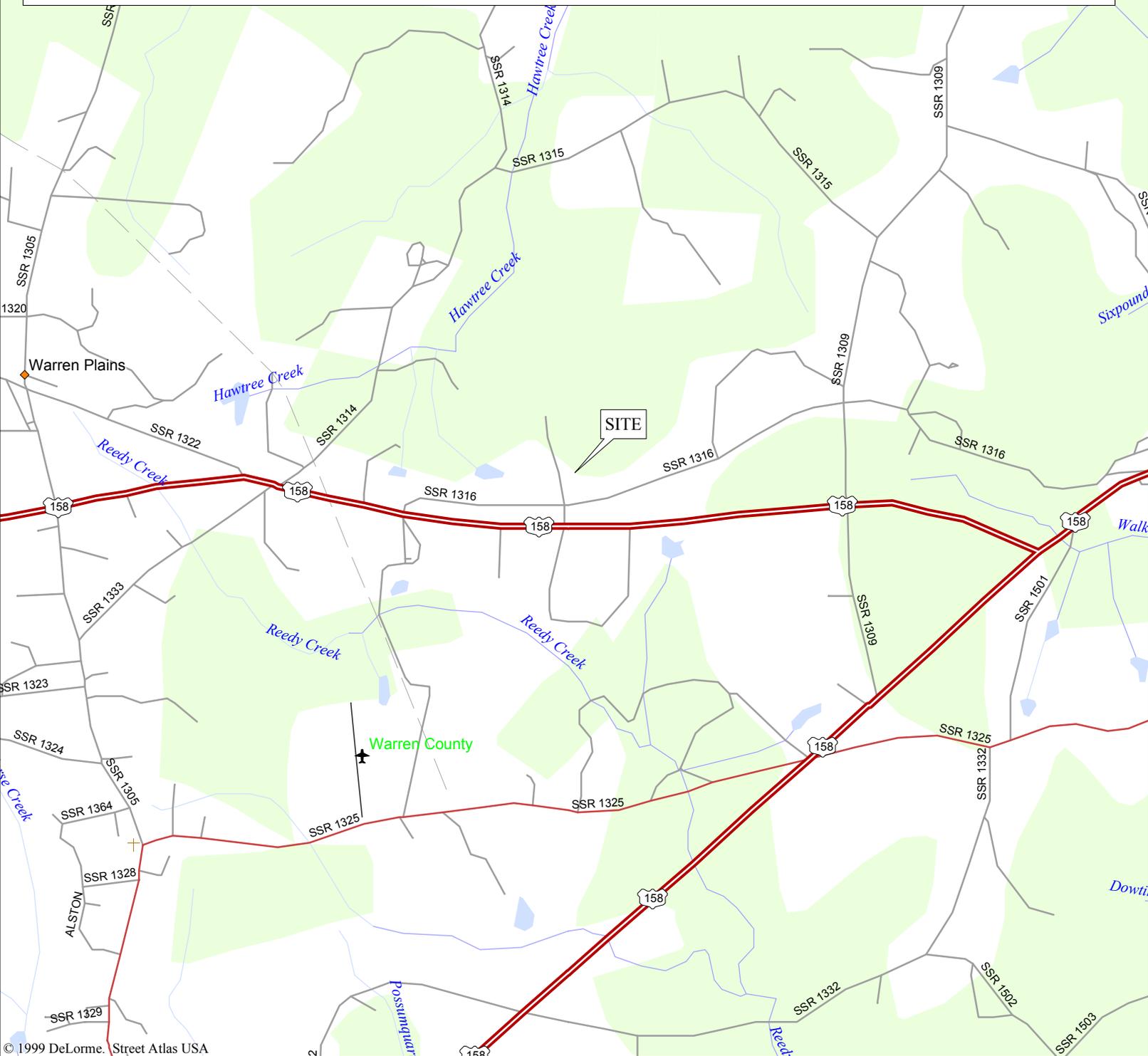


FIGURES

Figure 1: Site Vicinity Map

Warrenton Site Vicinity Map



Mag 14.00
 Wed Mar 07 14:23 2012
 Scale 1:31,250 (at center)
 2000 Feet
 1000 Meters

- | | | | |
|---|-----------------|---|--------------------|
|  | Local Road |  | Water |
|  | Major Connector |  | Woodland |
|  | US Highway |  | River/Canal |
|  | Utility/Pipe |  | Intermittent River |
|  | Airfield | | |
|  | Locale | | |
|  | Private Airport | | |
|  | Cemetery | | |

Figure 2: Topographic Map



Data use subject to license.
© 2004 DeLorme. Topo USA® 5.0.
www.delorme.com

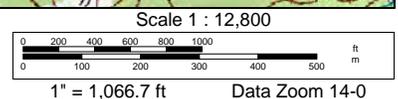
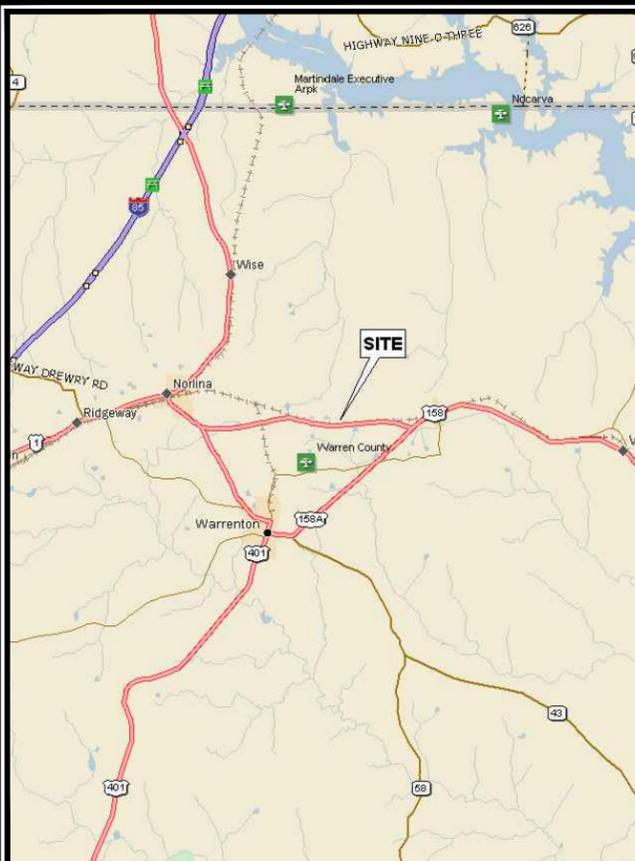
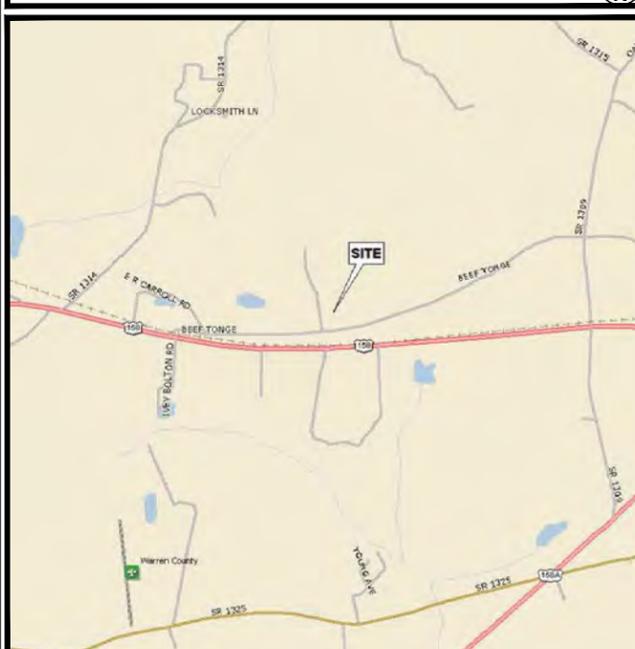


Figure 3: Site Plan



VICINITY MAP



LOCATION MAP

FROM RALEIGH, NC, TRAVEL NORTH ON US 401 FOR APPROXIMATELY 30 MILES INTO WARRENTON. CONTINUE STRAIGHT ON NORTH MAIN STREET FOR 2.5 MILES. TURN RIGHT ONTO US 158 AND CONTINUE STRAIGHT FOR 1.25 MILES TO BEEF TONGUE ROAD. TURN LEFT ONTO BEEF TONGUE ROAD. THE SITE WILL BE 0.5 OF A MILE ON YOUR LEFT AT A DIRT DRIVE WITH AN ACCESS GATE.

DRIVING DIRECTIONS

PROJECT INFORMATION:

PROPOSED TELECOMMUNICATIONS FACILITY

SITE NAME:
WARRENTON

SITE NUMBER:
HP-1299

SCO ID NUMBER:
10-08820-01F

AERONAUTICAL STUDY NO:
2011-ASO-5226-OE

SITE ADDRESS:
**261 BEEF TONGUE ROAD
WARRENTON, NC 27589
(WARREN COUNTY)**

LATITUDE N 36° 26' 15.117" (NAD '83)*
LONGITUDE W 078° 07' 28.841" (NAD '83)*
GROUND ELEVATION = 435.3' (AMSL)*

* COORDINATES PER 1A CERTIFICATION LETTER BY TOWER ENGINEERING PROFESSIONALS, INC., DATED MARCH 6, 2011

TOWER LOCATION

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

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

CODE COMPLIANCE

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

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

PROPERTY OWNER:
NAME WARREN COUNTY
ADDRESS P.O. BOX 619, 105 S. FRONT STREET
CITY, STATE, ZIP WARRENTON, NC 27589
CONTACT LINDA T. WORTH (WARREN COUNTY MANAGER)
PHONE (252) 257-3115

AREA OF CONSTRUCTION: 2,000 SQ. FT.±
PRESENT OCCUPANCY TYPE: VACANT LOT
PROPOSED OCCUPANCY TYPE: TELECOMMUNICATIONS FACILITY
CURRENT ZONING: N/A
PARCEL ID NUMBER: T.B.D.
JURISDICTION: WARREN COUNTY

UTILITIES:
POWER COMPANY: HALIFAX EMC
CONTACT: CUSTOMER SERVICE
PHONE: (252) 445-5111
METER # NEAR SITE: 77 140 190

TELEPHONE COMPANY: CENTURYLINK
CONTACT: CUSTOMER SERVICE
PHONE: (800) 366-8201
PEDESTAL # NEAR SITE: 1309R 28E

PROJECT SUMMARY

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

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

STRUCTURAL ENGINEER:
NAME N/A
ADDRESS N/A
CITY, STATE, ZIP N/A
CONTACT N/A
PHONE N/A

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

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

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

PROJECT TEAM

APPLICANT/OWNER:



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

 IF YOU DIG IN NORTH CAROLINA... CALL US FIRST!
1-800-632-4949

NORTH CAROLINA ONE CALL
IT'S THE LAW

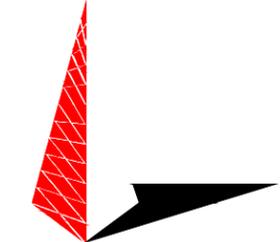
THE UTILITIES SHOWN HEREON ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL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

UTILITY STATEMENT

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

INDEX OF SHEETS

PLANS PREPARED BY:



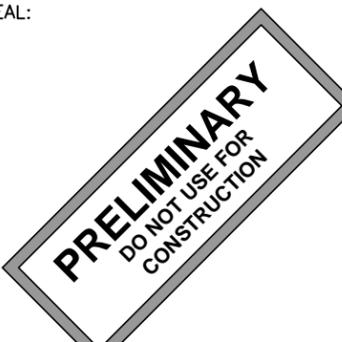
TOWER ENGINEERING PROFESSIONALS
3703 JUNCTION BOULEVARD
RALEIGH, NC 27603-5263
OFFICE: (919) 661-6351
www.tepgroup.net

N.C. LICENSE # C-1794

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

DRAWN BY: TRG CHECKED BY: JBG

SEAL:



SEAL:

SHEET NUMBER: **T-1** REVISION: **0**
TEP #: 113098

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 OCTOBER 04, 2011.
4. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X," AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN (FEMA/FIRM MAP NUMBER 3720294600J).
6. SUBJECT PIN: T.B.D.
7. PROPERTY OWNER:
LINDA T. WORTH (WARREN COUNTY MANAGER)

EASEMENT LINE DATA

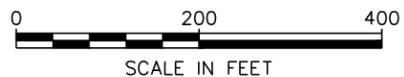
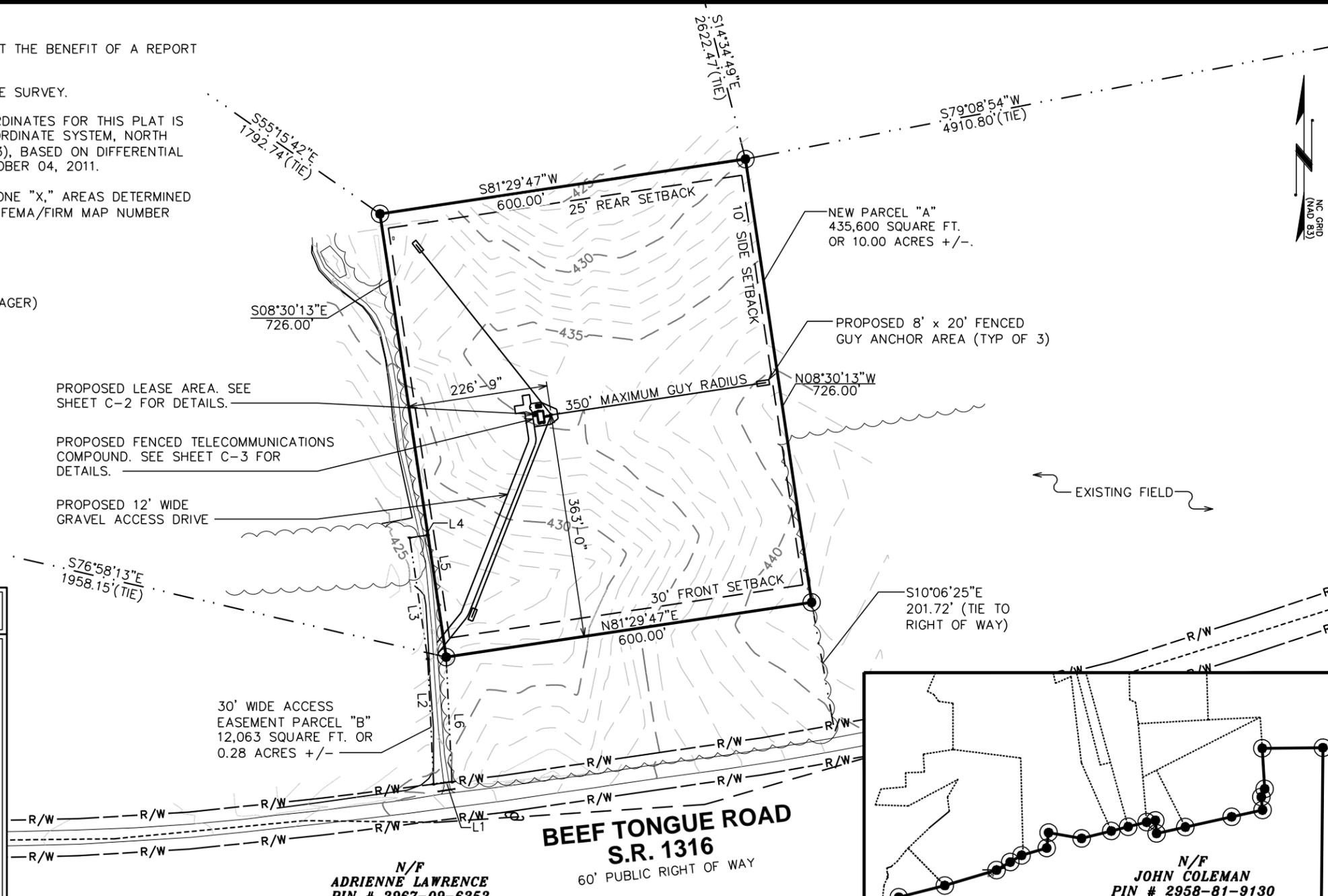
| LINE | BEARING | DISTANCE |
|------|-------------|----------|
| L1 | S82°39'26"W | 30.10' |
| L2 | N02°41'39"W | 203.32' |
| L3 | N08°30'13"W | 198.48' |
| L4 | N81°29'47"E | 30.00' |
| L5 | S08°30'13"E | 200.00' |
| L6 | S02°41'39"E | 202.40' |

LEGEND

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

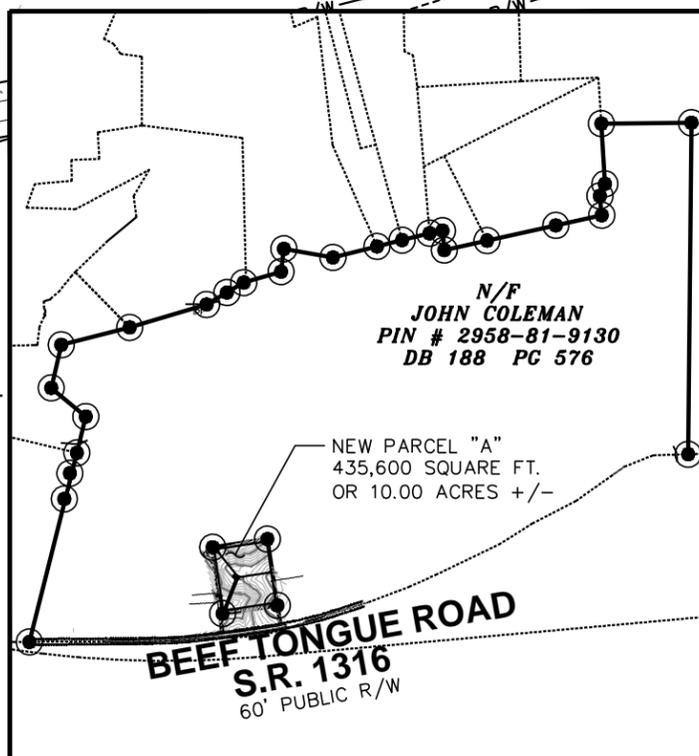
SITE PLAN

SCALE: 1" = 200'



PARCEL OVERVIEW

SCALE: 1" = 2000'



PLANS PREPARED FOR:

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

PROJECT INFORMATION:
WARRENTON
SITE # HP-1299
SCO ID # 10-08820-01F
 261 BEEF TONGUE ROAD
 WARRENTON, NC 27589
 (WARREN COUNTY)

PLANS PREPARED BY:

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

SEAL:

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

DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C-1

REVISION:
0
 TEP #: 113098

ANSI/TIA-222-G DESIGN NOTE:

THE PROPOSED TOWER SHALL BE DESIGNED PER THE FOLLOWING PARAMETERS:

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

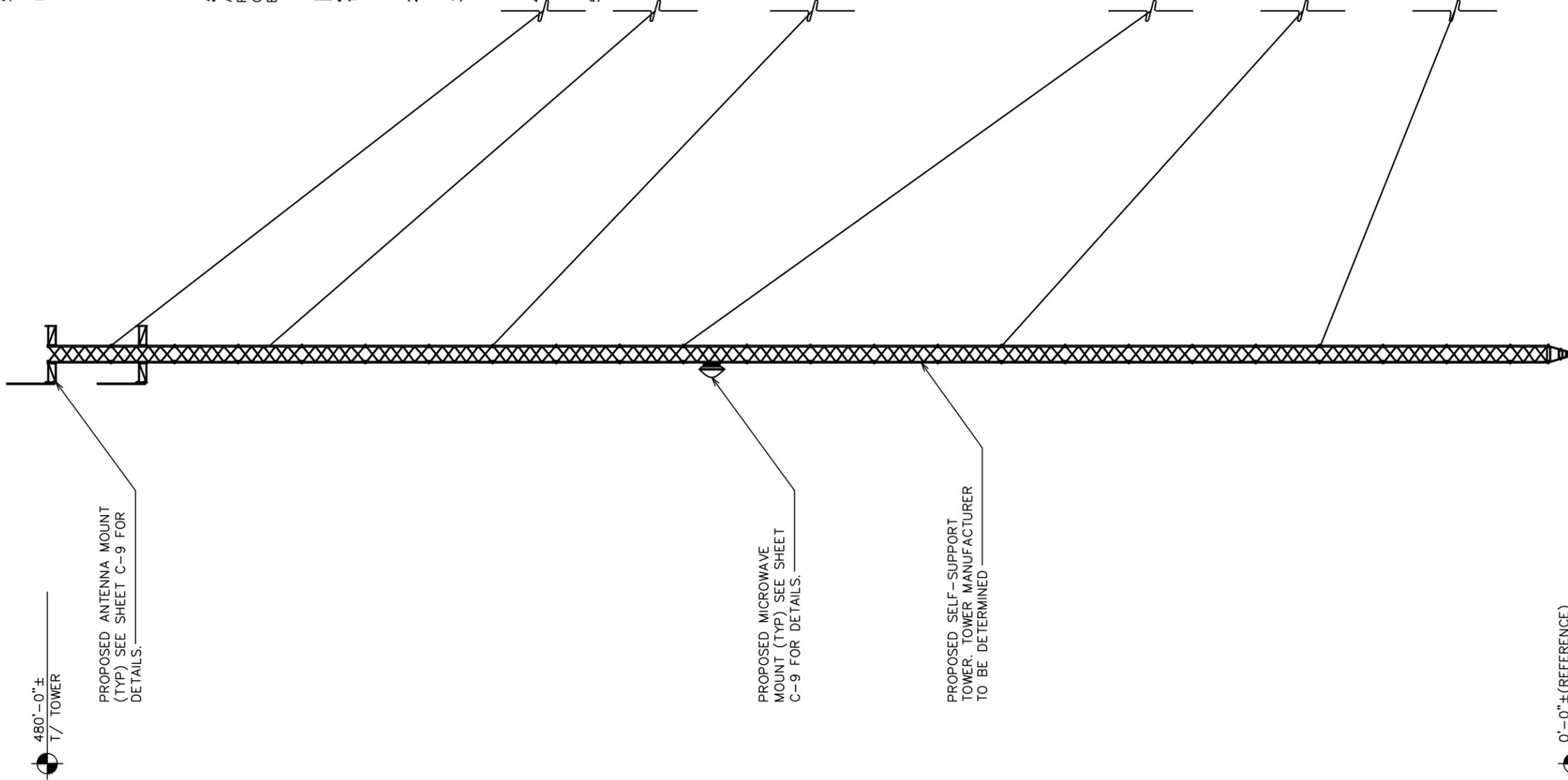
** DESIGN WIND SPEED:
 90mph(3sec GUST), 76mph(FATEST MILE)

ANTENNA MOUNT NOTE:

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

NOTES:

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



480'-0"±
T/ TOWER

PROPOSED ANTENNA MOUNT
(TYP) SEE SHEET C-9 FOR
DETAILS.

PROPOSED MICROWAVE
MOUNT (TYP) SEE SHEET
C-9 FOR DETAILS.

