

Draft Environmental Assessment

North Carolina Highway Patrol VIPER Communications Tower – Lillington (HP-1166)

Lillington, Harnett County, North Carolina

North Carolina Crime Control and Public Safety/
North Carolina Emergency Management

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FEMA

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Acronym List

ACHP -	Advisory Council of 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 potential environmental impacts of the construction of the proposed Lillington Voice Interoperability Plan for Emergency Responders (VIPER) Communications Tower in the Town of Lillington, Harnett 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 City of Lillington applied for grant funds from the Homeland Security Grant Program (HSGP), and 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 current radio frequency coverage needs of the North Carolina Highway Patrol in Harnett County and surrounding areas and 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 government entities the following benefits, which are currently unattainable using existing communication systems:

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

3.0 ALTERNATIVES CONSIDERED

3.1 NO ACTION

Under No Action, nothing would be done to improve public safety communication in Harnett County, North Carolina and surrounding areas and between federal, State, and local public safety offices and personnel. Current emergency services radio system network requirements would operate less efficiently, which would 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 Harnett 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 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, or the citizens of Harnett County.

3.2 PROPOSED ACTION

Under the Proposed Action, FEMA would fund construction of a VIPER Communications Tower in the Town of Lillington, Harnett County, North Carolina. This proposed 380-ft tall communications tower and its strategically located site significantly expands communications coverage radius for Harnett County and parts of surrounding counties, to provide more reliable interoperable communications for public safety first responders in these areas.

The 380-ft tall, self-supporting communications tower would be surrounded by an irregular shaped security fenced tower compound (32' x 40' x 8' x 40' x 36' x 21'). The fenced compound would include: an equipment shelter and a stand-alone 80 kW diesel emergency generator on a 5' 6" x 9' 6" concrete foundation pad (Figure 3).

3.3 ALTERNATIVES CONSIDERED AND DISMISSED

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

The first action alternative considered and dismissed 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 privatization of South Carolina's system and the amount of funding needed to maintain and expand the system, Motorola, Inc. required user fees of \$75 per radio. Due to 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 Lillington project.

The second alternative considered and dismissed was a satellite based communications system. Satellite based systems are beneficial because they 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. 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 Lillington Communication Tower Project would be located in the Town of Lillington, Harnett County, North Carolina. Harnett County’s population was 114,678 and Lillington’s population was 3,194 in 2010 (U.S. Census Bureau). The Town of Lillington is near the center of Harnett County, and about 30 miles south of the City of Raleigh.

The proposed Lillington Communication Tower Project site is located at N 35° 23’ 32.220” latitude and W 78° 48’ 8.179” longitude (NAD 83), at an elevation of 181.2-ft AMSL (NAVD 88) (USGS map, Figure 2). The project site is shown on a Google Earth aerial photograph (Figure 4).

Access to the Proposed Action site would be by an existing asphalt road and across an existing graveled parking area on the site. The existing asphalt road runs north-northeast from Edwards Brothers Drive for 620 feet, to an existing graveled drive/parking area for 145 feet, then north on an existing graveled drive/parking area for 150 feet. The proposed Lillington communication tower fenced area would be on an existing graveled parking area.

The Proposed Action project site is a 9.94-acre parcel owned by Harnett County and associated with the Harnett County Emergency Services Facility. The parent property is identified by the Harnett County Tax Assessor’s Office as PIN Number 0559-87-6656.000.

The table below summarizes the Proposed Action’s likely environmental impacts. Affected environmental/resources are further discussed after this table; unaffected environmental/resources are not discussed further.

Table 1: Summary of Impacts				
Affected Environment/ Resource	No Impact	No Significant Impact	Significant Impact	Mitigation/Best Management Practices (BMPs)/Other Information
Geology	X			
Soils		X		Minor soils impacts from construction. Required soil erosion reduction BMPs would be used. Details in this table’s Water Quality section.
Air Quality		X		Dust emissions would be reduced by decreasing vehicle speed and wetting exposed soils. Fuel-burning equipment running times would be

				minimized and engines would be properly maintained.
Wild and Scenic Rivers	X			No wild or scenic rivers in Harnett County.
Water Quality		X		Soil erosion reduction BMPs will be used, including among others: silt fences, wetting bare soil, and cover with wheat straw during and after construction; and vegetating bare soil after construction.
Wetlands	X			The project site does not have any wetlands.
Floodplains	X			The project site is not located in a floodplain (i.e., Special Flood Hazard Area).
Coastal Resources	X			Not applicable.
Threatened and Endangered Species		X		Two terrestrial and one aquatic threatened or endangered species are known to occur within Harnett County.
Migratory Birds		X		Tower would be less than 500 feet (152 meters) AGL. Tower lighting would be per Federal Aviation Administration (FAA) regulations.
Wildlife and Fish		X		Minor impact on wildlife and fish from minimal disturbance.
Vegetation	X			No notable impact on any vegetation.
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			None know. Incidental discovery requirements below.
Socioeconomic Concerns		X		Improved communications in Harnett County and parts of surrounding counties, to improve public safety first response services.
Environmental Justice	X			No adverse impacts on any people.
Human Health and Safety		X		Improved interoperable communications in Harnett County and parts of the surrounding counties, for better public health

				and safety.
Noise		X		Noise producing activities would be done during normal working hours of 7:00 a.m. to 5:00 p.m. local time.
Public Service and Utilities		X		No notable impact on electrical or communications infrastructure.

4.1 PHYSICAL RESOURCES

4.1.1 Geology and Soils

Geology would not be effected by the Proposed Action and was not further evaluated (USDA).

Proposed Action site grading and excavating would cause temporary soil disturbance and possible soil erosion and sediment-laden surface runoff. BMPs would be used to reduce erosion and sedimentation. BMPS may include, among others: wetting soil to reduce erosion and dust, installing silt and sediment control fences, and seeding and wheat straw mulching.

Based on review of USDA soil classification for the Proposed Action, project site soil types are defined as “prime”. Consultation with Kristen May, USDA North Carolina Area Research Soil Scientist, was done to determine if mitigation and regulatory requirements would be required. The proposed site received a total land evaluation score of 125 based upon the Farmland Protection Policy Act (FPPA), Farmland Impact Rating form provided to and completed by Ms. Kristen May. Sites receiving less than 160 points do not need further consideration for protection due to the lack of potential adverse impacts on existing land use activities. Due to the proposed area of disturbance being less than 1-acre and the Farmland Impact score of 125, it was determined that project construction would not significantly affect prime or unique soils.

4.1.2 Air Quality

Construction vehicle and equipment activities would be during normal working hours of 7:00 a.m. to 5:00 pm, and would have minor, short-term adverse impacts on air quality at and near the Proposed Action site. However, due to limited duration of vehicle and equipment use, and properly maintaining and operating vehicles and equipment, criteria air pollutants would not increase above accepted levels, resulting in no significant air quality impact.

After construction completion, ambient air quality at and near the Proposed Action site would likely return to previous, normal levels. The Proposed Action would not result in long-term operation of significant emission-generating sources, nor would it significantly alter existing ambient air quality. The proposed 40- to 80-kW emergency diesel powered generator, located within the proposed tower compound, would be an intermittent emission source. Generator frequency and duration of emissions would be limited due to the generator only being used during power outages and routine inspections. Also, Federal regulations limit backup generator use to 500 hours per year. North Carolina Highway Patrol communication tower sites use 40- to 80-kW

Generac® Industrial Diesel Generators. 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 of the 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. However, Mr. Davey also indicated there are no Federal Regulations under the Clean Air Act for emergency use generators with a rated capacity of under 590-kW for Diesel fired engines (Appendix F).

Emergency generator use is not expected to cause ambient air quality levels to notably increase at the proposed tower site, nor any adverse long term impacts on air quality, due to the limited duration and frequency of generator use. Therefore, there would be no significant impact to air quality from operations-related activities.

4.2 WATER RESOURCES

4.2.1 Wild and Scenic Rivers

Tower Engineering Professional's (TEP) personnel reviewed information at the www.rivers.gov website, which indicates five Designated Wild and Scenic Rivers are located in North Carolina, but none are within Harnett County. Also, the National Park Service Rivers, Trails and Conservation Assistance (NPS RTCA) program identified no significant streams within Harnett County. The Proposed Action would not impact to Wild or Scenic Rivers, or significant streams.

4.2.2 Water Quality

The nearest jurisdictional water body, the Cape Fear River, is located about 0.75 miles north of the proposed tower site. According to North Carolina Department of Environment and Natural Resources (NCDENR), because the Proposed Action site is less than one acre, a NPDES permit is not required. Based upon area topography and distance to the nearest surface water, the Proposed Action would not adversely affect any water body or water quality.

Water quality impacts during tower and compound construction may originate from soil erosion and sediment-laden surface runoff from soil disturbance and exposure associated with temporary material staging locations, site preparation, access road construction, and daily site access for short periods during construction. Also, vehicle and equipment refueling has the potential for spills of petroleum products. All of these activities would be minor and temporary.

Considering the 0.05 acres of disturbance associated with the Proposed Action site and distance to the nearest surface water feature, construction is unlikely to result in significant erosion. Any minor erosion and surface runoff from construction will be further reduced or mitigated by using BMPs. BMPs for soil erosion control for projects like this typically include silt fencing and/or straw bales to control erosion, minimizing exposed soil needed for each activity, siting staging areas to minimize erosion, replanting as soon as practicable, mulching, using temporary and/or permanent gravel covers, and limiting the number and speed of vehicles on the site.

Chemical, physical, or biological effects to water resources would not violate water quality standards and criteria. Construction would not significantly affect water quality.

Post-construction operations impacts would be limited to minor erosion before the site is fully revegetated or during emergency generator refueling. Herbicide uses may contaminate surface runoff and nearby “receiving” waters when applied to the gravel access road or fenced compound to prevent weed growth. However, the potential for water quality impacts from a petroleum spill from emergency generator refueling or from a herbicide spill or application are minimal due to the limited occurrences annually and the small quantity that would be needed onsite.

BMPs during project construction would continue until the 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 the 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. Chemical, physical, or biological effects to water resources are not expected to violate water quality standards and criteria. There would be no significant impact to water quality from operations activities.

4.2.3 Wetlands

According to site inspection, the USGS Lillington, NC 7.5 Minute Topographic Quadrangle Map (Figure 2), and National Wetlands Inventory Map (Figure 6), the Proposed Action is not located within a wetland, and would not affect any wetlands (“waters of the United States”).

4.2.4 Floodplains

The Proposed Action site is not located in a floodplain, based on FEMA Flood Insurance Rate Map (FIRM) Panel #3720054800J dated 10/3/2006 (Figure 5). The Proposed Action would not affect floodplains (“Special Flood Hazard Areas”).

4.3 BIOLOGICAL RESOURCES

4.3.1 Threatened and Endangered Species and Critical Habitat

The U.S. Fish and Wildlife Service (USFWS) identified three endangered species in Harnett County, North Carolina: the Red-cockaded woodpecker (*Picoides borealis*), Rough-leaved loosestrife (*Lysimachia asperulaefolia*), and Cape Fear Shiner (*Notropis mekistocholas*). The Proposed Action site habitat was compared to the species’ habitats. No suitable habitat for these species was found at the project site during TEP site inspection on 4/23/2012. USFWS’s Raleigh Field Office concurred with the determination that the Proposed Action would “not likely to adversely affect” any federally listed species (USFWS, 6/12/2012, Appendix B).

4.3.2 Migratory Birds

The proposed self-supporting tower would be about 380 feet (115.8 m) AGL height, and would have short- and long-term minor impacts on migratory birds. No burrows, nests, rookeries, or other signs of migratory bird species or critical habitat were readily apparent during TEP site inspection on 4/23/2012.

Impacts to migratory birds could occur during erection of towers, antennas, ventilation, and air conditioning (HVAC) equipment installed using portable cranes. Construction activities along migratory bird pathways would have more potential to adversely affect migratory birds than activities in non-migratory areas.

Temporary use of equipment such as cranes to erect the communication tower, and HVAC equipment and antenna installation, would have minor, short-term effects on migratory birds

Effects on migratory birds may occur from birds' collisions with the communication tower, particularly during periods of low visibility, and from tower lighting that may distract or attract some species. Tower design, lighting, and height above surrounding trees; seasons, adjacent land features, and migratory patterns, would also affect the potential adverse effects on migratory birds. Collision probability is difficult to determine programmatically because of the wide range of variables that affect collision potential and the lack of conclusive data on causes of collision. 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."

Adverse impacts on birds resulting from collisions generally during foggy or low cloud conditions at lighted towers supported by guy wires present greater collision risk than freestanding towers or buildings. The proposed self-supporting tower would be about 380 feet (115.8 m) AGL height. Variables such as structure 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.

4.3.3 Wildlife and Fish

The Proposed Action site is inhabited by common small mammals, amphibians, insects, and other species typical in Harnett County. Tower and site construction would include excavating and grading, which could temporarily affect individual common, small mammals, amphibians, insects, and other species. However, based on the limited area of disturbance associated with the proposed construction, any impacts would be temporary and limited to individuals. Proposed tower facility construction would not significantly impact wildlife species' overall populations.

Proposed Action routine operations and maintenance would include mowing vegetation around the fenced compound and along the access drive edges. Mowing in these areas would maintain vegetation in early ecological successional stages of plant community development and may

prevent reestablishment of some plant species. Similarly, normal tower site operations may lead to minor, local habitat degradation and occasional mortality of some wildlife or insect individuals.

After construction completion, potentially adverse impacts on wildlife species sensitive to disturbance could result from temporary noise generated by climate control such as heating and air condition equipment or emergency generator operation. This recurring, temporary low-level disturbance might exclude some wildlife or insect species, or promote colonization by disturbance tolerant wildlife or insect species.

4.3.4 Vegetation

The Proposed Action site is in the Rolling Coastal Plain Ecoregion, within North Carolina's Inner Coastal Plain Physiographic Province. This province consists of low elevation, flat plains with many swamps, marshes, and estuaries. Eastern North Carolina forest once consisted of longleaf pine communities; however are now mostly dominated by loblolly and shortleaf pine, with oak, gum, and cypress near major tributaries.

The Proposed Action site is in a barren gravel parking lot, so construction would not affect vegetation. However, herbicide use for vegetation management on the site would have minor effects on vegetation, limited to new vegetation that colonizes the site. No significant impacts.

4.4 CULTURAL RESOURCES

4.4.1 Historic Properties

The Proposed Action's (undertaking's) potential effects on historic and archeological resources was considered in compliance with National Historic Preservation Act (NHPS) Section 106, and 36 CFR Part 800 (Protection of Historic Properties). Historic properties are properties that are included in the National Register of Historic Places or that meet National Register criteria.

NHPA requires the Federal Communications Commission (FCC) 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 effort). Therefore, the Section 106 review conducted for the FCC NEPA review is described in this EA, and FEMA was neither required nor conducted additional Section 106 review.

4.4.2 FCC Nationwide Programmatic Agreement

In March 2005, the FCC implemented a Nationwide Programmatic Agreement (NPA) that established rules for Section 106 consultation with the State Historic Preservation Officers (SHPOs), Tribes (Tribal Historic Preservation Officers (THPOs) or other appropriate tribal official

for tribes without a THPO) and Native Hawaiian Organizations (NHOs) that have been historically located in and/or have indicated interest in proposed communications facility sites; and public and local government involvement. To assist with the 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 with the Tribal Historic Preservation Officers (THPRs) for proposed communications tower facilities. The FCC Form 621 is also used to submit 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.

Under the FCC NPA all Tribes and NHOs who 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.

TCNS was available by Internet at <https://wireless2.fcc.gov/ulsclogin/index.htm> and required an identification number or FRN. Using TCNS, entities input a proposed communications facility’s site specific information, including: location, structure type, and structure height with and without attachments. Information entered into TCNS was then made available to the applicable SHPOs and THPOs who expressed interest in a specified geographic area.

4.4.3 State Historic Preservation Officer

TEP consulted the NC SHPO and NC Office of State Archeology to view the applicable USGS 7.5-minute topographic quadrangle maps (Lillington NC) to assess the Proposed Action’s potential significant impacts on architectural, historic, or archaeological resources. Also, TEP contracted Environmental Services, Inc., a cultural resources consulting firm, to perform an Archaeological Evaluation, of the Proposed Action’s potential effects on archaeological resources. The evaluation concluded the Proposed Action would not affect any archaeological resources eligible for inclusion in the National Register of Historic Places. Per 47 C.F.R. Part I 1.1307, Appendix C to Part I – Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process, the Secretary of Interior qualified Archaeologist determined that the Proposed Action location had been previously disturbed and “the depth of previous disturbance exceeds the proposed construction depth (excluding footings and other anchoring mechanisms) by at least 2 feet.” Therefore further archaeological evaluation (Phase I Archaeological Survey) was not warranted or required. 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 6/6/2012 for FCC requirements that included a 0.75 mile visual Area of Potential Effects (APE) (Appendix C).

4.4.4 American Indian/Cultural/Religious Sites

The TCNS system notified five American Indian Tribes that expressed interest in Harnett County, North Carolina. These Tribes were the Tuscarora Nation, Cherokee Nation, 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, if needed to obtain additional information on the Proposed Action. All American Indian Tribes concurred with the Proposed Action (Appendix E).

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 response was not received within that timeframe, then a second “follow-up” notification was given. When no response was received after the “follow-up” notification, then the FCC would be notified and interagency consultations would be completed with the non-responsive Tribe.

TEP sent follow-up notification letters on 5/18/12 to each Tribe (if needed) as identified by the TCNS system. Sections 4.4.4.1 through 4.4.4.7 summarize these consultations.

4.4.4.1 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. On 5/10/2012, the TCNS system notified all Tribes that indicated interest in Harnett County. The 30-day comment period ended on 6/10/2012. No response has been received by TEP personnel before issuance of this Draft EA and no additional consultation was required.

4.4.4.2 Cherokee Nation

TEP provided a follow-up notification letter to Dr. Richard Allen of the Cherokee Nation on 5/18/2012 by email. TEP received concurrence from the Cherokee Nation by email on 6/8/2012 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).

