

Statement of Work for FEMA EHP Review

Applicant Name: Carolina Department of Crime Control and Public Safety, Division of State Highway Patrol (CDCCPS-SHP)

Grant Program: Homeland Security Grant Program

Fiscal Year: 2006

Award Number: 2006-AB-T6-0000

Project Type: Communication Tower

Purpose: To improve interoperability communications for emergency responders throughout the State of Carolina, Citrus County, and the surrounding communities. The proposed facility will accommodate federal, state, and local emergency service responders' communications equipment for the purpose of providing suitable radio frequency coverage for the area during an emergency event.

Project Description:

420-foot self-support lattice communications tower facility

The tower will be marked and lighted in accordance with FAA Advisory Circular 70/7460-1 AC 70/7460-1K Change 1, Obstruction Marking and Lighting, a med-dual system – Chapters 4, 8 (M- Dual), & 12 for aviation safety. The dual mode aviation lighting system uses a red beacon.

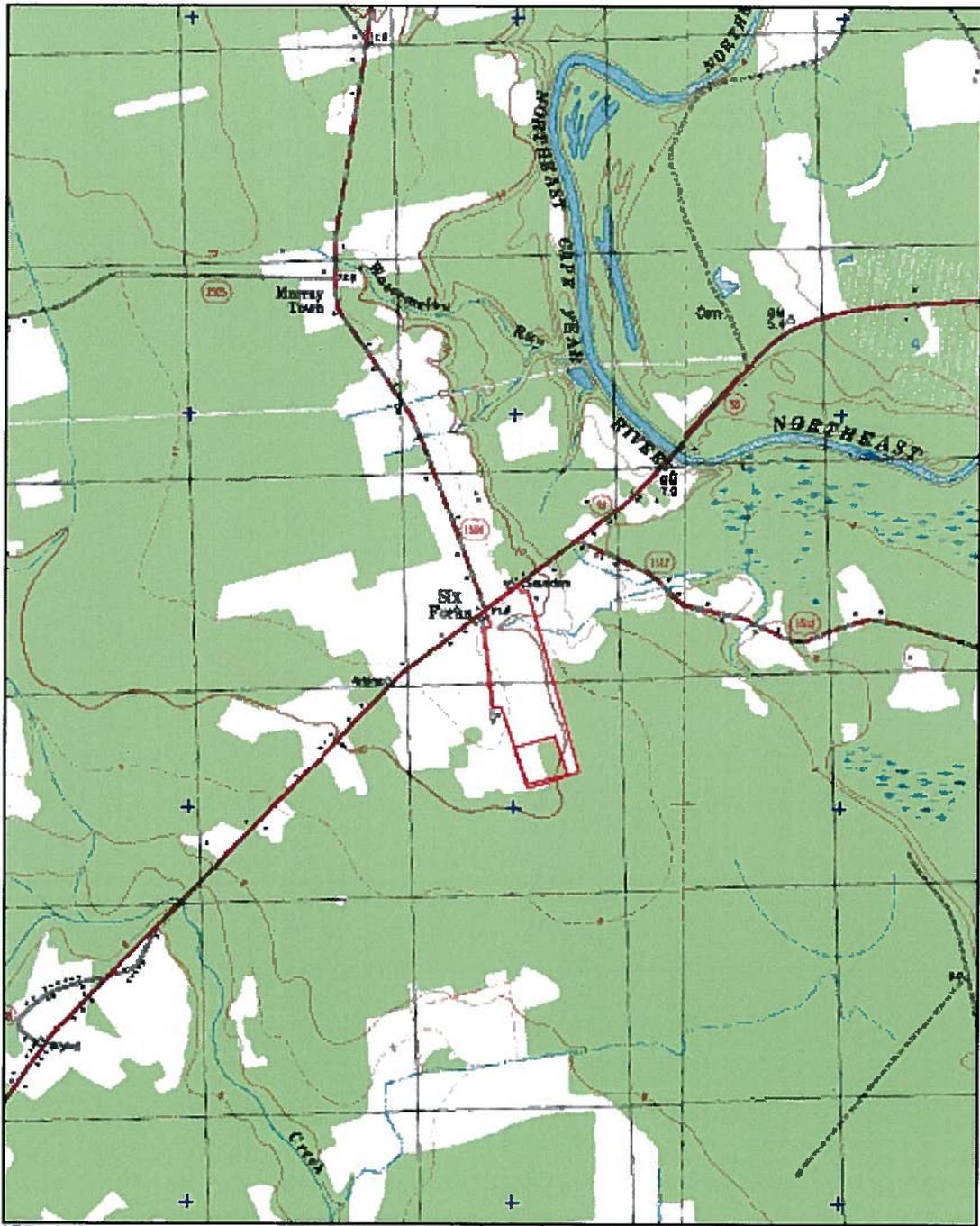
An existing earthen access drive will be upgraded through the addition of gravel, and an additional 400 feet of access road will be constructed to reach the site. A chain link fenced compound measuring 60' x 60' x 8' will be installed around the tower base, and fencing will surround each of the six guy anchors. A generator on a 4' x 8' concrete pad and a 12' x 19' equipment shelter and foundation will be located within the compound. An estimated 0.2 acres of forest will need to be cleared to accommodate the communications facility. Construction drawings/site plan are provided.

