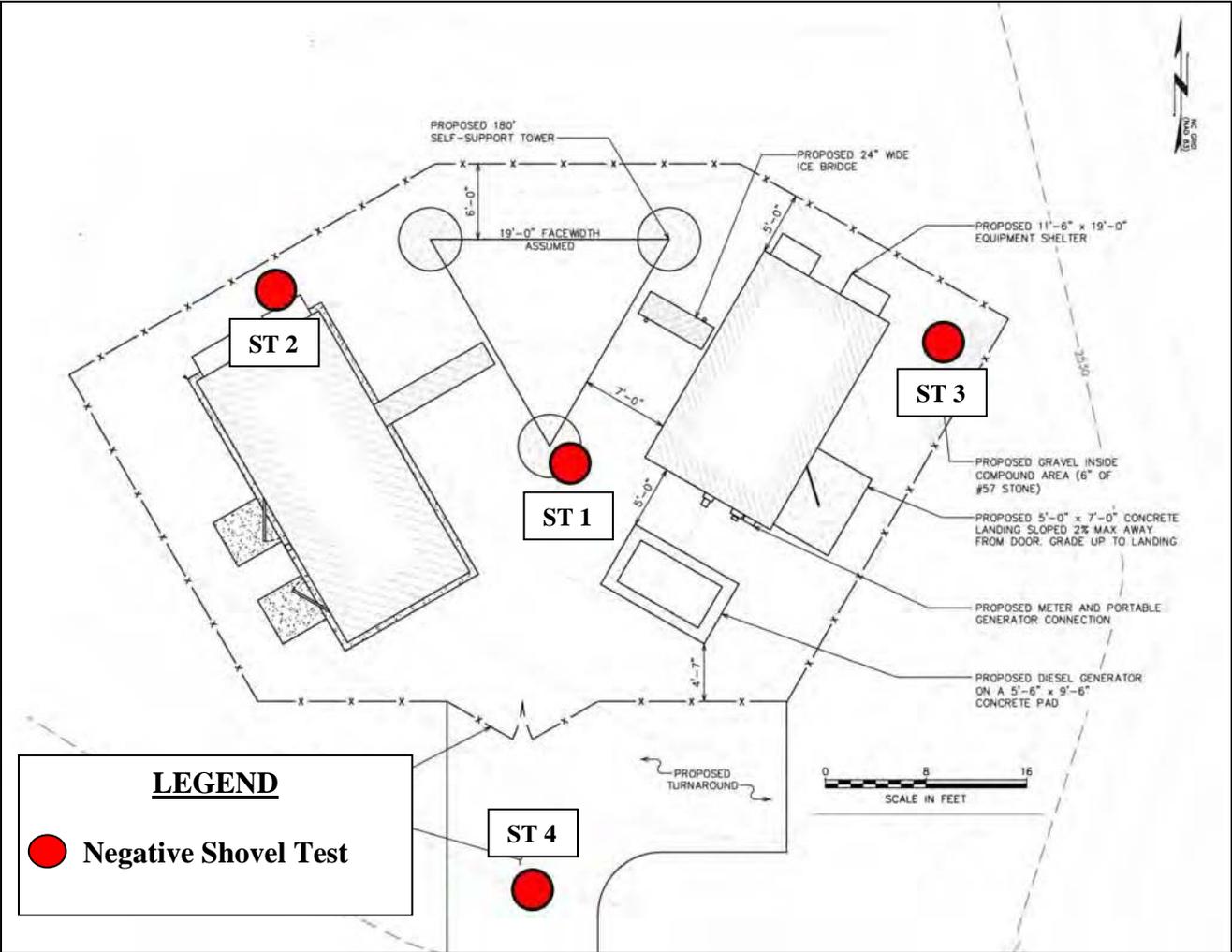


Figure 4: Shovel Test Locations.



ENVIRONMENTAL SERVICES, INC.

TERRI RUSS, RPA – SENIOR SCIENTIST III

Education Level:

M.A. Anthropology.
East Carolina University.
2002

A.A.S. Archaeology/
Historic Preservation.
Randolph Community
College.
1999

B.A. Anthropology.
University of North
Carolina at Chapel Hill.
1995

Years Experience:

14

ESI Office:

Raleigh

PROFESSIONAL EXPERIENCE SUMMARY

Ms. Russ is an archaeologist with over fourteen years experience in cultural resource management and academic archaeology. Previous cultural resource management projects include Phase I archaeological surveys, Phase II archaeological test investigations, and Phase III site mitigation for private, municipal, state, and federal clients.

RESPONSIBILITIES WITH ENVIRONMENTAL SERVICES, INC.

Ms. Russ is responsible for all phases of cultural resource projects management including background research, field investigations, artifact analysis and curation, and the preparation of final reports. Specialties include Phase I archaeological survey and site assessment, Phase II testing of archaeological sites, and Phase III mitigation and data recovery of archaeological sites.

PRIOR EXPERIENCE

2004-Present	ENVIRONMENTAL SERVICES, INC.
1998-2004	TRC GARROW ASSOCIATES, INC.
2003	LOUIS BERGER GROUP.
2002	COASTAL CAROLINA RESEARCH.
2000-2002	PHELPS ARCHAEOLOGY LABORATORY, EAST CAROLINA UNIVERSITY.
1997	U.S. FOREST SERVICE

PROFESSIONAL AFFILIATIONS

Registered Professional Archaeologist (RPA)
Southeastern Archaeological Conference (SEAC)
Society for Historical Archaeology (SHA)
North Carolina Archaeological Council (NCAC)
North Carolina Archaeological Society (NCAS)
NCAS President (2007-2009)
NCAS Board of Directors (2001-2003, 2005-2007)
NCAS Coastal Plains Chapter Secretary (2000-2002)

REPRESENTATIVE PROJECT EXPERIENCE

Archaeological Survey, US 17 Jacksonville to New Bern, Jones and Onslow counties, North Carolina
Archaeological Survey, Catawba River WTP and Reservoir, Lancaster County, South Carolina
Archaeological Survey, Honey Hill Analysis Area, Francis Marion National Forest, Berkeley and Charleston counties, South Carolina
Archaeological Survey of the K&M Landfill, Pickens and Gilmer Counties, Georgia
Archaeological Testing and Data Recovery of 38LA560, Edenmoor, Lancaster County, South Carolina
Archaeological Data Recovery of the Windsor Site (31BR201/201**), US 17 Windsor Bypass, Bertie County, North Carolina
Archaeological Data Recovery of 9BI132, 9BI133, and 9BI134, Cherokee Brick and Tile Company, Bibb County, Georgia
Archaeological and Architectural Survey and Site Relocation: ENCNG Distribution Lines. Multiple counties, North Carolina.
Architectural Survey, Saluda Tower. Polk and Henderson counties, North Carolina.

REPRESENTATIVE PUBLICATIONS

Selected Technical Reports

- 2010 *Archaeological Survey and Evaluation of the US 17 Improvements from Jacksonville to New Bern, Jones and Onslow Counties, North Carolina.* Environmental Services, Inc. Report of Investigations No.1358, Raleigh, North Carolina.
- 2008 *Archaeological Data Recovery of the Windsor Site (31BR201/201**), US 17 Windsor Bypass, Bertie County, North Carolina.* Environmental Services, Inc., Raleigh, North Carolina.
- 2006 *An Intensive Cultural Resource Investigation Arlington Shores, Pamlico County, North Carolina.* Environmental Services, Inc. Report of Investigations No. 899, Raleigh, North Carolina.

Other Papers and Conference Presentations

- 2008 Sandy Point: A Changing Historical Landscape. Poster Presented at the 65th Annual Meeting of the Southeastern Archaeological Conference, Charlotte, North Carolina.
- 2006 Review of Grave Intentions: A Comprehensive Guide to Preserving Historic Cemeteries in Georgia. Christine Van Voorhies, Georgia Department of Natural Resources. Historical Archaeology, Vol. 40, No. 2.
- 2006 Review of Mortuary Monuments and Burial Grounds of the Historic Period. Harold Mytum, Kluwer/Plenum Publishers. Historical Archaeology, Vol. 40, No. 2.
- 2002 *Uwharrie Ceramic Distribution in the Piedmont.* Unpublished M.A. Thesis. Department of Anthropology. East Carolina University. Greenville, North Carolina.

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 KNOWLEDGABLE 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, 2009 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 PROPOERTY 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 CONSTURCTION 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 SUPERVISES AND DIRECT THE WORK AND SHALL BE SOLEY 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 SUSTITUTED.
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. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES.
13. 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.
14. ALL WORK SHALL COMPLY TO LOCAL CODES AND THE ACI 318-99, "BUILDING REQUIREMENTS FOR STRUCTURAL CONCRETE".
15. 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER.
16. 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.
17. 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.
18. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
19. ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY IF ANY DESCREPANCEIES 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:



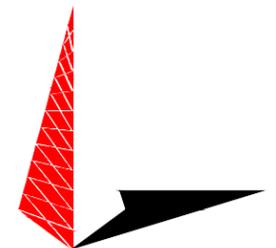
3318 GARNER ROAD, BLDG. 2
RALEIGH, NC 27607
OFFICE: (919) 662-4440

PROJECT INFORMATION:

**RENDEZVOUS MOUNTAIN
SITE # HP-1228
SCO ID # 09-07591-01H**

WYATT ROAD
MILLERS CREEK, NC 28651
(WILKES 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:



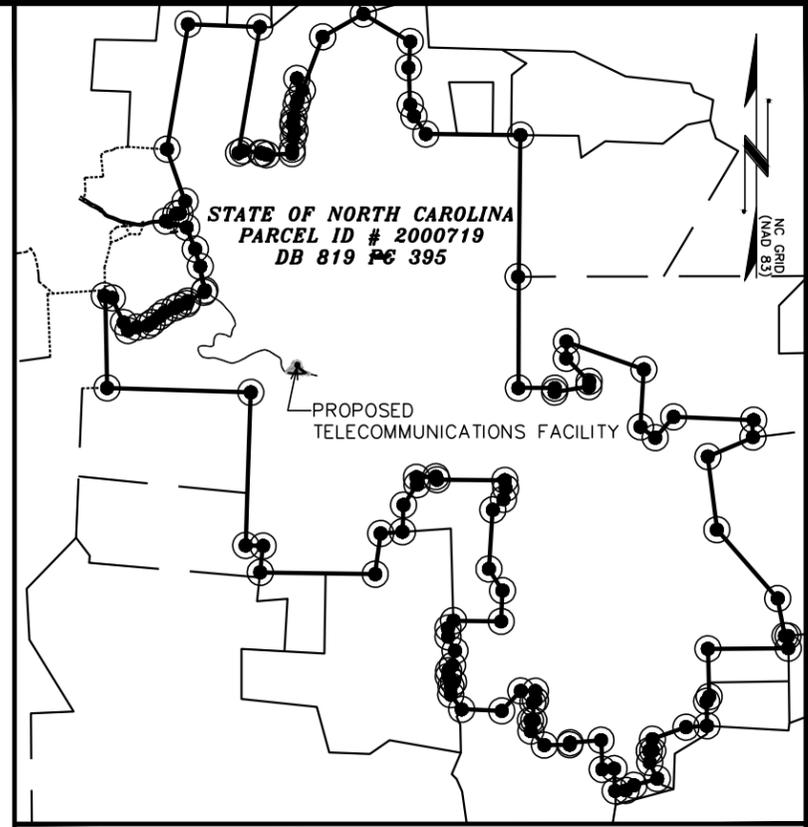
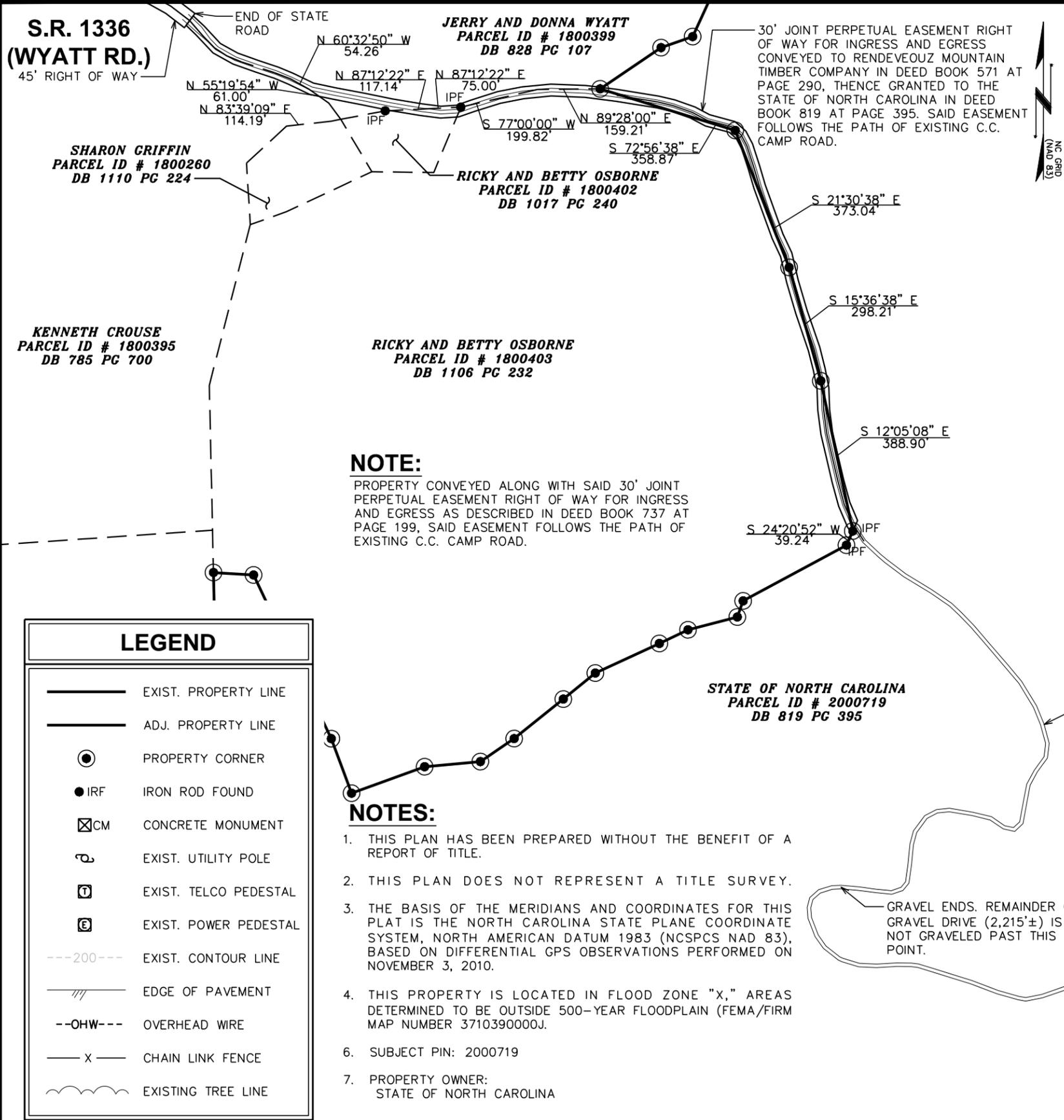
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O	02-10-11	PRELIMINARY ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:

**PROJECT
NOTES**

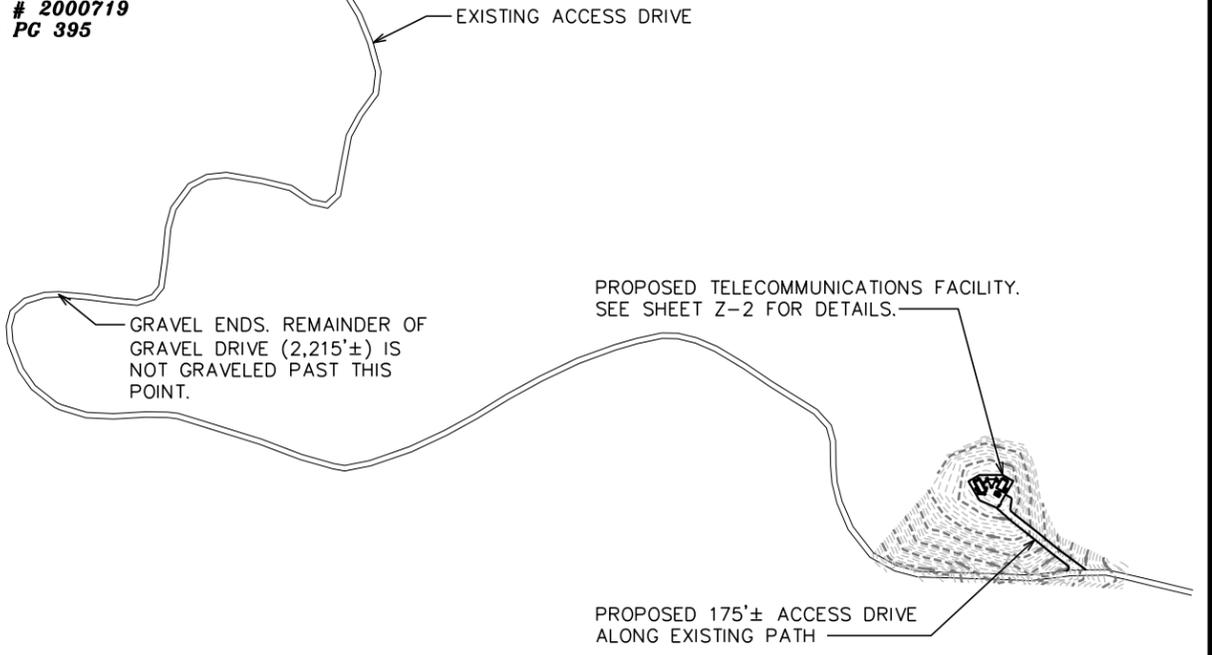
SHEET NUMBER: N-1	REVISION: 1 TEP #: 100826
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SITE PLAN OVERVIEW
SCALE: N.T.S.

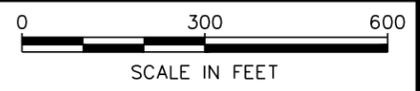
NOTE:
PROPERTY CONVEYED ALONG WITH SAID 30' JOINT PERPETUAL EASEMENT RIGHT OF WAY FOR INGRESS AND EGRESS AS DESCRIBED IN DEED BOOK 737 AT PAGE 199, SAID EASEMENT FOLLOWS THE PATH OF EXISTING C.C. CAMP ROAD.

- 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 NOVEMBER 3, 2010.
 4. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X," AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN (FEMA/FIRM MAP NUMBER 3710390000J).
 6. SUBJECT PIN: 2000719
 7. PROPERTY OWNER: STATE OF NORTH CAROLINA



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'



PLANS PREPARED FOR:

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

PROJECT INFORMATION:
RENDEZVOUS MOUNTAIN
SITE # HP-1228
SCO ID # 09-07591-01H
WYATT ROAD
MILLERS CREEK, NC 28651
(WILKES 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	02-14-11	FINAL ZONING
0	02-10-11	PRELIMINARY ZONING

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
Z-1

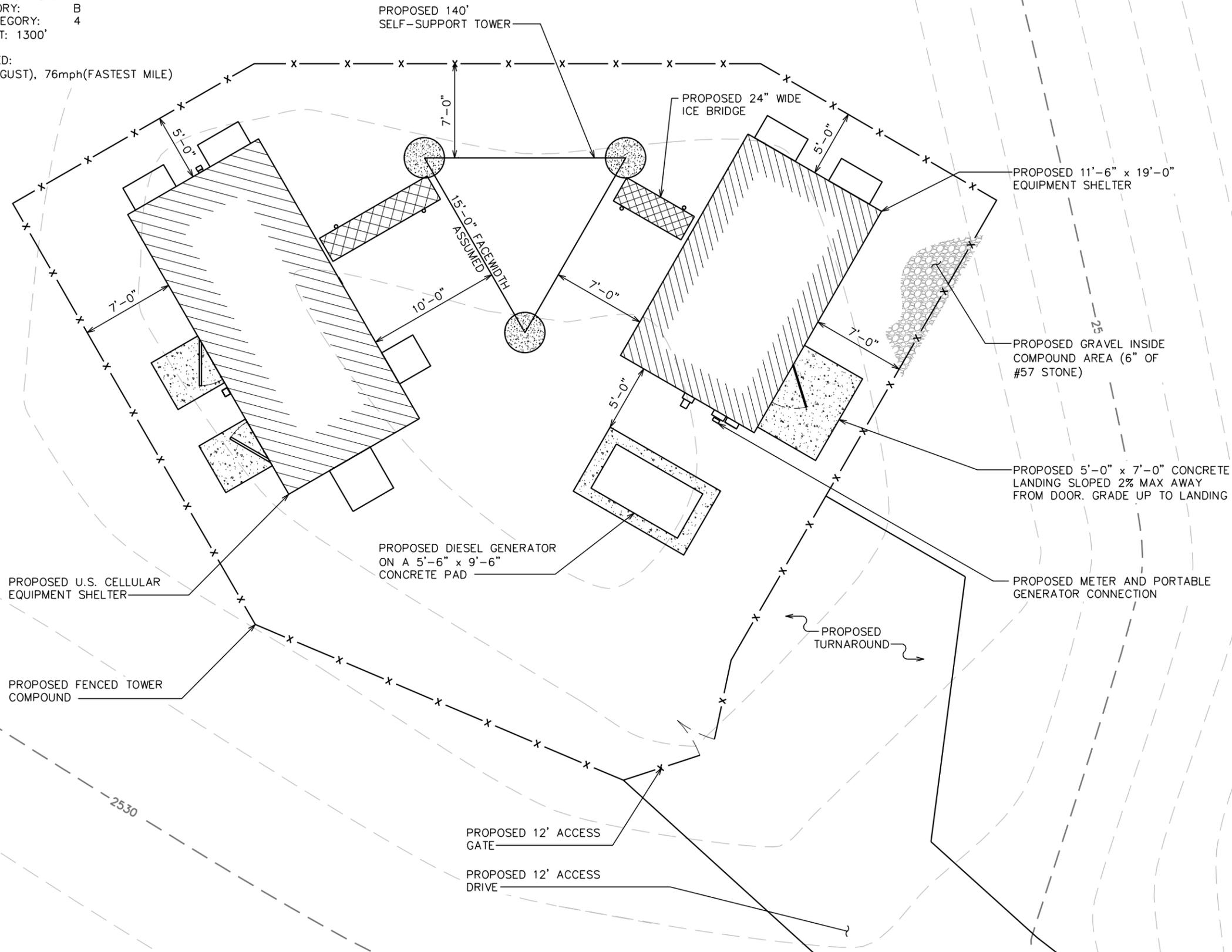
REVISION:
1
TEP #: 100826

ANSI/TIA-222-G DESIGN NOTE:

THE PROPOSED TOWER SHALL BE DESIGNED PER THE FOLLOWING PARAMETERS:

STRUCTURE CLASSIFICATION: III
 EXPOSURE CATEGORY: B
 TOPOGRAPHIC CATEGORY: 4
 CREST HEIGHT: 1300'

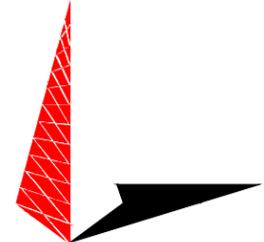
DESIGN WIND SPEED:
 90mph(3sec GUST), 76mph(FATEST MILE)



PLANS PREPARED FOR:

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

PROJECT INFORMATION:
RENDEZVOUS MOUNTAIN
SITE # HP-1228
SCO ID # 09-07591-01H
 WYATT ROAD
 MILLERS CREEK, NC 28651
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SEAL:

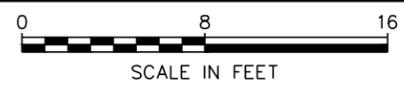

REV	DATE	ISSUED FOR:
1	02-14-11	FINAL ZONING
0	02-10-11	PRELIMINARY ZONING

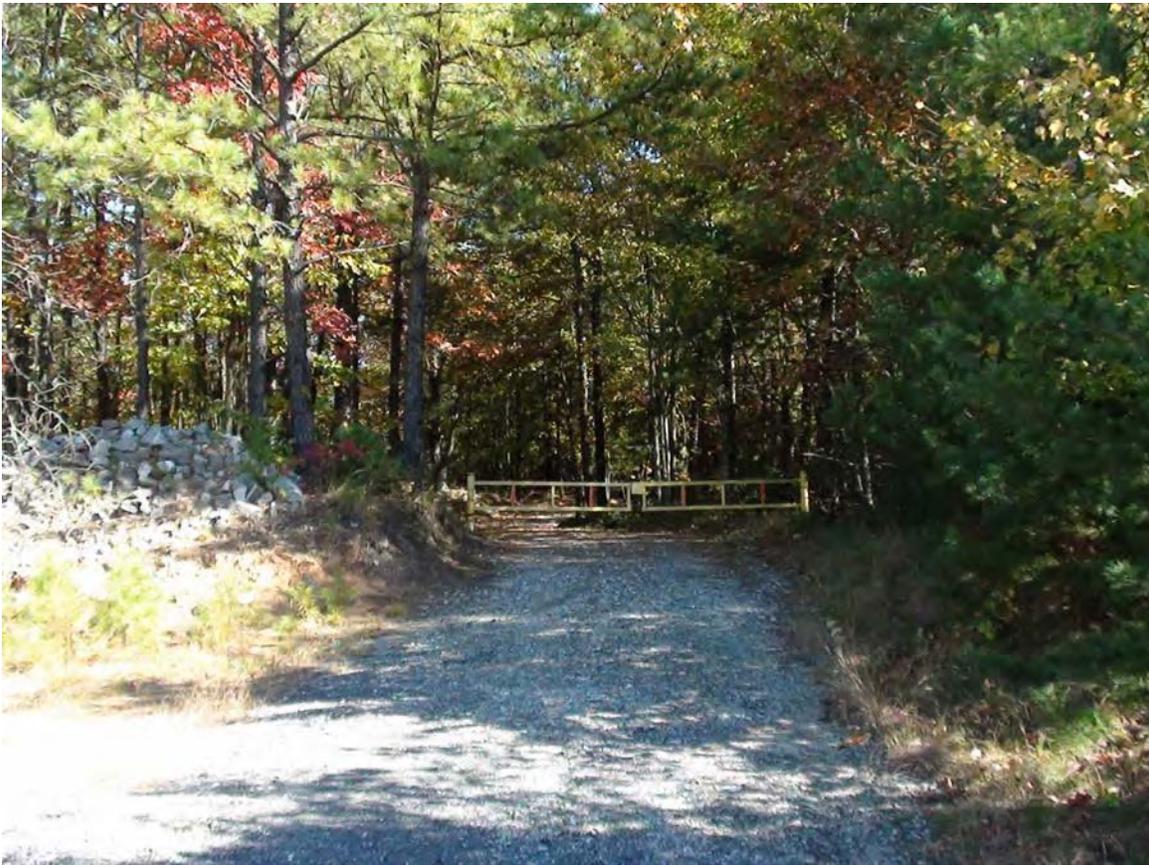
DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:
**COMPOUND
 DETAIL**

SHEET NUMBER: **Z-2** | REVISION: **1**
 TEP #: 100826

COMPOUND DETAIL
 SCALE: 1/8" = 10'





1) Photo facing north along existing earthen gravel access road



2) Photo facing north along proposed access easement at proposed tower compound



3) Photo facing north of proposed tower centerline



4) Photo facing south from proposed tower centerline



5) Photo facing east from proposed tower centerline



6) 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 01/07/2011. Your Notification ID number is **72352**. 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](#)

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, January 07, 2011 8:24 AM
To: Kyle Crawford
Subject: Proposed Tower Structure Info - Email ID #2699043

Dear Kyle W Crawford,

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: 01/07/2011

Notification ID: 72352

Tower Owner Individual or Entity Name: TEP for the North Carolina Highway Patrol

Consultant Name: Kyle W Crawford

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 36 deg 13 min 52 sec N

Longitude: 81 deg 19 min 10.3 sec W

Location Description: Wyatt Road

City: Millers Creek

State: NORTH CAROLINA

County: WILKES

Ground Elevation: 776.9 meters

Support Structure: 42.7 meters above ground level

Overall Structure: 46.3 meters above ground level

Overall Height AMSL: 823.2 meters above mean sea level

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, January 14, 2011 3:01 AM
To: Kyle Crawford
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2700052

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. Tribal Historic Preservation Specialist Yolanda M Saunooke - Eastern Band of Cherokee Indians - Bryson City, NC - electronic mail and regular mail
Details: In order to review the proposed tower location, the EBCI THPO requests a complete 620, color photos, and a completed phase I archeological survey preferably sent by email to Yolanda Saunooke, yolasaun@nc-choerokee.com. This information can also be sent via the US Postal Service to Yolanda Saunooke, Eastern Band of Cherokee Indians, 2877 Governor's Island Road, Bryson City, North Carolina 28713.

The EBCI THPO does not need to review collocations for proposed cell tower construction projects. In the event that such a project includes new ground disturbing activities, please continue to submit the proper paperwork.

2. 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.

3. 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

4. Acting THPO Lisa C LaRue - United Keetoowah Band of Cherokee Indians - Tahlequah, OK - electronic mail and regular mail

5. 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))

6. 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.

7. 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 \$150. This fee will be changing effective January 1, 2011 to \$250.

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.

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

9. 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: 01/07/2011
Notification ID: 72352
Tower Owner Individual or Entity Name: TEP for the North Carolina Highway Patrol
Consultant Name: Kyle W Crawford
Street Address: 3703 Junction Blvd.
City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-5263
Phone: 919-661-6351
Email: kcrawford@tepgroup.net

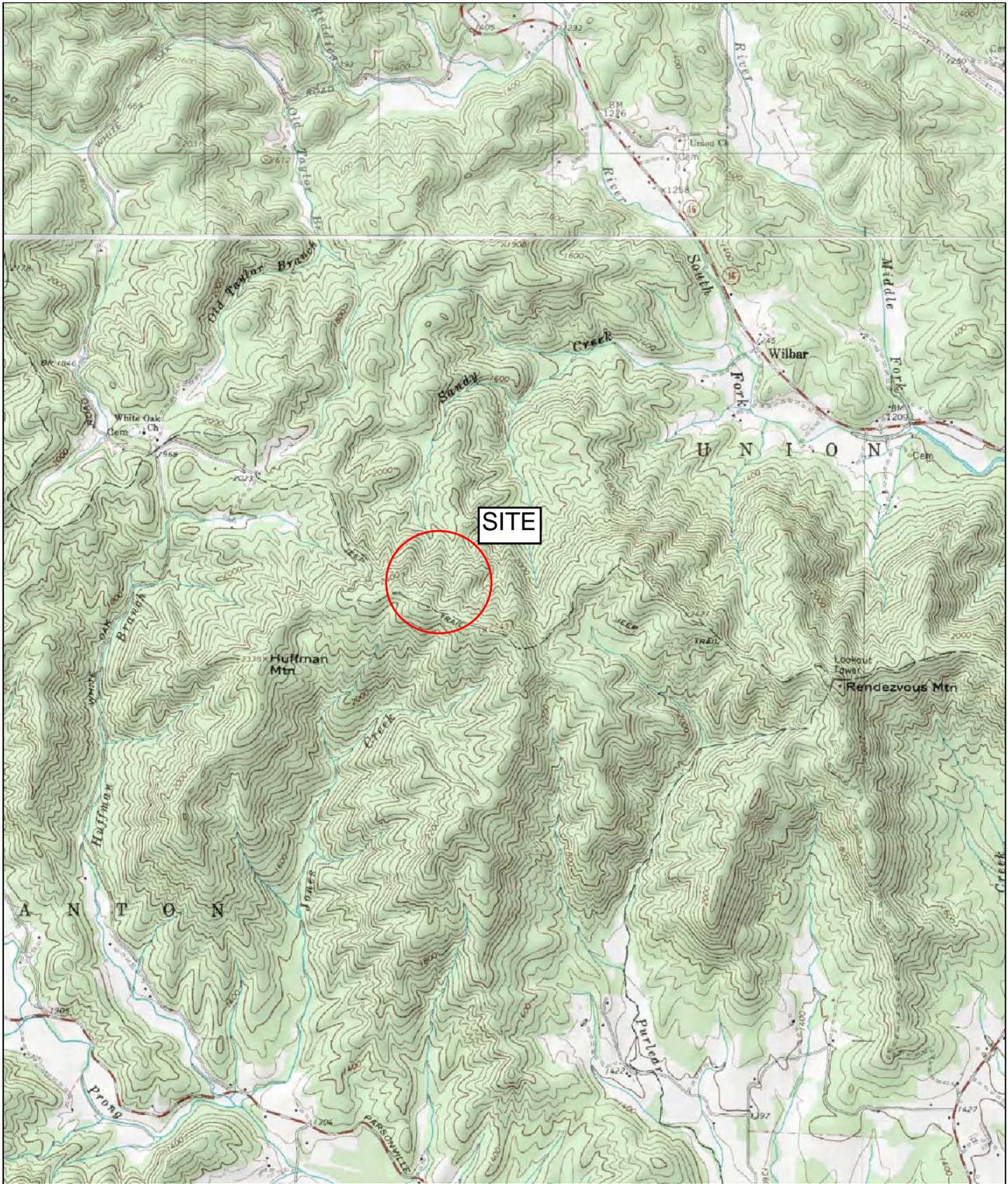
Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 36 deg 13 min 52.0 sec N
Longitude: 81 deg 19 min 10.3 sec W
Location Description: Wyatt Road
City: Millers Creek
State: NORTH CAROLINA
County: WILKES
Ground Elevation: 776.9 meters
Support Structure: 42.7 meters above ground level
Overall Structure: 46.3 meters above ground level
Overall Height AMSL: 823.2 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