PROPOSED SELF-SUPPORT
TOWER. TOWER MANUFACTURER
TO BE DETERMINED

0'-0"±(REFERENCE)
T/ CONCRETE

TOWER ELEVATION

SCALE: 1" = 30'



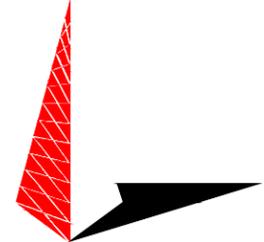
PLANS PREPARED FOR:



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

PROJECT INFORMATION:
WARRENTON
SITE # HP-1299
SCO ID # 10-08820-01F
 261 BEEF TONGUE ROAD
 WARRENTON, NC 27589
 (WARREN COUNTY)

PLANS PREPARED BY:



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

SEAL:

PRELIMINARY
 DO NOT USE FOR
 CONSTRUCTION

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

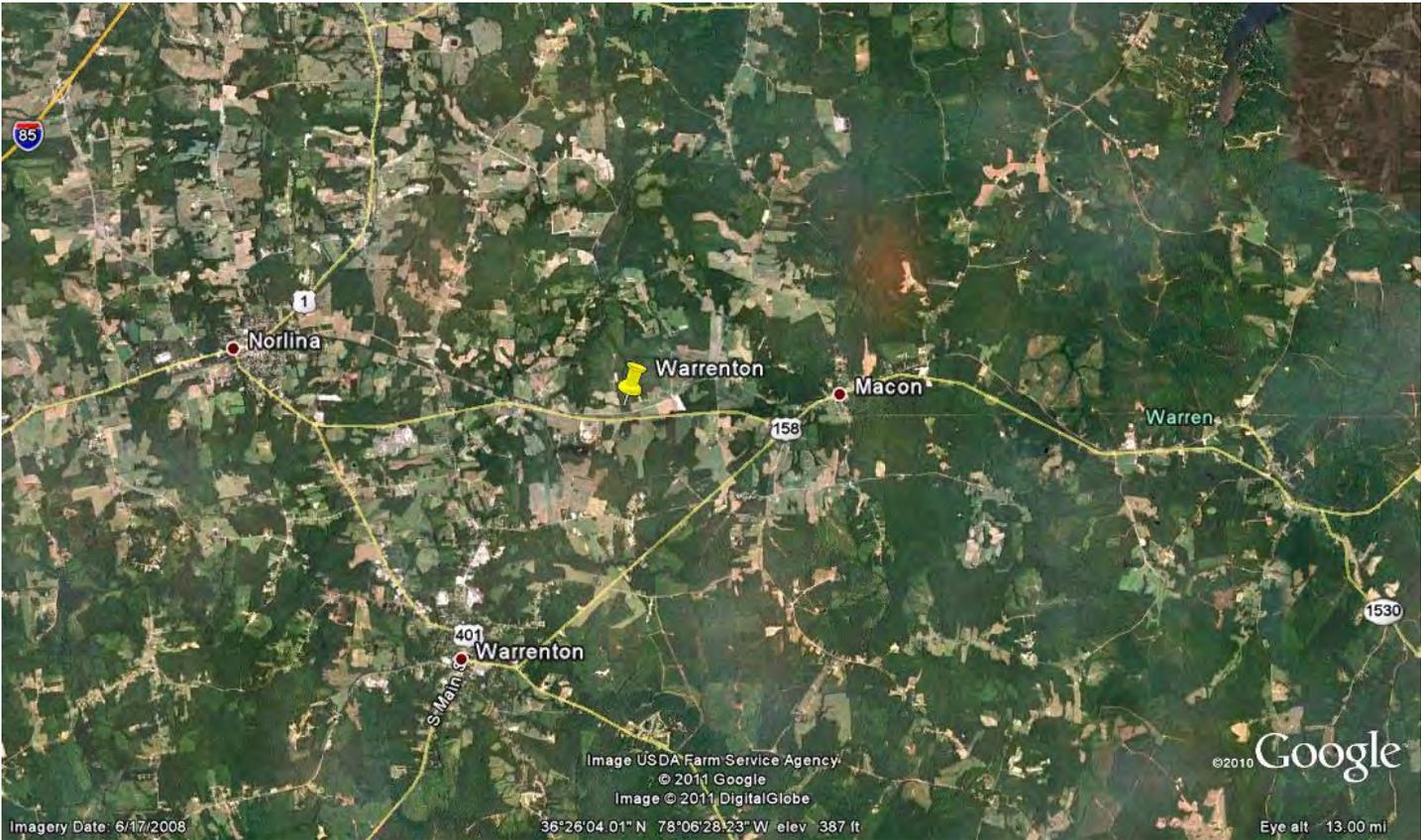
DRAWN BY: TRG | CHECKED BY: JBG

SHEET TITLE:

**TOWER
ELEVATION**

| | |
|-----------------------------|-----------------------|
| SHEET NUMBER: C-4 | REVISION: 0 |
| TEP #: 113098 | |

Figure 4: Aerial Photograph



85

1

Norlina

Warrenton

Macon

Warren

158

1530

401

Warrenton

S. Main St.

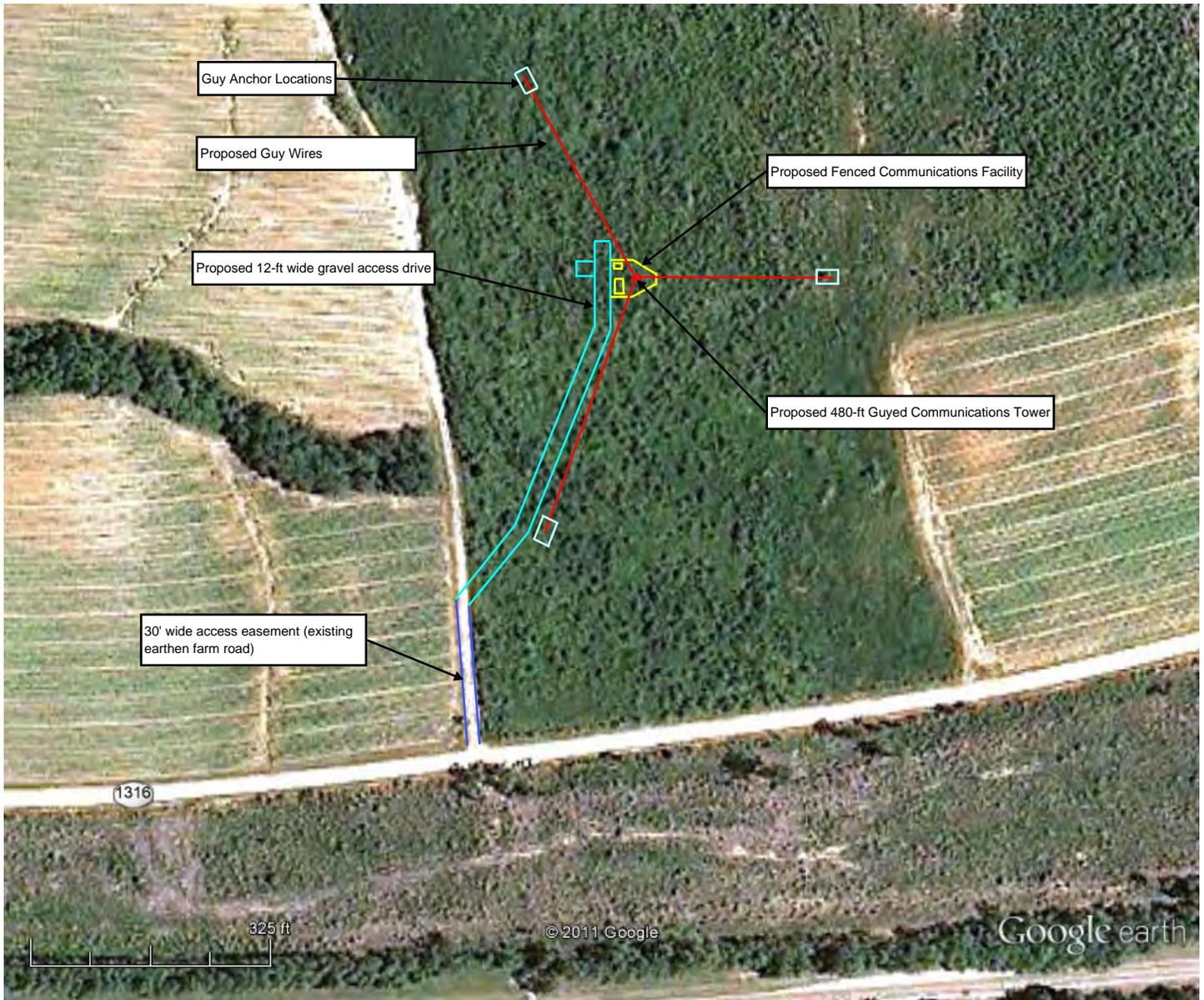
Image USDA Farm Service Agency
© 2011 Google
Image © 2011 DigitalGlobe

©2010 Google

Imagery Date: 6/17/2008

36°26'04.01" N 78°06'28.23" W elev 387 ft

Eye alt 13.00 mi



Google earth



Figure 5: FEMA Flood Insurance Rate Map

2 200 000 FEET
 757⁰⁰⁰ M
 78°08'00" JOINS PANEL 2958 758⁰⁰⁰ M 2 260 000 FEET
 78°07'00"



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



PANEL 2946J

FIRM
FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 2946

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

CONTAINS:

| COMMUNITY | CID No. | PANEL | SUFFIX |
|------------------|---------|-------|--------|
| NORLINA, TOWN OF | 370594 | 2946 | J |
| WARREN COUNTY | 370396 | 2946 | J |

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

EFFECTIVE DATE **MAP NUMBER**
APRIL 16, 2007 **3720294600J**



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 EVENT

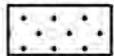
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE,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

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



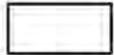
FLOODWAY AREAS IN ZONE AE

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



OTHER FLOOD AREAS

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

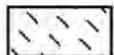


OTHER AREAS

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



COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS



OTHERWISE PROTECTED AREAS (OPAs)

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

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



GRID NORTH

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



PANEL 2946J

FIRM

**FLOOD INSURANCE RATE MAP
NORTH CAROLINA**

PANEL 2946

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

CONTAINS:

| COMMUNITY | CID No. | PANEL | SUFFIX |
|------------------|---------|-------|--------|
| NORLINA, TOWN OF | 370594 | 2946 | J |
| WARREN COUNTY | 370056 | 2946 | J |

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

EFFECTIVE DATE MAP NUMBER
APRIL 16, 2007 3720294600J



State of North Carolina
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

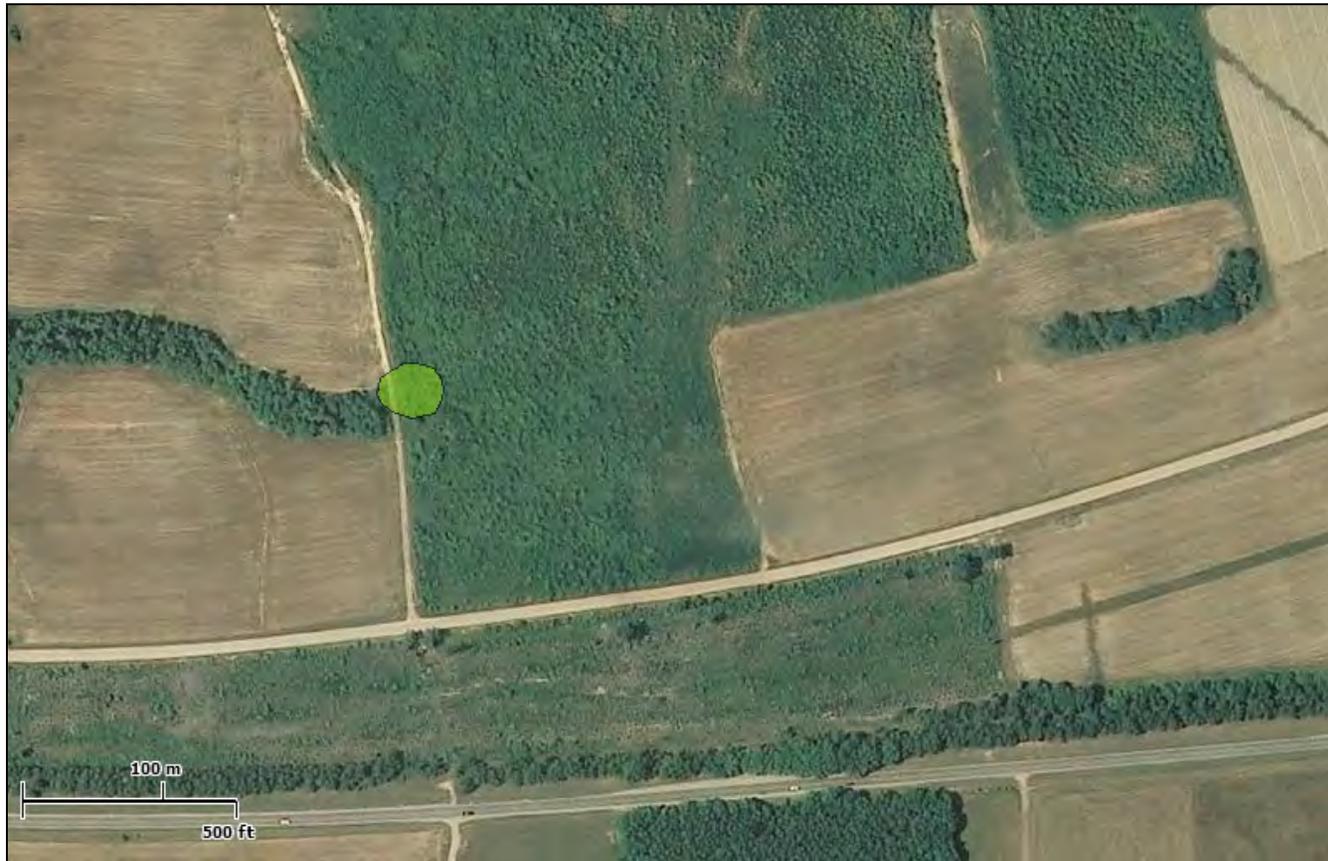
Figure 6: National Wetland Inventory Map



U.S. Fish and Wildlife Service National Wetlands Inventory

Warren

Aug 22, 2011



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

Figure 7: Geologic Map



Google earth

feet 4000
km 1





Mineral Resources On-Line Spatial Data

[Mineral Resources](#) > [Online Spatial Data](#) > [Geology](#) > [by state](#) > [North Carolina](#)

Granitic Rock

Granitic Rock (265-325 my) - megacrystic to equigranular. Castalia, Lillington, Medoc Mountain, Sims, Contentnea Creek (?), and Elm City (?) intrusives.

State [North Carolina](#)

Name Granitic Rock

Geologic age Permian/Pennsylvanian

Original map label PPg

Primary rock type [granite](#)

Secondary rock type

Other rock types

Map references The North Carolina Dept. of Environment, Health, and Natural Resources, Division of Land Resources, NC Geological Survey, in cooperation with the NC Center for Geographic Information and Analysis, 1998, Geology - North Carolina (1:250,000), coverage data file geol250. The data represents the digital equivalent of the official State Geology map (1:500,000 scale), but was digitized from (1:250,000 scale) base maps.

Unit references Rhodes, Thomas S., and Conrad, Stephen G., 1985, Geologic Map of North Carolina: Department of Natural Resources and Community Development, Division of Land Resources, and the NC Geological Survey, 1:500,000-scale, compiled by Brown, Philip M., et al, and Parker, John M. III, and in association with the State Geologic Map Advisory Committee.

The North Carolina Dept. of Environment, Health, and Natural Resources, Division of Land Resources, NC Geological Survey, in cooperation with the NC Center for Geographic Information and Analysis, 1998, Geology - North Carolina (1:250,000), coverage data file geol250. The data represents the digital equivalent of the official State Geology map (1:500,000 scale), but was digitized from (1:250,000 scale) base maps.

Geographic coverage [Anson](#) - [Cabarrus](#) - [Caswell](#) - [Davidson](#) - [Davie](#) - [Forsyth](#) - [Franklin](#) - [Granville](#) - [Guilford](#) - [Halifax](#) - [Harnett](#) - [Iredell](#) - [Nash](#) - [Richmond](#) - [Rockingham](#) - [Rowan](#) - [Stokes](#) - [Warren](#) - [Wilson](#) - [Yadkin](#)

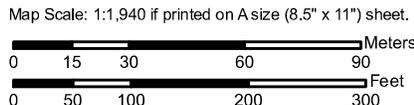
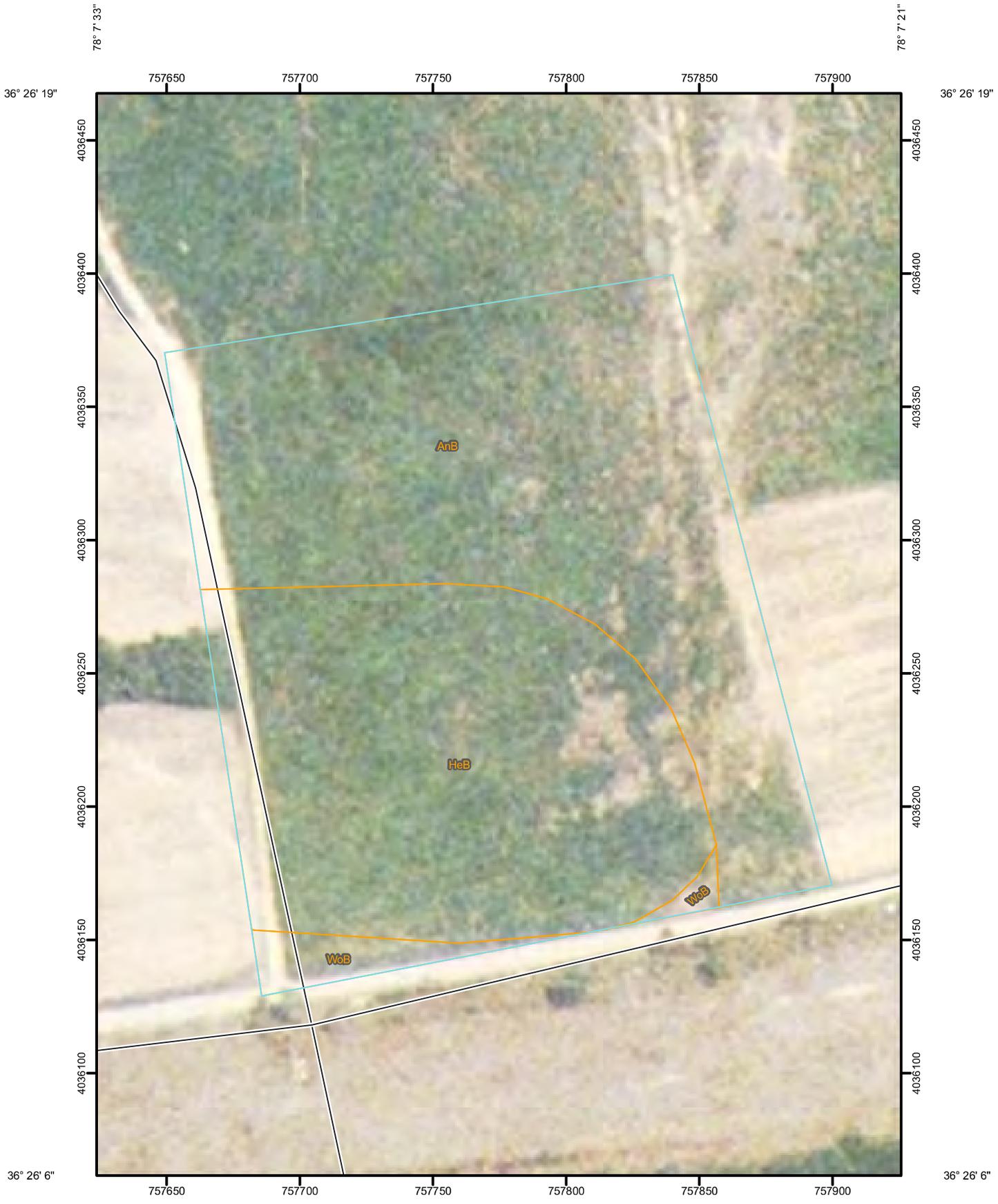
U.S. Department of the Interior | U.S. Geological Survey

URL: <http://tin.er.usgs.gov/geology/state/ak/akgeo-unit.php?unit=>

Page Contact Information: [Peter Schweitzer](#)

Figure 8: Soils Map

Soil Map—Warren County, North Carolina
(Warrenton)



MAP LEGEND

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

MAP INFORMATION

Map Scale: 1:1,940 if printed on A size (8.5" x 11") sheet.

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

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

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

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

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

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

Soil Survey Area: Warren County, North Carolina
Survey Area Data: Version 7, Jul 7, 2010

Date(s) aerial images were photographed: 6/9/2006

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

Map Unit Legend

| Warren County, North Carolina (NC185) | | | |
|---------------------------------------|---|--------------|----------------|
| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
| AnB | Appling sandy loam, 2 to 6 percent slopes | 6.5 | 53.3% |
| HeB | Helena sandy loam, 2 to 6 percent slopes | 5.3 | 43.5% |
| WoB | Wedowee sandy loam, 2 to 6 percent slopes | 0.4 | 3.2% |
| Totals for Area of Interest | | 12.2 | 100.0% |

Appendices

Appendix A: Site Photographs



1. View facing north from Beef Tongue Road along existing earthen road towards proposed access extension.



2. View from existing earthen road facing west- northwest towards proposed access easement extension through undeveloped forested land uses.



3. View facing west towards proposed tower compound lease area.



4. View facing east towards proposed tower compound lease area.

Appendix B: FCC NEPA Land Use Compliance Checklist



**NEPA COMPLIANCE CHECKLIST
PROPOSED 480-FOOT GUYED
COMMUNICATIONS TOWER**

**SITE NAME: WARRENTON
SITE NUMBER: HP-1299**

**261 BEEF TONGUE ROAD
WARRENTON, NC
(WARREN COUNTY)**

**LATITUDE: N 36° 26' 13.0" ±
LONGITUDE: W 78° 07' 28.5" ±**

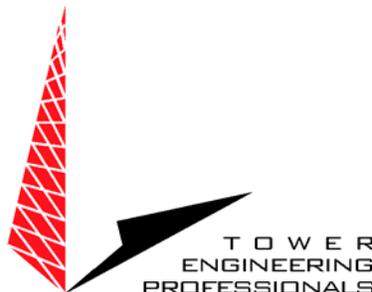
**DATE INSPECTED: AUGUST 23, 2011
DATE NEPA ISSUED: DECEMBER 21, 2011**



COMPLETED BY:

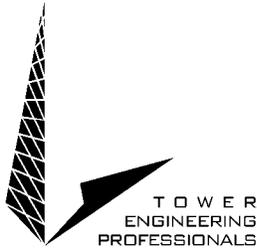
George T. Swearingen, III

Of



**Project Site Specific
NEPA Compliance Checklist
North Carolina Highway Patrol Site
Warrenton
HP-1299**

December 21, 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-1299
Warrenton Site
261 Beef Tongue Road
Warrenton, Warren 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 **480-ft AGL Guyed Communications Tower** for the site designated as **Warrenton (NC Highway Patrol Site # HP-1299)**, 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 **Warren County, NC**. The parent property and the adjacent properties were occupied by a mix of agricultural and undeveloped forested land uses at the time of the site inspection.

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

TEP, with the assistance of Archeological Consultants of the Carolinas, Inc. conducted the Section 106 of the NHPA portion of the NEPA checklist and the Native American consultation. TEP filed the proposed **Warrenton** site with the FCC Tower Construction Notification System (TCNS) on **10/21/11** and was assigned TCNS # **80486**. TEP has received correspondence from all of the applicable tribes with known ancestral and/or aboriginal rights to **Warren County, NC** as identified by the FCC TCNS.

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

Sincerely

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

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

Section I – NEPA Checklist

FCC NEPA COMPLIANCE AUDIT CHECKLIST



WARRENTON SITE 480-FT GUYED TOWER NC HIGHWAY PATROL – DEPARTMENT OF CRIME CONTROL WARRENTON, NC WARREN COUNTY

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

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

RF Exposure Screening Under NEPA

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

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

| | |
|--|-------------------------|
| TOWER ENGINEERING PROFESSIONALS, INC. | Date: December 21, 2011 |
| Print Name: George T. Swearingen, III | Signature: |

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

1. Designated Wilderness Areas – Based on a review of the National Wilderness Institute Map of Wilderness Areas, Wild & Scenic Rivers, National Natural Landmarks and UN Biosphere Reserves, dated 1995, and the Wilderness.net - U.S. National Wilderness Preservation System Map, the proposed tower site is not located within an officially designated wilderness area.
2. Designated Wildlife Preserves – Based on a review of the US Fish and Wildlife Service: National Wildlife Refuge System Map, dated September 30, 2004, the proposed tower site is not located within an officially designated wildlife preserve.
- 3A. Listed Threatened or Endangered Species or Designated Critical Habitats - Based on a review of the element occurrences of federally listed threatened and endangered species and their critical habitats within a 2-mile radius of the proposed tower site, as obtained from the North Carolina Department of Environment and Natural Resources: Natural Heritage Program Online Virtual Workroom, an on-site investigation, and correspondence with the USFWS-Raleigh Field Office, no listed threatened or endangered species occur at the proposed tower site. In addition, no critical habitats were identified on the proposed tower site. Therefore, it is not likely that the construction of the proposed tower will affect threatened or endangered species or their critical habitats.
- 3B. Proposed Threatened or Endangered Species or Proposed Critical Habitats - Based on a review of the element occurrences of federally listed threatened and endangered species and their critical habitats within a 2-mile radius of the proposed tower site, as obtained from the North Carolina Department of Environment and Natural Resources: Natural Heritage Program Online Virtual Workroom, an on-site investigation, and correspondence with the USFWS-Raleigh Field Office, none of the proposed threatened or endangered species occur on the proposed tower site. The proposed tower site is not located within an area qualifying as proposed critical habitats. Further, the construction of the proposed tower is not likely to adversely impact proposed threatened or endangered species or their critical habitats.
4. Historical Places – Based on the results of our coordination with the Warren County Historical Association, Warren County – County Manager, Warren County Economic Development, and the North Carolina Department of Cultural Resources – State Historic Preservation Office (NCDCCR-SHPO), the construction of the proposed tower will “Not Affect” properties listed on or eligible for listing on the National Register of Historic Places within the 1.5-mile Area of Potential Effect (APE).
5. Indian Religious Sites – Based upon a review of available information obtained from the North Carolina Department of Cultural Resources, the Native American Consultative Database, the Bureau of Indian Affairs-Indian Reservations in the Continental United States, dated 5/96, and the responses to the FCC-Tower Construction Notification ID #80486, no known Indian religious sites will be affected by the proposed tower site.
6. Floodplains – Based on a review of the floodplain map of the area (FIRM Community-Panel No. 3720294600J, dated April 16, 2007), the proposed tower site is not located within a special flood hazard area as determined by FEMA.
7. Surface Features – Based on our on-site investigation and a review of the National Wetland Inventory map of the area, the proposed tower is not anticipated to result in a significant change or modification to surface features such as fill in jurisdictional wetlands, deforestation, or water diversion.
8. Zoning/High Intensity White Lights – The proposed tower is 480-feet AGL and the use of high intensity white lights should not be necessary. The proposed tower is anticipated to be equipped with a dual mode lighting system that utilizes medium intensity lights.
- 9A. Radio Frequency Emissions – Based on the specified elevation of the proposed antennas (>10 meters) and because the site will be located within a restricted area, no further study concerning radio frequency emissions is required.