Site Description:

CDCCPS-SHP proposes to lease a 6.6 acre tract within in a 58.6 acre property owned by Citrus County Law Enforcement for the purpose of constructing the emergency services communications facility.

The site is located in a portion of Citrus County occupied by low density residential, undeveloped forest, closed municipal landfill, and agricultural land uses. The site of the proposed communications facility is currently occupied by forest and farmland. The northern portion of the parent property was formally utilized as a sanitary landfill. The existing drive currently provides access to the groundwater monitoring wells located in the southeastern portion of the parent property.

An aerial photograph of the site is provided.

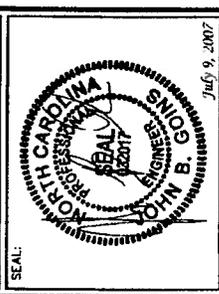


3-D PaperQuest Copyright © 1999 DeLorme Topographic, Inc. 66896 Source Data: USGS Scale: 1 : 24,000 Date: 12-1 Dataset: NAD07

PLANS PREPARED FOR:
 COUNTY OF PENDER
 P.O. BOX 3, BURGAW, NC 28425
 OFFICE: (910) 238-1200

PROJECT INFORMATION
BURGAW
 HIGHWAY 53
 BURGAW, NC 28425
 (PENDER COUNTY)

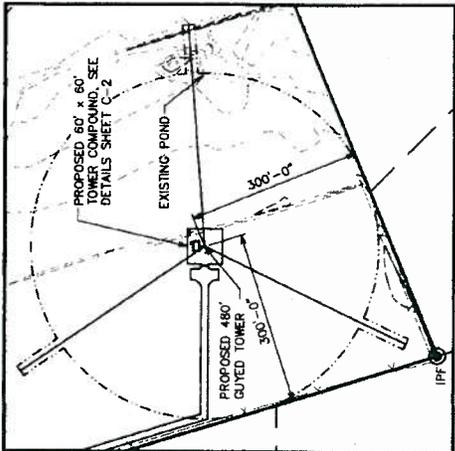
PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 861-6361
 FAX: (919) 861-6360