0 0.75 Mi
0 4000 Ft

Map provided by MyTopo.com



Wyatt Rd

n 36 13 52, w 81 19 10.3

Image U.S. Geological Survey

© 2011 Google

©2010 Google

Imagery Date: 2/29/2008

36°13'56.83" N 81°19'08.86" W elev 2353 ft

Eye alt 10446 ft

Section III – Informal Biological Assessment

COMMUNICATIONS TOWER SITE
EVALUATION FORM

1. Location (Provide maps if possible):
State: NC
County: Wilkes
Latitude/Longitude/GPS Grid: N 36° 13' 52.0" W 81° 19' 10.3"
City and Highway Direction (2 miles W on Hwy 20, etc.): Wyatt Road, Millers Creek, NC 28651
2. Elevation above mean sea level: ~2,549-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: 140-ft
Construction Type (lattice, monopole, etc.): Self Support Lattice
Guyed-Wire? NO No. Bands: Total No. Wires:
Lightning (Security and Aviation): anticipated to be an unlit structure.
6. Area of tower footprint in acres or square feet: According to preliminary zoning drawings the area of construction is anticipated to be ~2,300-sq. ft.
7. Length and width of access road in feet:
Length: Utilize existing earthen and gravel drive for approximately 4,900-ft before turning north and continuing approximately 140-ft through undeveloped forested land uses.
Width: ~12-ft
8. General description of terrain (mountains, rolling hills, flat, flat in undulating, etc.). Photographs of the site and surrounding area are beneficial: Mountains
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:
Undeveloped Forested 100

Adjacent land use: undeveloped forested.

11. Dominant vegetative species in each habitat type:
White Pine, Loblolly Pine, Sour Wood, and Maple in the canopy
12. Average diameter breast height of dominant tree species in forested areas:
Tree species: Diameter (inches):
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: Unnamed tributary less than 0.25 mile to the northwest
16. Distance to nearest telecommunications tower: None observed at 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 NO If yes, describe:
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 Wilkes County. It is the opinion of TEP that the proposed facility will not adversely affect threatened or endangered species
20. Additional information required: _____

U.S. Fish & Wildlife Service

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

Wilkes County, North Carolina



Updated: 09-22-2010

Common Name	Scientific name	Federal Status	Record Status
Vertebrate:			
Bog turtle	<i>Clemmys muhlenbergii</i>	T (S/A)	Current
Cerulean warbler	<i>Dendroica cerulea</i>	FSC	Current
Eastern small-footed bat	<i>Myotis leibii</i>	FSC	Current
Invertebrate:			
Diana fritillary (butterfly)	<i>Speyeria diana</i>	FSC	Current
Regal fritillary (butterfly)	<i>Speyeria idalia</i>	FSC	Historic
Vascular Plant:			
Butternut	<i>Juglans cinerea</i>	FSC	Historic
Radford's St. John's-wort	<i>Hypericum sp. 1</i>	FSC	Current
Torrey's Mountain-mint	<i>Pycnanthemum torrei</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.

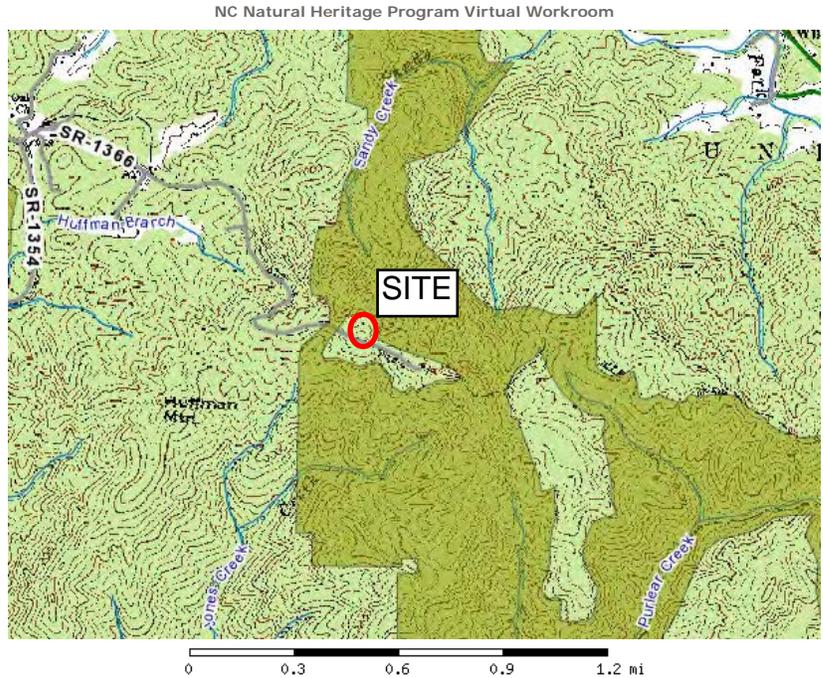
Historic - the species was last observed in the county more than 50 years ago.

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.

- Legend**
- Element Occurrences (not displayed)
 - Significant Natural Heritage Areas
 - Managed Areas
 - Roads
 - Municipalities
 - Rivers and Lakes
 - Topo Maps
 - Aerial Images (2010)
 - Topo Boundaries
 - County Boundaries
 - Redraw Map



GIS Data Sources: NCNHP, CGIA, NCDOT, USGS. NCNHP data updated on: 2011-Feb-17

[Home](#) [Help](#)

Locator Map



Map Size:
600 x 450

Functions

- Zoom In
- Zoom Out
- Pan
- Identify

Quick View

--Choose Region--

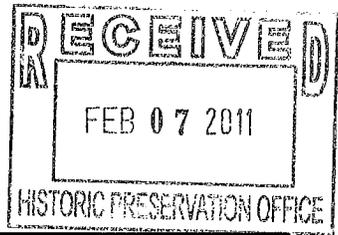
[Problems or Questions?](#)

Powered By: [MapServer](#) [PHP](#) [PostgreSQL](#) [PostGIS](#)

12 record(s) found within 2 miles of selected point

Scientific Name	EO Nb	Common Name	Date Last Observed	EO Rank	EO Accuracy	State Protection Status	Federal Protection Status	State Rank	Global Rank	Habitat Comments
Acidic cove forest	45		1999-09-07	C	Medium			S5	G5	
Acidic cove forest	54		2003-09-30	C	Medium			S5	G5	
Chestnut oak forest	1		1999-09-07	A	Medium			S5	G5	
Chestnut oak forest	63		1999-09-07	B	Very High			S5	G5	
Chestnut oak forest	91		2003-09-30	C	High			S5	G5	
Dry-mesic oak--hickory forest	9		1990-08-13	B?	Medium			S5	G5	
Low elevation rocky summit	38		1999-09-07	C	High			S2	G2	
Montane oak--hickory forest	103		2003-09-30	C	Low			S5	G5	
Pine--oak/heath	2		1999-09-07	B	Medium			S4	G5	
Pine--oak/heath	61		1999-09-07	C	Low			S4	G5	
Rich cove forest	5		1990-08-13	BC	Medium			S4	G4	
Rich cove forest	141		2003-09-30	CD	Low			S4	G4	

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 11-0200

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- 1228
 Address: Wyatt Road, Millers Creek
 County: Wilkes County, NC FCC Registration No. TCNS# 72352
 Tower type and height: 140-ft SST; 152-ft with appurtenances Quad Name: Purlear

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 1/2-mile radius: 0

Look at tower out of APE

IV. Additional Information/Investigation Needed:

NO Survey
NO Testing of sites _____
 Recommended by/on: JSM 2/7/11
 (Office of State Archaeology)

_____ Photo Reconnaissance
 _____ Balloon Test
 Recommended by/on: AK
 (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

2.7.10
 Date

cc: FCC

Rendezvous Mtn. SHPO Map



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RECEIVED
JAN 24 2011

Publisher's Affidavit

State of North Carolina, Wilkes County.

Personally appeared before me the Undersigned JULIUS C. HUBBARD, JR. and/or JOHN W. HUBBARD Co-Publishers of WILKES JOURNAL-PATRIOT, a public newspaper of general circulation, printed and published in North Wilkesboro, in the county aforesaid who, being duly sworn, upon his oath, sayeth that the notice of which the attached is a true copy, was duly published in said paper for 1 insertions successively, the first of which publication was on the 10th day of January 20 11 and the last on the — day of — 20 —

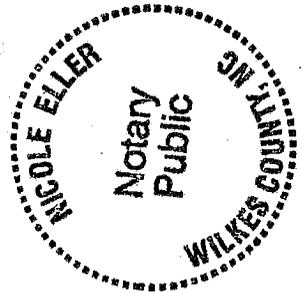
Publication Fee \$ 14.51

Julius Hubbard Jr.
Co-Publisher of Wilkes Journal-Patriot

Subscribed and sworn to before me January 20th 20 11
Nicole Eller
Notary Public

My Commission expires My Commission Expires 10-03-2014

PUBLIC NOTICE
The North Carolina Department of Crime Control and Public Safety proposes the construction of a 140-ft. (152-ft. with appurtenances) AGL Self-support Emergency Services Tower at the terminus of Wyatt Road in Millers Creek, N.C. (PIN# 2000719). Please submit any written comments by 2/10/2011 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 Sweatingen), 3703 Junction Blvd., Raleigh, N.C. 27603. Telephone: (919) 661-6351. Fax: (919) 661-6350. 1-10-11(M)





United States Department of the Interior

FISH AND WILDLIFE SERVICE

Asheville Field Office
160 Zillicoa Street
Asheville, North Carolina 28801

January 20, 2011

Mr. Kyle W. Crawford
Tower Engineering Professionals
3703 Junction Boulevard
Raleigh, NC 27603-5263

Dear Mr. Crawford:

We have reviewed your letter dated January 17, 2010, concerning the proposed construction of communications tower southeast of Wyatt Road and northwest of Millers Creek in Wilkes County, North Carolina. The following comments are provided in accordance with the National Environmental Policy Act (42 U.S.C. §4321 et seq.); the Migratory Bird Treaty Act (16 U.S.C. 703, et seq.) (MBTA); and section 7 of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531-1543) (Act).

Proposed Project. As stated in your letter, the proposed tower will be about 152 feet high (with appurtenances) and will be of a self-supporting design. The tower is not expected to have any lighting. The tower will be placed in a compound covering about 0.05-acre. The area is wooded and a new 120-ft access road will be constructed.