Section II - FCC 620

Notification Date:

New Tower ("NT") Submission Packet

See instructions for

File Number:

public burden estimates

General Information

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

Applicant Information

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

Contact Name

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

Contact Information

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

Consultant Information

| |
|--|
| 18) FCC Registration Number (FRN): 0018456939 |
| 19) Name: Archaeological Consultants of the Carolinas, Inc. |

Principal Investigator

| | | | |
|--|------------------|------------------------------|-------------|
| 20) First Name: Michael | 21) MI: K | 22) Last Name: O Neal | 23) Suffix: |
| 24) Title: Senior Archaeologist | | | |

Principal Investigator Contact Information

| | | | |
|---|----------------|--|----------------------------|
| 25) P.O. Box: | And /Or | 26) Street Address: 121 East First Street | |
| 27) City: Clayton | | 28) State: NC | 29) Zip Code: 27520 |
| 30) Telephone Number: (919)553-9007 | | 31) Fax Number: (919)553-9077 | |
| 32) E-mail Address: michaeloneal@archconsultants.org | | | |

Professional Qualification

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

Additional Staff

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

If "YES," complete the following:

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

Site Information

Tower Construction Notification System

1) TCNS Notification Number: **80486**

Site Information

2) Site Name: **Warrenton**

3) Site Address: **261 Beef Tongue Road**

4) City: **Warrenton**

5) State: **NC**

6) Zip Code: **27563**

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

8) Nearest Crossroads: **Beef Tongue Road/US 158**

9) NAD 83 Latitude (DD-MM-SS.S): **36-26-13.0**

() N or () S

10) NAD 83 Longitude (DD-MM-SS.S): **078-07-28.5**

() E or () W

Tower Information

11) Tower height above ground level (include top-mounted attachments such as lightning rods): **150.9** _____ () Feet () Meters

12) Tower Type (Select One):

() Guyed lattice tower

() Self-supporting lattice

() Monopole

() Other (Describe):

Project Status

13) Current Project Status (Select One):

() Construction has not yet commenced

() Construction has commenced, but is not completed

Construction commenced on: _____

() Construction has been completed

Construction commenced on: _____

Construction completed on: _____

Determination of Effect

14) Direct Effects (Select One):

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

15) Visual Effects (Select One):

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

Tribal/NHO Involvement

| | |
|--|---|
| 1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects? | (<input checked="" type="checkbox"/>) <u>Yes</u> (<input type="checkbox"/>) <u>No</u> |
| 2a) Tribes/NHOs contacted through TCNS Notification Number: <u>80486</u> Number of Tribes/NHOs: <u>5</u> | |
| 2b) Tribes/NHOs contacted through an alternate system: Number of Tribes/NHOs: <u>0</u> | |

Tribes/NHO Contacted Through TCNS

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

Contact Name

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

Dates & Response

| | |
|--|------------------------|
| 10) Date Contacted <u>10/27/2011</u> | 11) Date Replied _____ |
| (<input checked="" type="checkbox"/>) No Reply | |
| (<input type="checkbox"/>) Replied/No Interest | |
| (<input type="checkbox"/>) Replied/Have Interest | |
| (<input type="checkbox"/>) Replied/Other | |

Tribes/NHO Contacted Through TCNS

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

Contact Name

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

Dates & Response

| | |
|--|------------------------|
| 10) Date Contacted <u>10/26/2011</u> | 11) Date Replied _____ |
| (<input checked="" type="checkbox"/>) No Reply | |
| (<input type="checkbox"/>) Replied/No Interest | |
| (<input type="checkbox"/>) Replied/Have Interest | |
| (<input type="checkbox"/>) Replied/Other | |

Tribal/NHO Involvement

| | |
|--|---|
| 1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects? | (<input checked="" type="checkbox"/>) <u>Yes</u> (<input type="checkbox"/>) <u>No</u> |
| 2a) Tribes/NHOs contacted through TCNS Notification Number: <u>80486</u> Number of Tribes/NHOs: <u>5</u> | |
| 2b) Tribes/NHOs contacted through an alternate system: Number of Tribes/NHOs: <u>0</u> | |

Tribes/NHO Contacted Through TCNS

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

Contact Name

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

Dates & Response

| | |
|--|------------------------|
| 10) Date Contacted <u>10/26/2011</u> | 11) Date Replied _____ |
| <input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other | |

Tribes/NHO Contacted Through TCNS

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

Contact Name

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

Dates & Response

| | |
|--|------------------------------------|
| 10) Date Contacted <u>10/27/2011</u> | 11) Date Replied <u>11/03/2011</u> |
| <input type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input checked="" type="checkbox"/> Replied/Other | |

Tribal/NHO Involvement

| | |
|--|---|
| 1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects? | (<input checked="" type="checkbox"/>) <u>Yes</u> (<input type="checkbox"/>) <u>No</u> |
| 2a) Tribes/NHOs contacted through TCNS Notification Number: <u>80486</u> | Number of Tribes/NHOs: <u>5</u> |
| 2b) Tribes/NHOs contacted through an alternate system: | Number of Tribes/NHOs: <u>0</u> |

Tribe/NHO Contacted Through TCNS

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

Contact Name

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

Dates & Response

| | |
|--|------------------------|
| 10) Date Contacted <u>10/27/2011</u> | 11) Date Replied _____ |
| (<input checked="" type="checkbox"/>) No Reply | |
| (<input type="checkbox"/>) Replied/No Interest | |
| (<input type="checkbox"/>) Replied/Have Interest | |
| (<input type="checkbox"/>) Replied/Other | |

Other Tribes/NHOs Contacted

Tribe/NHO Information

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

Contact Name

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

Contact Information

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

Dates & Response

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

Historic Properties

Properties Identified

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

Historic Property

| |
|----------------------|
| 4) Property Name: |
| 5) SHPO Site Number: |

Property Address

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

Status & Eligibility

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

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

Local Government Involvement

Local Government Agency

| |
|--|
| 1) FCC Registration Number (FRN): |
| 2) Name: Warren County Economic Development |

Contact Name

| | | | |
|-------------------------------|--------|-------------------------------------|------------|
| 3) First Name: To Whom | 4) MI: | 5) Last Name: It May Concern | 6) Suffix: |
| 7) Title: | | | |

Contact Information

| | | |
|--|--------------------------------------|--|
| 8) P.O. Box: P. O. Box 804 | And /Or | 9) Street Address: 501 US Hwy 158 Business East |
| 10) City: Warrenton | 11) State: NC | 12) Zip Code: 27589 |
| 13) Telephone Number: (252)257-3114 | 14) Fax Number: (252)257-2277 | |
| 15) E-mail Address: edc@warrencountync.org | | |
| 16) Preferred means of communication: () E-mail (X) Letter () Both | | |

Dates & Response

| | |
|--------------------------------------|------------------------|
| 17) Date Contacted 11/04/2011 | 18) Date Replied _____ |
| (X) No Reply | |
| () Replied/No Interest | |
| () Replied/Have Interest | |
| () Replied/Other | |

Additional Information

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

Local Government Involvement

Local Government Agency

| |
|-----------------------------------|
| 1) FCC Registration Number (FRN): |
| 2) Name: Warren County |

Contact Name

| | | | |
|---------------------------------|--------|----------------------------|------------|
| 3) First Name: Linda | 4) MI: | 5) Last Name: Worth | 6) Suffix: |
| 7) Title: County Manager | | | |

Contact Information

| | | |
|--|--------------------------------------|--|
| 8) P.O. Box: | And /Or | 9) Street Address: 105 Front Street |
| 10) City: Warrenton | 11) State: NC | 12) Zip Code: 27589 |
| 13) Telephone Number: (252)257-3115 | 14) Fax Number: (252)257-5971 | |
| 15) E-mail Address: lworth@co.warren.nc.us | | |
| 16) Preferred means of communication: () E-mail (X) Letter () Both | | |

Dates & Response

| | |
|--------------------------------------|------------------------|
| 17) Date Contacted <u>11/04/2011</u> | 18) Date Replied _____ |
| (X) No Reply | |
| () Replied/No Interest | |
| () Replied/Have Interest | |
| () Replied/Other | |

Additional Information

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

Other Consulting Parties

Other Consulting Parties Contacted

| | |
|--|---|
| 1) Has any other agency been contacted and invited to become a consulting party? | (<input checked="" type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o |
|--|---|

Consulting Party

| |
|--|
| 2) FCC Registration Number (FRN): |
| 3) Name: Warren County Historical Association |

Contact Name

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

Contact Information

| | | |
|---|--------------------------------------|---|
| 9) P.O. Box: | And /Or | 10) Street Address: 210 Plummer Street |
| 11) City: Warrenton | 12) State: NC | 13) Zip Code: 27589 |
| 14) Telephone Number: (111)111-1111 | 15) Fax Number: (111)111-1111 | |
| 16) E-mail Address: unknown@unknown.com | | |
| 17) Preferred means of communication: (<input type="checkbox"/>) E-mail (<input checked="" type="checkbox"/>) Letter (<input type="checkbox"/>) Both | | |

Dates & Response

| | |
|--|------------------------|
| 18) Date Contacted 11/04/2011 | 19) Date Replied _____ |
| (<input checked="" type="checkbox"/>) No Reply | |
| (<input type="checkbox"/>) Replied/No Interest | |
| (<input type="checkbox"/>) Replied/Have Interest | |
| (<input type="checkbox"/>) Replied/Other | |

Additional Information

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

Designation of SHPO/THPO

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

SHPO/THPO

| |
|--|
| Name: <u>NC Historic Preservation Office (Deputy SHPO)</u> |
|--|

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

| |
|-----------------------|
| SHPO/THPO Name: _____ |
| SHPO/THPO Name: _____ |
| SHPO/THPO Name: _____ |

Certification

| | | | |
|--|--------------|----------------------------|---------------|
| I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete. | | | |
| Party Authorized to Sign | | | |
| First Name: <u>Kyle</u> | MI: <u>W</u> | Last Name: <u>Crawford</u> | Suffix: _____ |
| Signature: <u>Kyle W. Crawford</u> | | Date: <u>12/21/11</u> | |
| FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID. | | | |
| WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503). | | | |

Attachments :

Type

Description

Date Entered

**Archaeological Survey of the Warrenton Cell Tower Tract
and Access Easement
Warren County, North Carolina**

by

Michael Keith O'Neal
Archaeological Consultants of the Carolinas, Inc.
November 2011

In October 2011, Archaeological Consultants of the Carolinas, Inc. (ACC), conducted an archaeological survey of the Warrenton Cell Tower in Warren County, North Carolina. This investigation was conducted on behalf of Tower Engineering Professionals, Inc., and was undertaken pursuant to relevant permitting regulations regarding the identification and treatment of significant cultural resources. The objectives of this survey were to identify all archaeological resources within the project tract, evaluate their significance based on National Register of Historic Places (NRHP) criteria, and determine the potential effects of the proposed construction on these resources.

The Project Area

The Warrenton cell tower tract is located along Beef Tongue Road approximately 4.0 miles east of Norlina, North Carolina. Figure 1 presents a map of the project area. This project tract measures approximately 180 by 220 meters. However, the cell tower footprint measures 15 by 15 meters. The tract is characterized by young pines and hardwoods and thick scrub brush (Figure 2). The access easement measures approximately 200 meters, of which approximately 60 meters are part of an existing dirt farm road. The remainder of the proposed road will extend through the young pines and hardwoods.

Soils

There are two soil types present in the project area, Appling sandy loam and Helena sandy loam. Appling soils are well-drained, and Helena soils are moderately well-drained. Both soil types form on interfluves (United States Department of Agriculture 2011). Well-drained soils are typically viewed as having high potential for archaeological remains.

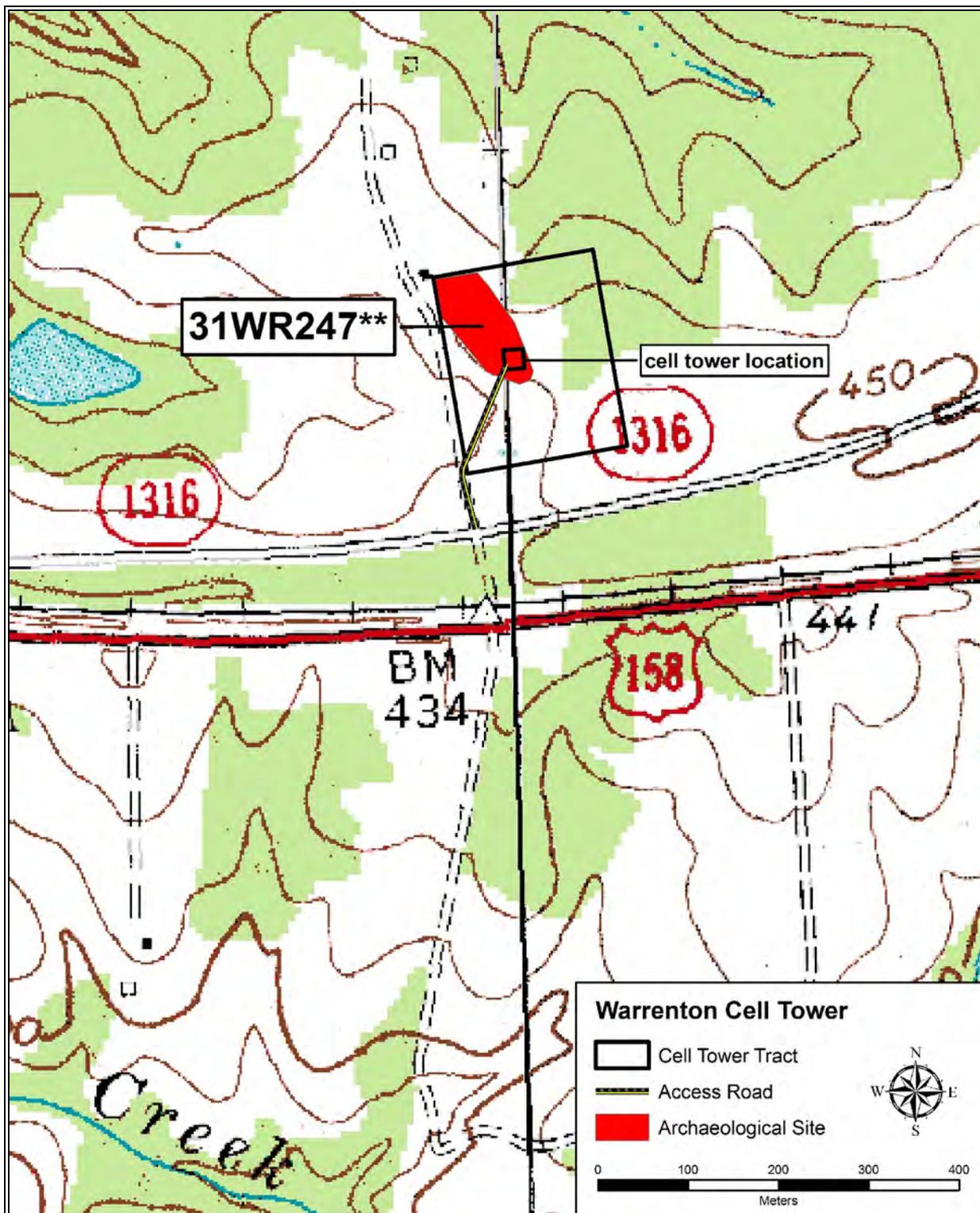


Figure 1. Map showing the Warrenton cell tower tract and access road and identified archaeological resources (1970 *Macon, NC* and 1970 *Warrenton, NC* USGS 7.5 minute topographic quadrangles).



Figure 2. General view of the cell tower tract.

Archaeological Survey

The archaeological survey consisted of the excavation of shovel tests at 30 meter intervals along the proposed access road, and one shovel test each at the center point of the cell tower tract and at each of the guyed wire locations. Additional judgmental shovel tests were also excavated around the cell tower center point. In total 12 shovel tests were excavated in the project vicinity. Soil profiles consisted of 10 cm of grayish brown silty sand overlaying light brown silty sand to a depth of 20 to 25 cm. Reddish brown silty clay was present below 25 cm. All exposed surfaces in both the cell tower tract and access easement were carefully inspected for cultural remains. One historic archaeological site, 31WR247**, was identified during the survey and is discussed below.

Site 31WR247**

Site Type: Historic house site

Component: Late 19th to Early 20th Century

UTMs: 4036155 N 757684 E

Soil Type: Appling sandy loam

Elevation: 435 ft amsl

NRHP Recommendation: Not Eligible

Site 31WR247** is a historic site located in the northwestern corner of the project tract (see Figure 1). It is situated on a narrow ridge top that slopes down to the northwest. The site is characterized by secondary growth consisting of young pines and hardwoods and dense scrub brush.

Shovel tests were excavated in the site vicinity according to the proposed construction activities in each area. One shovel test was excavated at the proposed location of a guyed wire. Five shovel tests were excavated in the vicinity of the proposed cell tower. Two of the shovel tests yielded artifacts. Figure 3 presents a plan view of the project tract and shovel test locations. Site dimensions measure approximately 140 meters by 60 meters. Shovel test soil profiles at the cell tower location consisted of 10 cm of brown silty sand overlaying red silty clay. The shovel test adjacent to the guyed wire location exhibited 20 cm of brown silty sandy overlaying red clay subsoil.

Table 1 presents a summary of the 35 artifacts recovered from 31WR247**. Artifacts classes include wire nails, bottle and flat glass, ceramics, a bottle cap, and miscellaneous metal. Whiteware was first manufactured in 1820 but continued to be produced throughout the twentieth century. Wire nails were first widely used after 1890. Based on the artifact assemblage this site likely dates to the late nineteenth through twentieth centuries.

Table 1. Summary of Artifacts Recovered from 31WR247**.

| Artifact | Count | Comment |
|------------------------------------|-------|---|
| clear lamp glass | 1 | |
| clear flat glass | 6 | |
| brown bottle glass | 6 | |
| clear bottle glass | 1 | |
| melted glass | 1 | |
| milkglass canning insert fragment | 3 | all mend to form one complete insert |
| clear glass candy jar lid fragment | 3 | all mend |
| nail | 4 | 2 wire, 1 possibly square, 1 unidentified |
| metal bottle cap fragment | 2 | mend |
| unidentified iron metal | 7 | |
| undecorated whiteware | 1 | 1820+ |

One structural feature is present at the site. A brick chimney is standing in close proximity to where the proposed guyed wire will be located (Figure 4). It is constructed of brick, stone, and mortar. No other structural elements or remnants of the house were identified at the site. It is not known when the structure was razed.



Figure 3. View of the standing chimney in the vicinity of guyed wire location.

Site 31WR247** is a late nineteenth to early twentieth century house site with a standing chimney. With the exception of the chimney, no intact structural remains (i.e., foundation elements) were identified. The site has been subjected to minor erosion, logging, razing of the house and removal of debris, and modern dumping. Due to the disturbance to the site deposits, this site is not likely to yield new or significant data pertaining to late nineteenth or early twentieth century settlement in the region. Therefore, 31WR247** is recommended not eligible for the NRHP.

Summary and Recommendations

In October 2011, ACC, Inc., conducted an archaeological survey of the Warrenton cell tower tract and access easement in Warren County, North Carolina. Shovel tests were excavated at 30 meters along access easement and one shovel test was dug at each guyed wire location and the cell tower center point. Additional judgmental shovel tests were also excavated near the cell tower location. During the survey, one historic house site, 31WR247**, was identified. This site does not meet the criteria for inclusion on the NRHP and is recommended not eligible. As no significant archaeological resources will be impacted by the proposed cell tower and access easement, clearance to proceed is recommended.

References Cited

United States Department of Agriculture

2011 *Web Soil Survey*, Electronic Document. <http://websoilsurvey.nrcs.usda.gov/app/>.
Accessed 1 November 2011.

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EDUCATION

M.A. in Anthropology, University of Arkansas, Fayetteville, 2001.
B.A. in Anthropology, Appalachian State University, Boone, NC, 1999.

PROFESSIONAL MEMBERSHIPS

Register of Professional Archaeologists
Society for American Archaeology
Southeastern Archaeological Conference
Council of South Carolina Professional Archaeologists

AREAS OF SPECIALIZATION

Ground Stone Technology
Lithic Technology
Geographic Information Systems (GIS)

EMPLOYMENT HISTORY

| | |
|----------------------------|--|
| April 2006-Present | Senior Archaeologist/Principal Investigator. Archaeological Consultants of the Carolinas, Inc., Clayton, NC. |
| August 2004-March 2006 | Archaeologist/Project Manager. Archaeological Consultants of the Carolinas, Inc., Clayton, NC. |
| June 2002-August 2004 | Archaeologist/Project Manager. Brockington and Associates, Inc., Raleigh, NC. |
| July 2001-May 2002 | Archaeological Technician. Brockington and Associates, Inc., Raleigh, NC. |
| August 2000-May 2001 | Archaeological Research Assistant, Department of Anthropology, University of Arkansas, Fayetteville. |
| August 2000-September 2000 | Archaeological Technician, Department of Anthropology, University of Arkansas, Fayetteville. |
| July 2000 | Archaeological Field Technician, SPEARS Inc., West Fork, Arkansas. |

EXPERIENCE

Project Manager - *Archaeological Survey of the Proposed Aiken Combustion Turbine Plant Tract, Aiken County, South Carolina*. This project was a Phase I cultural resources survey of an 80 acre tract. This project was conducted for Duke Engineering and Services.

Project Manager - *Cultural Resources Survey of Three Proposed Intersection Improvements, Spartanburg County, South Carolina.* This was Phase I cultural resources survey of three proposed intersection improvements. This project was conducted for the TranSystems Corporation.

Project Manager- *Cultural Resources Survey of the Georgetown Industrial Park Tract, Georgetown County, South Carolina.* This project was a Phase I cultural resources survey of a 600 acre tract. This project was conducted for Davis and Floyd.

Project Manager- *Cultural Resources Evaluation of the Grace Chapel Substation and 115 kV Transmission Line, Caldwell County, North Carolina.* This project was a Phase I cultural resources survey of 4 acre substation tract and an associated 4.5 mile transmission line corridor. The project was conducted for Framatome ANP.

Project Manager- *Archaeological Survey of the Heavenly Mountain Resort Golf Course, Watauga County, North Carolina.* This project was a Phase I archaeological survey of 200 acres, divided between three tracts of land. This project was conducted for E'nV Environmental Consulting.

Project Manager- *Cultural Resources Survey of the Jones-Mainland Tract, Beaufort County, South Carolina.* This project was a Phase I cultural resources survey of a 3,655 acre tract. The project was conducted for Palmetto Bluff, LLC.

Project Manager- *Cultural Resources Investigation of the Central Carolina Tire Disposal Tract, Harnett County, North Carolina.* This project was a Phase I cultural resources survey of a 200 acre tract. This project was conducted for Withers and Ravenel, Inc.

Project Manager- *Cultural Resources Investigation of the Mill Branch Tract, Columbia County, Georgia.* This project was a Phase I archaeological survey of a 170 acre tract. This project was conducted for James G. Swift and Associates.

Project Manager- *Cultural Resources Survey of the Okatie Center Northern Tract, Beaufort County, South Carolina.* This project was a Phase I archaeological survey of a 120 acre tract. This project was conducted for Horne Properties, Inc.

Project Manager- *Archaeological Survey of the Bay Tree Golf Plantation Tracts, Horry County, South Carolina.* This project was a Phase I archaeological survey of a golf plantation (3 golf courses and adjacent tracts). This project was conducted for DDC, Engineers.

Principal Investigator-Testing and Data Recovery excavations at site 38BU1957, Beaufort County, South Carolina.

Principal Investigator-Testing of site 38BU2081, Beaufort County, South Carolina.

Project Manager- *Archaeological Survey of Phases II and III of the Mills River Sewer Line, Henderson County, North Carolina.* This project was a Phase I archaeological survey of 4 mile sewer line. This project was conducted for Horne Properties, Inc.

Project Manager- *Archaeological Survey of the Hope Lodge Borrow Pit Tract, Edgecombe County, North Carolina.* This project was a Phase I archaeological survey of a 60 acre tract. The project was conducted for Robert J. Goldstein and Associates, Inc.

Project Manager- *Archaeological Survey of the Southern Harnett County Water Treatment Plant and Sewer Line, Harnett County, North Carolina.* This project was a Phase I archaeological survey of the a 50 acre water treatment plant tract and 5.8 miles of sewer line corridor, conducted fro Robert J. Goldstein and Associates, Inc.

Project Manager- *Cultural Resources Survey Wetland Impact Areas in the Riversbend East Tract, Chesterfield County, Virginia.* This project was a Phase I archaeological survey conducted for Townes Site Engineering.

Project Manager- *Cultural Resources Survey Wetland Impact Areas in the Castleton Tract and Sewer Line, Henrico County, Virginia.* This project was a Phase I archaeological survey conducted for Townes Site Engineering.

Project Manager- *Cultural Resources Survey of the NRWASA Water Distribution System Corridors and Aboveground Facility Tracts, Lenoir and Pitt Counties, North Carolina.* This project was a Phase I cultural resources survey conducted for the Wooten Company

Principal Investigator- *Cultural Resources Evaluation of the Stonegate Substation Tract, Union County, North Carolina.* This project was a Phase I cultural resources survey conducted for Facilities Planning and Siting.

REPORTS AUTHORED

Cornelius, Mackensie, Dawn Reid, and Michael Keith O'Neal

2006 Cultural Resources Survey of Undeveloped Portions of the Rolling Hills Golf Course Tract, Horry County, South Carolina.

Jenkins, David, Michael Keith O'Neal, and Bobby Southerlin

2002 Cultural Resources Survey of the Biltmore Technology Center Tract, Buncombe County, North Carolina.

Kirkland, Alan and Michael Keith O'Neal

2007 Archaeological Survey of the Proposed Embarq Uwharrie National Forest Fiber Optics Line, Montgomery County, North Carolina.

O'Neal, Michael Keith

2001 Cultural Resources Survey of the CINCAP Martinsville Tracts, Henry County, Virginia.

2002 Phase II Testing of 44CA116, Patriot Extension Natural Gas Pipeline, Carroll County, Virginia.

2002 Cultural Resources Survey of the Aiken Combustion Turbine Plant Tract, Aiken County, South Carolina.

2002 Cultural Resources Survey of the Georgetown Industrial Park Tract, Georgetown County, South Carolina.

2003 Archaeological Survey of the Heavenly Mountain Resort Golf Course Trace, Watauga County, North Carolina.

2003 Cultural Resources Evaluation of the Grace Chapel Substation and 115kV Transmission Line, Caldwell County, North Carolina.

2004 Archaeological Survey of the Bay Tree Golf Plantation Tracts, Horry County, South Carolina.

2004 Archaeological Survey of the Hope Lodge Borrow Pit Tract, Edgecombe County, North Carolina.

2004 Cultural Resources Investigation of Phases II and III of the Proposed Mills River Sewer Line Corridor, Henderson County, North Carolina

2005 Cultural Resources Evaluation of the Stonegate Substation Tract, Union County, North Carolina.

2005 Cultural Resources Survey of the BREMCO Baldwin Substation Tract, Ashe County, North Carolina.

O'Neal, Michael Keith continued

- 2005 Relocation and Evaluation of 31SK214, Stokes County, North Carolina.

- 2005 Cultural Resources Siting Study of the Switzer 44kV Transmission Line, Spartanburg County, South Carolina.

- 2006 Cultural Resources Survey of the Villages at Waterside Tract, Horry County, South Carolina.