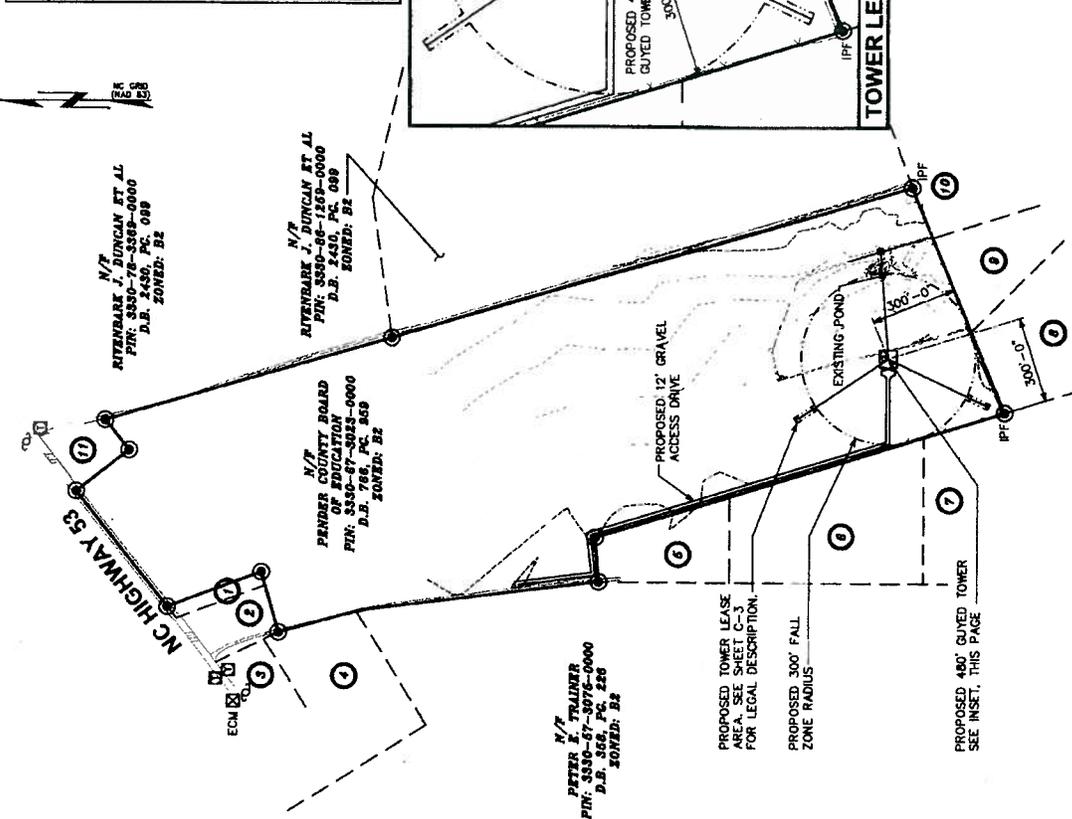
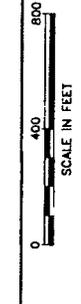
2	07-09-07	ZONING
0	05-30-07	REVISED PER CLIENT
0	05-03-07	PREPARED
REV	DATE	ISSUED FOR:
DRAWN BY: KPB		CHECKED BY: JKG
SHEET TITLE:		
SITE PLAN		

SHEET NUMBER: **C-1**
 REVISION: **2**
 TEP f. DEBACH

PROPERTY INFORMATION			
NO.	TAX MAP #	PROPERTY OWNER	ZONING
1	1330-58-238-0000	DAVID B. RYAN	R2
2	1330-58-411-0000	DAVID B. RYAN	R2
3	1330-58-083-0000	GEORGE R. HILL	R2
4	1330-57-481-0000	JOHN H. WAYNE	R2
5	1330-57-307-0000	JOHNNIE L. WELLS	R2
6	1330-56-990-0000	DAYTON DENNIS DREW III	R2
7	1330-44-518-0000	REGLA E. RAMOS	R2
8	1330-44-218-0000	LEITHA A. ROBINSON	R2
9	1330-74-170-0000	CORBETT PACKAGE COMPANY	R2
10	1330-75-919-0000	CORBETT PACKAGE COMPANY	R2
11	1330-48-194-0000	DONALD J. PATTERSON	R2