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. We are concerned about the potential hazard this tower could pose to migratory birds. We would prefer that you collocate an antenna on an existing tower instead of constructing a new tower. However, if you choose to construct this tower as proposed, 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. Limited data exist for bird strikes to towers of this

nature in this area, and one important way your company can greatly assist in improving our knowledge base is by working with us through cooperative agreements that include permission to gain access to standing towers of this type. Our access would occur at regular or random intervals and/or following weather events that are known to induce avian strikes.

If you have any questions regarding this matter, please contact Mr. Allen Ratzlaff of our staff at 828/258-3939, Ext. 229. Please reference our log number 4-2-11-107 in any correspondence pertaining to this matter.

Beverly Eaves Perdue
Governor
Reuben F. Young
Secretary
Michael W. Gilchrist
Colonel



North Carolina
Department of Crime Control and Public Safety
State Highway Patrol

Location:
512 N. Salisbury Street
Raleigh, NC 27604
(919) 733-7952

Mailing Address:
4702 Mail Service Center
Raleigh, NC 27699-4702

January 20, 2011

Mr. Allen Ratzlaff
Asheville Field Office
160 Zillicoa Street
Asheville, NC 28801

Re: Log Number 4-2-11-107
North Carolina Department of Crime Control and Public Safety allowing the United States Department of Interior: Fish and Wildlife Service (USFWS) access to the 152-ft (with appurtenances) self-supporting Communications Tower southeast of Wyatt Road and northwest of Millers Creek in Wilkes County, NC (**N36° 13' 52" W81° 19' 10.3"**)

Dear Mr. Ratzlaff:

The North Carolina Department of Crime Control & Public Safety will allow the U.S. Fish and Wildlife Service (USFWS) to access the restricted area surrounding the proposed Rendezvous Mt. tower site upon the completion of proposed tower construction for the sole purpose of avian mortality surveys. Due to the USFWS concerns expressed in a letter dated 1/20/2011 regarding the proposed 152-ft self-supporting tower's potential effect on Migratory birds; the N.C. Dept. of Crime Control and Public Safety will grant the USFWS permission to conduct surveys for dead birds within the Communications tower property. The Communications tower property will be restricted to the fenced compound surrounding the aforementioned tower and the necessary ground equipment.

Access to the property for the purpose of conducting the avian mortality surveys will be restricted to USFWS personnel. In addition, the N.C. Dept. of Crime Control and Public Safety will also require that Tanya Luter of the N.C. Dept. of Crime Control and Public Safety be informed of any proposed surveys at least 72 hours in advance of any surveys conducted. She can be reached via phone at 919-662-4440 or email tluter@ncshp.org. N.C. Dept. of Crime Control and Public Safety personnel will accompany USFWS personnel to the site for the purpose of providing access to restricted areas.

Sincerely,

A handwritten signature in black ink that reads "Captain Robert V. West".

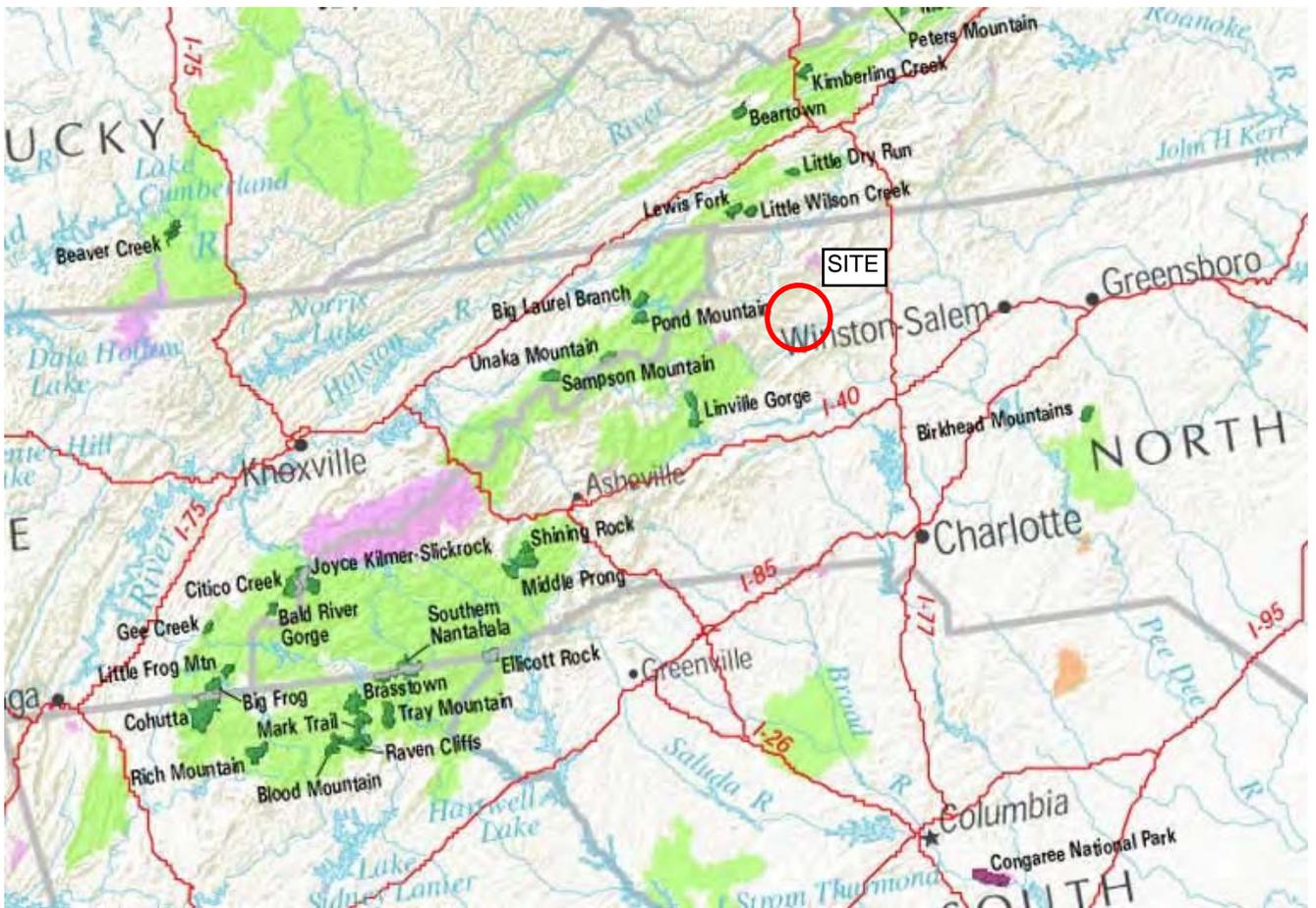
Captain R.V. West
N.C. State Highway Patrol



An Internationally
Accredited Agency

Law Enforcement Oath of Honor

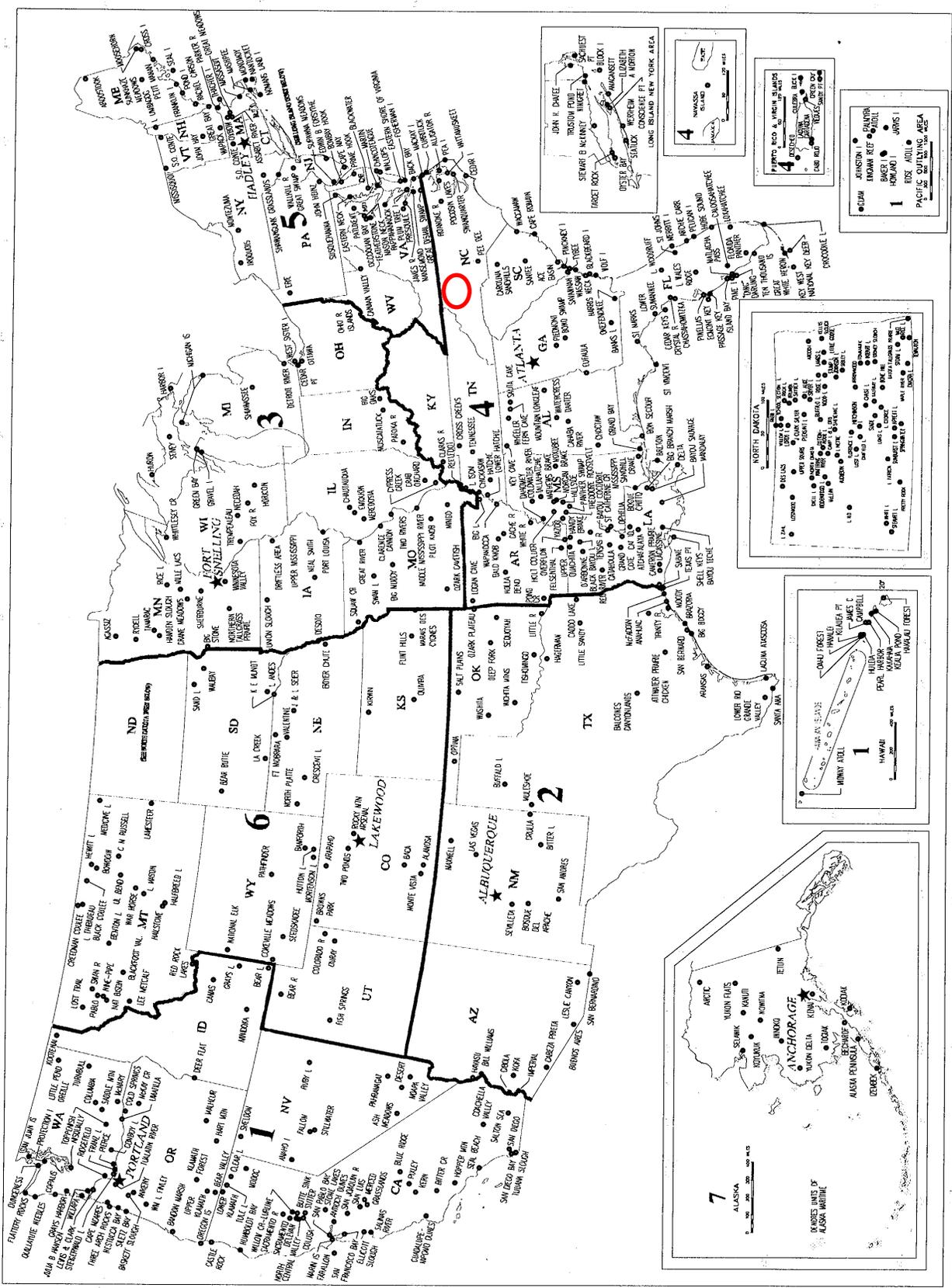
On my honor, I will never betray my badge, my integrity, my character, or the public trust. I will always have the courage to hold myself and others accountable for our actions. I will always uphold the constitution, my community, and the agency I serve.



