



ENVIRONMENTAL ENGINEERS, INC.

11578 US Highway 411, Odenville, Alabama 35120

Environmental, Remediation, and Geological Consultants

DRAFT ENVIRONMENTAL ASSESSMENT
State of Mississippi MSWIN 20608 Communications Facility
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Prepared for:
Towers of Mississippi
Spanish Fort, Alabama

&

State of Mississippi
Jackson, Mississippi

&

Federal Emergency Management Agency
Washington, D.C.

May 24, 2010

Prepared by:
ENVIRONMENTAL ENGINEERS, INC.

Anne B. Gilbert, P.E.
Principal Engineer

Henry A. Fisher, P.E.
Principal Engineer

Phone: (205) 629-3868 • Fax: (877) 847-3060

TABLE OF CONTENTS

1.0 INTRODUCTION 1

 1.1 PURPOSE..... 2

 1.2 NEED..... 3

 1.3 ALTERNATIVES CONSIDERED 3

 1.3.1 Proposed Action..... 3

 1.3.2 No-Action Alternative 3

 1.3.3 Collocation..... 3

 1.3.4 Alternate Technologies 4

 1.4 AFFECTED ENVIRONMENT 4

 1.5 FCC ENVIRONMENTAL COMPLIANCE CHECKLIST 5

 1.6 INFORMATION SOURCES 5

2.0 WILDERNESS AREAS/PRESERVES..... 6

3.0 BIOLOGICAL RESOURCES 7

 3.1 THREATENED AND ENDANGERED SPECIES 7

 3.2 MIGRATORY BIRDS 7

4.0 CULTURAL RESOURCES 9

 4.1 NATIONWIDE PROGRAMMATIC AGREEMENT 9

 4.2 FCC TOWER CONSTRUCTION NOTIFICATION SYSTEM..... 9

 4.3 FCC FORM 620 10

 4.4 STATE HISTORIC PRESERVATION OFFICER 10

 4.5 INDIAN TRIBAL CONSULTATION..... 10

 4.5.1 Choctaw Nation of Oklahoma 10

 4.5.2 Kialegee Tribal Town 11

 4.5.3 Mississippi Band of Choctaw Indians 11

 4.5.4 Seminole Tribe of Florida..... 11

 4.5.5 Tunica-Biloxi Indians of Louisiana 11

 4.6 INADVERTENT DISCOVERY 12

 4.7 LOCAL GOVERNMENT/PUBLIC NOTICE..... 12

5.0 FLOODPLAIN INFORMATION 12

6.0 WETLANDS AND SENSITIVE VEGETATION DELINEATION 13

7.0 PRIME FARMLAND..... 13



8.0 LIGHTING	14
9.0 RADIO FREQUENCY RADIATION	14
10.0 ADDITIONAL ENVIRONMENTAL EVALUATION.....	14
10.1 NATIONAL SCENIC AND HISTORIC TRAILS	14
10.2 NATIONAL WILD AND SCENIC RIVERS	14
11.0 CUMULATIVE IMPACTS.....	15
12.0 PUBLIC PARTICIPATION.....	15
12.1 LOCAL GOVERNMENT	15
12.2 PUBLIC NOTICE	15

FIGURES

Figure 1	Site Location Map
Figure 2	2008 Aerial Photograph
Figures 3 - 8	Site Photographs
Figure 9	Flood Hazard Boundary Map
Figure 10	National Wetland Inventory Map

APPENDICES

Appendix A	Site Development Plans
Appendix B	Wilderness Area Map
Appendix C	Wildlife Refuge Maps/NationalAtlas.gov Map
Appendix D	Correspondence to and from the U.S. Fish and Wildlife Service
Appendix E	USFWS Interim Guidelines
Appendix F	TCNS Notice of Organizations Which Were Sent Proposed TCN Information
Appendix G	FCC Form 620
Appendix H	Correspondence to and from the Mississippi Department of Archives and History
Appendix I	Correspondence to and from Indian Tribes/Organizations
Appendix J	Local Government Correspondence/Public Notice
Appendix K	Department of the Army Correspondence
Appendix L	Correspondence to and from the USDA NRCS
Appendix M	Mississippi Scenic Byways Map
Appendix N	Wild and Scenic Rivers Information



1.0 INTRODUCTION

The State of Mississippi created the Mississippi Wireless Communication Commission (MWCC) by statute in 2005 to oversee the construction and operation of the Mississippi Wireless Integrated Network (MSWIN) project. MSWIN is wireless voice and data capable infrastructure, providing all users with a public-safety grade, statewide, interoperable, seamless roaming radio system. This 700 MHz Public Safety System is intended to provide highly reliable, fast access, private (within groups and individuals) communications to a wide variety of government and first-responder users within the State of Mississippi. MSWIN is funded largely by federal funds administered through the Department of Homeland Security and the Federal Emergency Management Agency.

The MSWIN network consists of over 140 tower sites to transmit and receive 700 MHz radio communications along with 6.7 GHz microwave connections to nearby towers to backhaul the communication to the closest switch. As part of the network, this tower will support a myriad of equipment that will provide emergency response communications for the population within approximately fifteen miles surrounding this proposed site.

System users vary from public safety, governmental executive and administrative personnel to road maintenance crews. In addition to routine communications, users will also depend on the network during life threatening conditions and emergency situations. Flooding, hurricanes, earthquakes, tornadoes, and other natural or man-made catastrophes often require effective wide-area, interoperable communications. Thus, communications within the State of Mississippi are most critical when they are most susceptible to failure. Consequently, a high degree of redundancy and fail-safe design is essential to this success of this project.

The proposed tower facility will be accessed via locked gate off of Mudline Road. The tower will have two parking spaces at the entrance of the fenced tower compound. The compound surrounding the tower and equipment will consist of a seven-foot tall security fence with an additional foot of barbed wire surrounding the site. The tower will be built to withstand extreme weather conditions and engineered and constructed to the latest tower standards of ANSI/TIA-222-G (class III supporting public safety and mission critical communications). All radio equipment on the tower will be operated in compliance with all requirements of frequency and power output as regulated by the Federal Communications Commission. Additionally, the gates and fence will have attached no trespassing and other notice and warning signs as may be required by applicable local and federal laws.

Routine operations of the tower facility will have limited vehicular traffic excepting maintenance and routine periodic inspections. Running water or sanitary facilities are not used at the facility. Power facilities are available and will be routed in during construction.



The tower will not interfere with local residence or the use of the surrounding properties. The increase of vehicular traffic into the area is anticipated to be negligible. The tower and communication systems located thereon will not interfere with other communication systems in the area.

The tower is designed to allow other uses on the structure to promote collocation with up to three positions suitable for cellular telephone type wireless service providers. This further reduces the potential need for additional towers in the area. In addition, the tower is designed to accommodate additional government communications equipment as the need to provide mission critical radio infrastructure increases in the future.

1.1 PURPOSE

The purpose of the National Environmental Policy Act (NEPA) Checklist screening and Environmental Assessment (EA) is to provide information regarding the subject property required by the Federal Communication Commission (FCC), as described in Title 47 of the Code of Federal Regulations (CFR) Chapter I, Part 1, Subpart I titled *Procedures Implementing the National Environmental Policy Act (NEPA) of 1969*, Sections 1.1307(a)(1) through (8). In addition, this EA was prepared to address items required by the Federal Emergency Management Agency (FEMA) as part of its environmental and historical review process.

This project is being funded using a FEMA grant (2008-MS-MX-0001) and the State of Mississippi's expenditures at this site will include purchase and installation of 700 MHz RF equipment and microwave telecommunication backbone network, equipment shelter, network integration, acceptance testing, communication hardware optimization and system exercising and piloting of interoperability capabilities of the network.

NEPA requires that Federal agencies consider the environmental consequences of proposed actions before deciding to fund an action. The intent of NEPA is to protect, restore, or enhance the environment through well-informed decision making. The Council on Environmental Quality was established under NEPA to implement and oversee Federal policy in this process and implemented the procedural provisions of NEPA codified at 40 CFR 1500-1508. An Environmental Assessment (EA) related to a FEMA program must be prepared according to the requirements of the Stafford Act and 44 CFR Part 10. This EA has been prepared to evaluate the potential effects to the natural and human environment from construction of a new communications tower.



1.2 NEED

The proposed communications facility is part of the proposed Mississippi Wireless Integrated Network (MSWIN). This network is intended to facilitate seamless communications between federal, state, and local emergency personnel during natural or man-made disasters and/or emergencies.

1.3 ALTERNATIVES CONSIDERED

Four alternatives were considered for the Proposed Action (construction and operation of the proposed MSWIN 20608 C Communications Facility). These alternatives included the Proposed Action, No-Action Alternative, collocation, and alternate technologies. These alternatives are described below.

1.3.1 Proposed Action

The Proposed Action consists of construction of a 600-foot guyed communications tower and associated equipment compound to facilitate installation and operation of wireless communications antennae to provide integrated emergency communications between federal, state, and local agencies. These antennae include microwave dishes that are to be used to send and receive information over long distances without the limitations associated with connection to land lines/cables (primarily interruptions in service due to damage to land lines/cables during emergencies or natural disasters).

1.3.2 No-Action Alternative

Under the No-Action Alternative the proposed project would not be constructed. No adverse environmental impacts are believed to be associated with the No-Action Alternative. However, the no-action alternative would result in a cost to the residents in the service area of this project associated with loss of integrated emergency communications service in the subject area. This cost must be compared to the potential adverse environmental impacts and social cost benefits associated with the Proposed Action.

Wireless communication systems provide a social benefit through increased ease of non-business communication. Roadway accidents, fires, and other emergency situations can be reported faster using wireless communications equipment. Wireless communications also provide critical assistance to emergency personnel during natural disasters (flood, hurricanes, tornadoes, etc.) and national emergencies.

1.3.3 Collocation

It is our understanding that the State of Mississippi and Towers of Mississippi explored collocation opportunities within the required service area for this project. However, no collocation opportunities meeting the technical requirements for the proposed project were identified.



1.3.4 Alternate Technologies

Among the possible alternatives to the MSWIN network are a) satellite communications, b) commercial cellular communications, and c) the existing State operated networks.

Satellite communications is commercially available and is currently used as a backup communications method in the event the primary systems fail. Satellite communications is cost prohibitive for the 30,000 users who would be a part of the MSWIN radio network.

Commercial cellular communication services are available in much of the service area MSWIN will provide, but not all of the State of Mississippi is covered by a single cellular operator. MSWIN will provide 97% radio coverage over the state, is more secure than commercial cellular service, is more survivable in the event of natural disasters, and is dedicated to public safety missions. Cellular is an adequate limited backup to the routine and emergency requirements of public safety, but is not adequate for daily operational usage and extreme emergency situations, as compared to the MSWIN system.

The existing State operated radio systems are aging and limited in their coverage reach. The field and dispatch radios are nearing obsolescence and are difficult to find new replacement parts for. The needs of a growing Mississippi will be met by the new technology the MSWIN network provides.

1.4 AFFECTED ENVIRONMENT

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," provisional edition dated 1982. The site is located in the northeast ¼ of the southwest ¼ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude 32°18'4.406" north and 89°20'50.538" west (Figure 1). The site consists of a proposed communications facility located off of Mudline Road near Lake, Mississippi 39092. At the time of the site reconnaissance the site was partially wooded with hardwood and pine trees up to eight inches in diameter at breast height. Portions of the site have been subject to timber cutting activities and large ruts were noted on part of the site. Approximately half of the proposed site access road follows a dirt drive that appears to have been used for access during logging activities. The remainder of the proposed access road is wooded or clear-cut. Proposed activities by the State of Mississippi consist of installation of communications antennae and associated cable on a 650-foot guyed communications tower to be constructed and owned by Towers of Mississippi. The State of Mississippi will place support equipment on a concrete pad within the tower compound to be provided by Towers of Mississippi. A copy of the portion of the 2008 aerial photograph depicting the site layout has been included as Figure 2 and site photographs have been included as Figures 3 through 8. Copies of the site development plans are included as Appendix A.



1.5 FCC ENVIRONMENTAL COMPLIANCE CHECKLIST

POTENTIAL ENVIRONMENTAL IMPACT	YES	NO
1. Will this facility be located in an officially designated wilderness area?	_____	<u>X</u>
2. Will this facility be located in an officially designated wildlife preserve?	_____	<u>X</u>
3. Will this facility affect listed threatened or endangered species or designated critical habitats?	_____	<u>X</u>
4. Is this facility likely to jeopardize the continued existence of any proposed threatened or endangered species or result in the destruction or adverse modification of proposed critical habitats?	_____	X
5. Will the facility affect districts, sites, buildings, structures, or objects that are listed or eligible for listing in the National Register of Historic Places?	_____	X
6. Will the facility affect Indian religious sites?	_____	<u>X</u>
7. Will the facility be located in a floodplain?	_____	<u>X</u>
8. Will the facility involve significant change in surface features (i.e. wetland fill, deforestation, diversion)?	_____	X
9. Will the facility be located in a residential area and equipped with high intensity white lights?	_____	<u>X</u>
10. Will the facility result in a potential exposure of workers or the general public to levels of radio frequency radiation in excess of the MPE?	_____	X

1.6 INFORMATION SOURCES

Completion of this Draft Environmental Assessment included utilization of the following sources:

1. Review of the portion of the 2008 aerial photograph depicting the site available through Maptech.
2. Review of the site survey prepared by Hardy Engineering, Inc.
3. Review of information regarding National Scenic Trails and All-American Roads available on the Mississippi Department of Transportation Internet website.
4. Review of information regarding wild and scenic rivers in the vicinity of the proposed project available at Rivers.gov.
5. Review of the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission.
6. Correspondence to and from the Department of the Army Corps of Engineers regarding potential impacts to jurisdictional wetlands by the proposed project.
7. A review of information available on the USFWS Internet website, at Nationalatlas.gov, and on Wilderness.net regarding officially designated wilderness areas or wildlife refuges.
8. Correspondence from the USFWS regarding threatened and endangered species on or near the site.

*Draft Environmental Assessment
State of Mississippi MSWIN 20608 Communications Facility
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909*



9. Review of the FCC Form 620 prepared for the site by MRS Consultants, LLC and Environmental Engineers, Inc.
10. Correspondence from the Mississippi Department of Archives and History regarding historical resources and properties listed on or eligible for listing on the National Register of Historic Places on or near the site.
11. Review of the Tower Construction Notification System Notice of Organizations Which Were Sent Proposed Tower Construction Notification Information provided by the FCC.
12. Correspondence and conversations with representatives of the Choctaw Nation of Oklahoma, Kialegee Tribal Town, Mississippi Band of Choctaw Indians, Seminole Tribe of Florida, and the Tunica-Biloxi Indians of Louisiana regarding wireless telecommunications projects.
13. Review of the FEMA Flood Insurance Rate Map regarding flood zone designations for the site.
14. Review of information available on the USFWS National Wetlands Inventory Internet website containing the site regarding potential jurisdictional wetlands on or adjacent to the site.
15. Information regarding the MSWIN system provided by Towers of Mississippi.
16. Correspondence to and from the USDA Natural Resource Conservation Service (NRCS) office in Jackson, Mississippi regarding impacts to prime farmland, unique farmland, and land of statewide or local importance.
17. A reconnaissance of the subject property.

2.0 WILDERNESS AREAS/PRESERVES

The proposed communications facility will not adversely affect wilderness areas. Based on a review of information available through the Wilderness.net Internet website, two wilderness areas are located in Mississippi – Black Creek Wilderness and Leaf Wilderness. Each of these wilderness areas are located in the southeastern portion of the state and would not be affected by the proposed communications tower project. Maps showing the locations and boundaries of the Black Creek Wilderness and the Leaf Wilderness are included as Appendix B.

The proposed communications facility will not adversely affect any wildlife refuges. Based on a review of information available at the USFWS Internet website and at the Nationalatlas.gov Internet website, the site is not located within the boundaries of, or adjacent to, any wildlife refuges. Maps showing the location of wildlife refuges in the state of Mississippi are included as Appendix C.



3.0 BIOLOGICAL RESOURCES

3.1 THREATENED AND ENDANGERED SPECIES

The proposed communications facility will not adversely affect federally-listed threatened or endangered species. Information regarding the proposed wireless telecommunications tower was submitted to the USFWS by Environmental Engineers, Inc. The USFWS responded via letter dated July 20, 2009 stating "...the Service [USFWS] anticipates no impacts to these listed species [Louisiana black bear and Red-cockaded woodpecker] to occur as a result of the proposed project." Copies of the correspondence to and the response from the USFWS are included as Appendix D.

3.2 MIGRATORY BIRDS

The United States Fish and Wildlife Service (USFWS) has developed voluntary recommendations regarding communications tower siting, construction, operation, and decommissioning. These recommendations include collocating of antennae on existing towers or other structures, limiting the height of new towers to less than 199 feet above ground level (AGL), if taller than 199 feet use of the minimum amount of pilot warning and obstruction avoidance lighting required (preferably white strobes), use of non-guyed towers (monopoles, self-supporting towers), consideration of cumulative impacts on migratory birds, locating towers within "antenna farms" where possible, use of the minimum lighting permissible, use daytime visual markers on guy wires, minimization of the footprint of the facility to avoid habitat loss, design of new towers to accommodate additional comparable antennae for at least two additional users, and down-shielding security lighting for on-ground facilities. A copy of the USFWS communications tower siting, construction, operation, and decommissioning recommendations are included in Appendix E.

A basic principal of radio communication coverage is increasing the height extends signal range. Effective coverage is a function of height so to lower each site to less than 199 feet increases the potential tower count over 300 to accomplish the coverage requirements, resulting in roughly 3,000,000 square feet of ground disturbance, or well over twice the current footprint disturbance requirements. Such an increase in ground impact risks a much greater adversity to terrestrial based habitat such as animals and plants, plus the additional carbon footprint produced by the increased development and construction activities.

Towers of Mississippi and the State of Mississippi considered collocation opportunities as an alternative to the proposed action. However, the technical loading requirements for this project are for all used structures to be engineered and constructed to the latest tower standards of ANSI/TIA-222-G (class III supporting public safety and mission critical communications). As this is the latest engineering standard and the Class III (public safety) level is the most rigorous engineering standard in the tower industry, there are no existing towers within the coverage area for this project that can be modified to meet this standard and handle the loading requirements MSWIN will place on the tower.



The Federal Aviation Administration (FAA) has jurisdiction of all tower lighting and conducts aeronautical studies under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning the impact on arrival, departure, and en route procedures for aircraft operating under VFR/IFR conditions at existing and planned public use airports, as well as aeronautical facilities.

For purposes of MSWIN tower development, obstruction lighting may be one of three types:

- (1) Medium intensity flashing white obstruction lights (white strobes in both day and night (D-1 or D-2)); or
- (2) Dual lighting with red / medium intensity flashing white lights (white strobes in daylight and red strobes at night – E-1 or E-2); or
- (3) Marking and lighting with painted towers and red night beacons. This applies to towers over 500 feet in height (E-2 light system).

Based on information provided by Towers of Mississippi for this project, it is our understanding that the proposed tower will be painted red and white, and that red obstruction lights will be installed on this tower.

Construction of a self-supporting tower is not practical to provide the required service. According to Towers of Mississippi, the cost of a self-support tower is roughly 2.5 times the cost of a guyed tower, and if all the remaining towers in the MSWIN project were constructed as self supporting towers the extended cost would well exceed an additional \$50-70 million in additional construction costs. Though not favored by USFWS, the impact area of this 600-foot guyed tower in the air is roughly 5,400 square feet whereas the impact area of a 600-foot self -supporting tower is much larger at 54,000 square feet (a 1,000% increase in the amount of airspace taken).

Bird flight diverters will not be installed on the proposed tower. According to Towers of Mississippi, bird flight diverters are expensive and difficult to maintain over the life of the tower. Adding daytime warning devices to the remainder of the towers in this project would exceed \$5 million in additional capital requirements.

As stated in Section 1.0, the proposed tower will be designed to accommodate equipment for up to three additional wireless communications providers thereby reducing the need for additional towers in the service area of the proposed project.

Security lighting at this facility will consist of motion-activated wall-mounted lights on the equipment shelter at the site.



4.0 CULTURAL RESOURCES

4.1 NATIONWIDE PROGRAMMATIC AGREEMENT

On March 7, 2005 the FCC implemented a Nationwide Programmatic Agreement (NPA) regarding Section 106 reviews (State Historic Preservation Officer and Indian tribal consultation) for wireless telecommunications tower sites. In summary, the NPA set forth rules regarding consultation with the State Historic Preservation Officer (SHPO) in each state where a proposed wireless telecommunications tower is to be constructed; consultation with Indian tribes and Native Hawaiian Organizations (NHOs) that would have been historically located in the area of the proposed wireless telecommunications tower or had indicated an interest in the geographical area containing the proposed wireless telecommunications tower; and involvement of the public and/or local government. As part of the process associated with the NPA the FCC developed the Tower Construction Notification System (TCNS) and FCC Form 620. The TCNS is described in Section 4.2 and FCC Form 620 is described in Section 4.3.

The NPA requires that a response be received from each Indian tribe or NHO that has indicated an interest in the state or geographical area containing the proposed tower. If no response is received from a particular Indian tribe or NHO within a reasonable time (typically 30 days), the NPA requires that the non-responding Indian tribe or NHO be contacted a second time in an effort to obtain a response. If the Indian tribe or NHO continues to be unresponsive to the initial or follow-up inquiries, the FCC must be contacted to consult with the non-responding Indian tribe or NHO.

4.2 FCC TOWER CONSTRUCTION NOTIFICATION SYSTEM

The TCNS is an Internet-based notification system developed by the FCC that allows input of basic information regarding the proposed location, type, and height of a new wireless telecommunications tower. This information is then made available to Indian tribes and NHOs that have expressed an interest in the state or geographical location containing the proposed wireless telecommunications tower via electronic or regular mail. According to the FCC the TCNS can be used as the initial contact to Indian tribes or NHOs.

Information regarding the proposed wireless telecommunications tower was submitted to Indian tribes, NHOs, and SHPOs via the TCNS on May 18, 2009. The FCC assigned Notification I.D. #51822 to the notification submitted for this proposed wireless telecommunications tower. The FCC sent an electronic mail notification to our office on May 22, 2009 listing the Indian tribes, NHOs, and SHPOs that were contacted through the TCNS regarding the proposed tower. As noted in Section 4.1, the NPA requires that we obtain a response from each Indian tribe or NHO that has indicated an interest in the geographical area or state containing the site.



Environmental Engineers, Inc. used the list of Indian tribes that had defined their area of geographic interest on the FCC Internet web site, conversations with Tribal Historic Preservation Officers (THPOs), Internet web sites for many of the Indian tribes and Alaskan villages, and the *Encyclopedia of North American Indians* by Frederick E. Hoxie (published in 1996 by Houghton Mifflin) to determine which Indian tribes included in the TCNS list would be interested in this wireless telecommunications tower site. This review indicated that the following Indian tribes would have a potential interest in this wireless telecommunications tower site: Choctaw Nation of Oklahoma, Kialegee Tribal Town, Mississippi Band of Choctaw Indians, Seminole Tribe of Florida, and the Tunica-Biloxi Indians of Louisiana. A description of the follow-ups to and responses from each of these Indian tribes are included in Sections 4.5.1 through 4.5.5. Copies of the TCNS notifications and list of Indian tribes, NHOs, and SHPOs are included in Appendix F.

4.3 FCC FORM 620

MRS Consultants, LLC and Environmental Engineers, Inc. completed the FCC Form 620 required for submittal to those Indian tribes requesting additional information regarding the proposed wireless telecommunications tower and the SHPO. MRS Consultants, LLC personnel satisfy the United States Secretary of the Interior's Professional Qualification Standards. A copy of the FCC Form 620 prepared for this site is included in Appendix G.

4.4 STATE HISTORIC PRESERVATION OFFICER

The FCC Form 620 was submitted to the Mississippi Department of Archives and History (MDAH) for review. The MDAH responded via letter dated June 19, 2009 stating "...we concur that no cultural resources listed in or eligible for listing in the National Register of Historic Places will be directly or visually affected. Therefore, we have no reservations with the project." Copies of the correspondence to and from the MDAH are included in Appendix H.

4.5 INDIAN TRIBAL CONSULTATION

Environmental Engineers, Inc. followed up with each of the Indian tribes (as necessary) that we had identified through our review of the TCNS listing provided by the FCC for this site. Sections 4.5.1 through 4.5.5 describe our follow-up contacts to each of these Indian tribes and their responses.

4.5.1 Choctaw Nation of Oklahoma

Ms. Caren Johnson of the Choctaw Nation of Oklahoma responded via electronic mail on June 24, 2009 stating that "The Choctaw Nation of Oklahoma has reviewed cell tower(s) FCC # 51822 and based on the information provided to the best of our knowledge it will have no adverse effect on any historic properties in the project's area of potential effect. However, should construction expose buried archaeological or building materials such as chipped stone, tools, pottery, bone, historic crockery, glass or metal items, or should it uncover evidence of buried historic building materials such as rock foundations, brick, or hand poured concrete, this office should be contacted immediately @ 1-800-522-



6170 ext. 2137.” Copies of the correspondence to and from the Choctaw Nation of Oklahoma are included in Appendix I.

4.5.2 Kialegee Tribal Town

The TCNS listing (Appendix F) for this site included information from the Kialegee Tribal Town that states “If the Applicant receives no response from the Kialegee Tribal Town within 30 days after notification through TCNS, the Kialegee Tribal Town has no interest in participating in pre-construction review for the site. The Applicant, however, must immediately notify the Kialegee Tribal Town in the event archaeological properties or human remains are discovered during construction.” The TCNS notification for this site is dated May 22, 2009 and the end of the 30-day period indicated by the Kialegee Tribal Town was June 21, 2009. Environmental Engineers, Inc. has not received a response from the Kialegee Tribal Town as of the date of this report. Therefore, it is our understanding that additional consultation with the Kialegee Tribal Town is not necessary.

4.5.3 Mississippi Band of Choctaw Indians

The TCNS listing (Appendix F) for this site included information from the Mississippi Band of Choctaw Indians that stated “If the applicant/tower builder receives no response from the Mississippi Band of Choctaw Indians within 30 days after you have e-mailed the [FCC Form 620]...then the Mississippi Band of Choctaw Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Mississippi Band of Choctaw Indians in the event archaeological properties or human remains are discovered during construction...” The Mississippi Band of Choctaw Indians was notified via electronic mail dated June 3, 2009 and the end of the 30-day period indicated by the Mississippi Band of Choctaw Indians was July 3, 2009. Environmental Engineers, Inc. has not received a response from the Mississippi Band of Choctaw Indians as of the date of this report. Therefore, it is our understanding that additional consultation with the Mississippi Band of Choctaw Indians is not necessary. A copy of the electronic mail submitted to the Mississippi Band of Choctaw Indians is included in Appendix I.