TOWER SETBACKS		
REQUIRED	PROPOSED	
SIDE	TOWER FALL ZONE	300.00'
REAR	TOWER FALL ZONE	300.00'



- NOTES:**
- THIS PLAN DOES NOT REPRESENT A TITLE SURVEY
 - THE BASIS OF THE MERIDIANS AND COORDINATES FOR THIS PLAN IS THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM (NAD 83) BASED ON DIFFERENTIAL GPS OBSERVATIONS PERFORMED ON APRIL 13, 2007.
 - VERTICAL INFORMATION SHOWN, BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88) IN US FEET.
 - ALL DISTANCES ARE GROUND UNLESS OTHERWISE NOTED
 - THE PROPOSED LOCATION OF THE TOWER IS LOCATED IN FLOOD ZONE "X". AREAS OUTSIDE 500-YEAR FLOOD PLAIN (FEMA/FIRM PANEL MAP NUMBER 372033000A, DATED FEBRUARY 16, 2007).

LEGEND	
---	EXIST. PROPERTY LINE
⊙	EXIST. UTILITY POLE
⊞	EXIST. TELCO PEDESTAL
⊠	EXIST. POWER METER
⊞	EXISTING CONCRETE MONUMENT
⊙	PROPERTY CORNER
●	IRON PIPE FOUND
---	EXIST. CONTOUR LINE
---	EDGE OF PAVEMENT
---R/W---	RIGHT-OF-WAY
X	CHAIN LINK FENCE
---	EXISTING TREE LINE

SITE PLAN
 SCALE: 1" = 400'

PLANS PREPARED FOR:
 COUNTY OF PENDER
 P.O. BOX 28425
 BURGAW, NC 28425
 OFFICE: (910) 259-1200

PROJECT INFORMATION:
BURGAW
 HIGHWAY 53
 BURGAW, NC 28425
 (PENDER COUNTY)

PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5283
 OFFICE: (919) 661-4351
 FAX: (919) 661-6350