NATIONAL WILDLIFE REFUGE SYSTEM

UNITED STATES
FISH AND WILDLIFE SERVICE

UNITED STATES
DEPARTMENT OF THE INTERIOR

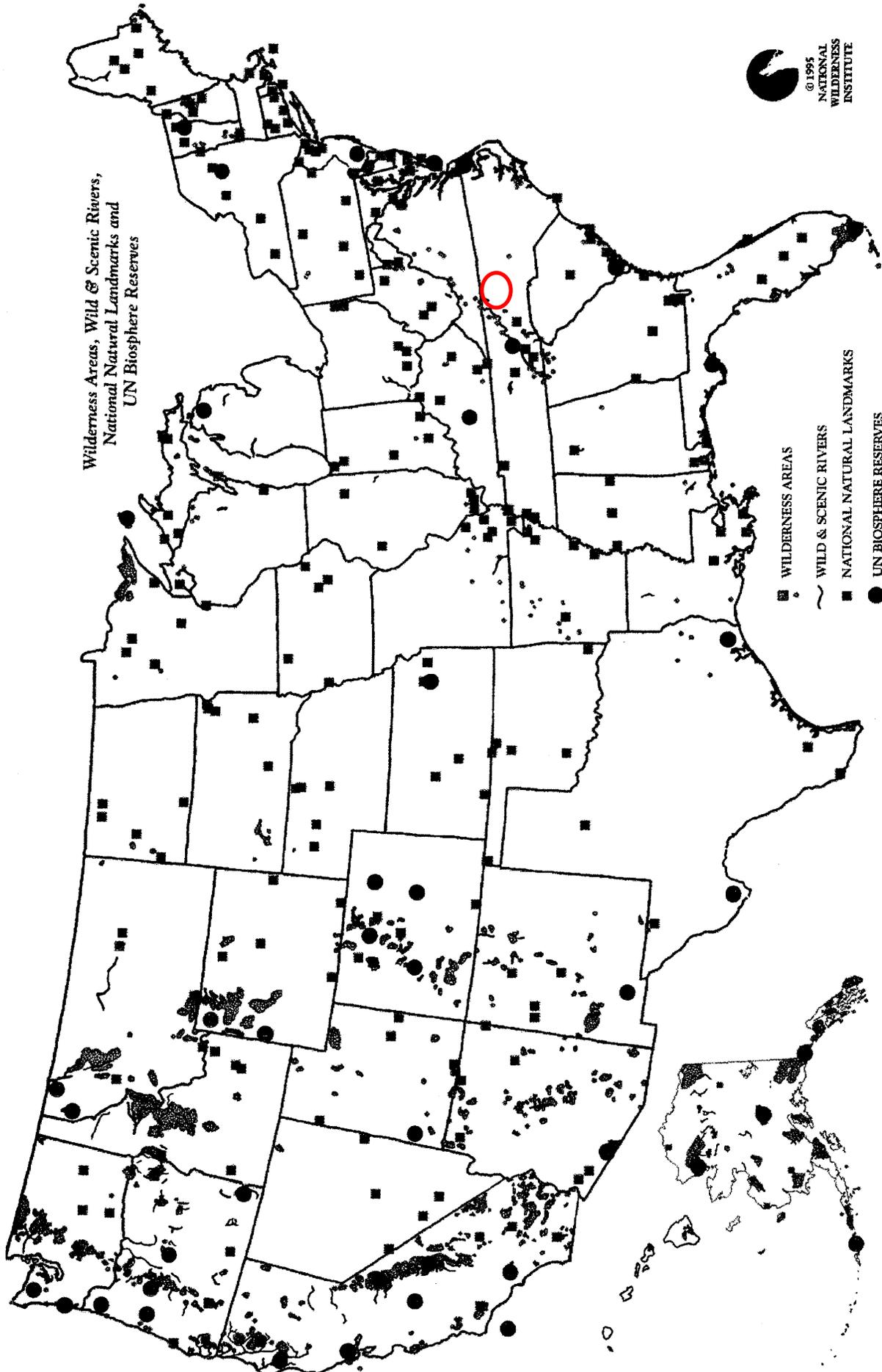


COMPILED IN THE DIVISION OF REALTY
WASHINGTON, DC SEPTEMBER 30, 2004

★ REGIONAL OFFICE

0 100 200 300 400 Miles

REGIONAL BOUNDARY



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](#)

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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





NATIONAL REGISTRY
OF NATURAL LANDMARKS
JUNE 2009

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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.



NATIONAL REGISTRY
OF NATURAL LANDMARKS
JUNE 2009

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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

[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 01/07/2011. Your Notification ID number is **72352**. 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
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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
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Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, January 07, 2011 8:24 AM
To: Kyle Crawford
Subject: Proposed Tower Structure Info - Email ID #2699043

Dear Kyle W Crawford,

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: 01/07/2011

Notification ID: 72352

Tower Owner Individual or Entity Name: TEP for the North Carolina Highway Patrol

Consultant Name: Kyle W Crawford

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 36 deg 13 min 52 sec N

Longitude: 81 deg 19 min 10.3 sec W

Location Description: Wyatt Road

City: Millers Creek

State: NORTH CAROLINA

County: WILKES

Ground Elevation: 776.9 meters

Support Structure: 42.7 meters above ground level

Overall Structure: 46.3 meters above ground level

Overall Height AMSL: 823.2 meters above mean sea level

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, January 14, 2011 3:01 AM
To: Kyle Crawford
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2700052

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. Tribal Historic Preservation Specialist Yolanda M Saunooke - Eastern Band of Cherokee Indians - Bryson City, NC - electronic mail and regular mail
Details: In order to review the proposed tower location, the EBCI THPO requests a complete 620, color photos, and a completed phase I archeological survey preferably sent by email to Yolanda Saunooke, yolasaun@nc-chokeee.com. This information can also be sent via the US Postal Service to Yolanda Saunooke, Eastern Band of Cherokee Indians, 2877 Governor's Island Road, Bryson City, North Carolina 28713.

The EBCI THPO does not need to review collocations for proposed cell tower construction projects. In the event that such a project includes new ground disturbing activities, please continue to submit the proper paperwork.

2. 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.

3. 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

4. Acting THPO Lisa C LaRue - United Keetoowah Band of Cherokee Indians - Tahlequah, OK - electronic mail and regular mail

5. 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))

6. 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.

7. 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 \$150. This fee will be changing effective January 1, 2011 to \$250.

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.

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

9. 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: 01/07/2011
Notification ID: 72352
Tower Owner Individual or Entity Name: TEP for the North Carolina Highway Patrol
Consultant Name: Kyle W Crawford
Street Address: 3703 Junction Blvd.
City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-5263
Phone: 919-661-6351
Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 36 deg 13 min 52.0 sec N
Longitude: 81 deg 19 min 10.3 sec W
Location Description: Wyatt Road
City: Millers Creek
State: NORTH CAROLINA
County: WILKES
Ground Elevation: 776.9 meters
Support Structure: 42.7 meters above ground level
Overall Structure: 46.3 meters above ground level
Overall Height AMSL: 823.2 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

Kyle Crawford

From: Yolanda Saunooke [yolasaun@nc-chokeee.com]
Sent: Wednesday, January 19, 2011 9:32 AM
To: Kyle Crawford
Subject: RE: TEP concurrence- Rendezvous Mountain TCNS# 72352

Mr. Crawford,

The EBCI THPO has reviewed the provided materials including the Phase I archeological report for the proposed communications tower construction on the Rendezvous Mountain tower site located near Millers Creek, Wilkes County, NC. The EBCI THPO concurs with the archeologist's recommendations that no archeological sites eligible for inclusion on the National Register of Historic Places were encountered during the recent phase I archeological field survey. It is the opinion of the EBCI THPO that no cultural resources important to the Cherokee people will be adversely affected by the proposed undertaking. As such, the proposed undertaking may proceed as planned. In the event that construction plans change, or cultural resources or human remains are encountered during the construction phase, all work should cease, and this office notified to continue consultation as mandated under Section 106 of the NHPA.

Please do not hesitate to contact me should you have any questions or comments.

Sincerely,

Yolanda Saunooke
Tribal Historic Preservation Office
Eastern Band of Cherokee Indians
828-554-6854

From: Kyle Crawford [<mailto:kcrawford@tepgroup.net>]
Sent: Monday, January 17, 2011 1:20 PM
To: Yolanda Saunooke
Subject: TEP concurrence- Rendezvous Mountain TCNS# 72352

Ms. Saunooke,

I have attached information regarding the proposed North Carolina Highway Patrol Site identified as Rendezvous Mountain (TCNS# 72352) for your review and concurrence. If you have any questions or need any further information regarding the proposed tower location please do not hesitate to call.

Thank you,
Kyle

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

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Wednesday, January 19, 2011 9:32 AM
To: Kyle Crawford
Cc: tcns.fccarchive@fcc.gov; yolasaun@nc-chokeee.com
Subject: Reply to Proposed Tower Structure (Notification ID: 72352) - Email ID #2705716

Dear Kyle W Crawford,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Tribal Historic Preservation Specialist Yolanda M Saunooke of the Eastern Band of Cherokee Indians in reference to Notification ID #72352:

The EBCI THPO has reviewed the provided materials including the Phase I archeological report for the proposed communications tower construction on the Rendezvous Mountain tower site located near Millers Creek, Wilkes County, NC. The EBCI THPO concurs with the archeologist's recommendations that no archeological sites eligible for inclusion on the National Register of Historic Places were encountered during the recent phase I archeological field survey. It is the opinion of the EBCI THPO that no cultural resources important to the Cherokee people will be adversely affected by the proposed undertaking. As such, the proposed undertaking may proceed as planned. In the event that construction plans change, or cultural resources or human remains are encountered during the construction phase, all work should cease, and this office notified to continue consultation as mandated under Section 106 of the NHPA.

Please do not hesitate to contact me should you have any questions or comments.

Sincerely,

Yolanda Saunooke
Tribal Historic Preservation Office
Eastern Band of Cherokee Indians
828-554-6854

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 01/07/2011
Notification ID: 72352
Tower Owner Individual or Entity Name: TEP for the North Carolina Highway Patrol
Consultant Name: Kyle W Crawford
Street Address: 3703 Junction Blvd.
City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-5263
Phone: 919-661-6351
Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 36 deg 13 min 52.0 sec N
Longitude: 81 deg 19 min 10.3 sec W
Location Description: Wyatt Road
City: Millers Creek
State: NORTH CAROLINA
County: WILKES
Ground Elevation: 776.9 meters
Support Structure: 42.7 meters above ground level
Overall Structure: 46.3 meters above ground level
Overall Height AMSL: 823.2 meters above mean sea level

Kyle Crawford

From: Richard Allen [Richard-Allen@cherokee.org]
Sent: Monday, February 14, 2011 4:58 PM
To: Kyle Crawford
Subject: RE: TEP Concurrence- Rendezvous Mountain TCNS# 72352

The Cherokee Nation has no knowledge of any historic, cultural or sacred sites within the affected area. Should any ground disturbance reveal an archaeological site or human remains, we ask that the all activity cease immediately and the Cherokee Nation and other appropriate agencies be contacted immediately.

Thank you,

Dr. Richard L. Allen
Policy Analyst
Cherokee Nation
P.O. Box 948
Tahlequah, Oklahoma 74465
(918) 453-5466 (office)
(918) 822-2707 (cell)
(918) 458-5898 (fax)

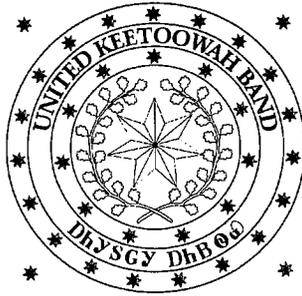
From: Kyle Crawford [<mailto:kcrawford@tepgroup.net>]
Sent: Monday, January 17, 2011 12:21 PM
To: Richard Allen; Richard Allen
Subject: TEP Concurrence- Rendezvous Mountain TCNS# 72352

Dr. Allen,

I have attached information regarding the proposed North Carolina Highway Patrol Site identified as Rendezvous Mountain (TCNS# 72352) for your review and concurrence. If you have any questions or need any further information regarding the proposed tower location please do not hesitate to call.