4.4.4.3 Eastern Shawnee Tribe of Oklahoma

TEP provided no follow-up notification to the Eastern Shawnee Tribe of Oklahoma. 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 5/10/2012, the TCNS system notified all Tribes that indicated interest in Harnett County. The 30-day

comment period ended on 6/10/2012. No response was received by TEP personnel before the issuance of this Draft EA and no additional consultation was required.

4.4.4.4 Shawnee Tribe

TEP provided follow-up notification to Ms. Kim Jumper of the Shawnee Tribe on 5/18/2012, by standard U.S. mail. TEP received concurrence from the Shawnee Tribe on 6/1/2012, 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).

4.4.4.5 Catawba Indian Nation

TEP provided a follow-up notification to Ms. Wenonah Haire of the Catawba Indian Nation Tribal Historic Preservation Office on 5/18/2012, by standard U.S. mail. TEP received concurrence from the Catawba Indian Nation on 6/7/2012 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).

4.4.5 Inadvertent Discovery

In the unlikely case that construction activities result in the inadvertent discovery of human remains, cultural, or archeological materials, all ground-disturbing work must immediately stop and all appropriate agencies, such as FEMA, NC SHPO, and American Indian Tribes with an expressed interest in Harnett County, NC will be contacted.

4.5 SOCIOECONOMIC CONCERNS

4.5.1 Environmental Justice

Presidential Executive Order (EO) 12898 (Environmental Justice) 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 Harnett County, by improving public safety and emergency services communications.

4.5.2 Noise

The Proposed Action site is located in a rural portion of Harnett County that has mostly undeveloped forest with low density residential land use. The ambient noise levels associated with rural residential areas are anticipated to reach up to between 35 and 45 dBA (FERC 2002, EPA 1978).

The Proposed Action would temporarily increase local noise. The amount and type of noise 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 would have minor, temporary adverse impacts on nearby low-density residences. The nearest residence from the proposed tower site and noise source is about 460 feet to the south. This residence is located about 100 feet north of McNeill Street. Construction noise would typically occur during normal working hours of 7:00 a.m. to 5:00 p.m., when noise would be masked by ambient noise levels of the surrounding project area, caused by proximity to McNeill Street. Noise levels before and after construction would likely drop back to the project area's normal ambient noise levels.

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. Ambient noise levels caused by traffic from McNeill Street should also partly mask the construction noise levels. 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 Action'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 normal electrical power supply 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 minor traffic impacts if appropriate planning and implementation actions are taken. Traffic would occasionally, moderately increase near the project site during construction. 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 be occasional, temporary, and not significantly affect local traffic.

4.5.4 Public Service and Utilities

The Proposed Action area has electrical and communications utilities along Edwards Brothers Drive and McNeill Street. Existing utilities along Edwards Brothers Drive would be used to provide electrical and telephone services for the Proposed Action.

Construction and operations would not cause major power shortages or require major system changes. Impacts on utilities would not be significant.

4.5.5 Public Health and Safety

The Proposed Action would be located in a graveled parking lot on an approximately 10-acre parcel with controlled access. Based on the specified elevation of the proposed antennas (>10 meters AGL) and because the site will be located in a restricted area with fencing and appropriate signage, the proposed facility is not expected to threaten public health or safety and has been determined to be categorically excluded from further assessment of radio frequency exposure per FCC NEPA regulations that can be found in 47 C.F.R. Section 1.1307(b), 1.1307(b-Table 1), and 1.1310.

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 adverse 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 Harnett 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.

Currently, the North Carolina Highway Patrol has built 63 of the proposed 119 new tower sites for the VIPER Network. According to FCC Antenna Structure Registration (ASR) System information, there are currently 4,550 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 build new towers and no towers are damaged or destroyed, would be 4,606. The proposed 119 VIPER network towers, including the 56 towers still to be built would increase the number of

communications towers in North Carolina about 2.58%. The Proposed Action's purpose is to meet the North Carolina Highway Patrol's current radio frequency coverage needs in Harnett County and parts of surrounding counties; and the need is to better protect the lives, property, environmental quality, and quality of life for over 114,000 people.

The Proposed Action would not have any significant, adverse cumulative impacts on any resource 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 AND PUBLIC INVOLVEMENT

TEP contacted the Harnett County Historical Society, Harnett County Historical Society Foundation, and Lillington Planning & Inspections Department regarding the Proposed Action by USPS mail on 5/18/2012, 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 issuance of this Draft EA. TEP also published a Public Notice in the "Daily Record" newspaper on 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 Harnett County, North Carolina and parts of surrounding counties. Existing public safety interoperable communications gaps would persist, 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 AND REVIEWERS

Document Preparers:

Principal Investigator

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Others

Ryan A. Malek, Environmental Scientist, Tower Engineering Professionals, Inc.

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

Document Reviewers:

William R. Straw, PhD, Regional Environmental Officer

Mary Rountree, Floodplain Management Specialist, FEMA Region IV

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FIGURES

Figure 1: Site Vicinity Map



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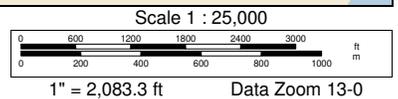
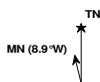
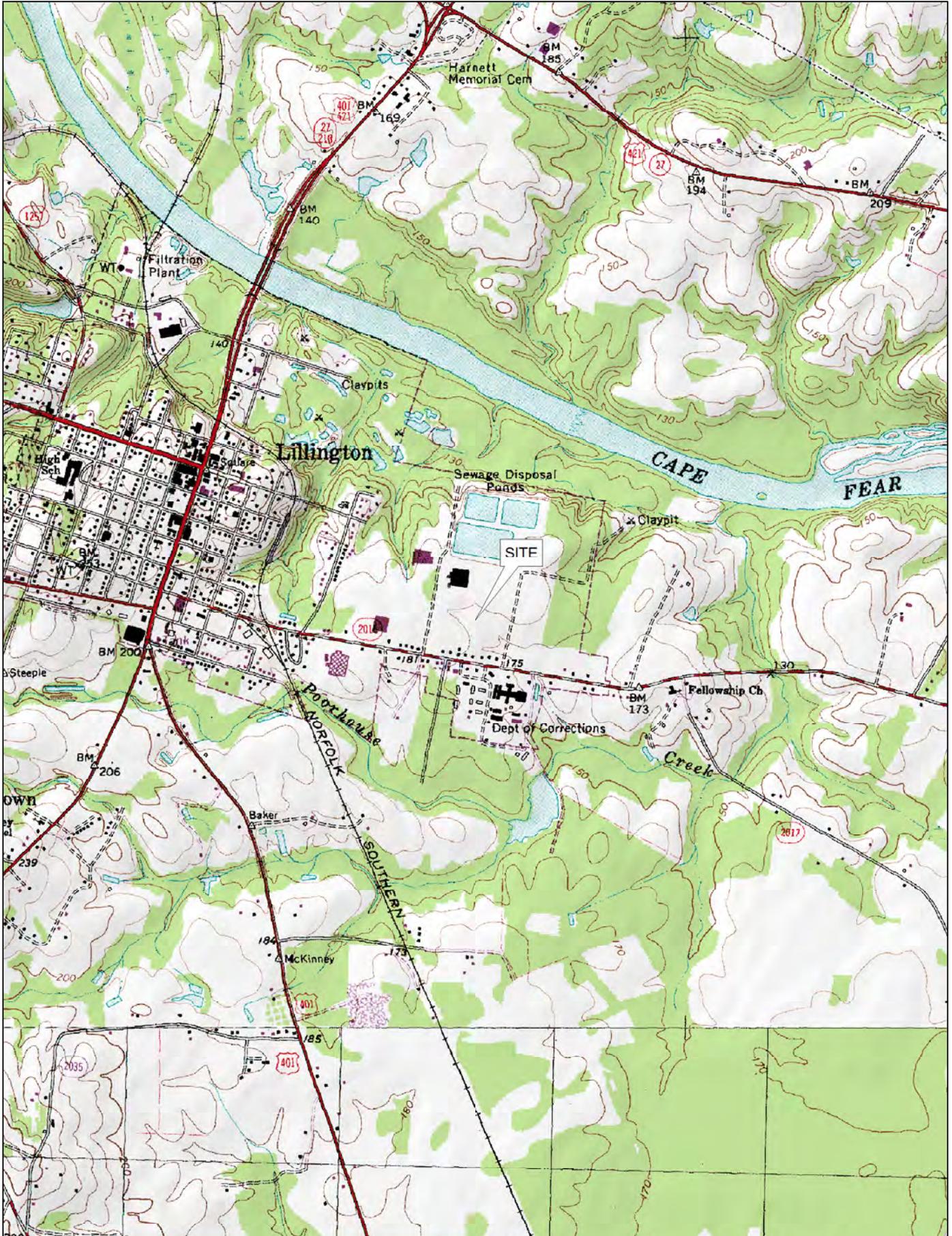


Figure 2: Topographic Map



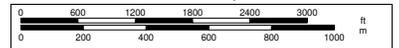
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Scale 1 : 24,000



1" = 2,000.0 ft

Data Zoom 12-4

Figure 3: Site Plan

Aerial Site Plan



GENERAL NOTES:

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

PLANS PREPARED FOR:

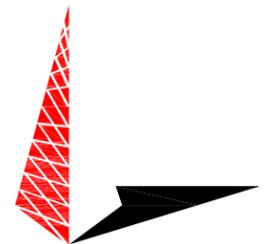


3318 GARNER ROAD, BLDG. 2
RALEIGH, NC 27607
OFFICE: (919) 662-4440

PROJECT INFORMATION:

LILLINGTON
SITE # HP-1166
SCO ID # 10-08820-01C
1005 EDWARDS BROTHERS DRIVE
LILLINGTON, NC 27546
(HARNETT 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:



2	04-16-12	ZONING
1	09-26-11	ZONING
0	09-14-11	PRELIMINARY ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: TRG CHECKED BY: JBG

SHEET TITLE:

PROJECT NOTES

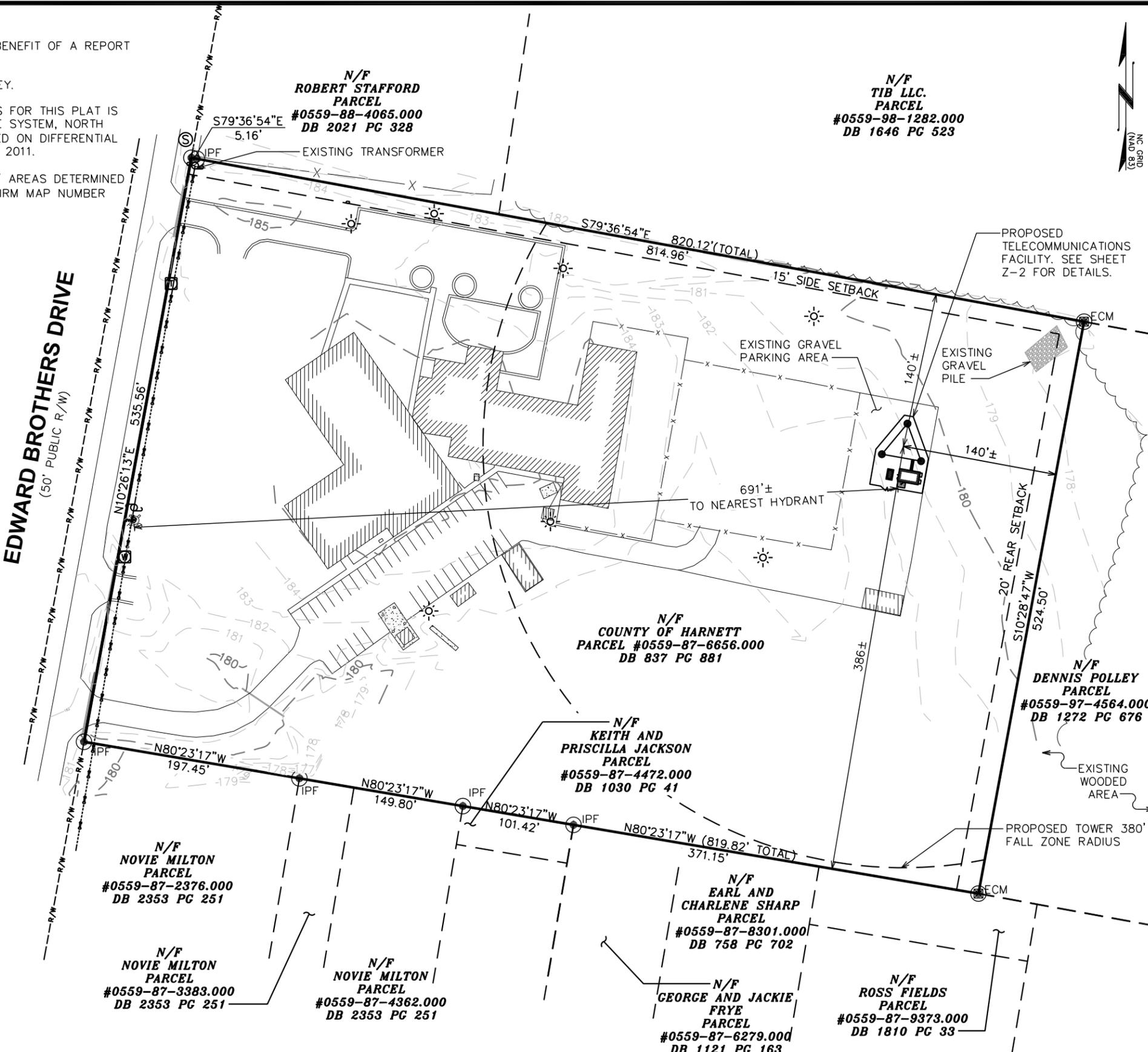
SHEET NUMBER: N-1	REVISION: 2 TEP #: 111273
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NOTES:

1. THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A REPORT OF TITLE.
2. THIS PLAN DOES NOT REPRESENT A TITLE SURVEY.
3. THE BASIS OF THE MERIDIANS AND COORDINATES FOR THIS PLAT IS THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NCSPCS NAD 83), BASED ON DIFFERENTIAL GPS OBSERVATIONS PERFORMED ON AUGUST 23, 2011.
4. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X," AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN (FEMA/FIRM MAP NUMBER 3720054800J).
6. SUBJECT PIN: 0559-87-6656.000
7. PROPERTY OWNER: COUNTY OF HARNETT

EDWARD BROTHERS DRIVE
(50' PUBLIC R/W)

LEGEND	
	WATER VALVE
	FIRE HYDRANT
	EXIST. PROPERTY LINE
	ADJ. PROPERTY LINE
	EXIST. UTILITY POLE
	EXIST. TELCO PEDESTAL
	EXIST. MANHOLE COVER
	EXIST. LIGHT POLE
	EXIST. CONTOUR LINE
	EDGE OF PAVEMENT
	OVERHEAD WIRE
	CHAIN LINK FENCE
	EXISTING TREE LINE
	IRON ROD FOUND
	PROPERTY CORNER



PLANS PREPARED FOR:

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

PROJECT INFORMATION:

LILLINGTON
SITE # HP-1166
SCO ID # 10-08820-01C

1005 EDWARDS BROTHERS DRIVE
LILLINGTON, NC 27546
(HARNETT 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:

April 16, 2012

REV	DATE	ISSUED FOR:
2	04-16-12	ZONING
1	09-26-11	ZONING
0	09-14-11	PRELIMINARY ZONING

DRAWN BY: TRG CHECKED BY: JBG

SHEET TITLE:

SITE PLAN

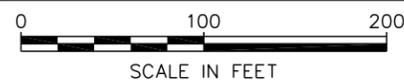
SHEET NUMBER: **Z-1**

REVISION: **2**

TEP #: 111273

SITE PLAN

SCALE: 1" = 100'

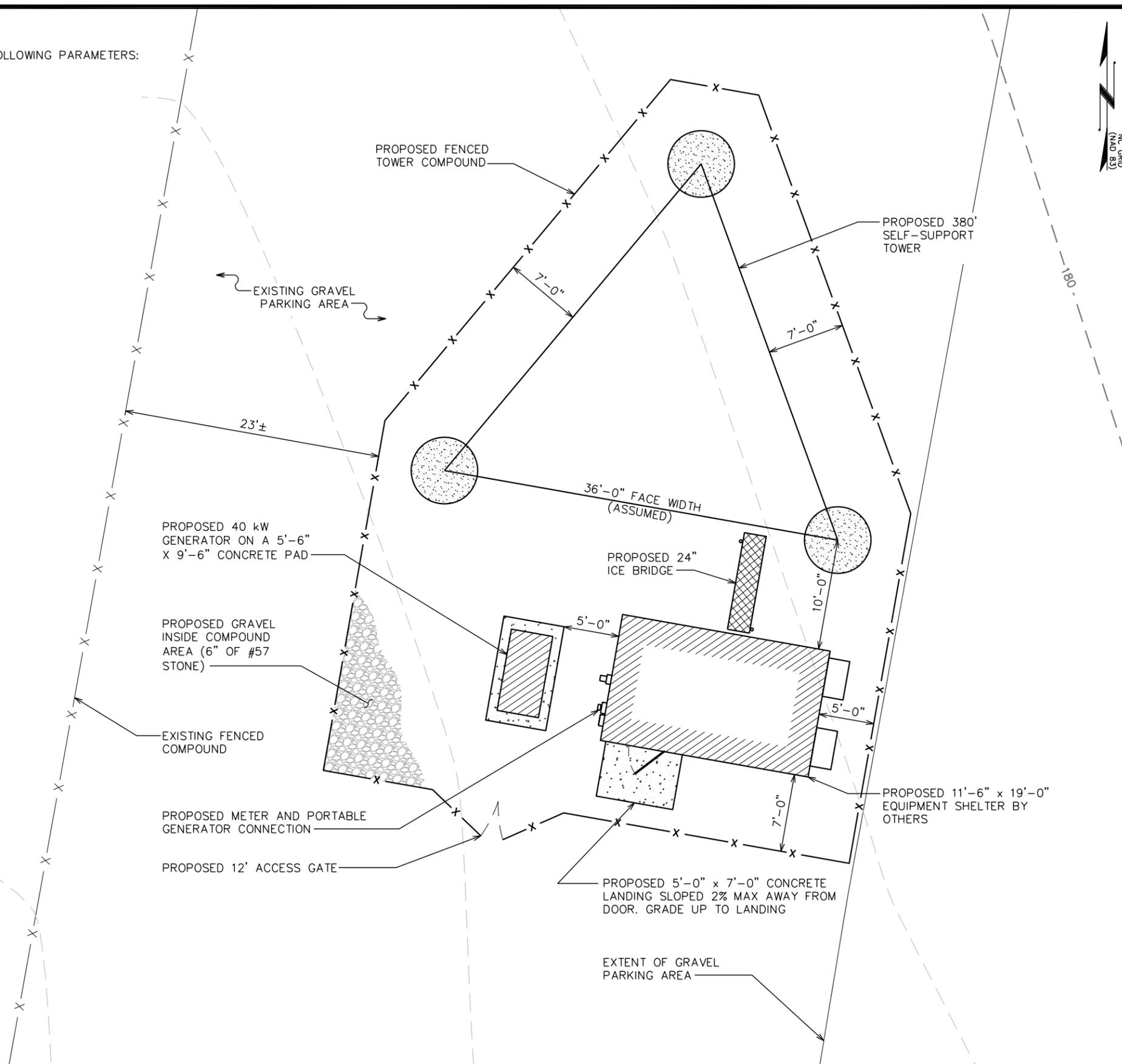


ANSI/TIA-222-G DESIGN NOTE:

THE PROPOSED TOWER SHALL BE DESIGNED PER THE FOLLOWING PARAMETERS:

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

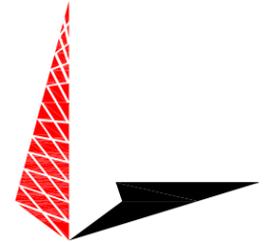
** DESIGN WIND SPEED:
 100mph(3sec GUST), 85mph(FATEST MILE)



PLANS PREPARED FOR:

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

PROJECT INFORMATION:
LILLINGTON
SITE # HP-1166
SCO ID # 10-08820-01C
 1005 EDWARDS BROTHERS DRIVE
 LILLINGTON, NC 27546
 (HARNETT 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:

 April 16, 2012

REV	DATE	ISSUED FOR:
2	04-16-12	ZONING
1	09-26-11	ZONING
0	09-14-11	PRELIMINARY ZONING

DRAWN BY: TRG CHECKED BY: JBG

SHEET TITLE:
COMPOUND DETAIL

SHEET NUMBER: **Z-2** REVISION: **2**
 TEP #: 111273

COMPOUND DETAIL

SCALE: 1" = 10'

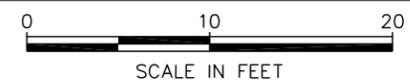


Figure 4: Aerial Photograph

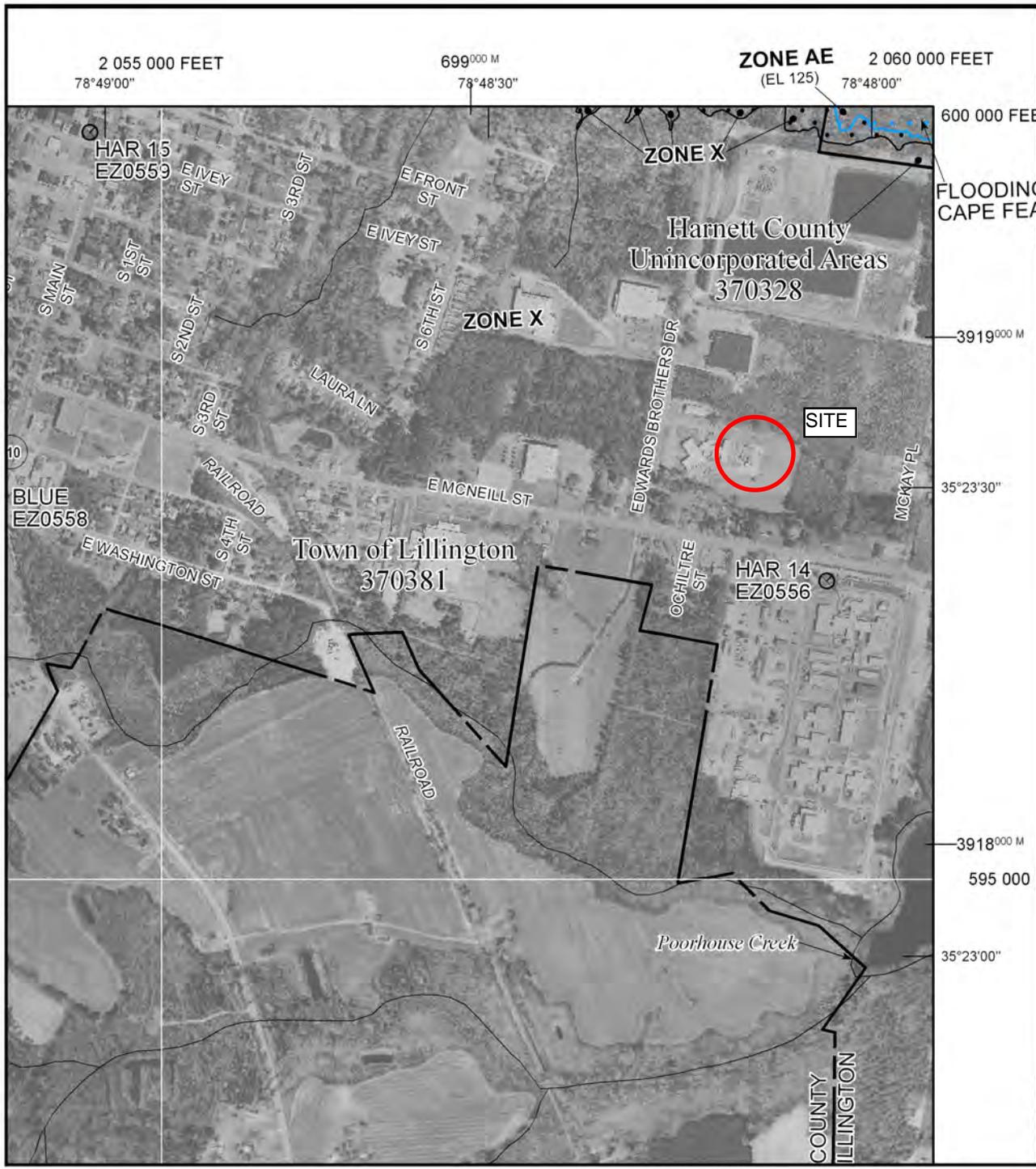


Google earth

feet
meters



Figure 5: FEMA Flood Insurance Rate Map



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

500 1,000 1,500 2,000
 FEET

PANEL 0548J

FIRM
FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 0548
 (SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	CID No.	PANEL	SUFFIX
HARNETT COUNTY	370328	0548	J
LILLINGTON, TOWN OF	370381	0548	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
OCTOBER 3, 2006 3720054800J




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

EFFECTS FROM RIVER

LEGEND



SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

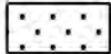
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevation determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Areas to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.



FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.



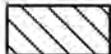
OTHER FLOOD AREAS

- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

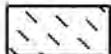


OTHER AREAS

- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.



COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS



OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary



GRID NORTH

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

500 1,000 1,500 2,000
FEET

PANEL 0548J

FIRM

**FLOOD INSURANCE RATE MAP
NORTH CAROLINA**

PANEL 0548

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

CONTAINS:

<u>COMMUNITY</u>	<u>CID No.</u>	<u>PANEL</u>	<u>SUFFIX</u>
HARNETT COUNTY	370328	0548	J
LILLINGTON TOWN OF	370381	0548	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**
OCTOBER 3, 2006 **3720054800J**



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

Lillington

Aug 15, 2011



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



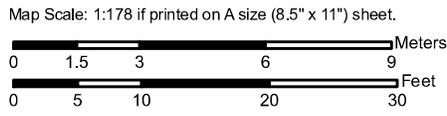
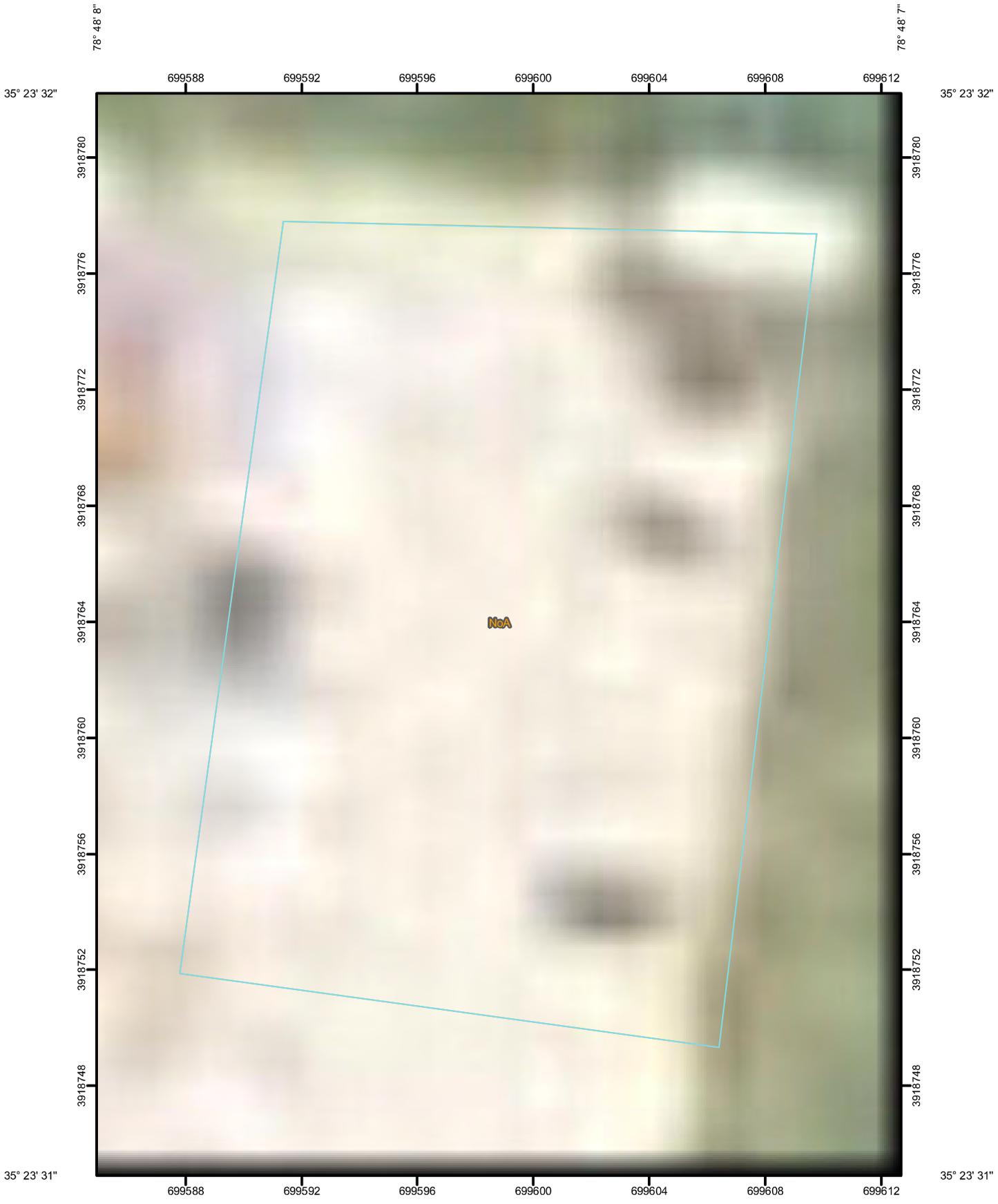
Google earth

feet
meters



Figure 8: Soils Map

Soil Map—Harnett County, North Carolina
(Lillington (HP-1166))



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: 1:178 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: Harnett County, North Carolina
Survey Area Data: Version 8, Jul 5, 2012

Date(s) aerial images were photographed: 6/22/2006

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

Harnett County, North Carolina (NC085)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
NoA	Norfolk loamy sand, 0 to 2 percent slopes	0.1	100.0%
Totals for Area of Interest		0.1	100.0%

Appendices

Appendix A: Site Photographs



1. View north along Edwards Brothers Drive.



2. View of facing southwest along the existing paved access drive.



3. View facing northeast along the existing paved access drive.



4. View facing north from the existing access drive towards the proposed tower compound.



5. View facing north from the proposed tower centerline.



6. View facing south from the proposed tower centerline.



7. View facing east from the proposed tower centerline.



8. View facing west from the proposed tower centerline.

Appendix B: FCC NEPA Land Use Compliance Checklist



**NEPA COMPLIANCE CHECKLIST
PROPOSED 380-FOOT SELF SUPPORT
COMMUNICATIONS TOWER**

**SITE NAME: LILLINGTON
SITE NUMBER: HP-1166**

**1005 EDWARDS BROTHERS DRIVE
LILLINGTON, NC
(HARNETT COUNTY)**

**LATITUDE: N 35° 23' 32.220" ±
LONGITUDE: W 78° 48' 8.179" ±**

**DATE INSPECTED: APRIL 23, 2012
DATE NEPA ISSUED: JULY 9, 2012**



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

Of



**T O W E R
E N G I N E E R I N G
P R O F E S S I O N A L S**



**Project Site Specific
NEPA Compliance Checklist
North Carolina Highway Patrol Site
Lillington
HP-1166**

July 9, 2012



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-1166
Lillington Site
1005 Edwards Brothers Drive
Lillington, Harnett County, NC

Dear Ms. Luter:

Tower Engineering Professionals, Inc. (TEP) conducted a FCC Compliance NEPA Checklist (NEPA) for the proposed lease area associated with the proposed **380-ft (395-ft with appurtenances) AGL Self Support Communications Tower** for the site designated as **Lillington (NC Highway Patrol Site # HP-1166)**, 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 **Harnett County, NC**. The parent property and the adjacent properties were occupied by a mix of municipal, low density residential and undeveloped forested land uses at the time of the site inspection.

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

TEP, with the assistance of Archeological Consultants of the Carolinas, Inc. conducted the Section 106 of the NHPA portion of the NEPA checklist and the Native American consultation. TEP filed the proposed **Lillington** site with the FCC Tower Construction Notification System (TCNS) on **5/10/12** and was assigned TCNS # **85594**. TEP has received correspondence from all of the applicable tribes with known ancestral and/or aboriginal rights to **Harnett 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 **Lillington Site**.

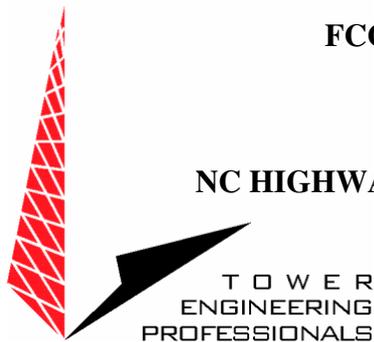
Sincerely

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

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

Section I – NEPA Checklist

FCC NEPA COMPLIANCE AUDIT CHECKLIST



LILLINGTON SITE 380-FT SELF SUPPORT TOWER NC HIGHWAY PATROL – DEPARTMENT OF CRIME CONTROL LILLINGTON, NC HARNETT COUNTY

- | | | |
|----|--|-----------|
| 1. | Is the proposed facility located in an officially designated wilderness area? | <u>No</u> |
| 2. | Is the proposed facility located in an officially designated wildlife preserve? | <u>No</u> |
| 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)? | <u>No</u> |
| 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? | <u>No</u> |
| 5. | Will the proposed facility affect Indian religious sites? | <u>No</u> |
| 6. | Is the proposed facility located in a floodplain? | <u>No</u> |
| 7. | Will construction of the proposed facility involve significant change in surface features (e.g., wetland fill, deforestation or water diversion)? | <u>No</u> |
| 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)? | <u>No</u> |

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? | <u>No</u> |
| 9B. | Will the proposed ROOFTOP facility equal or exceed total power (of all channels) of 2000 watts ERP (3280 Watts EIRP)? | <u>N/A</u> |

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. Print Name: George T. Swearingen, III	Date: July 9, 2012 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.
- 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-Raleigh 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-Raleigh 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 Harnett County Historical Society Foundation, Harnett County Historical Society, Lillington Planning and Inspections Department, and the North Carolina Department of Cultural Resources – State Historic Preservation Office (NCDCCR-SHPO), the construction of the proposed tower will “Not Affect” properties listed on or eligible for listing on the National Register of Historic Places within the 0.75-mile Area of Potential Effect (APE).
5. Indian Religious Sites – Based upon a review of available information obtained from the North Carolina Department of Cultural Resources, the Native American Consultative Database, the Bureau of Indian Affairs-Indian Reservations in the Continental United States, dated 5/96, and the responses to the FCC-Tower Construction Notification ID #85594, 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. 3720054800J, dated October 3, 2006), the proposed tower site is not located within a special flood hazard area as determined by FEMA.
7. Surface Features – Based on our on-site investigation and a review of the National Wetland Inventory map of the area, the proposed tower is not anticipated to result in a significant change or modification to surface features such as fill in jurisdictional wetlands, deforestation, or water diversion.
8. Zoning/High Intensity White Lights – The proposed tower is 380-feet (395-ft with appurtenances) AGL and the use of high intensity white lights should not be necessary. The proposed tower is anticipated to be equipped with a dual mode lighting system that utilizes medium intensity lights.
- 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

Notification Date:

File Number:

General Information

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

Applicant Information

3) FCC Registration Number (FRN): 0001913888
4) Name: North Carolina Highway Patrol - Department of Crime Control and Public Safety

Contact Name

5) First Name: Tanya	6) MI:	7) Last Name: Luter	8) Suffix:
9) Title: VIPER Project Manager			

Contact Information

10) P.O. Box:	And /Or	11) Street Address: 3318 Garner Road, Building Two	
12) City: Raleigh		13) State: NC	14) Zip Code: 27610
15) Telephone Number: (919)662-4440		16) Fax Number: (919)662-4444	
17) E-mail Address: tluter@NCSHP.org			

Consultant Information

18) FCC Registration Number (FRN): 0020869228
19) Name: Tower Engineering Professionals, Inc. in cooperation with Environmental Services, Inc.