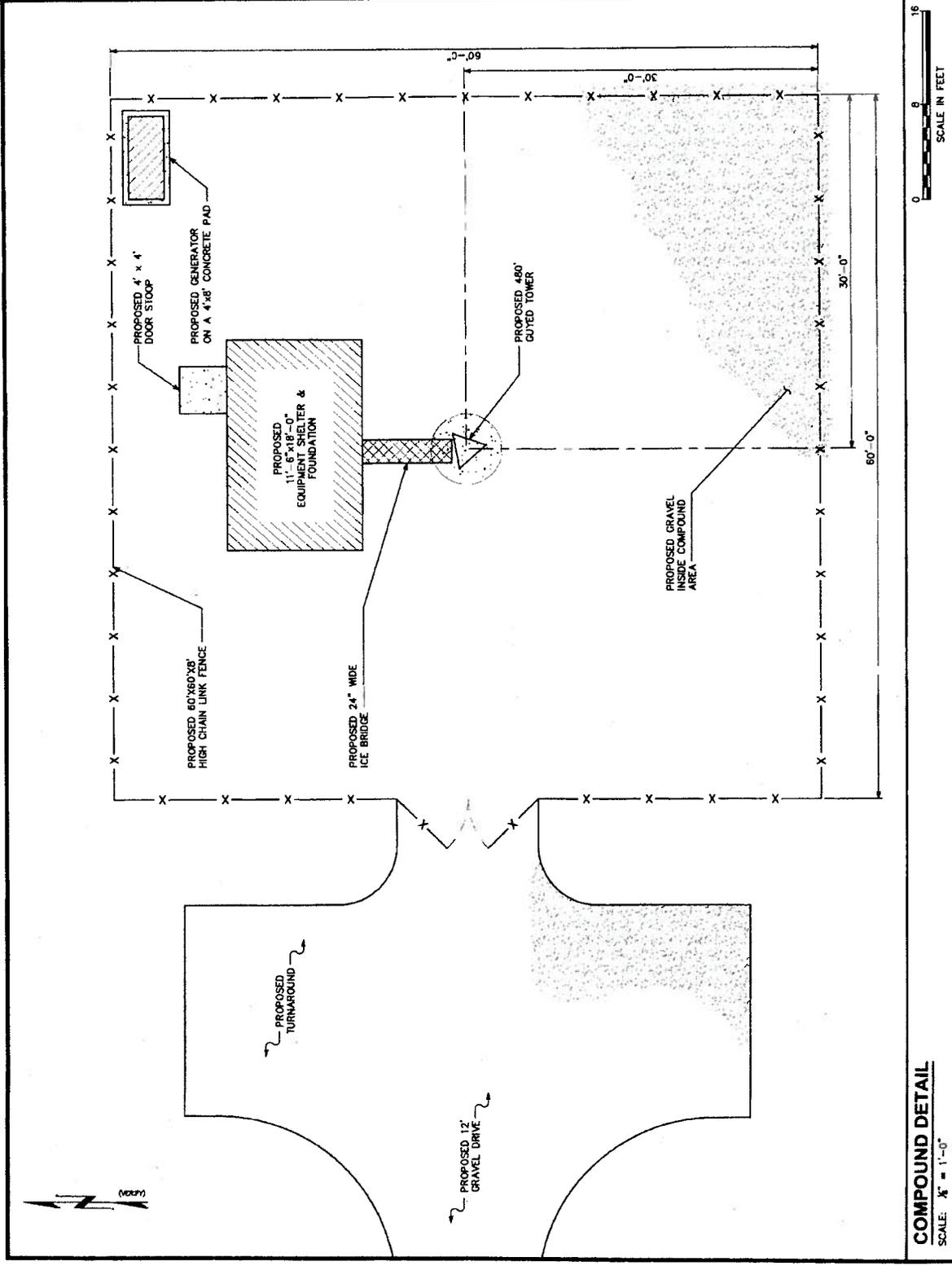
July 9, 2007

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER JOHN B. SNYDER 42347

2	07-09-07	ZONING
1	05-30-07	REVISED PER CLIENT
0	05-03-07	PRELIMINARY
REV	DATE	ISSUED FOR:
DRAWN BY: NPS		CHECKED BY: JBC

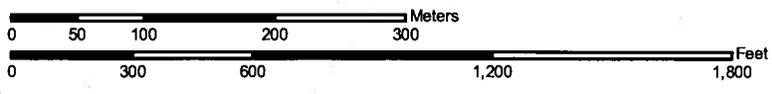
SHEET TITLE:
COMPOUND DETAIL

SHEET NUMBER: **C-2** REVISION: **2**
 TEP # DAUG004



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

Soil Map—Pender County, North Carolina
(Burgaw Tower Site)



MAP LEGEND

- Area of Interest (AOI)
- Area of Interest (AOI)
- Soils**
- Soil Map Units
- Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot

- Very Stony Spot
- Wet Spot
- Other
- Special Line Features**
- Gully
- Short Steep Slope
- Other
- Political Features**
- Municipalities**
- Cities
- Urban Areas
- Water Features**
- Oceans
- Streams and Canals
- Transportation**
- Rails
- Roads**
- Interstate Highways
- US Routes
- State Highways
- Local Roads
- Other Roads

MAP INFORMATION

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 18N

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

Soil Survey Area: Pender County, North Carolina
Survey Area Data: Version 10, Aug 23, 2007

Date(s) aerial images were photographed: 1993; 1998

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

Pender County, North Carolina (NC141)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GoA	Goldsboro fine sandy loam, 0 to 2 percent slopes	7.7	12.4%
NoB	Norfolk loamy fine sand, 2 to 6 percent slopes	0.5	0.9%
Ra	Rains fine sandy loam	54.0	86.8%
Totals for Area of Interest (AOI)		62.2	100.0%




