



**& THE COUNTY OF DARE, NC
FCC NEPA ENVIRONMENTAL ASSESSMENT
350-FT PROPOSED SELF SUPPORT LATTICE TOWER**

**SITE NAME: STUMPY POINT
SITE NUMBER: HP - 1357**

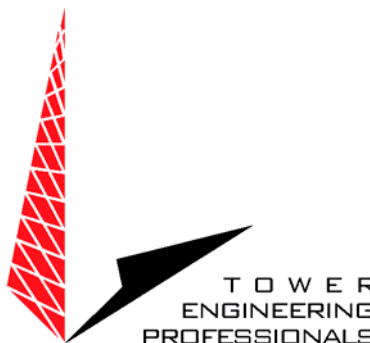
**95 US HWY 64
STUMPY POINT
DARE COUNTY, NORTH CAROLINA**

**LATITUDE: N35° 42' 30.2" ±
LONGITUDE: W75° 46' 2.8" ±**

**DATE INSPECTED: AUGUST 22, 2010
DATE NEPA-EA ISSUED: FEBRUARY 18, 2011**



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



NEPA Environmental Assessment

Stumpy Point Site

**North Carolina Department of Crime Control & Public Safety & the County of
Dare**

Dare County, North Carolina

February 18, 2011

Prepared for:



&

The County of Dare, NC

Tanya Luter
North Carolina Highway Patrol
3318 Garner Road, Bldg. 2
Raleigh, NC 27610
(919) 662-4440

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1.0 INTRODUCTION

North Carolina Department of Crime Control & Public Safety in cooperation with the County of Dare, North Carolina, in accordance with the Federal Communications Commission (FCC) and the National Environmental Policy Act (NEPA), has contracted Tower Engineering Professionals, Inc. to prepare an Environmental Assessment (EA) for a proposed 350-ft (360-ft with appurtenances) Self-support Lattice Communications tower located at 95 US Highway 264 in Stumpy Point, NC; within the Dare County Wastewater Treatment Facility. Per 47 CFR Section 1.1308, all applicants shall prepare an EA for actions that may have a significant environmental impact. The proposed Communications tower will be located within Flood Zone AE with a base flood elevation of 4-ft AMSL of the 100-year floodplain. This NEPA Environmental Assessment addresses the proposed floodplain involvement.

1.1 Project Description

The proposed development on the subject site includes the construction of a proposed 350-ft (360-ft with appurtenances) Self-support Lattice Communications tower within the existing fenced and restricted access Dare County Wastewater Treatment Facility, in Dare County, NC. The proposed tower site is located east of a portion of US Hwy 264 adjacent to the existing Dare County Wastewater Treatment Facility within a maintained grass lawn that has recently been graded, backfilled, and compacted with buildable soils for the construction of the aforementioned Wastewater Treatment Facility. A portion of the southeastern corner of the fence line will be removed and extended approximately 20-ft to the east to accommodate the proposed communications tower facility. The proposed tower and the associated equipment will be located entirely within the existing fenced Dare County Wastewater Treatment facility, which will be improved in the vicinity of the proposed self-support tower and equipment shelter locations by the placing of crushed stone (gravel) to a depth of approximately 6-inches. The proposed 1,400-sq. ft. (0.03-acres) area of disturbance will include the placement of a proposed 11'6" x 19' equipment shelter and 5'6" x 9'6" generator pad that will be elevated at a minimum of 2.0-ft above the base flood elevation of 4-ft AMSL. Approximately 207.5-cubic ft. of fill material will need to be placed on site in order to elevate the area of construction to a least 2-ft above the base flood elevation. The shelter and associated equipment will be constructed of materials to minimize damage due to floodwater effect. The proposed access easement will utilize a portion of the aforementioned existing gravel drive, which currently provides access to the Dare County Wastewater Treatment Facility. The proposed communications tower facility will be located within a heavily disturbed, filled and graded, portion of the property, adjacent to the aforementioned Dare County Wastewater Treatment Facility (see Figure 2–Site Plan).

1.2 Site Location

The proposed tower site is located at 95 US Highway 264, north of Bayview Drive, west of the Community of Stumpy Point, in Dare County, NC. The proposed tower will be located at 35° 42' 30.2" Latitude and 75° 46' 2.8" Longitude (NAD 83). The proposed tower centerline will be located where the existing ground elevation is reportedly 1.6-ft above mean sea level (AMSL)

(N.A.V.D. 88) and the proposed equipment shelter and generator location elevation is reportedly 2-ft above mean sea level (AMSL). The site is located within the Engelhard NE, North Carolina Quadangle, as shown in Appendix A. See Figure 1 and 2 for the Site Vicinity Map and 1-A Certification of Elevation and Location, respectively.

2.0 PROJECT INFORMATION

2.1 Site Selection

The proposed tower location was chosen by the North Carolina Department of Crime Control & Public Safety and Dare County in an attempt to provide suitable emergency services radio frequency coverage for southeastern Dare County and northeastern Hyde County as part of the Voice Interoperability Plan for Emergency Responders (VIPER). The proposed site is located within an area of Dare County determined to provide suitable radio frequency coverage for the aforementioned region while minimizing any potential environmental impacts associated with the proposed undertaking. Four candidates were evaluated in order to determine the most feasible alternative. The first three candidates evaluated were determined to be unsuitable candidates due to impacts to jurisdictional wetlands, public water supply wellhead buffers, and the Alligator River National Wildlife Refuge. Due to the heavily disturbed nature of the parent parcel and because the proposed tower facility will be located within the Dare County owned Wastewater Treatment Facility (industrial land use), the North Carolina Department of Crime Control & Public Safety and the County of Dare determined the proposed site to be the most feasible alternative. In addition, suitable areas of upland/non-wetland areas that are not located within the boundaries of the Alligator River National Wildlife Refuge are limited within this portion of Dare County, North Carolina. Due to the geographic location of the entire surrounding area located within the limits of the 100-year floodplain, and the location of the proposed tower site within the previously disturbed and permitted Wastewater Treatment Facility; floodplain involvement would be necessary for any facility located within the southern portion of mainland Dare County.

2.2 Local Community Issues

The proposed tower site is located within a municipal parcel of real estate primarily occupied by the Dare County Wastewater Treatment Facility and located on a heavily disturbed property owned by Dare County. The proposed 350-ft Self-support Lattice Communications tower and the associated elevated equipment will be located within a portion of the Dare County Wastewater Treatment Facility that has been previously cleared and graded by the construction of an access road, chain link fence, Wastewater Treatment Facility, and other structural improvements associated with the Wastewater facility. George Swearingen, Environmental Manager of Tower Engineering Professionals, Inc. (TEP) with the assistance of Scott Seibel of ESI, completed the correspondence with the NC State Historic Preservation Office (SHPO) regarding Cultural Resources listed on or eligible for listing on the National Register of Historic Places within the 0.75 mile area of potential effect (APE).

TEP was not made aware of complaints involving the local community associated with the proposed construction of the 350-ft Self-support Lattice tower. A Public Notice was publicized in the “Outer Banks Sentinel” Newspaper on October 27, 2010. TEP has not received any comments from the public regarding the proposed undertaking as of 2-17-11. TEP sent correspondence to the Kill Devil Hills Historic Society, Roanoke Island Historic Society, and the Outer Banks Preservation Association, and the Dare County Planning Department on October 20, 2010 requesting any comments they may have regarding the proposed undertaking. The North Carolina Department of Crime Control & Public Safety and the County of Dare received concurrence from Donna Greef of the Dare County Planning Department on October 22, 2010. The North Carolina Department of Crime Control & Public Safety and the County of Dare received a Dare County Commercial Building Permit on February 11, 2011 for the proposed undertaking.

2.3 Alternatives Considered

Four candidates were evaluated in order to determine the most feasible alternative. The first three candidates evaluated were deemed unsuitable due to impacts to jurisdictional wetlands, public water supply wellhead buffers, and the Alligator River National Wildlife Refuge. The first candidate was located west of a portion of US Highway 264 approximately 4,000-ft to the south-southwest of the proposed tower site. However, this candidate was determined to be located within the limits of the Alligator River National Wildlife Refuge. The second candidate was located east of a portion of US Highway 264 adjacent to the Stumpy Point emergency ferry dock maintained by the NC Dept. of Transportation and located approximately 4,100-ft south-southwest of the proposed tower site. This candidate was determined to be located within jurisdictional tidal wetlands. The third candidate was located north of a portion of Bayview Road approximately 750-ft east-southeast of the proposed tower site. This candidate was located adjacent to the Stumpy Point Public Water Supply wellhead and aboveground reservoir. This candidate would have been located within 100-ft of a Public Water Supply wellhead buffer and thus dismissed as a feasible alternative.

The proposed tower location is the most feasible alternative because the Dare County Wastewater Treatment Facility property is one of the only areas in the southern portion of Dare County that is not occupied by wetlands and/or located within the limits of the Alligator River National Wildlife Refuge. The Alligator River National Wildlife Refuge adjoins the Wastewater Treatment Facility to the north and occupies the majority of Dare County within the vicinity of the proposed communication tower site. In order to complete the required coverage needs for the statewide VIPER communications system, a new communications tower is desired in this portion of Dare County. The proposed Stumpy Point tower site, is located in a heavily disturbed, industrial, fenced, and graded property, adjacent to the Dare County Wastewater Treatment Facility, and was determined to be a suitable location in an attempt to minimize effects addressed by National Environmental Policy Act.

Based on information obtained from the North Carolina Department of Crime Control and Public Safety, alternatives to the VIPER system are possible “but not as efficient”. Financial,

compliance, and operational limitations have been cited as deterrents to “leased commercially owned private radio”, “public radio”, and “satellite” systems; none of which are located in the vicinity of the proposed location.

3.0 ASSESSMENT OF POTENTIAL IMPACTS

3.1 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, Wilderness.net - U.S. National Wilderness Preservation System Map, and pertinent information from the National Park Service, U.S. Forest Service, and the Bureau of Land Management, the proposed emergency services tower site is not located within an officially designated wilderness area.

3.2 Designated Wildlife Preserves

Based on a review by the U.S. Fish and Wildlife Service (USFWS) and a review of the pertinent maps (US Fish and Wildlife Service: National Wildlife Refuge System Map, dated September 30, 2004), the site is not located within a designated wildlife preserve. However, the proposed site is located on a parcel of real estate in a portion of Dare County that is bordered on the north and west by the Alligator River National Wildlife Refuge. The refuge is located on the mainland of Dare and Hyde counties and consists of a diversity of habitats including high and low pocosin, bogs, fresh and brackish water marshes, hardwood swamps, and Atlantic white cedar swamps encompassing approximately 154,000 acres.

3.3 Protected Species and Critical Habitats

Based on a site inspection, research on the North Carolina Department of Environment and Natural Resources: Natural Heritage Program Online Virtual Workroom, and a review of the Endangered Species, Threatened Species, Federal Species of Concern, and Candidate Species of Dare County, NC as obtained from the USFWS-NC Ecological Services Division: Raleigh Field Office, “the proposed activities are not likely to adversely affect federally-listed threatened and endangered species”. In addition the proposed tower is not anticipated to have an adverse effect on known populations or occurrences of federal and state protected species of concern, high quality natural areas, or significant natural areas. The USFWS did indicate that the “design of the proposed communications tower does not minimize the potential hazard to avian species protected by the MBTA”. In an attempt to cooperate with the USFWS and also minimize any “potential hazard to avian species protected by the MBTA” the North Carolina Department of Crime Control & Public Safety – Division of State Highway Patrol and the County of Dare has granted the USFWS permission to access the restricted area surrounding the proposed facility to conduct avian mortality surveys. See Appendix C for the USFWS Communications tower review letter, access agreement letter from the NC Department of Crime Control & Public Safety - Division of State Highway Patrol, and the access agreement letter from the County of Dare.

3.4 Cultural Resources

In accordance with the National Historic Preservation Act, Section 106, Ms. Renee Gledhill-Earley, Environmental Review Coordinator for the State Historic Preservation Office, of the North Carolina Department of Cultural Resources - Division of Archives and History, was contacted to determine the potential effect on sites and structures of historic significance within the proposed project's visual and direct area of potential effects. The State Historic Preservation Office has determined that "the proposed communications tower will not affect historic properties in the area of potential effect". See Appendix C for the North Carolina Historic Preservation Office concurrence letter and the FCC Form 620.

3.5 Indian Religious Sites

Based on the responses to TCNS #69257, filed 10/14/2010 and a review of available information obtained from the North Carolina Department of Cultural Resources, no known Indian religious sites will be affected by the proposed tower site. Further, based on a review of the National Park Service - Native American Consultative database and the Bureau of Indian Affairs (BIA) Indian Reservations in the Continental United States Map, dated 5/96, no federally recognized Native American Tribes or Reservations are known to be located within Dare County, NC. In addition, Mr. Scott Seibel, RPA of Environmental Services, Inc., conducted an archeological assessment and determined that due to the previous disturbance of the proposed tower site that "the location has no potential to contain significant, intact archeological sites." Based on this information, the construction and operation of this communications facility is not likely to affect Indian religious sites. Further, the site has been disturbed by previous construction activities on the parent property associated with the Dare County Wastewater Treatment Facility and is not located near or within the boundaries of any known Indian religious sites.

3.6 Floodplain Involvement

Based on the review of the pertinent Federal Emergency Management Agency (FEMA) - Flood Insurance Rate Map (Community Panel No. 3720974200J Effective Date September 20, 2006), the proposed action is located within Zone AE - base flood elevation determined to be 4-ft AMSL of the 100-year floodplain of a special flood hazard area.

According to the site 1-A Certification of Location and Elevation dated 9/28/10 and revised on 2/9/11, completed by Cliff Byrd, P.L.S. of Tower Engineering Professionals, Inc., the ground elevation for the proposed tower is 1.6-ft AMSL (Figure 2). The proposed equipment shelter and emergency generator location is reportedly 2-ft AMSL. The proposed tower equipment will be elevated utilizing fill material to elevate the proposed ground equipment at least 2.0-ft AGL above base flood elevation of 4-ft AMSL. See Appendix D for the Floodplain map and the Engineer's Letter and see Appendix E for the Pertinent Construction Drawings.

3.7 Surface Features

Tower Engineering Professionals, Inc. determined that the proposed tower construction will not “involve a significant change in surface features” due to the site being located within the limits of the existing Dare County Waste Water Treatment Facility. The parent parcel has been significantly disturbed by previous development associated with the Dare County Wastewater Treatment Facility. The proposed tower compound location is currently occupied by a maintained grass lawn within the limits of the fenced County of Dare WWTF. No wetland fill associated with the proposed tower construction is anticipated.

3.8 High Intensity White Lights

The FAA has made a lighting determination on the proposed tower (see Aeronautical Study # 2010-ASO-4102-OE). The FAA has determined that the proposed 350-ft (360-ft with appurtenances) Self-support tower would not be a hazard to air navigation. The FAA has also indicated that the tower will be equipped with a dual mode lighting system that will utilize medium intensity lights for aviation safety. See Appendix F for a copy of FAA Determination Letter.

3.9 Human Exposure to Radio Frequency

Based on FAA Study Number 2010-ASO-4102-OE and the TEP Construction Drawings dated February 15, 2011 the proposed antennas will be located greater than or equal to 10 meters AGL within a restricted access facility therefore, no further investigation with regards to radio frequency exposure was conducted. The North Carolina Department of Crime Control and Public Safety and the County of Dare are responsible for insuring that the proposed facility is compliant with FCC MPE requirements. See Appendix G for Construction Drawings.

4.0 ENVIRONMENTAL CONSEQUENCES

4.1 Location in 100-year floodplain

According to the FEMA FIRM Map Community Panel No. 3720974200J Effective Date September 20, 2006 the Stumpy Point site is designated as being located within the limits of Flood Zone AE – with base flood elevations (BFE) determined to be 4-ft AMSL. Based on the Site Survey of the Stumpy Point proposed action location, the Communications tower centerline will be located at 1.6-ft AMSL and the proposed equipment shelter and generator locations will be located at 2-ft AMSL, approximately 2-ft below the floodplain 4-ft AMSL BFE. The proposed equipment shelters will be located at a minimum of 6.0-ft AMSL in an attempt to locate all of the necessary ground communications equipment at least two feet above the BFE of 4-ft AMSL. In addition, the equipment shelter, generator, and electric service rack will be constructed of materials to minimize damage due to floodwater effect.

5.0 SUMMARY AND RECOMMENDATIONS

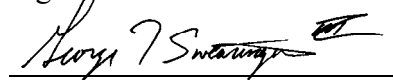
NEPA requires that impacts resulting from a proposed action should be avoided if at all possible. If impacts cannot be avoided, then impacts should be minimized, reduced and compensated for if an adverse impact will occur as a result of the proposed action. Four candidates were evaluated by the North Carolina Highway Patrol Department of Crime Control and Public Safety and the County of Dare in order to determine the most feasible alternative. The first three candidates evaluated were deemed insufficient due to impacts to jurisdictional wetlands, public water supply wellhead buffers, and the Alligator River National Wildlife Refuge. Due to the heavily disturbed nature of the parent parcel and because the proposed tower facility will be located within the Dare County WWTF, the North Carolina Department of Crime Control & Public Safety and the County of Dare determined the proposed site to be the most feasible alternative.

Because the proposed tower site and compound are located within Flood Zone AE of the 100-year floodplain as identified in the FEMA FIRM map community panel No. 3720974200J (Effective Date September 20, 2006), the North Carolina Department of Crime Control & Public Safety and the County of Dare was able to minimize the floodplain involvement by designing all of the proposed associated equipment shelters above the base flood elevation within a previously disturbed industrial property. The proposed 1,400-ft² (0.03-acres) area of disturbance will include the placement of a proposed 11.5-ft x 19-ft equipment shelter and 5.5-ft x 9.5-ft generator pad that will be elevated at a minimum of 2.0-ft above the base flood elevation of 4-ft AMSL. Approximately 207.5-ft³ of fill material will be placed on site in order to elevate the pertinent telecommunications equipment at least 2-ft above the base flood elevation of the 100-year floodplain. See Appendix G for the pertinent construction drawings. The North Carolina Department of Crime Control & Public Safety and the County of Dare received a Dare County Commercial Building permit on February 11, 2011 regarding the proposed undertaking.

The North Carolina Department of Crime Control & Public Safety and the County of Dare have minimized and reduced potential floodplain impacts to the extent possible by proposing to construct the associated equipment shelters at least 2-ft above the base flood elevation as determined by the Federal Emergency Management Agency (FEMA)-Flood Insurance Rate Map, (Community Panel No. 3720974200J Effective date September 20, 2006).

The North Carolina Department of Crime Control & Public Safety and the County of Dare hereby recommends a "Finding of No Significant Impact" for the proposed action.

Signature of Environmental Professional



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

February 18, 2011

Date

FIGURE 1

Site Vicinity Map

Stumpy Point Site Vicinity Map



© 1999 DeLorme. Street Atlas USA

Mag 14.00
Fri Feb 18 09:03 2011
Scale 1:31,250 (at center)
2000 Feet
1000 Meters

- | | |
|--------------------|-------------------|
| Local Road | Land |
| Major Connector | Water |
| US Highway | National Park |
| Small Town | State Park/Forest |
| Geographic Feature | Woodland |
| Locale | River/Canal |
| Cemetery | |
| Lake | |

FIGURE 2

Site 1-A Certification of Location and Elevation



1-A Certification of Location and Elevation

Date of Survey: 09/28/10

Rev. 0: 02/09/11

Prepared For: Marty Randall
N.C. Highway Patrol
3318 Garner Rd. Building Two
Raleigh, NC 27610

Site Name: HP-1357 Stumpy Point
TEP Job No: 092582
Structure Type: Proposed Tower
Site Address: 95 U.S. Hwy 264
Stumpy Point, NC 27953
(Dare County)

The elevations referenced hereon are based on N.A.V.D. 1988, and are accurate to within 3 feet, more or less as determined by our survey of the subject property. The values are as follows:

Elevation of Site Above Mean Sea Level: 1.6 feet (AMSL)

The horizontal values of the above referenced point, and the geodetic coordinates thereof, were established by taking multiple readings with dual frequency Global Position Satellite Receivers and are hereby certified to be within 15 feet, more or less, based thereon. The values are as follows:

NAD '27 **LATITUDE:** 35° - 42' - 29.612" North
 LONGITUDE: 075° - 46' - 04.172" West

NAD '83 **LATITUDE:** 35° - 42' - 30.231" North
 LONGITUDE: 075° - 46' - 02.810" West





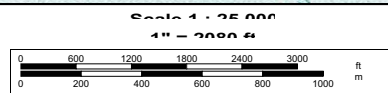
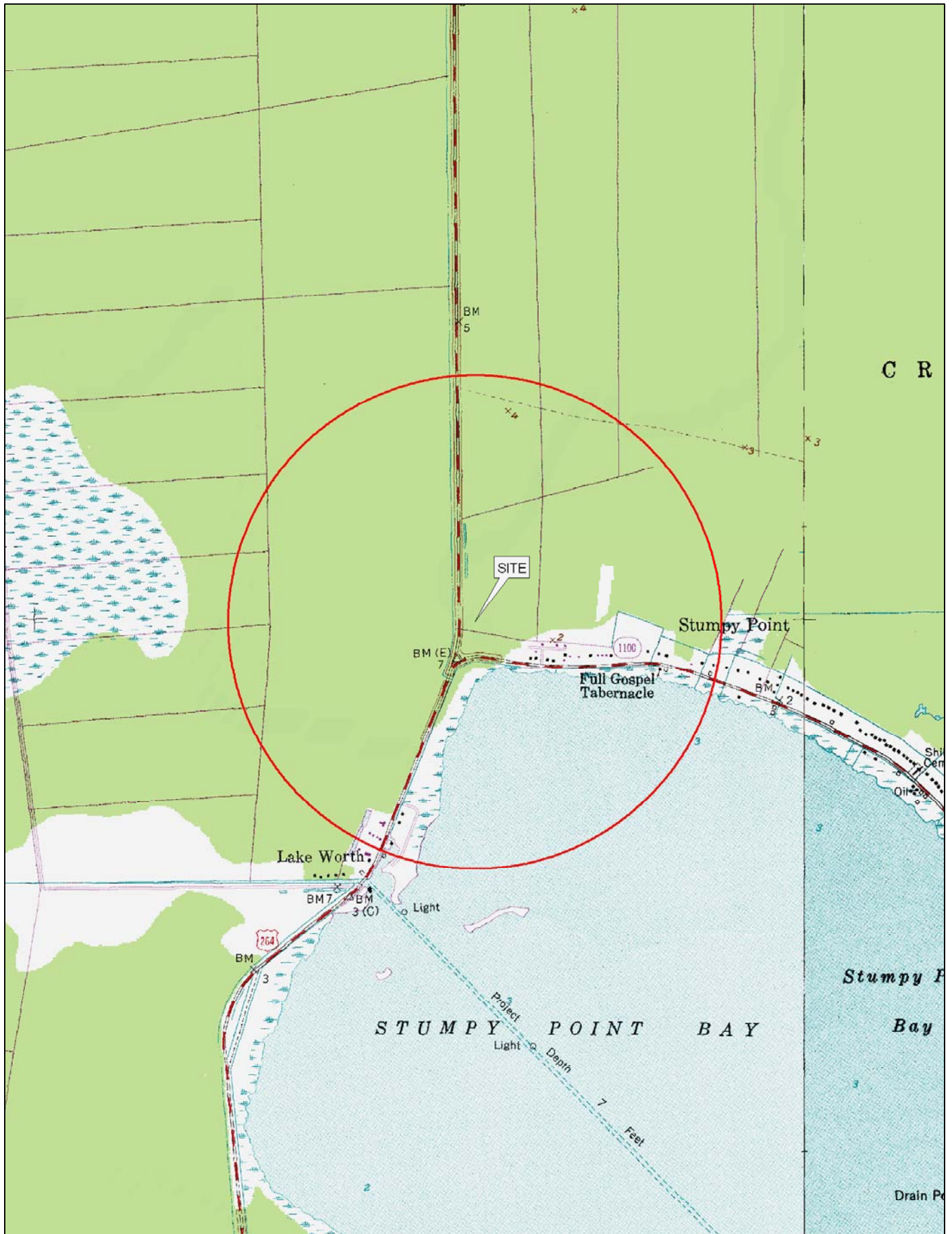
Clifford C. Byrd
Professional Land Surveyor L-3782



Date

APPENDIX A

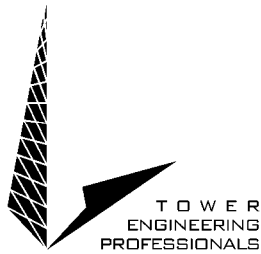
USGS Engelhard NE, NC Quadrangle



APPENDIX B

FCC NEPA Checklist

February 16, 2011



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

Re: NEPA Checklist
NC Highway Patrol Site # HP-1357
Stumpy Point Site
US Highway 264
Stumpy Point, Dare 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 **350-ft AGL Self-Support Lattice Communications Tower (360-ft AGL with appurtenances)** for the site designated as **Stumpy Point (NC Highway Patrol Site # HP-1357)**, 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 **Dare County, NC**. The parent property and the adjacent properties were occupied by a mix of municipal and undeveloped forested land uses at the time of the site inspection.