Principal Investigator

20) First Name: Terri	21) MI:	22) Last Name: Russ	23) Suffix:
24) Title: RPA, Senior Scientist III			

Principal Investigator Contact Information

25) P.O. Box:	And /Or	26) Street Address: 524 S. New Hope Road	
27) City: Raleigh		28) State: NC	29) Zip Code: 27610
30) Telephone Number: (919)212-1760		31) Fax Number: (919)212-1708	
32) E-mail Address: truss@ESINC.CC			

Professional Qualification

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

Additional Staff

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

If "YES," complete the following:

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

Site Information

Tower Construction Notification System

1) TCNS Notification Number: **85594**

Site Information

2) Site Name: **Lillington (HP-1166)**

3) Site Address: **1005 Edwards Brothers Drive**

4) City: **Lillington**

5) State: **NC**

6) Zip Code: **27546**

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

8) Nearest Crossroads: **Edwards Brothers Drive/McNeill Street**

9) NAD 83 Latitude (DD-MM-SS.S): **35-23-32.2**

() N or () S

10) NAD 83 Longitude (DD-MM-SS.S): **078-48-08.2**

() E or () W

Tower Information

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

12) Tower Type (Select One):

() Guyed lattice tower

() Self-supporting lattice

() Monopole

() Other (Describe):

Project Status

13) Current Project Status (Select One):

() Construction has not yet commenced

() Construction has commenced, but is not completed

Construction commenced on: _____

() Construction has been completed

Construction commenced on: _____

Construction completed on: _____

Determination of Effect

14) Direct Effects (Select One):

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

15) Visual Effects (Select One):

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

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Y</u> es () <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>85594</u>	Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribe/NHO Contacted Through TCNS

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

Contact Name

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

Dates & Response

10) Date Contacted <u>05/17/2012</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Cherokee Nation

Contact Name

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

Dates & Response

10) Date Contacted <u>05/16/2012</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>85594</u> Number of Tribes/NHOs: <u>5</u>	
2b) Tribes/NHOs contacted through an alternate system: Number of Tribes/NHOs: <u>0</u>	

Tribal/NHO Contacted Through TCNS

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

Contact Name

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

Dates & Response

10) Date Contacted <u>05/16/2012</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Shawnee Tribe

Contact Name

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

Dates & Response

10) Date Contacted <u>05/17/2012</u>	11) Date Replied <u>05/30/2012</u>
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
(<input checked="" type="checkbox"/>) Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>85594</u>	Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Tuscarora Nation

Contact Name

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

Dates & Response

10) Date Contacted <u>05/17/2012</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Other Tribes/NHOs Contacted

Tribe/NHO Information

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

Contact Name

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

Contact Information

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

Dates & Response

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

Historic Properties

Properties Identified

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

Historic Property

4) Property Name:
5) SHPO Site Number:

Property Address

6) Street Address:		
7) City:	8) State:	9) Zip Code:
10) County/Borough/Parish:		

Status & Eligibility

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

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

Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN):
2) Name: Town of Lillington - Planning and Inspections

Contact Name

3) First Name: Theresa	4) MI:	5) Last Name: Thompson	6) Suffix:
7) Title: Planning and Zoning Director			

Contact Information

8) P.O. Box: 296	And /Or	9) Street Address: 106 West Front Street	
10) City: Lillington		11) State: NC	12) Zip Code: 27546
13) Telephone Number: (910)893-2654		14) Fax Number:	
15) E-mail Address: unknown@unknown.com			
16) Preferred means of communication: <input type="checkbox"/> E-mail <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Both			

Dates & Response

17) Date Contacted 05/18/2012	18) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

Additional Information

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

Other Consulting Parties

Other Consulting Parties Contacted

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

Consulting Party

2) FCC Registration Number (FRN):
3) Name: Harnett County Historical Society Foundation

Contact Name

4) First Name: To Whom	5) MI:	6) Last Name: It May Concern	7) Suffix:
8) Title:			

Contact Information

9) P.O. Box: 247	And /Or	10) Street Address:		
11) City: Buies Creek		12) State: NC	13) Zip Code: 27506	
14) Telephone Number: (919)893-5228		15) Fax Number:		
16) E-mail Address: unknown@unknown.com				
17) Preferred means of communication: (<input type="checkbox"/>) E-mail (<input checked="" type="checkbox"/>) Letter (<input type="checkbox"/>) Both				

Dates & Response

18) Date Contacted 05/18/2012	19) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Additional Information

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

Other Consulting Parties

Other Consulting Parties Contacted

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

Consulting Party

2) FCC Registration Number (FRN):
3) Name: Harnett County Historical Society

Contact Name

4) First Name: Catherine	5) MI: C	6) Last Name: King	7) Suffix:
8) Title:			

Contact Information

9) P.O. Box: 249	And /Or	10) Street Address:
11) City: Buies Creek	12) State: NC	13) Zip Code: 27506
14) Telephone Number: (111)111-1111	15) Fax Number:	
16) E-mail Address: unknown@unknown.com		
17) Preferred means of communication: <input type="checkbox"/> E-mail <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Both		

Dates & Response

18) Date Contacted 05/18/2012	19) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

Additional Information

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

Designation of SHPO/THPO

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

SHPO/THPO

Name: NC Historic Preservation Office (Deputy SHPO)

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

SHPO/THPO Name: _____

SHPO/THPO Name: _____

SHPO/THPO Name: _____

Certification

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

Party Authorized to Sign

First Name: <u>Andrew</u>	MI: <u>B</u>	Last Name: <u>Blake</u>	Suffix:
Signature: <u>Andrew B. Blake</u>			Date: <u>6/21/12</u>

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

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

Attachments :

Type	Description	Date Entered
Resumes/Vitae	Terri Russ Resume	06/21/2012
Maps	Aerial Photograph	06/21/2012
Area of Potential Effects	Topographic Map with 0.75 mile APE	06/21/2012
Tribal/NHO Involvement	FCC ASR confirmation	06/21/2012
Tribal/NHO Involvement	FCC Initial Email	06/21/2012
Tribal/NHO Involvement	FCC Tribe List	06/21/2012
Tribal/NHO Involvement	Sample Tribe Letter Packet	06/21/2012
Historic Properties for Visual Effects	NC SHPO Map	06/21/2012
Historic Properties for Direct Effects	NC SHPO Concurrence	06/21/2012
Historic Properties for Direct Effects	Lillington Disturbance Letter	06/21/2012
Photographs	Site Photographs	06/21/2012
Additional Site Information	Lillington Zoning Drawings	06/21/2012
Other	Additional Consulting parties letter	06/21/2012

ENVIRONMENTAL SERVICES, INC.
524 S. New Hope Road
Raleigh, NC 27610
Phone 919-212-1760 * Fax 919-212-1707

www.environmentalservicesinc.com

14 May 2012

Andrew Blake
Tower Engineering Professionals, Inc.
3703 Junction Blvd.
Raleigh, NC 27603

Re: Lillington Telecommunications Facility
Harnett County, North Carolina
Review of Archaeological Potential

Dear Mr. Blake:

Environmental Services, Inc. (ESI), reviewed the location of the proposed telecommunications facility located in Lillington, Harnett County, North Carolina, for Tower Engineering Professionals, Inc. (TEP) in order to assess the level of prior disturbance at the property and to determine if the location had the potential to contain significant archaeological deposits (see attached USGS 7.5-minute quadrangle).

The proposed project area is located off of Edwards Brothers Drive within a previously disturbed parking area adjacent to the existing Harnett County Emergency Services building. As the depth of previous disturbance exceeds the proposed construction depth by at least 2 feet, the location of the proposed telecommunications facility has no potential to contain significant cultural resources.

Based on this information, it is ESI's professional opinion that the location of the proposed Lillington telecommunications facility has been disturbed by previous grading and earth moving activities associated with the construction of the Harnett County Emergency Services facilities, and that the location has no potential to contain significant, intact archaeological sites. As such, it is ESI's professional opinion that no archaeological survey of the location is necessary.

If you have any questions or comments, please feel free to contact me at (919) 212-1760.

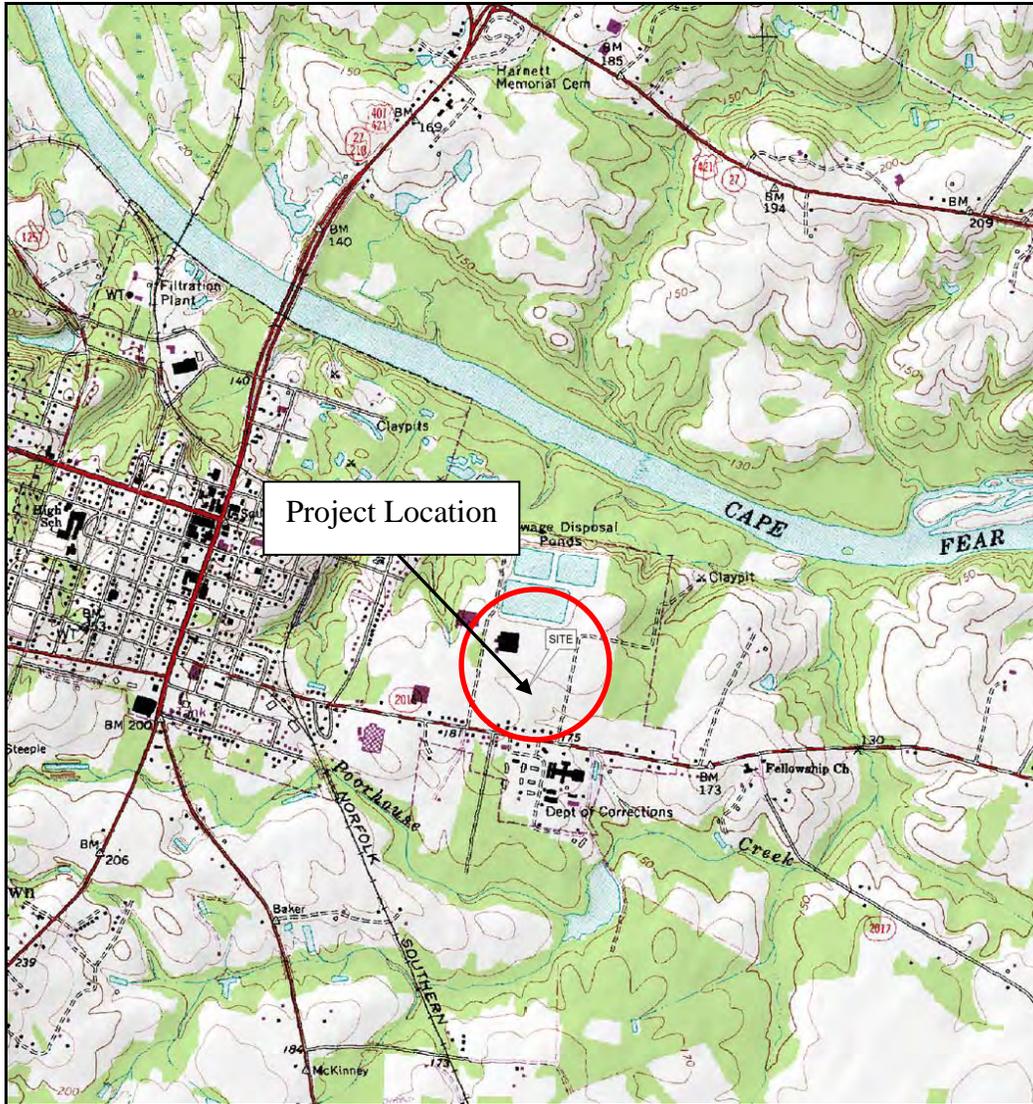
Sincerely,

ENVIRONMENTAL SERVICES, INC.

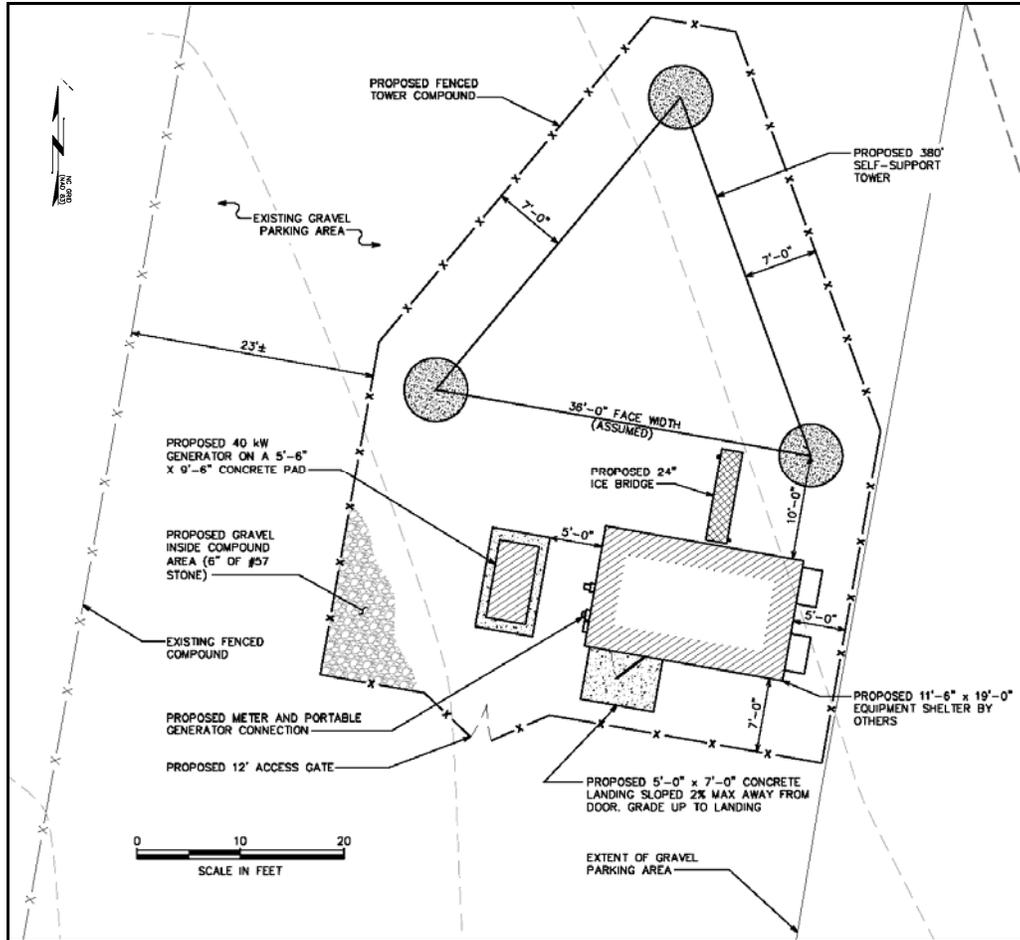


Terri Russ, RPA
Senior Archaeologist

Encl.



Project Location
Lillington 7.5-minute USGS Quadrangle Map



Proposed tower location.



View along existing access drive, facing Northeast.



View of proposed tower location, facing North.



View facing West from the proposed tower centerline.



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

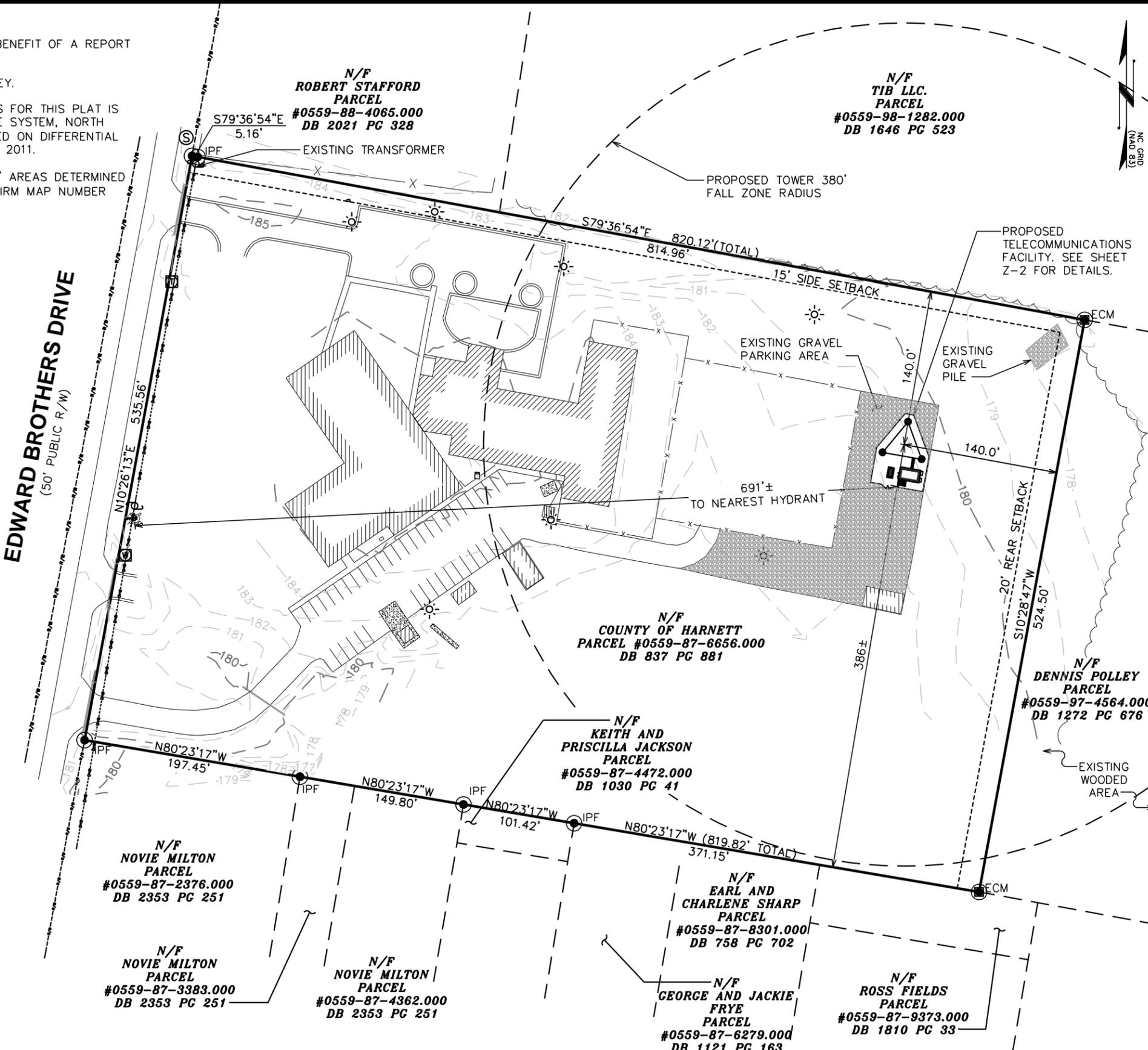
- 2008 Sandy Point: A Changing Historical Landscape. Poster Presented at the 65th Annual Meeting of the Southeastern Archaeological Conference, Charlotte, North Carolina.
- 2006 Review of Grave Intentions: A Comprehensive Guide to Preserving Historic Cemeteries in Georgia. Christine Van Voorhies, Georgia 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.