- 2006 Archaeological Survey of the Catawba Waste Water Treatment Plant Tract, Catawba County, North Carolina.

- 2006 Archaeological Survey of the Shine Landing Tract, Pamlico County, North Carolina.

- 2006 Archaeological Evaluation of the Fairgrounds Cell Tower, Henrico County, Virginia.

- 2007 Archaeological Survey of the Watermark Landing Tract and Phase II Testing of Site 31NH133, New Hanover County, North Carolina.

- 2007 Cultural Resources Survey of the Stevens Park Tract, Brunswick County, North Carolina.

- 2007 Archaeological Survey of the Proposed Cusac Cell Tower Tract, Horry County, South Carolina.

- 2007 Archaeological Survey of the Brookshire Park Tract, Watauga County, North Carolina.

- 2007 Archaeological Survey of the Rustburg Park Tract, Campbell County, Virginia.

- 2007 Archaeological Survey of the Proposed Cypress Bay Cell Tower Tract and Easement, Horry County, South Carolina.

- 2007 Archaeological Survey of the Harbor's Edge Tract, Horry County, South Carolina.

- 2007 Archaeological Survey of the Bay Landing Tract, Horry County, South Carolina.

- 2007 Archaeological Survey of the Proposed Verizon Jackson Cell Tower, Halifax County, North Carolina.

- 2007 Archaeological Survey of the Lower Creek and UT to Zack's Fork Creek Stream Restoration Areas, Caldwell County, North Carolina.

- 2007 Archaeological Survey of the South Muddy and South Fork Hoppers Creek Stream Restoration Areas, McDowell County, North Carolina.

- 2007 Archaeological Survey of the Fletcher-Meritor Stream and Wetland Restoration Area, Henderson County, North Carolina.

- 2007 Archaeological Survey of the Lewis Creek Stream Restoration Area, Henderson County, North Carolina.

- 2007 Archaeological Survey of the BREMCO Blowing Rock Substation, Watauga County, North Carolina.

- 2007 Archaeological Survey of the Crossnore Cell Tower Tract, Avery County, North Carolina.

- 2007 Archaeological Survey of the Ripshin Branch Stream Restoration Area, Ashe County, North Carolina.

O'Neal, Michael Keith continued

- 2007 Archaeological Survey of the Newfound Creek Stream Restoration Area, Buncombe County, North Carolina.
- 2007 Archaeological Survey of the North Dickerson Cell Tower Tract, Granville County, North Carolina.
- 2007 Archaeological Survey of the Paris Road Cell Tower Tract, Greene County, North Carolina.
- 2007 Cultural Resources survey of the Old Highway 90 Tract, Horry County, South Carolina.
- 2007 Archaeological survey of the Waterway Hills Tract, Horry County, South Carolina.
- 2007 Archaeological Survey of the Linville Dam ESSI Tracts, Burke County, North Carolina.
- 2007 Archaeological Survey of the Bridgewater Hydroelectric Powerhouse Rebuild Tract, Burke County, North Carolina.
- 2007 Archaeological Evaluation of the Old Folkstone Road Cell Tower Tract and Access Easement, Onslow County, North Carolina.
- 2008 Archaeological Survey of the UT to Crab Creek Stream and Wetland Restoration Area, Alleghany County, North Carolina.
- 2008 Archaeological Survey of the Eckard Cell Tower, Burke County, North Carolina.
- 2008 Archaeological Survey of the Proposed Holden Beach Road Cell Tower Tract, Brunswick County, North Carolina.
- 2008 Archaeological Survey of the UNC-W East Cell Tower Tract, New Hanover County, North Carolina.
- 2008 Archaeological Survey of the East Buffalo Creek Restoration Area, Graham County, North Carolina.
- 2008 Archaeological Survey of the Proposed Ponderosa Campground Cell Tower Tract, Halifax County, North Carolina.
- 2008 Archaeological Survey of the Denton Tract, Wilson County, North Carolina.
- 2008 Archaeological Survey of the Proposed Smyrna Cell Tower, Carteret County, North Carolina.
- 2008 Archaeological Survey of the Twelvemile Creek Substation Tract, Union County, North Carolina.
- 2008 Archaeological Evaluation of the Proposed Redwood Cell Tower Tract, Wake County, North Carolina.
- 2008 Archaeological Evaluation of the Proposed Wilkins Cell Tower Tract, Durham County, North Carolina.
- 2008 Archaeological Evaluation of the Proposed Booth Mountain Cell Tower, Stokes County, North Carolina.
- 2008 Archaeological Survey of the Proposed Boones Neck Cell Tower Tract and Access Easement, Brunswick County, North Carolina.

O'Neal, Michael Keith continued

- 2008 Archaeological Survey of the Proposed Anirav Swim Club Cell Tower Tract, Henrico County, Virginia.
- 2008 Archaeological Survey of the Proposed Deer Park Cell Tower Tract, Charleston County, South Carolina.
- 2008 Archaeological Survey of the Proposed Reid Cell Tower, Hertford County, North Carolina.
- 2008 Archaeological Survey of the Proposed Privott Cell Tower, Wayne County, North Carolina.
- 2008 Archaeological Survey of the Proposed West Summerville Cell Tower Tract, Dorchester County, South Carolina.
- 2008 Archaeological Evaluation of the Rocky Knoll Cell Tower Tract, Durham County, North Carolina.
- 2008 Archaeological Evaluation of the Wynnwood Cell Tower Tract, Wake County, North Carolina.
- 2008 Archaeological Survey of the Glade Creek Stream and Wetland Restoration Area, Alleghany County, North Carolina.
- 2008 Archaeological Survey of the Little Pine Creek Stream Restoration Area, Alleghany County, North Carolina.
- 2008 Archaeological Evaluation of the Verona Cell Tower Tract and Access Easement, Onslow County, North Carolina.
- 2008 Archaeological Survey of the City of Marion Catawba River Greenway Project, McDowell County North Carolina.

O'Neal, Michael Keith and Carrie E. Collins

- 2003 Cultural Resources Investigation of the Central Carolina Tire Disposal Tract, Harnett County, North Carolina.

O'Neal, Michael Keith, Carrie Collins, and Sharon Penton

- 2002 Cultural Resources Evaluation of Hickory Regional Airport Improvements, Burke County, North Carolina.

O'Neal, Michael Keith, Carrie E. Collins, Rachel Tibbets, and Pat Hendrix

- 2004 Cultural Resources Survey of the Jones-Mainland Tract, Beaufort County, South Carolina.

O'Neal, Michael Keith and MacKensie Cornelius

- 2005 Archaeological Survey of Wetland Impact Areas in the Rivers Bend East Tract, Chesterfield County, Virginia. Corps Project # 04-R1771.
- 2005 Archaeological Survey of Wetland Impact Areas in the Castleton Tract and Sewer Line, Henrico County, Virginia. Corps Project # 05-0872.
- 2005 Cultural Resources Survey of the NRWASA Water Distribution System Corridors and Aboveground Facility Tracts, Lenoir and Pitt Counties, North Carolina.
- 2006 Archaeological Survey of the Duke-Catawba ESSI Tract, Burke and McDowell Counties, North Carolina.
- 2006 Archaeological Survey of the Lee Tract, Brunswick County, North Carolina.

- O'Neal, Michael Keith, MacKensie Cornelius, and Dawn Reid
2005 Cultural Resources Survey of the NRWASA Water Distribution System Corridors and Aboveground Facility Tracts, Lenoir and Pitt Counties, North Carolina
- 2005 Cultural Resources Survey and Archaeological Testing at the Heritage Downs Tract, Horry County, South Carolina.
- 2006 Archaeological Survey of the White Oak Apartments Tract, Chesterfield County, Virginia.
- O'Neal, Michael Keith and April Montgomery
2007 Archaeological Survey of the UT to Uwharrie Stream Restoration Area, Randolph County, North Carolina.
- O'Neal, Michael Keith and Sharon Penton
2002 38HA214 Mitigation for the Yemassee Transmission Line, Hampton County, South Carolina.
- O'Neal, Michael Keith and Dawn Reid
2002 Cultural Resources Survey of Proposed Reroutes, Access Roads, and Work Areas, Patriot Extension Natural Gas Pipeline, Wythe, Carroll, Floyd, Patrick, and Henry Counties, Virginia. Addendum I to Cultural Resources Survey of the Proposed Patriot Extension Natural Gas Pipeline Corridor, Wythe, Carroll, Floyd, Patrick, and Henry Counties, Virginia (Reid et al. 2002).
- 2005 Site Delineation in the Pawley's Pavilion Tract, Georgetown County, South Carolina.
- 2006 Cultural Resources Survey of the Macedonia Transmission Line and Substation Tract, Cherokee and Spartanburg Counties, South Carolina.
- 2006 The History of Fort Huger.
- 2007 Limited Excavation of 44IW0204: The Fort Huger Encampment Site, Isle of Wight County, Virginia.
- 2007 Archaeological Survey of the Sink Hole Creek Stream Restoration, Mitchell County, North Carolina.
- 2007 Archaeological Survey of the River Wynde Tract, Horry County, South Carolina
- 2007 Archaeological Survey of the Catawba Forcemain Alignment Corridor and Associated Pump Station Tracts, Catawba County, North Carolina.
- O'Neal, Michael Keith, Dawn Reid, Rachel Tibbetts, Kim Villemez, and Gordon Watts
2006 Archaeological Survey and Testing at the Pennyroyal Tract, Georgetown County, South Carolina.
- O'Neal, Michael Keith, Joseph Sanders, and Dawn Reid
2005 Archaeological Survey of Four Tracts in the Lawnes Point Development Area, Isle of Wight County, Virginia.
- O'Neal, Michael Keith and Bobby Southerlin
2005 Archaeological Evaluation of the Riverbend-Enterprise Tract, Horry County, South Carolina.
- 2005 Archaeological Survey of the 230 kV Steelberry Transmission Line Relocation Corridor, Gaston and Mecklenburg Counties, North Carolina.
- 2007 Archaeological Survey of the Fentress Farm Tract, Currituck County, North Carolina.

- O'Neal, Michael Keith and Bobby Southerlin continued
- 2008 Archaeological Evaluation of Selected Areas at the Water's Edge Tract, Horry County, South Carolina.
 - 2008 Archaeological Survey of the Pinnacle Point Tract, Carteret County, North Carolina.
 - 2008 Archaeological Survey of the Key Farm Tract, Chester County, South Carolina.
 - 2008 Archaeological Survey of the Cedar Point Tract, Carteret County, North Carolina.
- O'Neal, Michael Keith, Bobby Southerlin, and MacKensie Cornelius
- 2005 Cultural Resources Survey and Archaeological Testing at the South Island Plantation Tract, Georgetown County, South Carolina.
- O'Neal, Michael Keith and Rachel Tibbets
- 2003 Cultural Resources Investigation of the Mill Branch Tract, Columbia County, Georgia.
 - 2004 Archaeological Survey of the Southern Harnett County Water Treatment Plant and Sewer Line, Harnett County, North Carolina.
- O'Neal, Michael Keith and Kim Villemez
- 2006 Archaeological Investigation of the Good Luck Road Tract, Horry County, South Carolina.
- O'Neal, Michael Keith and Julie Wilburn Peeler
- 2002 Cultural Resources Investigation of the Lake Townsend Substation Tract, Guilford County, North Carolina.
 - 2002 Archaeological Evaluation of Stanly County Regional Airport Improvements, Stanly County, North Carolina.
 - 2003 Archaeological Mitigation at 38HA214, Hampton County, South Carolina.
- O'Neal, Michael Keith, Julie Wilburn Peeler, and Dawn Reid
- 2003 Cultural Resources Survey of Proposed Reroutes, Access Roads, and Work Areas, Patriot Extension Natural Gas Pipeline, Wythe, Carroll, Floyd, Patrick, and Henry Counties, Virginia. Addendum II to Cultural Resources Survey of the Proposed Patriot Extension Natural Gas Pipeline Corridor, Wythe, Carroll, Floyd, Patrick, and Henry Counties, Virginia (Reid et al. 2002).
- Reid, Dawn, Pat Hendrix, Michael Keith O'Neal, and Eric Poplin
- 2003 Archaeological Survey of the Palmetto Bluff Construction Road and Wastewater Effluent Plant Tract, Beaufort County, South Carolina.
- Reid, Dawn and Michael Keith O'Neal
- 2002 Cultural Resources Evaluation of the Concord Regional Airport Improvements, Cabarrus County, North Carolina.
 - 2005 Archaeological Survey of the Belle Park Tract, Horry County, South Carolina.
 - 2005 Cultural Resources Siting Study of the South Sylva Tract, Jackson County, North Carolina.
 - 2006 Archaeological Survey of the Aberdeen golf Course Conversion Areas, Horry County, South Carolina.

Reid, Dawn and Michael Keith O'Neal continued

- 2006 Archaeological Survey of 61 Acres at Kershaw Creek, Pamlico County, North Carolina.
- 2006 Archaeological Survey of the Main Street Connector, Horry County, South Carolina.
- 2006 Cultural Resources Survey of the New Stonegate Substation Tract, Union County, North Carolina.
- 2006 Archaeological Investigation of the Sherwood Plantation Tract, Jasper County, South Carolina.
- 2007 Archaeological Survey of the Southport Crossing Tract, Brunswick County, North Carolina.
- 2007 Phase I Archaeological Survey of the Sawmill Creek Tract, Forsythe County, North Carolina.
- 2007 Archaeological Survey of the Creedmoor Lake Rogers Sedimentation Disposal Tract, Granville County, North Carolina.

Reid, Dawn, Michael Keith O'Neal, and David Jenkins

- 2001 Cultural Resources Investigation of the Chickahominy Tract, Charles City County, Virginia.

Reid, Dawn, Michael Keith O'Neal, and Rachel Tibbetts

- 2005 Life on the Waccamaw River Bluff: Data Recovery at Site 38HR496, Cypress River Plantation, Horry County, South Carolina.

Reid, Dawn, Rachel Tibbetts, Michael Keith O'Neal, and Gordon Watts

- 2006 Archaeological Investigation of the Select Areas in the Black Banks Plantation Tract, Georgetown County, South Carolina.

Southerlin, Bobby and Michael Keith O'Neal

- 2008 Archaeological Survey of the Cedar Point Tract, Carteret County, North Carolina.

Southerlin, Bobby, Michael Keith O'Neal, and MacKensie Cornelius

- 2004 Archaeological Assessment of the Victory Trail Tract, Cherokee County, South Carolina.
- 2006 Archaeological Survey of the Dugger Creek Tract, Watauga and Wilkes Counties, North Carolina.

Southerlin, Bobby, Michael Keith O'Neal, Sharon Penton, Joe Sanders, David Jenkins

- 2002 Intensive Archaeological Survey of the Duplin County Agricultural Business Center, Duplin County, North Carolina.

Southerlin, Bobby, Rachel Tibbetts, Michael Keith O'Neal, Dawn Reid, Leslie E. Raymer, and MacKensie Cornelius

- 2005 Woodland Adaptations in the Grand Strand: Native American Settlement along the Little River Estuary, Horry County, South Carolina: Excavations at Glen Dornoch Golf Course.

Southerlin, Bobby, Joseph L. Tippet, Michael Keith O'Neal, and Bruce Harvey

- 2002 Cultural Resources Investigation of the Brownfield Tract, Wake County, North Carolina.

Southerlin, Bobby, Dawn Reid, Joseph Sanders, Michael Keith O'Neal, and David Jenkins

- 2002 Cultural Resources Survey of the 230 kV Portion of the Columbia Energy Center Project, Calhoun and Richland Counties, South Carolina.

Southerlin, Bobby, Joe Sanders, Michael Keith O'Neal, and David Jenkins

- 2002 Cultural Resources Survey of the 115 kV Portion of the Columbia Energy Center Project, Calhoun and Lexington Counties, South Carolina.

- Tibbetts, Rachel and Michael Keith O'Neal
 2006 Archaeological Survey of the Dawson Creek Tract, Pamlico County, North Carolina.
- 2006 Archaeological Survey of the Fulshire Plantation Tract, Craven County, North Carolina.
- 2008 Archaeological Evaluation of the Semora Cell Tower Tract and Access Easement, Person County, North Carolina
- Tibbetts, Rachel, Michael Keith O'Neal, MacKensie Cornelius, Bobby Southerlin, April Montgomery, and C. Margaret Scarry
 2006 Cultural Resources Survey of the Mingo Analysis Area (Portions of Compartments 257, 259, 351, 343, and 355), Sumter National Forest, Long Cane Ranger District, Saluda and Greenwood Counties, South Carolina.
- Tibbetts, Rachel, Michael Keith O'Neal, and Kim Villemez
 2006 Archaeological Survey of Three Stream Restoration Areas, Jackson, Polk, and Rutherford Counties, North Carolina.
- Tibbetts, Rachel, Bobby Southerlin, and Michael Keith O'Neal
 2006 Archaeological Survey of the Proposed Site for an Expansion of the Central Johnston County Regional Wastewater Treatment Facility, Johnston County, North Carolina.
- Tibbetts, Rachel, Bobby Southerlin, Dawn Reid, Kim Villemez, Michael O'Neal, and Kimberly Schaeffer
 2008 Data Recovery at 31ON1582: Early American Life on a Coastal Plantation, Onslow County, North Carolina.
- Wilburn Peeler, Julie, Michael Keith O'Neal, and Dawn Reid
 2002 Intensive Cultural Resources Survey of the Three Proposed Intersection Improvements, Spartanburg County, South Carolina. Prepared for the South Carolina Department of Transportation.

PUBLICATIONS AND PAPERS PRESENTED

- 2008 Michael Keith O'Neal
Putting the Tar in Tar Heels: The Naval Stores Industry and Plantations in North Carolina. Paper presented at the 65th annual Southeastern Archaeological Conference, Charlotte, North Carolina.
- 2005 Michael Keith O'Neal and Dawn Reid
Who Says There Aren't Rocks in the Coastal Plain: Local Lithic Resources and Bipolar Reduction Strategies in Horry County, South Carolina. Paper presented at the 62nd annual Southeastern Archaeological Conference, Columbia, South Carolina.
- 1999 Cheryl Claassen, Michael O'Neal, Tamara Wilson, Elizabeth Arnold, and Brent Lansdell
 Hearing and Reading Southeastern Archaeology: A Review of the Annual Meetings of SEAC from 1983 through 1995 and the Journal *Southeastern Archaeology*. *Southeastern Archaeology* 18(2): 85-97.
- 1998 Cheryl Claassen, Michael O'Neal, Tamara Wilson, Elizabeth Arnold, and Brent Lansdell
 Hearing and Reading Southeastern Archaeology: A Review of the Annual Meetings of SEAC from 1983 through 1995 and the Journal *Southeastern Archaeology*. Paper presented at the 56th annual Southeastern Archaeological Conference, Greenville, South Carolina.

GENERAL NOTES:

1. ALL REFERENCES TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED NORTH CAROLINA HIGHWAY PATROL OR IT'S DESIGNATED REPRESENTATIVE.
2. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE OF NORTH CAROLINA.
3. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE, 2009 EDITION.
4. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
5. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
6. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND IT'S COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
7. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
8. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
10. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
11. BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR. CONTRACTOR SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
12. ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
13. 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER.
14. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN IT PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFTER MATERIAL SHALL BE REWORKED OR REPLACED.
15. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
16. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
17. ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE DISCOVERED. THE OWNER SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

PLANS PREPARED FOR:



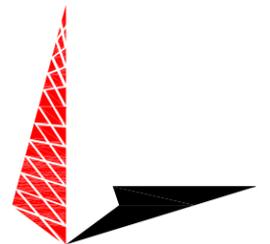
3318 GARNER ROAD, BLDG. 2
 RALEIGH, NC 27607
 OFFICE: (919) 662-4440

PROJECT INFORMATION:

WARRENTON
SITE # HP-1299
SCO ID # 10-08820-01F

261 BEEF TONGUE ROAD
 WARRENTON, NC 27589
 (WARREN COUNTY)

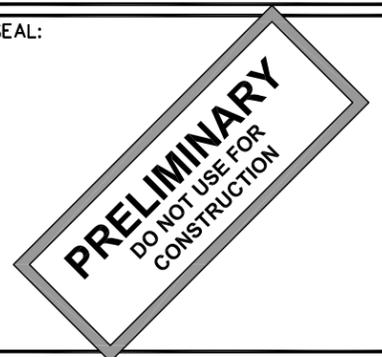
PLANS PREPARED BY:



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

N.C. LICENSE # C-1794

SEAL:



| | | |
|-----|----------|--------------------|
| | | |
| | | |
| 0 | 10-14-11 | PRELIMINARY ZONING |
| REV | DATE | ISSUED FOR: |

DRAWN BY: TRG CHECKED BY: JBG

SHEET TITLE:

PROJECT NOTES

| | |
|-----------------------------|-----------------------|
| SHEET NUMBER: N-1 | REVISION: 0 |
| | TEP #: 113098 |

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 OCTOBER 04, 2011.
4. THIS PROPERTY IS LOCATED IN FLOOD ZONE "X," AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN (FEMA/FIRM MAP NUMBER 3720294600J).
6. SUBJECT PIN: T.B.D.
7. PROPERTY OWNER:
LINDA T. WORTH (WARREN COUNTY MANAGER)

EASEMENT LINE DATA

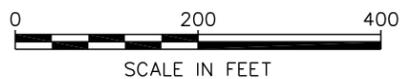
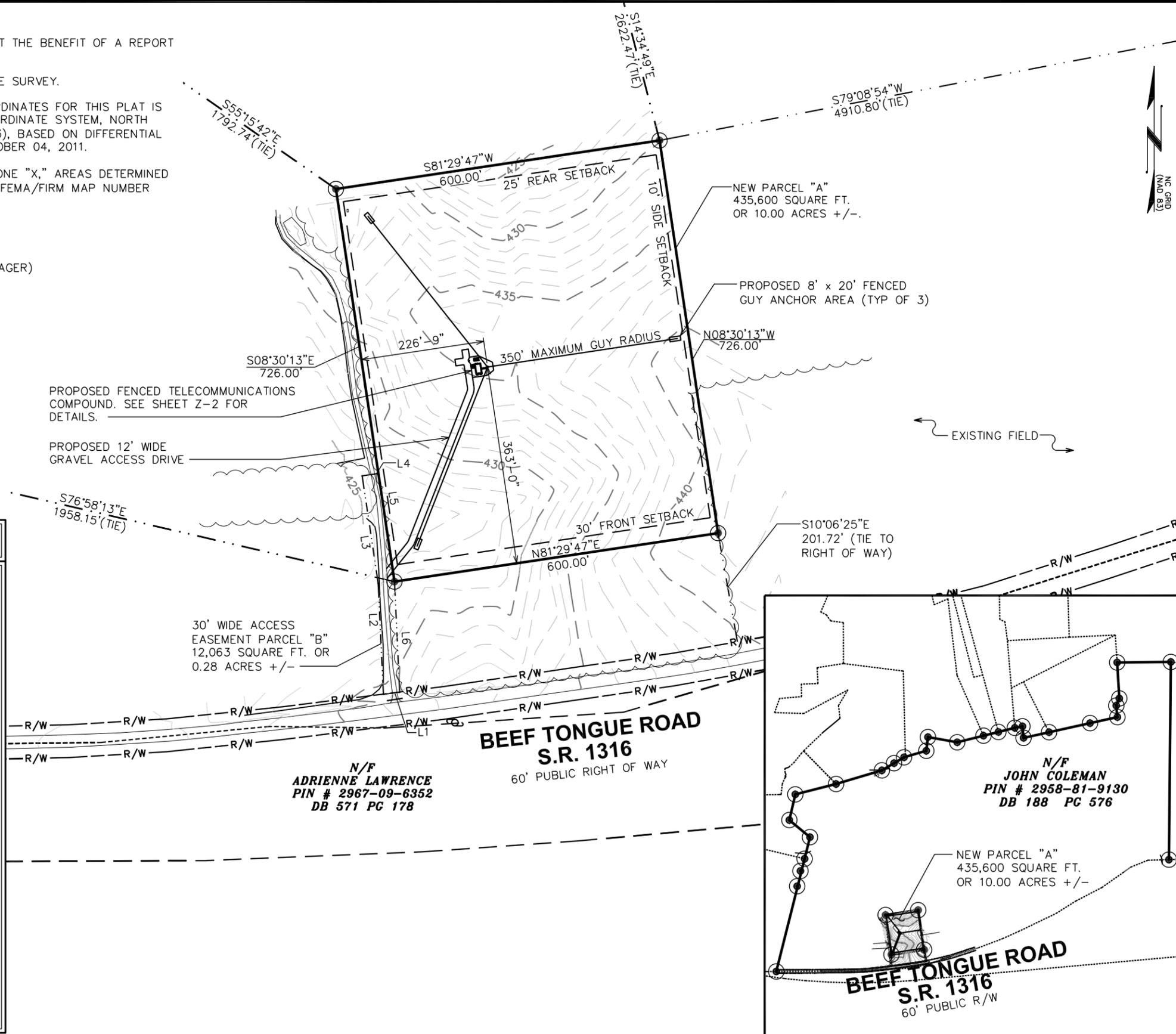
| LINE | BEARING | DISTANCE |
|------|-------------|----------|
| L1 | S82°39'26"W | 30.10' |
| L2 | N02°41'39"W | 203.32' |
| L3 | N08°30'13"W | 198.48' |
| L4 | N81°29'47"E | 30.00' |
| L5 | S08°30'13"E | 200.00' |
| L6 | S02°41'39"E | 202.40' |

LEGEND

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

SITE PLAN

SCALE: 1" = 200'



PARCEL OVERVIEW

SCALE: 1" = 2000'

PLANS PREPARED FOR:

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

PROJECT INFORMATION:

WARRENTON
SITE # HP-1299
SCO ID # 10-08820-01F

261 BEEF TONGUE ROAD
WARRENTON, NC 27589
(WARREN COUNTY)

PLANS PREPARED BY:

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

SEAL:

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

| REV | DATE | ISSUED FOR: |
|-----|----------|--------------------|
| 0 | 10-14-11 | PRELIMINARY ZONING |

DRAWN BY: TRG CHECKED BY: JBG

SHEET TITLE:

SITE PLAN

| SHEET NUMBER: | REVISION: |
|---------------|---------------|
| Z-1 | 0 |
| | TEP #: 113098 |

ANSI/TIA-222-G DESIGN NOTE:

THE PROPOSED TOWER SHALL BE DESIGNED PER THE FOLLOWING PARAMETERS:

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

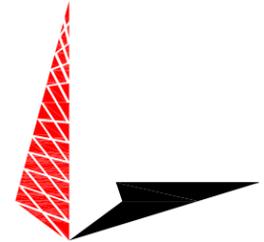
** DESIGN WIND SPEED:
 90mph(3sec GUST), 76mph(FATEST MILE)

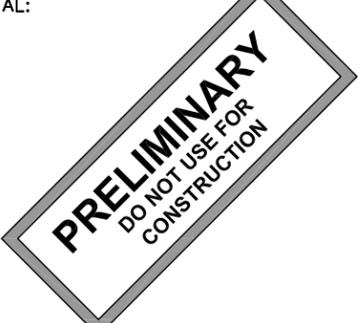


PLANS PREPARED FOR:

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

PROJECT INFORMATION:
WARRENTON
SITE # HP-1299
SCO ID # 10-08820-01F
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 N.C. LICENSE # C-1794

SEAL:


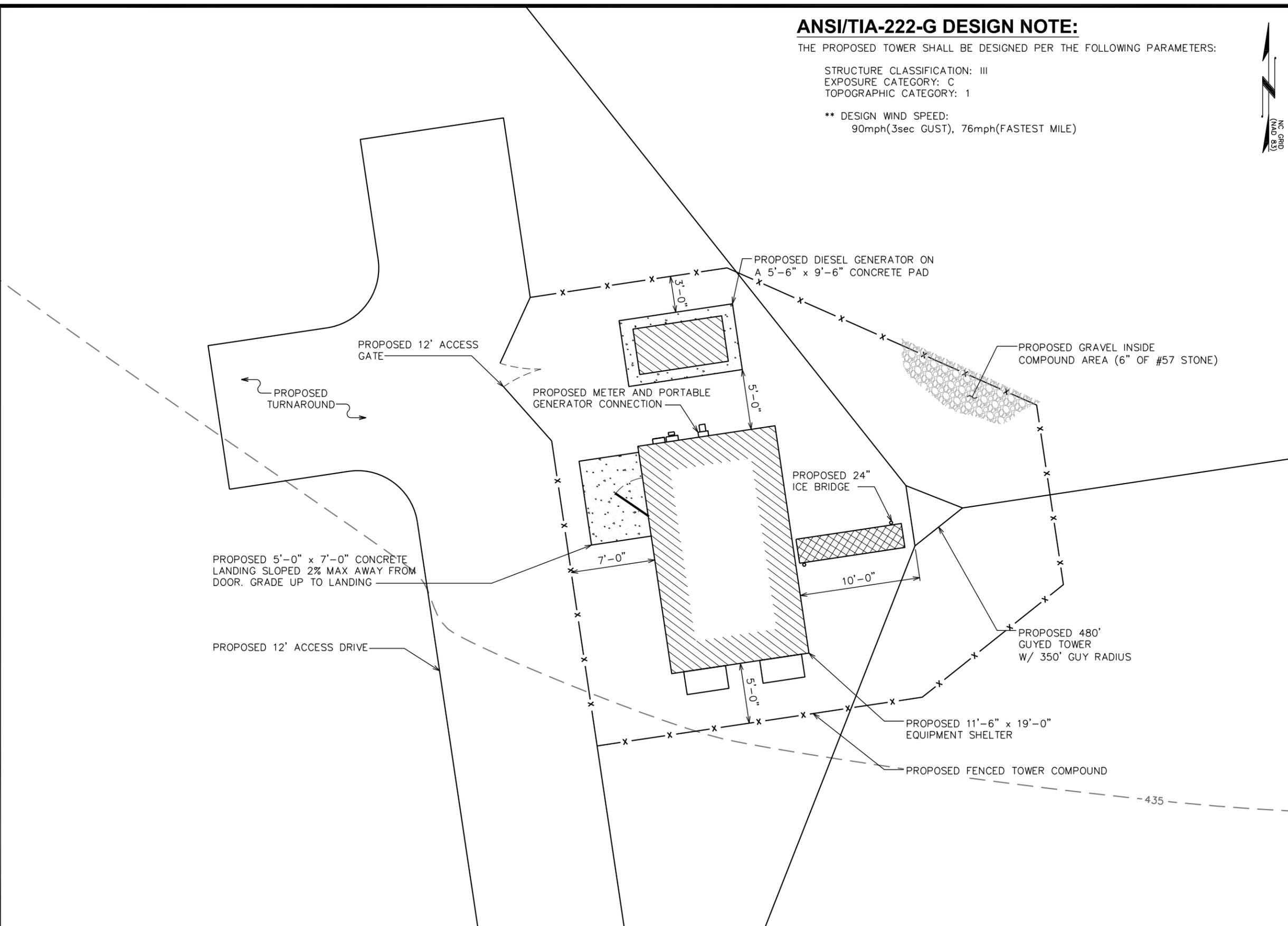
| | | |
|-----|----------|--------------------|
| | | |
| 0 | 10-14-11 | PRELIMINARY ZONING |
| REV | DATE | ISSUED FOR: |

DRAWN BY: TRG CHECKED BY: JBG

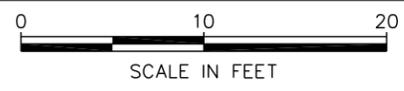
SHEET TITLE:
**COMPOUND
 DETAIL**

SHEET NUMBER:
Z-2

REVISION:
0
 TEP #: 113098



COMPOUND DETAIL
 SCALE: 1" = 10'





1. View facing north from Beef Tongue Road along existing earthen road towards proposed access extension.



2. View from existing earthen road facing west- northwest towards proposed access easement extension through undeveloped forested land uses.



3. View facing west towards proposed tower compound lease area.



4. View facing east towards proposed tower compound lease area.



Tower Construction Notification

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

[FCC Site Map](#)

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

Tower Construction Notification New Notification

[Notifications Home](#)

Your Notification has been successfully submitted to the FCC. The date for this Notification is 10/21/2011. Your Notification ID number is **80486**. Please make a note of this Notification ID — print out this page for your records. A confirmation of this submitted notification will also be emailed to the email address specified in your notification.

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

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

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

| | |
|---------------------------|---|
| ASR Help | ASR License Glossary - FAQ - Online Help - Documentation - Technical Support |
| ASR Online Systems | TOWAIR- CORES/ASR Registration - ASR Online Filing - Application Search - Registration Search |
| About ASR | Privacy Statement - About ASR - ASR Home |

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

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

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

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, October 21, 2011 1:37 PM
To: Kyle Crawford
Subject: Proposed Tower Structure Info - Email ID #2903190

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: 10/21/2011

Notification ID: 80486

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

Consultant Name: Kyle W Crawford

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: kcrawford@tepgroup.net

Structure Type: GTOWER - Guyed Tower

Latitude: 36 deg 26 min 13.0 sec N

Longitude: 78 deg 07 min 28.5 sec W

Location Description: 261 Beef Tongue Road

City: Warrenton

State: NORTH CAROLINA

County: WARREN

Ground Elevation: 132.6 meters

Support Structure: 146.3 meters above ground level

Overall Structure: 150.9 meters above ground level

Overall Height AMSL: 283.5 meters above mean sea level

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, October 28, 2011 3:01 AM
To: Kyle Crawford
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2904230

Dear Sir or Madam:

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

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

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

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

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

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

3. Administrative Assistant Jo Ann Beckham - Eastern Shawnee Tribe of Oklahoma - Seneca, MO - electronic mail

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

4. THPO Kim Jumper - Shawnee Tribe - Miami, OK - regular mail

Details: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON ALL PROJECTS BUILT IN OUR AREAS OF GEOGRAPHIC INTEREST.

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

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

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

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

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

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated

on 14 January 2008 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the tower builder's responsibility to make sure that you have our most recent consultation procedures.

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

5. THPO and Executive Director Dr. Wenonah G Haire - Catawba Indian Nation Cultural Preservation Project - Rock Hill, SC - electronic mail and regular mail
Details: The Catawba Indian Nation Tribal Historic Preservation Office requests that you send us by regular mail the following information needed to complete our research for the your proposed project:

Project Name _____

Project Number _____

- ____1. The name, complete address, phone number, fax number and e-mail address of the project manager.
- ____2. The project location plotted on a topo map.
- ____3. The project name, address and location; street or highway, city, county, state.
- ____4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated.
- ____5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.
- ____6. A list of all recorded archaeological sites within one half (1/2) mile of the project area.
- ____7. A list of all eligible and potentially eligible National Register of Historic Places sites within one half (1/2) mile of the proposed project area.
- ____8. If there has been an archaeological survey done in the area, a copy of that report.
- ____9. It is not necessary to send original color photos if you can provide high-resolution color copies.
- ____10. A letter of concurrence from the appropriate State Historic Preservation Office.

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

Please note: Our research/processing fee is currently \$150. This fee will be changing effective January 1, 2011 to \$250.

Please send these requested materials in hard copy format. Send to:

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

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

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

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

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

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

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

Notification Received: 10/21/2011
Notification ID: 80486
Tower Owner Individual or Entity Name: TEP for the North Carolina Highway Patrol
Consultant Name: Kyle W Crawford
Street Address: 3703 Junction Blvd.

City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-5263
Phone: 919-661-6351
Email: kcrawford@tepgroup.net

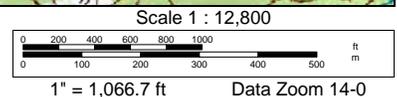
Structure Type: GTOWER - Guyed Tower
Latitude: 36 deg 26 min 13.0 sec N
Longitude: 78 deg 7 min 28.5 sec W
Location Description: 261 Beef Tongue Road
City: Warrenton
State: NORTH CAROLINA
County: WARREN
Ground Elevation: 132.6 meters
Support Structure: 146.3 meters above ground level
Overall Structure: 150.9 meters above ground level
Overall Height AMSL: 283.5 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





Warrenton

1316

158

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Imagery Date: 6/17/2008

36°26'13.48" N 78°07'25.70" W elev 438 ft

Eye alt 3286 ft

Section III – Informal Biological Assessment

COMMUNICATIONS TOWER SITE
EVALUATION FORM

1. Location (Provide maps if possible):
State: NC County: Warren Latitude/Longitude/GPS Grid: N 36 26 13, W 78 7 28.48
City and Highway Direction (2 miles W on Hwy 20, etc.): 261 Beef Tongue Road, Warrenton, NC
2. Elevation above mean sea level: ~435.2-ft
3. Will the equipment be co-located on an existing FCC licensed tower or other existing structure (building, water tank, etc)? Y/N NO If yes, type of structure:
4. If yes, will the compound be expanded: NO
If yes, will the tower be extended: NO
5. If No, provide proposed specifications for the new tower:
Height: 480-ft Guyed Structure, 495-ft. with top of lightning rod.
Construction Type (lattice, monopole, etc.): Guyed
Guyed-Wire? YES No. Bands: 3 Total No. Wires:Unknown - assume ~9
Lightning (Security and Aviation): Anticipated to be equipped with a dual mode lighting system that utilizes medium intensity lights.
6. Area of tower footprint in acres or square feet: Compound = 1,281.7 sq. ft. Guyed Anchors = 480 sq. ft.
7. Length and width of access road in feet: Length: ~405-ft
Width: ~12-ft.
Area of proposed access drive: ~5,422 sq. ft.
8. General description of terrain (mountains, rolling hills, flat, flat in undulating, etc.). Photographs of the site and surrounding area are beneficial: flat to gently sloping to the west
9. Meteorological conditions (incidence of fog, low ceilings, rain, etc.): sunny, warm
10. Soil Type(s): Appling sandy loam, 2-6% slopes and Helena sandy loam, 2-6% slopes.

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

| Habitat Type: | Acreage: | Percentage of Total: |
|---------------|------------|----------------------|
| Cutover | ~ 10 acres | 100 |

Adjacent land use: Agricultural and forested

12. Dominant vegetative species in each habitat type: Loblolly Pine, Blackberry, Privet sp.

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

Tree species: Diameter (inches):

All species were less than 20-ft in height with a diameter not exceeding 4-in. DBH. According to historical aerial photographs, the property appeared to have been cleared of timber between the years of 2003 and 2005.

14. 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: No, the proposed tower will be adjacent to an existing earthen access road, and approximately 378-ft north of Beef Tongue Road. Additionally, the site is bordered on the east and west by an actively cultivated agricultural field.

15. Is evidence of bird roosts or rookeries present? Y/N NO If yes, describe:

16. Distance to nearest wetland area (forested swamp, marsh, riparian, marine, etc.), and coastline, if applicable: According to the NWI map, a freshwater emergent wetland is located on the proposed purchase tract, approximately 175-ft west of the proposed tower compound lease area.

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

18. Potential for co-location of antennas on existing towers or other structures: NO

19. Have measures been incorporated for minimizing impacts to migratory birds? Y/N NO If yes, describe:

20. 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 YES If yes, present findings: No listed threatened or endangered species were observed during the time of inspection.

21. Additional information required:

U.S. Fish & Wildlife Service

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

Warren County, North Carolina



Updated: 09-22-2010

| Common Name | Scientific name | Federal Status | Record Status |
|---------------------------------------|--|----------------|---------------|
| Vertebrate: | | | |
| American eel | <i>Anguilla rostrata</i> | FSC | Current |
| Bachman's sparrow | <i>Aimophila aestivalis</i> | FSC | Current |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | BGPA | Current |
| Pinewoods shiner | <i>Lythrurus matutinus</i> | FSC | Obscure |
| Roanoke bass | <i>Ambloplites cavifrons</i> | FSC | Current |
| Invertebrate: | | | |
| Atlantic pigtoe | <i>Fusconaia masoni</i> | FSC | Current |
| Dwarf wedgemussel | <i>Alasmidonta heterodon</i> | E | Current |
| Tar River spinymussel | <i>Elliptio steinstansana</i> | E | Current |
| Yellow lance | <i>Elliptio lanceolata</i> | FSC | Current |
| Vascular Plant: | | | |
| Prairie birdsfoot-trefoil | <i>Lotus unifoliolatus</i> var. <i>helleri</i> | FSC | Historic |
| Nonvascular Plant: | | | |
| Lichen: | | | |

Definitions of Federal Status Codes:

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

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

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

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

FSC = federal species of concern. A species under consideration for listing, for which there is

insufficient information to support listing at this time. These species may or may not be listed in the future, and many of these species were formerly recognized as "C2" candidate species.

T(S/A) = threatened due to similarity of appearance. A taxon that is threatened due to similarity of appearance with another listed species and is listed for its protection. Taxa listed as T(S/A) are not biologically endangered or threatened and are not subject to Section 7 consultation. See below.

EXP = experimental population. A taxon listed as experimental (either essential or nonessential).

Experimental, nonessential populations of endangered species (e.g., red wolf) are treated as threatened species on public land, for consultation purposes, and as species proposed for listing on private land.

P = proposed. Taxa proposed for official listing as endangered or threatened will be noted as "PE" or "PT", respectively.

Bald and Golden Eagle Protection Act (BGPA):

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

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

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

Definitions of Record Status:

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

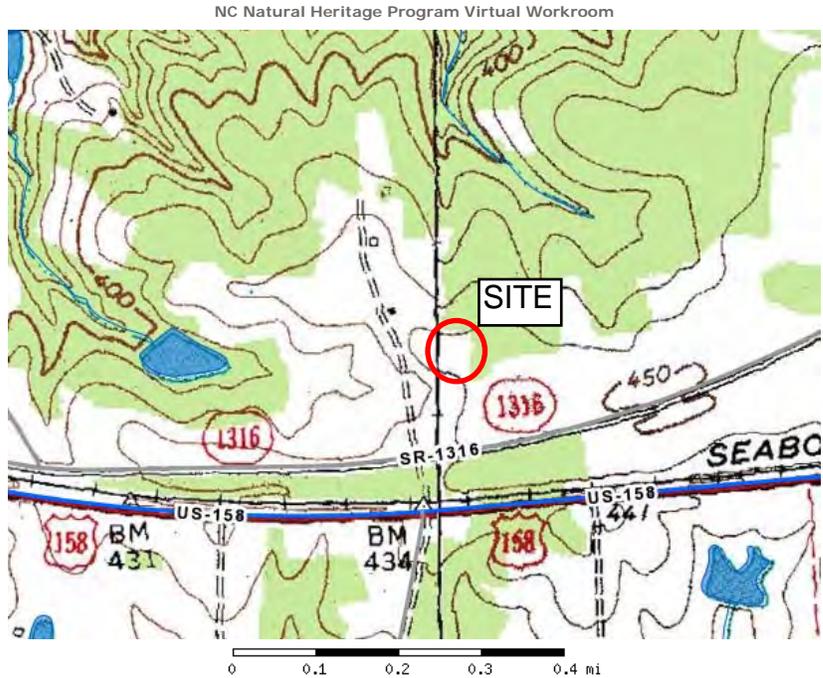
Historic - the species was last observed in the county more than 50 years ago.

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

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

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

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



■ Home ■ Help

Locator Map

Map Size: 600 x 450

Functions

- Zoom In
- Zoom Out
- Pan
- Identify

Quick View

--Choose Region--

[Problems or Questions?](#)

Please cite as: "North Carolina Natural Heritage Program. 2011. Biotics Database. Department of Environment and Natural Resources, Raleigh, North Carolina." Data updated on: 2011-Oct-24

Powered By: ■ MapServer ■ PHP ■ PostgreSQL ■ PostGIS

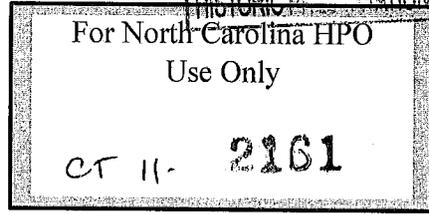
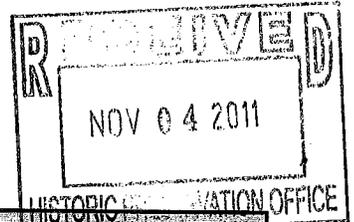
0 record(s) found within 2 miles of the selected point

| Scientific Name | EO Nb | Common Name | Date Last Observed | EO Rank | EO Accuracy | State Protection Status | Federal Protection Status | State Rank | Global Rank | Habitat Comments |
|-----------------|-------|-------------|--------------------|---------|-------------|-------------------------|---------------------------|------------|-------------|------------------|
|-----------------|-------|-------------|--------------------|---------|-------------|-------------------------|---------------------------|------------|-------------|------------------|

No Records

Section IV - NEPA Supporting Documentation

Communications Tower Review Form



I. Applicant Information:

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

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

X Raw Land (New) Co-Location Applicant's Identification # HP-1299
Address: 261 Beef Tongue Road, Warrenton
County: Warren, North Carolina FCC Registration No.
Tower type and height: 480-ft SST 495-ft with appurt. Quad Name: Warrenton/Macon

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: 1
31WR247** recorded by ACC. Historic period home site. Not eligible for NRHP. No further work recommended.

Architecture

of recorded sites within 1.5 mile radius: 1

Surveyed Property: WR0200 Powell House

IV. Additional Information/Investigation Needed:

No Survey
No Testing of sites
Recommended by/on: [Signature] 11/7/11
(Office of State Archaeology)

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

V. Recommendations/Final Determination:

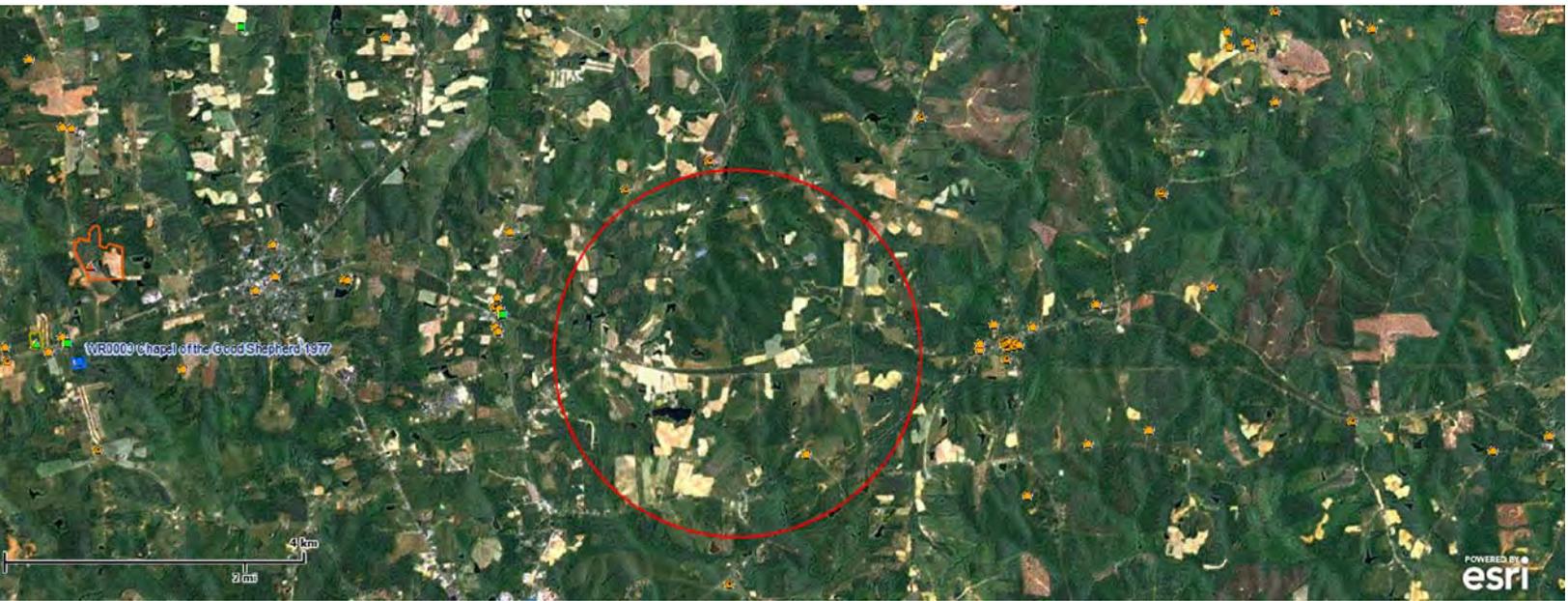
Recommendations for additional work are shown above.
X The proposed communication tower will NOT affect historic properties in the area of potential effect.

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

11.7.11
Date

cc: FCC

Warren



Copyright 2010 Esri. All rights reserved. Mon Aug 22 2011 01:20:11 PM.

Warren



Copyright 2010 Esri. All rights reserved. Mon Aug 22 2011 01:19:09 PM.

SHPO Results

Surveyed Point:

1. Site ID: WR0200
County: Warren
Site Name: Powell House

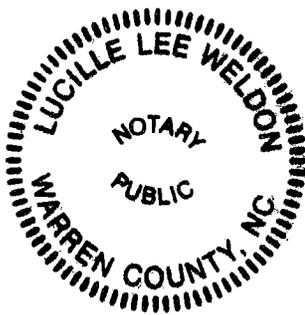
**LEGAL
NOTICES**

Public Notice

The North Carolina Department of Crime Control and Public Safety proposes the construction of a 480-ft (495-ft with appurtenances) AGL Guyed Emergency Services Tower that will be located at 261 Beef Tongue Road, west of the Community of Macon, north of the City of Warrenton, in central Warren County, North Carolina. The purchase tract property was formerly a portion of a larger tract identified as Warren County PIN# 2958-81-9130, however a Warren County PIN# associated with the proposed emergency services tower compound 10 acre tract is to be determined (TBD).

Please submit any written comments by 11/26/11 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



RECEIVED
OCT 28 2011

Affidavit of Printer's Proof

BY:

NORTH CAROLINA

WARREN COUNTY

I, Mary Lou Cheek,
Editor or Office Manager of The Warren Record, a weekly newspaper publication in the town of Warrenton, Warren County, and state of North Carolina, do so solemnly swear that a legal action entitled:

Public Notice
AGL Guyed Emergency
Services Tower - Beef
Tongue Rd. Warren Co

a true copy of which is made a part of this affidavit, did appear in the said The Warren Record in the following consecutive issues:

Oct. 26 20 11
Mary Lou Cheek
Editor or Office Manager

Sworn to and subscribed before me this

26 day of October, 20 11

Lucille Lee Weldon
Notary Public

My commission expires: 12-6-14



United States Department of the Interior

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

November 17, 2011

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

RE: Proposed 480ft AGL Guyed Communications Tower
NC Highway Patrol VIPER-Warrenton (Warren County)

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.

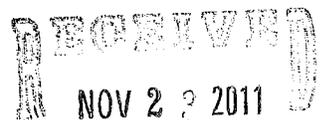
Endangered Species Act

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.