4.5.4 Seminole Tribe of Florida

Ms. Dawn Hutchins of the Seminole Tribe of Florida (STOF) responded via TCNS on June 4, 2009 in response to TCNS #51822 stating, “The STOF-THPO concurs with your findings of ‘no historic properties’. However, the STOF-THPO would like to be informed should any archaeological and/or historic resources be discovered inadvertently during the construction process.” Copies of the correspondence to and from the Seminole Tribe of Florida are included in Appendix I.

4.5.5 Tunica-Biloxi Indians of Louisiana

Mr. Earl Barbry of the Tunica-Biloxi Indians of Louisiana was contacted via electronic mail on May 3, 2005 regarding submittal of wireless telecommunications projects. Mr. Barbry responded via electronic mail on May 3, 2005 and indicated that he wanted to be notified regarding cell tower



requests via electronic mail and that if he had not responded within 30 days of our contacting him, the project can proceed. We contacted Mr. Barbry regarding this site via electronic mail on June 3, 2009, and the end of the 30-day response period as indicated by Mr. Barbry was July 3, 2009. We have not received a response from Mr. Barbry as of the date of this report. Therefore, we have assumed that the Tunica-Biloxi Indians of Louisiana concur with the proposed project. Copies of the electronic mail to and from the Tunica-Biloxi Indians of Louisiana are included in Appendix I.

4.6 INADVERTENT DISCOVERY

The personnel that will have a potential to be involved in land-disturbing activities must be instructed to stop work immediately and contact the Indian tribes that have indicated an interest in the project area and SHPO in the event of an inadvertent discovery of human remains or cultural materials. The Indian tribe, contact name, and telephone number for each of the interested Indian tribes and SHPO are included in the table below. A copy of this information must be provided to all personnel that would have a potential to be involved in land-disturbing activities at the site.

Organization	Contact	Telephone Number
Mississippi Department of Archives and History - SHPO	Mr. Jim Woodrick	(601) 576-6940
Choctaw Nation of Oklahoma	Mr. Terry Cole	(800) 522-6170 x2137
Kialegee Tribal Town	Mekko Jennie Lillard	(405) 452-5200
Mississippi Band of Choctaw Indians	Mr. Ken Carleton	(601) 650-7316
Seminole Tribe of Florida	Ms. Dawn Hutchins	(863) 902-1113 x103
Tunica-Biloxi Indians of Louisiana	Mr. Earl Barbry, Jr.	(318) 253-0213 x6851

4.7 LOCAL GOVERNMENT/PUBLIC NOTICE

The Scott County Board of Supervisors was contacted regarding the proposed wireless communications tower via letter dated May 19, 2009. No response was received from the Scott County Board of Supervisors as of the date of this report. A public notice was published in the *Spirit of Morton* on May 20, 2009 requesting comment regarding potential impacts to historical or archaeological properties by the proposed wireless communications tower. No comments have been received as of the date of this report in response to the public notice. Copies of the correspondence to the Scott County Board of Supervisors and a copy of the public notice are included in Appendix J.

5.0 FLOODPLAIN INFORMATION

According to the Federal Emergency Management Agency's (FEMA) Flood Hazard Boundary Map (FHBM) "Panel 33 of 35, Scott County, Mississippi Unincorporated Areas" effective date June 17, 1977, the site is not located within a special flood hazard area. Therefore, the site is not located within a floodplain. It should be noted that the towers that comprise the MSWIN system are considered critical facilities and project design requirements include that the communications equipment at each facility be elevated at least five feet above the 500-year flood elevation (where mapped). In areas where the 500-year floodplain is not mapped, the equipment will be elevated a minimum of five feet



above the 100-year base flood elevation. The FIRM depicting the site location does not include areas of 500-year flood; therefore, it is our understanding that the support equipment at this facility will be elevated at least five feet above the 100-year base flood elevation. The portion of the FEMA FHBM depicting the site is included as Figure 9.

6.0 WETLANDS AND SENSITIVE VEGETATION DELINEATION

Information on the USFWS National Wetlands Inventory (NWI) Internet website was reviewed to determine if any wetlands were delineated on or near the site. No wetlands were depicted on or near the site on the NWI Map. A copy of a portion of the NWI map depicting the site has been included as Figure 10.

A site reconnaissance which included observations to determine if the subject site or immediately adjacent property contained any jurisdictional wetlands (as defined by the United States Army Corps of Engineers) was conducted on May 21, 2009 by Environmental Engineers, Inc. No potential jurisdictional wetland indicators were noted on the site at the time of our site reconnaissance.

Information regarding the proposed project was submitted to the Department of the Army Corps of Engineers for review. The Department of the Army provided a stamped response dated December 19, 2009 on our letter stating “A Department of the Army permit will not be required for your project as proposed.” Copies of the correspondence to and from the Department of the Army are included as Appendix K.

7.0 PRIME FARMLAND

From the United States Department of Agriculture Natural Resource Conservation Service (NRCS) Internet website:

The National Agricultural Land Study of 1980-81 found that millions of acres of farmland were being converted in the United States each year. The 1981 Congressional report, Compact Cities: Energy-Saving Strategies for the Eighties, identified the need for Congress to implement programs and policies to protect farmland and combat urban sprawl and the waste of energy and resources that accompanies sprawling development.

The Compact Cities report indicated that much of the sprawl was the result of programs funded by the Federal Government. With this in mind, Congress passed the Agriculture and Food Act of 1981 (Public Law 97-98) containing the Farmland Protection Policy Act (FPPA)—Subtitle I of Title XV, Section 1539-1549. The final rules and regulations were published in the Federal Register on June 17, 1994.

The FPPA is intended to minimize the impact Federal programs have on the unnecessary and irreversible conversion of farmland to nonagricultural uses. It assures that—to the extent possible—Federal programs are administered to be compatible with state, local units of government, and private programs and policies to protect farmland. Federal



agencies are required to develop and review their policies and procedures to implement the FPPA every two years.

For the purpose of FPPA, farmland includes prime farmland, unique farmland, and land of statewide or local importance. Farmland subject to FPPA requirements does not have to be currently used for cropland. It can be forest land, pastureland, cropland, or other land, but not water or urban built-up land.

A soil survey is not currently printed for Scott County, Mississippi and site-specific soil information was not available through the United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) website.

EEI submitted information regarding the proposed project to the USDA NRCS office in Jackson, Mississippi via letter dated November 3, 2009. The NRCS responded via letter dated November 17, 2009 stating “The proposed project will not have any permanent adverse effect on prime farmland. Therefore no FPPA determination is required.” We have included copies of the correspondence to and from the NRCS as Appendix L.

8.0 LIGHTING

The proposed tower will not be equipped with high intensity white lighting.

9.0 RADIO FREQUENCY RADIATION

It is our understanding that the proposed antenna should comply with FCC requirements for RF related emissions established in 47 CFR Section 1.1307 provided that the antennas are mounted such that the height above ground level for the lowest point of the antennas is at least 10 meters.

10.0 ADDITIONAL ENVIRONMENTAL EVALUATION

10.1 NATIONAL SCENIC AND HISTORIC TRAILS

According to the Mississippi Department of Transportation Mississippi Scenic Byways map, there are no National Scenic Trails or All-American Roads in Scott County, Mississippi. Copies of the map showing National Scenic Trails and All-American Roads in the vicinity of the site are included in Appendix M.

10.2 NATIONAL WILD AND SCENIC RIVERS

A review of information available through the Rivers.gov Internet website indicates that one Wild and Scenic River is located in Mississippi. This Wild and Scenic River is a section of Black Creek located in the DeSoto National Forest in southeastern Mississippi. The proposed communications facility will



not have an adverse affect on any designated Wild and Scenic River. Information regarding the Black Creek Wild and Scenic River is included as Appendix N.

11.0 CUMULATIVE IMPACTS

Cumulative impacts are an incremental impact on either the natural environment or human environment by an action when added to past and anticipated future actions. No ongoing or proposed actions are known for the project area. As described in Section 1.0 of this document, the proposed tower is designed to allow collocation of up to three additional cellular-type service providers, thereby potentially reducing cumulative impacts.

12.0 PUBLIC PARTICIPATION

12.1 LOCAL GOVERNMENT

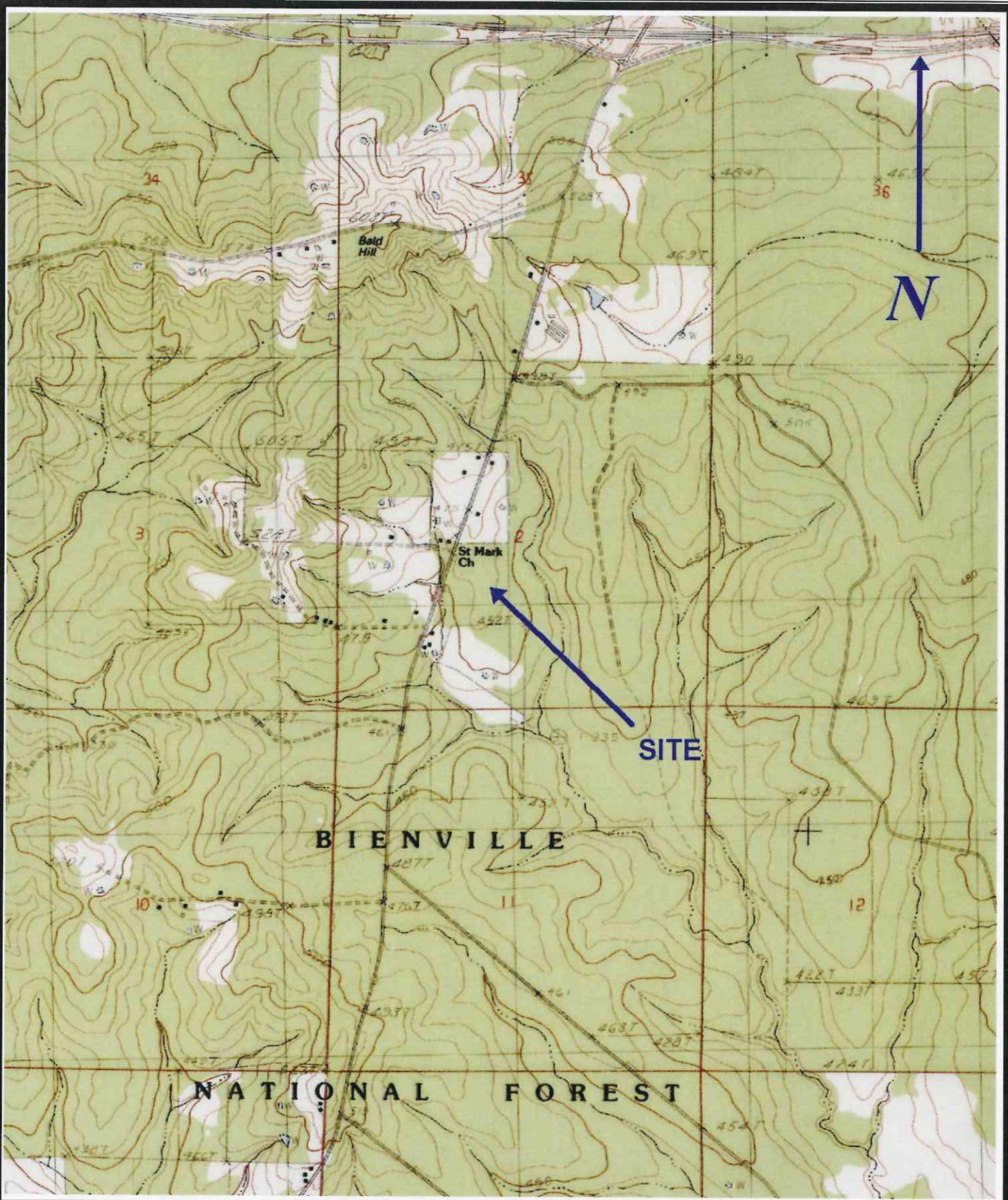
The Scott County Board of Supervisors was contacted regarding the proposed wireless communications tower via letter dated May 19, 2009. No response was received from the Scott County Board of Supervisors as of the date of this report.

12.2 PUBLIC NOTICE

A public notice was published in the *Spirit of Morton* on May 20, 2009 requesting comment regarding potential impacts to historical or archaeological properties by the proposed wireless communications tower. No comments have been received as of the date of this report in response to the public notice. In addition, notice of availability of this draft Environmental Assessment will be published in *The Clarion Ledger*.



Figures

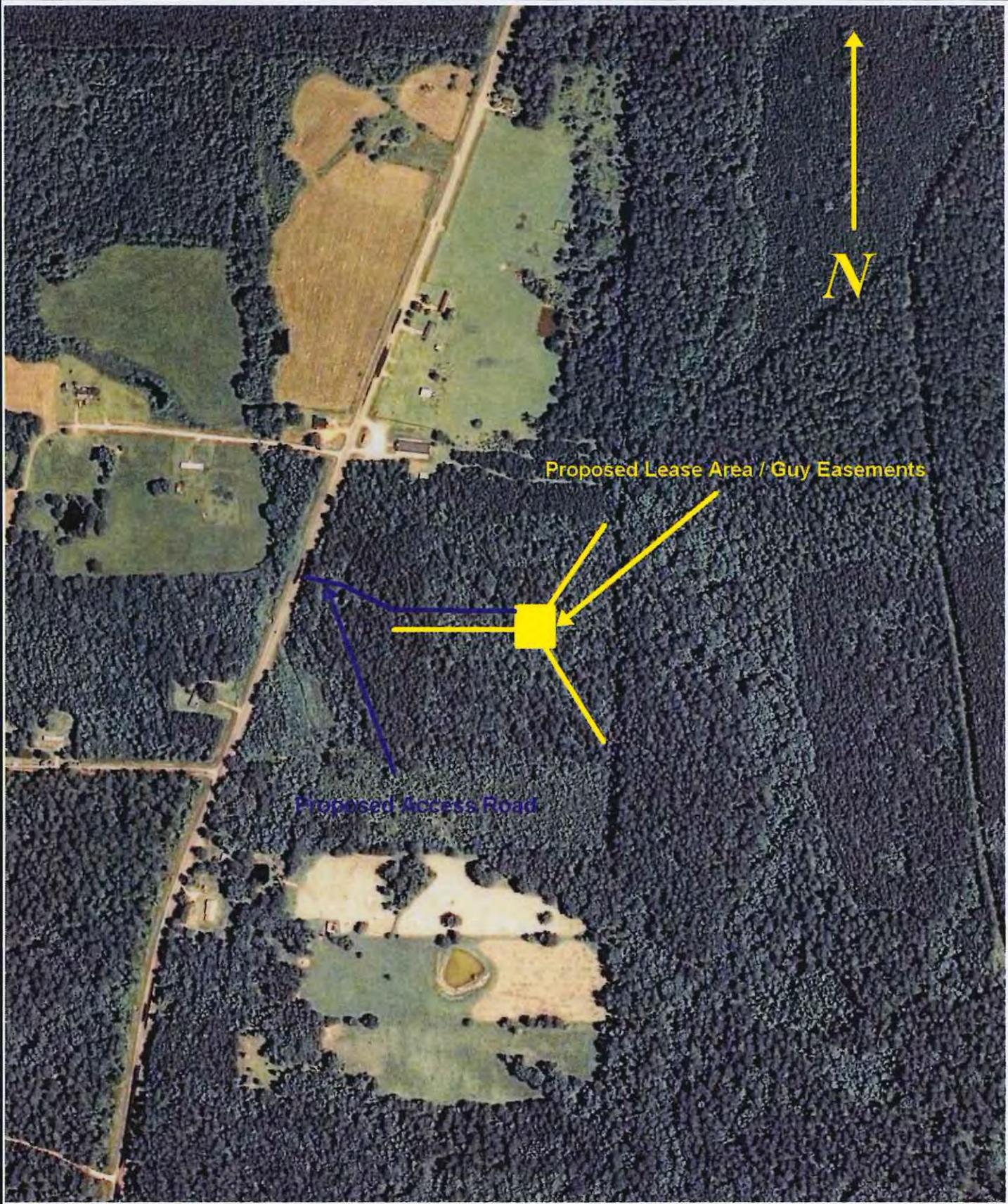


Environmental Engineers, Inc.

Subject:
Draft Environmental Assessment
Proposed MSWIN 20608 C Communications Tower
Lake, Scott County, Mississippi
Project No.: JSE01P0909

Figure 1
Site Location Map
Scale: 1" = 2,000'





Environmental Engineers, Inc.

Subject:
Draft Environmental Assessment
Proposed MSWIN 20608 C Communications Tower
Lake, Scott County, Mississippi
Project No.: JSE01P0909

Figure 2
2008 Aerial Photograph

Scale: 1" = 500'





View across the site toward the north.



View across the site toward the east.

Environmental Engineers, Inc.

Subject:
Draft Environmental Assessment
Proposed MSWIN 20608 C Communications Tower
Lake, Scott County, Mississippi
Project No.: JSE01P0909

Figure 3
Site Photographs





View across the site toward the south.



View across the site toward the west.

Environmental Engineers, Inc.

Subject:
Draft Environmental Assessment
Proposed MSWIN 20608 C Communications Tower
Lake, Scott County, Mississippi
Project No.: JSE01P0909

Figure 4
Site Photographs





View of the western portion of the proposed access road.



View of the eastern portion of the proposed access road.

Environmental Engineers, Inc.

Subject:
Draft Environmental Assessment
Proposed MSWIN 20608 C Communications Tower
Lake, Scott County, Mississippi
Project No.: JSE01P0909

Figure 5
Site Photographs





View along the northeastern guy anchor easement toward the site.



View along the southeastern guy anchor easement toward the site.

Environmental Engineers, Inc.

Subject:
Draft Environmental Assessment
Proposed MSWIN 20608 C Communications Tower
Lake, Scott County, Mississippi
Project No.: JSE01P0909

Figure 6
Site Photographs





View along the western guy anchor easement toward the site.



Typical view of rutted portions of the site.

Environmental Engineers, Inc.

Subject:
Draft Environmental Assessment
Proposed MSWIN 20608 C Communications Tower
Lake, Scott County, Mississippi
Project No.: JSE01P0909

Figure 7
Site Photographs





Typical view of debris left at the site from timber harvesting activities.



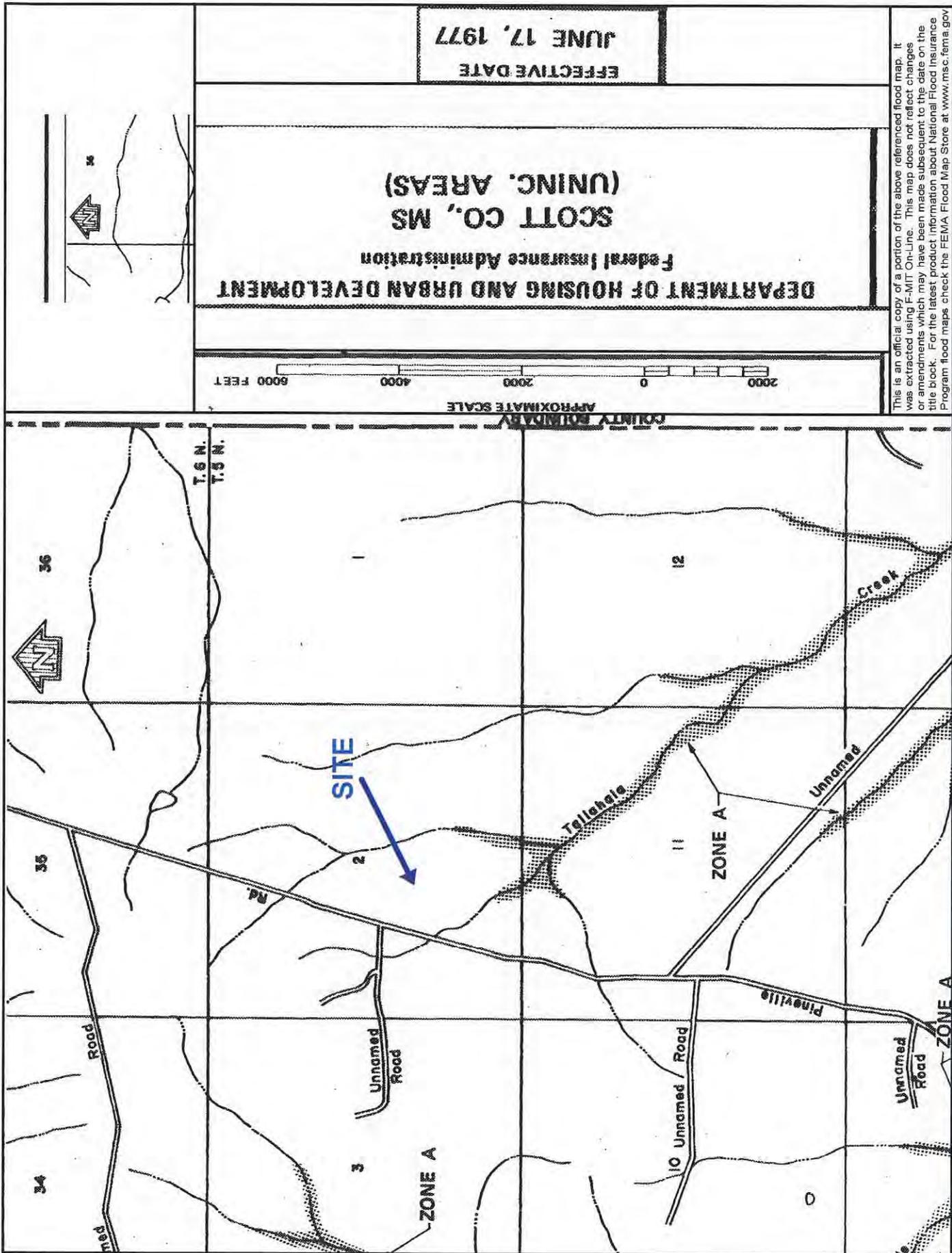
View along Mudline Road north of the site.

Environmental Engineers, Inc.

Subject:
Draft Environmental Assessment
Proposed MSWIN 20608 C Communications Tower
Lake, Scott County, Mississippi
Project No.: JSE01P0909

Figure 8
Site Photographs





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

JSE01P0909 Flood Hazard Boundary Map - Proposed MSWIN 20608 Tower **Figure 9**

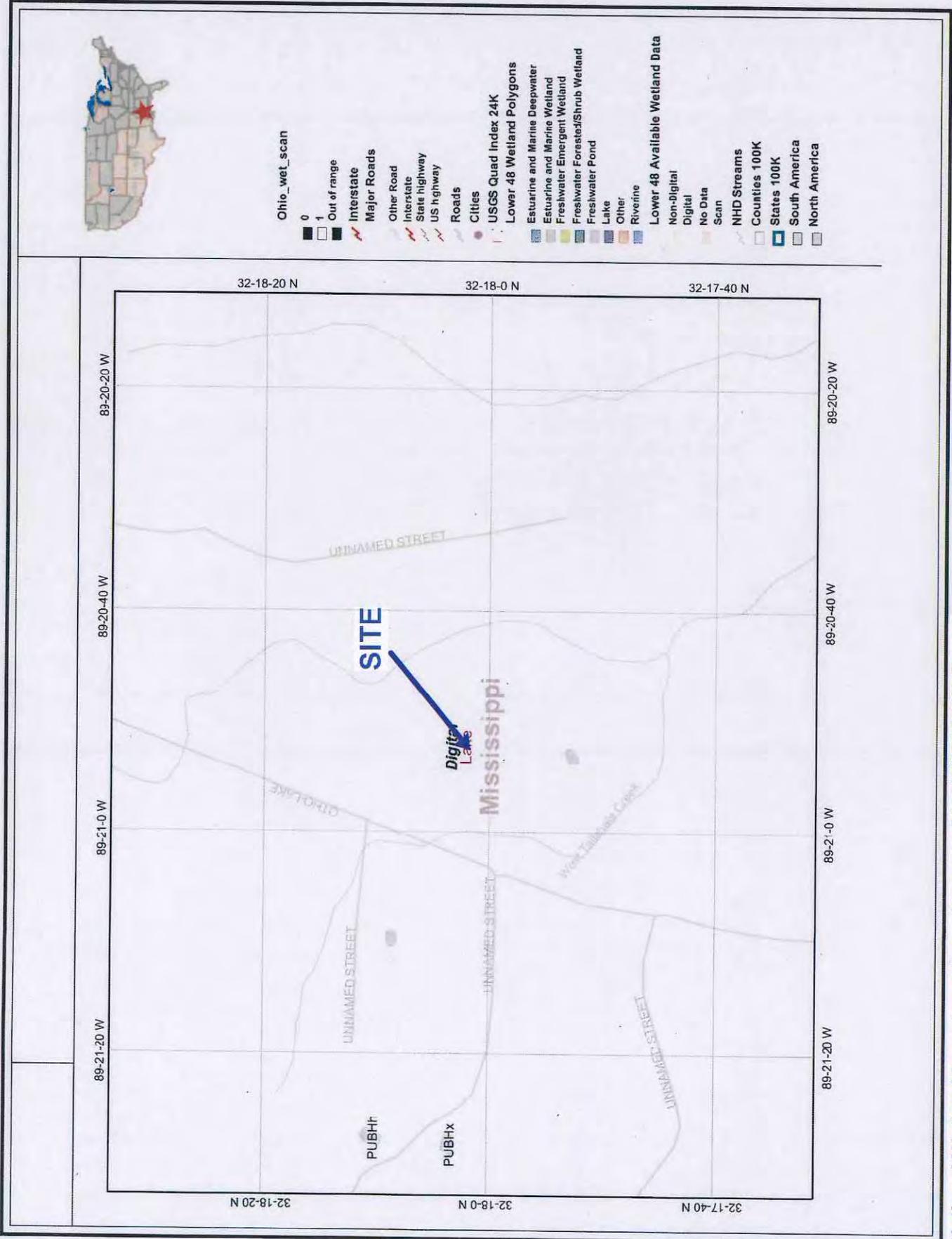


Figure 10

JSE01P0909

National Wetland Inventory Map - Proposed MSWIN 20608 Tower

Appendix A

GENERAL NOTES:

1. THE CONTRACTOR SHALL OBEY ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY, SPECIFICATIONS, AND LOCAL AND STATE JURISDICTION, CODE BEARING ON THE PERFORMANCE OF THE PROJECT, AND ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT FURNISHES THESE DRAWINGS FOR THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION CONTAINED IN THESE DRAWINGS AND CONTACT THE ARCHITECT IMMEDIATELY IN WRITING IF THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND RESPONSIBILITIES IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE LESSEE REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION CONTAINED IN THESE DRAWINGS AND CONTACT THE ARCHITECT IMMEDIATELY IN WRITING IF THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND RESPONSIBILITIES IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DETERMINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH ANY FIELD CHANGES OR AMENDMENTS ON CAMPUS/ROADS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROJECT'S PROGRESS, SCHEDULES, LOGS, SCENARIOS AND PROCEDURE AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS, ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN HEREIN.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AGENCIES.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, UTILITIES AND ADJACENT PROPERTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AGENCIES.
13. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARDOUS DEBRIS DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY.
14. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
15. THE CONTRACTOR SHALL NOTIFY THE LESSEE REPRESENTATIVE WHERE A CONFLICT EXISTS ON ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE LESSEE REPRESENTATIVE.
16. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB. ALL UNDERGROUND UTILITIES INFORMATION WAS OBTAINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK.