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 AUGUST 23, 2011.
4. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X," AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN (FEMA/FIRM MAP NUMBER 3720054800J).
6. SUBJECT PIN: 0559-87-6656.000
7. PROPERTY OWNER: COUNTY OF HARNETT

EDWARD BROTHERS DRIVE
(50' PUBLIC R/W)

LEGEND	
	WATER VALVE
	FIRE HYDRANT
	EXIST. PROPERTY LINE
	ADJ. PROPERTY LINE
	EXIST. UTILITY POLE
	EXIST. TELCO PEDESTAL
	EXIST. MANHOLE COVER
	EXIST. LIGHT POLE
	EXIST. CONTOUR LINE
	EDGE OF PAVEMENT
	OVERHEAD WIRE
	CHAIN LINK FENCE
	EXISTING TREE LINE
	IRON ROD FOUND
	PROPERTY CORNER



PLANS PREPARED FOR:

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

PROJECT INFORMATION:

LILLINGTON
SITE # HP-1166
SCO ID # 10-08820-01C

1005 EDWARDS BROTHERS DRIVE
LILLINGTON, NC 27546
(HARNETT 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:

SEAL
032017
ENGINEER
JOHN B. GOINS
March 08, 2012

REV	DATE	ISSUED FOR:
2	03-08-12	ZONING
1	09-26-11	ZONING
0	09-14-11	PRELIMINARY ZONING

DRAWN BY: TRG CHECKED BY: JBG

SHEET TITLE:

SITE PLAN

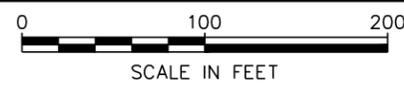
SHEET NUMBER: **Z-1**

REVISION: **2**

TEP #: 111273

SITE PLAN

SCALE: 1" = 100'

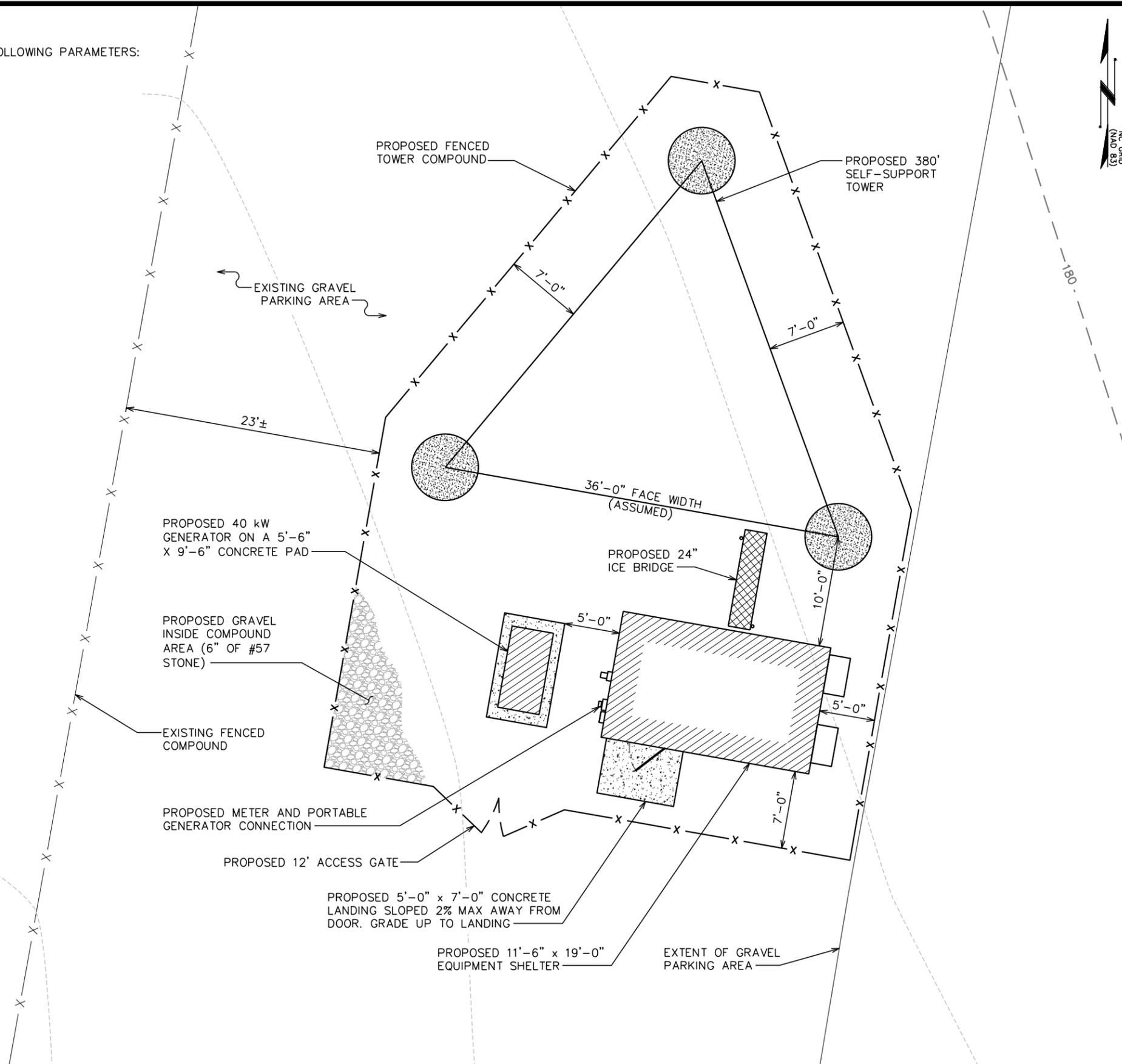


ANSI/TIA-222-G DESIGN NOTE:

THE PROPOSED TOWER SHALL BE DESIGNED PER THE FOLLOWING PARAMETERS:

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

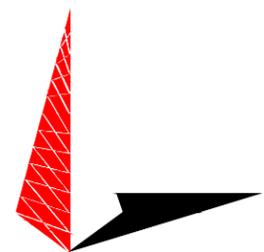
** DESIGN WIND SPEED:
 100mph(3sec GUST), 85mph(FATEST MILE)



PLANS PREPARED FOR:

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

PROJECT INFORMATION:
LILLINGTON
SITE # HP-1166
SCO ID # 10-08820-01C
 1005 EDWARDS BROTHERS DRIVE
 LILLINGTON, NC 27546
 (HARNETT 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:

 March 08, 2012

REV	DATE	ISSUED FOR:
2	03-08-12	ZONING
1	09-26-11	ZONING
0	09-14-11	PRELIMINARY ZONING

DRAWN BY: TRG | CHECKED BY: JBG

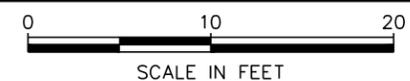
SHEET TITLE:
**COMPOUND
 DETAIL**

SHEET NUMBER:
Z-2

REVISION:
2
 TEP #: 111273

COMPOUND DETAIL

SCALE: 1" = 10'





1. View north along Edwards Brothers Drive.



2. View of facing southwest along the existing paved access drive.



3. View facing northeast along the existing paved access drive.



4. View facing north from the existing access drive towards the proposed tower compound.



5. View facing north from the proposed tower centerline.



6. View facing south from the proposed tower centerline.

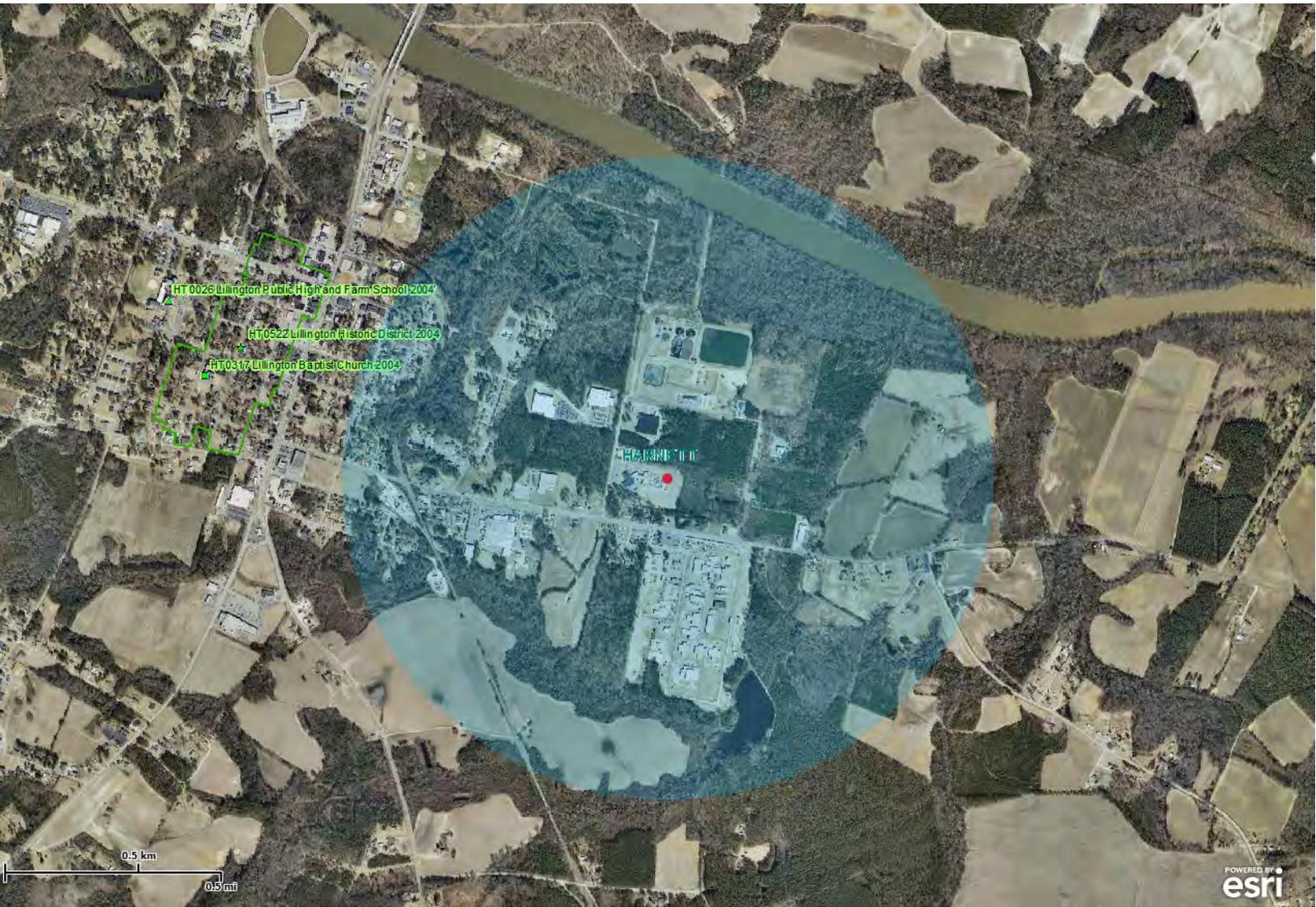


7. View facing east from the proposed tower centerline.



8. View facing west from the proposed tower centerline.

Lillington





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 05/10/2012. Your Notification ID number is **85594**. Please make a note of this Notification ID — print out this page for your records. A confirmation of this submitted notification will also be emailed to the email address specified in your notification.

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

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

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

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

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

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

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

Andrew Blake

From: towernotifyinfo@fcc.gov
Sent: Thursday, May 10, 2012 2:24 PM
To: Andrew Blake
Subject: Proposed Tower Structure Info - Email ID #3025888

Dear Andrew B Blake,

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

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

Notification Received: 05/10/2012

Notification ID: 85594

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

Consultant Name: Andrew B Blake

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: ablake@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 35 deg 23 min 32.2 sec N

Longitude: 78 deg 48 min 8.2 sec W

Location Description: 1005 Edwards Brothers Drive

City: Lillington

State: NORTH CAROLINA

County: HARNETT

Ground Elevation: 55.2 meters

Support Structure: 115.8 meters above ground level

Overall Structure: 120.4 meters above ground level

Overall Height AMSL: 175.6 meters above mean sea level

Andrew Blake

From: towernotifyinfo@fcc.gov
Sent: Friday, May 18, 2012 3:01 AM
To: Andrew Blake
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3026905

Dear Sir or Madam:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Project Name_____

Project Number_____

_____1. The name, complete address, phone number, fax number and e-mail address of the project manager.

_____2. The project location plotted on a topo map.

_____3. The project name, address and location; street or highway, city, county, state.

_____4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated.

_____5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.

_____6. A list of all recorded archaeological sites within one half (1/2) mile of the project area.

_____7. A list of all eligible and potentially eligible National Register of Historic Places sites within one half (1/2) mile of the proposed project area.

_____8. If there has been an archaeological survey done in the area, a copy of that report.

_____9. It is not necessary to send original color photos if you can provide high-resolution color copies.

_____10. A letter of concurrence from the appropriate State Historic Preservation Office.

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

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

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

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

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

None

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

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

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

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

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

Notification Received: 05/10/2012

Notification ID: 85594

Tower Owner Individual or Entity Name: TEP for North Carolina Highway Patrol † Department of Crime Control and Public Safety

Consultant Name: Andrew B Blake

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: ablake@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 35 deg 23 min 32.2 sec N

Longitude: 78 deg 48 min 8.2 sec W

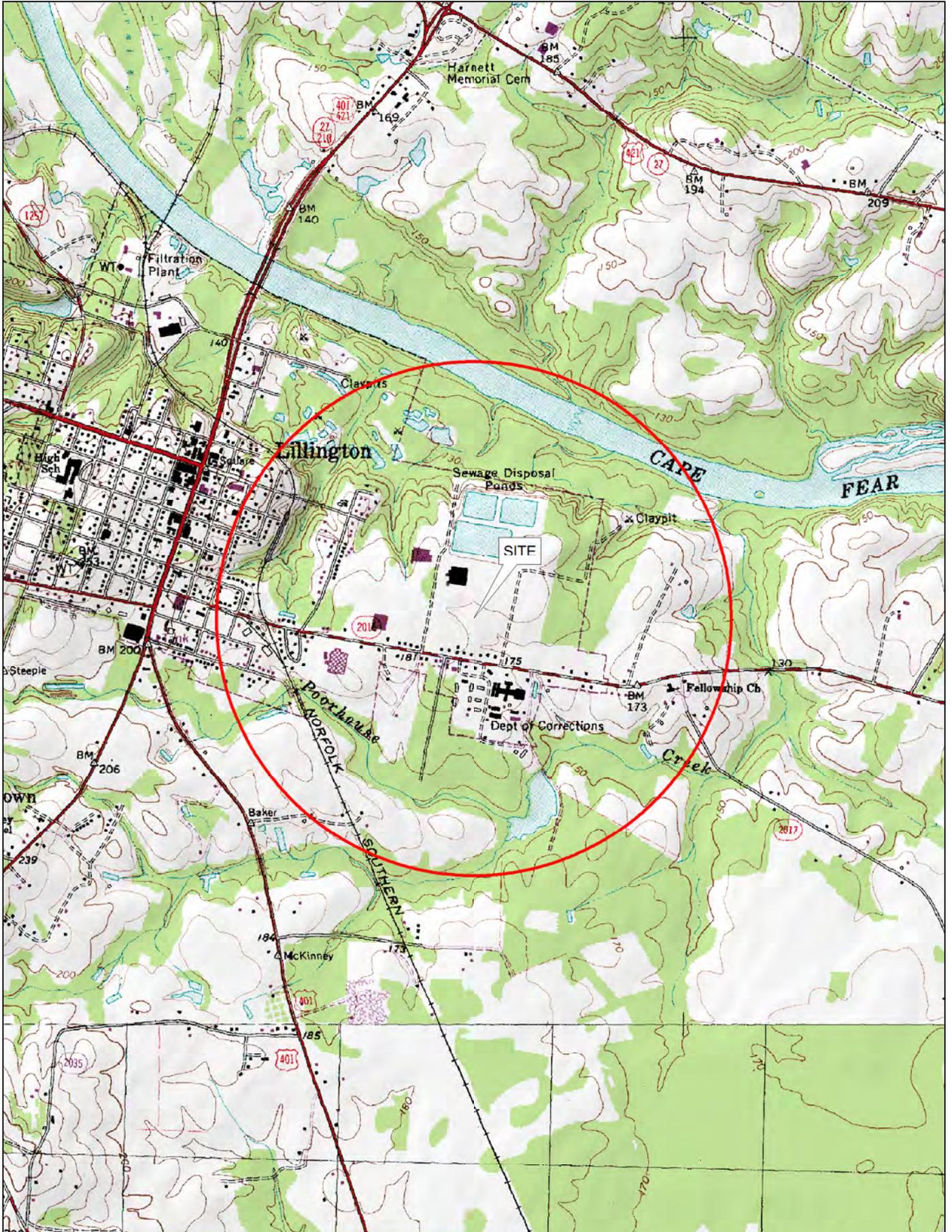
Location Description: 1005 Edwards Brothers Drive
City: Lillington
State: NORTH CAROLINA
County: HARNETT
Ground Elevation: 55.2 meters
Support Structure: 115.8 meters above ground level
Overall Structure: 120.4 meters above ground level
Overall Height AMSL: 175.6 meters above mean sea level

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

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

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

Thank you,
Federal Communications Commission



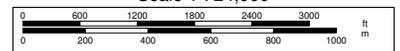
Data use subject to license.