Thank you,
Kyle

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



United Keetoowah Band of Cherokee Indians in Oklahoma
Historic Preservation
P.O. Box 746
Tahlequah, OK 74465
918.772.4389

Date 1-18-11

TCNS# 72352

To: Kyle Crawford
Rep For The North Carolina
Highway Patrol

We have reviewed our records regarding the proposed location of the project listed above, and have determined:

- This location is not in our historic interest area.
- This location is in our historic interest area, but we have no objections. However, if any human remains and/or associated funerary items are inadvertently discovered, please cease work immediately and contact us at 918-822-1952.
- We have concerns about likely discoveries at this site, please include our tribe in an on-going government-to-government consultation regarding this project.

Lisa LaRue
Lisa C. LaRue-Stopp
Tribal Historic Preservation Officer (Acting)

1-18-11
Date



SHAWNEE TRIBE
HISTORIC PRESERVATION DEPARTMENT
29 SOUTH HIGHWAY 69A
MIAMI, OKLAHOMA 74354
918 ^ 542 ^ 2441 PHONE 918 ^ 542 ^ 9915 FAX

FACSIMILE COVER PAGE

To: Kyle FROM: Kimi Jumper
 FIRM/AGENCY: TEP DATE/TIME: 2/11/11
 FAX NUMBER: 919-6661-6350 NO. OF PAGES, INCLUDING COVER: 1
 PHONE NUMBER: _____ MEMO: 72352, 70684

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.

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.

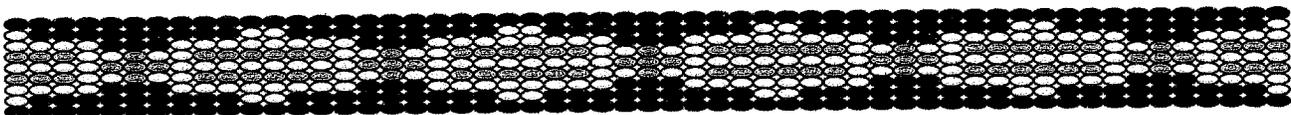
Finally, the Shawnee Tribe's Environmental and Natural Resources Department requests that cell tower sites, whenever remotely feasible, be restored to native vegetation. In all cases, habitat restoration can protect a variety of species, even in small project areas. The large number of cell tower sites 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.



Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, South Carolina 29730

Office 803-328-2427
Fax 803-328-5791



January 24, 2011

Attention: Kyle Crawford
Tower Engineering Professionals
3703 Junction Boulevard
Raleigh, NC 27603-5263

Re. THPO #	TCNS#	Project Description
2011-12-11	70932	Proposed 120ft Tower NCHI-Plateau Hope Road Vale, NC
2011-12-13	72352	Proposed 140ft Tower Rendezvous Mountain Wyatt Road Millers Creek, NC

Dear Mr. Crawford,

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.

Sincerely,


Wenonah G. Haire
Tribal Historic Preservation Officer

RETURN TO ACCOUNTING/ CORPORATE			
GL/JOB#	COST CODE	TYPE <small>SS/IN/EX</small>	
APPROVAL	DATE		
<small>(Circle One)</small>	DENIED	ON HOLD	PAY ON PAY PAY ON _____

RECEIVED
JAN 25 2011

BY:



NACD Query Results

Full Data Report

Query input:

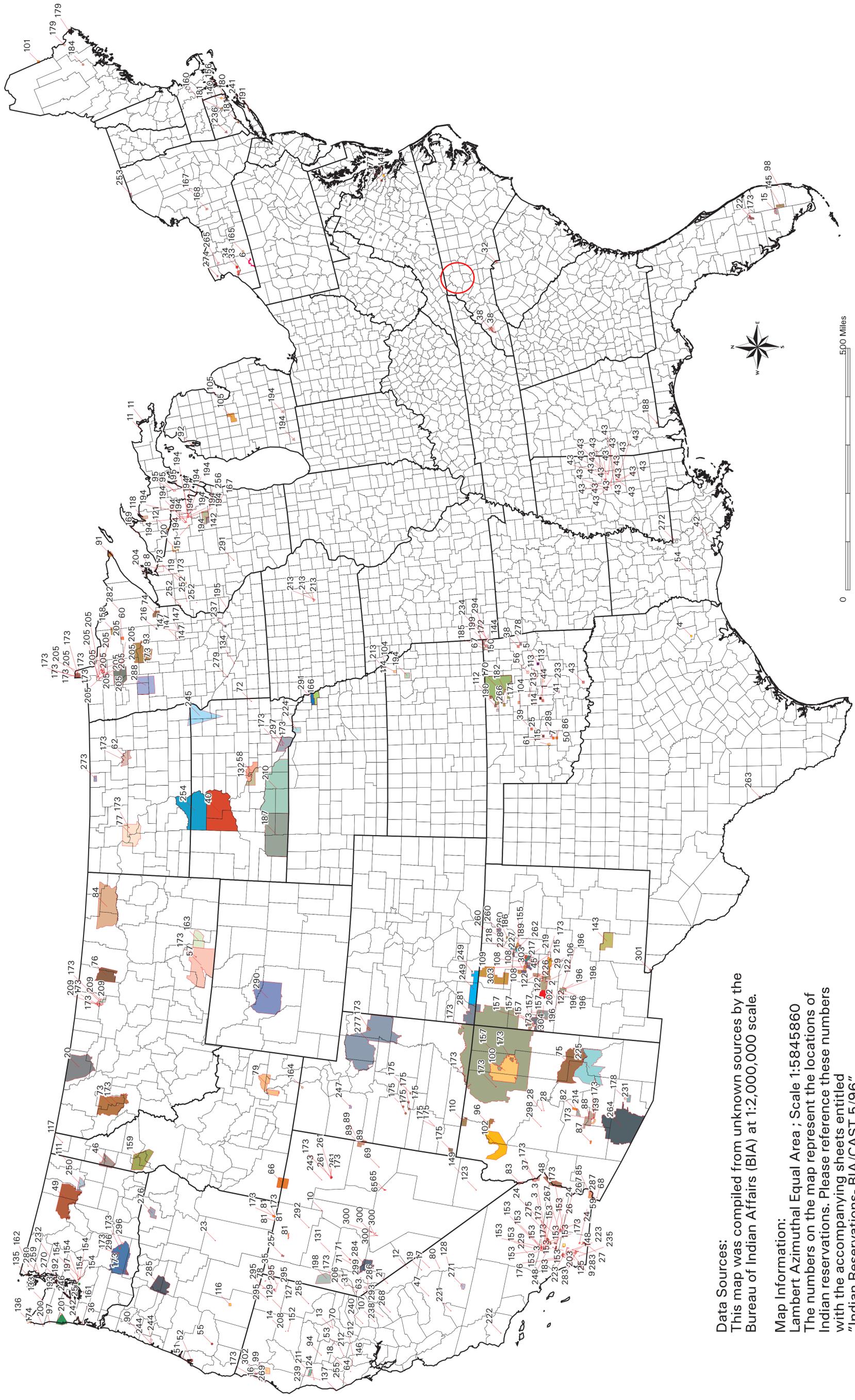
State = North Carolina
County = Wilkes

NO RECORDS FOUND MATCHING SEARCH CRITERIA

[Return to top of page](#)

[Return to Query Page](#)

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



Resources for [Tribes](#) | [Museums](#) | [Agencies](#) | [Public](#) | [Press](#)

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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[Training](#)

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[Documents and Publications](#)

[Review Committee](#)

[Special Topics](#)

[Contact National NAGPRA](#)

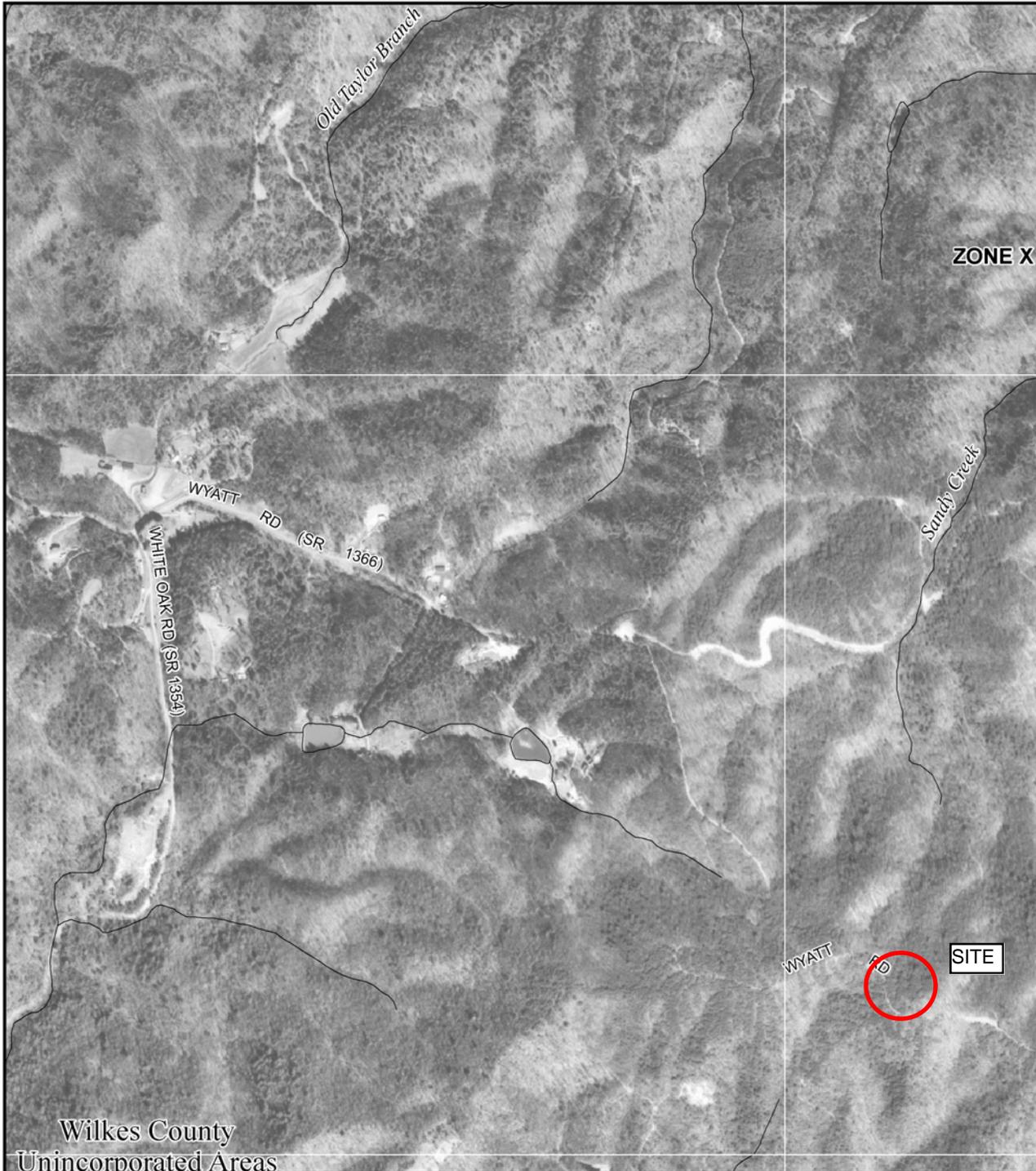
19. BISHOP	121. LAC VIEUX DESERT	223. SANTA YSABEL
20. BLACKFEET	122. LAGUNA	224. SANTEE
21. BRIDGEPORT	123. LAS VEGAS	225. SAN CARLOS
22. BRIGHTON	124. LAYTONVILLE	226. SAN FELIPE
23. BURNS PAIUTE COLONY	125. LA JOLLA	227. SAN ILDEFONSO
24. CABEZON	126. LA POSTA	228. SAN JUAN
25. CADDO *	127. LIKELY	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