PROPERTY OWNER:
 BONNIE FLOYD
 171 HORSBY ROAD
 LAKE, MS 39092
 PHONE: (601) 775-8896

ELECTRIC CO.:
 SOUTHERN POWER (NEWTON OFFICE)
 CONTACT: GENERAL MANAGER
 PHONE: (800) 888-9573

SURVEY

 CONTRACTOR FOR INC.
 208 OAK MOUNTAIN CIRCLE
 PELHAM, ALABAMA 35124
 PHONE: (205) 252-6985
 FACSIMILE: (205) 320-1504

TELCO CO.:
 BELLSOUTH
 CONTACT: CUSTOMER SERVICE
 PHONE: (866) 757-9500

LESSEE:
 MSWIN
 MISSISSIPPI WIRELESS
 MISSISSIPPI COMMUNICATION COMMISSION
 ATTN: BILL BUFFINGTON
 MAIL CODE WOODROW WILSON
 JACKSON, MISSISSIPPI 39216

ZONING/PERMITTING INFO:
 (NO ZONING REQUIRED)
 PARCEL I.D. No.: 1041020000000800
 SCOTT COUNTY

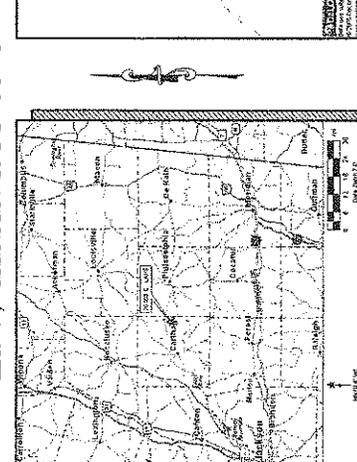
ENGINEER:

 HARDY ENGINEERING, INC.
 209 LINDEN STREET
 TRUSSVILLE, AL 35173
 PHONE: (205) 855-1427
 CONTACT: TIM HARDY

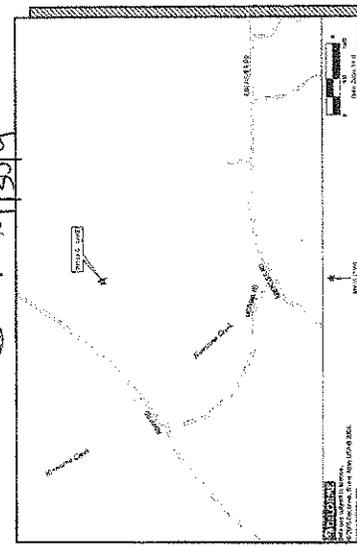
INDEX:

T5	TITLE SHEET
SURV	SURVEY
C1	GENERAL NOTES
C2	SITE GRADING PLAN
C3	SITE LAYOUT
C4	GROUNDING LAYOUT
C5	SERVICE BOARD & POLE DETAILS
W1	FENCE DETAILS
WIRING	WIRING

VICINITY MAP



NOTICE TO CONTRACTORS:
 SHOULD PREEXISTING ARCHAEOLOGICAL FEATURES OR HIGHLY SKELETAL REMAINS BE ENCOUNTERED DURING PROJECT ACTIVITIES, STOP WORK IMMEDIATELY AND CONTACT THE TOWERS OF MISSISSIPPI FIELD CONSTRUCTION MANAGER FOR INSTRUCTIONS.



"2C" COORDINATES:
 LATITUDE: 32° 16' 04.406" NORTH
 LONGITUDE: 89° 20' 50.538" WEST
 GROUND ELEVATION: 460.9' AMSL

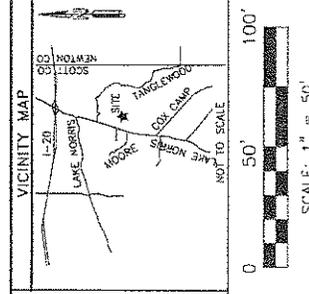


CALL BEFORE YOU DIG - DRILL - BLAST
 1-800-227-6477
 (TOLL FREE)
 MISSISSIPPI ONE CALL SYSTEM, INC.

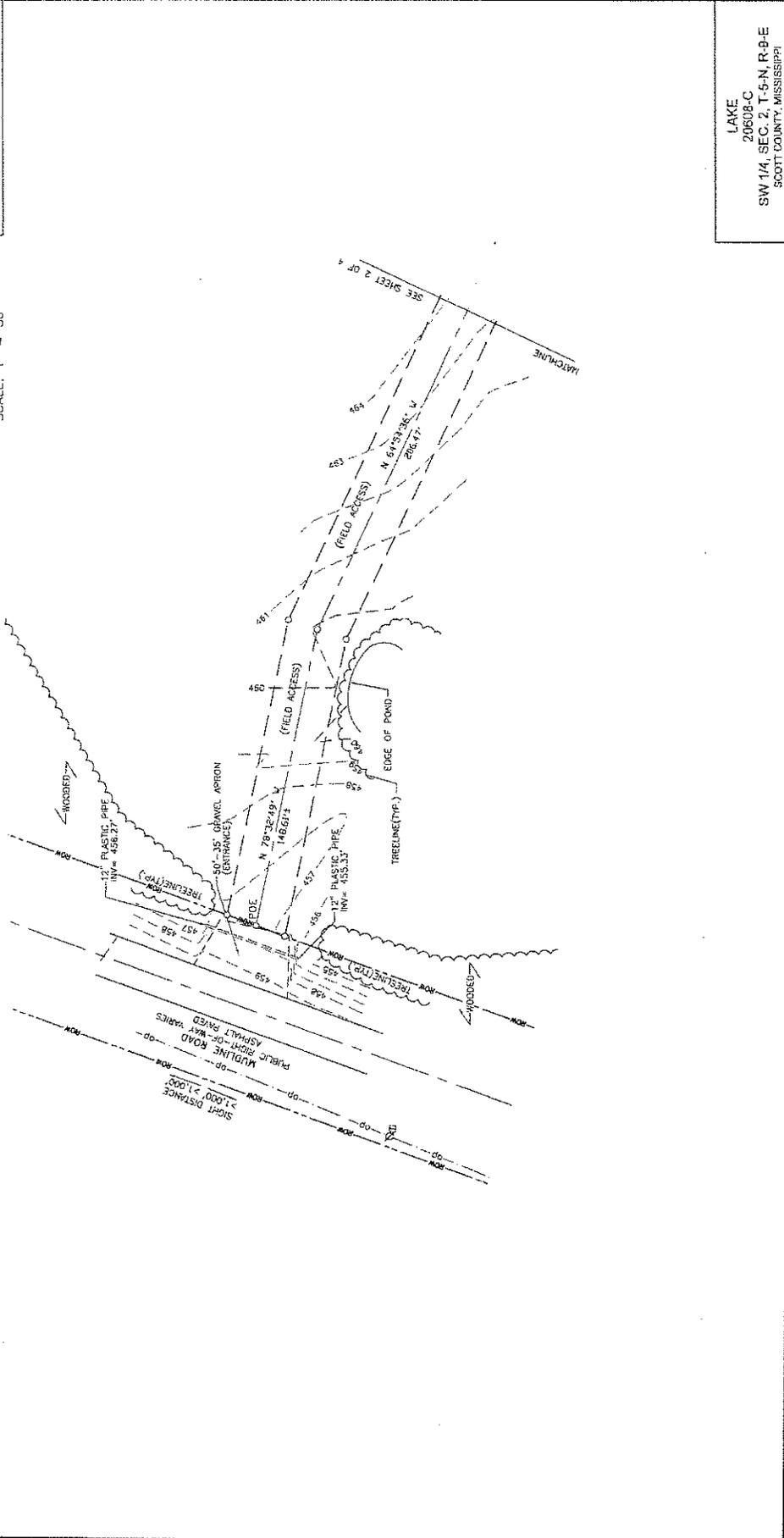
Handwritten signature and date: *TH* 7/30/9

LEGEND

- = 5/8" CAPTIVE REBAR SET (SMW LS 02039)
- = FOUND PROPERTY MARKER
- = SET PK NAIL
- POB = POINT OF BEGINNING
- POC = POINT OF COMMENCEMENT
- POE = POINT OF ENDING
- △ = CALCULATED POINT
- RD = RECORDED INFORMATION
- ⊥ = POWER POLE
- ⊥ = GUY ANCHOR
- ⊥ = POWER BOX
- ⊥ = TELEPHONE PEDESTAL
- ⊥ = RIGHT-OF-WAY
- ⊥ = OVERHEAD POWER



MISSISSIPPI - EAST
 GRID - NORTH
 GRID TO TRUE NORTH CONVERGENCE -07.16"
 TRUE NORTH TO MAGNETIC DECLINATION 0.35° W
 GPS SCALE FACTOR 0.99972893



LAKE
 20608-C
 SW 1/4, SEC. 2, T-5-N, R-9-E
 SCOTT COUNTY, MISSISSIPPI

PROVISIONS

1.1 Intent

A. These specifications and construction drawings accompanying them describe the work to be done and the materials to be furnished for the construction of this project.

B. The drawings and specifications are intended to be fully explanatory and supplementary. However, should anything be shown, indicated or specified on one and not the other, it shall be done the same as if shown, indicated or specified in both.

C. The intention of the documents is to include all labor and materials reasonably necessary for the proper execution and completion of the work as stipulated in the contract.

D. The purpose of the specifications is to interpret the intent of the drawings and to designate the method of the procedure, type and quality of materials required to complete the work.

E. Minor deviations from the design layout are anticipated and shall be considered as part of the work. No changes that alter the character of the work will be made or permitted by the Owner without issuing a change order.

1.2 Conflicts

A. The Contractor shall be responsible for verification of all measurements of the site before ordering any materials or doing any work. No extra charge or compensation shall be allowed due to difference between actual dimensions and dimensions indicated on the construction drawings. Any such discrepancy in dimension which may be found shall be submitted to the Owner for consideration before the Contractor proceeds with the work in the affected areas.

B. The Bidder, if awarded the contract, will not be allowed any extra compensation by reason of any matter or thing concerning which such Bidder might have fully informed himself prior to the bidding.

C. No plea of ignorance of conditions that exist, or of difficulties or conditions that may be encountered or of any other relevant matter concerning the work to be performed in the execution of the work will be accepted as an excuse for any failure or omission on the part of the Contractor to fulfill every detail of all the requirements.

1.3 Contracts and Warranties

A. Each Contractor is responsible for obtaining the building permit at the local jurisdiction as the Contractor of record, and provide local jurisdiction with all proof required to operate as a Contractor in that jurisdiction. The Contractor shall be reimbursed only the amount of any fee paid as follows:

- Plan review fee.
- Building permit fee.
- Connections and inspections fee.
- Development fee.

B. Contractor is responsible for application and payment of Contractor licenses and bonds.

1.4 Storage

All materials must be stored in a level and dry fashion and in a manner that does not necessarily obstruct the flow of other work. Any storage method must meet all recommendations of the associated manufacturer.

1.5 Clean Up

A. The Contractors shall at all times keep the site free from accumulation of waste materials or rubbish caused by his employees at work and at the completion of the work, he shall remove all rubbish from and about the building area, including all his tools, scaffolding, and surplus materials and shall leave his work clean and ready for use.

B. Exterior. Visually inspect exterior surfaces and remove all traces of soil, waste materials, smudges and other foreign matter.

- Remove all traces of splashed materials from adjacent surfaces.
- If necessary to achieve a uniform degree of cleanliness, hose down the exterior of the structure.

C. Interior. Visually inspect interior surface and remove all traces of soil, waste materials, smudges and other foreign matter from walls / floor / ceiling.

- Remove all traces of splashed materials from adjacent surfaces.
- Remove paint droppings, spots, stains and dirt from finished surfaces.

D. Contractor shall wash and wax floor prior to final acceptance. Floor wax shall be of the anti-static type.

1.6 Change Order Procedure

A. Change order may be initiated by the Owner and/or the Contractor involved. The Contractor, upon verbal request from the Owner shall prepare a written proposal describing the change in work or materials and any changes in the contract amount and present to the Owner for approval. Submit requests for substitutions in the form and in accordance with procedures required for change order proposals. Any changes in scope of work or materials which are performed by the Contractor without a written change order as described and approved by the Owner shall place full responsibility of these actions on the Contractor.

1.7 Related Documents And Coordination

A. General Carpentry, electrical, and antenna drawings are interrelated. In performance of the work, the Contractor must refer to all drawings. All coordination to be the responsibility of the Contractor.

1.8 Shop Drawings

A. Contractor to submit shop drawings as required to the Owner for approval.

B. All shop drawings shall be reviewed, checked, and corrected by Contractor prior to submission to the Owner.

1.9 Products And Substitutions

A. Submit 3 copies of each request for substitution. In each request identify the product or fabrication or installation method to be replaced by the substitution. Include related specification section and drawing numbers and complete documentation showing compliance with the requirements for substitutions.

B. Submit all necessary product data and cut sheets which properly indicate and describe the items, products, and materials being installed. The Contractor shall, if deemed necessary by the Owner, submit actual samples to the Owner for approval in lieu of cut sheets.

1.10 Quality Assurance

All work shall be in accordance with applicable local, state and federal regulations. These shall include but not be limited to the latest version of the following:

ANSI/EIA - 222 - G
Uniform Building Code (UBC) 1994
Building Officials and Code Administrators (BOCA) 1990
National Electrical Code (NEC) with local amendments 1994
Under-Writer Laboratories Approved Electrical Products
American Institute of Steel Construction Specifications (AISC)
Life Society Code NFPA - 101 - 1990

1.11 Administration

A. Before the commencement of any work, the Contractor will assign a Project Manager, who will act as a single point of contact for all personnel involved in this project. This Project Manager will develop a master schedule for the project which will be submitted to the Owner prior to the commencement of any work.

B. Submit a bar chart type progress not more than 3 days after the date established for commencement of the work on the schedule. Indicate a time bar for each major category or unit of work to be performed at site, properly sequenced and coordinated with other elements of work. Show completion of the work sufficiently in advance of the date established for substantial completion of the work.

C. Prior to commencing construction, the Owner shall schedule an on-site meeting with all major parties. This would include (though not limited to) the Owner, local telephone company, Tower Erection foreman (if subcontracted).

D. Contractor shall be equipped with some means of constant communications, such as a mobile phone or a beeper. This equipment will NOT be supplied by the Owner nor will cellular service be arranged.

E. During construction, Contractor must ensure that employees and SubContractors wear hard hats at all times. The contractor must comply with all applicable OSHA requirements.

F. Provide DAILY updates on site progress, either verbal or written.

G. Contractor is responsible for all shortages of material or equipment not brought to the attention of the owner within 24 hours of delivery.

H. The Owner shall be notified no less than 48 hours in advance of concrete pours, tower erections, and shaker placements.

1.12 Insurance And Bonds

A. Contractor shall at his own expense carry and maintain for the duration of the project all insurance as required and shall not commence work with his work until he has presented a certificate of insurance stating all coverages to the Contractor who shall, in turn, forward a copy of all certificates to the Owner.

1.13 Temporary Facilities

A. Sanitary - Provide temporary toilets as required by local authorities. Do not use Owner's facilities by local authorities.

SITE WORK AND DRAINAGE

2.1 Work Included

Refer to the survey and architectural site plan for work included.

2.2 Related Work

- Construction for building foundation
- Erection of fence
- Access road

2.3 Descriptions

A. Access road, turnaround areas, and sites are constructed to provide a well drained, easily maintained, even surface for material and equipment deliveries and maintenance personnel access.

2.4 Quality Assurance

- Vegetation and landscaping, if required within the contract, will be placed and maintained as recommended by nursery industry standards.
- Sequencing
 - Confirm survey stakes and set elevation stakes prior to any construction.
 - The complete road and site area will be cleared of heavy growth of grass, trees, shrubs and topsail prior to foundation construction or placement of backfill or sub-base material.
- Construct temporary construction zone along access drive.
- The site area will be brought to sub-grade course elevation and the access road to sub-grade elevation prior to forming foundations.
- If required, grade, seed, fertilize and mulch disturbed area immediately after bringing the site and access road to base course elevation. Water to ensure growth.
- Remove gravel from temporary construction zone.

GENERAL NOTES

20508C - LAKE TOWERS OF MISSISSIPPI II, LLC
LAKE, MISSISSIPPI, FOR

DATE: 2/20/08
SCALE: AS NOTED

REGISTERED PROFESSIONAL ENGINEER
13289
MONTY L. HARDY

20508C - LAKE TOWERS OF MISSISSIPPI II, LLC
ENGINEERING AND CONSULTING
209 JORDEN STREET, P.O. BOX 708
TRUSSVILLE, AL 35173
PHONE: (205) 656-1427 FAX: (205) 661-9027

DATE: 07-27-09
BY: C.E. PERSONS
CHECKED BY: T.L. HARDY
DATE: 07-27-09

31550 BLAKEY WAY, SPANISH FORT, ALABAMA 36577
TOWERS OF MISSISSIPPI II, LLC

REVISIONS	BY	CHK. BY	DATE

2.12 Installation

- A. The site and turnaround areas shall be at the sub-base course elevation prior to forming foundations. Grade or fill the site and access roads as required in order that there is even distribution of spoils resulting from foundation excavations. The resulting grade will correspond with said sub-base course elevations and to be calculated from finished grades or slopes indicated.
- B. If any excess spoils will be cleared from job site and not spread beyond the limits of Owner / leased property unless authorized by project manager.
- C. The access road shall be brought to base course elevation prior to foundation construction to permit use. Compaction shall be done during construction of the site.
- D. Avoid creating depressions where water may pond.
- E. The contract shall be assumed to include grading, banking, ditching and unless otherwise indicated.
- F. When improving an existing access road, grade the existing road to remove any organic matter and smooth the surface before placing fill.
- G. Place fill or stone in six inch maximum lifts and compact before placing next lift.
- H. The finish grade, including top surface course, shall extend a minimum of one foot beyond the site fence and shall cover the area as indicated.
- I. Rip rap shall be applied to the side slopes of all fenced site areas, parking areas and to all other slopes greater than 2:1.
- J. Rip rap shall be applied to the sides of ditches or drainage swales.
- K. Rip rap entire ditch for six feet in all directions at culvert openings.
- L. Under no circumstances will ditches, swales or culverts be placed so they direct water towards or permit standing water immediately adjacent to site. If Owner designs or elevations conflict with this guidance the Owner should be advised immediately.
- M. If ditch lines with slopes greater than ten percent, mound diversionary headwalls in the ditch at culvert entrances 45 degrees off the ditch line. Rip rap the upstream side of the headwall as well as the ditch for six feet above the culvert entrance.

2.13 Field Quality Control

- A. Compaction shall be at least 95% of maximum density and within 2% of optimum moisture content in accordance with ASTM D-1557. Areas of settlement will be excavated and refilled at Contractor's expense.
- B. All trees placed in conjunction with a landscape contract will be wrapped, tied with base protected wire and secured to 2 inch x 2 inch x 4 foot wooden stakes extending two feet into the ground on four sides of the tree.

2.15 Concrete

- A. Work shall be in accordance with the latest revision of the ACI-318, "Building Code Requirements for Reinforced Concrete."
- B. The concrete shall develop a minimum compressive strength of 4000 psi in 28 days.
- C. Proportions of concrete materials shall be suitable for the installation method utilized and shall result in durable concrete for resistance to local anticipated aggressive actions. The durability requirements of ACI-318 shall be satisfied based on the conditions expected at the site.
- D. Concrete shall be placed in a manner that it will prevent segregation of concrete materials, infiltration of water or soil, and other occurrences that may decrease the strength or durability of the foundation.
- E. Free fall concrete may be used provided fall is vertical down without hitting the sides of the excavation, formwork, reinforcing bars, form ties, cage bracing, or other obstructions. Under no circumstances shall concrete fall through water.
- F. The maximum size of the aggregate shall not exceed a size suitable for the installation method utilized or 1/3-clear distance behind or between reinforcing. The maximum size may be increased to 2/3-clear distance provided workability and methods of consolidation such as vibrating will prevent honeycombs and voids.
- G. Lower bases leveled using the double-nut system shall be grouted using Master Builders EMBCO 636 grout or equivalent.
- H. For the lesser of 25 cubic yards or one day's placement, a minimum of one set of 4 concrete cylinders shall be cast in accordance with ASTM C-31 and ASTM C-39.
- I. A temporary protective steel casing will be required to keep the shaft open during construction and inspections prior to placing concrete. This casing should be extracted as the concrete is placed.
- J. Concrete shall be placed, worked and consolidated by suitable means around reinforcement, embedded items and into corners of forms.

2.16 Related Work

- A. Coordinate fence grounding with electrical Contractor.
- B. Refer to Division 2 - concrete for specification of concrete and grout.
- C. Refer to site plan for applicable locations of access road gates.

3.3 Description

- A. A security fence is provided in order to inhibit unauthorized access to the site area.

3.4 Quality Assurance

- A. All steel materials utilized in conjunction with this specification will be galvanized or stainless steel. Weight of zinc coating on the fabric shall be not less than 1 ounce per square foot of material covered, ASTM A397, Class 1. Posts shall be hot-dipped in Grade "Z" zinc, 1.6 ounces per square foot.

3.5 Sequencing

- A. If the site area has been brought up to surface course elevation prior to fence construction, fence post excavation spoils must be contracted to preclude contamination of surface course.

PART 2 PRODUCTS

- A. All fabric wire, rolls, poles, hardware and other steel materials shall be hot-dipped galvanized.
- B. Fabric shall be six-foot high, two-inch chain link mesh of No. 9 gauge (0.148) wire. The fabric shall have a knucled finish for the top and bottom selvages. Fabric shall conform to the specifications of ASTM A-392 Class 1.
- C. Barbed wire shall be double-strand, 12-1/2 gauge twisted wire, with 14 gauge 4 point round bases spaced on five-inch centers.
- D. All posts shall be schedule - 40 galvanized steel pipe and shall be ASTM F1083, Type 1.
- E. Gate posts shall be extended 12 inches, including dome cap, to provide for attachment of barbed wire.
- F. All top and brace rails shall be 1 1/4" diameter schedule - 40 Type 1 pipe. Frames shall have welded corners.
- G. Gate frames shall have a full-height vertical brace and a full-width horizontal brace, secured in place by use of gate brace clamps.
- H. Gate hinges shall be merchants metal model 64386 hinge adapter with model 9499, degree attachment.
- I. The guide (latch assembly) shall be merchants metal model 2083.
- J. Latches, stops and keepers shall be provided for all gates.
- K. All stops shall have keepers capable of holding the gate leaf in the open position.
- L. Double gates shall have a full height plunger bar with dome cap 1.
- M. A no. 7 gauge zinc coated marcellized tension wire ASTM A574, Type II, shall be used at the bottom of the fabric, terminated with bend clips at corner and gate posts.
- N. A six inch by 1/2 inch diameter eye-bolt to hold tension wire will be placed at line posts.
- O. Stratcher bars shall be hot dipped galvanized steel 3/16" x 3/4" or have equivalent cross sectional area.
- P. All corner gate and end panels shall have a 3/8 inch truss rod with turnbuckles.
- Q. All posts except gate posts shall have a combination gate and barbed wire supporting arm. Gate posts shall have a dome cap.
- R. Other hardware includes but may not be limited to tie clips, band clips and tension band clips in conformance with CEM Manual.

PART 1 GENERAL

- A. Refer to the site plans for size and location of fence and gates to be installed.

3.1 Work Included

- A. Refer to the site plans for size and location of fence and gates to be installed.

3.2 Related Work

- A. Coordinate fence grounding with electrical Contractor.
- B. Refer to Division 2 - concrete for specification of concrete and grout.
- C. Refer to site plan for applicable locations of access road gates.

3.3 Description

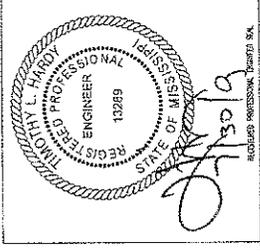
- A. A security fence is provided in order to inhibit unauthorized access to the site area.

PART 4 SPECIAL ITEMS

- A. All exposed areas shall be protected against washouts and soil erosion. Straw bales will be placed at the inlet approach to all new or existing culverts. Where the site or road areas have been excavated immediately adjacent to a rail line, erosion control fabric will be staked full length in the scale between the site and the rail bed to prevent contamination of the rail ballast.

PART 3 EXCAVATION

- A. Local building inspection shall receive adequate notification in advance of concrete pours.
- B. Clear trees, brush and debris from site area and access road right of way (if required).
- C. Prior to other excavation and construction efforts clear site of organic material to a minimum of six inches below original ground level.
- D. Unless otherwise instructed by the Owner, remove trees, brush, and debris from the property to an authorized landfill.
- E. Prior to placement of fill or base materials, proof roll the soil.
- F. Where unstable soil conditions are encountered, cover cleared areas with stabilizer mat prior to placement of fill or base material.