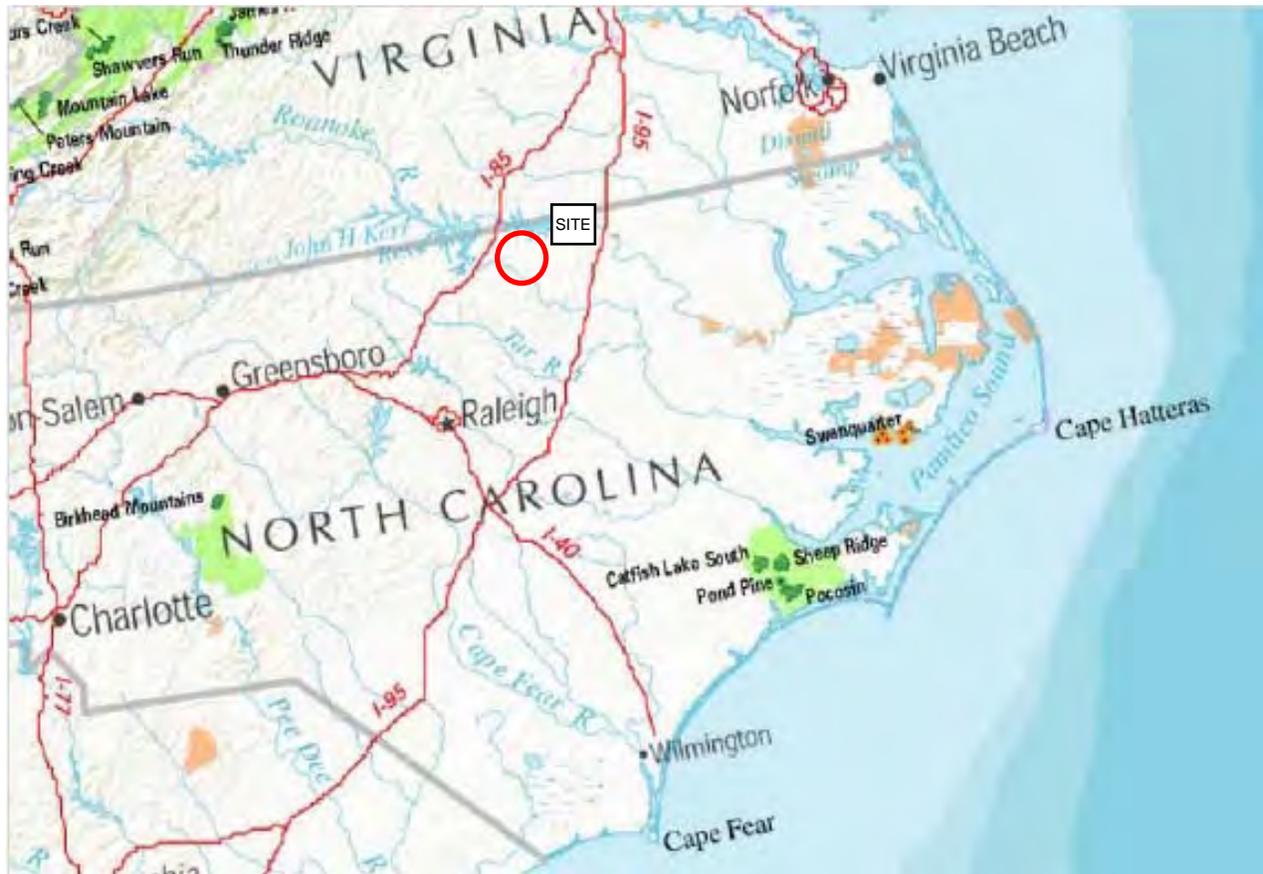
Sincerely


Pete Benjamin
Field Supervisor



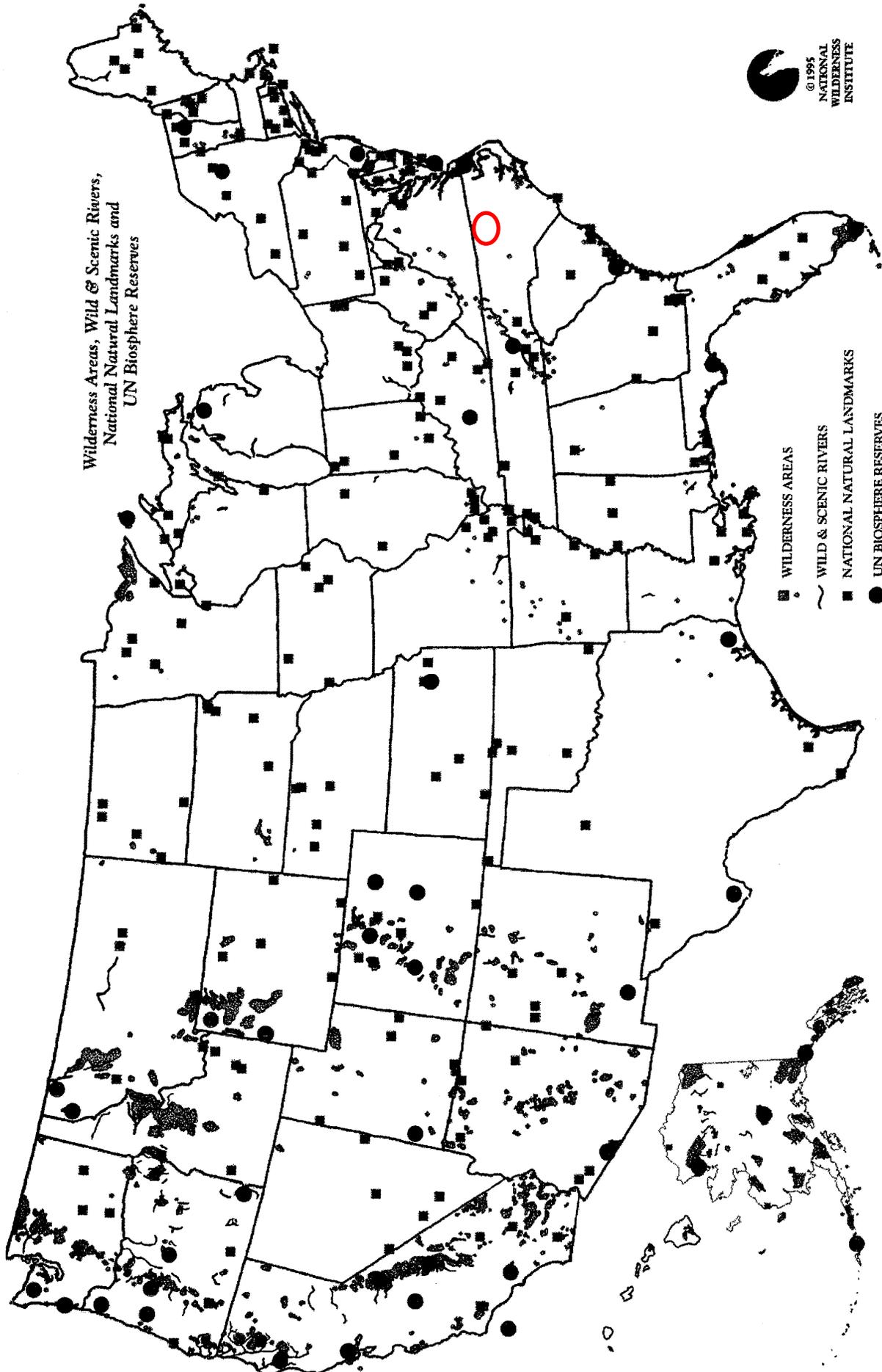
BY:

U.S. NATIONAL WILDERNESS PRESERVATION SYSTEM MAP



Map Legend

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



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

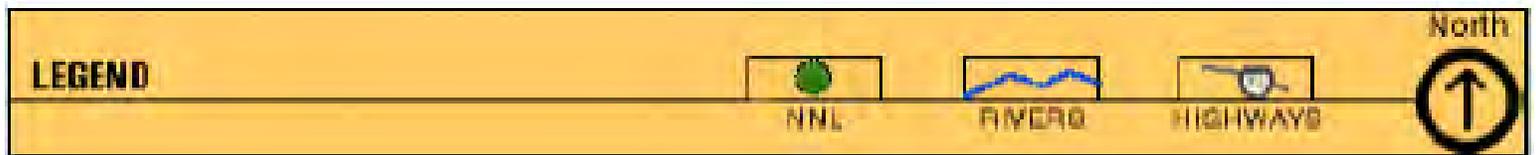
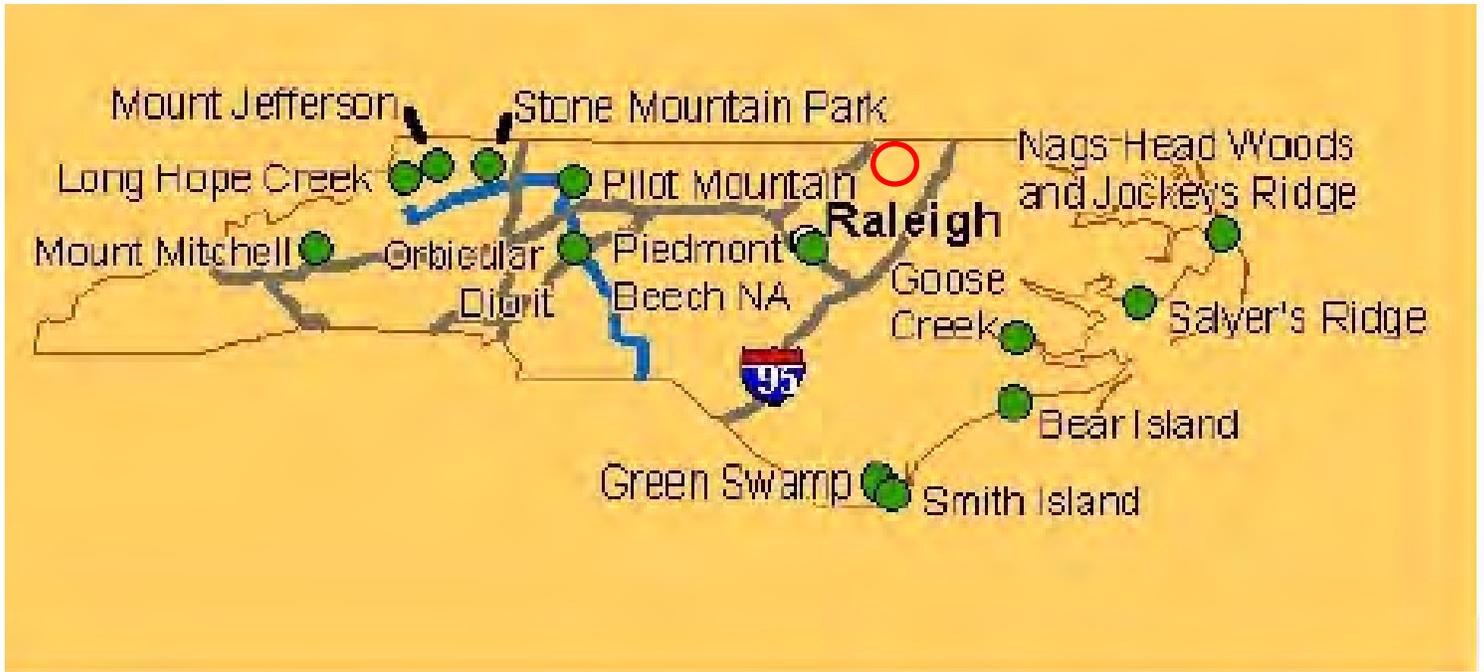
- WILDERNESS AREAS
- ~ WILD & SCENIC RIVERS
- NATIONAL NATURAL LANDMARKS
- UN BIOSPHERE RESERVES

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

© 1995 by National Wilderness Institute.

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

NORTH CAROLINA NATIONAL NATURAL LANDMARKS MAP





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.



NATIONAL REGISTRY
OF NATURAL LANDMARKS
JUNE 2009

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Brunswick County

GREEN SWAMP

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

SMITH ISLAND

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

Dare County

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

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

Davie County

ORBICULAR DIORITE

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

Hyde County

**SALYER'S RIDGE
NATURAL AREA**

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

New Hanover County

SMITH ISLAND

(see Brunswick County)

Onslow County

BEAR ISLAND

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



NATIONAL REGISTRY
OF NATURAL LANDMARKS
JUNE 2009

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Surry County

PILOT MOUNTAIN

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

Wake County

**PIEDMONT BEECH
NATURAL AREA**

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

Watauga County

**LONG HOPE CREEK
SPRUCE BOG**

(see Ashe County)

Wilkes County

STONE MOUNTAIN

(see Alleghany County)

Yancey County

**MOUNT MITCHELL STATE
PARK**

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

NORTH DAKOTA (4)

Billings County

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

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

Cavalier County

RUSH LAKE

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



Tower Construction Notification

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

[FCC Site Map](#)

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

Tower Construction Notification New Notification

[Notifications Home](#)

Your Notification has been successfully submitted to the FCC. The date for this Notification is 10/21/2011. Your Notification ID number is **80486**. Please make a note of this Notification ID — print out this page for your records. A confirmation of this submitted notification will also be emailed to the email address specified in your notification.

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

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

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

| | |
|---------------------------|---|
| ASR Help | ASR License Glossary - FAQ - Online Help - Documentation - Technical Support |
| ASR Online Systems | TOWAIR- CORES/ASR Registration - ASR Online Filing - Application Search - Registration Search |
| About ASR | Privacy Statement - About ASR - ASR Home |

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

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

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

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, October 21, 2011 1:37 PM
To: Kyle Crawford
Subject: Proposed Tower Structure Info - Email ID #2903190

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: 10/21/2011

Notification ID: 80486

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

Consultant Name: Kyle W Crawford

Street Address: 3703 Junction Blvd.

City: Raleigh

State: NORTH CAROLINA

Zip Code: 27603-5263

Phone: 919-661-6351

Email: kcrawford@tepgroup.net

Structure Type: GTOWER - Guyed Tower

Latitude: 36 deg 26 min 13.0 sec N

Longitude: 78 deg 07 min 28.5 sec W

Location Description: 261 Beef Tongue Road

City: Warrenton

State: NORTH CAROLINA

County: WARREN

Ground Elevation: 132.6 meters

Support Structure: 146.3 meters above ground level

Overall Structure: 150.9 meters above ground level

Overall Height AMSL: 283.5 meters above mean sea level

Kyle Crawford

From: towernotifyinfo@fcc.gov
Sent: Friday, October 28, 2011 3:01 AM
To: Kyle Crawford
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2904230

Dear Sir or Madam:

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

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

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

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

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

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

3. Administrative Assistant Jo Ann Beckham - Eastern Shawnee Tribe of Oklahoma - Seneca, MO - electronic mail

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

4. THPO Kim Jumper - Shawnee Tribe - Miami, OK - regular mail

Details: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON ALL PROJECTS BUILT IN OUR AREAS OF GEOGRAPHIC INTEREST.

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

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

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

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

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

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated

on 14 January 2008 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the tower builder's responsibility to make sure that you have our most recent consultation procedures.

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

5. THPO and Executive Director Dr. Wenonah G Haire - Catawba Indian Nation Cultural Preservation Project - Rock Hill, SC - electronic mail and regular mail
Details: The Catawba Indian Nation Tribal Historic Preservation Office requests that you send us by regular mail the following information needed to complete our research for the your proposed project:

Project Name _____

Project Number _____

- ____ 1. The name, complete address, phone number, fax number and e-mail address of the project manager.
- ____ 2. The project location plotted on a topo map.
- ____ 3. The project name, address and location; street or highway, city, county, state.
- ____ 4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated.
- ____ 5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.
- ____ 6. A list of all recorded archaeological sites within one half (1/2) mile of the project area.
- ____ 7. A list of all eligible and potentially eligible National Register of Historic Places sites within one half (1/2) mile of the proposed project area.
- ____ 8. If there has been an archaeological survey done in the area, a copy of that report.
- ____ 9. It is not necessary to send original color photos if you can provide high-resolution color copies.
- ____ 10. A letter of concurrence from the appropriate State Historic Preservation Office.

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

Please note: Our research/processing fee is currently \$150. This fee will be changing effective January 1, 2011 to \$250.

Please send these requested materials in hard copy format. Send to:

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

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

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

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

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

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

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

Notification Received: 10/21/2011
Notification ID: 80486
Tower Owner Individual or Entity Name: TEP for the North Carolina Highway Patrol
Consultant Name: Kyle W Crawford
Street Address: 3703 Junction Blvd.

City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-5263
Phone: 919-661-6351
Email: kcrawford@tepgroup.net

Structure Type: GTOWER - Guyed Tower
Latitude: 36 deg 26 min 13.0 sec N
Longitude: 78 deg 7 min 28.5 sec W
Location Description: 261 Beef Tongue Road
City: Warrenton
State: NORTH CAROLINA
County: WARREN
Ground Elevation: 132.6 meters
Support Structure: 146.3 meters above ground level
Overall Structure: 150.9 meters above ground level
Overall Height AMSL: 283.5 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: Richard Allen [Richard-Allen@cherokee.org]
Sent: Tuesday, December 20, 2011 5:38 PM
To: Kyle Crawford
Subject: RE: TEP Concurrence - Warrenton - TCNS# 80486

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: Friday, November 04, 2011 8:05 AM
To: Richard Allen; Richard Allen
Subject: TEP Concurrence - Warrenton - TCNS# 80486

Dr. Allen,

I have attached information concerning the proposed NC Highway Patrol facility identified as Warrenton (TCNS# 80486) 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 | Tower Engineering Professionals, Inc. (www.tepgroup.net)

3703 Junction Boulevard | Raleigh, NC 27603-5263 | Office: (919) 661-6351 | Fax: (919) 661-6350 | Mobile: (919) 880-3446



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: 11/18/11
 FAX NUMBER: 919-661-6350 NO. OF PAGES, INCLUDING COVER: 1
 PHONE NUMBER: _____ MEMO: 80486

Message: The Shawnee Tribe's Tribal Historic Preservation Officer concurs that no known historic properties will be negatively impacted by construction of this tower site (see memo line above for TCNS number/s). The Shawnee Tribe's archives do not reveal any issues of concern at this tower location. In the event that archaeological materials are encountered later during construction, use, or maintenance of this tower location, please re-notify us at that time as we would like to resume consultation under such a circumstance.

The Shawnee Tribe's Environmental and Natural Resources Department takes this opportunity to express its concerns that telecommunication towers can have a potentially destructive impact on bats and migratory birds, particularly those that migrate at night, including species listed as threatened and endangered by both states and the federal government, as well as other species. The Shawnee Tribe suggests that this tower be constructed in accordance with the guidelines available from the US Fish and Wildlife Service to reduce the adverse effects of telecommunications towers on migratory birds; these guidelines may be found at: www.fws.gov/migratorybirds/issues/towers/comtow.html.

The Shawnee Tribe's Environmental and Natural Resources Department is further concerned that the proliferation of cell towers may play a role in honey bee Colony Collapse Disorder. We acknowledge that cell phone technology may not be to blame, especially by itself, as other potential causative factors for the decline have been noted, such as insecticides, tracheal and varroa mites [an immunosuppressant], other parasites, pesticides used on hives to eliminate parasites, genetically modified plants, *Nosema* fungus, Israeli Acute Paralysis Virus (IAPV) perhaps introduced from Australia in 2004, Kashmir Bee Virus [KBV], climate change, and drought.

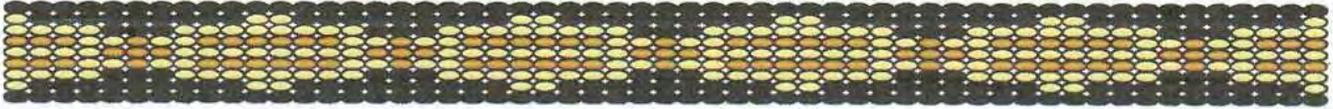
Finally, the Shawnee Tribe's Environmental and Natural Resources Department requests that cell tower sites, whenever remotely feasible, be restored to native vegetation. In all cases, habitat restoration can protect a variety of species, even in small project areas. The large number of cell tower sites provides an as yet unrealized opportunity for region-wide habitat restoration. The Tribe urges the cell phone industry to provide a model for native habitat restoration for other industries.

Please do not hesitate to call us for additional comment.



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

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



November 29, 2011

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

| Re. THPO # | TCNS# | Project Description |
|------------|-------|---|
| 2012-12-3 | 80486 | Proposed 480ft tower Warrenton 261 Beef Tongue Road Warrenton, NC |
| 2012-12-4 | 80740 | Proposed 180ft Tower 312-218 Kings Road Myrtle Beach, SC |

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,

A handwritten signature in cursive script that reads "Caitlin Totherow for".

Wenonah G. Haire
Tribal Historic Preservation Officer



NACD Query Results

Full Data Report

Query input:

State = North Carolina

County = Warren

The following 1 records for Federally recognized Indian tribe(s), Native Hawaiian organization(s), Alaska Native corporation(s), and/or their designated NAGPRA contact(s) have been identified:

- Eastern Band of Cherokee Indians of North Carolina

The following 0 related records have been identified:

There are 1 total records

FULL DATA REPORT

Eastern Band of Cherokee Indians of North Carolina

FEDERALLY APPROVED NAGPRA ENTITY: **Yes**

ENTITY TYPE(S):

- Federally Recognized Indian Tribe
- Plaintiff in Land Claims Case

AUTHORITY:

- BIA Recognized Indian Entities, Federal Register, Nov. 25, 2005

Contact(s)

Authority

Michell Hicks
Eastern Band of Cherokee Indians
P.O. Box 455
Qualla Boundary
Cherokee, NC 28719
828-497-2771
828-497-7007
September 2007
Principal Chief

BIA Tribal Leaders Directory, Jan. 2006

Contact(s)

Authority

Ms. Kathy McCoy
Eastern Band of Cherokee Indians
P.O. Box 455
Cherokee, NC 28719
704-497-9023

NAGPRA Contact

Letter From Tribal Official

Contact(s)

Authority

Mr. Russell Townsend
Eastern Band of Cherokee Indians
88 Council House Loop
PO Box 455
Cherokee, NC 28719
828-497-2771
828-497-7007 Fax

NAGPRA Contact

Letter From Tribal Official

RELATED TRIBES/VILLAGES

Used For Cherokee (Also Known As)

Used For Cherokee (Also Known As)

Used For Cherokee [generic] (Also Known As)

RESERVATION NAME(S)

| <u>State</u> | <u>County</u> | <u>Reservation Name</u> |
|--------------|---------------|-----------------------------|
| NC | Haywood | Cherokee Indian Reservation |
| NC | Jackson | |
| NC | Swain | |

STATE(S) AND COUNTY(IES) INHABITED

| <u>State</u> | <u>County</u> |
|--------------|---------------|
|--------------|---------------|

LAND AREA CLAIMS

| <u>St</u> | <u>County</u> | <u>Land Claim Authority</u> | <u>Map ID</u> |
|-----------|---------------|-----------------------------------|-------------------------|
| AL | Blount | Indian Claims Commission decision | Land Claims Map ID # 37 |
| AL | Calhoun | | |
| AL | Cherokee | | |
| AL | Cleburne | | |
| AL | Colbert | | |
| AL | Cullman | | |
| AL | De Kalb | | |
| AL | Etowah | | |
| AL | Fayette | | |
| AL | Franklin | | |
| AL | Jackson | | |
| AL | Lamar | | |
| AL | Lauderdale | | |
| AL | Lawrence | | |
| AL | Limestone | | |
| AL | Madison | | |
| AL | Marion | | |
| AL | Marshall | | |
| AL | Morgan | | |
| AL | Pickens | | |
| AL | Walker | | |
| AL | Winston | | |
| GA | Banks | | |
| GA | Bartow | | |
| GA | Catoosa | | |

GA Chattooga
GA Cherokee
GA Cobb
GA Dade
GA Dawson
GA Fannin
GA Floyd
GA Forsyth
GA Fulton
GA Gilmer
GA Gordon
GA Gwinnett
GA Habersham
GA Hall
GA Haralson
GA Lumpkin
GA Murray
GA Paulding
GA Pickens
GA Polk
GA Rabun
GA Stephens
GA Towns
GA Union
GA Walker
GA White
GA Whitfield
KY Bell
KY Clinton
KY Crittenden
KY Cumberland
KY Knox
KY Laurel
KY Livingston
KY Lyon
KY McCreary
KY Monroe
KY Pulaski

KY Russell
KY Trigg
KY Wayne
KY Whitley
MS Clay
MS Lowndes
MS Monroe
MS Tishomingo
NC Buncombe
NC Cherokee
NC Clay
NC Graham
NC Haywood
NC Henderson
NC Jackson
NC Macon
NC Madison
NC McDowell
NC Polk
NC Rutherford
NC Swain
NC Transylvania
NC Yancey
SC Greenville
SC Oconee
SC Pickens
TN Anderson
TN Bedford
TN Benton
TN Bledsoe
TN Blount
TN Bradley
TN Campbell
TN Cannon
TN Cheatham
TN Claiborne
TN Clay
TN Cocke

TN Coffee
TN Cumberland
TN Davidson
TN De Kalb
TN Decatur
TN Dickson
TN Fentress
TN Franklin
TN Giles
TN Grainger
TN Greene
TN Grundy
TN Hamblen
TN Hamilton
TN Hancock
TN Hardin
TN Hawkins
TN Hickman
TN Houston
TN Humphreys
TN Jackson
TN Jefferson
TN Knox
TN Lawrence
TN Lewis
TN Lincoln
TN Loudon
TN Marion
TN Marshall
TN Maury
TN McMinn
TN Meigs
TN Monroe
TN Montgomery
TN Moore
TN Morgan
TN Overton

TN P

TN Pickett
TN Polk
TN Putnam
TN Rhea
TN Roane
TN Rutherford
TN Scott
TN Sequatchie
TN Sevier
TN Smith
TN Stewart
TN Sullivan
TN Sumner
TN Trousdale
TN Unicoi
TN Union
TN Van Buren
TN Warren
TN Washington
TN Wayne
TN White
TN Williamson
TN Wilson