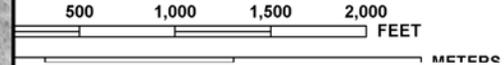
76. FORT BELKNAP	179. PASSAMAQUODDY	282. VERMILION LAKE
77. FORT BERTHOLD	180. PAUCATAUK PEQUOT +	283. VIEJAS
78. FORT BIDWELL	181. PAUGUSETT +	284. WALKER RIVER
79. FORT HALL	182. PAWNEE *	285. WARM SPRINGS
80. FORT INDEPENDENCE	183. PECHANGA	286. WASHOE
81. FORT MCDERMITT	184. PENOBSCOT	287. WEST COCOPAH
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		



Wilkes County
Unincorporated Areas



GRID NORTH
SCALE 1" = 1,000' (1 : 12,000)



PANEL 3900J

FIRM
FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 3900

(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	CID No.	PANEL	SUFFIX
WILKES COUNTY	370256	3900	J

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.

EFFECTIVE DATE **MAP NUMBER**
MARCH 2, 2009 **3710390000J**



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



U.S. Fish and Wildlife Service

National Wetlands Inventory

Rendezvous
Mountain

Jul 10, 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:

Appendix C: NC DENR Air Pollution Response

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
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

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.

From: Kyle Crawford [mailto:kccrawford@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

Appendix D: Unique & Prime Farmland Impact Rating Form

U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request	4/5/12
Name Of Project	NC Highway Patrol Site: Rendezvous Mountain	Federal Agency Involved	NC Dept. of Crime Control and Public Safety
Proposed Land Use	140-ft. SST Communications Tower	County And State	Wilkes County, North Carolina

PART II (To be completed by NRCS)		Date Request Received By NRCS	4/5/2012		
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Acres Irrigated	Average Farm Size
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %			Amount Of Farmland As Defined in FPPA Acres: %	
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS 4/5/2012			

PART III (To be completed by Federal Agency)	Alternative Site Rating			
	Site A	Site B	Site C	Site D
	A. Total Acres To Be Converted Directly	0.1		
	B. Total Acres To Be Converted Indirectly	0.0		
C. Total Acres In Site	0.1	0.0	0.0	0.0

PART IV (To be completed by NRCS) Land Evaluation Information				
A. Total Acres Prime And Unique Farmland				
B. Total Acres Statewide And Local Important Farmland				
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted	0.0001			
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value				

PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)	0	0	0	0
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PART VI (To be completed by Federal Agency) Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))	Maximum Points				
1. Area In Nonurban Use					
2. Perimeter In Nonurban Use					
3. Percent Of Site Being Farmed					
4. Protection Provided By State And Local Government					
5. Distance From Urban Builtup Area					
6. Distance To Urban Support Services					
7. Size Of Present Farm Unit Compared To Average					
8. Creation Of Nonfarmable Farmland					
9. Availability Of Farm Support Services					
10. On-Farm Investments					
11. Effects Of Conversion On Farm Support Services					
12. Compatibility With Existing Agricultural Use					
TOTAL SITE ASSESSMENT POINTS	160	0	0	0	0

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	0	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	0	0	0	0

Site Selected: Rendezvous Mountain HP-1228	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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Reason For Selection: Site will provide suitable radio frequency coverage for the statewide public safety (VIPER) communications network.

Appendix E: DHS Public Notice

APR 07 2012

PUBLIC NOTICE

The North Carolina Department of Crime Control and Public Safety, the North Carolina State Highway Patrol and the Federal Emergency Management Agency (FEMA) - U.S. Department of Homeland Security (DHS) are requesting comment regarding the construction of a proposed 140-ft. (152-ft. with appurtenances) AGL Self Support Lattice Emergency Services Tower to be located at 585 Wyatt Road, Millers Creek, Wilkes County, N.C. 28651, at latitude: N 36° 13' 52.073", longitude: W 81° 19' 10.309" (NAD '83), and (Wilkes County PIN 2000719). We are also requesting comment, in accordance with Section 106 of the National Historic Preservation Act (NHPA), regarding the potential impacts to historical or archaeological properties listed on, or eligible for listing on the National Register of Historic Places (NRHP), by the proposed emergency services tower. All comments should be submitted within 30 days of the publication of this notice referencing project: (Rendezvous Mountain HP-1228, 2010-SS-T0-0075 PIMS 10326) and sent to the attention of George Swearingen, Tower Engineering Professionals Inc., 3703 Junction Blvd., Raleigh, N.C. 27603. Mr. Swearingen may also be reached via email at gswearingen@tepgroup.net via telephone at (919) 661-6351 or via facsimile at (919) 661-6350.

3-7-11(W)

\$ 27.41

Publisher's Affidavit

State of North Carolina, Wilkes County.

Personally appeared before me the Undersigned JULIUS C. HUBBARD, JR. and/or JOHN W. HUBBARD Co-Publishers of WILKES JOURNAL-PATRIOT, a public newspaper of general circulation, printed and published in North Wilkesboro, in the county aforesaid who, being duly sworn, upon his oath, sayeth that the notice of which the attached is a true copy, was duly published in said paper for 1 insertions successively, the first of which publication was on the 7th day of March 20 12 and the last on the — day of — 20 —.

Julius Hubbard Jr.

Co-Publisher of Wilkes Journal-Patriot

Subscribed and sworn to before me

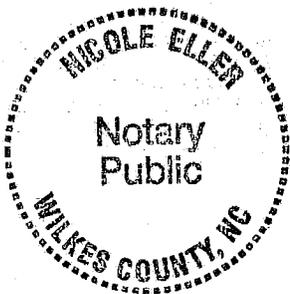
April 5th 20 12

Nicole Eller

Notary Public

My Commission Expires 10-03-2014

My Commission expires _____



APPENDIX F: Preparer's Resume



George T. Swearingen, III

Environmental Division Manager

EDUCATION

North Carolina State University, Raleigh, NC
Degree: Bachelor of Science (1996)
Major: School of Forest Resources - Natural Resources: Ecosystem Assessment

WORK SUMMARY

Tower Engineering Professionals, Inc. Raleigh, NC (December 1, 1999 – present)

- Environmental Division Manager
- Managed the completion of ~1000+/- Phase I Environmental Site Assessments (ESA) throughout the United States (NC, SC, GA, FL, VA, TN, KY, NJ, MA, OH, IL, TX, NM, CO, WY, MT, AZ, UT, NV).
- Managed the completion of ~1000+/- National Environmental Policy Act (NEPA) (FCC Compliance Checklists).
- Wetland Delineations, Federal & State Wetland Impact Permits, Endangered Species surveys, Section 106 Compliance surveys, Native American Consultation, etc.
- Supervised the completion of ~100+/- Phases II ESA's for Communications towers in the United States.
- Managed the completion of ~50 NEPA Environmental Assessments (NEPA – EA) due to issues discovered during the initial NEPA Checklist screening process.
- Restored and/or stabilized ~3+/- miles of perennial streams in North Carolina as a Licensed North Carolina General Contractor with the City of Raleigh, NC, and as a contractor for the NC Dept. Environment & Natural Resources – Ecosystem Enhancement Program (formerly the NCDENR – Wetlands Restoration Program).

KCI Associates of NC, Raleigh, NC (May 30, 1996 – November 30, 1999)

- Environmental Scientist I & II
- Conducted and supervised the completion of Phase I - Environmental Site Assessments (ESA) for proposed Telecommunication tower projects and various commercial real-estate transactions for numerous banks.
- Conducted and supervised the completion of National Environmental Policy Act (NEPA) Checklist documents for proposed and existing Telecommunication tower projects and stream restoration projects.
- Assisted in the completion of Phase II – ESA sampling for various proposed Communications tower facilities in North Carolina, Maryland, and Virginia.
- Project Manager for NCDOT Stream & Wetland Mitigation watershed searches for the Catawba, Neuse, and Yadkin River Watersheds. Completed the field work, research, and GIS analysis necessary to provided suitable properties for the restoration of former wetland sites for the purpose of mitigation.
- Assisted in the design and construction of numerous stream restoration and stabilization sites in North Carolina and Maryland.
- Supervised and assisted in the completion of on-site wastewater disposal soil analysis for residential and commercial development.
- Supervised and assisted in the completion of wetland boundary surveys for various types commercial development



Andrew B. Blake

Environmental Division – Environmental Scientist II

EDUCATION

North Carolina State University
Raleigh, NC – College of Natural Resources
Degree: Bachelor of Science (2011)
Major: Environmental Technology and Management
OSHA 40-hr HAZWOPER Certification

WORK SUMMARY

Tower Engineering Professionals, Inc. Raleigh, NC (December 2010 – present)

- Environmental Scientist II
- Assisted with the completion of Phase I - Environmental Site Assessments (ESA) for proposed Telecommunication tower projects throughout the southeastern United States (NC, SC, VA, GA, WV, TX IL, OH, FL, MD, UT, NV, AZ, WY, NM, CO and Canada).
- Assisted with the completion of National Environmental Policy Act (NEPA) Checklist (FCC Compliance Checklists) documents for proposed and existing Telecommunications tower projects.
- Assisted with the completion of NEPA Environmental Assessments (NEPA – EA) due to issues discovered during the initial NEPA Checklist screening process
- Completed Biological Assessments for Rare, Threatened and Endangered Species
- Assisted with Section 106 Compliance Surveys
- Completed Native American Consultation for proposed Telecommunication tower structures as per FCC-TCNS guidelines.
- Conducted the completion of perennial stream restoration and/or stabilizations for the City of Raleigh, NC

North Carolina State University Raleigh, NC (June 2010 – November 2010)

- Progress Energy/Environmental Technology Intern
- Assisted two graduate students in the Natural Resources - Ecological Restoration program at North Carolina State University evaluate and assess stream restoration projects throughout the Piedmont Region of North Carolina.
- Collected and assessed 1,000+ soil samples for chemical analysis and Bulk Density analysis
- Assessed the condition and installation of in-stream structures in previous stream restoration projects.
- Presented results of soil chemical analysis and bulk density testing at the North Carolina undergraduate research symposium at Meredith College in the November of 2010.