GENERAL NOTES
 20608C - LAKE
 LAKE, MISSISSIPPI
 TOWNS OF MISSISSIPPI II, LLC
 SHEET NO. 23608C-007 DRAWING NO. G2

TOWERS OF MISSISSIPPI II, LLC
 4560 BLANKLEY WAY, SPANISH FOREST, MIAMI BEACH, FL 33527

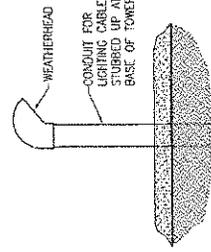
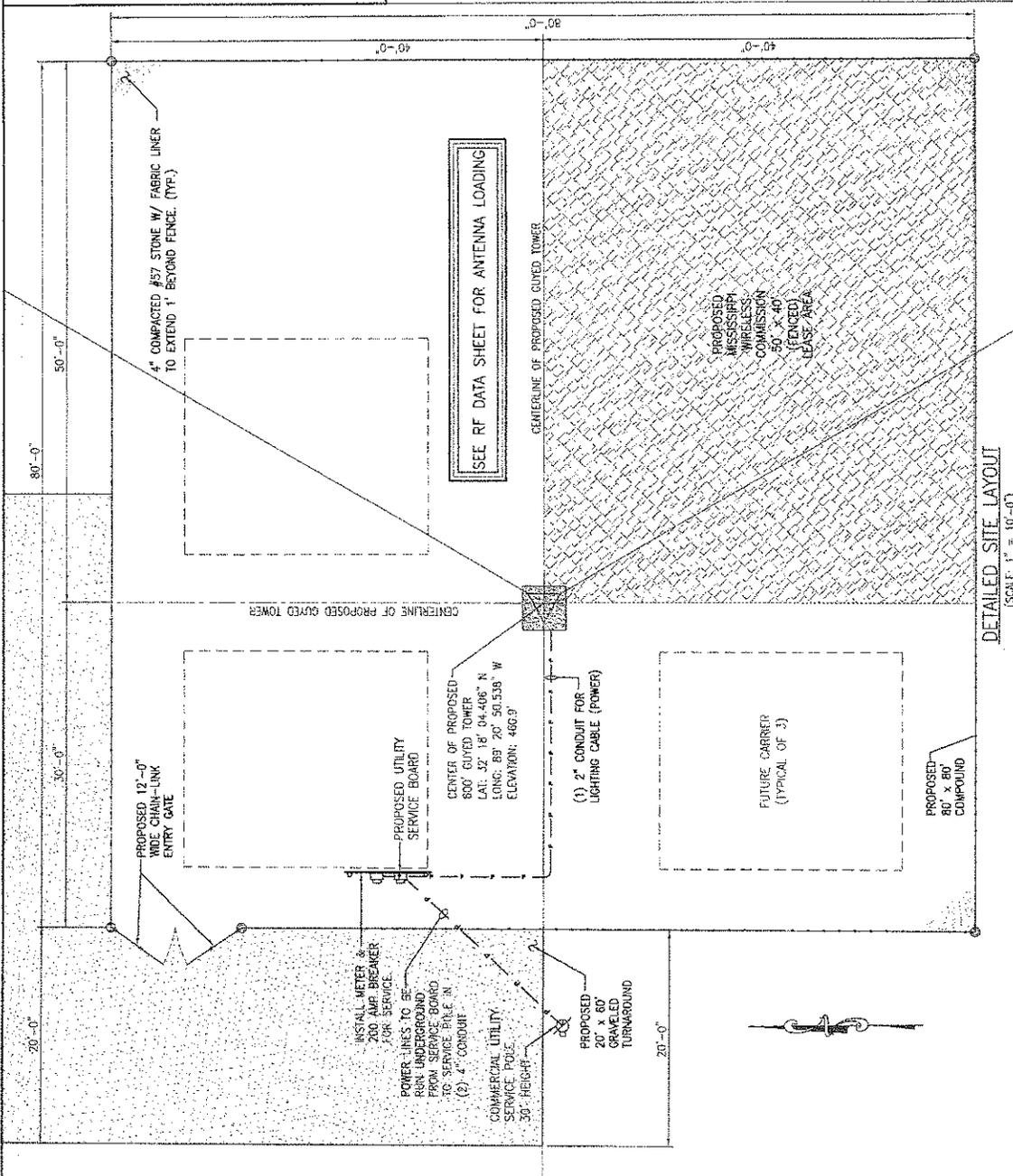
HARDY ENGINEERING, INC.
 ENGINEERING AND CONSULTING
 209 LINDEN STREET, P.O. BOX 708
 TRUSSVILLE, AL 35173
 PHONE (205) 655-1427 FAX: (205) 681-9927

DATE: 07-27-09
 DRAWN BY: T.L. HARDY
 CHECKED BY: C.E. PERSONS

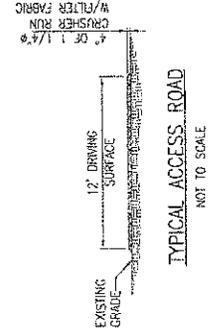
ITEM	REVISIONS	BY	CHK. BY	DATE

NOTES:

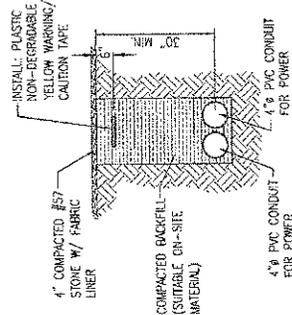
1. AS MINIMUM, CONTRACTOR SHALL GRADE SITE TO ESTABLISH LOCAL BENCHMARKS SUCH AS DITCHES, HOLES, BIRDS, AND MOUNDS. ADDITIONAL GRADING REQUIREMENTS MAY BE INDICATED BY ELEVATIONS GIVEN ON THE SITE GRADING PLAN.
2. ACCESS ROAD SHALL BE BRDED SMOOTH AND STABILIZED WITH COMPACTED CRUSHED ROCK AS INDICATED ON THE TYPICAL ACCESS ROAD SECTION. ACCESS MAY REQUIRE ADDITIONAL GRADING IF INDICATED ON THE GRADING PLAN.
3. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL TREES AND OBSTRUCTIONS INSIDE THE LEASE AREA AND WITHIN 15' EITHER SIDE OF THE C/A OF GUY RUNS.
4. ACCESS ROAD TO BE ROUTED AS SHOWN ON DWG. C1 AND THE SURVEY.
5. BOUNDARY AND EXISTING SITE FEATURES ARE BASED ON THE SURVEY. CONTRACTOR SHALL UTILIZE SURVEY TO ESTABLISH LOCATIONS OF PROPERTY. CONTRACTOR SHALL MAINTAIN ALL PROPERTY DISCREPANCIES BETWEEN THE SURVEY AND THIS DRAWING.



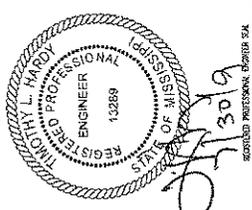
PROFILE OF LIGHT CABLE CONDUIT WITH WEATHERHEAD (NOT TO SCALE)



TYPICAL ACCESS ROAD (NOT TO SCALE)



CONDUIT TRENCH DETAIL (NOT TO SCALE)



SCALE: 1" = 10'-0"

DETAILED SITE LAYOUT

20608C - LAKE LAKE, MISSISSIPPI

POWERS OF MISSISSIPPI II, LLC

DATE: 07-27-09

BY: T. L. HARDY

DATE: 07-27-09

SCALE: 1" = 10'-0"

DETAILED SITE LAYOUT

20608C - LAKE LAKE, MISSISSIPPI

POWERS OF MISSISSIPPI II, LLC

DATE: 07-27-09

BY: T. L. HARDY

DATE: 07-27-09

SCALE: 1" = 10'-0"

DETAILED SITE LAYOUT

20608C - LAKE LAKE, MISSISSIPPI

POWERS OF MISSISSIPPI II, LLC

DATE: 07-27-09

BY: T. L. HARDY

DATE: 07-27-09

SCALE: 1" = 10'-0"

DETAILED SITE LAYOUT

20608C - LAKE LAKE, MISSISSIPPI

POWERS OF MISSISSIPPI II, LLC

ITEM	REVISIONS	BY	CHK. BY	DATE

31560 BLAKEY W/ SPANISH FORT, ALABAMA 36527

TOWERS OF MISSISSIPPI II, LLC

PHONE: (206) 656-1427 FAX: (206) 661-9622

ENGINEERING AND CONSULTING
203 LINEN STREET, P.O. BOX 708
TRUSSVILLE, AL 35173

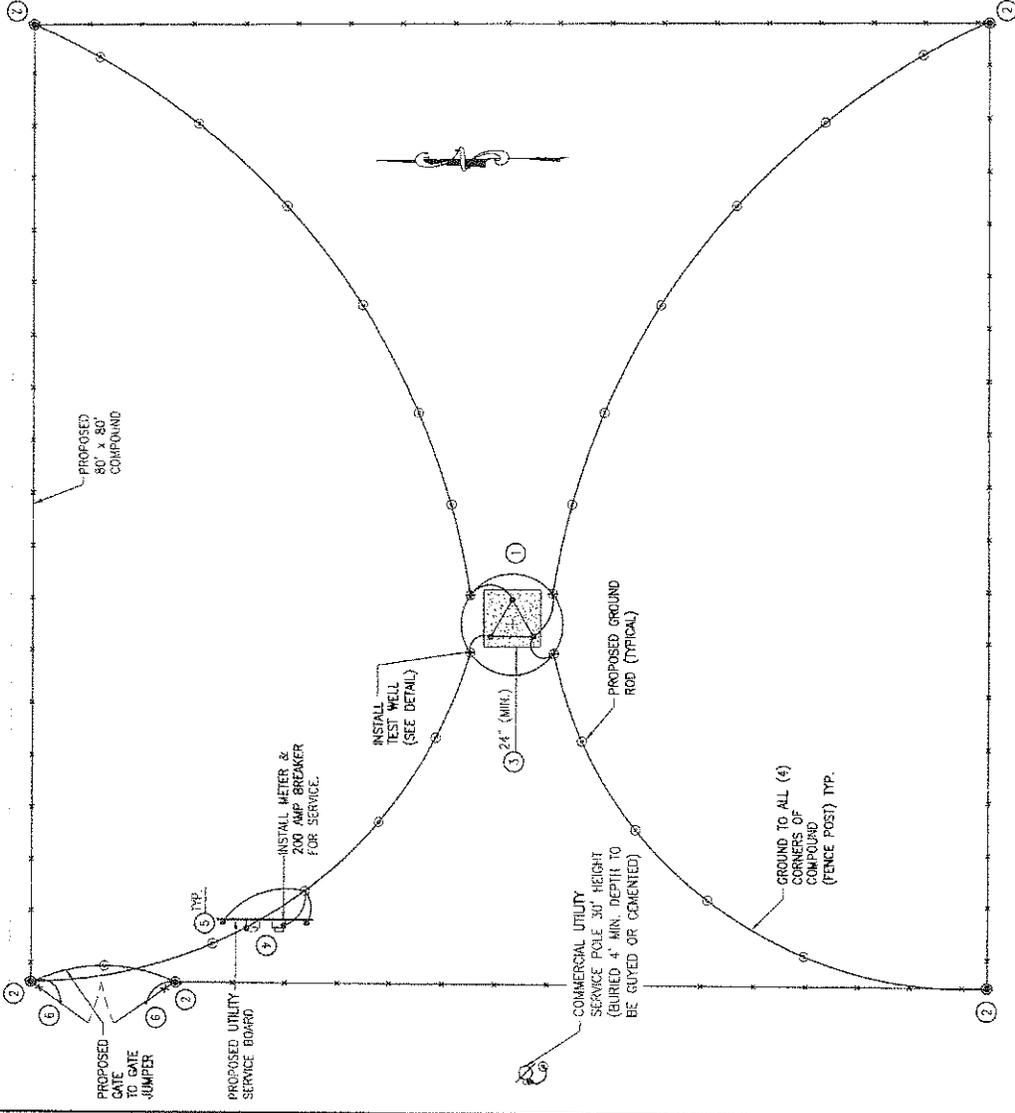
HARDY ENGINEERING, INC.

20608C - LAKE LAKE, MISSISSIPPI

POWERS OF MISSISSIPPI II, LLC

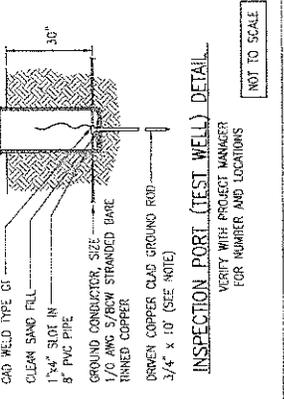
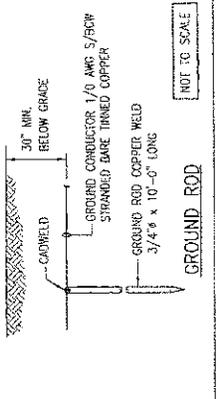
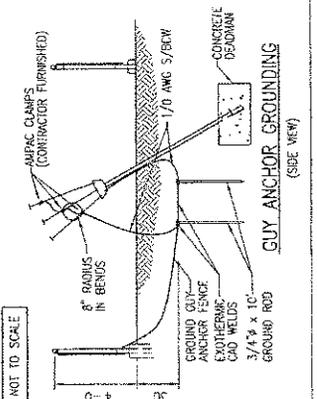
AS NOTED

C2



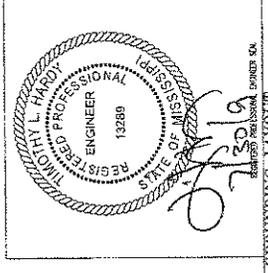
LEGEND

- 1/0 AWG STRANDED BARE THINNED COPPER CONDUCTOR UNLESS OTHERWISE SPECIFIED.
- EXOTHERMIC WELD CONNECTION
- 3/4" x 10' COPPER CLAD STEEL GROUND ROD UNLESS OTHERWISE SPECIFIED. MINIMUM SPACING OF 8'-0"
- 1/0 AWG 5/BOW FROM TOWER TO GROUND RING
- INSPECTION PORT



- CALL-OUT NOTES:**
- TOWER STRUCTURE GROUND, 3 PLACES TYP. REMOVE ZINC PLATING AND ADHESIVE TO BASE PLATE OF TOWER.
 - FENCE GROUND CONNECTIONS - REMOVE ZINC PLATING FROM POST BEFORE CABLED CONNECTION TO FENCE DRILL USING A FILE OR ROUND FILE (TAPER) AND CUTTING DRILL SPRAY END OR SILD GALVANIZING SPRAY PAINT.
 - MINIMUM SPACING OF TOWER RING GROUND FROM TOWER FOUNDATION 24" MINIMUM.
 - NEUTRAL-GROUND BOND AT SERVICE DISCONNECT.
 - GROUND SERVICE BOARD / RIE BROSE POSTS
 - BOND FENCE TO GATE WITH AINS WELDING CABLE.

- GENERAL NOTES:**
- LAYOUT SHOWN IS REPRESENTATIVE FOR A TYPICAL SITE. SEE SITE PLAN FOR ACTUAL EQUIPMENT LAYOUT.
 - GROUND RING TO GUYR SHALL BE 5 CHAS OR LESS. GUYR ANCHOR RODS MAY HAVE TO BE ADDED TO THE INITIAL 3/4" x 10' RODS. USE TEMPORARY BOLTED CONNECTION TO ROD AND PERFORM GROUND RESISTANCE TEST.
 - ALL GROUNDING CONDUCTOR SWEEPS SHALL BE SMOOTH WITH NO SHARP BENDS (6" MIN. BEND RADIUS). SWEEPS SHALL BE CAD WELDED TO GROUND RING WITH PARALLEL CAD WELD.
 - ALL CAD WELDS TO BUNDLED GROUND RING SHALL BE OF PARALLEL TYPE. ALL THE CONNECTIONS TO BE USED.
 - USE DE-OX OR MOKLY COMPOUND BETWEEN ALL GROUNDING LUG CONNECTIONS. DO NOT COVER LUGS OR HARDWARE WITH COMPOUND.
 - ALL MOUNTING & CONNECTING HARDWARE FOR GROUNDING TO BE STAINLESS STEEL ONLY. NO PLATED OR GALVANIZED HARDWARE IS TO BE USED.
 - GROUNDING CONDUCTORS TO BE BURIED A MINIMUM OF 30" DEEP UNLESS OTHERWISE SPECIFIED BY LOCAL CODE.
 - ALL GROUNDING CONDUCTORS TO 1/0 AWG 5/BOW CONDUCTORS UNLESS OTHERWISE NOTED. DO NOT USE COMPRESSORS OR MECHANICAL STEEL LUGS.
 - USE ONLY 2-HOLE CAD WELD LUGS ON ENDS OF GROUNDING



GROUNDING LAYOUT
 20509C - LAKE LANE, MISSISSIPPI
 FOR TOWERS OF MISSISSIPPI II, LLC
 DATE: 07-27-09
 DRAWN BY: I.L. HARDY
 CHECKED BY: C.E. PERSONS
 SCALE: 1" = 10'-0"

VERIFY WITH PROJECT MANAGER FOR NUMBER AND LOCATIONS

INSPECTION PORT (TEST WELL) DETAIL

CAD WELD TYPE: CT
 CLEAR SAND FILL
 1 1/4" SLOT IN
 8" PVC PIPE
 GROUND CONDUCTOR, SIZE: 1/0 AWG 5/BOW STRANDED BARE THINNED COPPER
 DRIVEN COPPER CLAD GROUND ROD
 3/4" x 10' (SEE NOTE)

TOWERS OF MISSISSIPPI II, LLC
 31581 BARKLEY HWY, SPANCH FORT, NADOMA 38527

REVISIONS

NO.	BY	CHK. BY	DATE

C.E. PERSONS 07-27-09
 PROJECT MANAGER
I.L. HARDY 07-27-09
 DRAWN BY

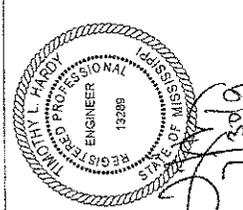
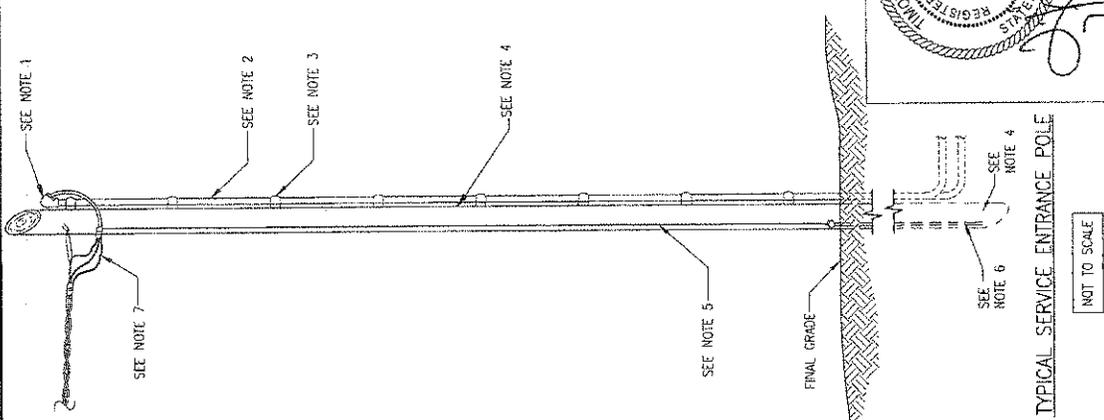
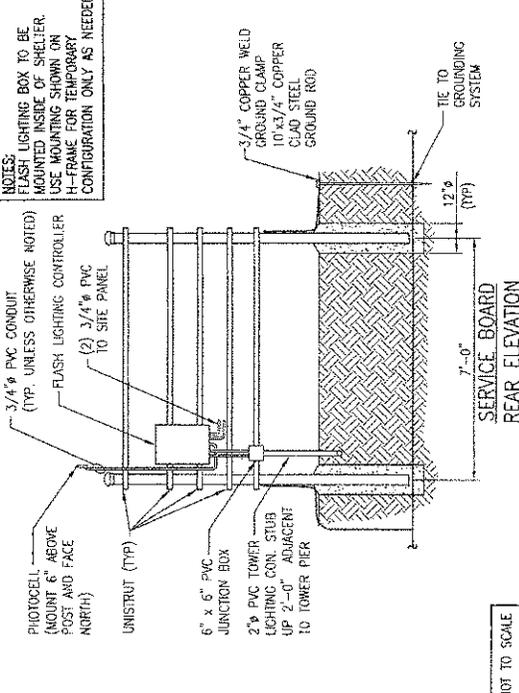
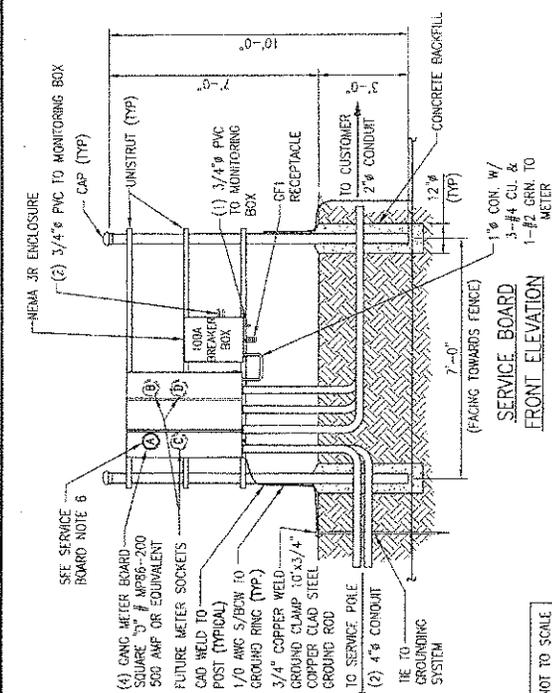
HARDY ENGINEERING, INC.
 ENGINEERING AND CONSULTING
 209 UNION STREET, P.O. BOX 708
 TRUSSVILLE, AL 35173
 PHONE: (205) 655-1427 FAX: (205) 651-9802

SERVICE POLE NOTES:

1. THIS INSTALLATION SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES AND ORDINANCES. SEE LOCAL AUTHORITIES FOR ANY REQUIREMENTS BEYOND THESE LISTED.
2. CONTRACTOR SHALL PROVIDE ALL MATERIALS NECESSARY FOR 500 AMP SERVICE. THIS SHALL INCLUDE (2) WEATHER HEADS AND RIBBID CONDUIT FOR 500 AMP SERVICE. INSTALL RIBBID CONDUIT FOR POWER WITH TWO (2) PARALLEL 400'S.
3. INSTALL STRAPS, 2'-0" MAX.
4. THE TREATED WOOD POLE IS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR WITH THE OVERALL LENGTH AND EMBEDMENT DEPTH TO BE IN ACCORDANCE WITH THE LOCAL ELECTRIC UTILITY'S STANDARDS. (30' CLASS 4)
5. GROUND CONDUCTOR. (BASE, SOFT DRAWN COPPER, #6 AWG)
6. 3/4" x 10' GROUND ROD.
7. THE LOCAL ELECTRIC UTILITY COMPANY WILL MAKE THE SERVICE CONNECTIONS
8. CONTRACTOR TO COORDINATE DELIVERY OF POWER.

SERVICE BOARD NOTES:

1. CONTRACTOR CONSULT WITH OWNER'S PROJECT MANAGER FIRST, BEFORE THE INSTALLATION OF SERVICE BOARD. PROJECT MANAGER WILL DETERMINE IF THE SERVICE BOARD WILL BE REQUIRED FOR CERTAIN SITES.
2. ALL ELECTRIC POWER AND TELCO INSTALLATION SHALL CONFORM TO THE MOST STRINGENT REQUIREMENTS OF EITHER THE LATEST BUILDING CODES AND ORDINANCES, THE N.E.C., LATEST EDITION.
3. POWER BOX SHALL BE INSTALLED BY AN ELECTRICIAN LICENSED IN THE STATE AND LOCALITY OF THE WORK TO BE PERFORMED.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE EQUIPMENT REQUIREMENTS WITH EQUIPMENT MANUFACTURER, TOWER OWNER, AND LOCAL ELECTRICAL AND TELCO UTILITY COMPANIES.
5. CONTRACTOR SHALL LABEL METER SOCKETS. THE UPPER LEFT HAND CORNER SOCKET SHOULD BE LABELED TOWERS OF MISSISSIPPI.

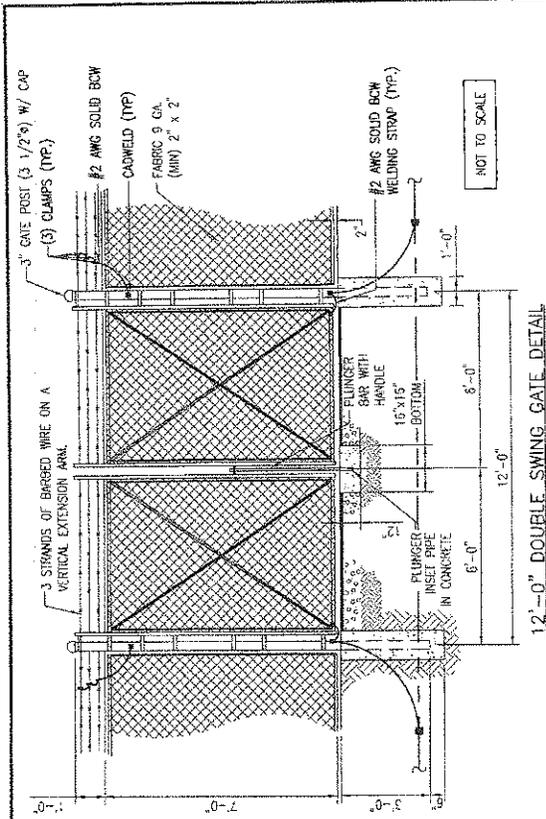


ITEM	REVISIONS	BY	CHK. BY	DATE

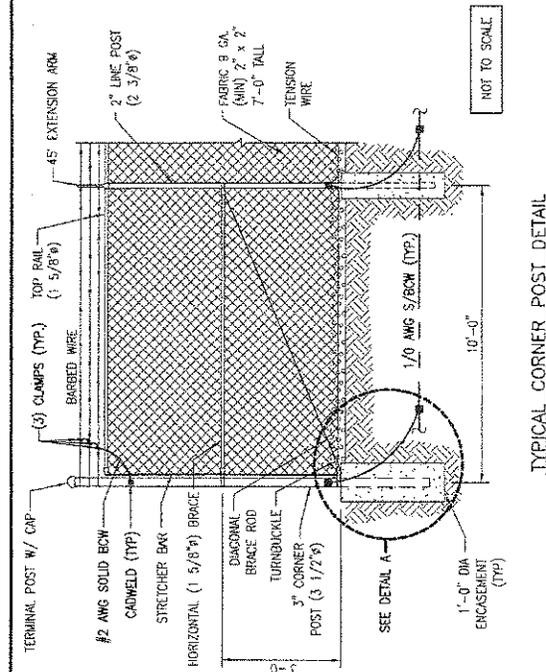
TOWERS OF MISSISSIPPI II, LLC		3155 BLAKELEY WPK, SPANISH FORT, ALABAMA 36527	
DESIGNED BY	C.E. PERSONS	DATE	07-27-09
DRAWN BY	I.L. HARDY	CHK.	07-27-09
PROJECT NO.			