 GRID NORTH
 MAP SCALE 1" = 500' (1" = 0.000427 meters)


NATIONAL FLOOD INSURANCE PROGRAM

PANEL 3300J
FIRM FLOOD INSURANCE RATE MAP
NORTH CAROLINA

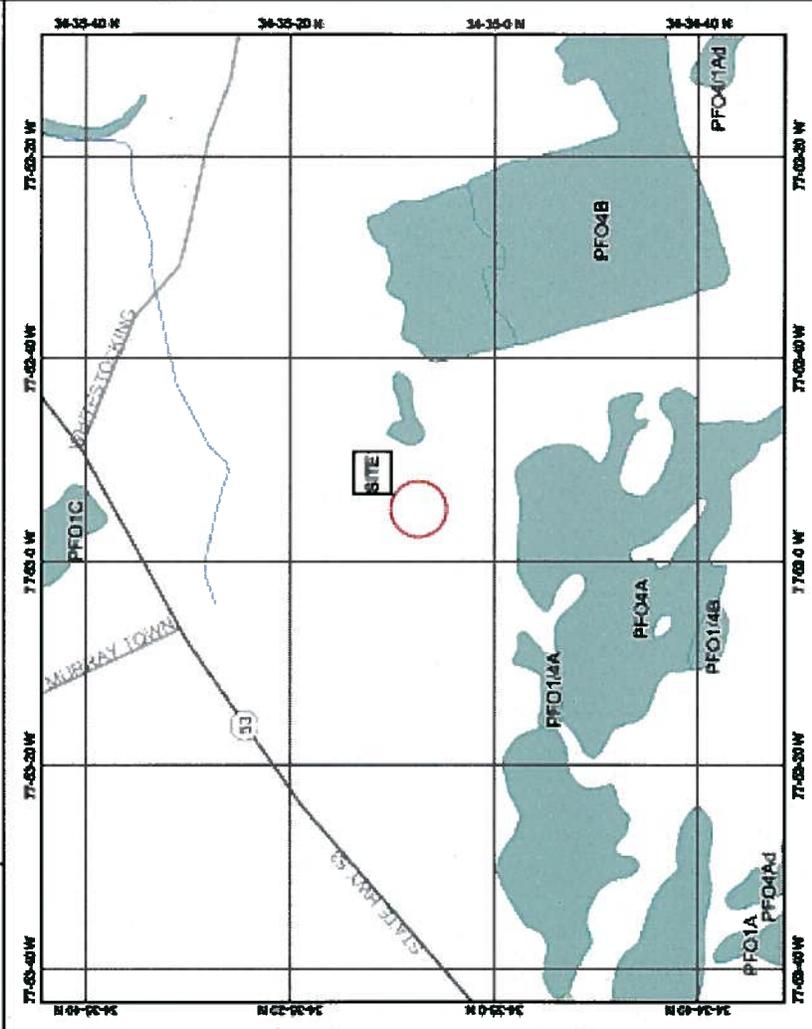
PANEL 3300
 FIRM FLOOD INSURANCE RATE MAP FOR THE
 POLICY NUMBER: 3720331000

COUNTY:	COMMUNITY:	POLICY NUMBER:
LENOIR	LENOIR TOWNSHIP	3720331000

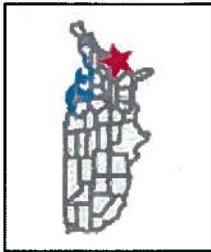
EFFECTIVE DATE: FEBRUARY 06, 2007
 MAP NUMBER: 3720331000