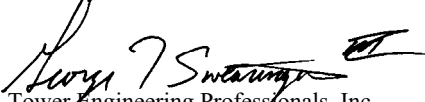
The NEPA Checklist research conducted by TEP indicates that the site is **not**: located in an officially designated wilderness area; located in an officially designated wildlife preserve; located in a residential zoned area and required to be equipped with high intensity white lights; and will **not**: 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.

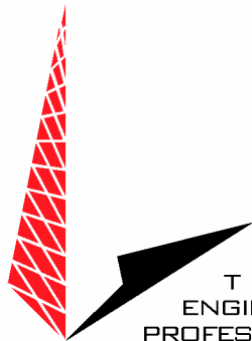
According to the FEMA - FIRM Map Panel Number 3720974200J dated September 20, 2006; the proposed North Carolina Highway Patrol site **Stumpy Point** is located in FEMA Flood Zone AE, areas of 1% chance annual flooding. This is the flood that has a 1% chance of equaling or exceeding the 100 year flood in a given year. Base flood elevations have been determined to be 4-ft AMSL. According to Preliminary Zoning Drawings dated 10-19-2010 completed by TEP, the ground elevation at the proposed tower site is reportedly 1.6-ft AMSL and the ground elevation at the proposed equipment shelter and generator location is reportedly 2-ft AMSL. Therefore, it is the recommendation of TEP that all equipment be elevated at least 4-ft AGL to a height of 6-ft AMSL, in order to elevate all associated telecommunications equipment at least 2-ft above the base flood level as determined by FEMA.

TEP, with the assistance of Environmental Services, Inc. conducted the Section 106 of the NHPA portion of the NEPA checklist and the Native American consultation. TEP filed the proposed **Stumpy Point** site with the FCC Tower Construction Notification System (TCNS) on **10/14/10** and was assigned TCNS # **69257**. TEP has received correspondence from all of the applicable tribes with known ancestral and/or aboriginal rights to **Dare County, NC** as identified by the FCC TCNS.

The results of the NEPA Checklist conducted by TEP conclude that further investigation (i.e. NEPA Environmental Assessment) is warranted and recommended for the **Stumpy Point Site**.

Sincerely,


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



FCC NEPA COMPLIANCE AUDIT CHECKLIST

STUMPY POINT SITE 350-FT SELF-SUPPORT LATTICE TOWER NC HIGHWAY PATROL & THE COUNTY OF DARE, NC STUMPY POINT, NC DARE COUNTY

TOWER
ENGINEERING
PROFESSIONALS

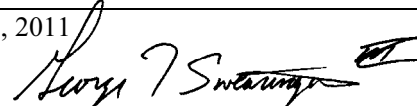
1. Is the proposed facility located in an officially designated wilderness area? No
2. Is the proposed facility located in an officially designated wildlife preserve? No
3. Will the proposed facility likely affect threatened or endangered species or designated critical habitats; or likely jeopardize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

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

RF Exposure Screening Under NEPA

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

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

TOWER ENGINEERING PROFESSIONALS, INC.	Date: February 16, 2011
Print Name: George T. Swearingen, III	Signature: 

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

1. Designated Wilderness Areas – Based on a review of the National Wilderness Institute Map of Wilderness Areas, Wild & Scenic Rivers, National Natural Landmarks and UN Biosphere Reserves, dated 1995, and the Wilderness.net - U.S. National Wilderness Preservation System Map, the proposed emergency services 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 emergency services tower site is not located within an officially designated wildlife preserve. However, the Alligator National Wildlife Refuge is located on the northern and western adjoining property.
- 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 emergency services 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 emergency services tower site. In addition, no critical habitats were identified on the proposed emergency services tower site. Therefore, it has been determined that the construction of the proposed emergency services tower is not likely to adversely affect federally listed 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 emergency services 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 emergency services tower site. The proposed tower site is not located within an area qualifying as proposed critical habitats. Further, the construction of the proposed emergency services tower is not likely to adversely affect proposed threatened or endangered species or their critical habitats.
4. Historical Places – Based on the results of our coordination with the Kill Devil Hills Historic Society, Roanoke Island Historical Society, Outer Banks Preservation Commission, Dare County Planning 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 #69257, no known Indian religious sites will be affected by the proposed emergency services tower site.
6. Floodplains – Based on a review of the floodplain map of the area (FIRM Community-Panel No. 3720974200J dated September 20, 2006), the proposed tower site is located within a special flood hazard area as determined by FEMA. The proposed North Carolina Highway Patrol and the County of Dare Stumpy Point emergency services tower site is located with FEMA Flood Zone AE, determined base flood elevation to be 4-ft AMSL. According to Preliminary Zoning Drawings dated 10-19-2010 completed by TEP, the ground elevation at the proposed tower site is reportedly 1.6-ft AMSL and the ground elevation at the proposed equipment shelter and generator location is reportedly 2-ft AMSL. Therefore, it is the recommendation of TEP that all equipment be elevated at least 4-ft AGL to a height of 6-ft AMSL, in order to elevate all associated telecommunications equipment at least 2-ft above the base flood elevation 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. The proposed action location is currently occupied by a maintained grass lawn within a fenced, restricted access industrial facility.
8. Zoning/High Intensity White Lights – The proposed emergency services tower is 350-feet AGL (360-ft AGL with appurtenances), the use of high intensity white lights should not be necessary. Based on the FAA Aeronautical Study Number 2010-ASO-5743-OE dated 12-10-10 the proposed emergency services 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.

APPENDIX C

Agency Correspondence & Pertinent Research Information

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

CT10-1966

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-1357
Address: US 264, Stumpy Point
County: Dare, NC FCC Registration No. _____
Tower type and height: 350-ft SST tower, 360-ft with Quad Name: Engelhard NE
appurtenances

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: _____
No Quad Mapped

IV. Additional Information/Investigation Needed:

NO Survey
NO Testing of sites _____
Recommended by/on: [Signature] 10/19/10
(Office of State Archaeology)

_____ Photo Reconnaissance
_____ Balloon Test

Recommended by/on: [Signature]
(Survey & Planning Branch)

V. Recommendations/Final Determination:

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

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

10/19/10
Date

cc: FCC

February, 2001

New Tower (“NT”) Submission Packet

FCC FORM 620

Introduction

General Instructions: NT Submission Packet

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

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

1. Applicant Information

Full Legal Name of Applicant: North Carolina Highway Patrol - Department of Crime Control and Public Safety in Cooperation with the County of Dare

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

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

Phone: 919.662.4440 Fax: n/a

E-mail address: tluter@NCSHP.ORG

2. Applicant’s Consultant Information

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

Name of Principal Investigator: Scott Seibel

Title of Principal Investigator: President and Senior Principal Archaeologist

Investigator’s Address: 524 South New Hope Road

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

Applicant’s Name: NC Highway Patrol
Project Name: Stumpy Point
Project Number: HP-1357

FCC Form 620
February 17, 2011

NR SUBMISSION PACKET – FCC FORM 620

Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

City: Raleigh

State: NC

Zip Code: 27610

Phone: 919. 212.1760

Fax: 919. 212.1707

E-mail address: sseibel@esinc.cc

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

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

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

3. Site Information

a. Street Address of Site: Highway 264 (E911 TBD)

City or Township: Stumpy Point, NC

County/Parish: Dare

b. Nearest Cross Roads: US Highway 264/Bayview Drive

c. NAD 83 Latitude/Longitude coordinates (to tenth of a second):

N35°42'30.2"; W75°46'2.8"

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

Applicant's Name: NC Highway Patrol

Project Name: Stumpy Point

Project Number: HP-1357

FCC Form 620

February 17, 2011

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039

Estimated Time Per Response:
.5 to 10 hours

d. Proposed tower height above ground level:⁵350-feet; 106.68 meters (360-ft with appurtenances (109.73 meters))

e. Tower Type:

☐ guyed lattice tower ☒ self-supporting lattice ☐ monopole

☐ other (briefly describe tower)

4. Project Status:⁶

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

5. Applicant's Determination of Effect:

a. Direct Effects (check one):

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

b. Visual Effects (check one):

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

⁵ Include top-mounted attachments such as lightning rods.

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

Applicant's Name: NC Highway Patrol
Project Name: Stumpy Point
Project Number: HP-1357

FCC Form 620
February 17, 2011

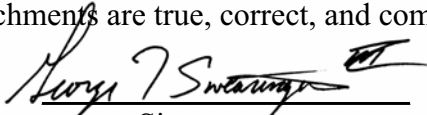
NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039

Estimated Time Per Response:
.5 to 10 hours

Certification and Signature

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


Signature

2/17/2011
Date

George T. Swearingen, III
Printed Name

Environmental Division Manager
Title

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

Applicant's Name: NC Highway Patrol
Project Name: Stumpy Point
Project Number: HP-1357

FCC Form 620
February 17, 2011

NT SUBMISSION PACKET – FCC FORM 620

Attachments

Attachment 1. Résumés/Vitae

See attached resume of Scott Seibel, Senior Principal Archeologist.

Attachment 2. Additional Site Information

The proposed 350-ft AGL (360-ft AGL with appurtenances) self-support emergency services tower will be located east of a portion of US Highway 264, north of a portion of Bayview Drive, and west-northwest of the Community of Stumpy Point, within Dare County, North Carolina. The approximately 1,400-sq. ft. area of construction associated with the proposed self-support emergency services tower, equipment shelter, emergency Diesel generator, and service meter rack was located entirely within a maintained grass lawn that had recently been graded, backfilled, and compacted with buildable soils for the construction of the existing Dare County Wastewater Treatment facility. The area surrounding the proposed tower site was primarily occupied by the new Dare County Wastewater Treatment facility. The parent property was primarily occupied by the Dare County Wastewater Treatment Facility, maintained grass lawn, and undeveloped forested land uses in the vicinity of the proposed tower site. The proposed access and utilities easement will utilize an existing gravel drive which proceeds east from US Highway 264 approximately 260-ft before reaching the proposed North Carolina Highway Patrol lease area. The existing fence currently located east of the Wastewater Treatment facility, will be removed and extended approximately 20-ft to the east for the placement of the proposed emergency services tower, however, remaining within the already heavily disturbed portion of the parent property. The parent property is located in a portion of Dare County where the surrounding land is primarily occupied by municipal, residential, and undeveloped forested land uses.

Attachment 3. Tribal and NHO Involvement

Tower Engineering Professionals filed the proposed facility with the FCC – Tower Construction Notification System (TCNS) on 10-14-10 and was assigned TCNS# 69257. In addition, TEP personnel sent, via email or standard mail, correspondence to all the applicable tribes on 10-20-10.

Attachment 4.

TEP contacted the Dare County Planning Department on October 20, 2010 and invited them to be a consulting party regarding the proposed Emergency Services Communication Tower.

Attachment 5.

TEP placed a Public Notice in the “OBX Sentinel” newspaper that was advertised on 10-27-2010 and has requested any comments be delivered to TEP by November 27, 2010. Please see the attached Public Notice Affidavit.

Attachment 6.

TEP contacted the Kill Devil Hills Historic Commission, Roanoke Island Historical Society, and the Outer Banks Preservation Commission on October 20, 2010 requesting any comments they may have regarding the proposed undertaking within 30 days of receipt of the correspondence.

Attachment 7.

- a. The geographic area, scale and nature of the undertaking and subsequent effects of the proposed project were analyzed to determine the APE for direct effects. The determined APE for direct effects is the proposed tower compound lease area, access easement, and the proposed utility easement. The proposed tower compound will be located entirely within a maintained grass lawn that had recently been graded, backfilled, and compacted with buildable soils for the construction of the existing Dare County Wastewater Treatment facility. The proposed access and utilities easement will utilize an existing gravel drive which proceeds east from US Highway 264 approximately 260-ft before reaching the proposed North Carolina Highway Patrol lease area. The proposed area of construction associated with the aforementioned North Carolina Highway Patrol and County of Dare emergency services communications facility is anticipated to total approximately 1,400 - sq. ft. (0.03 – acres). See attached Construction Drawings.
- b. The geographic area, scale and nature of the undertaking and subsequent effects of the proposed project were analyzed to determine the APE for visual effects. Further, required background research and suggested standards by the North Carolina-State Historic Preservation Office and the FCC Nationwide Programmatic Agreement were reviewed to determine the APE for visual effects for the proposed project. The APE for visual effects is determined to be a 0.75 mile radius from the proposed 350-ft (360-ft with appurtenances) self-support emergency services tower centerline. The determined APE for visual effects is currently primarily occupied by undeveloped forested land uses associated with the Alligator River National Wildlife Refuge, municipal, and low density residential land uses

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

- a. No properties pursuant to Section VI.D.1.a. of the Nationwide PA were identified in the determined APE for visual effects. During the research conducted by Tower Engineering Professionals, Inc., no National Register Historic Structures, Sites,

Districts, Archaeological Sites or sites determined eligible for listing in the National Register were located within a 0.75-mile radius of the proposed tower location.

- b. As of 2/17/2011 TEP has not been made aware of any properties identified by comment in the determined APE for visual effects.
- c. No listed or eligible properties that are no longer eligible were identified in the determined APE for visual effects by TEP during the research conducted at the North Carolina State Historic Preservation Office.

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

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

Attachment 10. Effects on Identified Properties

- a. **No Effect** – No Historic Properties listed on or eligible for listing on the National Register of Historic Places were identified within the 0.75-mile visual APE or the Direct APE.
- b. None
- c. This site was the fourth candidate identified by the North Carolina Highway Patrol – Department of Crime Control and Public Safety, and the proposed self support emergency services tower will have no effect on Historic Properties since none were located within the identified 0.75 mile APE. All other additional candidates evaluated would have involved additional environmental impacts including wetland fill, potential visual impacts associated with historical properties, and encroachment within the Alligator River National Wildlife Refuge property.

Attachment 11. Photographs

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

Attachment 12. Maps

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



COUNTY OF DARE

Planning Department

P.O. Box 1000, Manteo, North Carolina 27954

Manteo: (252) 475-5870
KDH Satellite: (252) 475-5871
Buxton: (252) 475-5878

October 22, 2010

Kyle Crawford
Tower Environmental Professionals
3703 Junction Blvd
Raleigh, NC 27603-5263

Dear Mr. Crawford:

Thank you for the information on the proposed 350-ft communications tower to be located in Stumpy Point, NC. I have no comments on this proposed facility.

Sincerely,

Donna Creef
Planning Director

ENVIRONMENTAL SERVICES, INC.

524 S. NEW HOPE ROAD
RALEIGH, NORTH CAROLINA 27610
919-212-1760 • FAX 919-212-1707
www.environmentalservicesinc.com

18 October 2010

Kyle W. Crawford
Tower Engineering Professionals, Inc
3703 Junction Blvd.
Raleigh, NC 27603

Re: Stumpy Point Proposed Telecommunications Facility, Dare County, North Carolina
Review of Archaeological Potential

Dear Mr. Crawford:

Environmental Services, Inc. (ESI), reviewed the location of the proposed Stumpy Point telecommunications facility in Dare County, North Carolina, for Tower Engineering Professionals, Inc. (TEP) in order to assess the level of prior disturbance at the proposed tower location and to determine if the location had the potential to contain significant archaeological deposits.

The proposed tower is to be placed within an area that has been recently improved by Dare County for the construction of a water treatment plant. The area, which is mapped by the Natural Resource Conservation Service (NRCS) as Belhaven Muck, a very poorly drained soil, has been cleared, cut, and backfilled and compacted with buildable soils. The proposed tower will be placed within the southeastern corner of the cleared and filled area. Site preparation and construction activities related to construction of the water treatment plant have negatively affected the integrity of the soils at the proposed tower location. **Figures 1 and 2** show the project location and current plans for the proposed tower, and **Photos 1-5** show various views of the proposed tower location.

Based on this information, it is ESI's professional opinion that the location of the proposed Stumpy Point telecommunications facility has been disturbed by previous construction associated with the water treatment plan 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.



Scott Seibel, RPA

Assistant Vice President

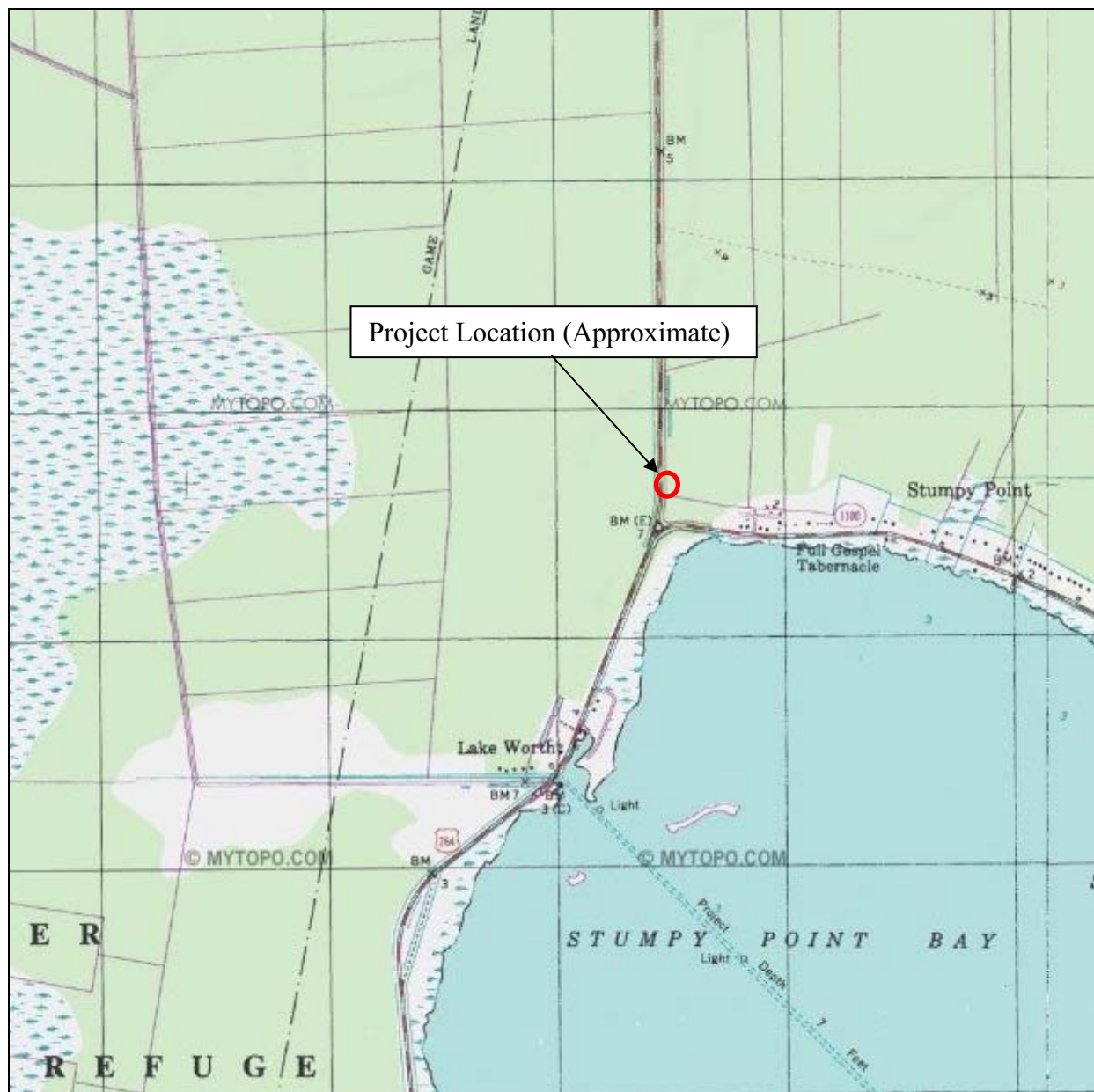


Figure 1: Project Location (Engelhard, NC USGS 7.5-minute quadrangle).

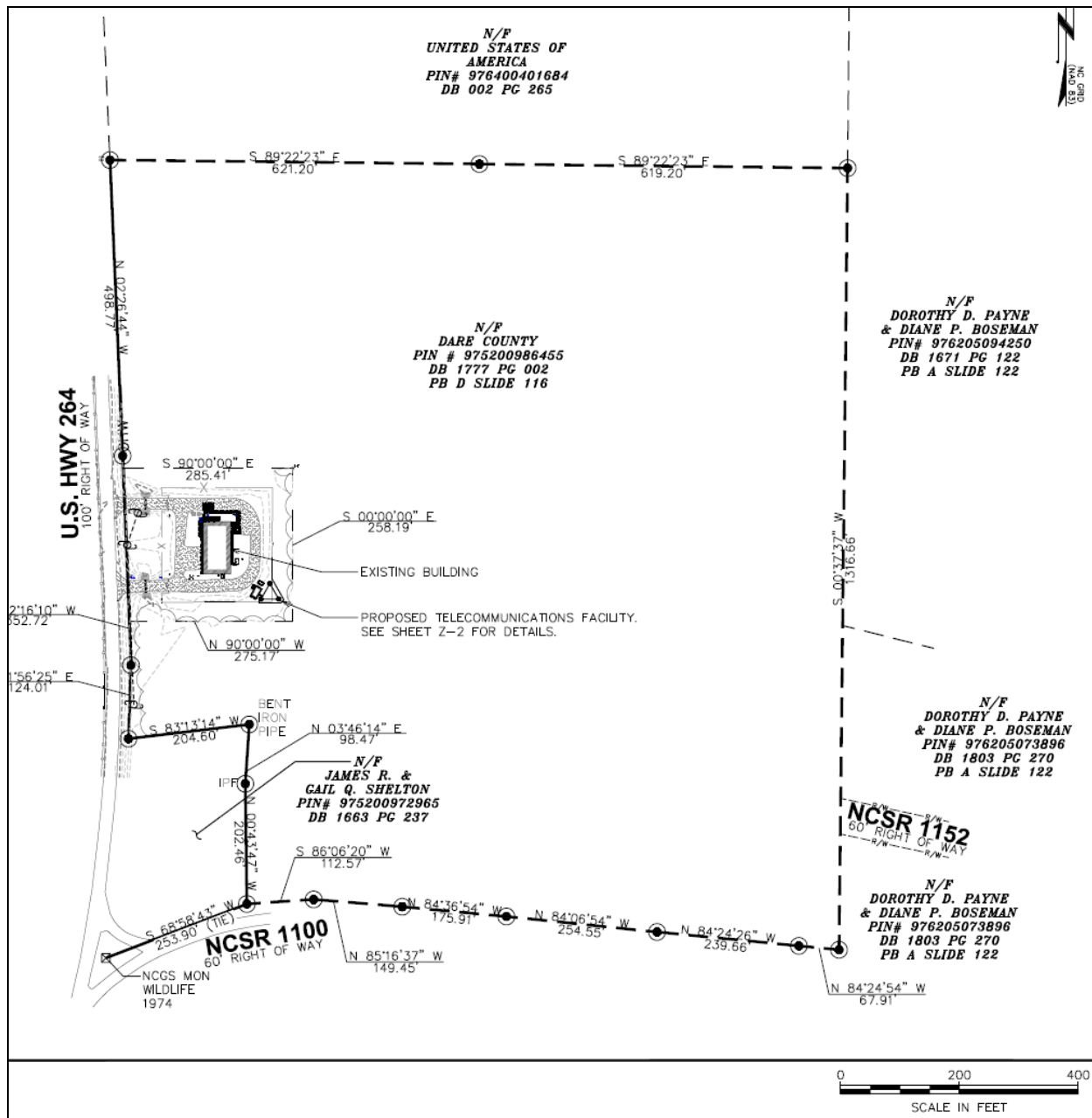


Figure 2: Proposed Plan.