HARDY ENGINEERING, INC.		ENGINEERING AND CONSULTING	
209 LANIER STREET, P.O. BOX 700		TRUSSVILLE, AL 35173	
PHONE: (205) 655-1427 FAX: (205) 661-9827			

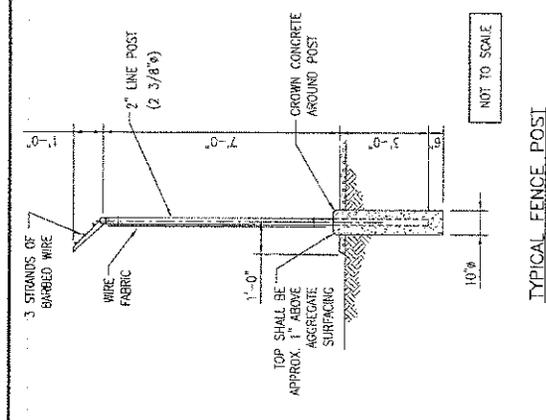
DATE: 07-27-09	SCALE: AS NOTED
PROJECT: TOWERS OF MISSISSIPPI II, LLC	



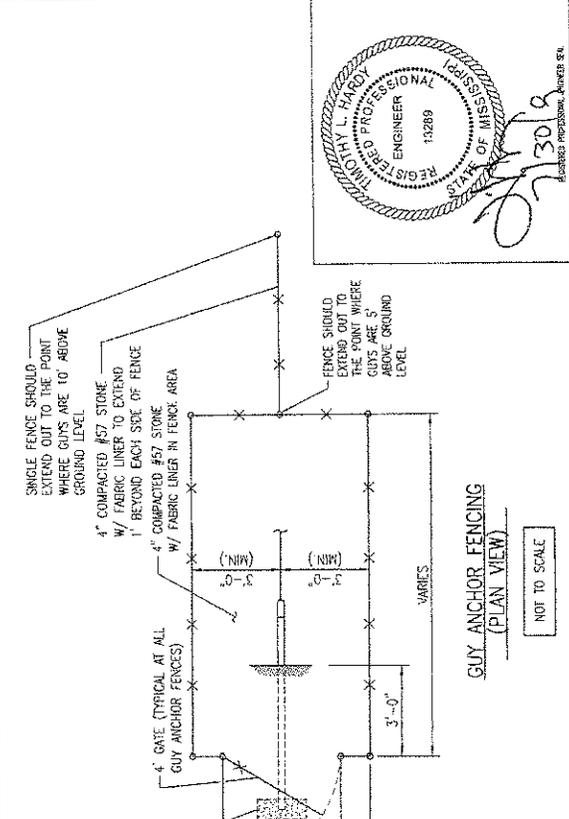
12'-0" DOUBLE SWING GATE DETAIL



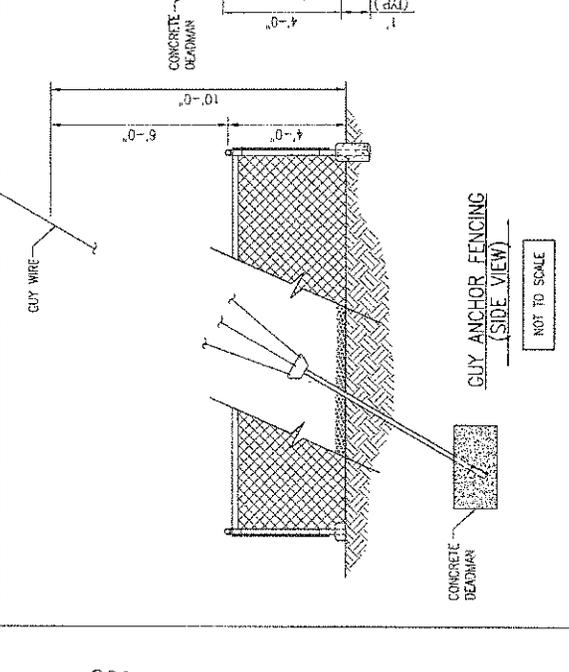
TYPICAL CORNER POST DETAIL



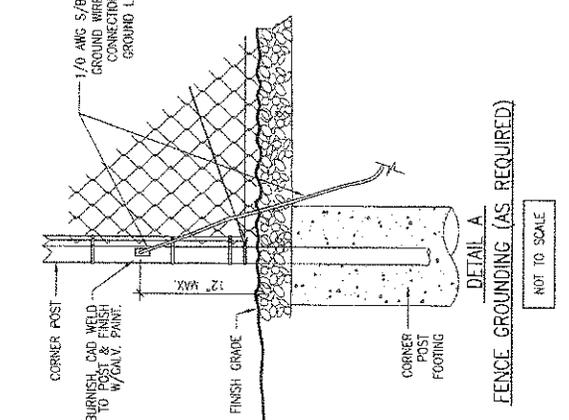
TYPICAL FENCE POST



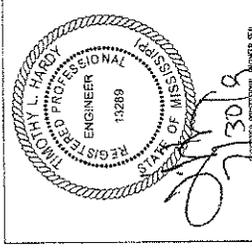
GUY ANCHOR FENCING (PLAN VIEW)



GUY ANCHOR FENCING (SIDE VIEW)



DETAIL A: FENCE GROUNDING (AS REQUIRED)



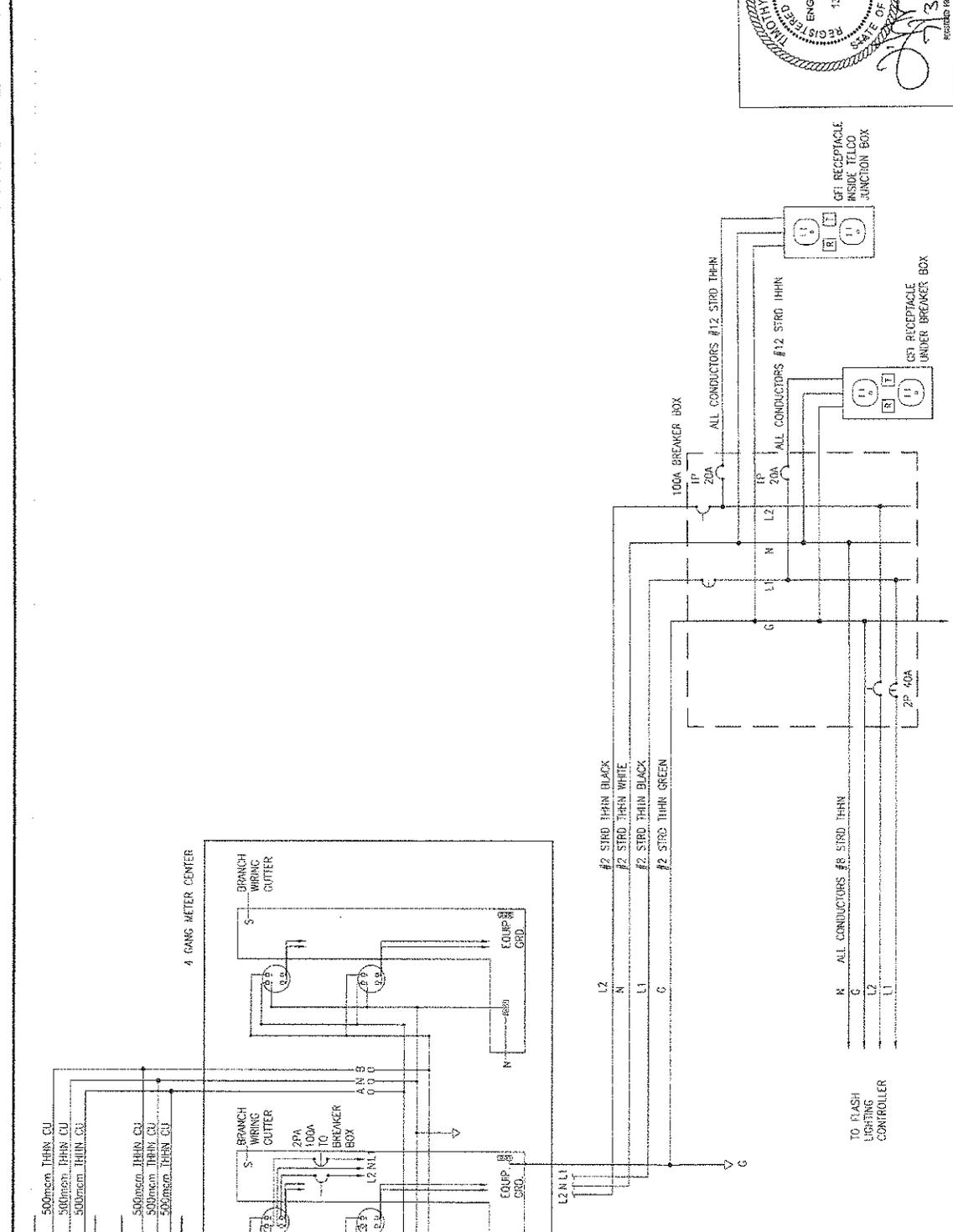
20608C - LAKE TOWERS OF MISSISSIPPI II, LLC
 DATE: 07-27-09
 DRAWN BY: T.L. HARDY
 CHECKED BY: C.E. PERSONS

20608C - LAKE TOWERS OF MISSISSIPPI II, LLC
 DATE: 07-27-09
 DRAWN BY: T.L. HARDY
 CHECKED BY: C.E. PERSONS

20608C - LAKE TOWERS OF MISSISSIPPI II, LLC
 DATE: 07-27-09
 DRAWN BY: T.L. HARDY
 CHECKED BY: C.E. PERSONS

20608C - LAKE TOWERS OF MISSISSIPPI II, LLC
 DATE: 07-27-09
 DRAWN BY: T.L. HARDY
 CHECKED BY: C.E. PERSONS

ITEM	REVISIONS	BY	CHK. BY	DATE



TROY L. HARDY
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF MISSISSIPPI
 LICENSE NO. 13289

WIRING DIAGRAM
 20608C - LAKE
 LAKE, MISSISSIPPI
 TOWERS OF MISSISSIPPI II, LLC
 20608C.W1 AS NOTED W1

HARDY ENGINEERING, INC.
 ENGINEERING AND CONSULTING
 208 LINDEN STREET, P.O. BOX 708
 TRUSSVILLE, AL 35173
 PHONE: (205) 855-1427 FAX: (205) 661-9027

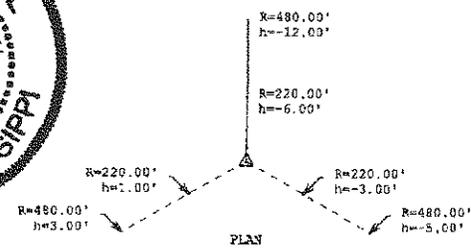
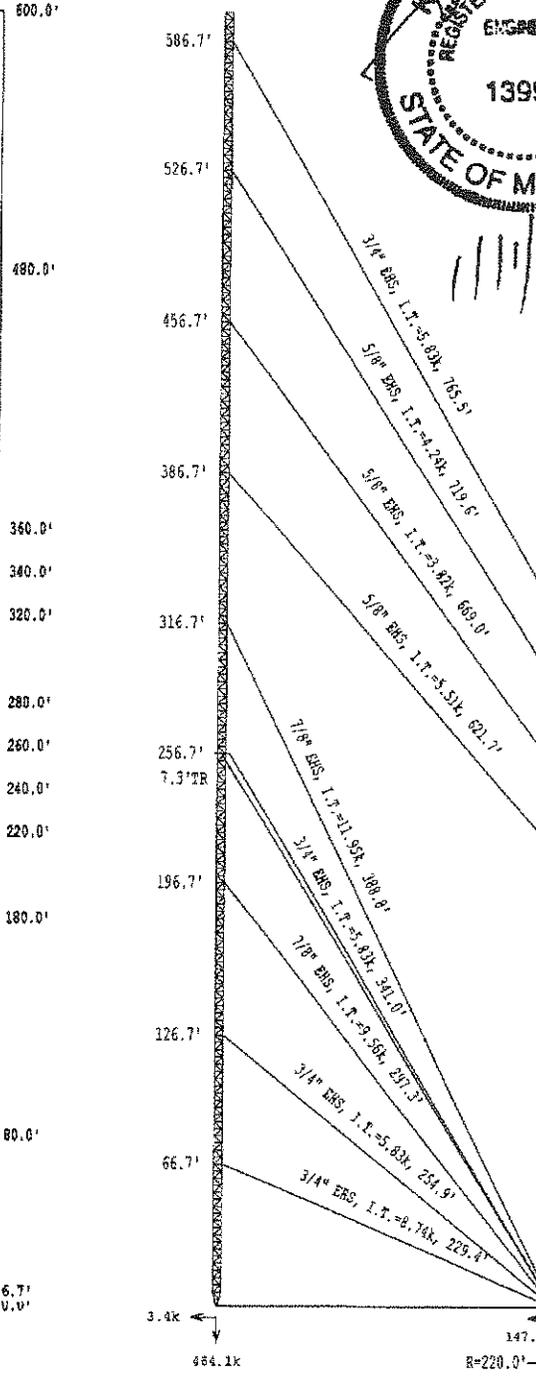
SHEET NO. 07-27-09
 DATE 07-27-09
 BY T.L. HARDY
 CHECKED BY

TOWERS OF MISSISSIPPI II, LLC
 31560 BARLEY WAY, SPANISH FORT, ALABAMA 36527

ITEM	REVISIONS	BY	CHK. BY	DATE



Leg	50 ksi	SR 2-3/4" Ø	SR 2-1/2" Ø	A	B	A	B	A	B	C	D	C	SR 2" Ø	SR 1-3/4" Ø
Diagonal	36 ksi													
Horizontal	36 ksi													
Brace Bolts	Welded sections													
Face Width	3.1" @ 0'													
Panel Height & Panels														



- NOTES:**
- The tower model is 4400SRWD.
 - Lines are to be attached as shown on the cross-section drawing.
 - Torque stabilizers consist of three (3) horizontal channels only. Tower horizontal members at torque stabilizer levels are to be 1" diameter.
 - Guy lengths shown are not cut lengths.
 - Azimuths are relative (not based on true north).
 - See the Guy Tensions, Anchor Loads and Base Loads page(s) for maximum foundation loads.
 - This tower was designed for Structure Class III, Exposure Category C and Topographic Category 1.
 - Use 2" diameter (Fy=50ksi) outer anchor rods.
 - Use 2.75" diameter (Fy=50ksi) inner anchor rods.

ANTENNA LIST

NO	ELEV	ANTENNA	TX-LINE
1	606'	(6) BCD-7508	
2	605'	(1) Ext. LR	
3	600'	(1) 3T-Boom(R)	(6) 1 5/8
4	576'	(6) BCD-7508	
5	570'	(1) 3T-Boom(R)	(6) 7/8
6	570'	(6) TMA	(6) 1/2
7	350'	(12) SA14-105 + 3T-Boom(R)	(12) 1 5/8
8	325'	(2) 6' Solid Dish w/ Radome	(2) EW63
9	300'	(12) SA14-105 + 3T-Boom(R)	(12) 1 5/8
10	285'	(2) 6' Solid Dish w/ Radome	(2) EW63
11	250'	(2) 8' Solid Dish w/ Radome	(2) EW63
12	230'	(12) SA14-105 + 3T-Boom(R)	(12) 1 5/8
13	210'	(2) 6' Solid Dish w/ Radome	(2) EW63
14	150'	(2) 6' Solid Dish w/ Radome	(2) EW63
15	115'	(2) 6' Solid Dish w/ Radome	(2) EW63
16	50'	(1) GPS Antenna + Flush Mount	(1) 1/2

MATERIAL LIST

NO	TYPE
A	SR 2-3/4" Ø
B	SR 2-1/2" Ø
C	SR 2-1/4" Ø
D	SR 2" Ø

Elevation view of 60 deg. face & 0 - 120 deg. guy lines

Sabre Towers And Poles

2101 Murray Street (P.O. Box 658), Sioux City, IA 51111

Phone: (712) 258-6690 Fax: (712) 258-8250

Client: TOWERS OF MISSISSIPPI Job No: 10-01039 Date: 8 Jan 2010

Location: 20608 Lake, MS Total Height: 600.00' Tower Height: 600.00'

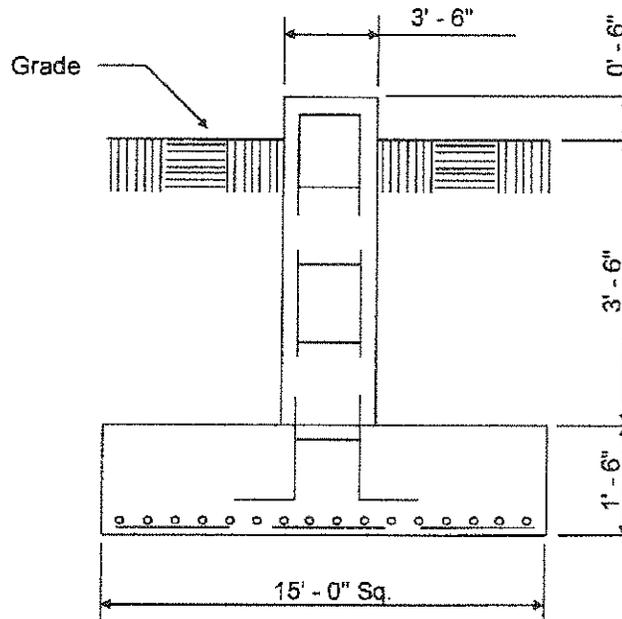
Standard: TIA 222-G-2005 Design Wind & Ice: 95mph 0" ice & 30mph 0.25" ice



No.: 10-01039
 Page: 3
 Date: 1/11/2010
 By: REB

Customer: TOWERS OF MISSISSIPPI
Site: 20608 Lake, MS

600 ft. Model 4400 SRWD Guyed Tower (44 in. face) At
 90 mph Wind with no ice and 30 mph wind with 0.25 in. Ice per ANSI/TIA-222-G-2005.
 Antenna Loading per Page 1



1/11/10

TOWER BASE
 (13.93 Cu. Yds. Each)
 (NOT TO SCALE)

Rebar Schedule	
PIER	(12) #7 vertical rebar w/ #3 ties @12" spacing
PAD	(16) #7 horizontal rebar Ea. Way Evenly Spaced Bottom Only

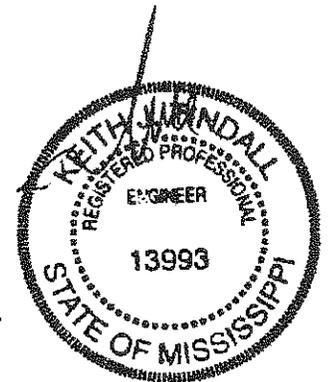
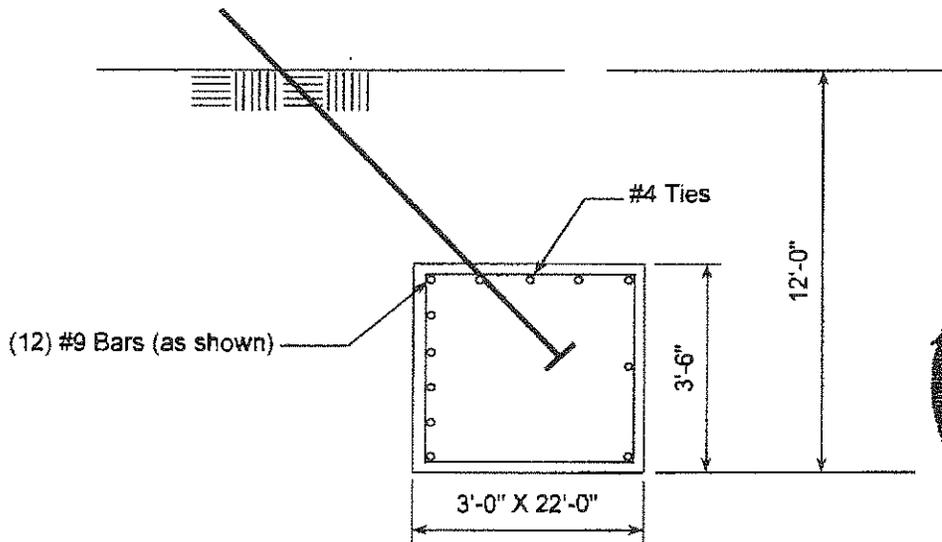
NOTES

- 1.) Concrete shall have a minimum 28 day compressive strength of 3000 PSI, in accordance with ACI 318-05.
- 2.) Rebar to conform to ASTM specification A615 Grade 60.
- 3.) All rebar to have a minimum of 3" concrete cover.
- 4.) All exposed concrete corners to be chamfered 3/4".
- 5.) The foundation design is based on the geotechnical report by W Geotechnical and Testing, Inc. project no. G-6116V, dated: 8/7/09
- 6.) The foundation design is based on the following factored reactions:
 Factored Axial load = 464.12
 Factored Shear = 3.4
- 7.) See the geotechnical report for over-excavation, fill, and compaction requirements.

Information contained herein is the sole property of Sabre Towers & Poles, constitutes a trade secret as defined by Iowa Code Ch. 550 and shall not be reproduced, copied or used in whole or part for any purpose whatsoever without the prior written consent of Sabre Towers & Poles

Customer: TOWERS OF MISSISSIPPI
Site: 20608 Lake, MS

600 ft. Model 4400 SRWD Guyed Tower (44 in. face) At
 90 mph Wind with no ice and 30 mph wind with 0.25 in. ice per ANSI/TIA-222-G-2005.
 Antenna Loading per Page 1



INNER GUY ANCHOR
 (8.56 Cu. Yds. Concrete)
 (3 REQUIRED; NOT TO SCALE)

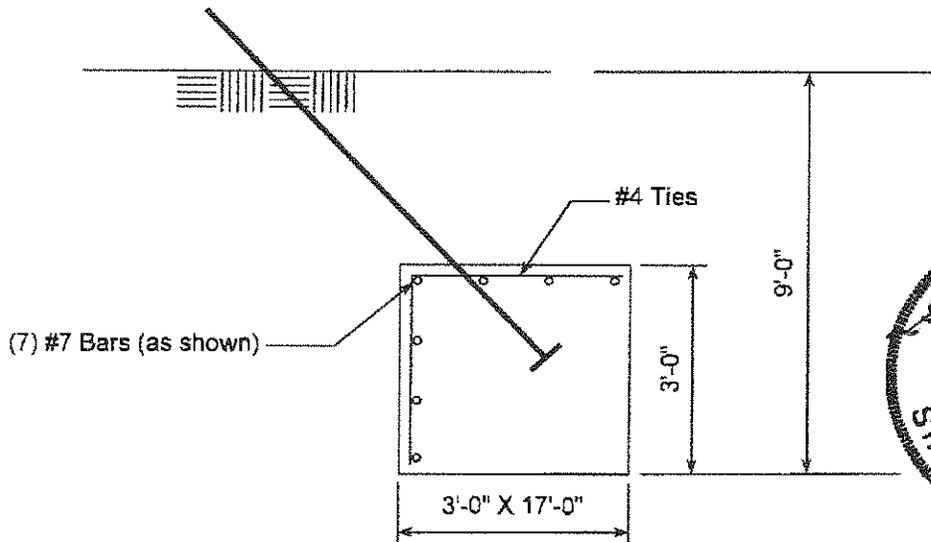
Rebar Schedule Per Anchor	
GUY	(12) #9 horizontal rebar X 21'-6"
ANCHOR	(23) #4 ties evenly spaced

NOTES

- Concrete shall have a minimum 28 day compressive strength of 3000 PSI, in accordance with ACI 318-05.
- Rebar to conform to ASTM specification A615 Grade 60.
- All rebar to have a minimum of 3" concrete cover.
- The foundation design is based on the geotechnical report by W Geotechnical and Testing, Inc. project no. G-6116V, dated: 8/7/09
- The foundation design is based on the following factored reactions:
 Uplift = 134.24
 Horizontal force = 150.45
- When the soil electrical resistivity is less than 50 ohm-m and/or the measured soil pH values are below 3 or greater than 9, additional corrosion control is required. See the geotechnical report for these parameters and compaction requirements, if specified.

Customer: TOWERS OF MISSISSIPPI
Site: 20608 Lake, MS

600 ft. Model 4400 SRWD Guyed Tower (44 in. face) At
 90 mph Wind with no ice and 30 mph wind with 0.25 in. Ice per ANSI/TIA-222-G-2005.
 Antenna Loading per Page 1



OUTER GUY ANCHOR
 (5.67 Cu. Yds. Concrete)
 (3 REQUIRED; NOT TO SCALE)

Rebar Schedule Per Anchor	
GUY	(7) #7 horizontal rebar X 16'-6"
ANCHOR	(18) #4 ties evenly spaced

NOTES

- 1.) Concrete shall have a minimum 28 day compressive strength of 3000 PSI, in accordance with ACI 318-05.
- 2.) Rebar to conform to ASTM specification A615 Grade 60.
- 3.) All rebar to have a minimum of 3" concrete cover.
- 4.) The foundation design is based on the geotechnical report by W Geotechnical and Testing, Inc. project no. G-6116V, dated: 8/7/09
- 5.) The foundation design is based on the following factored reactions:
 Uplift = 70.27
 Horizontal force = 74.42
- 6.) When the soil electrical resistivity is less than 50 ohm-m and/or the measured soil pH values are below 3 or greater than 9, additional corrosion control is required. See the geotechnical report for these parameters and compaction requirements, if specified.

Information contained herein is the sole property of Sabre Towers & Poles, constitutes a trade secret as defined by Iowa Code Ch. 550 and shall not be reproduced, copied or used in whole or part for any purpose whatsoever without the prior written consent of Sabre Towers & Poles

Appendix B

Home > Maps, Data, and Images > Maps > GIS Map

U.S. National Wilderness Preservation System Map

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

Print/View/Download:

Zoom: U.S. State Wilderness

On/Off: Wilderness Names

Key: BLM FWS FS NPS



Latitude/longitude: 31.0299897, -89.021530

Disclaimer: Wilderness.net's GIS-based map overlays wilderness boundaries on satellite data provided by Google Maps. Boundary updates are obtained from the wilderness management agencies. Boundary names containing "(Draft boundary)" have not been finalized and are not official. Different wildernesses treat inholdings differently, so you should consult agency-specific maps to identify the exact location of private inholdings within wilderness. Wilderness.net manages this map as a service to Internet users of digital

geographic data. Wilderness.net is in no way condoning or endorsing the application of these data for any given purpose. It is the sole responsibility of the user to determine whether or not the data are suitable for the intended purpose. It is also the obligation of the user to apply those data in an appropriate and conscientious manner. Although Wilderness.net attempts to use the most current and complete geospatial data available, accuracy varies. Wilderness.net provides no warranty, nor accepts any liability occurring from any incorrect, incomplete, or misleading data, or from any incorrect, incomplete, or misleading use of these data.