 State of North Carolina
 Federal Emergency Management Agency

Burgaw NW1 Map



Map center: 34° 35' 0" N, 77° 02' 00" W



Legend

- COMUS, wet areas
- 0
 - 1
 - 2
 - 3
 - 4
 - 5
 - 6
 - 7
 - 8
 - 9
 - 10
 - 11
 - 12
 - 13
 - 14
 - 15
 - 16
 - 17
 - 18
 - 19
 - 20
 - 21
 - 22
 - 23
 - 24
 - 25
 - 26
 - 27
 - 28
 - 29
 - 30
 - 31
 - 32
 - 33
 - 34
 - 35
 - 36
 - 37
 - 38
 - 39
 - 40
 - 41
 - 42
 - 43
 - 44
 - 45
 - 46
 - 47
 - 48
 - 49
 - 50
 - 51
 - 52
 - 53
 - 54
 - 55
 - 56
 - 57
 - 58
 - 59
 - 60
 - 61
 - 62
 - 63
 - 64
 - 65
 - 66
 - 67
 - 68
 - 69
 - 70
 - 71
 - 72
 - 73
 - 74
 - 75
 - 76
 - 77
 - 78
 - 79
 - 80
 - 81
 - 82
 - 83
 - 84
 - 85
 - 86
 - 87
 - 88
 - 89
 - 90
 - 91
 - 92
 - 93
 - 94
 - 95
 - 96
 - 97
 - 98
 - 99
 - 100

This map is a user generated output from an internet mapping application for general reference only. Data is as they appear, online read may vary from actual, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Scale: 1:25,000



Tower Construction Notification

FCC > WTB > Tower Construction Notification

FCC Site Map

Logged In: (Log Out)

Tower Construction Notification New Notification

▶ [Notifications Home](#)

Your Notification has been successfully submitted to the FCC. The date for this Notification is 03/12/2007. Your Notification ID number is [REDACTED]. 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: 1-888-CALL-FCC (1-888-225-5322)
TTY: 1-888-TELL-FCC (1-888-835-5322)
Fax: 1-866-418-0232
E-Mail: fccinfo@fcc.gov

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

SAMPLE FOR
FEMA TRAINING

[REDACTED]

From: towernotifyinfo@fcc.gov
Sent: Monday, March 12, 2007 10:28 AM
To: [REDACTED]
Subject: Proposed Tower Structure Info - Email ID # [REDACTED]

Dear [REDACTED]

Thank you for submitting a notification regarding your proposed structure via the Tower Construction Notification Application. Note that the FCC has assigned a unique Notification ID number for this proposed structure.

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 tower you have proposed to construct:

Notification Received: 03/12/2007

Notification ID: [REDACTED]
Tower Owner Individual or Entity Name: [REDACTED]
Consultant Name: [REDACTED]
Street Address: [REDACTED]
City: [REDACTED]
State: [REDACTED]
Zip Code: [REDACTED]
Phone: [REDACTED]
Email: [REDACTED]

Structure Type: GTOWER - Guyed Tower
Latitude: 34 deg 35 min 6.4 sec N
Longitude: 77 deg 52 min 56.0 sec W
Location Description: NC Hwy 53 East (Six Forks Community) NC HPO- CT#07-0517
City: Burgaw
State: NORTH CAROLINA
County: PENDER
Ground Elevation: 11.9 meters
Support Structure: 146.3 meters above ground level
Overall Structure: 150.9 meters above ground level
Overall Height AMSL: 162.8 meters above mean sea level

[REDACTED]

From: towernotifyinfo@fcc.gov
Sent: Friday, March 16, 2007 2:01 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID [REDACTED]

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. [REDACTED] - Tuscarora Nation - Via: Lewistown, NY - regular mail
Exclusions: 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. [REDACTED] - Seminole Tribe of Florida - Clewiston, FL -
electronic mail

3. [REDACTED] - Cherokee Nation - Tahlequah, OK - electronic mail
Exclusions: 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. -- [REDACTED]

4. [REDACTED] - United Keetoowah Band of Cherokee Indians - Tahlequah, OK - electronic mail and regular mail
Exclusions: If the applicant/tower builder receives no response from the United Keetoowah Band within 30 days after notification through TCNS, the United Keetoowah Band has no interest in participating in pre-construction review for the proposed site. In addition, we do not have an interest in participating in pre-construction reviews for collateral projects or other projects where there is no ground disturbance. The Applicant/tower builder, however, must immediately notify the Tribe/NHO in the event archaeological properties, human remains, associated or unassociated funerary items or other artifacts are discovered during construction, consistent with applicable law.