1. View from US 264 facing east towards proposed tower site.



2. View facing south towards proposed tower location. Fence to be removed and extended within maintained grass lawn.



3. View from proposed tower site facing north.



4. View from proposed tower site facing northwest towards existing wastewater treatment facility.



5. View from proposed tower site facing west towards US 264.



ENVIRONMENTAL SERVICES, INC.

Scott Seibel/Assistant Vice President & Archaeology Division Manager

Education Level:

M.S. Archaeomaterials
The University of Sheffield.
1997

B.A. Archaeological
Studies

The University of Texas at
Austin. 1996

Years Experience:

13

ESI Office:

Raleigh

PROFESSIONAL EXPERIENCE SUMMARY

Mr. Seibel is a registered professional archaeologist with over nine years experience in cultural resource management and academic archaeology. Previous cultural resource management projects include the preparation of environmental assessments, Phase I archaeological surveys, Phase II archaeological test investigations, and Phase III data recovery excavations for clients such as Departments of Transportation, the U.S. Forest Service, and municipal governments, as well as various private companies. As Archaeology Division Manager, Mr. Seibel oversees archaeological field crews, laboratory staff, and research staff, in addition to the authoring of final reports. He is heavily involved with client and regulatory agency coordination. Mr. Seibel is experienced in both prehistoric and historic archaeology, with specific expertise in lithics.

RESPONSIBILITIES WITH ENVIRONMENTAL SERVICES, INC.

Responsible for all phases of project management and development in North Carolina, South Carolina, Georgia, Tennessee, and Virginia. Specialties include Phase I archaeological surveys, Phase II archaeological significance testing, Phase III archaeological data recovery, report writing, coordination with State Historic Preservation Offices and other regulatory agencies, preparation of National Environmental Policy Act documents, and historic planning.

PRIOR EXPERIENCE

1999-Present: ENVIRONMENTAL SERVICES, INC.

1997-1999: HICKS & COMPANY, INC.

1995-1996: INSTITUTE OF CLASSICAL ARCHAEOLOGY.

PROFESSIONAL AFFILIATIONS

Registered Professional Archaeologist (RPA)

Society for American Archaeology

Southeastern Archaeological Conference

North Carolina Archaeological Council

North Carolina Archaeological Society – Board of Directors

PROJECT EXPERIENCEPhase I Survey/Phase II Testing

Phase II Testing, Sandy Point, Chowan County, North Carolina

Phase I Survey, Honey Hill Analysis Area, Francis Marion National Forest, Berkeley and Charleston counties, South Carolina

Phase I Survey, Butterfly Analysis Area #2, Francis Marion National Forest, Berkeley and Charleston counties, South Carolina

Phase I Survey, Bay Harbor, Pamlico County, North Carolina

Phase I Survey and Phase II Testing, Wendell Falls, Wake County, North Carolina

Phase I Survey and Phase II Testing, Riversound, Chowan County, North Carolina
Phase I Survey and Phase II Testing, Bethel Creek, Perquimans County, North Carolina
Phase I Survey, Helmsdale, New Hanover County, North Carolina
Phase I Survey, New River Landing, Onslow County, North Carolina
Phase I Survey and Phase II Testing, Briar Chapel, Chatham County, North Carolina
Phase I Survey, Eden Moor, Lancaster County, South Carolina
Phase I Survey, White Oak Flats, Sevier County, Tennessee
Phase I Survey, Northside Hospital, Fulton County, Georgia
Phase I Survey, Old Mountain Road, Davidson County, North Carolina
Phase I Survey, Arlington Shores, Pamlico County, North Carolina
Phase I Survey and Architectural Reconnaissance, Smith Communications Tower, Spartanburg County, South Carolina
Phase II Testing of 31CM63/63**, Camden County, North Carolina
Phase I Survey and Architectural Reconnaissance, Bailey Communications Tower, Nottoway County, Virginia
Phase I Survey and Phase II Testing, US 64 Asheboro Bypass, Randolph County, North Carolina
Phase I Survey of Eagle Fork Timber Sale, Jackson County, North Carolina
Phase I Survey and Architectural Reconnaissance, Petska Communications Tower, New Kent County, Virginia
Phase I Survey of the West Jefferson Substation, Ashe County, North Carolina
Phase I Survey and Architectural Reconnaissance, Pennell Communications Tower, Dinwiddie County, Virginia
Phase I Survey and Architectural Reconnaissance, Havens Communications Tower, Carroll County, Virginia
Phase I Survey and Architectural Reconnaissance, Downey Communications Tower, Alleghany County, Virginia
Architectural Documentation, Vest Communications Tower, Rockbridge County, Virginia
Phase I Survey of the Dogwood Land Water and Sewer Extensions, Mitchell County, North Carolina
Phase IA Underwater Archaeological Survey, US 17 Washington Bypass, Beaufort County, North Carolina
Phase II Testing of 31CD755, Averette Borrow Pit, Cumberland County, North Carolina
Phase I Survey of the Fairview Park Expansion, Orange County, North Carolina
Phase I Survey of Bridge No. 44, Avery County, North Carolina
Phase I Survey of Bridge No. 37, McDowell County, North Carolina
Phase I Survey and Phase II Testing of Bridge No. 718, Wilkes County, North Carolina
Phase I Survey of Ford's Colony, Nash County, North Carolina
Phase I Survey and Phase II Testing at the Greene County Park, Greene County, North Carolina
Phase I Survey of Bridge 60, Stokes County, North Carolina
Phase I Survey of Bridge No. 21, Davie County, North Carolina
Phase I Survey of the K&M Landfill, Pickens and Gilmer Counties, Georgia
Phase I Survey and Phase II Testing at Happy Hill, Forsyth County, North Carolina
Phase I Survey of SR 1001, Caldwell County, North Carolina
Phase I Survey of the ENCNG Pipeline Phase VIIB, Currituck and Dare Counties, North Carolina

Phase I Survey of Tillery Tradition, Montgomery County, North Carolina
Phase I survey of the Skeen and Hassell Properties, Davidson County, North Carolina
Phase I Survey and Phase II Testing of the US 17 Washington Bypass, Beaufort County, North Carolina
Phase I Survey and Phase II Testing of Sloop Point, Pender County, North Carolina
Phase I Survey of the ENCNG Pipeline Phase V, Washington and Tyrrell Counties, North Carolina
Phase I Survey of Bridge No, 125, Cumberland County, North Carolina
Phase I Survey of the ENCNG Pipeline Phase IIIB, Jones, Craven, and Carteret Counties, North Carolina
Phase I Survey of the Lee-Mt. Olive-Clinton 230 kV Line, Wayne, Duplin, and Sampson Counties, North Carolina
Phase I Survey of the Philips Tract Mitigation Area, Madison County, North Carolina
Phase I Survey of the ENCNG Pipeline Phase IVB, Onslow, Duplin, and Pender Counties, North Carolina
Phase I Survey of the Cleveland County Municipal Landfill Expansion, Cleveland County, North Carolina
Phase I Survey and Phase II Testing of 31MR28/28** and 31LE62/62**, Peele and Weimer Pits, Moore and Lee Counties, North Carolina
Phase I Survey of Tessentee Creek, Macon County, North Carolina
Phase I Survey of the ENCNG Pipeline Phase IVA, Pender and New Hanover Counties, North Carolina
Phase II Testing of 31DV24, Davidson County, North Carolina
Phase I Survey of the ENCNG Pipeline Phase IIIA, Pitt, Beaufort, Craven, Pamlico, Jones, and Onslow Counties, North Carolina
Phase II Testing, Austin Convention Center Expansion Project, Travis County, Texas

Phase III Data Recovery

Phase III Data Recovery of 31CO167/167**, Riversound, Chowan County, North Carolina
Phase III Data Recovery of 38LA560, Edenmoor, Lancaster County, South Carolina
Phase III Data Recovery of 9BI132, 9BI133, and 9BI134, Cherokee Brick and Tile Company, Bibb County, Georgia
Phase III Data Recovery of the Windsor Site (31BR201/201**), US 17 Windsor Bypass, Bertie County, North Carolina
Phase III Data Recovery of the Pierce-Harden Site (31BR192/192**), US 17 Windsor Bypass, Bertie County, North Carolina
Phase III Data Recovery of 31WA1595/1595**, Midway Plantation, Wake County, North Carolina
Phase III Data Recovery of 31PR92, Two Dogs, Person County, North Carolina
Phase III Data Recovery of 31WY366/366**, 31WY470/470**, and 31SP373, Wayne and Sampson Counties, North Carolina
Phase III Data Recovery of 41TV441 (Toyah Bluff), Travis County, Texas

Cemetery Investigations

Cemetery Delineation and Interment Identification, Riverchase, Lancaster County, South Carolina
Cemetery Delineation, Ballyntyne Commons, Mecklenburg County, North Carolina
Cemetery Delineation, Durham Public Schools, Durham County, North Carolina
Cemetery Delineation and Architectural Survey for the Fayetteville Road Widening and Penmarc Drive Extension, Wake County, North Carolina

Other Projects

North Carolina Department of Transportation Archaeological Predictive Modeling Project – Task 2, Cabarrus, Chatham, Forsyth, Granville, Guilford, Randolph, and Wake Counties, North Carolina

North Carolina Department of Transportation Archaeological Predictive Modeling Project – Task 1, Cabarrus, Chatham, Forsyth, Granville, Guilford, Randolph, and Wake Counties, North Carolina

PUBLICATIONS

SELECTED TECHNICAL REPORTS

2008 Seibel, Scott, and Terri Russ. Data Recovery Excavation at the Windsor Site (31BR201/201**), US 17 Windsor Bypass, Bertie County, North Carolina. Environmental Services, Inc. Report of Investigations No.1254, Raleigh, North Carolina.

Seibel, Scott, Kate Pattison, and John Cable. Intensive Archaeological Survey. Honey Hill Analysis Area, Francis Marion National Forest, Berkeley and Charleston counties, South Carolina. Environmental Services, Inc. Report of Investigations No.1300, Raleigh, North Carolina.

2007 Seibel, Scott, and Matthew Postlewaite. Data Recovery Excavation at the Pierce-Harden Site (31BR192/192**), US 17 Windsor Bypass, Bertie County, North Carolina. Environmental Services, Inc. Report of Investigations No.1124, Raleigh, North Carolina.

2006 Seibel, Scott. Data Recovery of the Two Dogs Site (31PR92): A Prehistoric Dacite Quarry in Person County, North Carolina. Environmental Services, Inc. Report of Investigations No. 885, Raleigh, North Carolina.

Seibel, Scott, Karl Anderson, Matthew Postlewaite, and Terri Russ. Intensive Archaeological Survey and Evaluation of Asheboro Southern Bypass, Randolph County, North Carolina. Environmental Services, Inc. Report of Investigations No. 884, Raleigh, North Carolina.

2005 Seibel, Scott. Data Recovery Investigations at Midway Plantation (31WA1595/1595**), Wake County, North Carolina. Environmental Services, Inc. Report of Investigations No. 813, Raleigh, North Carolina.

Arbuthnot, Michael, Scott Seibel, Chris Gibson, and Terri Russ. An Underwater Archaeological Survey of the Preferred Corridor Crossing of the Tar River: US 17 Washington Bypass, Beaufort County, North Carolina. Environmental Services, Inc. Report of Investigations No. 693, Raleigh, North Carolina.

2004 Di Gregorio, Giampaolo, Scott Seibel, and Greg C. Smith. Limited Mitigation Excavations at Sites 31WY366/366**, 31WY470/470**, and 31SP373, Lee-Mt. Olive-Clinton 230kV Transmission Line, Wayne and Sampson Counties, North Carolina. Environmental Services, Inc. Report of Investigations No. 511, Raleigh, North Carolina.

- 2003 Madry, Scott, and Scott Seibel (Compilers). North Carolina Archaeological Predictive Modeling Project: Results of Task 1. Cabarrus, Chatham, Forsyth, Granville, Guilford, Randolph, and Wake Counties. Environmental Services, Inc. Report of Investigations No. 416, ESI North Carolina Archaeological Predictive Modeling Project Report No. 1, Raleigh, North Carolina.
- 2002 Seibel, Scott, Greg C. Smith, and Giampaolo Di Gregorio. A Cultural Resource Assessment Survey for the Proposed US 17 Windsor Bypass – Bertie County, North Carolina. Environmental Services, Inc. Report of Investigations No. 274, Raleigh, North Carolina. For North Carolina Department of Transportation.
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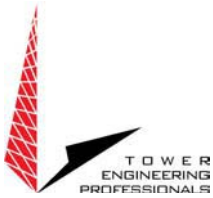
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- 2006 Seibel, Scott. Archaeology Predictive Modeling. Government Engineering. September-October (35-37).
- 2004 Madry Scott, Greg Smith, Scott Seibel, Ben Resnick, Matt Cole, and Steve Gould. “Development of a State-wide Archaeological Predictive Model for the North Carolina Department of Transportation and Computerized Archaeological Database for the NC Office of State Archaeology.” In Branting, Scott, ed. Analyzing Space in Time: New Directions for GIS in Archaeology. Archaeopress, Oxford, United Kingdom.
- 1998 Ottaway, Barbara and Scott Seibel. Dust in the Wind: Experimental Casting of Bronze in Sand Moulds. Instrumentum 5: Paleometallurgie des cuivres:59-63.

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- 2001 Seibel, Scott. Archaeology as Environmental Science. North Carolina Association of Environmental Professionals Newsletter Spring:3.

CONFERENCE PRESENTATIONS

- 2007 Seibel, Scott, and Paul Mohler. The Pierce-Harden Site: Post-War Tenancy in the North Carolina Coastal Plain. Paper presented at the 64th Annual Meeting of the Southeastern Archaeological Conference.
- 2005 Madry, Scott, Matt Cole, and Scott Seibel. Poster presented at the 62nd Annual Meeting of the Southeastern Archaeological Conference.
- 2003 Resnick, Ben, and Scott Seibel. GIS and Predictive Modeling: Identifying North Carolina's Historic Archaeological Resources. Paper presented at the 60th Annual Meeting of the Southeastern Archaeological Conference.
- 1998 Eccleston, Mark, B.S. Ottaway, Maria Scordara, Scott Seibel, and Nathaniel Steven. Metallographic Examination of Sand Cast Copper and Bronze. Paper presented at the 31st International Symposium on Archaeometry. Budapest, Hungary.



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 ~750+/- Phase I Environmental Site Assessments (ESA) throughout the southeastern United States (NC, SC, GA, FL, VA, TN, KY).
- Managed the completion of ~750+/- 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 ~25+/- Phases II ESA's for Communications towers in the southeastern United States.
- Managed the completion of ~25 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

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 SEPTEMBER 28, 2010.
4. SUBJECT PIN: 975200986455
5. PROPERTY OWNER:
DARE COUNTY

FLOOD NOTES:

1. NO CONSTRUCTION, DEVELOPMENT, OR STORAGE OF MATERIALS SHALL BE ALLOWED BELOW THE 100 YEAR FLOODPLAIN ELEVATION OF 4.0' AMSL.
2. THIS PROPERTY IS LOCATED IN FLOOD ZONE AE, AREAS OF 1% ANNUAL CHANCE FLOOD. THIS IS THE FLOOD THAT HAS A 1% CHANCE OF EQUALING OR EXCEEDING THE 100 YEAR FLOOD IN A GIVEN YEAR. BASE FLOOD ELEVATIONS HAVE BEEN DETERMINED. (FEMA/FIRM MAP PANEL NUMBER 3720974200U, DATED SEPTEMBER 20, 2006). BASE FLOOD ELEVATION DETERMINED TO BE 4.0' AMSL. ALL PROPOSED STRUCTURES ARE TO BE ABOVE 6.0' AMSL. SEE SUBSEQUENT CONSTRUCTION DRAWINGS FOR ELEVATIONS.
3. DEVELOPMENT WHICH WILL TAKE PLACE WITHIN THE LIMITS OF THE 100 YEAR FLOODPLAIN AT ELEVATION 6.0' AMSL IS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF EXECUTIVE ORDER NO. 123 - UNIFORM FLOODPLAIN MANAGEMENT POLICY.

LEGEND

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

SITE PLAN

SCALE: 1" = 200'

WATER SUPPLY NOTE:

THE APPROVED WATER SUPPLY PER SECTION 508.1 OF THE NC FIRE CODE IS SATISFIED BY THE EXISTING FIRE HYDRANT LOCATED ON THE ACCESS DRIVE ALONG US 264 AND SHOWN ON THIS PLAN. THE DISTANCE BETWEEN THE HYDRANT AND THE MAXIMUM DISTANCE ALLOWED PER SECTION 508.5.

N/F
UNITED STATES OF
AMERICA
PIN# 976400401684
DB 002 PC 265

N/F
DARE COUNTY
PIN # 975200986455
DB 1777 PC 002
PB D SLIDE 116




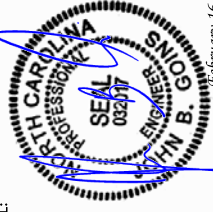
N/F
DOROTHY D. PAYNE
&
DIANE P. BOSEMAN
PIN# 976205073896
DB 1803 PC 270
PB A SLIDE 122

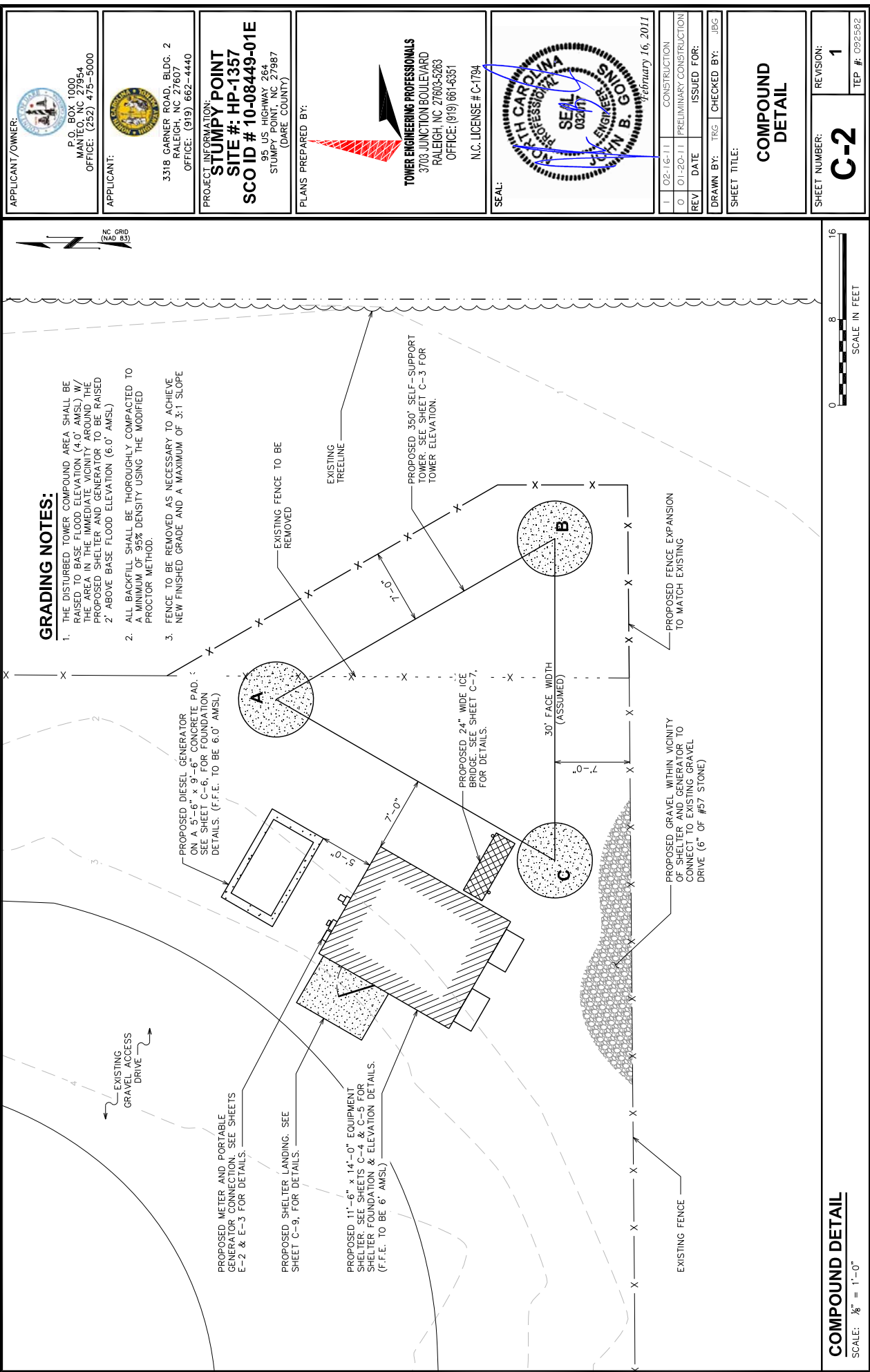
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&
DIANE P. BOSEMAN
PIN# 976205073896
DB 1803 PC 270
PB A SLIDE 122




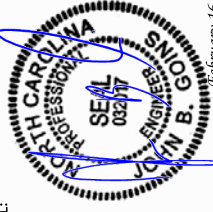
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DOROTHY D. PAYNE
&
DIANE P. BOSEMAN
PIN# 976205073896
DB 1803 PC 270
PB A SLIDE 122