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

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



Feedback Analytics

Black Creek Wilderness Fact Sheet

General

The United States Congress designated the Black Creek Wilderness in 1984 and it now has a total of 5,052 acres. All of the wilderness is in Mississippi and is managed by the Forest Service.

The Black Creek Wilderness is located in the gulf coastal plains of southern Mississippi. Most of this Wilderness, the state's largest, lies in the broad valley of Black Creek, stained a deep caramel color by the tannic acid of decaying vegetation. The creek is Mississippi's only designated Wild and Scenic River (for 21 miles) with the emphasis exclusively on scenic. It bisects the Wilderness, creating a hardwood floodplain of oxbow lakes and thick stands of sweet gum, sweet bay, red maple, oak, pine, and bald cypress. The 5- to 20-foot banks offer plenty of white sandbars suitable for camping or a picnic. You may want to float the meandering creek leisurely paddling your canoe. If the water level is running low, keep an eye out for logs.

The Black Creek National Recreation Trail (open only to foot traffic) runs about 41 miles along the drainage of Black Creek, with about 10 miles within the Wilderness. Here you'll be on a part of the Lower Coastal Plain: piney woods growing over low rolling hills with a few moderate ridges. The relatively flat terrain rises 100 feet on Black Creek itself to only 270 feet on nearby uplands.

Bass and panfish attract anglers, and hunters come in their season, mostly for deer. On many days you'll see no evidence that a human has ever stepped foot in the Wilderness or dipped a canoe paddle into Black Creek.

Area Management

The Black Creek Wilderness is part of the 109 million acre National Wilderness Preservation System. This System of lands provides clean air, water, and habitat critical for rare and endangered plants and animals. In wilderness, you can enjoy challenging recreational activities like hiking, backpacking, climbing, kayaking, canoeing, rafting, horse packing, bird watching, stargazing, and extraordinary opportunities for solitude. You play an important role in helping to *"secure for the American people of present and future generations the benefits of an enduring resource of wilderness"* as called for by the Congress of the United States through the Wilderness Act of 1964. Please follow the requirements outlined below and use Leave No Trace techniques when visiting the Black

Creek Wilderness to ensure protection of this unique area.

General Wilderness Prohibitions

Motorized equipment and equipment used for mechanical transport is generally prohibited on all federal lands designated as wilderness. This includes the use of motor vehicles, motorboats, motorized equipment, bicycles, hang gliders, wagons, carts, portage wheels, and the landing of aircraft including helicopters, unless provided for in specific legislation.

In a few areas some exceptions allowing the use of motorized equipment or mechanical transport are described in the special regulations in effect for a specific area. Contact the Forest Service office or visit the websites listed below for more specific information.

These general prohibitions have been implemented for all national forest wildernesses in order to implement the provisions of the Wilderness Act of 1964. The Wilderness Act requires management of human-caused impacts and protection of the area's wilderness character to insure that it is "unimpaired for the future use and enjoyment as wilderness." Use of the equipment listed as prohibited in wilderness is inconsistent with the provision in the Wilderness Act which mandates opportunities for solitude or primitive recreation and that wilderness is a place that is in contrast with areas where people and their works are dominant.

Wilderness-Specific Regulations

Wilderness managers often need to take action to limit the impacts caused by visitor activities in order to protect the natural conditions of wilderness as required by the Wilderness Act of 1964. Managers typically implement 'indirect' types of actions such as information and education measures before selecting more restrictive measures. When regulations are necessary, they are implemented with the specific intent of balancing the need to preserve the character of the wilderness while providing for the use and enjoyment of wilderness.

The following wilderness regulations are in effect for this area. Not all regulations are in effect for every wilderness. Contact the national forest office or visit the websites listed below for more specific information about the regulations listed.

- AREA CLOSURE

- THE FOLLOWING ACTS ARE PROHIBITED: 1. STORING EQUIPMENT, PERSONAL PROPERTY, OR SUPPLIES. 2. DISPOSING OF DEBRIS GARBAGE, OR OTHER WASTE. 3. POSSESSING OR USING A WAGON, CART, OR OTHER VEHICLE. 4. OPERATING AN INTERNAL COMBUSTION ENGINE, EXCEPT FOR OUTBOARD MOTORS IN BLACK CREEK RIVER. 5. POSSESSING, DISCHARGING, OR USING ANY TYPE FIREWORKS OR OTHER PYROTECHNIC DEVICE. VIOLATION OF THIS PROHIBITION IS PUNISHABLE BY A FINE OF NOT MORE THAN \$5,000 OR IMPRISONMENT FOR NOT MORE THAN SIX MONTHS OR BOTH.
- MAXIMUM LENGTH OF STAY : 30 DAYS
 - CAMPING FOR A PERIOD LONGER THAN THIRTY (30) CONSECUTIVE DAYS ON ALL FOREST SERVICE LANDS IN MISSISSIPPI WITH THE EXCEPTION OF DEVELOPED RECREATION AREAS IS PROHIBITED. VIOLATION OF THIS PROHIBITION IS PUNISHABLE BY A FINE OF NOT MORE THAN \$5,000 OR IMPRISONMENT FOR NOT MORE THAN SIX MONTHS OR BOTH.

Contacts

De Soto Ranger District
PO BOX 248
654 WEST FRONTAGE ROAD
WIGGINS, MS 39577

Phone: 601-928-6160

Restrictions: Office hours are from 7:30 AM to 4:00 PM, Monday through Friday, except federal holidays.

Links to Other Websites

<http://www.southernregion.fs.fed.us/mississippi/desoto/> -- De Soto Ranger District Website - National Forests in Mississippi

Links on Wilderness.net

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=links&WLCID=7#results> -- National, Regional and Local Wilderness Organizations (NGOs)

A listing of societies, organizations, coalitions and other wilderness-related advocacy and stewardship groups.

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=links&WLCID=11#results> -- Career and Volunteer Opportunities

A listing of sites providing information about wilderness- and environmentally-related career and volunteer opportunities.

Things to Consider When Planning a Trip to Wilderness

- Plan Ahead and Prepare
 - Know the regulations and special concerns for the area you'll visit.
 - Prepare for extreme weather, hazards, and emergencies.
 - Schedule your trip to avoid times of high use.
 - Visit in small groups. Split larger parties into groups of 4-6.
 - Repackage food to minimize waste.
 - Use a map and compass to eliminate the use of marking paint, rock cairns or flagging.
- Travel and Camp on Durable Surfaces
 - Durable surfaces include established trails and campsites, rock, gravel, dry grasses or snow.
 - Protect riparian areas by camping at least 200 feet from lakes and streams.
 - Good campsites are found, not made. Altering a site is not necessary.
 - In popular areas:
 - Concentrate use on existing trails and campsites.
 - Walk single file in the middle of the trail, even when wet or muddy.
 - Keep campsites small. Focus activity in areas where vegetation is absent.
 - In pristine areas:
 - Disperse use to prevent the creation of campsites and trails.
 - Avoid places where impacts are just beginning.
- Dispose of Waste Properly
 - Pack it in, pack it out. Inspect your campsite and rest areas for trash or spilled foods. Pack out all trash, leftover food, and litter.
 - Deposit solid human waste in catholes dug 6 to 8 inches deep at least 200 feet from water, camp, and trails. Cover and disguise the cathole when finished.
 - Pack out toilet paper and hygiene products.
 - To wash yourself or your dishes, carry water 200 feet away from streams or lakes and use small amounts of biodegradable soap. Scatter strained dishwater.
- Leave What You Find
 - Preserve the past: examine, but do not touch, cultural or historic structures and artifacts.
 - Leave rocks, plants and other natural objects as you find them.
 - Avoid introducing or transporting non-native species.
 - Do not build structures, furniture, or dig trenches.
- Minimize Campfire Impacts
 - Campfires can cause lasting impacts to the backcountry. Use a lightweight stove for

cooking and enjoy a candle lantern for light.

- Where fires are permitted, use established fire rings, fire pans, or mound fires.
- Keep fires small. Only use sticks from the ground that can be broken by hand.
- Burn all wood and coals to ash, put out campfires completely, then scatter cool ashes.
- **Respect Wildlife**
 - Observe wildlife from a distance. Do not follow or approach them.
 - Never feed animals. Feeding wildlife damages their health, alters natural behaviors, and exposes them to predators and other dangers.
 - Protect wildlife and your food by storing rations and trash securely.
 - Control pets at all times, or leave them at home.
 - Avoid wildlife during sensitive times: mating, nesting, raising young, or winter.
- **Be Considerate of Other Visitors**
 - Respect other visitors and protect the quality of their experience.
 - Be courteous. Yield to other users on the trail.
 - Step to the downhill side of the trail when encountering pack stock.
 - Take breaks and camp away from trails and other visitors.
 - Let nature's sounds prevail. Avoid loud voices and noises.

The source for the above information is the Leave No Trace: Center for Outdoor Ethics. For more detailed information on the seven principles of Leave No Trace and suggestions you can use to help plan a trip to wilderness, visit the following address: <http://www.lnt.org/programs/lnt7/index.html>.

General Equipment List

The following is a general list of the types of equipment recommended for backcountry travel. You will want to modify this list accordingly for the climate in which you will be traveling. For example, if you are traveling in cold, high-mountain country you will may want to pack additional cold-weather clothing or mountaineering gear. Additionally, if you plan hunt, fish, canoe etc. in wilderness, you will want to pack additional gear needed for such activities.

- Tent
- Sleeping bag with stuff sack
- Backpack
- Clothing
 - Hiking boots (broken in and waterproofed)

- Socks (wool and liner)
- Jacket/sweater
- Rain gear
- Hat and/or stocking cap
- Shirts (long- and short-sleeve), pants, shorts (pack according to the climate you will be travelling in)
- Cook stove with extra fuel bottle
- Cook pans
- Waterproof matches or lighter
- Bear canister (if travelling in bear country)
- Rope (long enough to hang food, if necessary)
- Cup, bowl, spoon, fork, knife (sharpened)
- Water bottles or canteens
- Water filter or water treatment kit
- Garbage bags, ziplock-type bags (for packing out waste and repackaging food)
- Sun glasses
- Mosquito repellent, chapstick, sun screen
- Toilet paper (in plastic bag with additional plastic bag for packing out used paper)
- Flashlight or headlamp (with extra batteries and bulb), candle lantern
- Toiletries (toothbrush/paste, personal medications etc.)
- First-aid kit, emergency survival blanket
- Repair kits for your stove, tent, backpack, hiking boots etc.
- Camera, binoculars
- Maps, compass, field guide, guidebook

The above information was obtained from the following URL and is current as of 2/26/10:

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=wildView&WID=54>



Feedback Analytics

▼ Aleutian Islands Wilderness, Alaska

Visit our mobile website: <http://m.wilderness.net>

Keywords:



- About Wilderness
- Wilderness Stewardship
- Tools for Managers
- Research
- Education
- Find a Wilderness
- ▼ Maps, Data and Images

Home > Maps, Data, and Images > Maps > GIS Map

U.S. National Wilderness Preservation System Map Text size: [A](#) | [A](#) | [A](#) [Print]

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

Print/View/Download:

Zoom: U.S. Wilderness

On/Off: Wilderness Names

Key: BLM FWS FS NPS



Latitude/longitude: 31.0410213, -88.797169

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

On 3/30/09 President Obama signed the Omnibus Public Land Management Act of 2009 (Public law 111-11) into law. This law designated 52 new wilderness areas and added acreage to 26 existing areas, a total addition to the NWPS of over 2 million acres. All these new areas

are now pictured on Wilderness.net's maps. You can also view a list of all areas affected by Public Law 111-11 with links to more information about them.

Maps of the National Wilderness Preservation System have been produced for many years. Read about the history of wilderness mapping.

About Us  | Site Map | Contact Us | Wilderness.net policies



Feedback Analytics

Leaf Wilderness Fact Sheet

General

The United States Congress designated the Leaf Wilderness in 1984 and it now has a total of 994 acres. All of the wilderness is in Mississippi and is managed by the Forest Service.

South Mississippi's tiny Leaf Wilderness lies almost entirely on the floodplain of the east-flowing Leaf River, just north of Black Creek Wilderness. Except for a little western upland, the entire Wilderness consists of meandering sloughs, oxbow lakes, and level terrain of spruce-pine forest or oak-gum-cypress river bottom. Loblolly and shortleaf pines shade the upland, with a dense understory of dogwood, redbud, persimmon, blueberries, and honeysuckle. The only threatening shrub is poison oak, which always seems to find a way to make contact with exposed skin. The 1.5 mile Leaf Trail, one of two main attractions in the area, crosses the Wilderness and three bridges and a boardwalk to access this piece of Mississippi, where camping is unrestricted. The other attraction is wildlife, including white-tailed deer and wild turkeys, which bring in hunters during the fall months.

Area Management

The Leaf Wilderness is part of the 109 million acre National Wilderness Preservation System. This System of lands provides clean air, water, and habitat critical for rare and endangered plants and animals. In wilderness, you can enjoy challenging recreational activities like hiking, backpacking, climbing, kayaking, canoeing, rafting, horse packing, bird watching, stargazing, and extraordinary opportunities for solitude. You play an important role in helping to *"secure for the American people of present and future generations the benefits of an enduring resource of wilderness"* as called for by the Congress of the United States through the Wilderness Act of 1964. Please follow the requirements outlined below and use Leave No Trace techniques when visiting the Leaf Wilderness to ensure protection of this unique area.

General Wilderness Prohibitions

Motorized equipment and equipment used for mechanical transport is generally prohibited on all federal lands designated as wilderness. This includes the use of motor vehicles, motorboats, motorized equipment, bicycles, hang gliders, wagons, carts, portage wheels, and the landing of aircraft including helicopters, unless provided for in

specific legislation.

In a few areas some exceptions allowing the use of motorized equipment or mechanical transport are described in the special regulations in effect for a specific area. Contact the Forest Service office or visit the websites listed below for more specific information.

These general prohibitions have been implemented for all national forest wildernesses in order to implement the provisions of the Wilderness Act of 1964. The Wilderness Act requires management of human-caused impacts and protection of the area's wilderness character to insure that it is "unimpaired for the future use and enjoyment as wilderness." Use of the equipment listed as prohibited in wilderness is inconsistent with the provision in the Wilderness Act which mandates opportunities for solitude or primitive recreation and that wilderness is a place that is in contrast with areas where people and their works are dominant.

Wilderness-Specific Regulations

Wilderness managers often need to take action to limit the impacts caused by visitor activities in order to protect the natural conditions of wilderness as required by the Wilderness Act of 1964. Managers typically implement 'indirect' types of actions such as information and education measures before selecting more restrictive measures. When regulations are necessary, they are implemented with the specific intent of balancing the need to preserve the character of the wilderness while providing for the use and enjoyment of wilderness.

The following wilderness regulations are in effect for this area. Not all regulations are in effect for every wilderness. Contact the national forest office or visit the websites listed below for more specific information about the regulations listed.

- CACHING OF EQUIPMENT PROHIBITED
- DISPOSING OF DEBRIS, GARBAGE PROHIBITED
- FIREWORKS PROHIBITED
 - POSSESSING, DISCHARGING, OR USING ANY TYPE FIREWORKS OR OTHER PYROTECHNIC DEVICE IS PROHIBITED.
- MAXIMUM LENGTH OF STAY : 30 DAYS
 - CAMPING IS PROHIBITED FOR A PERIOD OF LONGER THAN THIRTY (30) CONSECUTIVE DAYS ON ALL FOREST SERVICE LANDS IN MISSISSIPPI WITH THE EXCEPTION OF DEVELOPED RECREATION AREAS UNTIL FURTHER NOTICE. VIOLATION OF THIS

PROHIBITION IS PUNISHABLE BY A FINE OF NOT MORE THAN \$5,000 OR IMPRISONMENT FOR NOT MORE THAN SIX MONTHS OR BOTH.

- MECHANICAL PROPULSION DEVICES PROHIBITED
 - OPERATING AN INTERNAL COMBUSTION ENGINE, EXCEPT FOR OUTBOARD MOTORS IN THE BLACK CREEK RIVER.
- WAGON, WHEELBARROW, STROLLER, BICYCLE, GAME CART OR OTHER VEHICLE PROHIBITED (WHEELCHAIRS ALLOWED)

Contacts

De Soto Ranger District
PO BOX 248
654 WEST FRONTAGE ROAD
WIGGINS, MS 39577

Phone: 601-928-6160

Restrictions: Office hours are from 7:30 AM to 4:00 PM, Monday through Friday, except federal holidays.

Links to Other Websites

<http://www.southernregion.fs.fed.us/mississippi/desoto/> -- De Soto Ranger District Website - National Forests in Mississippi

Links on Wilderness.net

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=links&WLCID=7#results> -- National, Regional and Local Wilderness Organizations (NGOs)
A listing of societies, organizations, coalitions and other wilderness-related advocacy and stewardship groups.

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=links&WLCID=11#results> -- Career and Volunteer Opportunities
A listing of sites providing information about wilderness- and environmentally-related career and volunteer opportunities.

Things to Consider When Planning a Trip to Wilderness

- Plan Ahead and Prepare
 - Know the regulations and special concerns for the area you'll visit.
 - Prepare for extreme weather, hazards, and emergencies.
 - Schedule your trip to avoid times of high use.

- Visit in small groups. Split larger parties into groups of 4-6.
- Repackage food to minimize waste.
- Use a map and compass to eliminate the use of marking paint, rock cairns or flagging.
- Travel and Camp on Durable Surfaces
 - Durable surfaces include established trails and campsites, rock, gravel, dry grasses or snow.
 - Protect riparian areas by camping at least 200 feet from lakes and streams.
 - Good campsites are found, not made. Altering a site is not necessary.
 - In popular areas:
 - Concentrate use on existing trails and campsites.
 - Walk single file in the middle of the trail, even when wet or muddy.
 - Keep campsites small. Focus activity in areas where vegetation is absent.
 - In pristine areas:
 - Disperse use to prevent the creation of campsites and trails.
 - Avoid places where impacts are just beginning.
- Dispose of Waste Properly
 - Pack it in, pack it out. Inspect your campsite and rest areas for trash or spilled foods. Pack out all trash, leftover food, and litter.
 - Deposit solid human waste in catholes dug 6 to 8 inches deep at least 200 feet from water, camp, and trails. Cover and disguise the cathole when finished.
 - Pack out toilet paper and hygiene products.
 - To wash yourself or your dishes, carry water 200 feet away from streams or lakes and use small amounts of biodegradable soap. Scatter strained dishwater.
- Leave What You Find
 - Preserve the past: examine, but do not touch, cultural or historic structures and artifacts.
 - Leave rocks, plants and other natural objects as you find them.
 - Avoid introducing or transporting non-native species.
 - Do not build structures, furniture, or dig trenches.
- Minimize Campfire Impacts
 - Campfires can cause lasting impacts to the backcountry. Use a lightweight stove for cooking and enjoy a candle lantern for light.
 - Where fires are permitted, use established fire rings, fire pans, or mound fires.
 - Keep fires small. Only use sticks from the ground that can be broken by hand.
 - Burn all wood and coals to ash, put out campfires completely, then scatter cool ashes.
- Respect Wildlife

- Observe wildlife from a distance. Do not follow or approach them.
- Never feed animals. Feeding wildlife damages their health, alters natural behaviors, and exposes them to predators and other dangers.
- Protect wildlife and your food by storing rations and trash securely.
- Control pets at all times, or leave them at home.
- Avoid wildlife during sensitive times: mating, nesting, raising young, or winter.
- Be Considerate of Other Visitors
 - Respect other visitors and protect the quality of their experience.
 - Be courteous. Yield to other users on the trail.
 - Step to the downhill side of the trail when encountering pack stock.
 - Take breaks and camp away from trails and other visitors.
 - Let nature's sounds prevail. Avoid loud voices and noises.

The source for the above information is the Leave No Trace: Center for Outdoor Ethics. For more detailed information on the seven principles of Leave No Trace and suggestions you can use to help plan a trip to wilderness, visit the following address: <http://www.lnt.org/programs/lnt7/index.html>.

General Equipment List

The following is a general list of the types of equipment recommended for backcountry travel. You will want to modify this list accordingly for the climate in which you will be traveling. For example, if you are traveling in cold, high-mountain country you will may want to pack additional cold-weather clothing or mountaineering gear. Additionally, if you plan hunt, fish, canoe etc. in wilderness, you will want to pack additional gear needed for such activities.

- Tent
- Sleeping bag with stuff sack
- Backpack
- Clothing
 - Hiking boots (broken in and waterproofed)
 - Socks (wool and liner)
 - Jacket/sweater
 - Rain gear
 - Hat and/or stocking cap
 - Shirts (long- and short-sleeve), pants, shorts (pack according to the climate you will be travelling in)

- Cook stove with extra fuel bottle
- Cook pans
- Waterproof matches or lighter
- Bear canister (if travelling in bear country)
- Rope (long enough to hang food, if necessary)
- Cup, bowl, spoon, fork, knife (sharpened)
- Water bottles or canteens
- Water filter or water treatment kit
- Garbage bags, ziplock-type bags (for packing out waste and repackaging food)
- Sun glasses
- Mosquito repellent, chapstick, sun screen
- Toilet paper (in plastic bag with additional plastic bag for packing out used paper)
- Flashlight or headlamp (with extra batteries and bulb), candle lantern
- Toiletries (toothbrush/paste, personal medications etc.)
- First-aid kit, emergency survival blanket
- Repair kits for your stove, tent, backpack, hiking boots etc.
- Camera, binoculars
- Maps, compass, field guide, guidebook

The above information was obtained from the following URL and is current as of 2/26/10:

<http://www.wilderness.net/index.cfm?fuse=NWPS&sec=wildView&WID=314>



Feedback Analytics

Appendix C



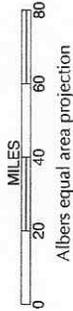
nationalatlas.gov
Where We Are

MISSISSIPPI

FEDERAL LANDS AND INDIAN RESERVATIONS

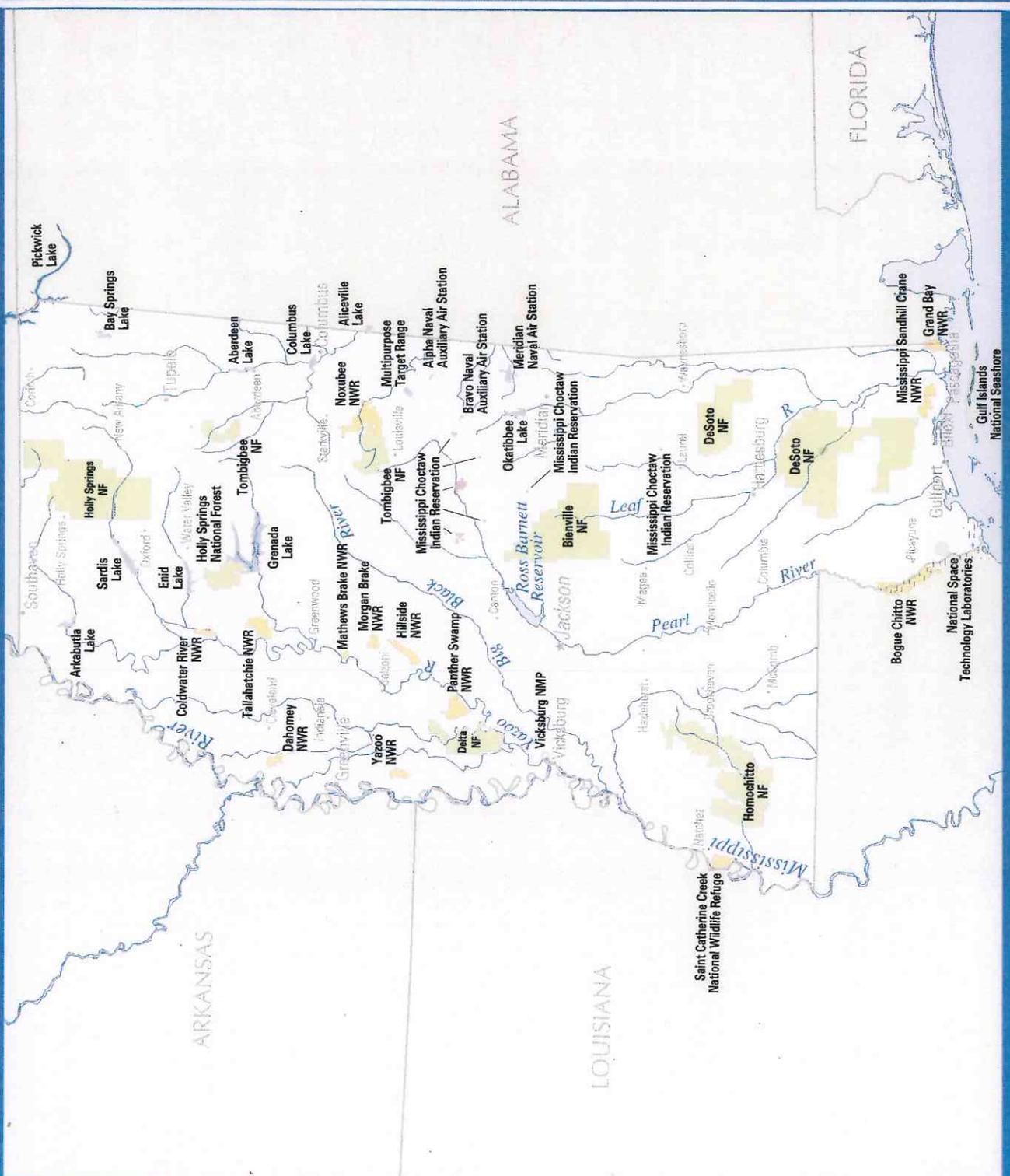
-  Bureau of Indian Affairs
-  Department of Defense (includes Army Corps of Engineers lakes)
-  Fish and Wildlife Service / Wilderness
-  Forest Service / Wilderness
-  National Aeronautics and Space Administration
-  National Park Service / Wilderness
-  Tennessee Valley Authority

Some small sites are not shown, especially in urban areas.