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www.delorme.com



Scale 1 : 24,000



1" = 2,000.0 ft

Data Zoom 12-4

Section III – Informal Biological Assessment

COMMUNICATIONS TOWER SITE
EVALUATION FORM

1. Location (Provide maps if possible):
State: NC
County: Harnett
Latitude/Longitude/GPS Grid: N 35° 23' 32.2" W 78° 48' 8.2"
City and Highway Direction (2 miles W on Hwy 20, etc.): North of E. McNeill Street and east of Edwards Brothers Drive, east of Lillington, NC.
2. Elevation above mean sea level: ~181.2-ft.
3. Will the equipment be co-located on an existing FCC licensed tower or other existing structure (building, water tank, etc)? Y/N NO If yes, type of structure:
4. If yes, will the compound be expanded:
If yes, will the tower be extended:
5. If No, provide proposed specifications for the new tower:
Height: 380-ft (395-ft with appurtenances)
Construction Type (lattice, monopole, etc.): Self Support Lattice
Guyed-Wire? NO No. Bands: N/A Total No. Wires:N/A
Lightning (Security and Aviation): anticipated to be equipped with a dual mode medium intensity lighting system.
6. Area of tower footprint in acres or square feet: According to preliminary zoning drawings the area of construction is anticipated to be ~2,500-sq. ft.
7. Length and width of access road in feet:
Length: Access to the proposed emergency services facility will be provided by an existing asphalt drive and parking area which proceeds north-northeast from Edwards Brother Drive for approximately 620-ft before transitioning into a graveled parking area and continuing east approximately 145-ft, before turning north and continuing approximately 150-ft until reaching the proposed fenced tower compound.
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: flat to gently sloping gravel parking lot, adjacent to the Harnett County Emergency Services facility.
9. Meteorological conditions (incidence of fog, low ceilings, rain, etc.): sunny

10. Habitat types and land use on and adjacent to the site:

Habitat Type:	Acreage:	Percentage of Total:
gravel parking lot		100

Adjacent land use: Municipal, low density residential, and undeveloped forested.

11. Dominant vegetative species in each habitat type:

12. Average diameter breast height of dominant tree species in forested areas:

Tree species:
n/a

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: the proposed tower site is located within a gravel parking lot, adjacent to the Harnett County Emergency Services facility.

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: According to the NWI map, the nearest wetland is located ~2,400-ft to the southwest of the proposed tower location.

16. Distance to nearest telecommunications tower: unknown, none observed at the time of inspection.

17. Potential for co-location of antennas on existing towers or other structures: No

18. Have measures been incorporated for minimizing impacts to migratory birds? Y/N 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 Harnett County. It is the opinion of TEP that the proposed facility will not effect threatened or endangered species.

20. Additional information required: _____

U.S. Fish & Wildlife Service

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

Harnett County, North Carolina



Updated: 09-22-2010

Common Name	Scientific name	Federal Status	Record Status
Vertebrate:			
American eel	<i>Anguilla rostrata</i>	FSC	Current
Bachman's sparrow	<i>Aimophila aestivalis</i>	FSC	Current
Bald eagle	<i>Haliaeetus leucocephalus</i>	BGPA	Current
Cape Fear shiner	<i>Notropis mekistocholas</i>	E	Current
Carolina redbreast	<i>Moxostoma</i> sp. 2	FSC	Current
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC	Obscure
Red-cockaded woodpecker	<i>Picoides borealis</i>	E	Current
Sandhills chub	<i>Semotilus lumbee</i>	FSC	Current
Invertebrate:			
Atlantic pigtoe	<i>Fusconaia masoni</i>	FSC	Current
Septima's clubtail	<i>Gomphus septima</i>	FSC	Current
Yellow lampmussel	<i>Lampsilis cariosa</i>	FSC	Current
Vascular Plant:			
Bog oatgrass	<i>Danthonia epilis</i>	FSC	Current
Buttercup phacelia	<i>Phacelia covillei</i>	FSC	Current
Carolina bogmint	<i>Macbridea caroliniana</i>	FSC	Current
Carolina grass-of-parnassus	<i>Parnassia caroliniana</i>	FSC	Current
Georgia lead-plant	<i>Amorpha georgiana</i> var. <i>georgiana</i>	FSC	Current
Pickering's dawnflower	<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	FSC	Current

Ravine sedge	<i>Carex impressinervia</i>	FSC	Current
Rough-leaved loosestrife	<i>Lysimachia asperulaefolia</i>	E	Current
Roughleaf yellow-eyed grass	<i>Xyris scabrifolia</i>	FSC	Current
Sandhills bog lily	<i>Lilium pyrophilum</i>	FSC	Current
Sandhills milk-vetch	<i>Astragalus michauxii</i>	FSC	Current
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC	Current
Sun-facing coneflower	<i>Rudbeckia heliopsidis</i>	FSC	Historic
Well's sandhill pixie-moss	<i>Pyxidantha barbulata</i> var. <i>brevifolia</i>	FSC	Current

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.

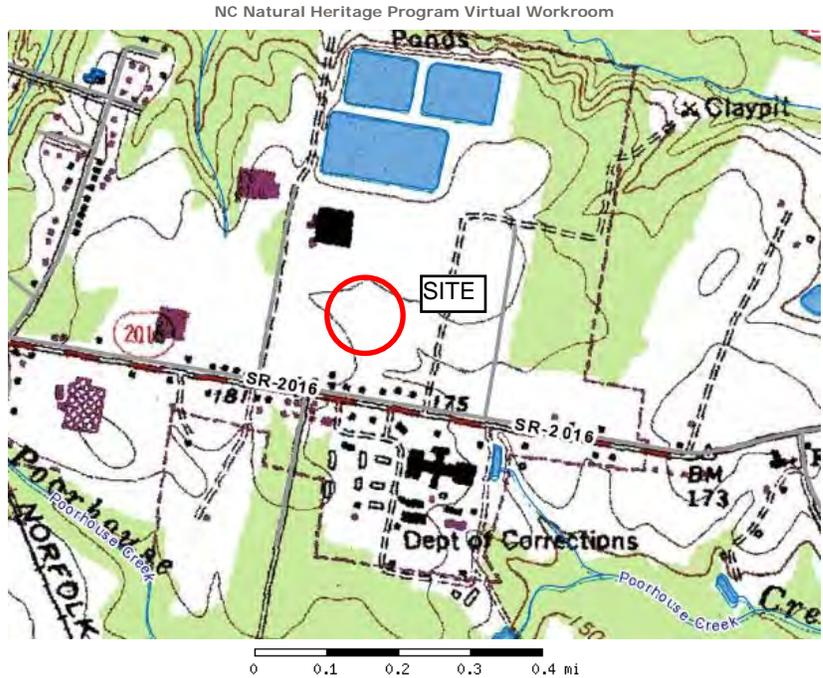
Historic - the species was last observed in the county more than 50 years ago.

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-Aug-25

■ 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

Significant Natural Heritage Area(s)**Found 1 Significant Natural Heritage Area(s) within 2 miles of the selected point**

Site Name	Significance	Acreage	Owner(s)
Upper Cape Fear River Aquatic Habitat	A	1885	PW

9 record(s) found within 2 miles of the 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
<i>Alasmidonta undulata</i>	30	Triangle Floater	1997-07-01	E	Medium	T		S2	G4	Most river systems in Piedmont and Coastal Plain
<i>Elliptio folliculata</i>	4	Pod Lance	1998	E	Medium	SC		S1	G2G3Q	Coastal Plain, mainly in Lake Waccamaw
<i>Elliptio roanokensis</i>	12	Roanoke Slabshell	2008-09-23	E	Medium	T		S1	G3	Most Atlantic drainages
<i>Fusconaia masoni</i>	11	Atlantic Pigtoe	1990-06-26	CD	Medium	E	FSC	S1	G2	Most Atlantic drainages, in lower Piedmont and upper Coastal Plain; also in Black River in lower Coastal Plain
<i>Lampsilis cariosa</i>	22	Yellow Lampmussel	2000-10-09	E	Medium	E	FSC	S1	G3G4	A number of river systems; mainly near the Fall Line
<i>Pleuridium sullivantii</i>	1	A Moss	1938-03-20	H	Low	SR-O		SH	G3G5	Sandy soil in open weedy habitats, openings in woods, disturbed roadsides
<i>Rudbeckia heliopsidis</i>	2	Sun-facing Coneflower	1994-08-19	X	Medium	E	FSC	S1	G2	Moist pine flatwoods and woodland borders
<i>Strophitus undulatus</i>	39	Creeper	1990-06-26	E	Medium	T		S2	G5	Most river basins in the Coastal Plain and Piedmont, plus French Broad basin in the mountains
<i>Villosa constricta</i>	63	Notched Rainbow	1996-07-10	E	Medium	SC		S3	G3	Most Atlantic drainages, mainly in lower Piedmont

Section IV - NEPA Supporting Documentation



Communications Tower Review Form

I. Applicant Information:

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

For North Carolina HPO
Use Only
CT 12-0925

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-1166 / TCNS#85594
 Address: 1005 Edwards Brothers Drive, Lillington 27546
 County: Granville, NC Hazlet CBS FCC Registration No. _____
 Tower type and height: 380-ft SST (395-ft with appurt.) Quad Name: Lillington

III. Identification of Historic Properties

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

Archaeology

of recorded sites in immediate area of tower: 0

Architecture

of recorded sites within 0.75-mile radius: 0

IV. Additional Information/Investigation Needed:

NO Survey
NO Testing of sites _____
 Recommended by/on: JSM 6/4/12
 (Office of State Archaeology)

_____ Photo Reconnaissance
 _____ Balloon Test
 Recommended by/on: OK
 (Survey & Planning Branch)

V. Recommendations/Final Determination:

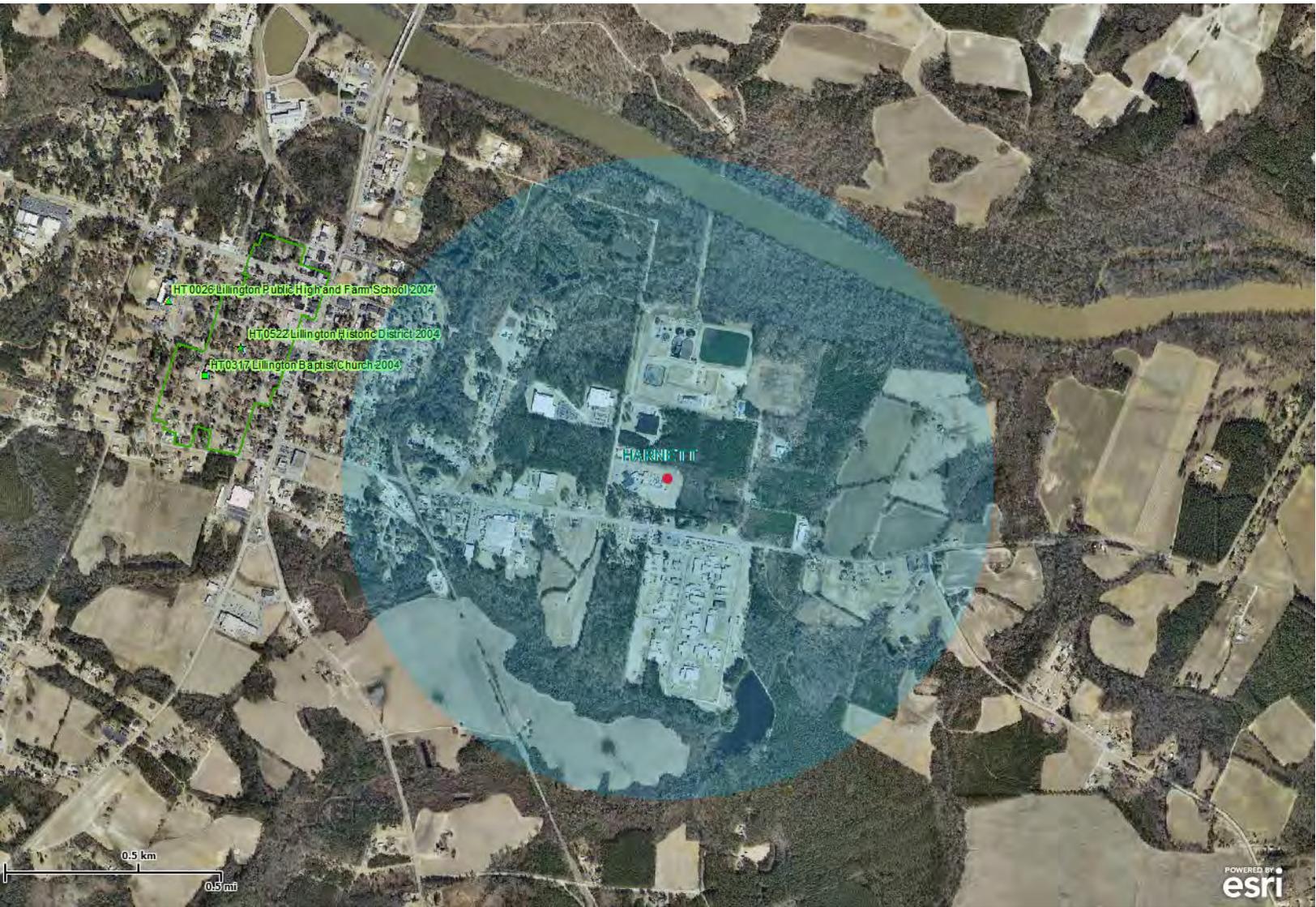
_____ Recommendations for additional work are shown above.
 The proposed communication tower will NOT affect historic properties in the area of potential effect.

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

6.5.12
 Date

cc: FCC

Lillington



STATE OF NORTH CAROLINA
COUNTY OF HARNETT

Public Notice

The North Carolina Department of Crime Control and Public Safety proposes the construction of a 380-ft (395-ft with appurtenances) AGL Self-support Emergency Services Tower located at 1005 Edwards Brothers Drive, north of a portion of E. McNeill Street, within the eastern city limits of Lillington, NC (Harnett County). Please submit any written comments by 6/15/12 regarding the potential effects that the proposed tower may have on **Historic Properties that are listed or eligible for inclusion in the National Register of Historic Places** to: Tower Engineering Professionals, Inc. (Attn: George Swearingen) 3703 Junction Blvd. Raleigh, NC 27603 Telephone: (919) 661-6351 Fax: (919) 661-6350
5/15, 2012

In the matter of:

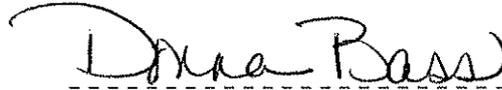
Ref ad #: 190907 EMERGENCY SERVICES TOW

I, Donna Bass, being duly sworn, say: that I am a
CLASSIFIED CLERK of INTERNET,
a newspaper published at Dunn, Harnett County, North Carolina,
and that the attached clipping is a copy of the Notice
Published said newspaper for 1 days, as follows:

05/15/2012

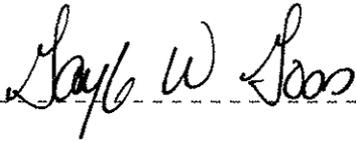
as required by law in the above entitled suit.

This newspaper is qualified for legal advertising
in accordance with G.S. 1-597 and 1-598.



Classified Clerk, THE DAILY RECORD

Subscribed and sworn to before me,
this 15th day of May, 2012



My commission expires 11-19-2014



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Raleigh Field Office
Post Office Box 33726
Raleigh, North Carolina 27636-3726

June 7, 2012

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

RE: Proposed 380ft Self-Support Communications Tower- Harnett County, NC
(Site: Lillington)

Dear Mr. Blake:

This letter is to inform you of the U.S. Fish and Wildlife Service's response pursuant to the Migratory Bird Treaty Act (16 U.S.C. 703 *et seq.*; MBTA) and the Endangered Species Act, as amended (16 U.S.C. 1531 *et seq.*; ESA), to your communication tower project.

With regard to your subject project, we offer the following remarks.

Migratory Bird Treaty Act

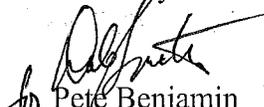
Based on the description of the tower design characteristics, we conclude that the design of the proposed communications tower does not minimize the potential hazard to avian species protected by the MBTA.

Endangered Species Act

Based on the information provided, we concur with your determination that the proposed activities are not likely to adversely affect federally-listed threatened and endangered species. We believe that the requirements of section 7(a)(2) of the ESA have been satisfied. We remind you that obligations under section 7 consultation 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 determined that may be affected by the identified action.

If you have any questions or comments, please contact this office as 919-856-4520.

Sincerely


Pete Benjamin
Field Supervisor

RECEIVED
JUN 09 2012

BY:



RECEIVED
MAY 31 2012
BY: _____

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

Beverly Eaves Perdue
Governor

Linda Pearsall
Director

Dee Freeman
Secretary

May 30, 2012

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

Subject: Proposed 380-ft Self Support Emergency Services Tower; 1005 Edwards Brothers Drive, Lillington, Harnett County
NC Highway Patrol VIPER Site: Lillington

Dear Mr. Blake:

The Natural Heritage Program has no record of rare species, significant natural communities, significant natural heritage areas, or conservation/managed areas at the project site nor within 0.45- mile of the project area. The Upper Cape Fear River Aquatic Habitat, with several rare aquatic species, lies about 0.45-mile to the north, but this site would not be impacted by construction of a tower.

You may wish to check the Natural Heritage Program database website at www.ncnhp.org for a listing of rare plants and animals and significant natural communities in the county and on the quad map. Our Program also has a new website that allows users to obtain information on element occurrences and significant natural heritage areas within two miles of a given location: http://nhpweb.enr.state.nc.us/public/virtual_workroom.phtml. The user name is "guest" and the password is your e-mail address (see instructions on log-in screen). You may want to click "Help" for more information.