[REDACTED]
If the applicant/tower builder receives no response from the United Keetoowah Band of Cherokee Indians within 30 days after notification through TCNS, the United Keetoowah Band of Cherokee Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the United Keetoowah Band of Cherokee Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

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

6. [REDACTED] - Catawba Cultural Preservation Project - Rock Hill, SC - regular mail
Exclusions: 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 USGA 7.5• 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. Please include the height of towers.
- _____ 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 mile of the project area.
- _____ 7. A list of all eligible and potentially eligible National Register of Historic Places sites within one mile of the proposed project area.

[REDACTED]

From: towernotifyinfo@fcc.gov
Sent: Friday, March 30, 2007 4:59 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: Reply to Proposed Tower Structure (Notification ID [REDACTED]) - Email ID [REDACTED]

Dear [REDACTED]

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

The following message has been sent to you from [REDACTED] of the Eastern Shawnee Tribe of Oklahoma in reference to Notification ID [REDACTED].

March 30, 2007

To Whom It May Concern:

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

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

Sincerely,
[REDACTED] Eastern Shawnee Tribe of Oklahoma

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

Notification Received: 03/12/2007
Notification ID: [REDACTED]
Tower Owner Individual or Entity Name: [REDACTED]
Consultant Name: [REDACTED]
Street Address: [REDACTED]
City: [REDACTED]
State: [REDACTED]
Zip Code: [REDACTED]
Phone: [REDACTED]
Email: [REDACTED]

Structure Type: GTOWER - Guyed Tower
Latitude: 34 deg 35 min 6.4 sec N
Longitude: 77 deg 52 min 56.0 sec W
Location Description: NC Hwy 53 East (Six Forks Community) NC HPO- CT#07-0517
City: Burgaw
State: NORTH CAROLINA
County: PENDER
Ground Elevation: 11.9 meters
Support Structure: 146.3 meters above ground level
Overall Structure: 150.9 meters above ground level
Overall Height AMSL: 162.8 meters above mean sea level

[REDACTED]

From: towernotifyinfo@fcc.gov
Sent: Monday, April 23, 2007 8:49 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: Reply to Proposed Tower Structure (Notification [REDACTED]) - Email ID: [REDACTED]

Dear [REDACTED]

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

The following message has been sent to you from [REDACTED] of the Seminole Tribe of Florida in reference to Notification ID # [REDACTED]

We have no interest in this site. However, if the Applicant discovers archaeological remains or resources during construction, the Applicant should immediately stop construction and notify the FCC and the Tribe, pursuant to 47 C.F.R Sec. 1.1312 of the Commission's rules.

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

Notification Received: 03/12/2007
Notification ID: [REDACTED]
Tower Owner Individual or Entity Name: [REDACTED]
Consultant Name: [REDACTED]
Street Address: [REDACTED]
City: [REDACTED]
State: [REDACTED]
Zip Code: [REDACTED]
Phone: [REDACTED]
Email: [REDACTED]

Structure Type: GTOWER - Guyed Tower
Latitude: 34 deg 35 min 6.4 sec N
Longitude: 77 deg 52 min 56.0 sec W
Location Description: NC Hwy 53 East (Six Forks Community) NC HPO- CT#07-0517
City: Burgaw
State: NORTH CAROLINA
County: PENDER
Ground Elevation: 11.9 meters
Support Structure: 146.3 meters above ground level
Overall Structure: 150.9 meters above ground level
Overall Height AMSL: 162.8 meters above mean sea level