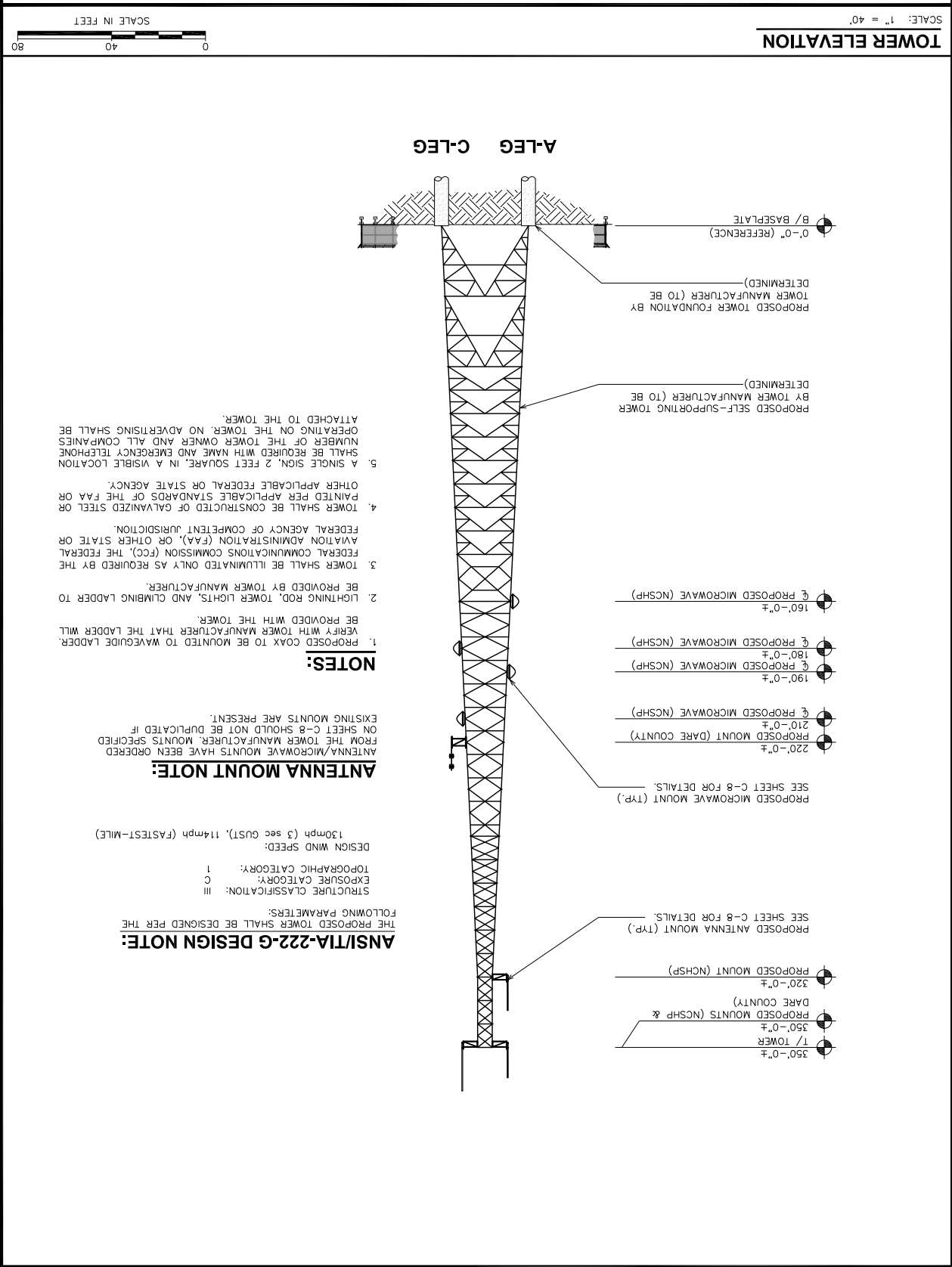
NCSR 1152
60' RIGHT OF WAY

NCSR 1100
60' RIGHT OF WAY
NCS MON
WILDLIFE
1974

APPLICANT/OWNER:  P.O. BOX 1000 MAYFIELD, NC 27854 OFFICE: (252) 478-5000	APPLICANT:  3318 GARNER ROAD, BLDG. 2 RALEIGH, NC 27607 OFFICE: (919) 662-4440	PROJECT INFORMATION: STUMPY POINT SITE #: HP-1357 SCOID # 10-08449-01E 95 US HIGHWAY 264 STUMPY POINT, NC 27987 (DARE COUNTY)	PLANS PREPARED BY:  TOWER ENGINEERING PROFESSIONALS 3703 JUNCTION BOULEVARD RALEIGH, NC 27803-5263 OFFICE: (919) 861-6351 N.C. LICENSE # C-1794	SEAL:  February 16, 2011	CONSTRUCTION 01-20-11 PRELIMINARY CONSTRUCTION REV DATE ISSUED FOR: DRAWN BY: TRG CHECKED BY: JBG SHEET TITLE: SITE PLAN	SHEET NUMBER: C-1 REVISION: 1 TEP #: 082562
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APPLICANT/OWNER:  P.O. BOX 1000 MAYFORD, NC 27954 OFFICE: (252) 475-5000	APPLICANT:  3318 GARNER ROAD, BLDG. 2 RALEIGH, NC 27607 OFFICE: (919) 662-4440	PROJECT INFORMATION: STUMPY POINT SITE #: HP-1357 SCO ID # 10-08449-01E 95 US HIGHWAY 264 STUMPY POINT, NC 27987 (DARE COUNTY)	PLANS PREPARED BY:  TOWER ENGINEERING PROFESSIONALS 3703 JUNCTION BOULEVARD RALEIGH, NC 27603-5263 OFFICE: (919) 661-6351 N.C. LICENSE # C-1794	SEAL:  February 16, 2011	<table><tr><td>1</td><td>02-16-11</td><td>CONSTRUCTION</td></tr><tr><td>0</td><td>01-20-11</td><td>PRELIMINARY CONSTRUCTION</td></tr><tr><td>REV</td><td>DATE</td><td>ISSUED FOR:</td></tr><tr><td colspan="3">DRAWN BY: TRG</td></tr><tr><td colspan="3">CHECKED BY: JBG</td></tr></table>	1	02-16-11	CONSTRUCTION	0	01-20-11	PRELIMINARY CONSTRUCTION	REV	DATE	ISSUED FOR:	DRAWN BY: TRG			CHECKED BY: JBG			SHEET TITLE: TOWER ELEVATION	<table><tr><td>SHEET NUMBER: C-3</td><td>REVISION: 1</td></tr><tr><td colspan="2">TEP #: 082562</td></tr></table>	SHEET NUMBER: C-3	REVISION: 1	TEP #: 082562	
1	02-16-11	CONSTRUCTION																								
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CHECKED BY: JBG																										
SHEET NUMBER: C-3	REVISION: 1																									
TEP #: 082562																										



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Tower Construction Notification

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Tower Construction Notification New Notification

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Your Notification has been successfully submitted to the FCC. The date for this Notification is 10/14/2010. Your Notification ID number is **69257**. 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
[Submit Help Request](#)

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

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Thursday, October 14, 2010 2:03 PM
To: Kyle Crawford
Subject: Proposed Tower Structure Info - Email ID #2622695

Dear Kyle W Crawford,

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

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

Notification Received: 10/14/2010

Notification ID: 69257

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

Consultant Name: Kyle W Crawford

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 35 deg 42 min 30.2 sec N

Longitude: 75 deg 46 min 2.8 sec W

Location Description: Highway 264

City: Stumpy Point

State: NORTH CAROLINA

County: DARE

Ground Elevation: 0.6 meters

Support Structure: 106.7 meters above ground level

Overall Structure: 109.7 meters above ground level

Overall Height AMSL: 110.3 meters above mean sea level

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, October 22, 2010 3:01 AM
To: Kyle Crawford
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2625156

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. Archaeological Data Analyst Jennifer L Pietarila - Seminole Tribe of Florida - Clewiston, FL - electronic mail
Details: The Seminole Tribe of Florida Tribal Historic Preservation Office requests that all correspondence be conducted via email and email attachments. We also would like to request a Form 620 or 621 be provided for every cell tower submitted to us for review. Should you have any questions, please feel free to contact me at jenniferpietarila@semtribe.com or 863-983-6549 Ext. 12217. Thank you.

3. Policy Analyst Richard L Allen - Cherokee Nation - Tahlequah, OK - electronic mail
Details: The TCNS Details do not provide me enough information to conduct a proper assessment of the projects on behalf of the Cherokee Nation. Therefore, I request that I be sent a brief summary of the Phase I findings [please try to limit the summary to between 1--10 pages], a topo of the area, and relevant photos. Please send these by email to rallen@cherokee.org. Please treat this request for additional material as a routine supplement to the TCNS Details Notification for each of your projects that fall within our Tribe's areas of geographic interest. Consequently, if you do not receive a response from me within 30 days from the date on which you e-mailed the supplemental items to me, you may move forward with the 20-Day Letter procedures pursuant to the FCC's guidelines. Thank you. -- Dr. Richard L. Allen

4. 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))

5. 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.

6. THPO and 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 projectarea.
- _____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 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.

7. Environmental Review Coordinator Renee GledhillEarley - NC State Historic Preservation Office - Raleigh, NC - electronic mail

8. 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: 10/14/2010
Notification ID: 69257
Tower Owner Individual or Entity Name: TEP for Dare County and the North Carolina Highway Patrol
Consultant Name: Kyle W Crawford
Street Address: 3703 Junction Blvd.
City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-5263
Phone: 919-661-6351
Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 35 deg 42 min 30.2 sec N
Longitude: 75 deg 46 min 2.8 sec W
Location Description: Highway 264
City: Stumpy Point
State: NORTH CAROLINA
County: DARE
Ground Elevation: 0.6 meters
Support Structure: 106.7 meters above ground level
Overall Structure: 109.7 meters above ground level
Overall Height AMSL: 110.3 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

Legal Notices

CL

Public Notice: The North Carolina Department of Crime Control and Public Safety proposes the construction of a 350-ft AGL (360-ft AGL with appurtenances) Self-support Emergency Services Tower east of US 264, north of Bayview Drive, in Stumpy Point, NC (PIN# 975200986455). Please submit any written comments by 11/27/10 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.

MENT

STATE OF NORTH CAROLINA

COUNTY OF DARE

AFFIDAVIT OF PUBLICATION

Before the undersigned, a Notary Public of said county and state, duly commissioned, qualified, and authorized by law to administer oaths, personally

appeared Chris Jensen

who, being first duly sworn, deposes and says: that he (she) is Sales Manager of the Outer Banks Sentinel, a newspaper published, issued, and entered as periodical class mail in the City of Nags Head in said County and State; that he (she) is authorized to make this affidavit and sworn statement; that the notice or other legal advertisement, a true copy of which is attached hereto, was published in the Outer Banks Sentinel on the following dates:

October 27, 2010

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

This 28th day of October 20 10

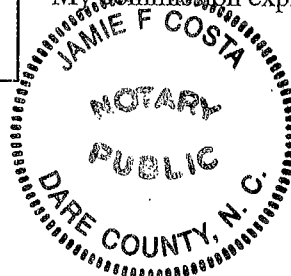
[Signature]
(Signature of person making affidavit)

Sworn to and subscribed before me, this

28th day of October 20 10

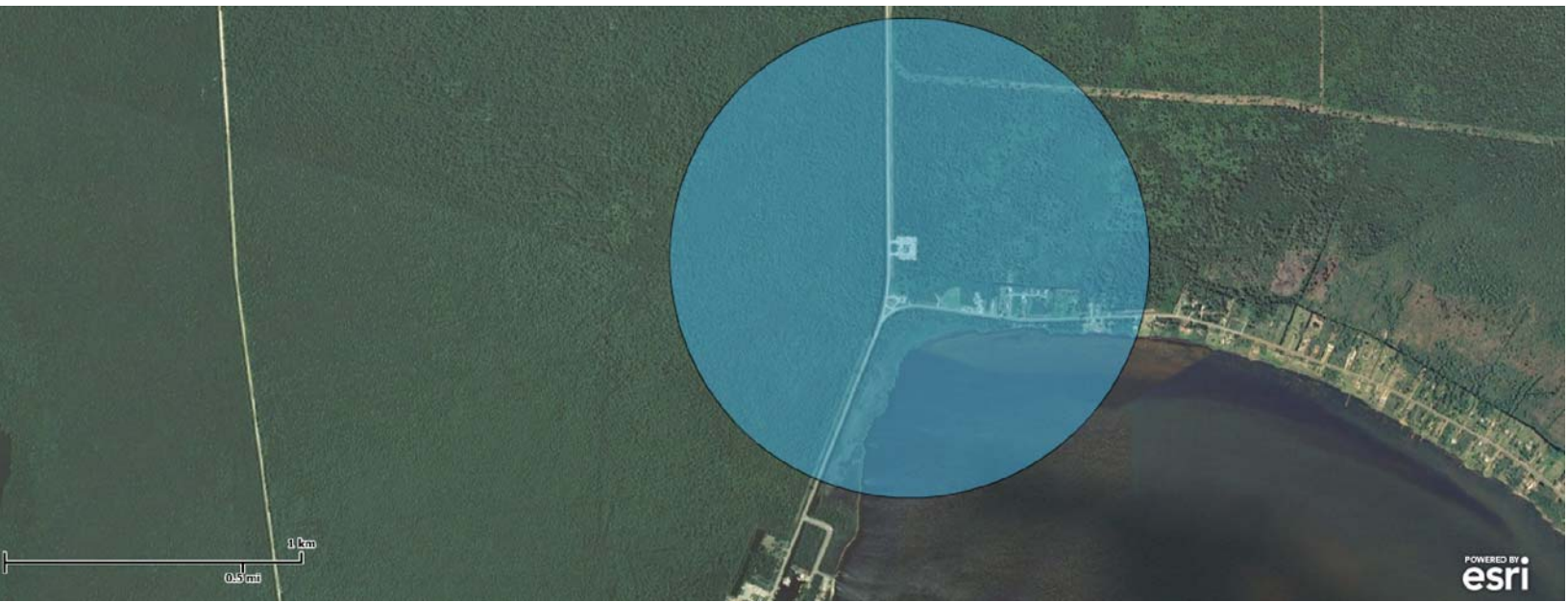
[Signature]
Notary Public

My commission expires 4/9/2011



OCT 30 2010

Stumpy Point SHPO Map



Copyright 2010 Esri. All rights reserved. Thu Feb 17 2011 03:48:07 PM.

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

CT10-1966

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-1357
Address: US 264, Stumpy Point
County: Dare, NC FCC Registration No. _____
Tower type and height: 350-ft SST tower, 360-ft with Quad Name: Engelhard NE
appurtenances

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: _____
No Quad Mapped

IV. Additional Information/Investigation Needed:

NO Survey
NO Testing of sites _____
Recommended by/on: [Signature] 10/19/10
(Office of State Archaeology)

_____ Photo Reconnaissance
_____ Balloon Test

Recommended by/on: [Signature]
(Survey & Planning Branch)

V. Recommendations/Final Determination:

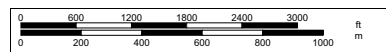
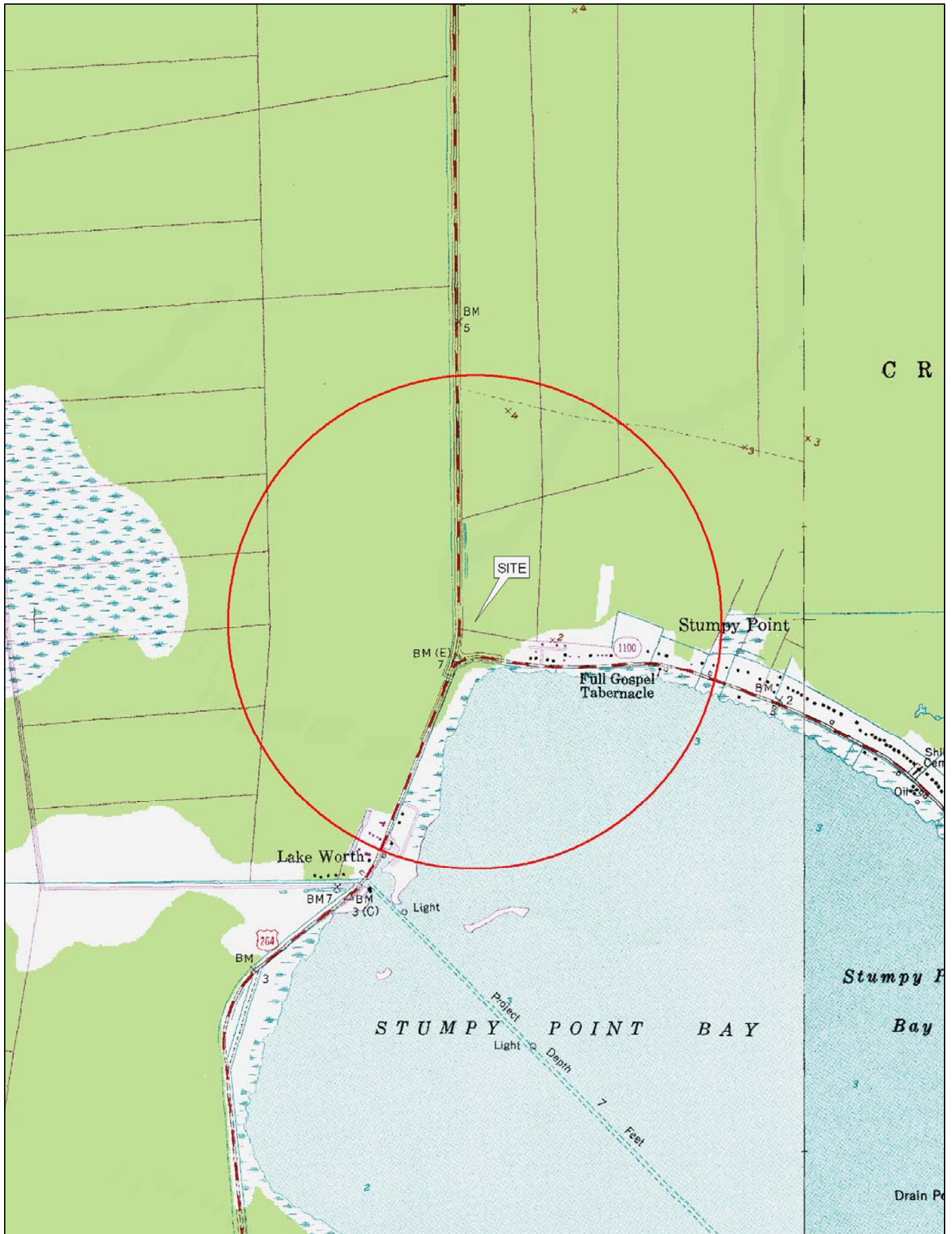
Recommendations for additional work are shown above.
☒ The proposed communication tower will NOT affect historic properties in the area of potential effect.

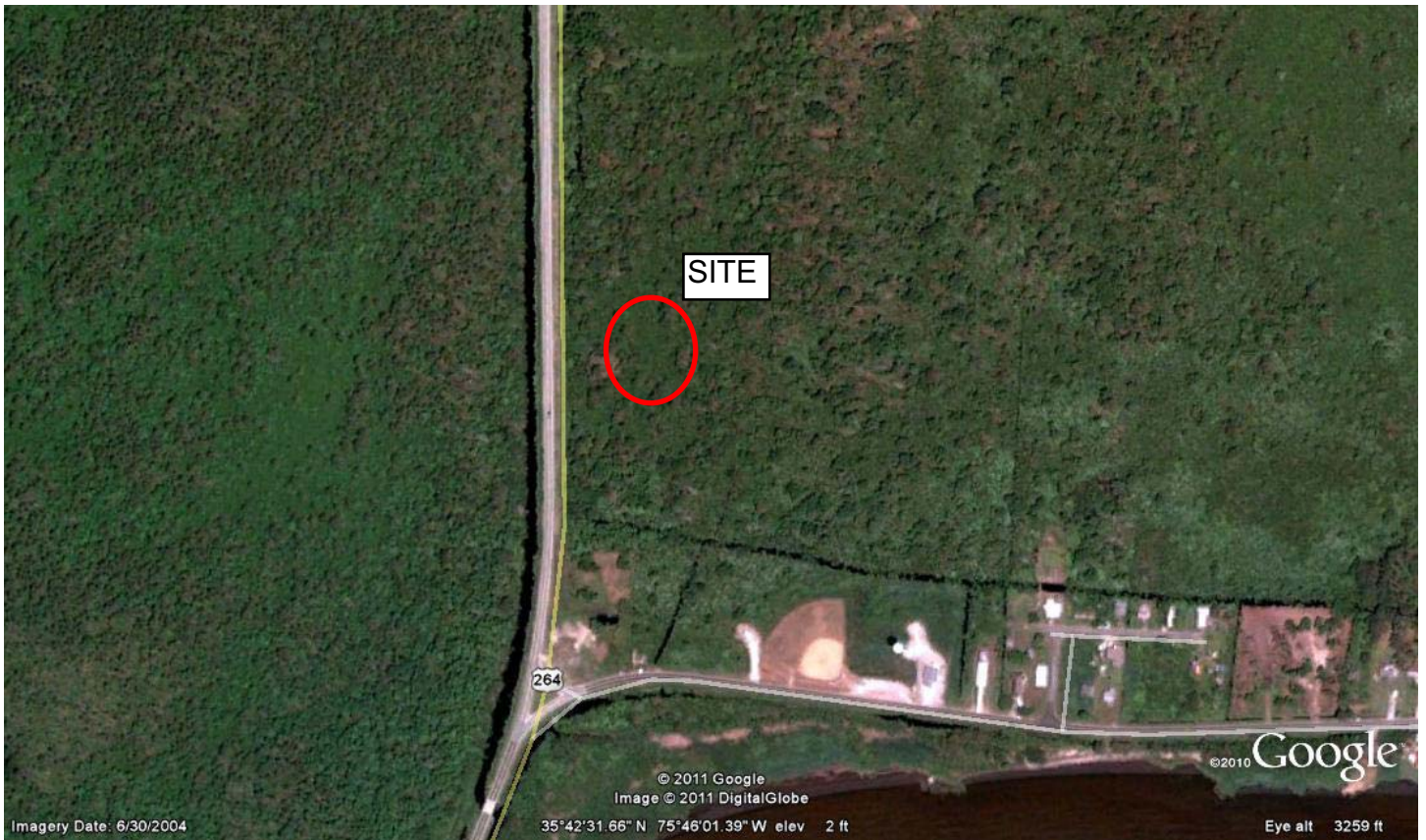
Renee Gledhill-Earley
Renee Gledhill-Earley, Environmental Review Coordinator

10/19/10
Date

cc: FCC

February, 2001





Imagery Date: 6/30/2004

© 2011 Google
Image © 2011 DigitalGlobe
35°42'31.66" N 75°46'01.39" W elev 2 ft

©2010 Google
Eye alt 3259 ft



© 2010 Google
© USFWS
© 2011 Google

© 2010 Google

35°42'30.33" N 75°46'04.81" W elev 12 ft

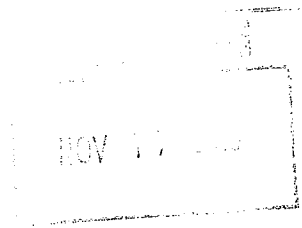
Eye alt 13 ft



United States Department of the Interior

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

November 12, 2010



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

RE: Construction of 350ft Self Support Communications Tower, Dare County
(Stumpy Point)

Dear Mr. Crawford:

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

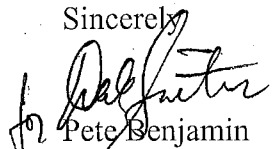
Based on the description of the tower design characteristics, we conclude that the design of the proposed communications tower does not minimize the potential hazard to avian species protected by the MBTA.

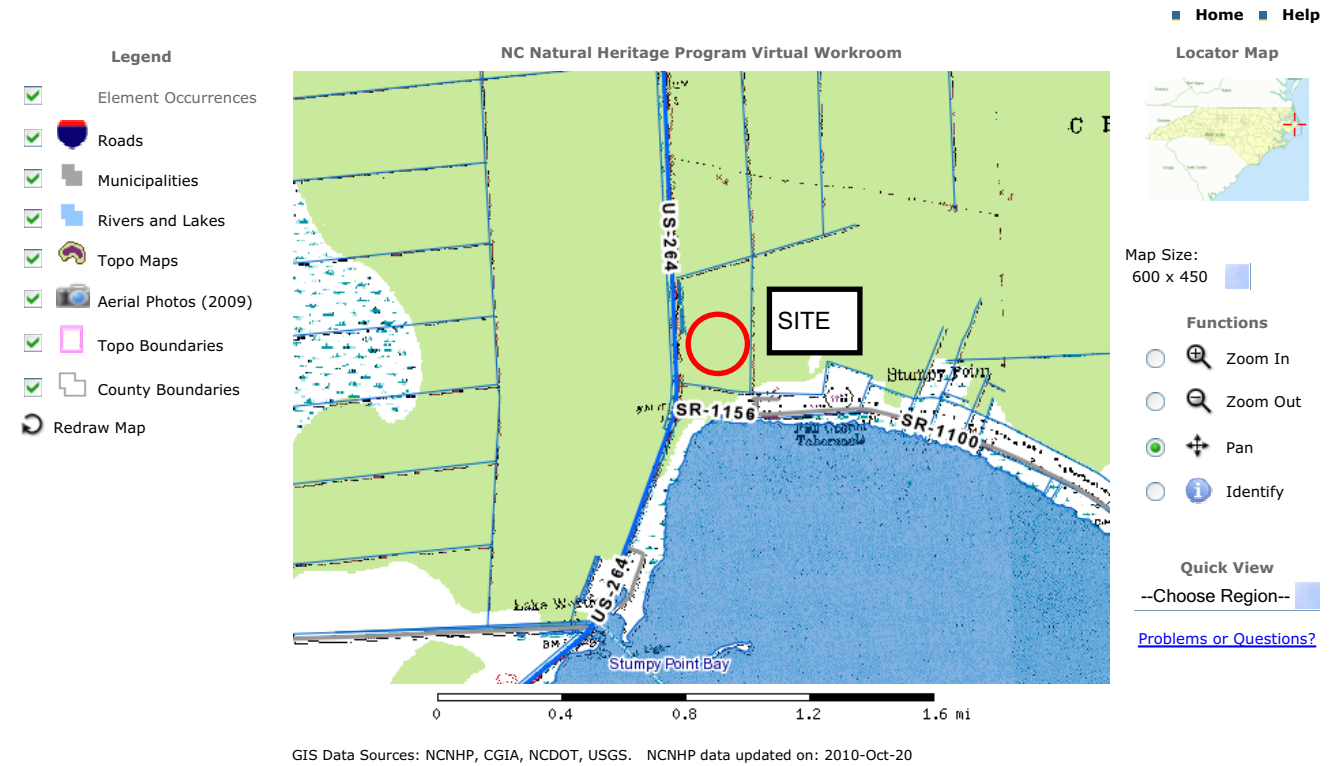
Endangered Species Act

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



Powered By: ■ MapServer ■ PHP ■ PostgreSQL ■ PostGIS

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

Scientific Name	EO Nb	Common Name	Date Last Observed	EO Rank	EO Accuracy	State Protection Status	Federal Protection Status	State Rank	Global Rank	Habitat Comments
Brackish marsh	9		2002-09-26	A				S5	G5	
Canis rufus	4	Red Wolf	2006	A?	Very Low	SR	E, XN	S1	G1Q	Swamps, pocosins, extensive forests
Colonial Wading Bird Colony	184		2007	B	Medium			S3	G5	
Egretta caerulea	32	Little Blue Heron	2007	C	Medium	SC		S3B,S3N	G5	Forests or thickets on maritime islands [breeding sites only]
Egretta thula	30	Snowy Egret	2007	D	Medium	SC		S3B,S3N	G5	Forests or thickets on maritime islands [breeding sites only]
Gelochelidon nilotica	4	Gull-billed Tern	1983	H	Medium	T		S2B	G5	Sand flats on maritime islands [breeding sites only]
Gull-Tern-Skimmer Colony	7	Colonial Waterbirds Nesting Site	1983	H	Low			S3	GNR	
Low pocosin	9		1994-11	A	Very Low			S2	G3	
Malaclemys terrapin terrapin	17	Northern Diamondback Terrapin	1906-PRE		Very Low	SC	FSC	S3	G4T4Q	Salt or brackish marshes, estuaries; northern half of the coast
Nerodia sipedon williamengelsi	23	Carolina Watersnake	1992	E	Very Low	SC		S3	G5T3	Salt or brackish marshes
Peltandra sagittifolia	17	Spoonflower		H	Low	SR-P		S2S3	G3G4	Pocosins, other wet, peaty sites
Pond pine woodland	70		1994-12	A	Very Low			S4	G4G5	
Pond pine woodland	106		2002-10-03	A				S4	G4G5	
Pond pine woodland	108		2002-09-26	A	Medium			S4	G4G5	
Regina rigida	17	Glossy Crayfish Snake		E	Very Low	SR		S2S3	G5	Marshes, cypress ponds, other wetlands

Rynchops niger	4	Black Skimmer	1983	H	Medium	SC		S3B,S3N	G5	Sand flats on maritime islands [breeding sites only]
Seminatrix pygaea	19	Black Swamp Snake		E	Very Low	SR		S2	G5	In lush vegetation of ponds, ditches, or sluggish streams
Seminatrix pygaea	21	Black Swamp Snake		E	Very Low	SR		S2	G5	In lush vegetation of ponds, ditches, or sluggish streams
Sorex sp. 1	1	an undescribed shrew	1997	E	Low	SR		S2	G2Q	Early succession fields, possibly low pocosins (endemic to eastern North Carolina)
Trichechus manatus	24	West Indian Manatee	1983-10-23	D	Very Low	E	E	S1N	G2	Warm waters of estuaries and river mouths
Vaccinium macrocarpon	31	Cranberry	1994-08-20	D	Medium	SR-P		S2	G4	Bogs, seeps, pocosins

U.S. Fish & Wildlife Service

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

Dare County, North Carolina



Updated: 04-01-2009

Critical Habitat Designations:

Piping plover - *Charadrius melodus* - Critical Habitat has changed. See Federal Register for a description of the primary constituent elements essential for the conservation of wintering piping plovers within the designated units.