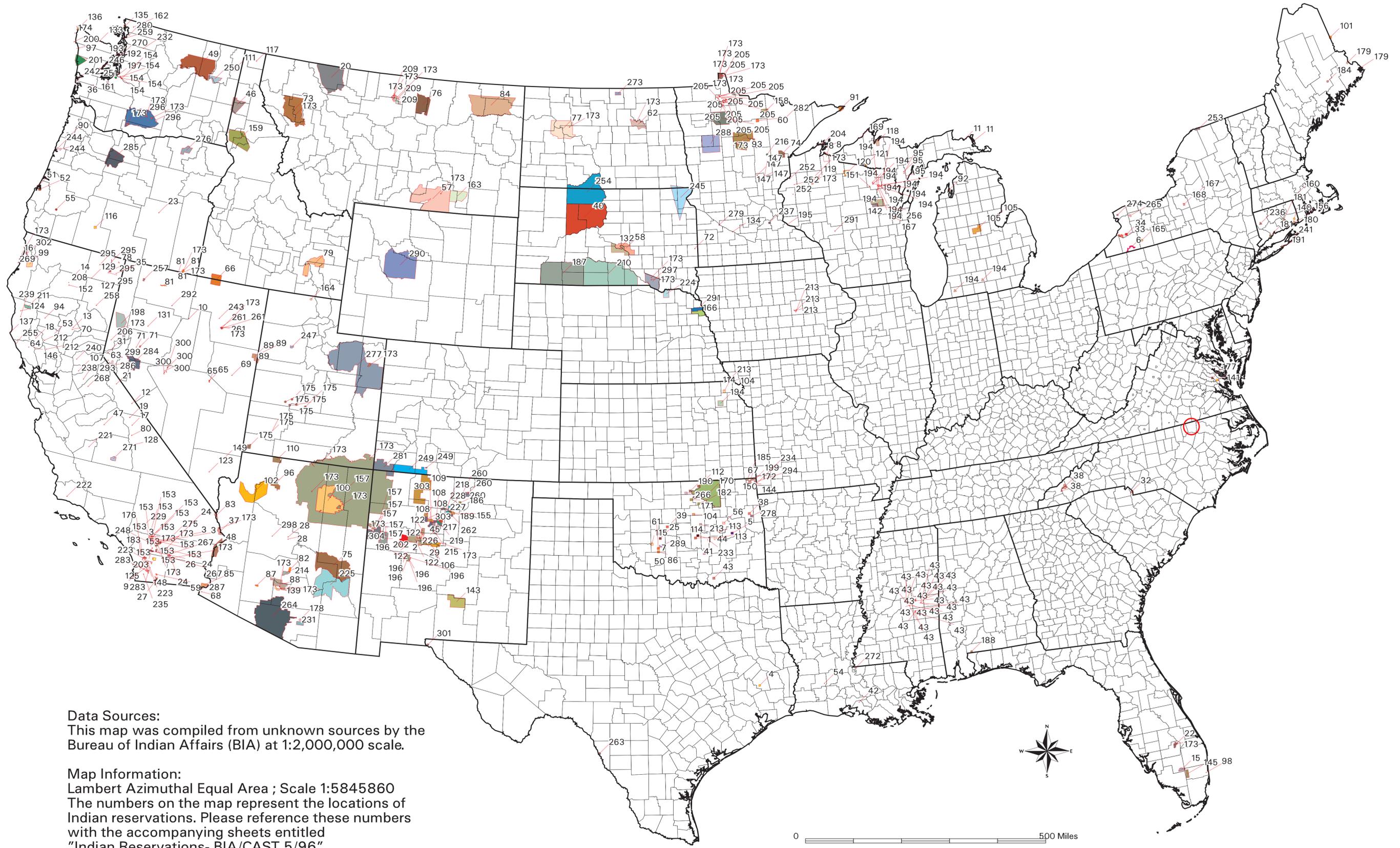
IDENTIFIED BY TRIBE AS BEING OF PARTICULAR INTEREST

Not provided

[Return to top of page](#)

[Return to Query Page](#)

Indian Reservations in the Continental United States



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

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



National NAGPRA



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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) |
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| | | |
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| 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 |
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| 44. CITIZEN BAND OF POTAWATOMI * | 146. MIDDLETOWN | 248. SOBOBA |
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48. COLORADO RIVER
49. COLVILLE
50. COMANCHE *
51. COOS, LOWER UMPQUA
& SIUSLAW
52. COQUILLE *
53. CORTINA
54. COUSHATTA
55. COW CREEK
56. CREEK *
57. CROW
58. CROW CREEK
59. CUYAIPAPE
60. DEER CREEK
61. DELAWARE *
62. DEVILS LAKE
63. DRESSLERVILLE
COLONY
64. DRY CREEK
65. DUCKWATER
66. DUCK VALLEY
67. EASTERN SHAWNEE *
68. EAST COCOPAH
69. ELY COLONY
70. ENTERPRISE
71. FALLON
72. FLANDREAU INDIAN
SCHOOL
73. FLATHEAD
74. FOND DU LAC
75. FORT APACHE

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

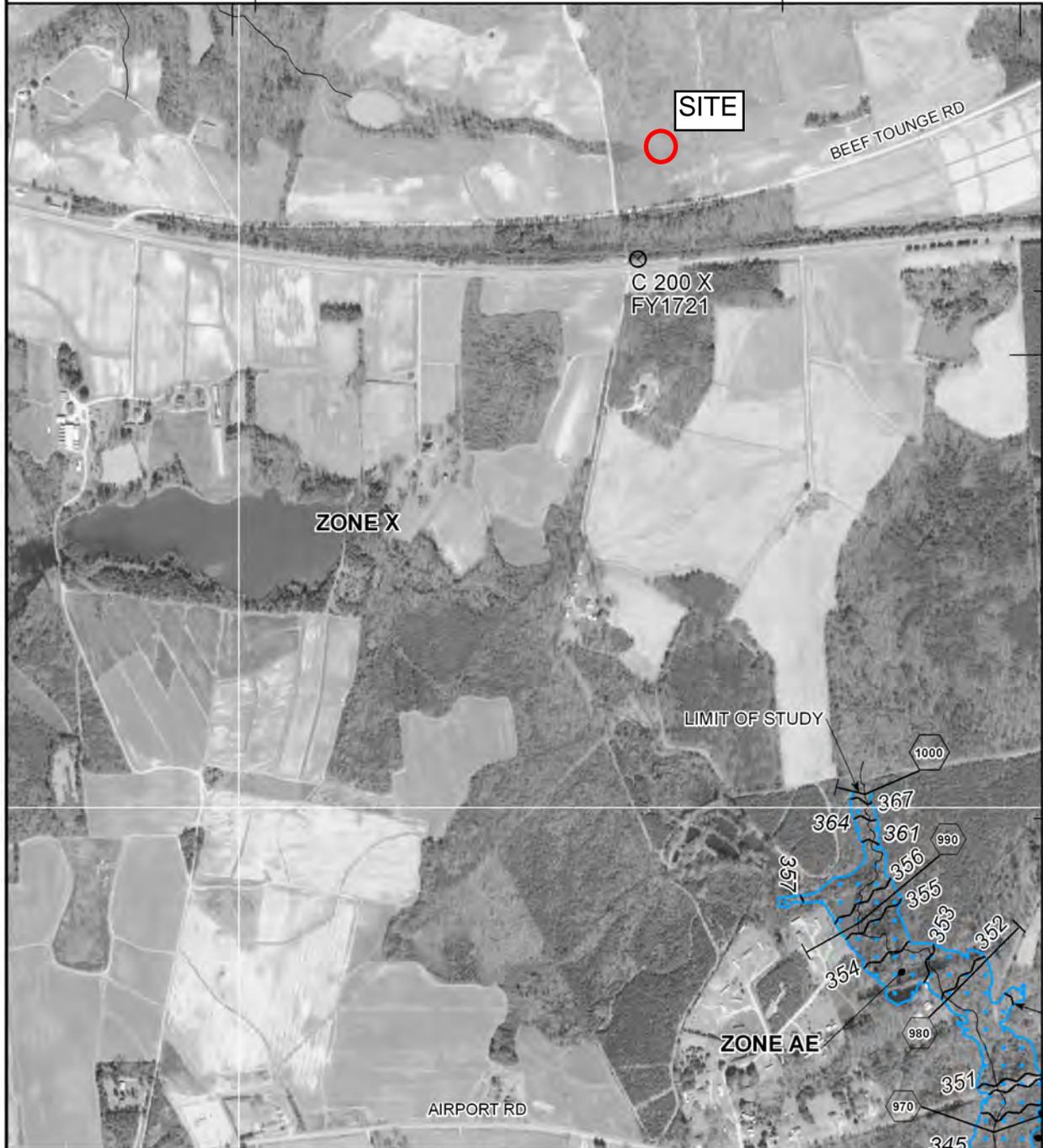
253. ST. REGIS
254. STANDING ROCK
255. STEWARTS POINT
256. STOCKBRIDGE
MUNSEE
257. SUMMIT LAKE
258. SUSANVILLE
259. SWINOMISH
260. TAOS
261. TE-MOAK
262. TESUQUE
263. TEXAS KICKAPOO
264. TOHONO O'ODHAM
265. TONAWANDA
266. TONIKAWA *
267. TORRES MARTINEZ
268. TOULUMNE
269. TRINDAD
270. TULALIP
271. TULE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

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

2 200 000 FEET
 757⁰⁰⁰ M
 78°08'00" JOINS PANEL 2958 758⁰⁰⁰ M 2 260 000 FEET
 78°07'00"



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



PANEL 2946J

FIRM
FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 2946

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

CONTAINS:

| COMMUNITY | CID No. | PANEL | SUFFIX |
|------------------|---------|-------|--------|
| NORLINA, TOWN OF | 370594 | 2946 | J |
| WARREN COUNTY | 370396 | 2946 | J |

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

EFFECTIVE DATE **MAP NUMBER**
APRIL 16, 2007 **3720294600J**



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 EVENT

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

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



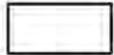
FLOODWAY AREAS IN ZONE AE

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



OTHER FLOOD AREAS

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

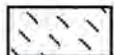


OTHER AREAS

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



COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS



OTHERWISE PROTECTED AREAS (OPAs)

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

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



GRID NORTH

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



PANEL 2946J

FIRM

**FLOOD INSURANCE RATE MAP
NORTH CAROLINA**

PANEL 2946

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

CONTAINS:

| COMMUNITY | CID No. | PANEL | SUFFIX |
|------------------|---------|-------|--------|
| NORLINA, TOWN OF | 370594 | 2946 | J |
| WARREN COUNTY | 370056 | 2946 | J |

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

EFFECTIVE DATE MAP NUMBER
APRIL 16, 2007 3720294600J



State of North Carolina
Federal Emergency Management Agency

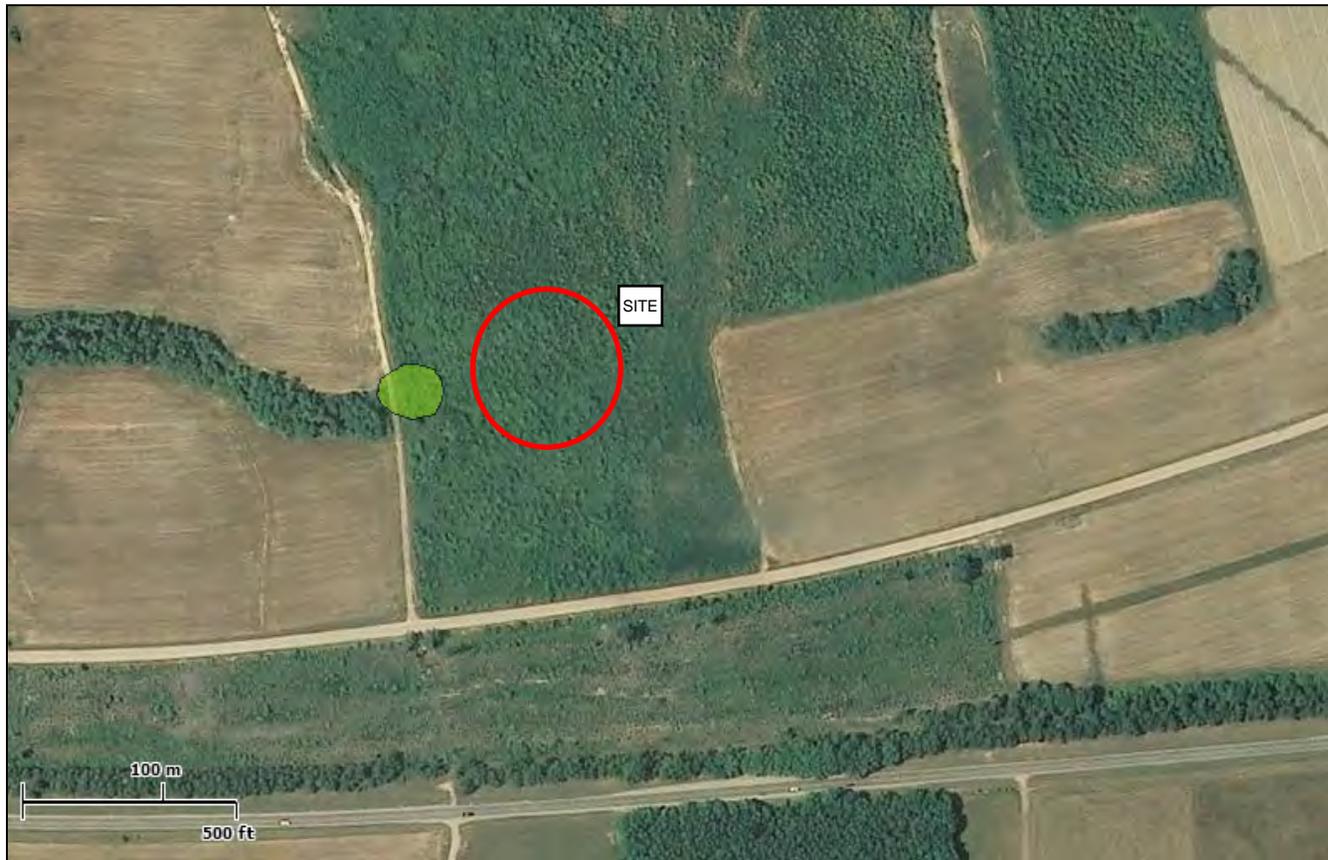
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U.S. Fish and Wildlife Service National Wetlands Inventory

Warren

Aug 22, 2011



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

Appendix C: NC DENR Air Pollution Response

Kyle Crawford

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

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

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

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

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

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

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

- Brendan Davey

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

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

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

Mr. Davey,

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

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

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

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

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

Thank you,
Kyle Crawford

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

Appendix D: Unique & Prime Farmland Impact Rating Form

FARMLAND CONVERSION IMPACT RATING

| | | | |
|---|------------------------------------|---------------------------------|---|
| PART I (To be completed by Federal Agency) | | Date Of Land Evaluation Request | 3/21/12 |
| Name Of Project | NC Highway Patrol Site: Warrenton | Federal Agency Involved | NC Dept. of Crime Control and Public Safety |
| Proposed Land Use | 480-ft. Guyed Communications Tower | County And State | Warren County, North Carolina |

| | | | |
|--|--------------|---|---------------------------------------|
| PART II (To be completed by NRCS) | | Date Request Received By NRCS | 3/20/12 |
| Does the site contain prime, unique, statewide or local important farmland? <i>(If no, the FPPA does not apply -- do not complete additional parts of this form).</i> | | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| | | Acres Irrigated | Average Farm Size |
| | | None | 254 |
| Major Crop(s) | Soybeans | Farmable Land In Govt. Jurisdiction | Amount Of Farmland As Defined in FPPA |
| | | Acres: 267485 % 94 | Acres: 241916 % 87 |
| Name Of Land Evaluation System Used | Warren CALES | Name Of Local Site Assessment System | Date Land Evaluation Returned By NRCS |
| | | | 3/21/12 |

| | | | | | |
|---|-----|-------------------------|--------|--------|--------|
| PART III (To be completed by Federal Agency) | | Alternative Site Rating | | | |
| | | Site A | Site B | Site C | Site D |
| A. Total Acres To Be Converted Directly | 0.2 | | | | |
| B. Total Acres To Be Converted Indirectly | 0.0 | | | | |
| C. Total Acres In Site | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | |
|--|--------|--|--|--|--|
| PART IV (To be completed by NRCS) Land Evaluation Information | | | | | |
| A. Total Acres Prime And Unique Farmland | 0.2 | | | | |
| B. Total Acres Statewide And Local Important Farmland | | | | | |
| C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted | 0.0001 | | | | |
| D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value | 32.5 | | | | |

| | | | | |
|---|----|---|---|---|
| PART V (To be completed by NRCS) Land Evaluation Criterion | 90 | 0 | 0 | 0 |
| Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points) | | | | |

| | | | | | |
|---|----------------|----|---|---|---|
| PART VI (To be completed by Federal Agency) | Maximum Points | | | | |
| Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b)) | | | | | |
| 1. Area In Nonurban Use | 15 | | | | |
| 2. Perimeter In Nonurban Use | 10 | | | | |
| 3. Percent Of Site Being Farmed | 0 | | | | |
| 4. Protection Provided By State And Local Government | 0 | | | | |
| 5. Distance From Urban Builtup Area | 10 | | | | |
| 6. Distance To Urban Support Services | 10 | | | | |
| 7. Size Of Present Farm Unit Compared To Average | 0 | | | | |
| 8. Creation Of Nonfarmable Farmland | 10 | | | | |
| 9. Availability Of Farm Support Services | 5 | | | | |
| 10. On-Farm Investments | 0 | | | | |
| 11. Effects Of Conversion On Farm Support Services | 0 | | | | |
| 12. Compatibility With Existing Agricultural Use | 1 | | | | |
| TOTAL SITE ASSESSMENT POINTS | 160 | 61 | 0 | 0 | 0 |

| | | | | | |
|---|-----|-----|---|---|---|
| PART VII (To be completed by Federal Agency) | | | | | |
| Relative Value Of Farmland (From Part V) | 100 | 90 | 0 | 0 | 0 |
| Total Site Assessment (From Part VI above or a local site assessment) | 160 | 61 | 0 | 0 | 0 |
| TOTAL POINTS (Total of above 2 lines) | 260 | 151 | 0 | 0 | 0 |

| | | |
|--------------------------|-------------------|---|
| Site Selected: Warrenton | Date Of Selection | Was A Local Site Assessment Used? |
| | | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |

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

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

Step 1 – Federal agencies involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form.

Step 2 – Originator will send copies A, B and C together with maps indicating locations of site(s), to the Natural Resources Conservation Service (NRCS) local field office and retain copy D for their files. (Note: NRCS has a field office in most counties in the U.S. The field office is usually located in the county seat. A list of field office locations are available from the NRCS State Conservationist in each state).

Step 3 – NRCS will, within 45 calendar days after receipt of form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland.

Step 4 – In cases where farmland covered by the FPPA will be converted by the proposed project, NRCS field offices will complete Parts II, IV and V of the form.

Step 5 – NRCS will return copy A and B of the form to the Federal agency involved in the project. (Copy C will be retained for NRCS records).

Step 6 – The Federal agency involved in the proposed project will complete Parts VI and VII of the form.

Step 7 – The Federal agency involved in the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA and the agency's internal policies.

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

Part I: In completing the "County And State" questions list all the local governments that are responsible for local land controls where site(s) are to be evaluated.

Part III: In completing item B (Total Acres To Be Converted Indirectly), include the following:

1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them.
2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities) that will cause a direct conversion.

Part VI: Do not complete Part VI if a local site assessment is used.

Assign the maximum points for each site assessment criterion as shown in § 658.5 (b) of CFR. In cases of corridor-type projects such as transportation, powerline and flood control, criteria #5 and #6 will not apply and will be weighed zero, however, criterion #8 will be weighed a maximum of 25 points, and criterion #11 a maximum of 25 points.

Individual Federal agencies at the national level, may assign relative weights among the 12 site assessment criteria other than those shown in the FPPA rule. In all cases where other weights are assigned relative adjustments must be made to maintain the maximum total weight points at 160.

In rating alternative sites, Federal agencies shall consider each of the criteria and assign points within the limits established in the FPPA rule. Sites most suitable for protection under these criteria will receive the highest total scores, and sites least suitable, the lowest scores.

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, adjust the site assessment points to a base of 160. Example: if the Site Assessment maximum is 200 points, and alternative Site "A" is rated 180 points:

$$\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \times 160 = 144 \text{ points for Site "A."}$$

Site Assessment Scoring for the Twelve Factors Used in FPPA

The Site Assessment criteria used in the Farmland Protection Policy Act (FPPA) rule are designed to assess important factors other than the agricultural value of the land when determining which alternative sites should receive the highest level of protection from conversion to non agricultural uses.

Twelve factors are used for Site Assessment and ten factors for corridor-type sites. Each factor is listed in an outline form, without detailed definitions or guidelines to follow in the rating process. The purpose of this document is to expand the definitions of use of each of the twelve Site Assessment factors so that all persons can have a clear understanding as to what each factor is intended to evaluate and how points are assigned for given conditions.

In each of the 12 factors a number rating system is used to determine which sites deserve the most protection from conversion to non-farm uses. The higher the number value given to a proposed site, the more protection it will receive. The maximum scores are 10, 15 and 20 points, depending upon the relative importance of each particular question. If a question significantly relates to why a parcel of land should not be converted, the question has a maximum possible protection value of 20, whereas a question which does not have such a significant impact upon whether a site would be converted, would have fewer maximum points possible, for example 10.

The following guidelines should be used in rating the twelve Site Assessment criteria:

1. How much land is in non-urban use within a radius of 1.0 mile from where the project is intended?

| | |
|-----------------------|----------------|
| More than 90 percent: | 15 points |
| 90-20 percent: | 14 to 1 points |
| Less than 20 percent: | 0 points |

This factor is designed to evaluate the extent to which the area within one mile of the proposed site is non-urban area. For purposes of this rule, "non-urban" should include:

- Agricultural land (crop-fruit trees, nuts, oilseed)
- Range land
- Forest land
- Golf Courses
- Non paved parks and recreational areas
- Mining sites
- Farm Storage
- Lakes, ponds and other water bodies
- Rural roads, and through roads without houses or buildings
- Open space
- Wetlands
- Fish production
- Pasture or hayland

Urban uses include:

- Houses (other than farm houses)
- Apartment buildings
- Commercial buildings
- Industrial buildings
- Paved recreational areas (i.e. tennis courts)
- Streets in areas with 30 structures per 40 acres
- Gas stations

- Equipment, supply stores
- Off-farm storage
- Processing plants
- Shopping malls
- Utilities/Services
- Medical buildings

In rating this factor, an area one-mile from the outer edge of the proposed site should be outlined on a current photo; the areas that are urban should be outlined. For rural houses and other buildings with unknown sizes, use 1 and 1/3 acres per structure. For roads with houses on only one side, use one half of road for urban and one half for non-urban.

The purpose of this rating process is to insure that the most valuable and viable farmlands are protected from development projects sponsored by the Federal Government. With this goal in mind, factor S1 suggests that the more agricultural lands surrounding the parcel boundary in question, the more protection from development this site should receive. Accordingly, a site with a large quantity of non-urban land surrounding it will receive a greater number of points for protection from development. Thus, where more than 90 percent of the area around the proposed site (do not include the proposed site in this assessment) is non-urban, assign 15 points. Where 20 percent or less is non-urban, assign 0 points. Where the area lies between 20 and 90 percent non-urban, assign appropriate points from 14 to 1, as noted below.

| Percent Non-Urban Land within 1 mile | Points |
|---|---------------|
| 90 percent or greater | 15 |
| 85 to 89 percent | 14 |
| 80 to 84 percent | 13 |
| 75 to 79 percent | 12 |
| 70 to 74 percent | 11 |
| 65 to 69 percent | 10 |
| 60 to 64 percent | 9 |
| 55 to 59 percent | 8 |
| 50 to 54 percent | 7 |
| 45 to 49 percent | 6 |
| 40 to 44 percent | 5 |
| 35 to 39 percent | 4 |
| 30 to 24 percent | 3 |
| 25 to 29 percent | 2 |
| 21 to 24 percent | 1 |
| 20 percent or less | 0 |

2. How much of the perimeter of the site borders on land in non-urban use?

| | |
|-----------------------|-----------------|
| More than 90 percent: | 10 points |
| 90 to 20 percent: | 9 to 1 point(s) |
| Less than 20 percent: | 0 points |

This factor is designed to evaluate the extent to which the land adjacent to the proposed site is non-urban use. Where factor #1 evaluates the general location of the proposed site, this factor evaluates the immediate perimeter of the site. The definition of urban and non-urban uses in factor #1 should be used for this factor.

In rating the second factor, measure the perimeter of the site that is in non-urban and urban use. Where more than 90 percent of the perimeter is in non-urban use, score this factor 10 points. Where less than 20 percent, assign 0 points. If a road is next to the perimeter, class the area according to the

use on the other side of the road for that area. Use 1 and 1/3 acre per structure if not otherwise known. Where 20 to 90 percent of the perimeter is non-urban, assign points as noted below:

| Percentage of Perimeter Bordering Land | Points |
|---|---------------|
| 90 percent or greater | 10 |
| 82 to 89 percent | 9 |
| 74 to 81 percent | 8 |
| 65 to 73 percent | 7 |
| 58 to 65 percent | 6 |
| 50 to 57 percent | 5 |
| 42 to 49 percent | 4 |
| 34 to 41 percent | 3 |
| 27 to 33 percent | 2 |
| 21 to 26 percent | 1 |
| 20 percent or Less | 0 |

3. How much of the site has been farmed (managed for a scheduled harvest or timber activity) more than five of the last ten years?

| | |
|-----------------------|------------------|
| More than 90 percent: | 20 points |
| 90 to 20 percent: | 19 to 1 point(s) |
| Less than 20 percent: | 0 points |

This factor is designed to evaluate the extent to which the proposed conversion site has been used or managed for agricultural purposes in the past 10 years.

Land is being farmed when it is used or managed for food or fiber, to include timber products, fruit, nuts, grapes, grain, forage, oil seed, fish and meat, poultry and dairy products.

Land that has been left to grow up to native vegetation without management or harvest will be considered as abandoned and therefore not farmed. The proposed conversion site should be evaluated and rated according to the percent, of the site farmed.

If more than 90 percent of the site has been farmed 5 of the last 10 years score the site as follows:

| Percentage of Site Farmed | Points |
|----------------------------------|---------------|
| 90 percent or greater | 20 |
| 86 to 89 percent | 19 |
| 82 to 85 percent | 18 |
| 78 to 81 percent | 17 |
| 74 to 77 percent | 16 |
| 70 to 73 percent | 15 |
| 66 to 69 percent | 14 |
| 62 to 65 percent | 13 |
| 58 to 61 percent | 12 |
| 54 to 57 percent | 11 |
| 50 to 53 percent | 10 |
| 46 to 49 percent | 9 |
| 42 to 45 percent | 8 |
| 38 to 41 percent | 7 |
| 35 to 37 percent | 6 |
| 32 to 34 percent | 5 |
| 29 to 31 percent | 4 |
| 26 to 28 percent | 3 |

| | |
|----------------------------------|---|
| 23 to 25 percent | 2 |
| 20 to 22 percent percent or Less | 1 |
| Less than 20 percent | 0 |

4. Is the site subject to state or unit of local government policies or programs to protect farmland or covered by private programs to protect farmland?

| | |
|------------------------|-----------|
| Site is protected: | 20 points |
| Site is not protected: | 0 points |

This factor is designed to evaluate the extent to which state and local government and private programs have made efforts to protect this site from conversion.