Abbreviations

- NF National Forest
- NMP National Military Park
- NWR National Wildlife Refuge



The National Atlas of the United States of America®

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

Southeast Region

Conserving the Nature of America

- [Refuge Finder](#)
- [Service Finder](#)
- [Office Finder](#)
- [Contact Finder](#)

- [About Southeast Region](#)
- [Climate Change in the SE](#)
- [Connecting People with Nature:](#)
 - [Lets Go Outside](#)
 - [Educators](#)
 - [Southeast Kids](#)
 - [Reference and Research](#)
 - [Publications](#)
 - [Southeastern Currents](#)
- [Fish & Wildlife](#)
 - [Ecological Services](#)
 - [Contaminants](#)
 - [Coastal Program](#)
 - [Partners for FWS](#)
 - [T & E](#)
 - [Species: Achieving Recovery and Preventing Extinction](#)
 - [Recovery Program](#)
 - [Aquatic Resources: National Fish Habitat Action Plan](#)
 - [Migratory Birds: Conservation & Management](#)
- [Get Involved](#)
 - [Business Opportunities](#)
 - [Friends](#)
 - [Jobs](#)
 - [Volunteer](#)
- [NWRS: Conserving Our Lands & Resources](#)
 - [National Wildlife Refuges](#)
 - [Invasive Species](#)
- [Landscape Conservation:](#)

Map of Mississippi



National Wildlife Refuges

- [Bogue Chitto NWR](#)
- [Dahomey NWR](#)
- [Grand Bay NWR](#)
- [Hillside NWR](#)
- [Holt Collier NWR](#)
- [Mathews Brake NWR](#)
- [MS Sandhill Crane NWR](#)
- [Morgan Brake NWR](#)
- [Noxubee NWR](#)
- [Panther Swamp NWR](#)

Appendix D



ENVIRONMENTAL ENGINEERS, INC.

11578 US Highway 411, Odenville, Alabama 35120

Environmental and Geological Consultants

July 8, 2009

Mr. Ray Aycock
United States Fish and Wildlife Service
6578 Dogwood View Parkway
Jackson, Mississippi 39213

Subject:
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Mr. Aycock:

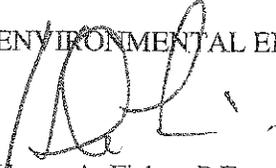
Environmental Engineers, Inc. is requesting comment from the U.S. Fish and Wildlife Service on behalf of the Towers of Mississippi and the State of Mississippi regarding impact to threatened or endangered species by construction of a wireless communications tower in Scott County, Mississippi.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," dated 1970. The site is located in the northeast $\frac{1}{4}$ of the southwest $\frac{1}{4}$ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude $32^{\circ}18'4.406''$ north and $89^{\circ}20'50.538''$ west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off of Mudline Road near Lake, Mississippi 39092. The site is partially wooded with hardwood and pine trees up to eight inches in diameter at breast height. Portions of the site have been subject to timber cutting activities and large ruts were noted on part of the site. The southeast guy easement is located in an area that has recently been clear-cut and portions of the western guy easement have also been clear-cut. The northwest guy easement is wooded. Approximately half of the proposed site access road follows a dirt drive that appears to have been used for access during logging activities. The remainder of the proposed access road is wooded or clear-cut. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. I have included photographs of the site for your review.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0903) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please call us at (205) 629-3868 if you have any questions or comments.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.


Henry A. Fisher, P.E.
Principal Engineer

Attachments: Site Location Map, Site Photographs

Phone: (205) 629-3868 • Fax: (877) 847-3060

7007 2680 0002 3655 7114

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only. No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	7/8/09 Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.15	JSEW 1A1909

Sent To: Mr. Ray Aycock
 Street, Apt. No., or PO Box No.
 City, State, ZIP+4

U.S. Form 3811, August 2004 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery 7/13/09</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below: _____</p>
<p>1. Article Addressed to:</p> <p>Mr. Ray Aycock USF+WS 6578 Dogwood View Avey Jackson, MS 39213</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
7007 2680 0002 3655 7114	



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mississippi Field Office
6578 Dogwood View Parkway, Suite A
Jackson, MS 39213



July 20, 2009

ENVIRONMENTAL ENGINEERS

Mr. Henry Fisher
Environmental Engineers, Inc.
11578 US Highway 411
Odenville, Alabama 35120

JUL 23 2009
RECEIVED

RE: Proposed Tower in Scott County, Mississippi. Project No: JSE01P0909

Dear Mr. Fisher:

The U.S. Fish and Wildlife Service (Service) received your letter dated July 8, 2009, regarding construction of a new telecommunication tower near Lake, Mississippi. The proposal is for a 650-foot guyed wire telecommunications tower and equipment compound within a 100-foot by 100-foot leased compound area and three guy wire anchors. Access to the tower site is located off of Mudline Road. Our comments are submitted in accordance with the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and the Migratory Bird Treaty Act (16 U.S.C. 703-711).

There are two federally listed terrestrial species for Scott County, the threatened Louisiana black bear (*Ursus americanus leteolus*) and Red-cockaded woodpecker (*Picoides borealis*). After reviewing the information and photographs provided in you letter the habitat appears marginal for black bear and since this project has a relatively small project footprint, it is unlikely that this listed species inhabits the project site and since this project has been logged in the past and has no large diameter pine trees suitable for the woodpecker, it is unlikely that this listed species inhabits the project site. Therefore, the Service anticipates no impacts to these listed species to occur as a result of the proposed project. However, due to the adverse impact these towers can have on migratory birds, we would like to make several recommendations which can be found in the attached guidelines document.

If project plans change or if new information about listed species becomes available, consultation should be reinitiated. If you have any questions, please feel free to contact this office, telephone: (601) 321-1129.

Sincerely,

Terri Jacobson
Fish and Wildlife Biologist

Appendix E

U.S. Fish and Wildlife Service Tower Guidance

Due to the adverse impact telecommunications towers can have on migratory birds, we would like to make the following recommendations:

1. Co-locate communications equipment on an existing communication tower or other structure (e.g., billboard, water tower, or building mount). Depending on tower load factors, from 6 to 10 providers may collocate on an existing tower.
2. If co-location is not feasible and a new tower or towers are to be constructed, towers should be no more than 199 feet above ground level (AGL), use construction techniques which do not require guy wires (e.g., use a lattice structure, monopole, etc.). Towers should be unlighted if Federal Aviation Administration regulations permit.
3. If constructing multiple towers, consider the cumulative impacts of all towers to migratory birds and threatened and endangered species as well as the impacts of each individual tower.
4. If at all possible, new towers should be sited within existing "antenna farms" (clusters of towers). Towers should not be sited in or near wetlands, other known bird concentration areas (e.g., state or Federal refuges, staging areas, rookeries), in known migratory or daily movement flyways, or in habitat of threatened or endangered species. Towers should not be sited in areas with a high incidence of fog, mist, and low ceilings.
5. If taller (>199 feet AGL) towers requiring lights for aviation safety must be constructed, the minimum amount of pilot warning and obstruction avoidance lighting required by the FAA should be used. Unless otherwise required by the FAA, only white (preferable) or red strobe lights should be used at night, and these should be the minimum number, minimum intensity, and minimum number of flashes per minute (longest duration between flashes) allowable by the FAA. The use of solid red or pulsating red warning lights at night should be avoided. Current research indicates that solid or pulsating (beacon) red lights attract night-migrating birds at a much higher rate than white strobe lights. Red strobe lights have not yet been studied.
6. Tower designs using guy wires for support which are proposed to be located in known raptor or waterbird concentration areas or daily movement routes, or in major diurnal migratory bird movement routes or stopover sites, should have daytime visual markers on the wires to prevent collisions by these diurnally moving species. (For guidance on markers, see *Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006* - a profile of the research and safeguards available to remedy the issue of avian electrocutions. Copies can be obtained from Edison Electric Institute by calling 1-800-334-5453 or via the Internet at http://www.eei.org/products_and_services/descriptions_and_access/index.htm.)

7. Towers and appendant facilities should be sited, designed and constructed so as to avoid or minimize habitat loss within and adjacent to the tower "footprint". However, a larger tower footprint is preferable to the use of guy wires in construction. Road access and fencing should be minimized to reduce or prevent habitat fragmentation and disturbance, and to reduce above ground obstacles to birds in flight.
8. If significant numbers of breeding, feeding, or roosting birds are known to habitually use the proposed tower construction area, relocation to an alternate site is recommended.
9. In order to reduce the number of towers needed in the future, new towers should be designed structurally and electrically to accommodate comparable antennas for at least two additional users (minimum of three users for each tower structure), unless this design would require the addition of lights or guy wires to an otherwise unlighted and/or unguyed tower.
10. Security lighting for on-ground facilities and equipment should be down-shielded to keep light within the boundaries of the site.
11. Service personnel or researchers from the Communication Tower Working Group should be allowed, if asked, access to the site to evaluate bird use, conduct dead-bird searches, to place net catchments below the towers but above the ground, and to place radar, Global Positioning System, infrared, thermal imagery, and acoustical monitoring equipment as necessary to assess and verify bird movements and to gain information on the impacts of various tower sizes, configurations, and lighting systems.
12. Towers no longer in use or determined to be obsolete should be removed within twelve months of cessation of use.

These voluntary recommendations are based on the Service's Guidance on the Siting, Construction, Operation and Decommissioning of Communications Towers which can be found at <http://www.fws.gov/migratorybirds/issues/towers/comtow.html>.

In order to obtain information on the usefulness of these guidelines in preventing bird strikes, and to identify any recurring problems with their implementation which may necessitate modifications, please advise us of the final location and specifications of the proposed tower. In your response please explain which of the recommended measures were implemented and if the recommended measures could not be implemented, please explain why they were not feasible.

Appendix F

Henry Fisher

From: towernotifyinfo@fcc.gov
Sent: Monday, May 18, 2009 11:14 AM
To: towerinfo@envciv.com
Subject: Proposed Tower Structure Info - Email ID #2199889

Dear Henry A Fisher,

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: 05/18/2009

Notification ID: 51822

Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi

Consultant Name: Henry A Fisher

Street Address: 11578 U.S. Highway 411

City: Odenville

State: ALABAMA

Zip Code: 35120

Phone: 205-629-3868

Email: towerinfo@envciv.com

Structure Type: GTOWER - Guyed Tower

Latitude: 32 deg 18 min 4.4 sec N

Longitude: 89 deg 20 min 50.5 sec W

Location Description: off Mudline Road

City: Lake

State: MISSISSIPPI

County: SCOTT

Ground Elevation: 140.5 meters

Support Structure: 198.1 meters above ground level

Overall Structure: 198.1 meters above ground level

Overall Height AMSL: 338.6 meters above mean sea level

Henry Fisher

From: towernotifyinfo@fcc.gov
Sent: Friday, May 22, 2009 2:01 AM
To: towerinfo@envciv.com
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2201231

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. THPO Kenneth H Carleton - Mississippi Band of Choctaw Indians - Choctaw, MS - electronic mail

Exclusions: Please send all information via e-mail (and only via e-mail - no paper copies please) to: choctawhp@gmail.com (9 meg attachment limit)

The Mississippi Band of Choctaw Indians wishes to see full information packets for all towers within the designated areas for consultation.

Form 620, if it includes the a full text of the cultural resource survey with maps, is adequate for our needs. If your 620 does not include the text of the cultural resource survey, then attach it seperately.

Please include the tower identification (TCNS#, name, and any other information that may help us identify this site) and the county and state where the facility is proposed in the subject line.

If the applicant/tower builder receives no response from the Mississippi Band of Choctaw Indians within 30 days AFTER YOU HAVE E-MAILED THE AFOREMENTIONED INFORMATION TO US (begin counting the 30 day period AFTER the e-mail with all of the information has been sent), then the Mississippi Band of Choctaw Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Mississippi Band of Choctaw 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.

2. Compliance Review Supervisor Dawn P Hutchins - Seminole Tribe of Florida - Clewiston, FL - electronic mail

Exclusions: The Seminole Tribe of Florida Tribal Historic Preservation Office requests that all correspondence be conducted via email and email attachments. We also would like to request a Form 620 or 621 be provided for every cell tower submitted to us for review. Should you have any questions, please feel free to contact me at dawnhutchins@semtribe.com or 863-983-6549 Ext. 12219. Thank you.

3. Director of Cultural Resources & THPO Terry D Cole - Choctaw Nation of Oklahoma - Durant, OK - electronic mail and regular mail

Exclusions: The Applicant may conclude that the Choctaw Nation of Oklahoma has no interest in a site if there is existing disturbance wherein the depth of the previous disturbance exceeds the proposed construction depth (excluding footing and other anchoring mechanisms) by at least 2 feet (Applying VI - D(2)(c)(i) of the Nationwide Programmatic Agreement concerning Field Surveys; 'In the Matter of Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process,' Report and Order, 20 FCC Rcd. 1073, WT Docket No. 03-128, October 5, 2004).

Furthermore, the Choctaw Nation of Oklahoma does not have an interest in a Tower that will be constructed on an existing structure, developed land, or within city limits. However, any of the above mentioned criteria should be communicated to us if not evident in the initial Notification Details. For all other towers, we request a signed field survey report that meets the Federal guidelines set forth by the Department of the Interior and a site location map along with pictures for each project.

Additionally, the Choctaw Nation of Oklahoma has informed FCC Staff that if the Applicant does not receive a response from the Tribe within 30 days of a TCNS notification, then the Applicant SHOULD MAKE A GOOD FAITH EFFORT WITH A FOLLOW-UP PHONE CALL to make sure that the tribe is aware of the proposed tower project. However, should construction expose buried archaeological or building materials such as chipped stone, tools, pottery, bone, historical crockery, glass or metal items, this office should be contacted immediately @ 1-800-522-6170 ext. 2137. [n.b. Please reference the TCNS number in all communications that follow the initial notification.]

4. MEKKO and Acting Tribal Administrator Jennie Lillard - Kialegee Tribal Town - Wetumka, OK - regular mail

Exclusions: If the Applicant receives no response from the Kialegee Tribal Town within 30 days after notification through TCNS, the Kialegee Tribal Town has no interest in participating in pre-construction review for the site. The Applicant, however, must immediately notify the Kialegee Tribal Town in the event archaeological properties or human remains are discovered during construction.

5. THPO Earl J Barbry Jr - Tunica-Biloxi Indians of Louisiana - Marksville, LA - regular mail

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. SHPO Lee Warner - Alabama Historical Commission - Montgomery, AL - electronic mail

7. Deputy SHPO Elizabeth Ann Brown - Alabama Historical Commission - Montgomery, AL - electronic mail

8. SHPO Cathie Matthews - Department of Arkansas Heritage - Little Rock, AR - electronic mail

9. Deputy SHPO Ken Grunewald - Department of Arkansas Heritage - Little Rock, AR - electronic mail

10. SHPO Elbert Hilliard - Mississippi Dept of Archives & History - Jackson, MS - regular mail

11. Deputy SHPO Kenneth H P'Pool - Division of Historic Preservation - Jackson, MS - electronic mail

"Exclusions" above set forth language provided by the Tribe, NHO, or SHPO. These exclusions may indicate types of tower notifications that the Tribe, NHO, or SHPO does not wish to review. TCNS automatically forwards all notifications to all Tribes, NHOs, and SHPOs that have an expressed interest in the geographic area of a proposal, as well as Tribes and NHOs that have not limited their geographic areas of interest. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribe, NHO, or SHPO. Exclusions may also set forth policies or procedures of a particular Tribe, NHO, or SHPO (for example, types of information that a Tribe routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

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

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

Notification Received: 05/18/2009
Notification ID: 51822
Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi
Consultant Name: Henry A Fisher
Street Address: 11578 U.S. Highway 411
City: Odenville
State: ALABAMA
Zip Code: 35120
Phone: 205-629-3868
Email: towerinfo@envciv.com

Structure Type: GTOWER - Guyed Tower
Latitude: 32 deg 18 min 4.4 sec N
Longitude: 89 deg 20 min 50.5 sec W
Location Description: off Mudline Road
City: Lake
State: MISSISSIPPI
County: SCOTT
Ground Elevation: 140.5 meters
Support Structure: 198.1 meters above ground level
Overall Structure: 198.1 meters above ground level
Overall Height AMSL: 338.6 meters above mean sea level

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

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

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

Thank you,
Federal Communications Commission

Appendix G

NT SUBMISSION PACKET – FCC FORM 620

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

The NT Submission Packet is to be used only for the construction of new antenna support structures. Antenna collocations that are subject to Section 106 review should be submitted using the Collocation ("CO") Submission Packet (FCC Form 621).

General Instructions: NT Submission Packet

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

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

1. Applicant Information

Full Legal Name of Applicant: Towers of Mississippi/State of Mississippi

Name and Title of Contact Person: Taylor Robinson

Address of Contact Person (including Zip Code):
31560 Blakeley Way, Spanish Fort, AL 36527

Phone: 205-266-4466 Fax: _____

E-mail address: trobinson@vulcancompany.com

2. Applicant's Consultant Information

Full Legal Name of Applicant's Section 106 Consulting Firm:
MRS Consultants, LLC.

Name of Principal Investigator: Beth A. Ryba

Title of Principal Investigator: Cultural Resource Specialist/Archaeologist

Investigator's Address: P.O. Box 3146

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

Towers of Mississippi/
Applicant's Name: State of Mississippi
Project Name: Lake
Project Number: 20608-C

NT SUBMISSION PACKET – FCC FORM 620

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

City: Tuscaloosa State AL Zip Code 35403

Phone: 205-556-6456 Fax: 205-556-6725

E-mail Address: earyba@earthlink.net

Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?⁴ YES NO.

Areas in which the Principal Investigator meets the Secretary of the Interior's Professional Qualification Standards: M.A. Anthropology (Archaeology)

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

3. Site Information

a. Street Address of Site: 7141 Mudline Road (nearest street address)

City or Township: Lake

County / Parish: Scott State: MS Zip Code: 39092

b. Nearest Cross Roads: Mudline Road / Hornsby Road

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

N 32 ° 18 ' 4.4"; W 89 ° 20 ' 50.5"

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

Towers of Mississippi/
Applicant's Name: State of Mississippi
Project Name: Lake
Project Number: 20608-C

NT SUBMISSION PACKET – FCC FORM 620

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

d. Proposed tower height above ground level:⁵ 650 feet; 198.1 meters

e. Tower type:

- guyed lattice tower self-supporting lattice monopole
- other (briefly describe tower) _____

4. Project Status:⁶

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

5. Applicant's Determination of Effect:

a. Direct Effects (check one):

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

b. Visual Effects (check one):

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

⁵ Include top-mounted attachments such as lightning rods.

⁶ Failure to provide the Submission Packet and complete the review process under Section 106 of the NHPA prior to beginning construction may violate Section 110(k) of the NHPA and the Commission's rules. See Section X of the Nationwide Agreement.

Towers of Mississippi/
 Applicant's Name: State of Mississippi
 Project Name: Lake
 Project Number: 20608-C

NT SUBMISSION PACKET – FCC FORM 620

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

Certification and Signature

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



05/28/09

Signature

Date

Beth A. Ryba

Archaeologist/Cultural Resource Specialist

Printed Name

Title

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

Towers of Mississippi/
Applicant's Name: State of Mississippi
Project Name: Lake
Project Number: 20608-C

ATTACHMENT I
Vitae

ATTACHMENT 2
ATTACHMENT 7
ATTACHMENT 8
ATTACHMENT 9
ATTACHMENT 10
ATTACHMENT 11
ATTACHMENT 12

See Accompanying Cultural Resource Report

Attachment 3. Tribal and NHO Involvement

Initial consultation with Native American tribes/organizations was submitted by Environmental Engineers, May 18, 2009 through the FCC Tower Construction Notification System (TCNS).

Attachment 4. Local Government

The Scott County Board of Supervisors was contacted via letter dated May 19, 2009 for comment regarding potential impacts to historical or cultural sites by the proposed action.

Attachment 5. Public Involvement

A notice requesting comment regarding potential impacts to historical or archaeological properties by the proposed action was published in the *Spirit of Morton* on May 20, 2009.

Attachment 6. Additional Consulting Parties

No additional consulting parties were identified for the proposed action.

Applicant's Name: Towers of Mississippi/State of Mississippi
Project Name: MSWIN 20608 C
Project Number: JSE01P0909

Henry Fisher

From: towernotifyinfo@fcc.gov
Sent: Monday, May 18, 2009 11:14 AM
To: towerinfo@envciv.com
Subject: Proposed Tower Structure Info - Email ID #2199889

Dear Henry A Fisher,

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: 05/18/2009

Notification ID: 51822
Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi
Consultant Name: Henry A Fisher
Street Address: 11578 U.S. Highway 411
City: Odenville
State: ALABAMA
Zip Code: 35120
Phone: 205-629-3868
Email: towerinfo@envciv.com

Structure Type: GTOWER - Guyed Tower
Latitude: 32 deg 18 min 4.4 sec N
Longitude: 89 deg 20 min 50.5 sec W
Location Description: off Mudline Road
City: Lake
State: MISSISSIPPI
County: SCOTT
Ground Elevation: 140.5 meters
Support Structure: 198.1 meters above ground level
Overall Structure: 198.1 meters above ground level
Overall Height AMSL: 338.6 meters above mean sea level

Henry Fisher

From: towernotifyinfo@fcc.gov
Sent: Friday, May 22, 2009 2:01 AM
To: towerinfo@envciv.com
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2201231

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. THPO Kenneth H Carleton - Mississippi Band of Choctaw Indians - Choctaw, MS - electronic mail

Exclusions: Please send all information via e-mail (and only via e-mail - no paper copies please) to: choctawhp@gmail.com (9 meg attachment limit)

The Mississippi Band of Choctaw Indians wishes to see full information packets for all towers within the designated areas for consultation.

Form 620, if it includes the a full text of the cultural resource survey with maps, is adequate for our needs. If your 620 does not include the text of the cultural resource survey, then attach it seperately.

Please include the tower identification (TCNS#, name, and any other information that may help us identify this site) and the county and state where the facility is proposed in the subject line.

If the applicant/tower builder receives no response from the Mississippi Band of Choctaw Indians within 30 days AFTER YOU HAVE E-MAILED THE AFOREMENTIONED INFORMATION TO US (begin counting the 30 day period AFTER the e-mail with all of the information has been sent), then the Mississippi Band of Choctaw Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Mississippi Band of Choctaw 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.

2. Compliance Review Supervisor Dawn P Hutchins - Seminole Tribe of Florida - Clewiston, FL - electronic mail

Exclusions: The Seminole Tribe of Florida Tribal Historic Preservation Office requests that all correspondence be conducted via email and email attachments. We also would like to request a Form 620 or 621 be provided for every cell tower submitted to us for review. Should you have any questions, please feel free to contact me at dawnhutchins@semtribe.com or 863-983-6549 Ext. 12219. Thank you.

3. Director of Cultural Resources & THPO Terry D Cole - Choctaw Nation of Oklahoma - Durant, OK - electronic mail and regular mail

Exclusions: The Applicant may conclude that the Choctaw Nation of Oklahoma has no interest in a site if there is existing disturbance wherein the depth of the previous disturbance exceeds the proposed construction depth (excluding footing and other anchoring mechanisms) by at least 2 feet (Applying VI - D(2)(c)(i) of the Nationwide Programmatic Agreement concerning Field Surveys; 'In the Matter of Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process,' Report and Order, 20 FCC Rcd. 1073, WT Docket No. 03-128, October 5, 2004).

Furthermore, the Choctaw Nation of Oklahoma does not have an interest in a Tower that will be constructed on an existing structure, developed land, or within city limits. However, any of the above mentioned criteria should be communicated to us if not evident in the initial Notification Details. For all other towers, we request a signed field survey report that meets the Federal guidelines set forth by the Department of the Interior and a site location map along with pictures for each project.

Additionally, the Choctaw Nation of Oklahoma has informed FCC Staff that if the Applicant does not receive a response from the Tribe within 30 days of a TCNS notification, then the Applicant SHOULD MAKE A GOOD FAITH EFFORT WITH A FOLLOW-UP PHONE CALL to make sure that the tribe is aware of the proposed tower project. However, should construction expose buried archaeological or building materials such as chipped stone, tools, pottery, bone, historical crockery, glass or metal items, this office should be contacted immediately @ 1-800-522-6170 ext. 2137. [n.b. Please reference the TCNS number in all communications that follow the initial notification.]

4. MEKKO and Acting Tribal Administrator Jennie Lillard - Kialegee Tribal Town - Wetumka, OK - regular mail

Exclusions: If the Applicant receives no response from the Kialegee Tribal Town within 30 days after notification through TCNS, the Kialegee Tribal Town has no interest in participating in pre-construction review for the site. The Applicant, however, must immediately notify the Kialegee Tribal Town in the event archaeological properties or human remains are discovered during construction.

5. THPO Earl J Barbry Jr - Tunica-Biloxi Indians of Louisiana - Marksville, LA - regular mail

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. SHPO Lee Warner - Alabama Historical Commission - Montgomery, AL - electronic mail

7. Deputy SHPO Elizabeth Ann Brown - Alabama Historical Commission - Montgomery, AL - electronic mail

8. SHPO Cathie Matthews - Department of Arkansas Heritage - Little Rock, AR - electronic mail

9. Deputy SHPO Ken Grunewald - Department of Arkansas Heritage - Little Rock, AR - electronic mail

10. SHPO Elbert Hilliard - Mississippi Dept of Archives & History - Jackson, MS - regular mail

11. Deputy SHPO Kenneth H P'Pool - Division of Historic Preservation - Jackson, MS - electronic mail

"Exclusions" above set forth language provided by the Tribe, NHO, or SHPO. These exclusions may indicate types of tower notifications that the Tribe, NHO, or SHPO does not wish to review. TCNS automatically forwards all notifications to all Tribes, NHOs, and SHPOs that have an expressed interest in the geographic area of a proposal, as well as Tribes and NHOs that have not limited their geographic areas of interest. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribe, NHO, or SHPO. Exclusions may also set forth policies or procedures of a particular Tribe, NHO, or SHPO (for example, types of information that a Tribe routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

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

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

Notification Received: 05/18/2009
Notification ID: 51822
Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi
Consultant Name: Henry A Fisher
Street Address: 11578 U.S. Highway 411
City: Odenville
State: ALABAMA
Zip Code: 35120
Phone: 205-629-3868
Email: towerinfo@envciv.com

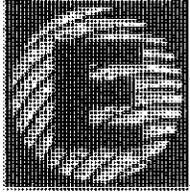
Structure Type: GTOWER - Guyed Tower
Latitude: 32 deg 18 min 4.4 sec N
Longitude: 89 deg 20 min 50.5 sec W
Location Description: off Mudline Road
City: Lake
State: MISSISSIPPI
County: SCOTT
Ground Elevation: 140.5 meters
Support Structure: 198.1 meters above ground level
Overall Structure: 198.1 meters above ground level
Overall Height AMSL: 338.6 meters above mean sea level

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

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

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

Thank you,
Federal Communications Commission



ENVIRONMENTAL ENGINEERS, INC.