Federal Register Reference: [October 21, 2008, Federal Register, 73:62816-62841.](#)

Common Name	Scientific name	Federal Status	Record Status
Vertebrate:			
American alligator	<i>Alligator mississippiensis</i>	T (S/A)	Current
American eel	<i>Anguilla rostrata</i>	FSC	Current
Bald eagle	<i>Haliaeetus leucocephalus</i>	BGPA	Current
Black rail	<i>Laterallus jamaicensis</i>	FSC	Current
Black-throated green warbler	<i>Dendroica virens waynei</i>	FSC	Current
Buxton Woods white-footed mouse	<i>Peromyscus leucopus</i> ssp. 1	FSC	Obscure
Green sea turtle	<i>Chelonia mydas</i>	T	Current
Hawksbill (=carey) sea turtle	<i>Eretmochelys imbricata</i>	E	Current
Kemp's (=Atlantic) ridley sea turtle	<i>Lepidochelys kempii</i>	E	Current
Leatherback sea turtle	<i>Dermochelys coriacea</i>	E	Current
Loggerhead sea turtle	<i>Caretta caretta</i>	T	Current
Northern diamondback terrapin	<i>Malaclemys terrapin terrapin</i>	FSC	Historic
Piping plover	<i>Charadrius melodus</i>	T	Current

Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC	Current
Red wolf	<i>Canis rufus</i>	E	Current
Red-cockaded woodpecker	<i>Picoides borealis</i>	E	Current
Roseate tern	<i>Sterna dougallii dougallii</i>	T	Current
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	E	Current
West Indian manatee	<i>Trichechus manatus</i>	E	Current

Invertebrate:**Vascular Plant:**

Dune blue curls	<i>Trichostema</i> sp. 1	FSC	Current
Seabeach amaranth	<i>Amaranthus pumilus</i>	T	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.

COMMUNICATIONS TOWER SITE
EVALUATION FORM

1. Location (Provide maps if possible):
State: NC
County: Dare
Latitude/Longitude/GPS Grid: N 35° 42' 30.2" W 75° 46' 2.8"
City and Highway Direction (2 miles W on Hwy 20, etc.): east of US Hwy 264
2. Elevation above mean sea level: ~1.6-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: 350-ft AGL (360-AGL with apprt.)
Construction Type (lattice, monopole, etc.): Self Support Lattice
Guyed-Wire? NO No. Bands: Total No. Wires:
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 ~1,400-sq. ft.
7. Length and width of access road in feet:
Length: Utilize existing gravel drive for approximately 260-ft
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, recently graded
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:
Dare County Wastewater Facility 100
Maintained grass lawn

Adjacent land use: Undeveloped forested

11. Dominant vegetative species in each habitat type:
Rye
12. Average diameter breast height of dominant tree species in forested areas:
Tree species: Diameter (inches):
n/a- site recently graded
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 the southeast corner of the Dare County Wastewater Treatment facility property.
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: Located on the adjoining properties to the north, south, east, and west.
16. Distance to nearest telecommunications tower: None observed at time of inspection
17. Potential for co-location of antennas on existing towers or other structures: No
18. Have measures been incorporated for minimizing impacts to migratory birds?
Y/N NO If yes, describe:
19. Has an evaluation been made to determine if the proposed facility may affect listed or proposed endangered or threatened species or their habitats as required by FCC regulations at 47 CFR 1.1307(a)(3)? Y/N If yes, present findings:
During the on-site investigation, TEP observed no occurrences of Federally Listed Threatened or Endangered Species for Dare County. It is the opinion of TEP that the proposed facility will not adversely affect threatened or endangered species
20. Additional information required: _____

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



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

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

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

January 7, 2011

Mr. Dale Suiter
U.S. Fish & Wildlife Service
Raleigh Field Office
P.O. Box 33726
Raleigh, NC 27636-3726

Re: North Carolina Department of Crime Control and Public Safety allowing the United States Department of Interior: Fish and Wildlife Service (USFWS) access to the 350-ft Self Supporting Communications Tower at Stumpy Point in Dare County, NC (**N35° 42' 30.2" W75° 46' 2.8"**)

Dear Mr. Suiter:

The North Carolina Department of Crime Control & Public Safety will allow the U.S. Fish and Wildlife Service (USFWS) to access the restricted area surrounding the proposed Stumpy Point tower site upon the completion of proposed tower construction for the sole purpose of avian mortality surveys. Due to the USFWS concerns expressed in a letter dated 11/12/2010 regarding the proposed 350-ft self-supporting tower's potential effect on Migratory birds; the N.C. Dept. of Crime Control and Public Safety will grant the USFWS permission to conduct surveys for dead birds within the Communications tower property. The Communications tower property will be restricted to the fenced compound surrounding the aforementioned tower and the necessary ground equipment.

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

Sincerely,

A handwritten signature in cursive script that reads "Captain Robert V. West".

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



An Internationally
Accredited Agency

Law Enforcement Oath of Honor

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



COUNTY OF DARE

P.O. Box 1000, Manteo, North Carolina 27954

Robert L. Outten
County Manager
County Attorney

(252) 475-5803
fax (252) 473-1817
outten@darenc.com

January 12, 2011

RECEIVED
JAN 24 2011
BY: _____

Mr. Dale Suiter
U.S. Fish & Wildlife Service
Raleigh Field Office
P.O. Box 33726
Raleigh, North Carolina 27636-3726

Re: The County of Dare, NC allowing the United States Department of Interior: Fish and Wildlife Service (USFWS) access to the 350-ft Self Supporting Communications Tower at Stumpy Point in Dare County, NC (**N35° 42' 30.2" W75° 46' 02.8" NAD 83**)

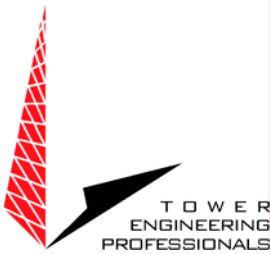
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Access to the property for the purpose of conducting the avian mortality surveys will be restricted to USFWS personnel. In addition, the County of Dare, NC will also require that Mr. Robert L. Outten, Dare County Manager-County Attorney be informed of any proposed surveys at least 24-hrs in advance of any surveys conducted. The County of Dare personnel will accompany USFWS personnel to the site for the purpose of providing access to restricted areas.

Sincerely,

Mr. Robert L. Outten
Dare County Manager
County Attorney



October 20, 2010

Mr. Dale Suiter
U.S. Fish & Wildlife Service
Raleigh Field Office
P.O. Box 33726
Raleigh, NC 27636 - 3726

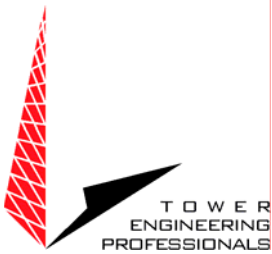
Re: Categorical Exclusion for the construction of a 350-ft Self-Support
Communications Tower, Dare County, NC (**Stumpy Point**)

Dear Mr. Suiter:

Tower Engineering Professionals, Inc. has been contracted by the North Carolina Highway Patrol-Department of Crime Control and Public Safety to provide environmental services for the aforementioned proposed emergency services communications facility. TEP personnel's investigation into the site has determined that the site should have **no adverse effect** on known populations or occurrences of federal and state protected species of concern, high quality natural areas, or significant natural areas. However, we are submitting the following information for your review and concurrence regarding impacts to protected species for the purpose of completing an FCC NEPA Environmental Compliance Checklist for the following telecommunications tower. The intent of the checklist is to establish the basis for a Categorical Exclusion of the construction of the proposed telecommunications tower. The characteristics of the site and the vicinity are described as follows:

Pelham Site:

The proposed 350-ft AGL (360-ft AGL with appurtenances) Self-support Emergency Services tower will be located east of US Highway 264, north of Bay View Drive, west of the Community of Stumpy Point, within Dare County, North Carolina. The approximately 1,400-sq. ft. area of construction was located entirely within a maintained grass lawn that had recently been graded, backfilled, and compacted with buildable soils for the construction of the existing Dare County Wastewater Treatment facility. The area surrounding the proposed tower site was primarily occupied by the new Dare County Wastewater Treatment facility. The parent property was primarily occupied by the Dare County Wastewater Treatment Facility, maintained grass lawn, and undeveloped forested land uses in the vicinity of the proposed tower site. The proposed access and utilities easement will utilize an existing gravel drive which proceeds east from US Highway 264 approximately 260-ft before reaching the proposed North Carolina Highway Patrol lease area. The existing fence currently located east of the Wastewater Treatment facility, will be removed and extended approximately 10-ft to the east for the placement of the



proposed emergency services tower, however, remaining within the already heavily disturbed portion of the parent property. The parent property is located in a portion of Dare County where the surrounding land is primarily occupied by municipal, residential, and undeveloped forested land uses.

The approximate coordinates of the tower location are as follows:

Latitude: N 35° 42' 30.2" (NAD 83)

Longitude: W 75° 46' 2.8" (NAD 83)

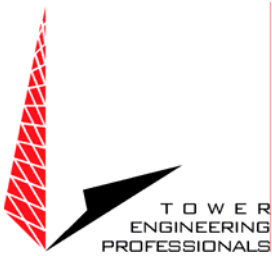
During the inspection of the site on 9-22-10, TEP personnel observed no listed threatened or endangered species, or their critical habitats within the proposed area of disturbance that surrounds the proposed emergency services tower site. Research on the USFWS Online Database indicated the possible presence of (7) terrestrial endangered or threatened species in Dare County, NC. Due to the proposed emergency service tower being located within a maintained grass lawn adjacent to the Dare County Wastewater Treatment facility, within a portion of the parent property that had been recently graded, backfilled, and compacted for the construction of the existing facility, it is the opinion of TEP personnel that the proposed undertaking will have no effect on threatened or endangered species or their critical habitats within Dare County, North Carolina.

We have enclosed a portion of the USGS **Engelhard NE**, NC 7.5-minute topographic quadrangle, biological assessment form, site survey, and site photographs. We request your concurrence with our findings that no known recorded occurrences of federally protected species or their critical habitats will be adversely affected by the proposed tower location. If there are any questions or if further information is needed for the processing of this request please don't hesitate to call. Thank you for your cooperation and your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Kyle W. Crawford".

Tower Engineering Professionals, Inc.
Kyle Crawford
Environmental Scientist



October 20, 2010

Mr. Mike Bryant- Refuge Manager
U.S. Fish & Wildlife Service
Alligator River National Wildlife Refuge Administration Office
P.O. Box 1969
708 N. Highway 64
Manteo, NC 27954

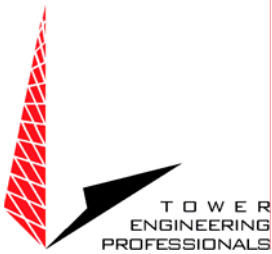
Re: Construction of a 350-ft Self-Support Communications Tower, Dare County, NC
(Stumpy Point)

Dear Mr. Bryant:

Tower Engineering Professionals, Inc. has been contracted by the North Carolina Highway Patrol-Department of Crime Control and Public Safety to provide environmental services for the aforementioned proposed emergency services communications facility. TEP personnel's investigation into the site has determined that the site should have **no adverse effect** on known populations or occurrences of federal and state protected species of concern, high quality natural areas, or significant natural areas. However, we are submitting the following information for your review and concurrence regarding impacts to protected species for the purpose of completing an FCC NEPA Environmental Compliance Checklist for the following telecommunications tower. The intent of the checklist is to establish the basis for a Categorical Exclusion of the construction of the proposed telecommunications tower. The characteristics of the site and the vicinity are described as follows:

Stumpy Point Site:

The proposed 350-ft AGL (360-ft AGL with appurtenances) Self-support Emergency Services tower will be located east of US Highway 264, north of Bay View Drive, west of the Community of Stumpy Point, within Dare County, North Carolina. The approximately 1,400-sq. ft. area of construction was located entirely within a maintained grass lawn that had recently been graded, backfilled, and compacted with buildable soils for the construction of the existing Dare County Wastewater Treatment facility. The area surrounding the proposed tower site was primarily occupied by the new Dare County Wastewater Treatment facility and currently owned by Dare County. The parent property was primarily occupied by the Dare County Wastewater Treatment Facility, maintained grass lawn, and undeveloped forested land uses in the vicinity of the proposed tower site. The proposed access and utilities easement will utilize an existing gravel drive which proceeds east from US Highway 264 approximately 260-ft before reaching the proposed North Carolina Highway Patrol lease area. The existing fence currently located east of



the Wastewater Treatment facility, will be removed and extended approximately 10-ft to the east for the placement of the proposed emergency services tower, however, remaining within the already heavily disturbed portion of the parent property. The parent property is located in a portion of Dare County where the surrounding land is primarily occupied by municipal, residential, and undeveloped forested land uses.

The approximate coordinates of the tower location are as follows:

Latitude: N 35° 42' 30.2" (NAD 83)
Longitude: W 75° 46' 2.8" (NAD 83)

During the inspection of the site on 9-22-10, TEP personnel observed no listed threatened or endangered species, or their critical habitats within the proposed area of disturbance that surrounds the proposed emergency services tower site. Research on the USFWS Online Database indicated the possible presence of (7) terrestrial endangered or threatened species in Dare County, NC. Due to the proposed emergency service tower being located within a maintained grass lawn adjacent to the Dare County Wastewater Treatment facility, within a portion of the parent property that had been recently graded, backfilled, and compacted for the construction of the existing facility, it is the opinion of TEP personnel that the proposed undertaking will have no effect on threatened or endangered species or their critical habitats within Dare County, North Carolina.

We have enclosed a portion of the USGS **Engelhard NE**, NC 7.5-minute topographic quadrangle, biological assessment form, site survey, and site photographs. The proposed Emergency Services tower will be located on a piece of property currently owned by Dare County, however; the visual APE for the proposed emergency services tower will extend into a portion of the Alligator River NWR. We request your concurrence with our findings that no known recorded occurrences of federally protected species or their critical habitats will be adversely affected by the proposed tower location. If there are any questions or if further information is needed for the processing of this request please don't hesitate to call. Thank you for your cooperation and your assistance.

Sincerely,

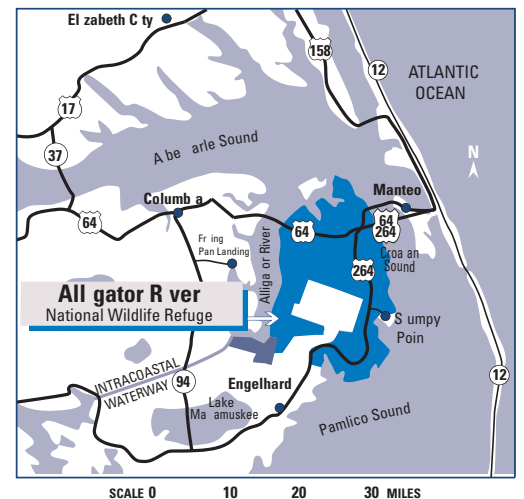
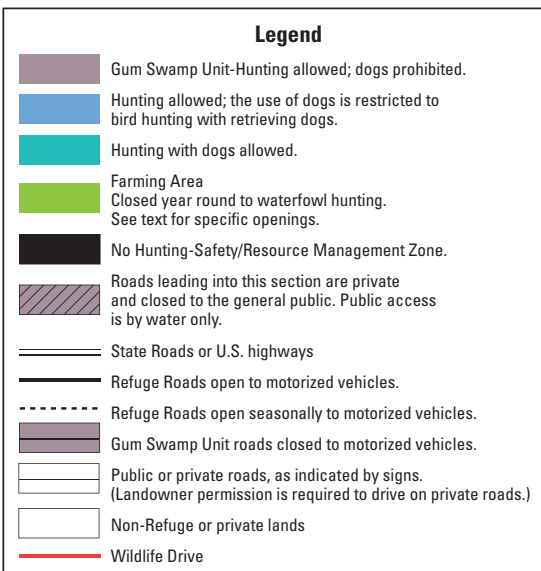
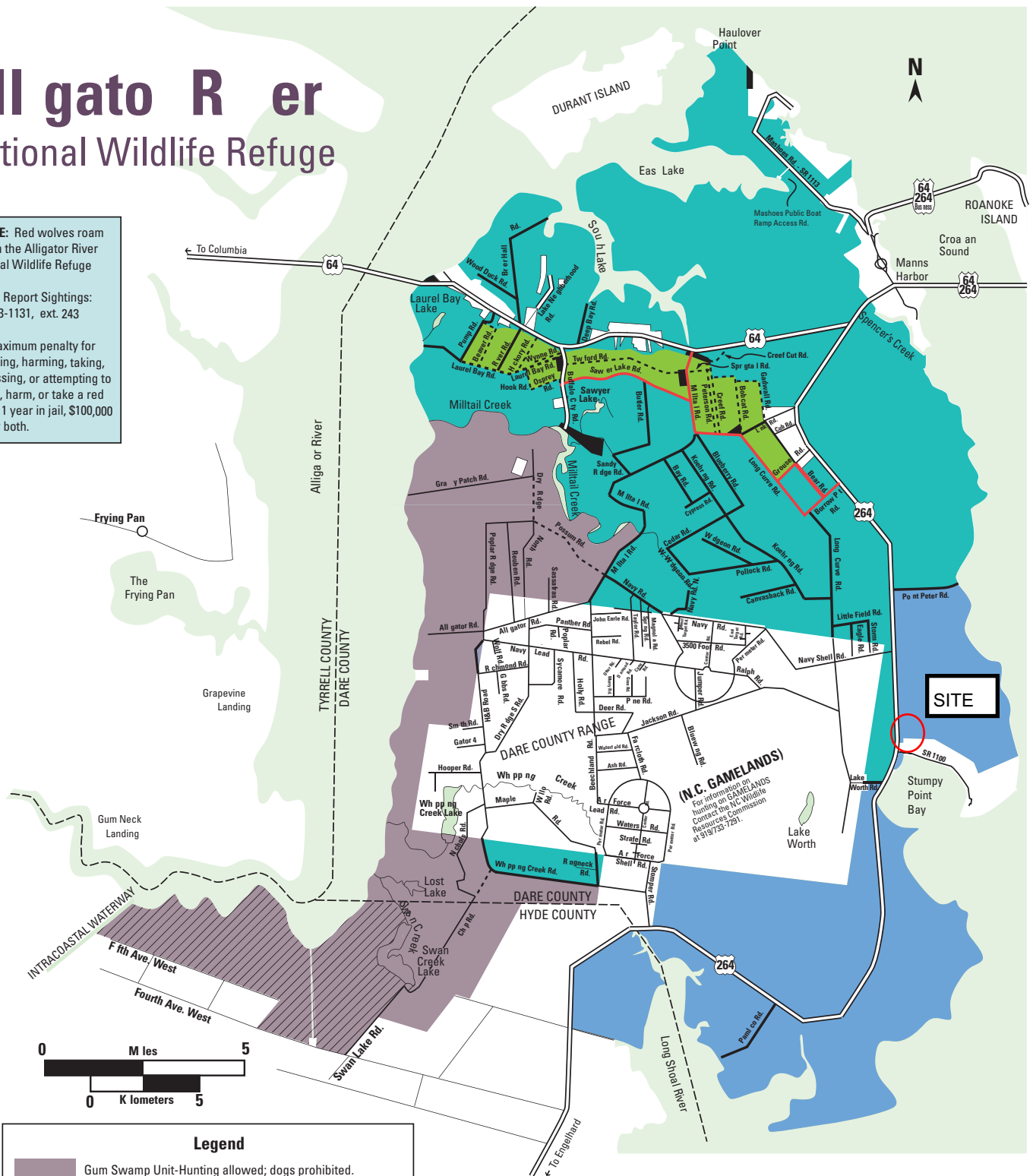
Tower Engineering Professionals, Inc.
Kyle Crawford
Environmental Scientist

Alligator River National Wildlife Refuge

NOTICE: Red wolves roam free on the Alligator River National Wildlife Refuge

Please Report Sightings:
252-473-1131, ext. 243

The maximum penalty for harassing, harming, taking, possessing, or attempting to harass, harm, or take a red wolf is 1 year in jail, \$100,000 fine, or both.