State and local policies and programs to protect farmland include:

State Policies and Programs to Protect Farmland

1. Tax Relief:

A. Differential Assessment: Agricultural lands are taxed on their agricultural use value, rather than at market value. As a result, farmers pay fewer taxes on their land, which helps keep them in business, and therefore helps to insure that the farmland will not be converted to nonagricultural uses.

1. Preferential Assessment for Property Tax: Landowners with parcels of land used for agriculture are given the privilege of differential assessment.
2. Deferred Taxation for Property Tax: Landowners are deterred from converting their land to nonfarm uses, because if they do so, they must pay back taxes at market value.
3. Restrictive Agreement for Property Tax: Landowners who want to receive Differential Assessment must agree to keep their land in - eligible use.

B. Income Tax Credits

Circuit Breaker Tax Credits: Authorize an eligible owner of farmland to apply some or all of the property taxes on his or her farmland and farm structures as a tax credit against the owner's state income tax.

C. Estate and Inheritance Tax Benefits

Farm Use Valuation for Death Tax: Exemption of state tax liability to eligible farm estates.

2. "Right to farm" laws:

Prohibits local governments from enacting laws which will place restrictions upon normally accepted farming practices, for example, the generation of noise, odor or dust.

3. Agricultural Districting:

Wherein farmers voluntarily organize districts of agricultural land to be legally recognized geographic areas. These farmers receive benefits, such as protection from annexation, in exchange for keeping land within the district for a given number of years.

4. Land Use Controls: Agricultural Zoning.

Types of Agricultural Zoning Ordinances include:

- A. Exclusive: In which the agricultural zone is restricted to only farm-related dwellings, with, for example, a minimum of 40 acres per dwelling unit.
- B. Non-Exclusive: In which non-farm dwellings are allowed, but the density remains low, such as 20 acres per dwelling unit.

Additional Zoning techniques include:

- A. Sliding Scale: This method looks at zoning according to the total size of the parcel owned. For example, the number of dwelling units per a given number of acres may change from county to county according to the existing land acreage to dwelling unit ratio of surrounding parcels of land within the specific area.
- B. Point System or Numerical Approach: Approaches land use permits on a case by case basis.

LESA: The LESA system (Land Evaluation-Site Assessment) is used as a tool to help assess options for land use on an evaluation of productivity weighed against commitment to urban development.
- C. Conditional Use: Based upon the evaluation on a case by case basis by the Board of Zoning Adjustment. Also may include the method of using special land use permits.

5. Development Rights:

- A. Purchase of Development Rights (PDR): Where development rights are purchased by Government action.

Buffer Zoning Districts: Buffer Zoning Districts are an example of land purchased by Government action. This land is included in zoning ordinances in order to preserve and protect agricultural lands from non-farm land uses encroaching upon them.

- B. Transfer of Development Rights (TDR): Development rights are transferable for use in other locations designated as receiving areas. TDR is considered a locally based action (not state), because it requires a voluntary decision on the part of the individual landowners.

6. Governor's Executive Order: Policy made by the Governor, stating the importance of agriculture, and the preservation of agricultural lands. The Governor orders the state agencies to avoid the unnecessary conversion of important farmland to nonagricultural uses.

7. Voluntary State Programs:

- A. California's Program of Restrictive Agreements and Differential Assessments: The California Land Conservation Act of 1965, commonly known as the Williamson Act, allows cities, counties and individual landowners to form agricultural preserves and enter into contracts for 10 or more years to insure that these parcels of land remain strictly for agricultural use. Since 1972 the Act has extended eligibility to recreational and open space lands such as scenic highway corridors, salt ponds and wildlife preserves. These contractually restricted lands may be taxed differentially for their real value. One hundred-acre districts constitute the minimum land size eligible.

Suggestion: An improved version of the Act would state that if the land is converted after the contract expires, the landowner must pay the difference in the taxes between market value for the land and the agricultural tax value which he or she had been

paying under the Act. This measure would help to insure that farmland would not be converted after the 10 year period ends.

- B. Maryland Agricultural Land Preservation Program: Agricultural landowners within agricultural districts have the opportunity to sell their development rights to the Maryland Land Preservation Foundation under the agreement that these landowners will not subdivide or develop their land for an initial period of five years. After five years the landowner may terminate the agreement with one year notice.

As is stated above under the California Williamson Act, the landowner should pay the back taxes on the property if he or she decides to convert the land after the contract expires, in order to discourage such conversions.

- C. Wisconsin Income Tax Incentive Program: The Wisconsin Farmland Preservation Program of December 1977 encourages local jurisdictions in Wisconsin to adopt agricultural preservation plans or exclusive agricultural district zoning ordinances in exchange for credit against state income tax and exemption from special utility assessment. Eligible candidates include local governments and landowners with at least 35 acres of land per dwelling unit in agricultural use and gross farm profits of at least \$6,000 per year, or \$18,000 over three years.

8. Mandatory State Programs:

- A. The Environmental Control Act in the state of Vermont was adopted in 1970 by the Vermont State Legislature. The Act established an environmental board with 9 members (appointed by the Governor) to implement a planning process and a permit system to screen most subdivisions and development proposals according to specific criteria stated in the law. The planning process consists of an interim and a final Land Capability and Development Plan, the latter of which acts as a policy plan to control development. The policies are written in order to:
- prevent air and water pollution;
 - protect scenic or natural beauty, historic sites and rare and irreplaceable natural areas; and
 - consider the impacts of growth and reduction of development on areas of primary agricultural soils.
- B. The California State Coastal Commission: In 1976 the Coastal Act was passed to establish a permanent Coastal Commission with permit and planning authority. The purpose of the Coastal Commission was and is to protect the sensitive coastal zone environment and its resources, while accommodating the social and economic needs of the state. The Commission has the power to regulate development in the coastal zones by issuing permits on a case by case basis until local agencies can develop their own coastal plans, which must be certified by the Coastal Commission.
- C. Hawaii's Program of State Zoning: In 1961, the Hawaii State Legislature established Act 187, the Land Use Law, to protect the farmland and the welfare of the local people of Hawaii by planning to avoid "unnecessary urbanization". The Law made all state lands into four districts: agricultural, conservation, rural and urban. The Governor appointed members to a State Land Use Commission, whose duties were to uphold the Law and form the boundaries of the four districts. In addition to state zoning, the Land Use Law introduced a program of Differential Assessment, wherein agricultural landowners paid taxes on their land for its agricultural use value, rather than its market value.
- D. The Oregon Land Use Act of 1973: This act established the Land Conservation and Development Commission (LCDC) to provide statewide planning goals and guidelines.

Under this Act, Oregon cities and counties are each required to draw up a comprehensive plan, consistent with statewide planning goals. Agricultural land preservation is high on the list of state goals to be followed locally.

If the proposed site is subject to or has used one or more of the above farmland protection programs or policies, score the site 20 points. If none of the above policies or programs apply to this site, score 0 points.

5. How close is the site to an urban built-up area?

| | |
|--|-----------|
| The site is 2 miles or more from an urban built-up area | 15 points |
| The site is more than 1 mile but less than 2 miles from an urban built-up area | 10 points |
| The site is less than 1 mile from, but is not adjacent to an urban built-up area | 5 points |
| The site is adjacent to an urban built-up area | 0 points |

This factor is designed to evaluate the extent to which the proposed site is located next to an existing urban area. The urban built-up area must be 2500 population. The measurement from the built-up area should be made from the point at which the density is 30 structures per 40 acres and with no open or non-urban land existing between the major built-up areas and this point. Suburbs adjacent to cities or urban built-up areas should be considered as part of that urban area.

For greater accuracy, use the following chart to determine how much protection the site should receive according to its distance from an urban area. See chart below:

| Distance From Perimeter of Site to Urban Area | Points |
|--|---------------|
| More than 10,560 feet | 15 |
| 9,860 to 10,559 feet | 14 |
| 9,160 to 9,859 feet | 13 |
| 8,460 to 9,159 feet | 12 |
| 7,760 to 8,459 feet | 11 |
| 7,060 to 7,759 feet | 10 |
| 6,360 to 7,059 feet | 9 |
| 5,660 to 6,359 feet | 8 |
| 4,960 to 5,659 feet | 7 |
| 4,260 to 4,959 feet | 6 |
| 3,560 to 4,259 feet | 5 |
| 2,860 to 3,559 feet | 4 |
| 2,160 to 2,859 feet | 3 |
| 1,460 to 2,159 feet | 2 |
| 760 to 1,459 feet | 1 |
| Less than 760 feet (adjacent) | 0 |

6. How close is the site to water lines, sewer lines and/or other local facilities and services whose capacities and design would promote nonagricultural use?

| | |
|--|-----------|
| None of the services exist nearer than 3 miles from the site | 15 points |
| Some of the services exist more than one but less than 3 miles from the site | 10 points |
| All of the services exist within 1/2 mile of the site | 0 points |

This question determines how much infrastructure (water, sewer, etc.) is in place which could facilitate nonagricultural development. The fewer facilities in place, the more difficult it is to develop an area. Thus, if a proposed site is further away from these services (more than 3 miles distance away), the site should be awarded the highest number of points (15). As the distance of the parcel of land to services decreases, the number of points awarded declines as well. So, when the site is equal to or further than 1 mile but less than 3 miles away from services, it should be given 10 points. Accordingly, if this distance is 1/2 mile to less than 1 mile, award 5 points; and if the distance from land to services is less than 1/2 mile, award 0 points.

Distance to public facilities should be measured from the perimeter of the parcel in question to the nearest site(s) where necessary facilities are located. If there is more than one distance (i.e. from site to water and from site to sewer), use the average distance (add all distances and then divide by the number of different distances to get the average).

Facilities which could promote nonagricultural use include:

- Water lines
- Sewer lines
- Power lines
- Gas lines
- Circulation (roads)
- Fire and police protection
- Schools

7. Is the farm unit(s) containing the site (before the project) as large as the average-size farming unit in the county? (Average farm sizes in each county are available from the NRCS field offices in each state. Data are from the latest available Census of Agriculture, Acreage of Farm Units in Operation with \$1,000 or more in sales.)

| | |
|---|---------------|
| As large or larger: | 10 points |
| Below average: Deduct 1 point for each 5 percent below the average, down to 0 points if 50 percent or more is below average | 9 to 0 points |

This factor is designed to determine how much protection the site should receive, according to its size in relation to the average size of farming units within the county. The larger the parcel of land, the more agricultural use value the land possesses, and vice versa. Thus, if the farm unit is as large or larger than the county average, it receives the maximum number of points (10). The smaller the parcel of land compared to the county average, the fewer number of points given. Please see below:

| Parcel Size in Relation to Average County Size | Points |
|--|--------|
| Same size or larger than average (100 percent) | 10 |
| 95 percent of average | 9 |
| 90 percent of average | 8 |
| 85 percent of average | 7 |
| 80 percent of average | 6 |
| 75 percent of average | 5 |
| 70 percent of average | 4 |
| 65 percent of average | 3 |
| 60 percent of average | 2 |
| 55 percent of average | 1 |
| 50 percent or below county average | 0 |

State and local Natural Resources Conservation Service offices will have the average farm size information, provided by the latest available Census of Agriculture data

8. If this site is chosen for the project, how much of the remaining land on the farm will become non-farmable because of interference with land patterns?

| | |
|--|-----------------|
| Acreage equal to more than 25 percent of acres directly converted by the project | 10 points |
| Acreage equal to between 25 and 5 percent of the acres directly converted by the project | 9 to 1 point(s) |
| Acreage equal to less than 5 percent of the acres directly converted by the project | 0 points |

This factor tackles the question of how the proposed development will affect the rest of the land on the farm. The site which deserves the most protection from conversion will receive the greatest number of points, and vice versa. For example, if the project is small, such as an extension on a house, the rest of the agricultural land would remain farmable, and thus a lower number of points is given to the site. Whereas if a large-scale highway is planned, a greater portion of the land (not including the site) will become non-farmable, since access to the farmland will be blocked; and thus, the site should receive the highest number of points (10) as protection from conversion.

Conversion uses of the Site Which Would Make the Rest of the Land Non-Farmable by Interfering with Land Patterns

Conversions which make the rest of the property nonfarmable include any development which blocks accessibility to the rest of the site. Examples are highways, railroads, dams or development along the front of a site restricting access to the rest of the property.

The point scoring is as follows:

| Amount of Land Not Including the Site Which Will Become Non-Farmable | Points |
|---|---------------|
| 25 percent or greater | 10 |
| 23 - 24 percent | 9 |
| 21 - 22 percent | 8 |
| 19 - 20 percent | 7 |
| 17 - 18 percent | 6 |
| 15 - 16 percent | 5 |
| 13 - 14 percent | 4 |
| 11 - 12 percent | 3 |
| 9 - 11 percent | 2 |
| 6 - 8 percent | 1 |
| 5 percent or less | 0 |

9. Does the site have available adequate supply of farm support services and markets, i.e., farm suppliers, equipment dealers, processing and storage facilities and farmer's markets?

| | |
|--------------------------------------|-----------------|
| All required services are available | 5 points |
| Some required services are available | 4 to 1 point(s) |
| No required services are available | 0 points |

This factor is used to assess whether there are adequate support facilities, activities and industry to keep the farming business in business. The more support facilities available to the agricultural

landowner, the more feasible it is for him or her to stay in production. In addition, agricultural support facilities are compatible with farmland. This fact is important, because some land uses are not compatible; for example, development next to farmland can be dangerous to the welfare of the agricultural land, as a result of pressure from the neighbors who often do not appreciate the noise, smells and dust intrinsic to farmland. Thus, when all required agricultural support services are available, the maximum number of points (5) are awarded. When some services are available, 4 to 1 point(s) are awarded; and consequently, when no services are available, no points are given. See below:

| Percent of Services Available | Points |
|--------------------------------------|---------------|
| 100 percent | 5 |
| 75 to 99 percent | 4 |
| 50 to 74 percent | 3 |
| 25 to 49 percent | 2 |
| 1 to 24 percent | 1 |
| No services | 0 |

10. Does the site have substantial and well-maintained on farm investments such as barns, other storage buildings, fruit trees and vines, field terraces, drainage, irrigation, waterways, or other soil and water conservation measures?

| | |
|--|------------------|
| High amount of on-farm investment | 20 points |
| Moderate amount of non-farm investment | 19 to 1 point(s) |
| No on-farm investments | 0 points |

This factor assesses the quantity of agricultural facilities in place on the proposed site. If a significant agricultural infrastructure exists, the site should continue to be used for farming, and thus the parcel will receive the highest amount of points towards protection from conversion or development. If there is little on farm investment, the site will receive comparatively less protection. See-below:

| Amount of On-farm Investment | Points |
|---|---------------|
| As much or more than necessary to maintain production (100 percent) | 20 |
| 95 to 99 percent | 19 |
| 90 to 94 percent | 18 |
| 85 to 89 percent | 17 |
| 80 to 84 percent | 16 |
| 75 to 79 percent | 15 |
| 70 to 74 percent | 14 |
| 65 to 69 percent | 13 |
| 60 to 64 percent | 12 |
| 55 to 59 percent | 11 |
| 50 to 54 percent | 10 |
| 45 to 49 percent | 9 |
| 40 to 44 percent | 8 |
| 35 to 39 percent | 7 |
| 30 to 34 percent | 6 |
| 25 to 29 percent | 5 |
| 20 to 24 percent | 4 |
| 15 to 19 percent | 3 |
| 10 to 14 percent | 2 |
| 5 to 9 percent | 1 |
| 0 to 4 percent | 0 |

11. Would the project at this site, by converting farmland to nonagricultural use, reduce the support for farm support services so as to jeopardize the continued existence of these support services and thus, the viability of the farms remaining in the area?

| | |
|--|-----------------|
| Substantial reduction in demand for support services if the site is converted | 10 points |
| Some reduction in demand for support services if the site is converted | 9 to 1 point(s) |
| No significant reduction in demand for support services if the site is converted | 0 points |

This factor determines whether there are other agriculturally related activities, businesses or jobs dependent upon the working of the pre-converted site in order for the others to remain in production. The more people and farming activities relying upon this land, the more protection it should receive from conversion. Thus, if a substantial reduction in demand for support services were to occur as a result of conversions, the proposed site would receive a high score of 10; some reduction in demand would receive 9 to 1 point(s), and no significant reduction in demand would receive no points.

Specific points are outlined as follows:

| Amount of Reduction in Support Services if Site is Converted to Nonagricultural Use | Points |
|--|---------------|
| Substantial reduction (100 percent) | 10 |
| 90 to 99 percent | 9 |
| 80 to 89 percent | 8 |
| 70 to 79 percent | 7 |
| 60 to 69 percent | 6 |
| 50 to 59 percent | 5 |
| 40 to 49 percent | 4 |
| 30 to 39 percent | 3 |
| 20 to 29 percent | 2 |
| 10 to 19 percent | 1 |
| No significant reduction (0 to 9 percent) | 0 |

12. Is the kind and intensity of the proposed use of the site sufficiently incompatible with agriculture that it is likely to contribute to the eventual conversion of the surrounding farmland to nonagricultural use?

| | |
|---|-----------------|
| Proposed project is incompatible with existing agricultural use of surrounding farmland | 10 points |
| Proposed project is tolerable of existing agricultural use of surrounding farmland | 9 to 1 point(s) |
| Proposed project is fully compatible with existing agricultural use of surrounding farmland | 0 points |

Factor 12 determines whether conversion of the proposed agricultural site will eventually cause the conversion of neighboring farmland as a result of incompatibility of use of the first with the latter. The more incompatible the proposed conversion is with agriculture, the more protection this site receives from conversion. Therefore, if the proposed conversion is incompatible with agriculture, the site receives 10 points. If the project is tolerable with agriculture, it receives 9 to 1 points; and if the proposed conversion is compatible with agriculture, it receives 0 points.

CORRIDOR - TYPE SITE ASSESSMENT CRITERIA

The following criteria are to be used for projects that have a linear or corridor - type site configuration connecting two distant points, and crossing several different tracts of land. These include utility lines, highways, railroads, stream improvements, and flood control systems. Federal agencies are to assess the suitability of each corridor-type site or design alternative for protection as farmland along with the land evaluation information.

For Water and Waste Programs, corridor analyses are not applicable for distribution or collection networks. Analyses are applicable for transmission or trunk lines where placement of the lines are flexible.

(1) How much land is in nonurban use within a radius of 1.0 mile form where the project is intended?

- | | |
|--------------------------|-----------------------|
| (2) More than 90 percent | (3) 15 points |
| (4) 90 to 20 percent | (5) 14 to 1 point(s). |
| (6) Less than 20 percent | (7) 0 points |

(2) How much of the perimeter of the site borders on land in nonurban use?

- | | |
|--------------------------|-------------------|
| (3) More than 90 percent | (4) 10 point(s) |
| (5) 90 to 20 percent | (6) 9 to 1 points |
| (7) less than 20 percent | (8) 0 points |

(3) How much of the site has been farmed (managed for a scheduled harvest or timber activity) more than five of the last 10 years?

- | | |
|--------------------------|----------------------|
| (4) More than 90 percent | (5) 20 points |
| (6) 90 to 20 percent | (7) 19 to 1 point(s) |
| (8) Less than 20 percent | (9) 0 points |

(4) Is the site subject to state or unit of local government policies or programs to protect farmland or covered by private programs to protect farmland?

- | | |
|-----------------------|-----------|
| Site is protected | 20 points |
| Site is not protected | 0 points |

(5) Is the farm unit(s) containing the site (before the project) as large as the average - size farming unit in the County? (Average farm sizes in each county are available from the NRCS field offices in each state. Data are from the latest available Census of Agriculture, Acreage of Farm Units in Operation with \$1,000 or more in sales.)

- | | |
|---|---------------|
| As large or larger | 10 points |
| Below average deduct 1 point for each 5 percent below the average, down to 0 points if 50 percent or more below average | 9 to 0 points |

(6) If the site is chosen for the project, how much of the remaining land on the farm will become non-farmable because of interference with land patterns?

- | | |
|--|------------------|
| Acreage equal to more than 25 percent of acres directly converted by the project | 25 points |
| Acreage equal to between 25 and 5 percent of the acres directly converted by the project | 1 to 24 point(s) |
| Acreage equal to less than 5 percent of the acres directly converted by the project | 0 points |

(7) Does the site have available adequate supply of farm support services and markets, i.e., farm suppliers, equipment dealers, processing and storage facilities and farmer's markets?

| | |
|--------------------------------------|-----------------|
| All required services are available | 5 points |
| Some required services are available | 4 to 1 point(s) |
| No required services are available | 0 points |

(8) Does the site have substantial and well-maintained on-farm investments such as barns, other storage building, fruit trees and vines, field terraces, drainage, irrigation, waterways, or other soil and water conservation measures?

| | |
|---------------------------------------|------------------|
| High amount of on-farm investment | 20 points |
| Moderate amount of on-farm investment | 19 to 1 point(s) |
| No on-farm investment | 0 points |

(9) Would the project at this site, by converting farmland to nonagricultural use, reduce the demand for farm support services so as to jeopardize the continued existence of these support services and thus, the viability of the farms remaining in the area?

| | |
|--|------------------|
| Substantial reduction in demand for support services if the site is converted | 25 points |
| Some reduction in demand for support services if the site is converted | 1 to 24 point(s) |
| No significant reduction in demand for support services if the site is converted | 0 points |

(10) Is the kind and intensity of the proposed use of the site sufficiently incompatible with agriculture that it is likely to contribute to the eventual conversion of surrounding farmland to nonagricultural use?

| | |
|---|-----------------|
| Proposed project is incompatible to existing agricultural use of surrounding farmland | 10 points |
| Proposed project is tolerable to existing agricultural use of surrounding farmland | 9 to 1 point(s) |
| Proposed project is fully compatible with existing agricultural use of surrounding farmland | 0 points |

Appendix E: DHS Public Notice

Affidavit of Printer's Proof

NORTH CAROLINA
WARREN COUNTY

PUBLIC NOTICE

The North Carolina Department of Crime Control and Public Safety, the North Carolina State Highway Patrol and the Federal Emergency Management Agency (FEMA) - U.S. Department of Homeland Security (DHS) are requesting comment regarding the construction of a proposed 480-ft (495-ft with appurtenances) AGL Guyed Emergency Services Tower to be located at 261 Beef Tongue Road, Warrenton, Warren County, NC, 27589, at latitude: N 36° 26' 13.0"; longitude: W 78° 07' 28.5" (NAD 83), and (Warren County PIN 2958-81-9130).

We are also requesting comment in accordance with Section 106 of the National Historic Preservation Act (NHPA), regarding the potential impacts to historical or archaeological properties listed on, or eligible for listing on the National Register of Historic Places (NRHP), by the proposed emergency services tower.

All comments should be submitted within 30 days of the publication of this notice referencing project: Warrenton HP-1299, 2008-GE-T8-0033, PIMS 11725 and sent to the attention of George Swearingen, Tower Engineering Professionals, Inc.

I, Mary Lou Cheek,
Editor or Office Manager of The Warren Record, a weekly newspaper publication in the town of Warrenton, Warren County, and state of North Carolina, do so solemnly swear that a legal action entitled:

Public Notice
AGL - Guyed
Emergency Services Tower
Beef Tongue Rd

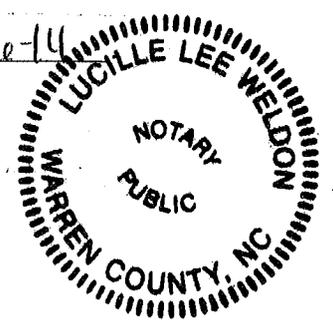
a true copy of which is made a part of this affidavit, did appear in the said The Warren Record in the following consecutive issues:

3/7 2012
Mary Lou Cheek
Editor or Office Manager

Sworn to and subscribed before me this
8 day of March, 2012.

Lucille Lee Weldon
Notary Public

My commission expires: 12-6-14



MAR 10 2012

APPENDIX F: Preparer's Resume



Andrew B. Blake

Environmental Division – Environmental Scientist II

EDUCATION

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

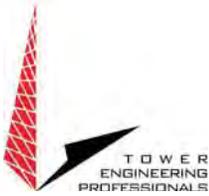
WORK SUMMARY

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

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

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

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



Ryan A. Malek

Environmental Division – Environmental Scientist II

EDUCATION

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

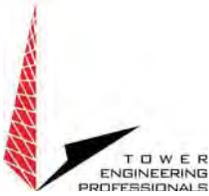
WORK SUMMARY

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

- Environmental Scientist II
- Assisted with the completion of Phase I - Environmental Site Assessments (ESA) for proposed Telecommunication tower projects throughout the southeastern United States (NC, SC, VA).
- Assisted with the completion of National Environmental Policy Act (NEPA) Checklist (FCC Compliance Checklists) documents for proposed and existing Telecommunication tower projects.
- Assisted with the completion of NEPA Environmental Assessments (NEPA – EA) due to issues discovered during the initial NEPA Checklist screening process
- Assisted in Phase II Environmental Site Assessment soil sampling and temporary groundwater monitoring well installation and sampling
- Completed Biological Assessments for Rare, Threatened and Endangered Species
- Assisted with Section 106 Compliance Surveys
- Completed Native American Consultation for proposed Telecommunication tower structures as per FCC-TCNS guidelines.
- Conducted the completion of perennial stream restoration and/or stabilizations for the City of Raleigh, NC
- Assisted with the completion of Civil and Structural Engineering Construction and Zoning Drawings using AutoCAD

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

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



George T. Swearingen, III

Environmental Division Manager

EDUCATION

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

WORK SUMMARY

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

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

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

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