Please do not hesitate to contact me at 919-707-8603 if you have questions or need further information.

Sincerely,

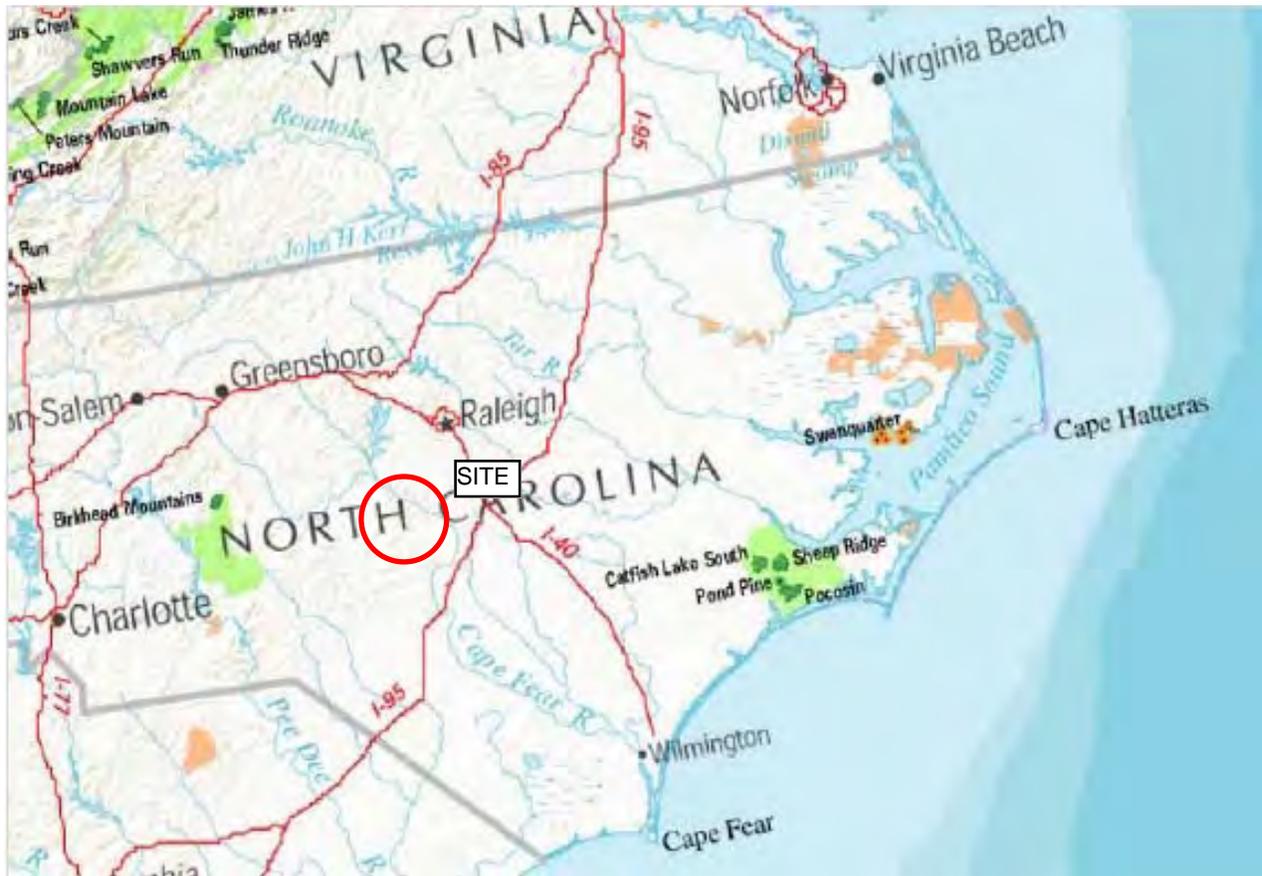
Harry E. LeGrand, Jr., Zoologist
Natural Heritage Program

Mailing address: 1601 Mail Service Center, Raleigh, North Carolina 27699-1601
Location: 217 W. Jones Street, Raleigh NC 27604
Phone: 919-707-8600 Webpage: www.oneNCSNaturally.org

An Equal Opportunity \ Affirmative Action Employer

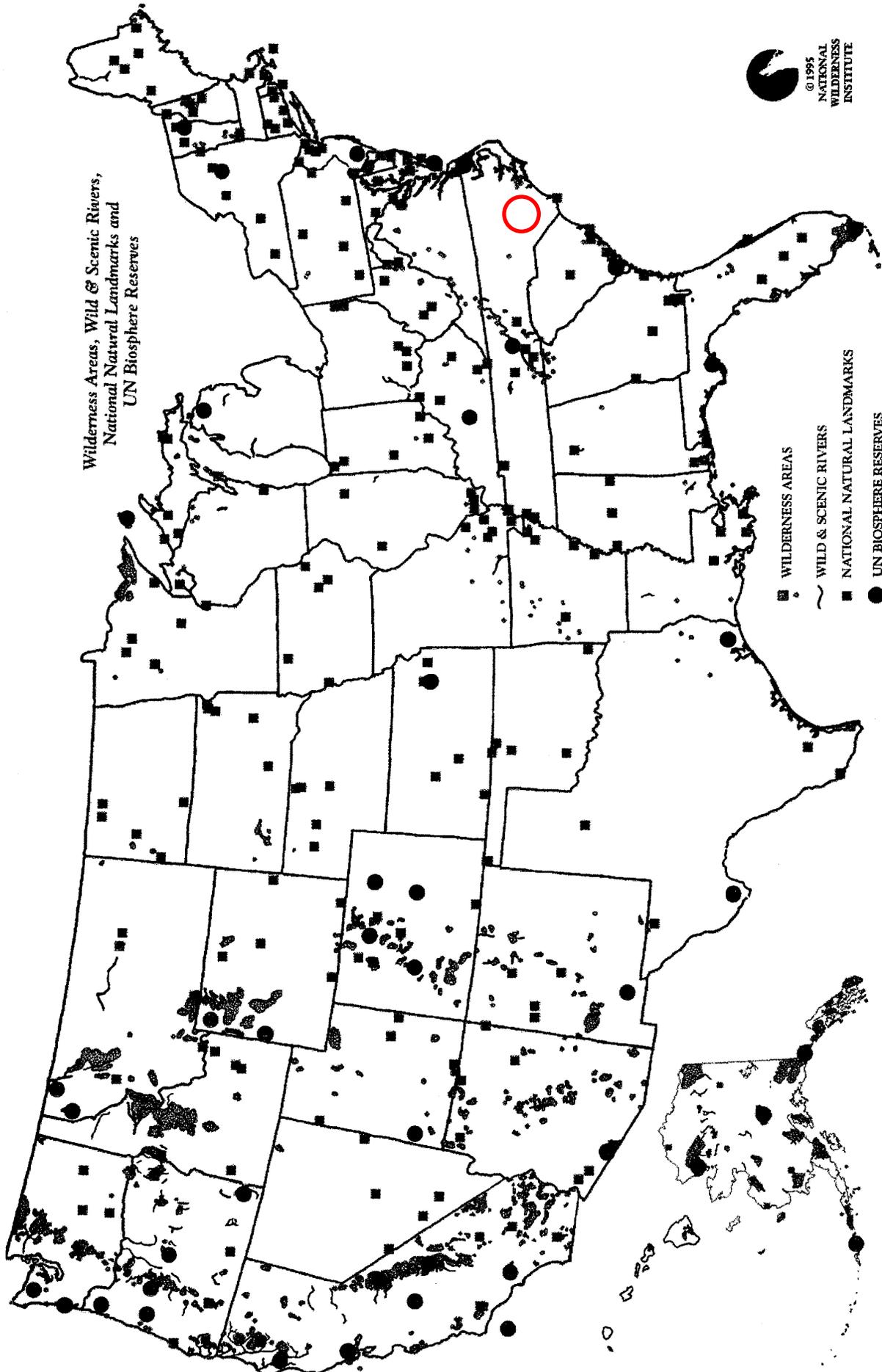
One
North Carolina
Naturally
Natural Resources Planning and Conservation

U.S. NATIONAL WILDERNESS PRESERVATION SYSTEM MAP



Map Legend

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



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

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

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

© 1995 by National Wilderness Institute.

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

NORTH CAROLINA NATIONAL NATURAL LANDMARKS MAP





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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.



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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 05/10/2012. Your Notification ID number is **85594**. Please make a note of this Notification ID — print out this page for your records. A confirmation of this submitted notification will also be emailed to the email address specified in your notification.

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

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

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

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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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Andrew Blake

From: towernotifyinfo@fcc.gov
Sent: Thursday, May 10, 2012 2:24 PM
To: Andrew Blake
Subject: Proposed Tower Structure Info - Email ID #3025888

Dear Andrew B Blake,

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

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

Notification Received: 05/10/2012

Notification ID: 85594

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

Consultant Name: Andrew B Blake

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: ablake@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 35 deg 23 min 32.2 sec N

Longitude: 78 deg 48 min 8.2 sec W

Location Description: 1005 Edwards Brothers Drive

City: Lillington

State: NORTH CAROLINA

County: HARNETT

Ground Elevation: 55.2 meters

Support Structure: 115.8 meters above ground level

Overall Structure: 120.4 meters above ground level

Overall Height AMSL: 175.6 meters above mean sea level

Andrew Blake

From: towernotifyinfo@fcc.gov
Sent: Friday, May 18, 2012 3:01 AM
To: Andrew Blake
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3026905

Dear Sir or Madam:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Project Name_____

Project Number_____

_____1. The name, complete address, phone number, fax number and e-mail address of the project manager.

_____2. The project location plotted on a topo map.

_____3. The project name, address and location; street or highway, city, county, state.

_____4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated.

_____5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.

_____6. A list of all recorded archaeological sites within one half (1/2) mile of the project area.

_____7. A list of all eligible and potentially eligible National Register of Historic Places sites within one half (1/2) mile of the proposed project area.

_____8. If there has been an archaeological survey done in the area, a copy of that report.

_____9. It is not necessary to send original color photos if you can provide high-resolution color copies.

_____10. A letter of concurrence from the appropriate State Historic Preservation Office.

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

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

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

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

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

None

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

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

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

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

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

Notification Received: 05/10/2012

Notification ID: 85594

Tower Owner Individual or Entity Name: TEP for North Carolina Highway Patrol † Department of Crime Control and Public Safety

Consultant Name: Andrew B Blake

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: ablake@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 35 deg 23 min 32.2 sec N

Longitude: 78 deg 48 min 8.2 sec W

Location Description: 1005 Edwards Brothers Drive
City: Lillington
State: NORTH CAROLINA
County: HARNETT
Ground Elevation: 55.2 meters
Support Structure: 115.8 meters above ground level
Overall Structure: 120.4 meters above ground level
Overall Height AMSL: 175.6 meters above mean sea level

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

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

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

Thank you,
Federal Communications Commission

Andrew Blake

From: Richard Allen <Richard-Allen@cherokee.org>
Sent: Friday, June 08, 2012 6:20 PM
To: Andrew Blake
Subject: RE: TEP Concurrence - Lillington- TCNS# 85594

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
NAGPRA/Section 106 Contact
Cherokee Nation
P.O. Box 948
Tahlequah, Oklahoma 74465
(918) 453-5466 (office)
(918) 822-2707 (cell)
(918) 458-5898 (fax)

From: Andrew Blake [<mailto:ablake@tepgroup.net>]
Sent: Friday, May 18, 2012 3:38 PM
To: Richard Allen; Richard Allen
Cc: Joseph Hollowell
Subject: TEP Concurrence - Lillington- TCNS# 85594

Dr. Allen,

I have attached information concerning the proposed NCHP site identified as Lillington (TCNS# 85594) for your review and concurrence. If you have any questions or need any additional information please do not hesitate to call.

Thank you,

Drew Blake

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



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

FACSIMILE COVER PAGE

To: Drew FROM: KIM JUMPER

FIRM/AGENCY: TEP DATE/TIME: 6/01/12

FAX NUMBER: 919-661-6350 NO. OF PAGES, INCLUDING COVER: 1

PHONE NUMBER: _____ MEMO: 85594

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.

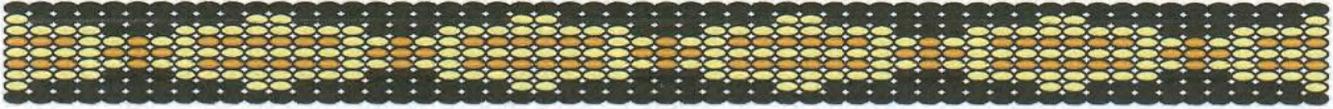
Finally, the Shawnee Tribe's Environmental and Natural Resources Department requests that cell tower sites, whenever remotely feasible, be restored to native vegetation. In all cases, habitat restoration can protect a variety of species, even in small project areas. The large number of cell tower sites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



June 7, 2012

Attention: Andrew Blake
Tower Engineering Professionals
3703 Junction Blvd.
Raleigh, NC 27603-5263

Re. THPO#	TCNS#	Project Description
2012-12-18	85594	Proposed 380ft Tower Lillington 1005 Edwards Brothers Drive Lillington, NC
2012-12-19	85195	Proposed 225ft Tower PDO Tower Old Wire Road West Columbia, SC

Dear Mr. Blake,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions please contact Caitlin Totherow at 803-328-2427 ext. 226, or e-mail caitlinh@ccppcrafts.com.

Sincerely,

Wenonah G. Haire
Tribal Historic Preservation Officer



National NAGPRA Online Databases



NACD Query Results

Full Data Report

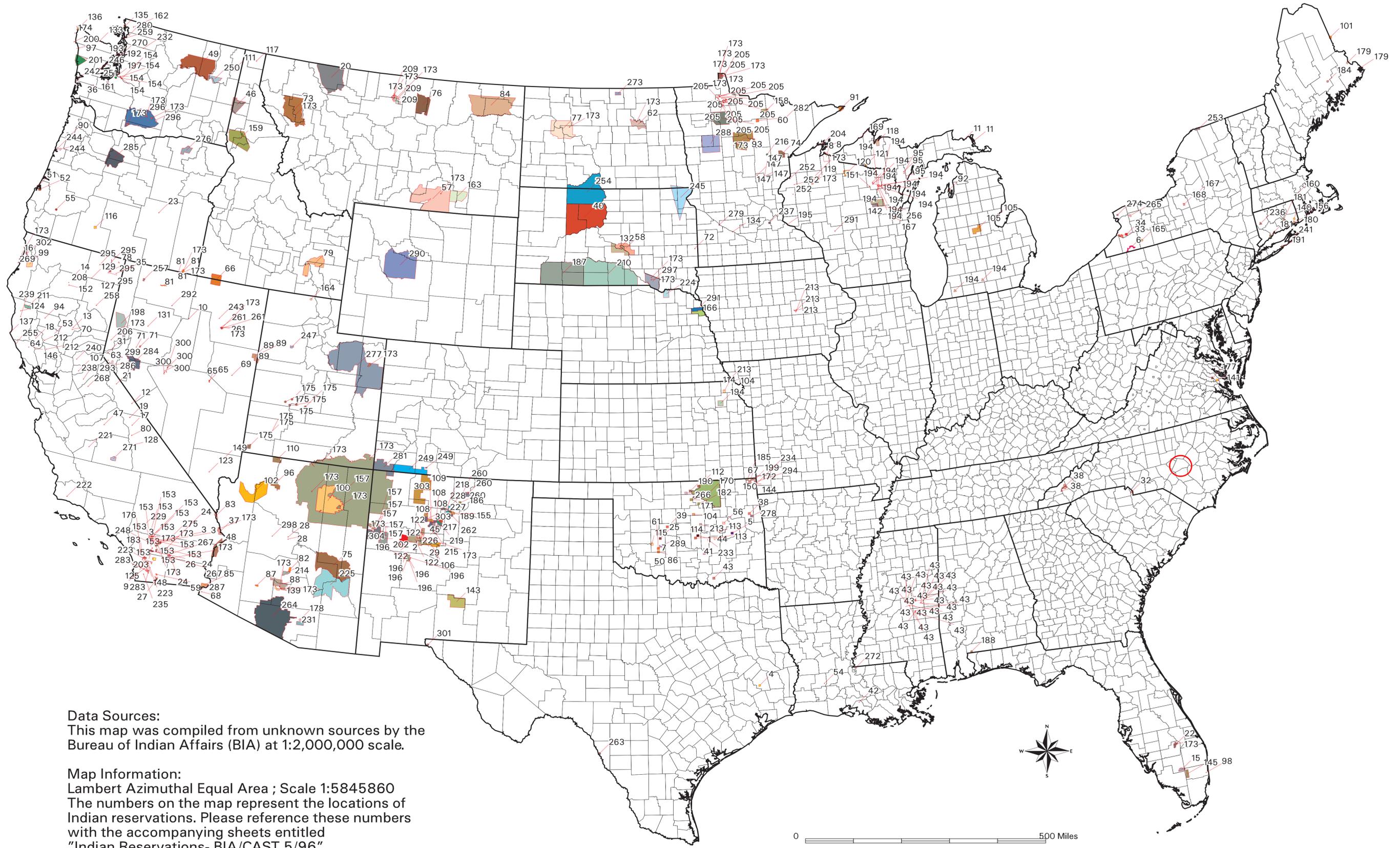
Query input:

State = North Carolina

County = Harnett

NO RECORDS FOUND MATCHING SEARCH CRITERIA

Indian Reservations in the Continental United States



Data Sources:
This map was compiled from unknown sources by the Bureau of Indian Affairs (BIA) at 1:2,000,000 scale.

Map Information:
Lambert Azimuthal Equal Area ; Scale 1:5845860
The numbers on the map represent the locations of Indian reservations. Please reference these numbers with the accompanying sheets entitled "Indian Reservations- BIA/CAST 5/96".