[Home](#) > [Maps, Data, and Images](#) > [Maps](#) > GIS Map

U.S. National Wilderness Preservation System Map

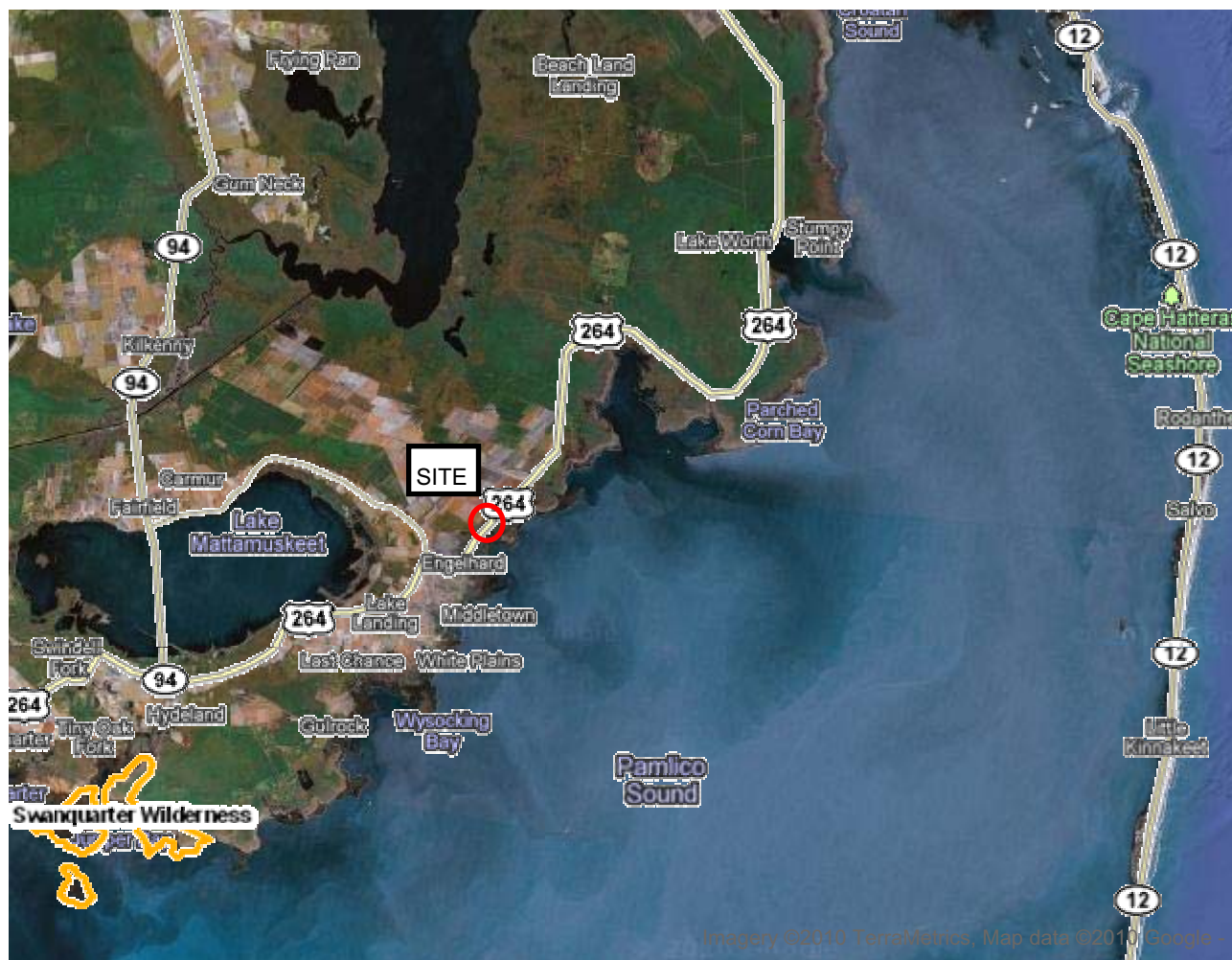
Click inside a wilderness polygon to open an information window (window may take a second to appear). Want to [give us feedback](#) on our map?

Print/View/Download: _____

Zoom: U.S.  State  Wilderness _____

On/Off: ☒ Wilderness Names ☒ Information Windows

Key:  BLM  FWS  FS  NPS



Latitude/longitude: 35.8144724, -76.290436

Disclaimer: Wilderness.net's GIS-based map overlays wilderness boundaries on satellite data provided by Google Maps. Boundary updates are obtained from the wilderness management agencies. Boundary names

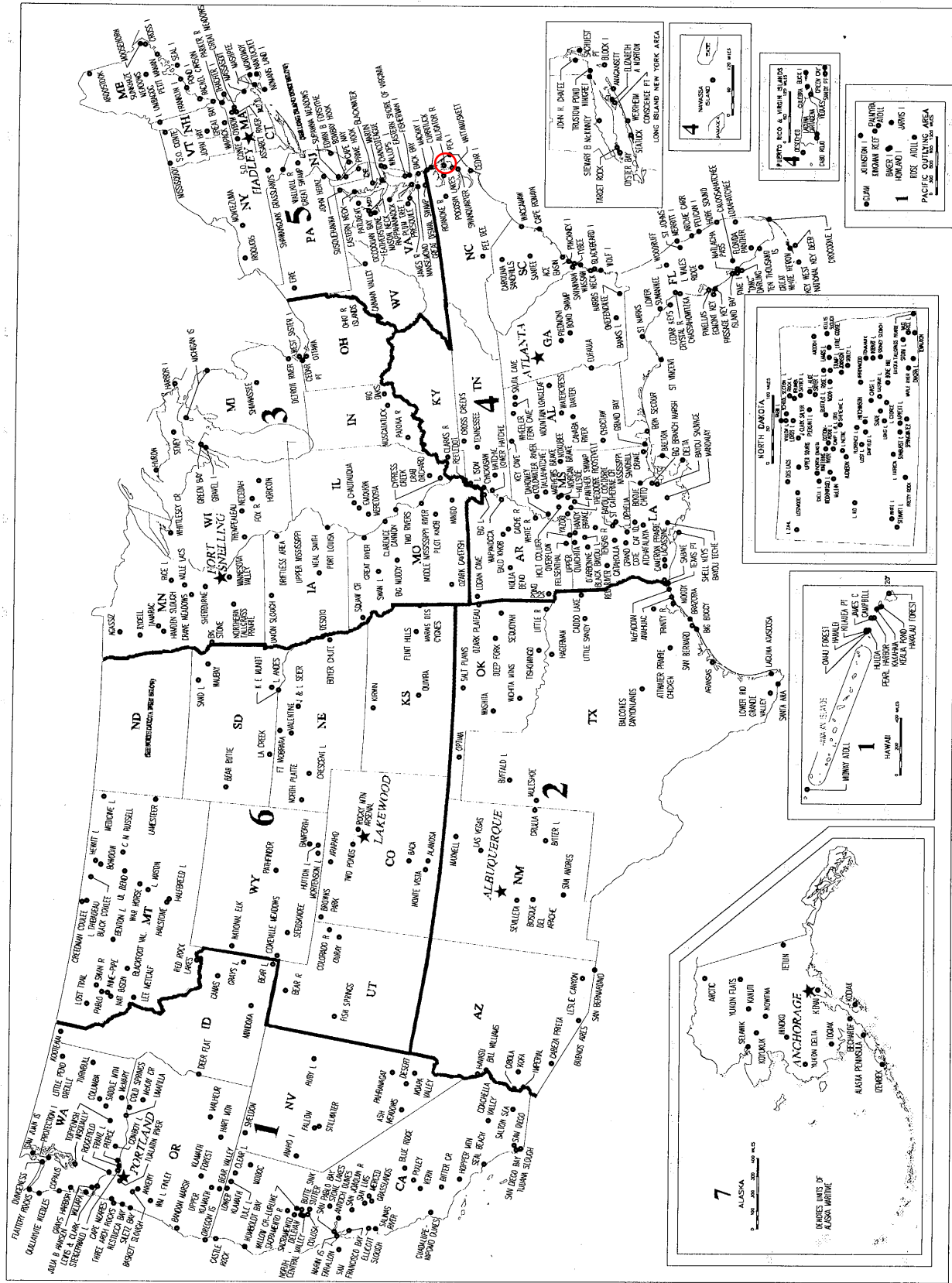
containing "(Draft boundary)" have not been finalized and are not official. Different wildernesses treat inholdings differently, so you should consult agency-specific maps to identify the exact location of private inholdings within wilderness. Wilderness.net manages this map as a service to Internet users of digital geographic data. Wilderness.net is in no way condoning or endorsing the application of these data for any given purpose. It is the sole responsibility of the user to determine whether or not the data are suitable for the intended purpose. It is also the obligation of the user to apply those data in an appropriate and conscientious manner. Although Wilderness.net attempts to use the most current and complete geospatial data available, accuracy varies. Wilderness.net provides no warranty, nor accepts any liability occurring from any incorrect, incomplete, or misleading data, or from any incorrect, incomplete, or misleading use of these data.

On 3/30/09 President Obama signed the Omnibus Public Land Management Act of 2009 (Public law 111-11) into law. This law designated 52 new wilderness areas and added acreage to 26 existing areas, a total addition to the NWPS of over 2 million acres. All these new areas are now pictured on Wilderness.net's maps. You can also [view a list of all areas affected by Public Law 111-11](#) with links to more information about them.

Maps of the National Wilderness Preservation System have been produced for many years. Read about the [history of wilderness mapping](#).

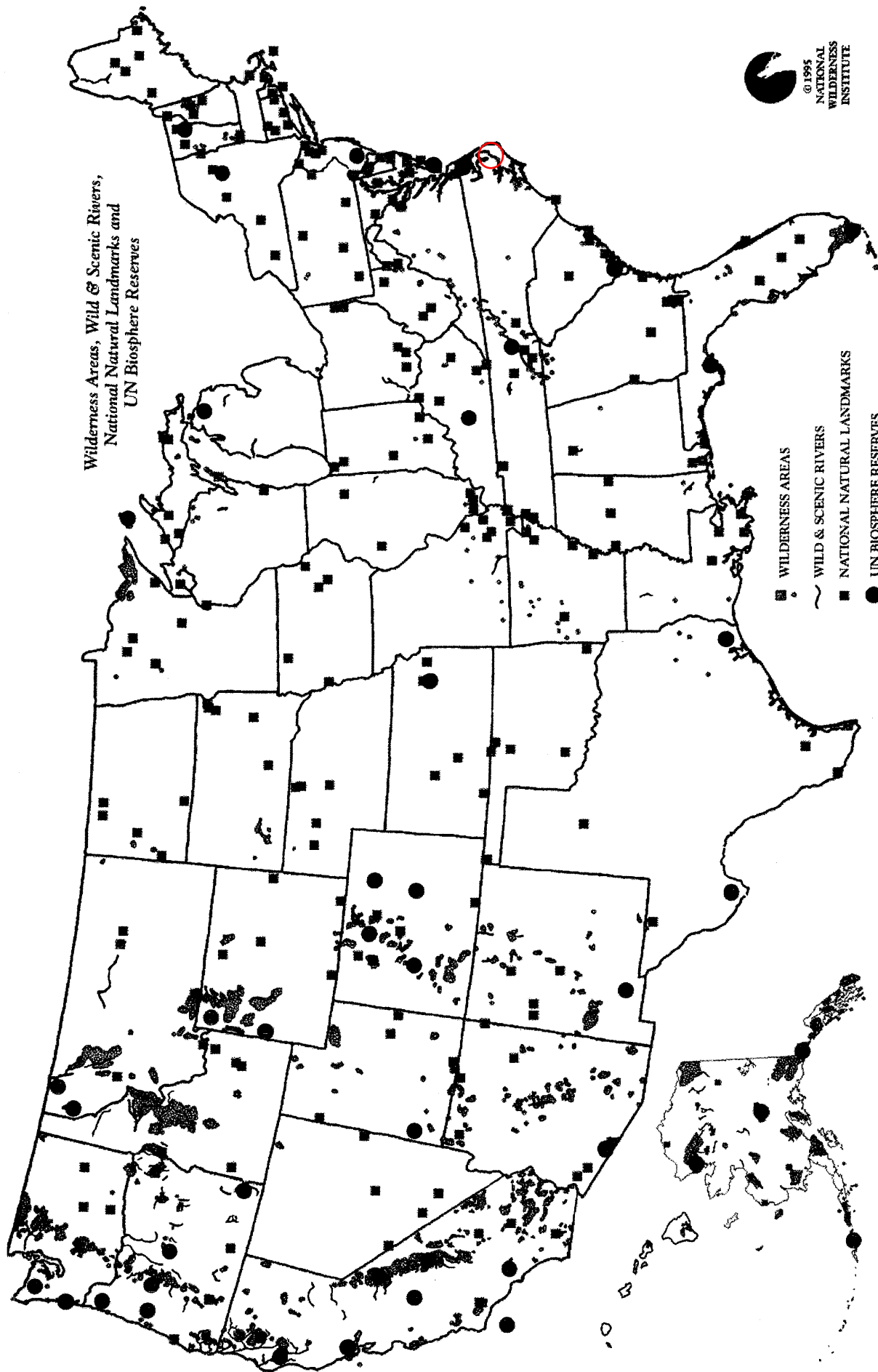
UNITED STATES
DEPARTMENT OF THE INTERIOR

UNITED STATES
FISH AND WILDLIFE SERVICE



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

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INSTITUTE

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





NATIONAL REGISTRY
OF NATURAL LANDMARKS
JUNE 2009

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Wayne County

ZURICH BOG

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

Westchester County

MIANUS RIVER GORGE

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

NORTH CAROLINA (13)

Alleghany County

STONE MOUNTAIN

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

Ashe County

**LONG HOPE CREEK
SPRUCE BOG**

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

**MOUNT JEFFERSON
STATE NATURAL AREA**

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

Beaufort County

**GOOSE CREEK STATE
PARK NATURAL AREA**

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



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Brunswick County

GREEN SWAMP

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

SMITH ISLAND

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

Dare County

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

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

Davie County

ORBICULAR DIORITE

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

Hyde County

**SALYER'S RIDGE
NATURAL AREA**

Salier'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 biophysiographic province. Dune movement has created a dynamic landscape of outstanding scenic beauty. Designated: 1980. Ownership: State.



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OF NATURAL LANDMARKS
JUNE 2009

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Surry County

PILOT MOUNTAIN

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

Wake County

**PIEDMONT BEECH
NATURAL AREA**

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

Watauga County

**LONG HOPE CREEK
SPRUCE BOG**

(see Ashe County)

Wilkes County

STONE MOUNTAIN

(see Alleghany County)

Yancey County

**MOUNT MITCHELL STATE
PARK**

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

NORTH DAKOTA (4)

Billings County

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

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

Cavalier County

RUSH LAKE

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

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Tower Construction Notification

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Tower Construction Notification New Notification

[▶ Notifications Home](#)

Your Notification has been successfully submitted to the FCC. The date for this Notification is 10/14/2010. Your Notification ID number is **69257**. 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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- [Freedom of Information Act](#)

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Thursday, October 14, 2010 2:03 PM
To: Kyle Crawford
Subject: Proposed Tower Structure Info - Email ID #2622695

Dear Kyle W Crawford,

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

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

Notification Received: 10/14/2010

Notification ID: 69257

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

Consultant Name: Kyle W Crawford

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 35 deg 42 min 30.2 sec N

Longitude: 75 deg 46 min 2.8 sec W

Location Description: Highway 264

City: Stumpy Point

State: NORTH CAROLINA

County: DARE

Ground Elevation: 0.6 meters

Support Structure: 106.7 meters above ground level

Overall Structure: 109.7 meters above ground level

Overall Height AMSL: 110.3 meters above mean sea level

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, October 22, 2010 3:01 AM
To: Kyle Crawford
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2625156

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. Archaeological Data Analyst Jennifer L Pietarila - Seminole Tribe of Florida - Clewiston, FL - electronic mail
Details: The Seminole Tribe of Florida Tribal Historic Preservation Office requests that all correspondence be conducted via email and email attachments. We also would like to request a Form 620 or 621 be provided for every cell tower submitted to us for review. Should you have any questions, please feel free to contact me at jenniferpietarila@semtribe.com or 863-983-6549 Ext. 12217. Thank you.

3. Policy Analyst Richard L Allen - Cherokee Nation - Tahlequah, OK - electronic mail
Details: The TCNS Details do not provide me enough information to conduct a proper assessment of the projects on behalf of the Cherokee Nation. Therefore, I request that I be sent a brief summary of the Phase I findings [please try to limit the summary to between 1--10 pages], a topo of the area, and relevant photos. Please send these by email to rallen@cherokee.org. Please treat this request for additional material as a routine supplement to the TCNS Details Notification for each of your projects that fall within our Tribe's areas of geographic interest. Consequently, if you do not receive a response from me within 30 days from the date on which you e-mailed the supplemental items to me, you may move forward with the 20-Day Letter procedures pursuant to the FCC's guidelines. Thank you. -- Dr. Richard L. Allen

4. 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))

5. 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.

6. THPO and 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 projectarea.

____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 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.

7. Environmental Review Coordinator Renee GledhillEarley - NC State Historic Preservation Office - Raleigh, NC - electronic mail

8. 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: 10/14/2010
Notification ID: 69257
Tower Owner Individual or Entity Name: TEP for Dare County and the North Carolina Highway Patrol
Consultant Name: Kyle W Crawford
Street Address: 3703 Junction Blvd.
City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-5263
Phone: 919-661-6351
Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 35 deg 42 min 30.2 sec N
Longitude: 75 deg 46 min 2.8 sec W
Location Description: Highway 264
City: Stumpy Point
State: NORTH CAROLINA
County: DARE
Ground Elevation: 0.6 meters
Support Structure: 106.7 meters above ground level
Overall Structure: 109.7 meters above ground level
Overall Height AMSL: 110.3 meters above mean sea level

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

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

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

Thank you,
Federal Communications Commission

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Thursday, October 21, 2010 9:27 AM
To: Kyle Crawford
Cc: tcns.fccarchive@fcc.gov; jenniferpietarila@seminoletribe.com
Subject: Reply to Proposed Tower Structure (Notification ID: 69257) - Email ID #2631599

Dear Kyle W Crawford,

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

The following message has been sent to you from Archaeological Data Analyst Jennifer L Pietarila of the Seminole Tribe of Florida in reference to Notification ID #69257:

To Whom It May Concern,

The Seminole Tribe of Florida Tribal Historic Preservation Office (STOF-THPO) has received your email correspondence concerning the aforementioned project. The STOF-THPO has no interest in this project at this time. We thank you for the opportunity to review the information that has been sent to date regarding this project.

We look forward to working with you in the future.

Sincerely,
W.S. Steele,
Tribal Historic Preservation Officer

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

Notification Received: 10/14/2010
Notification ID: 69257
Tower Owner Individual or Entity Name: TEP for Dare County and the North Carolina Highway Patrol
Consultant Name: Kyle W Crawford
Street Address: 3703 Junction Blvd.
City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-5263
Phone: 919-661-6351
Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower
Latitude: 35 deg 42 min 30.2 sec N
Longitude: 75 deg 46 min 2.8 sec W
Location Description: Highway 264
City: Stumpy Point
State: NORTH CAROLINA
County: DARE
Ground Elevation: 0.6 meters
Support Structure: 106.7 meters above ground level
Overall Structure: 109.7 meters above ground level
Overall Height AMSL: 110.3 meters above mean sea level

Kyle Crawford

From: Richard Allen [Richard-Allen@cherokee.org]
Sent: Monday, October 25, 2010 12:23 PM
To: Kyle Crawford
Subject: RE: TEP Concurrence- Stumpy Point TCNS# 69257

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

Thank you,

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

From: Kyle Crawford [mailto:kcrawford@tepgroup.net]
Sent: Wednesday, October 20, 2010 12:17 PM
To: Richard Allen
Subject: TEP Concurrence- Stumpy Point TCNS# 69257

Dr. Allen,

I am attaching information regarding a proposed North Carolina Highway Patrol Emergency Services Tower site Stumpy Point (TCNS# 69257) for your review and concurrence. If you have any questions or need any further information please do not hesitate to call.

Thank you,
Kyle

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

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Wednesday, December 22, 2010 11:39 AM
To: Kyle Crawford
Cc: tcns.fccarchive@fcc.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 69257) - Email ID #2689954

Dear Kyle W Crawford,

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

The following message has been sent to you from Administrative Assistant Jo Ann Beckham of the Eastern Shawnee Tribe of Oklahoma in reference to Notification ID #69257:

December 22, 2010

To Whom It May Concern:

Thank you for notice of the referenced project(s). The Eastern Shawnee Tribe of Oklahoma is currently unaware of any documentation directly linking Indian Religious Sites to the proposed construction. In the event any items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) are discovered during construction, the Eastern Shawnee Tribe request notification and further consultation.

The Eastern Shawnee Tribe has no objection to the proposed construction. At present, the Eastern Shawnee Tribe does not wish to participate as a consulting party on the above referenced project(s). However, if any human skeletal remains and/or any objects falling under NAGPRA are uncovered during construction, the construction should stop immediately, and the appropriate persons, including state and tribal NAGPRA representatives contacted.

Sincerely,
Jo Ann Beckham, Administrative Assistant Eastern Shawnee Tribe of Oklahoma

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

Notification Received: 10/14/2010
Notification ID: 69257
Tower Owner Individual or Entity Name: TEP for Dare County and the North Carolina Highway Patrol
Consultant Name: Kyle W Crawford
Street Address: 3703 Junction Blvd.
City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-5263
Phone: 919-661-6351
Email: kcrawford@tepgroup.net

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 35 deg 42 min 30.2 sec N
Longitude: 75 deg 46 min 2.8 sec W
Location Description: Highway 264
City: Stumpy Point
State: NORTH CAROLINA
County: DARE
Ground Elevation: 0.6 meters
Support Structure: 106.7 meters above ground level
Overall Structure: 109.7 meters above ground level
Overall Height AMSL: 110.3 meters above mean sea level



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

FACSIMILE COVER PAGE

TO: Kyle FROM: Kim Jumper
FIRM/AGENCY: TEP DATE/TIME: 10/26/10
FAX NUMBER: 919-6661-6350 NO. OF PAGES, INCLUDING COVER: 1
PHONE NUMBER: _____ MEMO: 68814, 69257, 69056

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 telecommunication towers on migratory birds; these guidelines may be found at: www.fws.gov/migratorybirds/issues/towers/comtow.html.

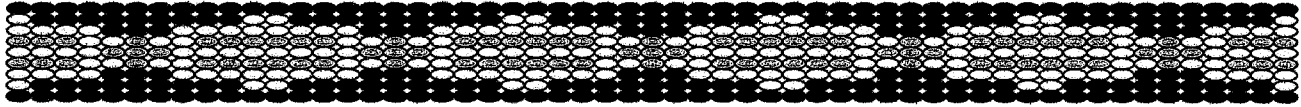
The Shawnee Tribe's Environmental and Natural Resources Department is further concerned that the proliferation of cell towers may play a role in honey bee Colony Collapse Disorder. We acknowledge that cell phone technology may not be to blame, especially by itself, as other potential causative factors 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



November 12, 2010

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

Re. THPO #	TCNS#	Project Description
2011-12-2	68814	Proposed 170ft Tower Dobson Knob FR 106 North Cove, NC
2011-12-3	69257	Proposed 350ft Tower Stumpy Point US Highway 264 Stumpy Point, NC
2011-12-4	69056	Proposed 300ft Tower Pelham 853 NC Hwy 700 Pelham, NC

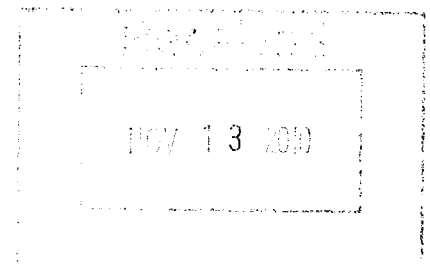
Dear Mr. Crawford,

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

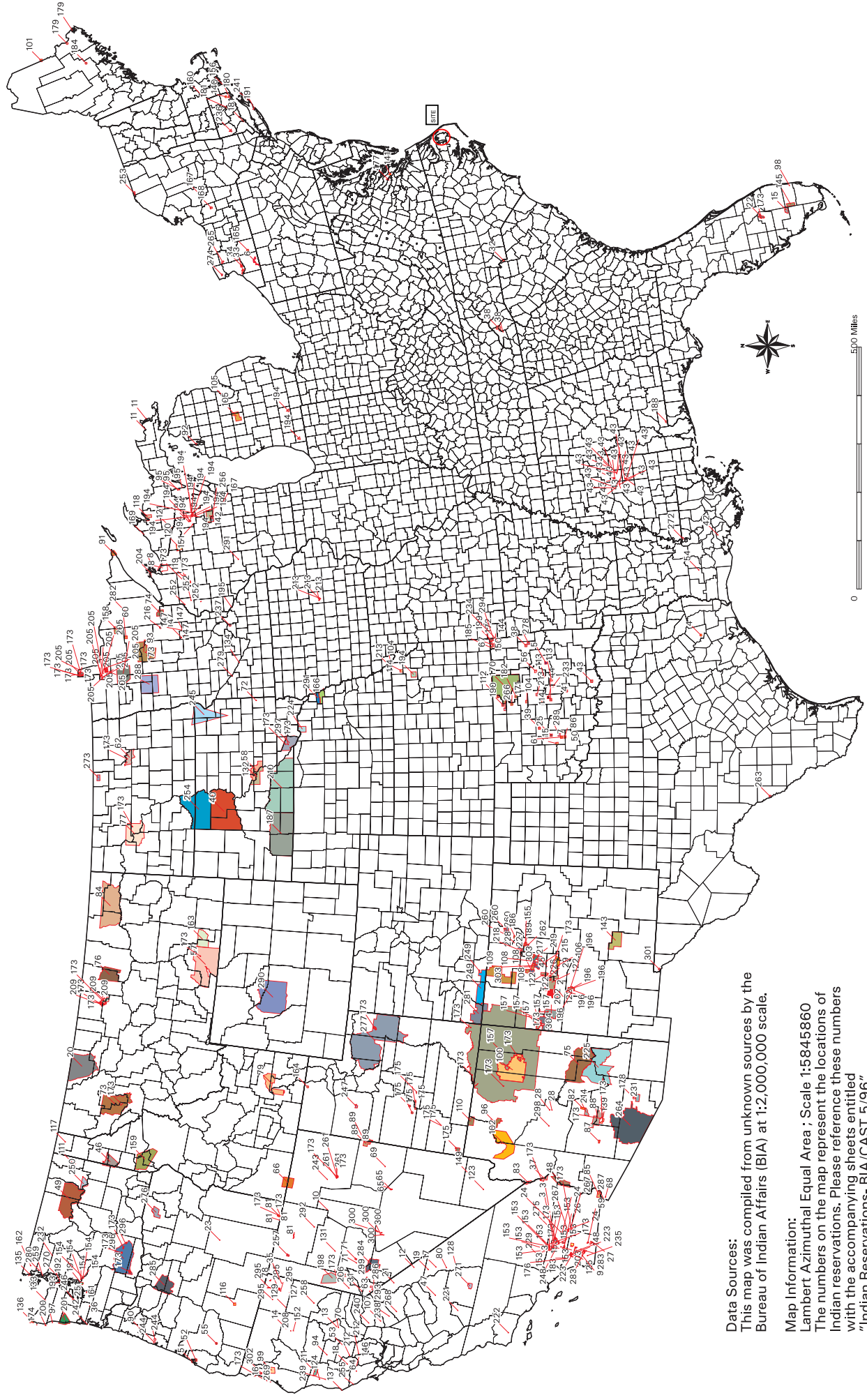
If you have questions please contact Caitlin Totherow at 803-328-2427 ext. 226, or e-mail caitlinh@ccppcrafts.com.

Sincerely

Wenonah G. Haire
Tribal Historic Preservation Officer



Indian Reservations in the Continental United States



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

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



National NAGPRA



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Indian Reservations in the Continental United States MAP INDEX

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

0 No Data	102. HUALAPAI	204. RED CLIFF
1. ABSENTEE SHAWNEE *	103. INAJA	205. RED LAKE
2. ACOMA	104. IOWA *	206. RENO-SPARKS
3. AGUA CALIENTE	105. ISABELLA	207. RINCON
4. ALABAMA-COUSHATTA	106. ISLETA	208. ROARING CREEK
5. ALABAMA-QUASSARTE CREEKS *	107. JACKSON	209. ROCKY BOYS
6. ALLEGANY	108. JEMEZ	210. ROSEBUD
7. APACHE *	109. JICARILLA	211. ROUND VALLEY
8. BAD RIVER	110. KAIBAB	212. RUMSEY
9. BARONA RANCH	111. KALISPEL	213. SAC AND FOX #
10. BATTLE MOUNTAIN	112. KAW *	214. SALT RIVER
11. BAY MILLS	113. KIALEGEE CREEK *	215. SANDIA
12. BENTON PAIUTE	114. KICKAPOO *	216. SANDY LAKE
13. BERRY CREEK	115. KIOWA *	217. SANTA ANA
14. BIG BEND	116. KLAMATH *	218. SANTA CLARA
15. BIG CYPRESS	117. KOOTENAI	219. SANTA DOMINGO
16. BIG LAGOON	118. L'ANSE	220. SANTA ROSA
17. BIG PINE	119. LAC COURTE OREILLES	221. SANTA ROSA (NORTH)
18. BIG VALLEY	120. LAC DU FLAMBEAU	222. SANTA YNEZ

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19. BISHOP	121. LAC VIEUX DESERT	223. SANTA YSABEL
20. BLACKFEET	122. LAGUNA	224. SANTEE
21. BRIDGEPORT	123. LAS VEGAS	225. SAN CARLOS
22. BRIGHTON	124. LAYTONVILLE	226. SAN FELIPE
23. BURNS PAIUTE COLONY	125. LA JOLLA	227. SAN ILDEFONSO
24. CABEZON	126. LA POSTA	228. SAN JUAN
25. CADDO *	127. LIKELY	229. SAN MANUAL
26. CAHUILLA	128. LONE PINE	230. SAN PASQUAL
27. CAMPO	129. LOOKOUT	231. SAN XAVIER
28. CAMP VERDE	130. LOS COYOTES	232. SAUK SUIATTLE
29. CANONCITO	131. LOVELOCK COLONY	233. SEMINOLE *
30. CAPITAN GRANDE	132. LOWER BRULE	234. SENECA-CAYUGA *
31. CARSON	133. LOWER ELWAH	235. SEQUAN
32. CATAWBA	134. LOWER SIOUX	236. SHAGTICOKE +
33. CATTARAUGUS	135. LUMMI	237. SHAKOPEE
34. CAYUGA *	136. MAKAH	238. SHEEP RANCH
35. CEDARVILLE	137. MANCHESTER	239. SHERWOOD VALLEY
36. CHEHALIS	138. MANZANITA	240. SHINGLE SPRING
37. CHEMEHUEVI	139. MARICOPA	241. SHINNECOCK +
38. CHEROKEE * #	140. MASHANTUCKET PEQUOT	242. SHOALWATER
39. CHEYENNE-ARAPAHOE*	141. MATTAPONI +	243. SHOSHONE
40. CHEYENNE RIVER	142. MENOMINEE	244. SILETZ
41. CHICKASAW *	143. MESCALERO	245. SISSETON
42. CHITIMACHA	144. MIAMI *	246. SKOKOMISH
43. CHOCTAW * #	145. MICCOSUKEE	247. SKULL VALLEY
44. CITIZEN BAND OF POTAWATOMI *	146. MIDDLETOWN	248. SOBOBA
45. COCHITI	147. MILLE LACS	249. SOUTHERN UTE
46. COEUR D'ALENE	148. MISSION	250. SPOKANE
47. COLD SPRINGS	149. MOAPA	251. SQUAXON ISLAND
		252. ST. CROIX

48. COLORADO RIVER	150. MODOC *	253. ST. REGIS
49. COLVILLE	151. MOLE LAKE	254. STANDING ROCK
50. COMANCHE *	152. MONTGOMERY CREEK	255. STEWARTS POINT
51. COOS, LOWER UMPQUA & SIUSLAW	153. MORONGO	256. STOCKBRIDGE MUNSEE
52. COQUILLE *	154. MUCKLESHOOT	257. SUMMIT LAKE
53. CORTINA	155. NAMBE	258. SUSANVILLE
54. COUSHATTA	156. NARRAGANSETT	259. SWINOMISH
55. COW CREEK	157. NAVAJO	260. TAOS
56. CREEK *	158. NETT LAKE	261. TE-MOAK
57. CROW	159. NEZ PERCE	262. TESUQUE
58. CROW CREEK	160. NIPMOC- HASSANAMISCO +	263. TEXAS KICKAPOO
59. CUYAPAIPE	161. NISQUALLY	264. TOHONO O'ODHAM
60. DEER CREEK	162. NOOKSACK	265. TONAWANDA
61. DELAWARE *	163. NORTHERN CHEYENNE	266. TONIKAWA *
62. DEVILS LAKE	164. NORTHWESTERN SHOSHONE	267. TORRES MARTINEZ
63. DRESSLERVILLE COLONY	165. OIL SPRINGS	268. TOULUMNE
64. DRY CREEK	166. OMAHA	269. TRINIDAD
65. DUCKWATER	167. ONEIDA #	270. TULALIP
66. DUCK VALLEY	168. ONONDAGA	271. TULE RIVER
67. EASTERN SHAWNEE *	169. ONTONAGON	272. TUNICA-BILOXI
68. EAST COCOPAH	170. OSAGE	273. TURTLE MOUNTAINS
69. ELY COLONY	171. OTOE-MISSOURI *	274. TUSCARORA
70. ENTERPRISE	172. OTTAWA *	275. TWENTYNINE PALMS
71. FALLON	173. OUT	276. UMATILLA
72. FLANDREAU INDIAN SCHOOL	174. OZETTE	277. UNITAH AND OURAY
73. FLATHEAD	175. PAIUTE	278. UNITED KEETOOWAH BAND OF CHEROKEE *
74. FOND DU LAC	176. PALA	279. UPPER SIOUX
75. FORT APACHE	177. PAMUNKEY +	280. UPPER SKAGIT
	178. PASCUA YAQUI	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. YUOK
97. HOH	200. QUILLAYUTE	303. ZIA
98. HOLLYWOOD	201. QUINAULT	304. ZUNI
99. HOOPA VALLEY	202. RAMAH	
100. HOPI	203. RAMONA	
101. HOULTON MALISEETS		



Forested/Shrub

User Remarks:

George Swearingen

From: Jones, Claudia [claudia.jones@ncdenr.gov]
Sent: Wednesday, December 22, 2010 11:46 AM
To: George Swearingen
Subject: RE: Stumpy Point proposed communications tower for Dare County & NC Highway Patrol

I checked our permit files for CAMA permit # 97-07 Dare county/Stumpy Pt. Wastewater Treatment Plant and the area where the actual WWTP is located is outside of the CAMA 75' and therefore will not require any authorizations from CAMA. Let me know if you need anything else.

Have a great holiday!

Claudia jones

From: George Swearingen [<mailto:gswearingen@tepgroup.net>]
Sent: Friday, December 17, 2010 9:37 AM
To: Jones, Claudia
Subject: Stumpy Point proposed communications tower for Dare County & NC Highway Patrol

Ms. Jones,

Thanks so much for taking the time to speak to me this AM. I have attached some info regarding the proposed undertaking. Please let me know if you need any additional information and I will do my best to provide. I just spoke with the Civil Engineer for the site and we calculated an estimate of impervious surface square footage impacts for the proposed facility and the worst case scenario is ~2,070-sq ft (0.0475 Ac) (which includes a five foot buffer around all the proposed improvements) but it will more than likely be less than 2,000-ft sq (0.0459 Ac). Thanks again! Hope the little one feels better!

Regards,

George T. Swearingen, III
Tower Engineering Professionals, Inc.
Division Manager - Environmental
3703 Junction Blvd.
Raleigh, NC 27603
(919) 661-6351 Office
(919) 661-6350 Fax
(919) 414-6365 Mobile

George Swearingen

From: Mcmillan, Ian [ian.mcmillan@ncdenr.gov]
Sent: Friday, January 07, 2011 11:27 AM
To: George Swearingen
Subject: RE: NC Highway Patrol & Dare County Stumpy Point proposed Communication tower within Stumpy Point WWTP facility

George, you are correct. Based on your proposed project and submitted materials, you will not need anything further from us. We will add your information to the file. Thanks, Ian McMillan

Ian J. McMillan, PWS, GISP
NCDENR/Division of Water Quality
Acting Supervisor - 401/Wetlands Permitting and Oversight Unit
1650 Mail Service Center
Raleigh, NC 27699-1650
Office: (919) 807-6364
Fax: (919) 807-6494
Email: ian.mcmillan@ncdenr.gov

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

From: George Swearingen [<mailto:gswearingen@tepgroup.net>]
Sent: Friday, January 07, 2011 10:54 AM
To: Mcmillan, Ian
Subject: NC Highway Patrol & Dare County Stumpy Point proposed Communication tower within Stumpy Point WWTP facility

Mr. McMillan,

Thank you for taking the time to speak with me today regarding the proposed tower on the Stumpy Point WWTP facility property in Dare County. Attached herein you will find the preliminary Site plans, site photographs, and the original NC DWQ permit dated 5-30-2007. Based on our telephone conversation it is my understanding that the NCDWQ will simply include the information provided herein in the NC DWQ files and that no further action will be required as it relates to the NC DWQ. It is also my understanding that NC DWQ will not be providing any "approvals" because none are necessary for the proposed undertaking. If at all possible, would you please respond with any comments you may have concerning the proposed emergency services communication tower facility. Thanks again for your cooperation and assistance and please let me know if you need any additional information.

Regards,

George T. Swearingen, III
Tower Engineering Professionals, Inc.
Division Manager - Environmental
3703 Junction Blvd.
Raleigh, NC 27603
(919) 661-6351 Office
(919) 661-6350 Fax
(919) 414-6365 Mobile

George Swearingen

From: McClain, Pat [pat.mcclain@ncdenr.gov]
Sent: Friday, January 07, 2011 3:59 PM
To: George Swearingen
Subject: RE: NC Highway Patrol & Dare County Stumpy Point proposed Communication tower within Stumpy Point WWTP facility

From: McClain, Pat
Sent: Friday, January 07, 2011 3:57 PM
To: 'George Swearingen '
Cc: ricky; Belvin, Robert; Gary
Subject: RE: NC Highway Patrol & Dare County Stumpy Point proposed Communication tower within Stumpy Point WWTP facility

Mr. Swearingen,

Gary has forwarded your message to me for comment. You are correct in your statements that provided less than one acre is disturbed for this project, then no formal approval letter will be issued by the Land Quality section. A copy of the plans for our files would be helpful.

Thank you for contacting this office.

Patrick McClain, PE

Land Quality Regional Engineer - Washington Region
NC Dept. of Environment and Natural Resources
943 Washington Square Mall
Washington, NC 27889
Phone: 252-946-6481, Fax: 252-975-3716

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

From: Novak, Gary
Sent: Friday, January 07, 2011 12:11 PM
To: McClain, Pat
Cc: Peed, Richard
Subject: FW: NC Highway Patrol & Dare County Stumpy Point proposed Communication tower within Stumpy Point WWTP facility

FYI and has asked for any comments for additional information.

From: George Swearingen [<mailto:gswearingen@tepgroup.net>]
Sent: Friday, January 07, 2011 11:37 AM
To: Novak, Gary
Subject: NC Highway Patrol & Dare County Stumpy Point proposed Communication tower within Stumpy Point WWTP facility

Mr. Novak,

Thank you for taking the time to speak with me today regarding the proposed tower on the Stumpy Point WWTP facility property in Dare County. Attached herein you will find the preliminary Site plans, site photographs, and the original NC Division of Land Resources – Land Quality Section permit dated 2-28-2007. Based on our telephone conversation it is my

understanding that the Land Quality Section will simply include the information provided herein in the Land Quality Section files and that no further action will be required as it relates to the Land Quality if the proposed undertaking will not require an acre or more of disturbance. It is also my understanding that Land Quality Section will not be providing any "approvals" because none are necessary for the proposed undertaking unless one acre or more disturbed. If at all possible, would you please respond with any comments you may have concerning the proposed emergency services communication tower facility. Thanks again for your cooperation and assistance and please let me know if you need any additional information.

Regards,

George T. Swearingen, III

Tower Engineering Professionals, Inc.

Division Manager - Environmental

3703 Junction Blvd.

Raleigh, NC 27603

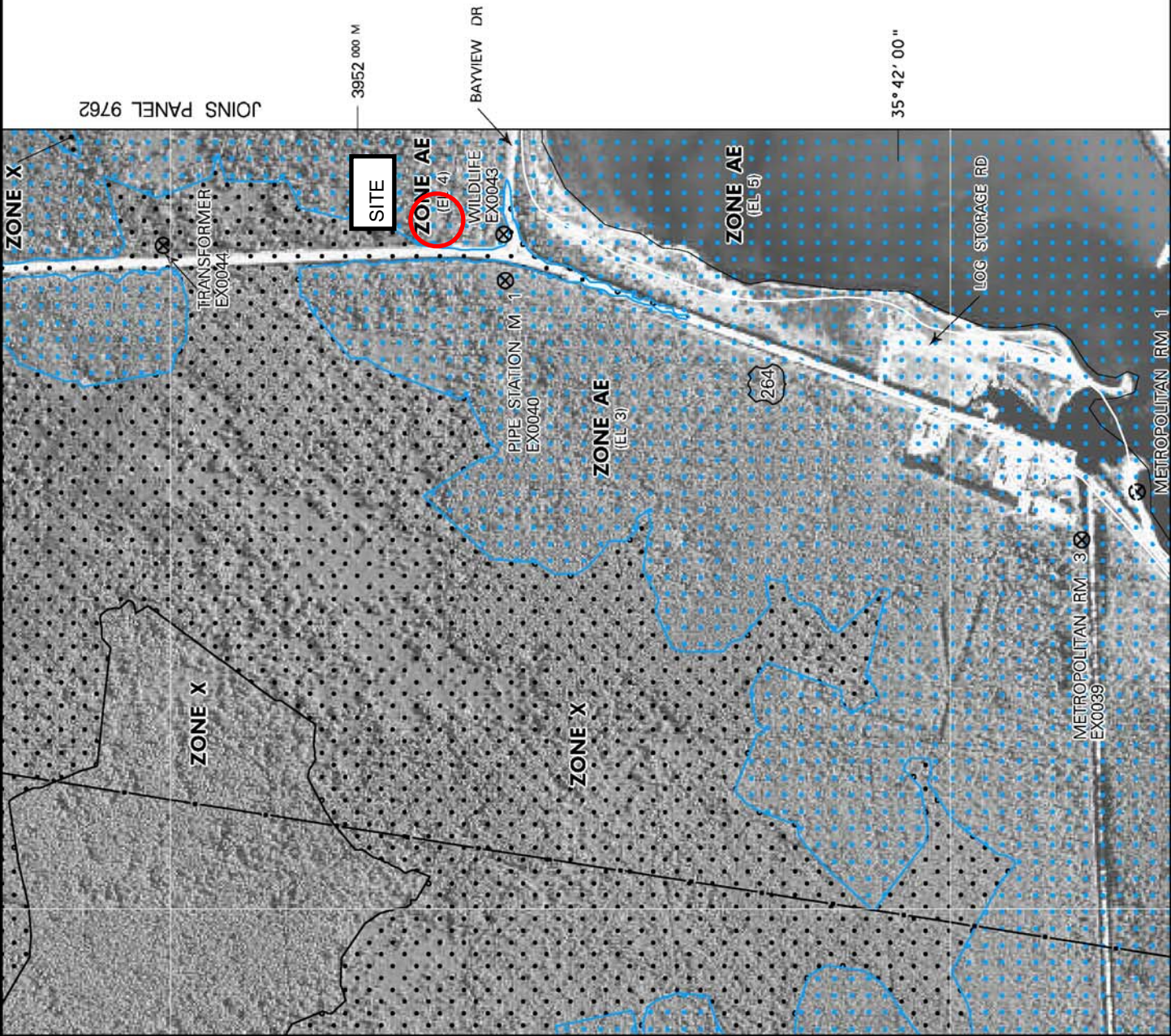
(919) 661-6351 Office

(919) 661-6350 Fax

(919) 414-6365 Mobile

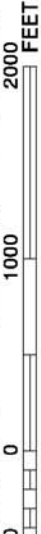
APPENDIX D

Floodplain Map & Professional Engineer's Letter



GRID NORTH

SCALE 1" = 1000' (1 : 12,000)



NFIP

PANEL 9742J

FIRM
FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 9742

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

CONTAINS:

COMMUNITY
DARE COUNTY

CID No. 375348
PANEL 9742
SUFFIX J

Notice to User: The Map Numbers shown below should be used
to identify the Flood Insurance Rate Map. The Flood Insurance
Rate Map shown above should be used on insurance applications for the subject
community.

EFFECTIVE DATE
SEPTEMBER 20, 2006

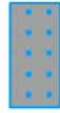
MAP NUMBER
3720974200J



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

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 Elevations determined.

ZONE AE Base Flood Elevations determined.

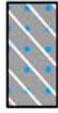
ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

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.

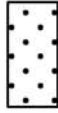
ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

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

Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible.



COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS



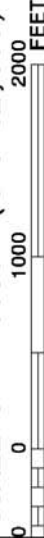
OTHERWISE PROTECTED AREAS (OPAs)

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



GRID NORTH

SCALE 1" = 1000' (1 : 12,000)



NFIP

PANEL 9742J

FIRM

FLOOD INSURANCE RATE MAP

NORTH CAROLINA

PANEL 9742

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

CONTAINS:

COMMUNITY

DARE COUNTY

CID No.

375348

PANEL

9742

SUFFIX

J

Notice to User: The Map Numbers shown below should be used to identify the community. Community numbers shown above should be used on insurance applications for the subject community.

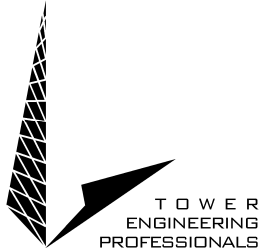
EFFECTIVE DATE
SEPTEMBER 20, 2006

MAP NUMBER
3720974200J



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



Federal Communications Commission
1120 Fairfield Road
Gettysburg, PA 17325

**Subject: Stumpy Point Site
Proposed 350± ft Self Support Lattice Tower
US Highway 64, Stumpy Point
Dare County, NC**

Gentlemen:

Tower Engineering Professionals (TEP) of Raleigh, NC has been contracted to perform a NEPA-Environmental Assessment for the subject property identified above and as follows:

Latitude: N 35° 42' 30.23" (NAD 83)
Longitude: W 75° 46' 2.81" (NAD 83)
Elevation: 1.6 feet Above Mean Sea Level (AMSL) (NAVD 88)

This letter is to confirm that the proposed tower, tower foundation, associated equipment, shall be designed to withstand the hydrostatic and hydrodynamic forces of a 100-year flood. The loading forces were developed in accordance with ASCE-7-98.

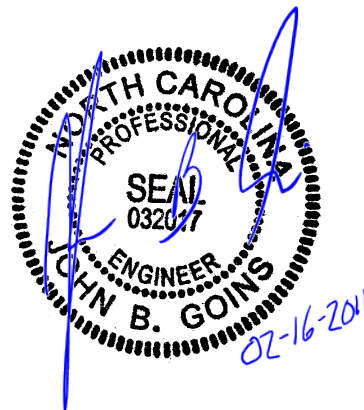
According to the Flood Insurance Rate Map (FIRM) 3720974200J dated September 20, 2006, the base flood elevation for the proposed site has been determined to be 4-feet AMSL. The proposed equipment shelter, generator pad, and service rack cabinets will be elevated at a minimum of 4.0-feet above finished grade (6.0-ft AMSL). The shelter and associated equipment will be constructed of materials to minimize damage due to floodwater effect.

Should you have any questions or require additional information, please contact me.

Thank you for your assistance and interest.

Sincerely,

**Tower Engineering Professionals, Inc.
John Goins, PE**



APPENDIX E

Applicable Permits

RECEIVED
FEB 12 2011

COMMERCIAL BUILDING PERMIT

County of Dare
PO Box Drawer 1000
Manteo NC 27954



5000353

BUILDING PERMIT# **5000353**

DATE: **02/11/11**

PARCEL 013207003
PIN 975200986455 District: 16
Location: 98 BAYVIEW DR -- STUMPY POINT
Legal Desc: Lot: Blk: Sec:

OWNER DARE
Address: P O BOX 1000
MANTEO NC 27954

Phone: --

GENERAL CONTRACTOR A OWNER

Address: SAME AS OWNER

License: 00000S

Classification: NA

Phone: --

Type of Occupancy

☐ Assembly ☐ Educational ☐ Hazard ☐ Residential ☐ Institutional (restrained)
☐ Business ☒ Factory/Industrial ☐ Merchandise ☐ Storage ☐ Institutional (unrestrained)

Occupancy Summary: FACTORY/INDUSTRIAL(0/228);

Project Type: TOWERS
Health Permit: 0
Water: Public
Heated SqFt: 0
Unheated SqFt: 228
#Stories: 35
Bldg Height (ft): 350
Construction Type: V-B
Mixed Occupancy: NO
Sprinkler: NA
Estimated Cost: \$750,000
Flood Zone: AE
Base Fld Elev: 4
Grnd Elev: 5

Permit Fee:	\$0
Flood Application:	0
Total Fee:	\$0

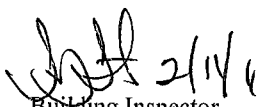
Write Comments Below:

Proposed Finished Floor Elev: 5.5

ANY DEVIATION FROM THE BUILDING PLAN OR SITE PLAN REQUIRES PRIOR APPROVAL. 350 FT COMMUNICATIONS TOWER AND EQUIPMENT BLD. FEE WAIVED FOR DARE COUNTY, OWNER

The owner and builder are responsible to comply with all regulations and laws, should personally inspect all construction and be certain to comply with all zoning regulations and building setbacks. The applicant certifies that the information on this permit is correct. That he is owner or duly authorized agent of owner. That all construction shall be as shown on the submitted plans and specifications that he understands this permit is valid for six months to begin construction and may be revoked for failure to comply with applicable regulations and laws.