National NAGPRA



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[Full Size Map \(PDF\)](#)

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2. ACOMA	104. IOWA *	206. RENO-SPARKS
3. AGUA CALIENTE	105. ISABELLA	207. RINCON
4. ALABAMA-COUSHATTA	106. ISLETA	208. ROARING CREEK
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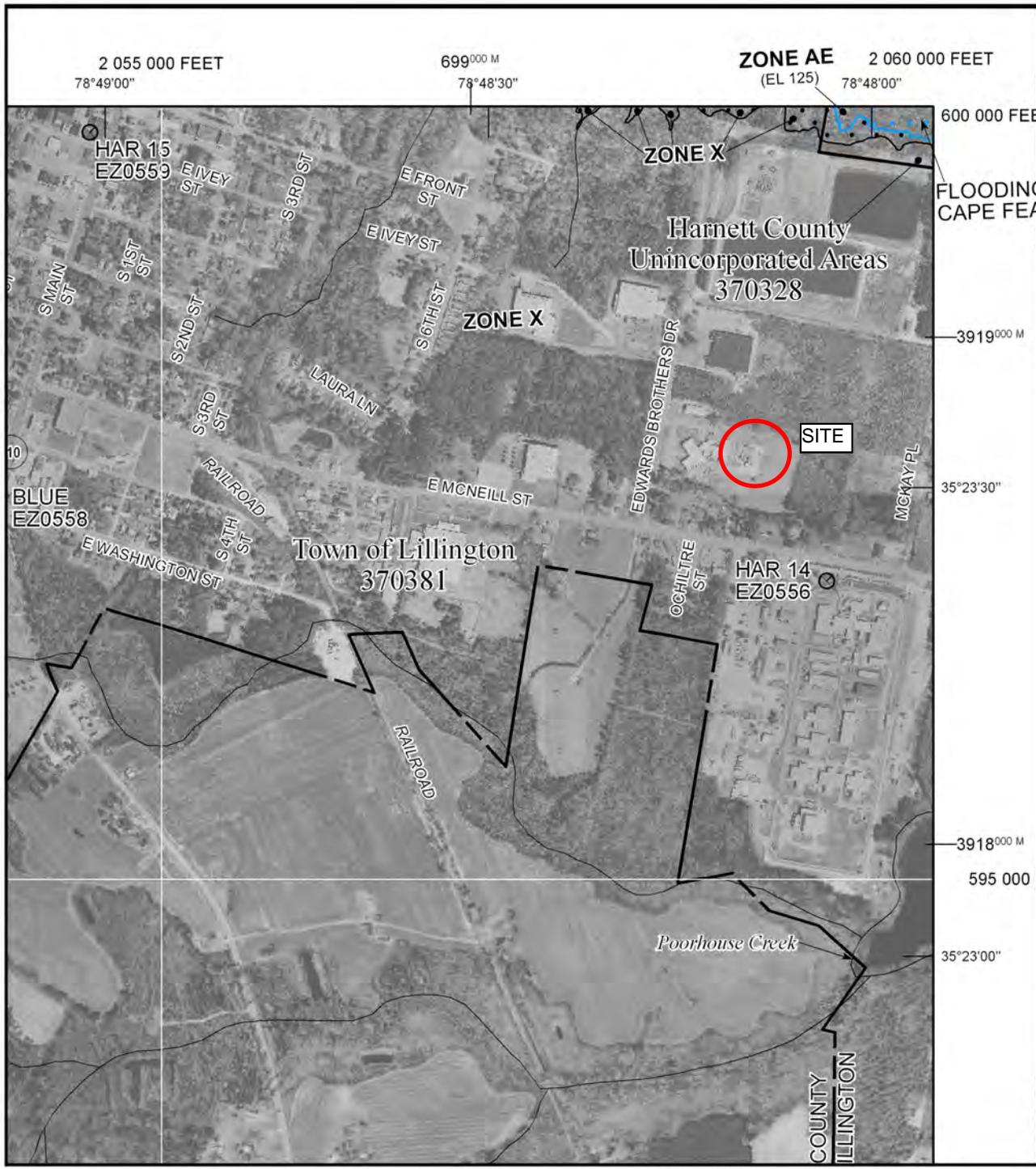
19. BISHOP	121. LAC VIEUX DESERT	223. SANTA YSABEL
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22. BRIGHTON	124. LAYTONVILLE	226. SAN FELIPE
23. BURNS PAIUTE COLONY	125. LA JOLLA	227. SAN ILDEFONSO
24. CABEZON	126. LA POSTA	228. SAN JUAN
25. CADDO *	127. LIKELY	229. SAN MANUAL
26. CAHUILLA	128. LONE PINE	230. SAN PASQUAL
27. CAMPO	129. LOOKOUT	231. SAN XAVIER
28. CAMP VERDE	130. LOS COYOTES	232. SAUK SUIATTLE
29. CANONCITO	131. LOVELOCK COLONY	233. SEMINOLE *
30. CAPITAN GRANDE	132. LOWER BRULE	234. SENECA-CAYUGA *
31. CARSON	133. LOWER ELWAH	235. SEQUAN
32. CATAWBA	134. LOWER SIOUX	236. SHAGTICOKE +
33. CATTARAUGUS	135. LUMMI	237. SHAKOPEE
34. CAYUGA *	136. MAKAH	238. SHEEP RANCH
35. CEDARVILLE	137. MANCHESTER	239. SHERWOOD VALLEY
36. CHEHALIS	138. MANZANITA	240. SHINGLE SPRING
37. CHEMEHUEVI	139. MARICOPA	241. SHINNECOCK +
38. CHEROKEE * #	140. MASHANTUCKET PEQUOT	242. SHOALWATER
39. CHEYENNE-ARAPAHOE*	141. MATTAPONI +	243. SHOSHONE
40. CHEYENNE RIVER	142. MENOMINEE	244. SILETZ
41. CHICKASAW *	143. MESCALERO	245. SISSETON
42. CHITIMACHA	144. MIAMI *	246. SKOKOMISH
43. CHOCTAW * #	145. MICCOSUKEE	247. SKULL VALLEY
44. CITIZEN BAND OF POTAWATOMI *	146. MIDDLETOWN	248. SOBOBA
45. COCHITI	147. MILLE LACS	249. SOUTHERN UTE
46. COEUR D'ALENE	148. MISSION	250. SPOKANE
47. COLD SPRINGS	149. MOAPA	251. SQUAXON ISLAND
		252. ST. CROIX

48. COLORADO RIVER
49. COLVILLE
50. COMANCHE *
51. COOS, LOWER UMPQUA
& SIUSLAW
52. COQUILLE *
53. CORTINA
54. COUSHATTA
55. COW CREEK
56. CREEK *
57. CROW
58. CROW CREEK
59. CUYAIPAPE
60. DEER CREEK
61. DELAWARE *
62. DEVILS LAKE
63. DRESSLERVILLE
COLONY
64. DRY CREEK
65. DUCKWATER
66. DUCK VALLEY
67. EASTERN SHAWNEE *
68. EAST COCOPAH
69. ELY COLONY
70. ENTERPRISE
71. FALLON
72. FLANDREAU INDIAN
SCHOOL
73. FLATHEAD
74. FOND DU LAC
75. FORT APACHE

150. MODOC *
151. MOLE LAKE
152. MONTGOMERY CREEK
153. MORONGO
154. MUCKLESHOOT
155. NAMBE
156. NARRAGANSETT
157. NAVAJO
158. NETT LAKE
159. NEZ PERCE
160. NIPMOC-
HASSANAMISCO +
161. NISQUALLY
162. NOOKSACK
163. NORTHERN CHEYENNE
164. NORTHWESTERN
SHOSHONE
165. OIL SPRINGS
166. OMAHA
167. ONEIDA #
168. ONONDAGA
169. ONTONAGON
170. OSAGE
171. OTOE-MISSOURI *
172. OTTAWA *
173. OUT
174. OZETTE
175. PAIUTE
176. PALA
177. PAMUNKEY +
178. PASCUA YAQUI

253. ST. REGIS
254. STANDING ROCK
255. STEWARTS POINT
256. STOCKBRIDGE
MUNSEE
257. SUMMIT LAKE
258. SUSANVILLE
259. SWINOMISH
260. TAOS
261. TE-MOAK
262. TESUQUE
263. TEXAS KICKAPOO
264. TOHONO O'ODHAM
265. TONAWANDA
266. TONIKAWA *
267. TORRES MARTINEZ
268. TOULUMNE
269. TRINDAD
270. TULALIP
271. TULE RIVER
272. TUNICA-BILOXI
273. TURTLE MOUNTAINS
274. TUSCARORA
275. TWENTYNINE PALMS
276. UMATILLA
277. UNITAH AND OURAY
278. UNITED KEETOOWAH
BAND OF CHEROKEE *
279. UPPER SIOUX
280. UPPER SKAGIT
281. UTE MOUNTAIN

76. FORT BELKNAP	179. PASSAMAQUODDY	282. VERMILION LAKE
77. FORT BERTHOLD	180. PAUCATAUK PEQUOT +	283. VIEJAS
78. FORT BIDWELL	181. PAUGUSETT +	284. WALKER RIVER
79. FORT HALL	182. PAWNEE *	285. WARM SPRINGS
80. FORT INDEPENDENCE	183. PECHANGA	286. WASHOE
81. FORT MCDERMITT	184. PENOBSCOT	287. WEST COCOPAH
82. FORT MCDOWELL	185. PEORIA *	288. WHITE EARTH
83. FORT MOHAVE	186. PICURIS	289. WICHITA *
84. FORT PECK	187. PINE RIDGE	290. WIND RIVER
85. FORT YUMA	188. POARCH CREEK	291. WINNEBAGO #
86. FT. SILL APACHE *	189. POJOAQUE	292. WINNEMUCCA
87. GILA BEND	190. PONCA *	293. WOODFORD INDIAN COMMUNITY
88. GILA RIVER	191. POOSEPATUCK +	294. WYANDOTTE *
89. GOSHUTE	192. PORT GAMBLE	295. XL RANCH
90. GRANDE RONDE	193. PORT MADISON	296. YAKAMA
91. GRAND PORTAGE	194. POTAWATOMI #	297. YANKTON
92. GRAND TRAVERSE	195. PRAIRIE ISLE	298. YAVAPAI
93. GREATER LEECH LAKE	196. PUERTOCITO	299. YERINGTON
94. GRINDSTONE	197. PUYALLUP	300. YOMBA
95. HANNAHVILLE	198. PYRAMID LAKE	301. YSLETA DEL SUR
96. HAVASUPAI	199. QUAPAW *	302. YUROK
97. HOH	200. QUILLAYUTE	303. ZIA
98. HOLLYWOOD	201. QUINAULT	304. ZUNI
99. HOOPA VALLEY	202. RAMAH	
100. HOPI	203. RAMONA	
101. HOULTON MALISEETS		



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

500 1,000 1,500 2,000
 FEET

PANEL 0548J

FIRM
FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 0548
 (SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	CID No.	PANEL	SUFFIX
HARNETT COUNTY	370328	0548	J
LILLINGTON, TOWN OF	370381	0548	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
OCTOBER 3, 2006 3720054800J




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

EFFECTS FROM RIVER

LEGEND



SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

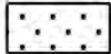
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevation determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Areas to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.



FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.



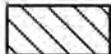
OTHER FLOOD AREAS

- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

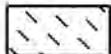


OTHER AREAS

- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.



COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS



OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary



GRID NORTH

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

500 1,000 1,500 2,000
FEET

PANEL 0548J

FIRM

**FLOOD INSURANCE RATE MAP
NORTH CAROLINA**

PANEL 0548

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

CONTAINS:

<u>COMMUNITY</u>	<u>CID No.</u>	<u>PANEL</u>	<u>SUFFIX</u>
HARNETT COUNTY	370328	0548	J
LILLINGTON TOWN OF	370381	0548	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**
OCTOBER 3, 2006 **3720054800J**



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

Lillington

Aug 15, 2011



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

Mr. Davey,

Thank you for speaking with me this morning regarding exemptions for emergency generators. Our original conversation was in regards to the proposed emergency services generator to be placed atop Bearwallow 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

United States Department of Agriculture



Natural Resources Conservation Service
530 West Innes Street
Salisbury, North Carolina 28144

Kristin May, Resource Soil Scientist
Phone: (704) 637-2400 x 104
E-mail: Kristin.may@nc.usda.gov

July 13, 2012

Tower Engineering Professionals, Inc
Attn: Andrew Blake
3703 Junction Boulevard
Raleigh, NC 27603

Dear Mr. Blake;

The following information is in response to your request for information on Prime, Unique and Statewide Importance Farmlands related to the proposed NC Highway Patrol Site: Lillington (HP-1166) 380-ft. SST Communications Tower in Harnett County.

Projects are subject to the Farmland Protection Policy Act (FPPA) requirements if they irreversibly convert farmland, either directly or indirectly, to a nonagricultural use and are completed or funded by a Federal agency.

For the purpose of FPPA, farmland includes prime farmland, unique farmland, and land of statewide or local importance. Farmland subject to FPPA does not have to be currently in crops. It can be forest land, pastureland, cropland, or other land. Farmland does not include land previously converted to urban development or water storage. Urban development is land that has been identified as urbanized area on the Census Bureau Map or as urban-built-up on the USDA Important Farmland Maps.

The area in question meets one or more of the above criteria for Farmland. Enclosed is the Farmland Conversion Impact Rating form (AD1006 / NRCS-CPA-106) with PARTS II, IV and V completed by NRCS.

If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Kristin May".

Kristin May
Resource Soil Scientist

cc.

Darryl Harrington, District Conservationist, NRCS, Lillington

Helping People Help the Land

An Equal Opportunity Provider and Employer



Projects and Activities Subject to FPPA

Projects are subject to FPPA requirements if they may irreversibly convert farmland (directly or indirectly) to nonagricultural use and are completed by a Federal agency or with assistance from a Federal agency.

Assistance from a Federal agency includes:

- Acquiring or disposing of land.
- Providing financing or loans.
- Managing property.
- Providing technical assistance

Activities that may be subject to FPPA include:

- State highway construction projects, (through the Federal Highway Administration)
- Airport expansions
- Electric cooperative construction projects
- Railroad construction projects
- Telephone company construction projects
- Reservoir and hydroelectric projects
- Federal agency projects that convert farmland
- Other projects completed with Federal assistance.

Activities not subject to FPPA include:

- Federal permitting and licensing
- Projects planned and completed without the assistance of a Federal agency
- Projects on land already in urban development or used for water storage
- Construction within an existing right-of-way purchased on or before August 4, 1984
- Construction for national defense purposes
- Construction of on-farm structures needed for farm operations
- Surface mining, where restoration to agricultural use is planned
- Construction of new minor secondary structures such as a garage or storage shed.

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request	7/10/12
Name Of Project		NC Highway Patrol Site: Lillington (HP-1166)	
Federal Agency Involved		NC Dept. of Crime Control and Public Safety	
Proposed Land Use		380-ft. SST Communications Tower	
County And State		Harnett, North Carolina	

PART II (To be completed by NRCS)		Date Request Received By NRCS	7/10/12
Does the site contain prime, unique, statewide or local important farmland? <i>(If no, the FPPA does not apply -- do not complete additional parts of this form).</i>		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
		Acres Irrigated	Average Farm Size
		None	157
Major Crop(s)	Farmable Land In Govt. Jurisdiction	Amount Of Farmland As Defined in FPPA	
Corn	Acres: 327,789 % 85	Acres: 239,304	% 76
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS	
Harnett Co. LESA		7/13/12	

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	0.1				
C. Total Acres In Site	0.2	0.0	0.0	0.0	0.0

PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland	0.2				
B. Total Acres Statewide And Local Important Farmland	0.0				
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	28.7				

PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)	88	0	0	0
--	----	---	---	---

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	10				
2. Perimeter In Nonurban Use	5				
3. Percent Of Site Being Farmed	0				
4. Protection Provided By State And Local Government	0				
5. Distance From Urban Builtup Area	10				
6. Distance To Urban Support Services	0				
7. Size Of Present Farm Unit Compared To Average	0				
8. Creation Of Nonfarmable Farmland	2				
9. Availability Of Farm Support Services	5				
10. On-Farm Investments	0				
11. Effects Of Conversion On Farm Support Services	0				
12. Compatibility With Existing Agricultural Use	5				
TOTAL SITE ASSESSMENT POINTS	160	37	0	0	0

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	88	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	37	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	125	0	0	0

Site Selected: Lillington (HP-1166)	Date Of Selection	Was A Local Site Assessment Used?
		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Reason For Selection: Site will provide suitable radio frequency coverage for the statewide public safety (VIPER) communications network.

Appendix E: 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



Ryan Adam Malek

Environmental Division – Environmental Scientist III

EDUCATION

North Carolina State University
Raleigh, NC – College of Natural Resources
Degree: Bachelor of Science (2008)
Major: Environmental Technology
OSHA 40-hr HAZWOPER Certification

WORK SUMMARY

Tower Engineering Professionals, Inc. Raleigh, NC (**January 2009 – present**)

- Environmental Scientist III
- Assisted with the completion of Phase I - Environmental Site Assessments (ESA) for proposed telecommunication tower projects throughout the United States (NC, SC, GA, VA, OH, MA, MT, WY, CO, NM, UT, NV) and Canada.
- Assisted with the completion of National Environmental Policy Act (NEPA) Checklist documents (FCC Compliance) for proposed and existing telecommunications tower projects throughout the United States (NC, SC, GA, VA, OH, MA, MT, WY, CO, NM, UT, NV).
- Assisted with the completion of NEPA Environmental Assessments (NEPA – EA) due to issues discovered during the initial NEPA Checklist screening process
- Assisted in Phase II Environmental Site Assessment soil sampling and temporary groundwater monitoring well installation and sampling
- Completed Informal Biological Assessments for Rare, Threatened and Endangered Species
- 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
- Assisted with wetland delineations for projects in southeastern NC
- Assisted with the completion of Civil and Structural Engineering Construction and Zoning Drawings using AutoCAD

The Nature Conservancy Wilmington, NC (**May 2008-August 2008**)

- Environmental Intern
- Conducted Pine and Hardwood Forest inventory with geospatial technologies (GPS, ArcGIS)
- Assisted with Endangered and Federally Concerned species habitat management (Red Cockaded Woodpecker, Pitcher Plant, Venus Flytrap)



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.