Call Building Inspector (24 Hours in advance) for (1) Piling or Footing and Temp Pole (2) Foundation (3) Framing and Rough-in (4) Insulation (5) Pre Final (6) Final (7) Pool Bonding. Dare County Phones - Manteo Office (252) 475-5870, Kill Devil Hills Satellite Office (252) 475-5871, or Buxton Office (252) 475-5878


Building Inspector
FRED FEATHERSTONE

Date

GC/Agent
ALMEY GRAY

Date


2/11/11

APPENDIX F

FAA Determination Letter



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-ASO-5743-OE
Prior Study No.
2010-ASO-4102-OE

Issued Date: 12/10/2010

Wayne E. Eberhard
North Carolina Highway Patrol
4702 Mail Service Center
Raleigh, NC 27699-4702

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Antenna Tower HP-1357, Stumpy Point
Location:	Manns Harbor, NC
Latitude:	35-42-30.20N NAD 83
Longitude:	75-46-02.80W
Heights:	380 feet above ground level (AGL) 382 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, a med-dual system - Chapters 4,8(M-Dual),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

- ☐ At least 10 days prior to start of construction (7460-2, Part I)
☒ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 06/10/2012 unless:

- (a) extended, revised or terminated by the issuing office.
- (b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO

SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (847) 294-8084. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-ASO-5743-OE.

Signature Control No: 132347872-134261591

(DNE)

Carole Bernacchi
Technician

Attachment(s)
Frequency Data

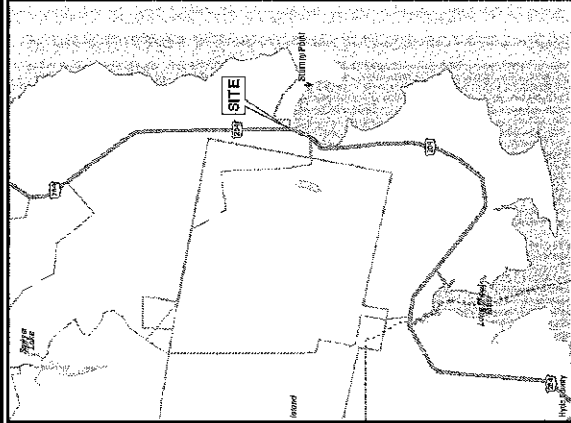
cc: FCC

Frequency Data for ASN 2010-ASO-5743-OE

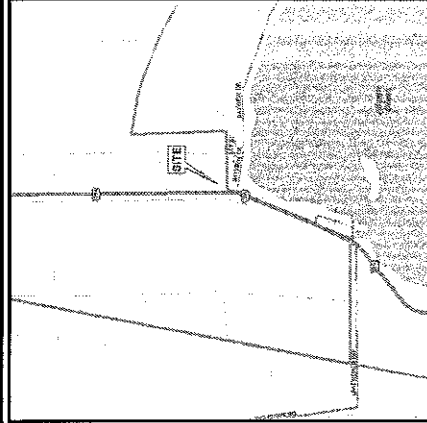
LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
698	806	MHz	1000	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
6500	6900	MHz	68.5	dBm

APPENDIX G

Pertinent Construction Drawings



VICINITY MAP



LOCATION MAP

FROM RALEIGH, NC, TRAVEL EAST ON US 84 FOR APPROXIMATELY 160 MILES. TURN RIGHT ON NC 211 AND TRAVEL SOUTH TO THE SITE. CONTINUE STRAIGHT FOR 12 MILES AND THE SITE WILL BE ON YOUR LEFT.

DRIVING DIRECTIONS

PROJECT INFORMATION:

**PROPOSED
TELECOMMUNICATIONS FACILITY**

SITE NAME:
STUMPY POINT

SITE NUMBER:
HP-1357

SCO ID NUMBER:
10-08449-01E

AERONAUTICAL STUDY NO:
2010-ASO-5743-OE

SITE ADDRESS:
**95 US HIGHWAY 264
STUMPY POINT, NC 27953
(DARE COUNTY)**

APPLICANT/OWNER:

TOWER ENGINEERING PROFESSIONALS
3703 JUNCTION BOULEVARD
RALEIGH, NC 27603-6263
OFFICE: (919) 861-6351
www.tepgroup.net

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NORTH CAROLINA...
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1-800-632-4949
NORTH CAROLINA ONE CALL
IT'S THE LAW

UTILITY STATEMENT

THE UTILITIES SHOWN HEREON ARE FOR THE CONTRACTOR'S CONFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DEPTH, AND TYPE OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.

1A CERTIFICATION

TOWER OWNER:
NAME: COUNTY OF DARE
ADDRESS: 954 MARSHALL RD.
CITY: STUMPY POINT, NC 27953
CONTACT: ROBERT L. CUTTEN
PHONE: (252) 475-5860

APPLICANT:
NAME: TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS: 3703 JUNCTION BOULEVARD
CITY: RALEIGH, NC 27603
CONTACT: TERRY L. BELL
PHONE: (919) 861-6351

PROPERTY OWNER:
NAME: COUNTY OF DARE
ADDRESS: 1400 5th ST.
CITY: STUMPY POINT, NC 27953
CONTACT: ROBERT L. CUTTEN
PHONE: (252) 475-5860

AREA OF CONSTRUCTION:
1,400 SQ. FT. ±
WASTE WATER TREATMENT PLANT

PROPOSED OCCUPANCY TYPE:
TELECOMMUNICATIONS FACILITY

CURRENT ZONING:
STUMPY POINT COMMERCIAL (SP-C)

PARCEL ID NUMBER:
9720088455

JURISDICTION:
DARE COUNTY

UTILITIES:
TIDELAND EMC
CUSTOMER SERVICE
CONTACT: 919-668-0049

METER / NEAR SITE:
CENTURYLINK
CUSTOMER SERVICE
CONTACT: 800-327-6333

PREDETAILED / NEAR SITE:
9720088455

PROJECT SUMMARY

SURVEYOR:
NAME: TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS: 3703 JUNCTION BOULEVARD
CITY: RALEIGH, NC 27603
CONTACT: TERRY L. BELL
PHONE: (919) 861-6351

CIVIL ENGINEER:
NAME: TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS: 3703 JUNCTION BOULEVARD
CITY: RALEIGH, NC 27603
CONTACT: TERRY L. BELL
PHONE: (919) 861-6351

STRUCTURAL ENGINEER:
NAME: TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS: 3703 JUNCTION BOULEVARD
CITY: RALEIGH, NC 27603
CONTACT: TERRY L. BELL
PHONE: (919) 861-6351

ELECTRICAL ENGINEER:
NAME: TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS: 3703 JUNCTION BOULEVARD
CITY: RALEIGH, NC 27603
CONTACT: TERRY L. BELL
PHONE: (919) 861-6351

GEOTECHNICAL ENGINEER:
NAME: TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS: 3703 JUNCTION BOULEVARD
CITY: RALEIGH, NC 27603
CONTACT: TERRY L. BELL
PHONE: (919) 861-6351

TOWER MANUFACTURER:
NAME: TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS: 3703 JUNCTION BOULEVARD
CITY: RALEIGH, NC 27603
CONTACT: TERRY L. BELL
PHONE: (919) 861-6351

PROJECT TEAM

APPLICANT/OWNER:

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TELECOMMUNICATIONS FACILITY

CURRENT ZONING:
STUMPY POINT COMMERCIAL (SP-C)

PARCEL ID NUMBER:
9720088455

JURISDICTION:
DARE COUNTY

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CUSTOMER SERVICE
CONTACT: 919-668-0049

METER / NEAR SITE:
CENTURYLINK
CUSTOMER SERVICE
CONTACT: 800-327-6333

PREDETAILED / NEAR SITE:
9720088455

PROJECT TEAM

PLANS PREPARED BY:

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METER / NEAR SITE:
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CUSTOMER SERVICE
CONTACT: 800-327-6333

PREDETAILED / NEAR SITE:
9720088455

PROJECT TEAM

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 PLAN IS THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NCSPCS NAD 83), BASED ON DIFFERENTIAL GPS OBSERVATIONS PERFORMED ON SEPTEMBER 28, 2010.
4. SUBJECT PIN: 975200986455
5. PROPERTY OWNER:
DARE COUNTY

FLOOD NOTES:

1. NO CONSTRUCTION, DEVELOPMENT, OR STORAGE OF MATERIALS SHALL BE ALLOWED BELOW THE 100 YEAR FLOODPLAIN ELEVATION OF 4.0' AMSL.
2. THIS PROPERTY IS LOCATED IN FLOOD ZONE AE, AREAS OF 1% ANNUAL CHANCE FLOOD. THIS FLOOD ZONE HAS A 1% CHANCE OF BEING FLOODED IN ANY GIVEN YEAR. FLOOD ELEVATIONS HAVE BEEN DETERMINED (FEMA/FIRM MAP PANEL NUMBER 3720974200A DATED SEPTEMBER 20, 2006). BASE FLOOD ELEVATIONS DETERMINED TO BE 4.0' AMSL. ALL PROPOSED STRUCTURES ARE TO BE ABOVE 6.0' AMSL. SEE SUBSEQUENT CONSTRUCTION DRAWINGS FOR ELEVATIONS.
3. DEVELOPMENT WHICH WILL TAKE PLACE WITHIN THE LIMITS OF THE 100 YEAR FLOODPLAIN AT ELEVATION 6.0' AMSL IS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF EXECUTIVE ORDER NO. 123 - UNIFORM FLOODPLAIN MANAGEMENT POLICY.

LEGEND

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

WATER SUPPLY NOTE:

THE APPROVED WATER SUPPLY PER SECTION 508.1 OF THE NC FIRE CODE IS SATISFIED BY THE EXISTING FIRE HYDRANT LOCATED ON THE ACCESS DRIVE. THE DISTANCE BETWEEN THE PROPOSED SITE AND THE HYDRANT IS LESS THAN THE MAXIMUM DISTANCE ALLOWED PER SECTION 508.5.

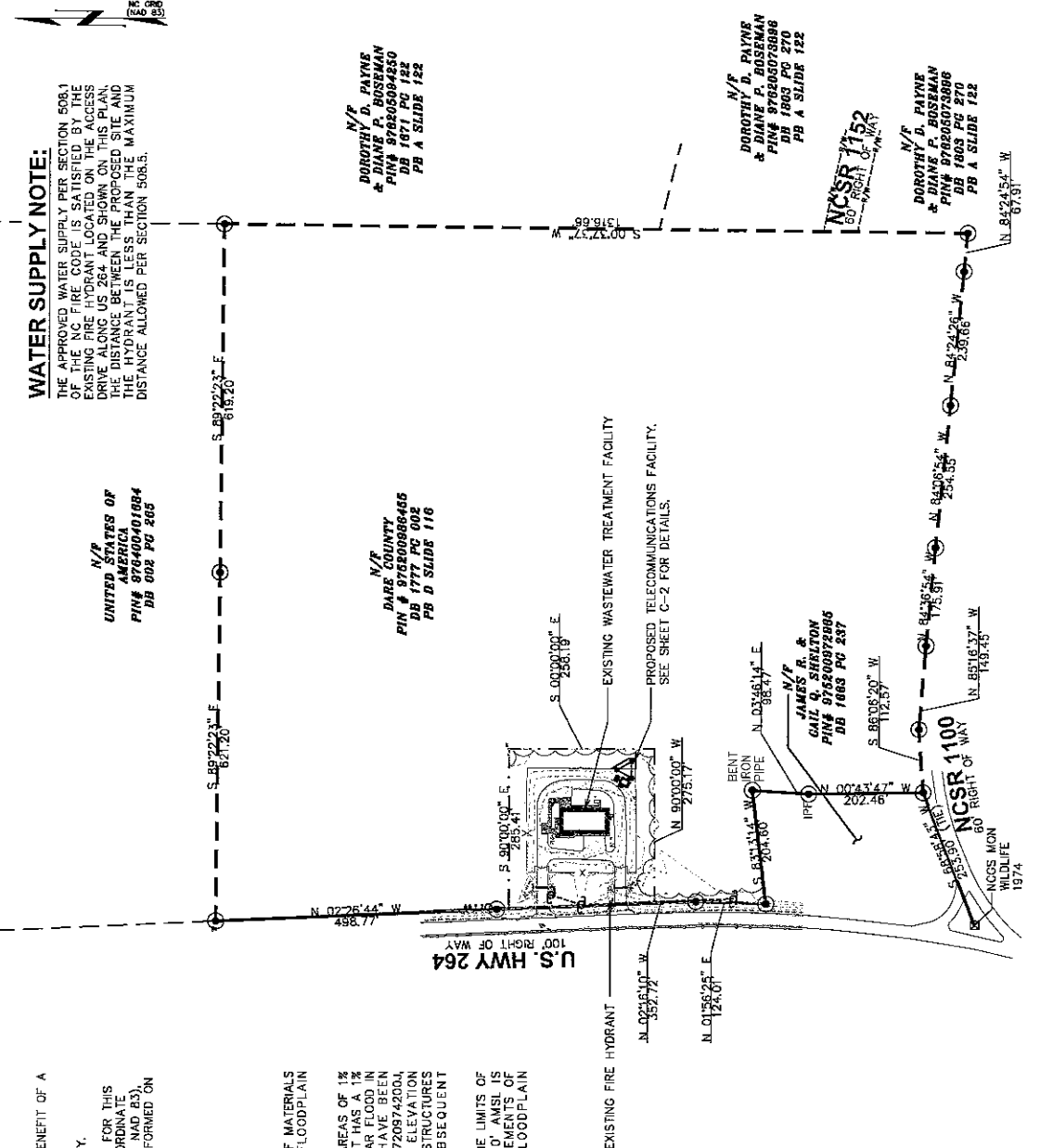
N/P
UNITED STATES OF
AMERICA
PIN# 976400401084
DB 002 PG 265





N/P
DARE COUNTY
PIN# 976200986465
DB 177 PG 002
PB D SLIDE 116

N/P
DOROTHY B. PAYNE
& DIANE P. BOSEMAN
PIN# 976200986465
DB 1971 PG 122
PB A SLIDE 122

N/P
DOROTHY B. PAYNE
& DIANE P. BOSEMAN
PIN# 976200986465
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& DIANE P. BOSEMAN
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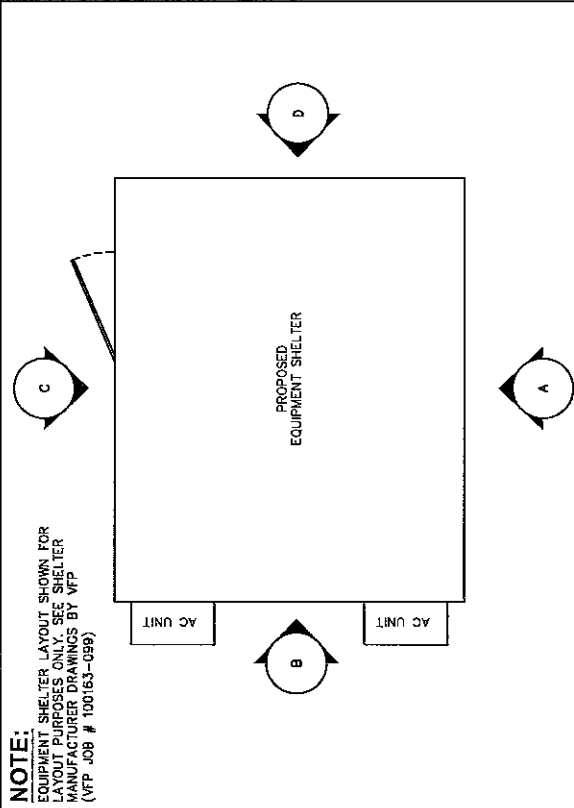


APPLICANT/OWNER:  P.O. BOX 1000 MANTO, NC 27954 OFFICE: (252) 475-5000		APPLICANT:  3318 GARNER ROAD, BLDG. 2 RALEIGH, NC 27607 OFFICE: (919) 662-4440		PROJECT INFORMATION: STUMPY POINT SITE #: HP-1357 SCO ID # 10-08449-01E 95 US HIGHWAY 264 STUMPY POINT, NC 27967 (DARE COUNTY)		PLANS PREPARED BY:  TOWER ENGINEERING PROFESSIONALS 3703 JUNCTION BOULEVARD RALEIGH, NC 27603-5263 OFFICE: (919) 661-6351 N.C. LICENSE # C-1794		SEAL:  February 16, 2011		<table border="1"> <tr> <td>1</td> <td>02-16-11</td> <td>CONSTRUCTION</td> </tr> <tr> <td>0</td> <td>01-20-11</td> <td>PRELIMINARY CONSTRUCTION</td> </tr> <tr> <td>REV</td> <td>DATE</td> <td>ISSUED FOR:</td> </tr> </table>		1	02-16-11	CONSTRUCTION	0	01-20-11	PRELIMINARY CONSTRUCTION	REV	DATE	ISSUED FOR:	<table border="1"> <tr> <td>DRAWN BY:</td> <td>ING</td> <td>CHECKED BY:</td> <td>JEG</td> </tr> <tr> <td colspan="4">SHEET TITLE:</td> </tr> </table>		DRAWN BY:	ING	CHECKED BY:	JEG	SHEET TITLE:			
1	02-16-11	CONSTRUCTION																												
0	01-20-11	PRELIMINARY CONSTRUCTION																												
REV	DATE	ISSUED FOR:																												
DRAWN BY:	ING	CHECKED BY:	JEG																											
SHEET TITLE:																														
SITE PLAN								SHEET NUMBER: C-1		REVISION: 1 TEP # 092562																				

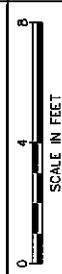
SITE PLAN

SCALE: 1" = 200'

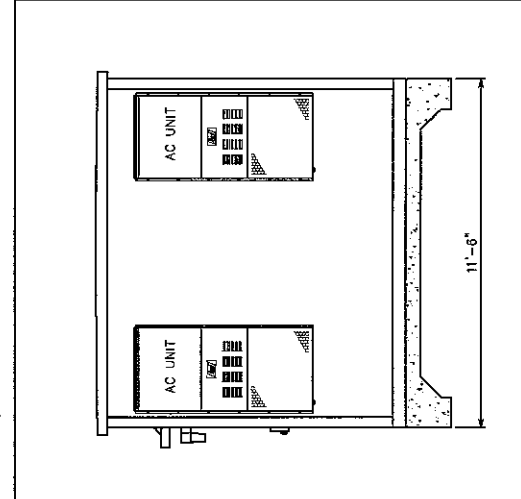
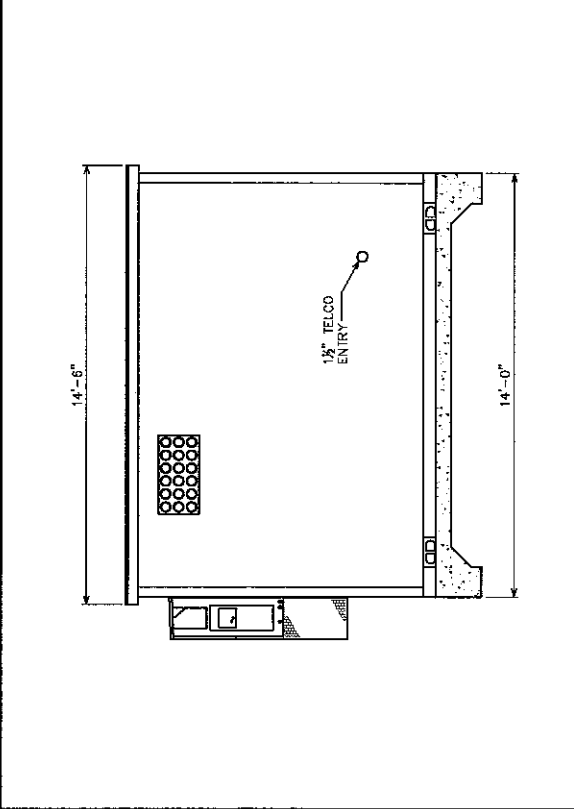
NOTE:
EQUIPMENT SHELTER LAYOUT SHOWN FOR
LAYOUT PURPOSES ONLY. SEE SHELTER
MANUFACTURER DRAWINGS BY VFP
(VFP JOB # 100163-059)



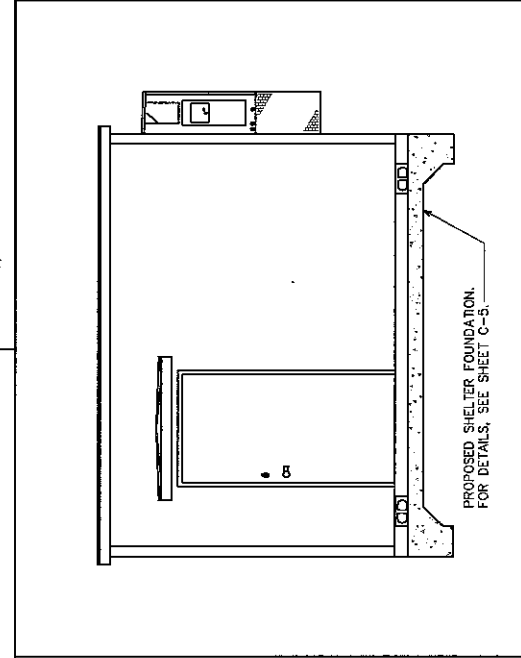
ELEVATION KEY
SCALE: 1/4" = 1'-0"



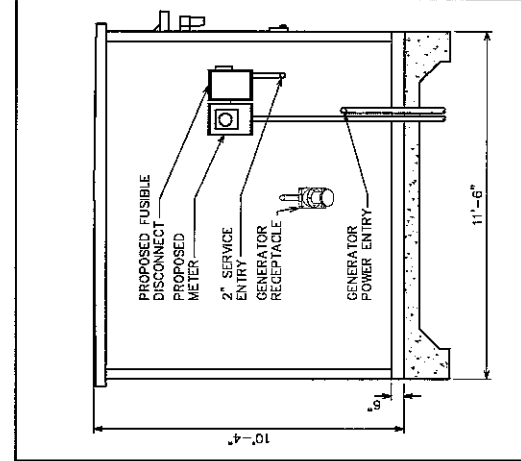
ELEVATION A
SCALE: 1/4" = 1'-0"



ELEVATION B
SCALE: 1/4" = 1'-0"




ELEVATION C
SCALE: 1/4" = 1'-0"



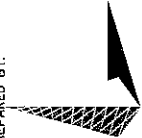
ELEVATION D
SCALE: 1/4" = 1'-0"

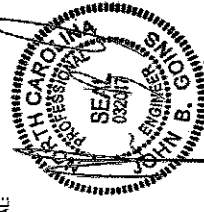
APPLICANT/OWNER:

P.O. BOX 1000
MANTO, NC 27854
OFFICE: (252) 475-5000

APPLICANT:

3318 GARNER ROAD, BLDG. 2
RALEIGH, NC 27607
OFFICE: (919) 682-4440

PROJECT INFORMATION:
STUMPY POINT
SITE #: HP-1357
SCO ID # 10-08449-01E
955 US HIGHWAY 258
STUMPY POINT, NC 27987
(DARE COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
3703 JUNCTION BOULEVARD
RALEIGH, NC 27603-5283
OFFICE: (919) 661-6351
N.C. LICENSE # C-1794

SEAL:


1	02-16-11	CONSTRUCTION
0	01-20-11	PRELIMINARY CONSTRUCTION
REV	DATE	ISSUED FOR:
DRAWN BY: JES CHECKED BY: JES		

SHEET TITLE:
**SHELTER
ELEVATIONS**

SHEET NUMBER:
C-4
REVISION:
1
TEP #: 092562