11578 US Highway 411, Odenville, Alabama 35120

Environmental and Geological Consultants

May 19, 2009

Scott County Board of Supervisors
P.O. Box 630
Forest, Mississippi 39074-0630

Subject:

Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

To Whom It May Concern:

Pursuant to the requirements of the March 2005 Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA) we are requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding impact to historical or cultural sites listed on, or eligible for listing on the National Register of Historic Places (NRHP) by construction of a wireless communications tower near Lake, Scott County, Mississippi.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," dated 1970. The site is located in the northeast ¼ of the southwest ¼ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude 32°18'4.406" north and 89°20'50.538" west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. I have attached the portion of the USGS topographic map depicting the site location for your review.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. Please provide comment within thirty days of the date of this letter. Thank you for your time and assistance and we look forward to your response. Please call me at (205) 629-3868 or email me at towerinfo@envciv.com if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.

Henry A. Fisher, P.E.
Principal Engineer

Attachments: Site Location Map

Phone: (205) 629-3868 • Fax: (877) 847-3060

U.S. Postal Service
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

7007 2680 0002 3655 6872

Postage	\$	5/19/09 Postmark Here JSE 1 P 19 09
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.54	

Sent To: Scott County Bd of Supervisors
 Street, Apt. No., or PO Box No.
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Scott County Bd of Supervisors
P. O. Box 630
Jonestown, MS 39074-0630

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Billy Frank Alfred Agent Addressee
 B. Received by (Printed Name) C. Date of Delivery
 S-21

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
 (Transfer from service label) **7007 2680 0002 3655 6872**

Henry Fisher

From: Cheryl Johnson [cjohnson@envciv.com]
Sent: Wednesday, May 20, 2009 1:07 PM
To: 'Henry Fisher'
Subject: Legal Notice JSE01P0909

Spirit of Morton 5/20/09

The signs of Jesus

By Pastor James C. Longmire

The famous scene of Jesus' walk on the water is found in the Gospels of Matthew and Mark. The story is found in Matthew 14:22-33 and Mark 6:45-52.



...of the scene is like a heart. Many people have said that they walked around and tried to meet Him on the shoreline. It is a great idea, but they returned empty-handed. Jesus, James and Andrew, Peter and Philip said to Jesus that they didn't have faith to walk on the water. And the miracle in John 6:16 is a written "Word of the Disciples." Andrew, Simon Peter's brother and brother Thomas (Lazarus) who had the "doubt" heart and they said, "but what are they for?"

...W. B. E. ... That heart ... her ... and after giving ... the ... who were ... the ... to ... (...) ... for ... the ... the ... and ... the ... This showed that they did not perceive who He really was. The same thing can be found when people do not understand the message of ...

... After He calmed the storm He said, "Don't be afraid." Then they were willing to take Him on board, and at once the wind was at the shore where they were heading. John 6:21 (NIV). We have again our main reason to trust Him. There are people who don't trust when they pray, and He doesn't answer when they pray. ... that sometimes the answer is "No, it just doesn't fit what your Lord's will is for you." ... that God's will is for you is not what you are asking for. ... That is not in His will. ... These are many things when the answer is "No" when we are not seeking for ... We need to be patient for these signs, ...

May God bless you

Try our Business Card Directory Only \$45

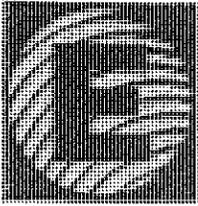
CLA

SEND YOUR CLASSIFIED ADS TO: E-MAIL

Legal Notice

... Mississippi and the State of Mississippi, in accordance with requirements of Section 4.01 of the March 2005 National Programmatic Agreement (NPA) for Review of Effects on Historic Properties for certain Undertakings Approved by the Federal Communications Commission (FCC), are requesting comment regarding potential impacts to historic or archaeological properties located on the National Register of Historic Places (NRHP) by construction of a ... should be submitted within 30 days of the publication of this notice ... and sent to the attention of Mr. Henry Fisher, Environmental Engineer, Inc. 15718 Old Highway 41, Greenville, AL 36108. Mr. Fisher may also be reached via email at hfisherinfo@msciv.com, via telephone at (205) 625-1500, or via facsimile at (205) 647-1100.

Appendix H



ENVIRONMENTAL ENGINEERS, INC.

11578 US Highway 411, Odenville, Alabama 35120

Environmental and Geological Consultants

June 3, 2009

Mr. Jim Woodrick
Mississippi Department of Archives and History
Charlotte Capers Archives and History Building
100 South State St.
Jackson, MS 39201

Subject:
Section 106 Review
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Mr. Woodrick:

Environmental Engineers, Inc. is requesting a Section 106 review, on behalf of Towers of Mississippi and the State of Mississippi for the above referenced site. Enclosed you will find a copy of the completed FCC Form 620 for the project site, including all attachments.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. If you have any questions or need additional information, please contact me at (205) 629-3868.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.

Henry A. Fisher, P.E.
Principal Engineer

Enc. FCC Form 620

Phone: (205) 629-3868 • Fax: (877) 847-3060



HISTORIC PRESERVATION
Ken P'Pool, director • Jim Woodrick, acting director
PO Box 571, Jackson, MS 39205-0571
601-576-6940 • Fax 601-576-6955
mdah.state.ms.us

June 19, 2009

ENVIRONMENTAL ENGINEERS

Henry A. Fisher, P.E.
Environmental Engineers, Inc.
11578 US Highway 411
Odenville, Alabama 35120

JUN 22 2009

RECEIVED

RE: Proposed MSWIN 20608 C Wireless Communications Tower, Lake (EE Project No. JSE01P0909), MDAH Project Log #06-094-09, Scott County

Dear Henry:

We have reviewed your June 3, 2009, cultural resources assessment request and May 28, 2009, cultural resources survey report by Beth Ryba, Principal Investigator, received on June 9, 2009, for the above referenced undertaking, pursuant to our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800. After reviewing the information provided, we concur that no cultural resources listed in or eligible for listing in the National Register of Historic Places will be directly or visually affected. Therefore, we have no reservations with the project.

There remains the possibility that unrecorded cultural resources may be encountered during the project. Should this occur, we would appreciate your contacting this office immediately in order that we may offer appropriate comments under 36 CFR 800.13.

Please provide a copy of this letter to Ms. Ryba. If you need further information, please let me know.

Sincerely,

A handwritten signature in blue ink that reads "Jim".

Jim Woodrick
Review and Compliance Officer

FOR: H.T. Holmes
State Historic Preservation Officer

Appendix I

Henry Fisher

From: Henry Fisher [hfisher@envciv.com]
Sent: Wednesday, June 03, 2009 4:39 PM
To: 'Caren Johnson'
Subject: Proposed MSWIN 20608 C Wireless Communications Tower TCNS 51822
Attachments: FCC Form 620 MSWIN 20608 C TCNS 51822.pdf

June 3, 2009

Mr. Terry Cole
Choctaw Nation of Oklahoma

Subject:
TCNS 51822
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Mr. Cole:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Scott County, Mississippi. This project was also submitted through the FCC TCNS on May 18, 2009 (TCNS ID # 51822).

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," dated 1970. The site is located in the northeast ¼ of the southwest ¼ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude 32°18'4.406" north and 89°20'50.538" west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. I have attached the FCC Form 620 prepared for this project by MRS Consultants, LLC and Environmental Engineers, Inc.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. Thank you for your time and assistance and I look forward to your response. Please call us at (205) 629-3868 or email me at hfisher@envciv.com if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher
Environmental Engineers, Inc.
11578 US Highway 411
Odenville, Alabama 35120
Tel (205) 629-3868
Fax (877) 847-3060

Henry Fisher

From: Caren Johnson [cjohnson@choctawnation.com]
Sent: Wednesday, June 24, 2009 9:49 AM
To: 'Henry Fisher'
Subject: RE: Proposed MSWIN 20608 C Wireless Communications Tower TCNS 51822

June 24, 2009

Mr. Henry Fisher:

The Choctaw Nation of Oklahoma has reviewed cell tower(s) FCC # 51822 and based on the information provided to the best of our knowledge it will have no adverse effect on any historic properties in the project's area of potential effect. However, should construction expose buried archaeological or building materials such as chipped stone, tools, pottery, bone, historic crockery, glass or metal items, or should it uncover evidence of buried historic building materials such as rock foundations, brick, or hand poured concrete, this office should be contacted immediately @ 1-800-522-6170 ext. 2137.

Sincerely,

*Caren A. Johnson,
Administrative Assistant
Choctaw Nation of Oklahoma
P. O. Box 1210, 16th & Locust
Durant, OK 74702-1210
1-580-924-8280 Ext. 2133
Fax 1-580-920-3181*

From: Henry Fisher [mailto:hfisher@envciv.com]
Sent: Wednesday, June 03, 2009 4:39 PM
To: 'Caren Johnson'
Subject: Proposed MSWIN 20608 C Wireless Communications Tower TCNS 51822

June 3, 2009

Mr. Terry Cole
Choctaw Nation of Oklahoma

Subject:
TCNS 51822
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Mr. Cole:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Scott County, Mississippi. This project was also submitted through the FCC TCNS on May 18, 2009 (TCNS ID # 51822).

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," dated 1970. The site is located in the northeast ¼ of the southwest ¼ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude 32°18'4.406" north and 89°20'50.538" west. The site consists of a proposed 200-

foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. I have attached the FCC Form 620 prepared for this project by MRS Consultants, LLC and Environmental Engineers, Inc.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. Thank you for your time and assistance and I look forward to your response. Please call us at (205) 629-3868 or email me at hfisher@envciv.com if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher
Environmental Engineers, Inc.
11578 US Highway 411
Odenville, Alabama 35120
Tel (205) 629-3868
Fax (877) 847-3060

Henry Fisher

From: Henry Fisher [hfisher@envciv.com]
Sent: Wednesday, June 03, 2009 4:52 PM
To: 'Carleton, Ken'; 'choctawhp@gmail.com'
Subject: Proposed MSWIN 20608 C Wireless Communications Tower TCNS 51822
Attachments: FCC Form 620 MSWIN 20608 C TCNS 51822.pdf

June 3, 2009

Mr. Ken Carleton
Mississippi Band of Choctaw Indians

Subject:
TCNS 51822
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Mr. Carleton:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Scott County, Mississippi. This project was also submitted through the FCC TCNS on May 18, 2009 (TCNS ID # 51822).

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," dated 1970. The site is located in the northeast ¼ of the southwest ¼ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude 32°18'4.406" north and 89°20'50.538" west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. I have attached the FCC Form 620 prepared for this project by MRS Consultants, LLC and Environmental Engineers, Inc.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. Thank you for your time and assistance and I look forward to your response. Please call us at (205) 629-3868 or email me at hfisher@envciv.com if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher
Environmental Engineers, Inc.
11578 US Highway 411
Odenville, Alabama 35120
Tel (205) 629-3868
Fax (877) 847-3060

Henry Fisher

From: Henry Fisher [hfisher@envciv.com]
Sent: Wednesday, June 03, 2009 4:51 PM
To: 'Dawn Hutchins'
Subject: Proposed MSWIN 20608 C Wireless Communications Tower TCNS 51822
Attachments: FCC Form 620 MSWIN 20608 C TCNS 51822.pdf

June 3, 2009

Ms. Dawn Hutchins
Seminole Tribe of Florida

Subject:
TCNS 51822
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Mr. Hutchins:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Scott County, Mississippi. This project was also submitted through the FCC TCNS on May 18, 2009 (TCNS ID # 51822).

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," dated 1970. The site is located in the northeast $\frac{1}{4}$ of the southwest $\frac{1}{4}$ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude 32°18'4.406" north and 89°20'50.538" west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. I have attached the FCC Form 620 prepared for this project by MRS Consultants, LLC and Environmental Engineers, Inc.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. Thank you for your time and assistance and I look forward to your response. Please call us at (205) 629-3868 or email me at hfisher@envciv.com if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher
Environmental Engineers, Inc.
11578 US Highway 411
Odenville, Alabama 35120
Tel (205) 629-3868
Fax (877) 847-3060

Tracking:

Recipient
'Dawn Hutchins'

Read
Read: 6/3/2009 4:48 PM

Henry Fisher

From: towernotifyinfo@fcc.gov
Sent: Thursday, June 04, 2009 10:13 AM
To: towerinfo@envciv.com
Cc: towernotifyinfo@fcc.gov; dawnhutchins@semtribe.com
Subject: Reply to Proposed Tower Structure (Notification ID #51822) - Email ID #2213782

Dear Henry A Fisher,

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 Compliance Review Supervisor Dawn P Hutchins of the Seminole Tribe of Florida in reference to Notification ID #51822:

To Whom It May Concern,

The Seminole Tribe of Florida Tribal Historic Preservation Office (STOF-THPO) has received your email correspondence concerning the aforementioned project. The STOF-THPO concurs with your findings of "no historic properties". However, the STOF-THPO would like to be informed should any archaeological and/or historic resources be discovered inadvertently during the construction process. We thank you for the opportunity to review the information that has been sent to date regarding this project.

We look forward to working with you in the future.

Sincerely,
Dawn P. Hutchins
Compliance Review Supervisor
FOR:
W.S. Steele,
Tribal Historic Preservation Officer

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

Notification Received: 05/18/2009
Notification ID: 51822
Tower Owner Individual or Entity Name: Towers of Mississippi/State of Mississippi
Consultant Name: Henry A Henry
Street Address: 11578 U.S. Highway 411
City: Odenville
State: ALABAMA
Zip Code: 35120
Phone: 205-629-3868
Email: towerinfo@envciv.com

Structure Type: GTOWER - Guyed Tower
Latitude: 32 deg 18 min 4.4 sec N
Longitude: 89 deg 20 min 50.5 sec W

Location Description: off Mudline Road
City: Lake
State: MISSISSIPPI
County: SCOTT
Ground Elevation: 140.5 meters
Support Structure: 198.1 meters above ground level
Overall Structure: 198.1 meters above ground level
Overall Height AMSL: 338.6 meters above mean sea level

Henry Fisher

From: Earl Barbry, Jr. [earlji@tunica.org]
Sent: Tuesday, May 03, 2005 5:51 PM
To: Henry Fisher
Cc: Niki Jeter
Subject: Re: HELPI - I am stuck in FCC NPAI

Mr. Fisher,

Sorry about the delay. I would like to be notified of the cell tower requests, etc. by email. Also, should no comments be received from my department within the 30 day comment period, proceeding with the project can occur. I stand the same as the other Tribes regarding immediate work stoppage and contacting this office should inadvertent discovery occur.

Thank you for taking the time to contact me and getting my input into these matters. Let me know if this response is sufficient or if you need a letter on Tribal stationery mailed to you.

Should you need immediate assistance, and I am out of the office, speak to my Administrative Assistant, Ms. Amber (Niki) Jeter - dial the number below and hit 0 to speak to her.

Many thanks,

Earl J. Barbry, Jr., THPO
Tunica-Biloxi Tribe of Louisiana
318-253-0213 ext. 6851

Henry Fisher

From: Henry Fisher [hfisher@envciv.com]
Sent: Wednesday, June 03, 2009 4:36 PM
To: 'earlii@tunica.org'
Subject: Proposed MSWIN 20608 C Wireless Communications Tower TCNS 51822

June 3, 2009

Mr. Earl Barbry
Tunica-Biloxi Indians of Louisiana

Subject:
TCNS 51822
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Mr. Barbry:

I am requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding potential impacts to Native American religious or cultural sites by construction of a wireless communications tower in Scott County, Mississippi. This project was also submitted through the FCC TCNS on May 18, 2009 (TCNS ID # 51822).

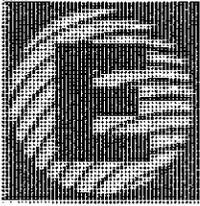
The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," dated 1970. The site is located in the northeast ¼ of the southwest ¼ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude 32°18'4.406" north and 89°20'50.538" west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. Thank you for your time and assistance. Based on the electronic mail that you sent to our office on May 3, 2005 it is my understanding that we may assume that the Tunica-Biloxi Indians of Louisiana concurs with the proposed project if we have not received a comment from your office within 30 days of submittal of project information to your office via electronic mail. Please call us at (205) 629-3868 or email me at hfisher@envciv.com if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

Henry A. Fisher
Environmental Engineers, Inc.
11578 US Highway 411
Odenville, Alabama 35120
Tel (205) 629-3868
Fax (877) 847-3060

Appendix J



ENVIRONMENTAL ENGINEERS, INC.

11578 US Highway 411, Odenville, Alabama 35120

Environmental and Geological Consultants

May 19, 2009

Scott County Board of Supervisors
P.O. Box 630
Forest, Mississippi 39074-0630

Subject:

**Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909**

To Whom It May Concern:

Pursuant to the requirements of the March 2005 Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA) we are requesting comment on behalf of Towers of Mississippi and the State of Mississippi regarding impact to historical or cultural sites listed on, or eligible for listing on the National Register of Historic Places (NRHP) by construction of a wireless communications tower near Lake, Scott County, Mississippi.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," dated 1970. The site is located in the northeast ¼ of the southwest ¼ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude 32°18'4.406" north and 89°20'50.538" west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. I have attached the portion of the USGS topographic map depicting the site location for your review.

Environmental Engineers, Inc. appreciates the opportunity to provide this information. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. Please provide comment within thirty days of the date of this letter. Thank you for your time and assistance and we look forward to your response. Please call me at (205) 629-3868 or email me at towerinfo@envciv.com if you have any questions or comments. You can also send a response to us via facsimile at (877) 847-3060.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.

Henry A. Fisher, P.E.
Principal Engineer

Attachments: Site Location Map

Phone: (205) 629-3868 • Fax: (877) 847-3060

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only. No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

7007 2680 0002 3655 6872

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.54

5/19/09

Postmark
Here

JSE 1 P 19 09

Sent to: Scott County Bd of Supervisors
 Street, Apt. No.,
 or PO Box No.
 City, State, ZIP+4

PS Form 3840, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Scott County Bd of Supervisors
P. O. Box 630
Jarvis, MS 39074-0630

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Billy Frank Alfred Agent Addressee

B. Received by (Printed Name) _____ C. Date of Delivery
5-21

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number

(Transfer from service label)

7007 2680 0002 3655 6872

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

The signs of Jesus

by Pastor Dale Cunningham

The fourth sign of Jesus was multiplying five loaves of bread and two fish to feed more than five thousand people.



...of people. When Jesus decided to go to the other side

of the Sea of Galilee in the boat, many people followed Him and walked around and tried to touch Him on the clothes. It is curious how much they admired Jesus' signs and miracles. The crowd was hungry and Philip said to Jesus that they didn't have food or money for food to feed the multitude. In John 6:5-11 it is written: "One of His disciples, Andrew, Simon Peter's brother, said to Him, 'There's a boy here who has five barley loaves and two fish—but what are they for so many?'"

When Jesus asked the people to sit down, "Then Jesus took the loaves, and after giving thanks He distributed them to those who were seated—so that with the fish, as much as they wanted." (v. 11) This is the only miracle that is included in all four Gospels. The disciples of Jesus did not perceive and so they wanted to make Him king, but He denied it. This showed that they did not perceive who He really was. The same thing can be found when people do not understand the message of having and believing. Some

times. After He calmed the storm He said, "It is I, don't be afraid!" Then they were willing to take His rebuke, and at once the boat was at the shore where they were heading." John 6:16, 21 (ESV). We have, again, one more reason to trust Him. There are people who don't trust when they pray, and He doesn't answer what they wanted. You need to think that sometimes the answer is "No, it is not what you want" or you will not see what our Lord's will be for you. You can not forget that God will never answer if you are asking something that is not in His teachings. There are many times when the answer arrives when we are not waiting for that. God's time is not our time. We need to be prepared for those times, waiting all ways in Him.

May God bless you.

Try our Business Card Directory Only \$45

CLA

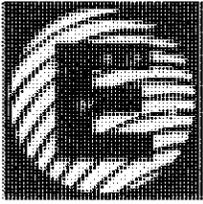
SEND YOUR CLASSIFIED

E-MAIL

TELEVISION

Towers of Mississippi and the State of Mississippi in accordance with requirements of Section 316 of the March 2003 National Programmatic Agreement (NPA) for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (FCC) are requesting comment regarding potential impacts to historical or archaeological properties listed on or eligible for listing on the National Register of Historic Places (NRHP) by construction of a new 100-foot tower and associated communications tower off Mauldin Road, Lake County, Mississippi, at latitude 33° 16' 44" north and longitude 89° 39' 50.5" west. All comments should be submitted within 30 days of the publication of this notice referencing project B554420509 and sent to the attention of Mr. Brian Foster, Environmental Engineers, Inc., 11774 US Highway 411, Gretnola, AL 35110. Mr. Fisher may also be reached via email at brian@fieglen.com, via telephone at (205) 639-3868, or via facsimile at (205) 642-3160.

Appendix K



ENVIRONMENTAL ENGINEERS, INC.

11578 US Highway 411, Odenville, Alabama 35120

Environmental and Geological Consultants

November 3, 2009

Mr. David Lofton, Section Chief
U.S. Army Corps of Engineers, Vicksburg District
Permitting Section
Attention: CEMVK-OD-F
4155 Clay Street
Vicksburg, Mississippi 39183-3435

Subject:

**Request for Project Review
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi**

Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Mr. Lofton:

Environmental Engineers, Inc. is requesting comment on behalf of Towers of Mississippi, the State of Mississippi, and the Federal Emergency Management Agency (FEMA) regarding construction of a wireless communications tower in Scott County, Mississippi. This project is being funded using a FEMA grant (2008-MS-MX-0001) and the State of Mississippi's expenditures at this site will include construction of a telecommunications facility, purchase and installation of 700 MHz RF equipment and microwave telecommunication backbone network, equipment shelter, network integration, acceptance testing, communication hardware optimization and system exercising and piloting of interoperability capabilities of the network.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," provisional edition dated 1982. The site is located in the northeast $\frac{1}{4}$ of the southwest $\frac{1}{4}$ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude $32^{\circ}18'4.406''$ north and $89^{\circ}20'50.538''$ west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off of Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. The proposed project is depicted on "Panel 33 of 35, Scott County, Mississippi Unincorporated Areas" effective date June 17, 1977, the site is not located within a special flood hazard area. I have included a site location map, site photographs, and the portion of the 2007 aerial photograph depicting the site for your review.

Phone: (205) 629-3868 • Fax: (877) 847-3060

The responsible official for the project is:

Mr. Taylor Robinson
Towers of Mississippi
31560 Blakely Way
Spanish Fort, Alabama 36532
Telephone (205) 266-4466

Environmental Engineers, Inc. has been retained by Towers of Mississippi and the State of Mississippi to prepare an Environmental Assessment (EA) for the proposed project. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please contact me by telephone at (205) 629-3868, electronic mail at hfisher@envciv.com, or U.S. mail at the letterhead address if you have any questions or comments.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'H.A. Fisher', written over a horizontal line.

Henry A. Fisher, P.E.
Principal Engineer

Attachments Site Location Map, Site Photographs, Aerial Photograph



DEPARTMENT OF THE ARMY

VICKSBURG DISTRICT, CORPS OF ENGINEERS
4155 CLAY STREET
VICKSBURG, MISSISSIPPI 39183-3435

REPLY TO
ATTENTION OF:

November 17, 2009

Operations Division

SUBJECT: Towers of Mississippi, MSWIN 20608 C Wireless
Communications Tower, Lake, Scott County, Mississippi,
Section 2, T5N-R9E, Environmental Engineers, Incorporated
Project No.: JSE01P0909

NOV 19 2009
RECEIVED

Mr. Henry A. Fisher, P.E.
Environmental Engineers, Incorporated
11578 US Highway 411
Odenville, Alabama 35120

Dear Mr. Fisher:

Your recent correspondence, subject as above, has been forwarded for action to the Mobile District, Corps of Engineers, since the proposed project falls within the geographic boundaries of their District.

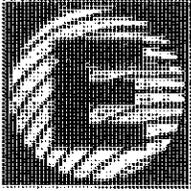
Their contact information is:

U.S. Army Engineer District, Mobile
Attention: Regulatory Branch
Post Office Box 2288
Mobile, Alabama 36628
Telephone: (251) 690-2658

Sincerely,

A handwritten signature in cursive script that reads "Michael F. McNair".

Michael F. McNair, R.F.
Chief, Regulatory Branch

chad
11-16-09
ENVIRONMENTAL ENGINEERS, INC.
11578 US Highway 411, Odenville, Alabama 35120
Environmental and Geological Consultants

November 3, 2009

Mr. David Lofton, Section Chief
U.S. Army Corps of Engineers, Vicksburg District
Permitting Section
Attention: CEMVK-OD-F
4155 Clay Street
Vicksburg, Mississippi 39183-3435

U.S. Army Corps of Engineers

A Department of the Army permit will not be
required for your project as proposed.

[Signature]
PROJECT MANAGER
REGULATORY DIVISION

[Signature]
DATE 12/15/09

Subject:

Request for Project Review
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Mr. Lofton:

Environmental Engineers, Inc. is requesting comment on behalf of Towers of Mississippi, the State of Mississippi, and the Federal Emergency Management Agency (FEMA) regarding construction of a wireless communications tower in Scott County, Mississippi. This project is being funded using a FEMA grant (2008-MS-MX-0001) and the State of Mississippi's expenditures at this site will include construction of a telecommunications facility, purchase and installation of 700 MHz RF equipment and microwave telecommunication backbone network, equipment shelter, network integration, acceptance testing, communication hardware optimization and system exercising and piloting of interoperability capabilities of the network.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," provisional edition dated 1982. The site is located in the northeast ¼ of the southwest ¼ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude 32°18'4.406" north and 89°20'50.538" west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off of Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. The proposed project is depicted on "Panel 33 of 35, Scott County, Mississippi Unincorporated Areas" effective date June 17, 1977, the site is not located within a special flood hazard area. I have included a site location map, site photographs, and the portion of the 2007 aerial photograph depicting the site for your review.

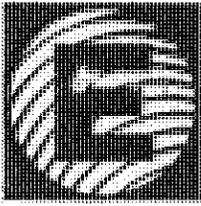
Phone: (205) 629-3868 • Fax: (877) 847-3060

11-06-09P01:50 RCVD

MVK-2009-1491

KXC

Appendix L



ENVIRONMENTAL ENGINEERS, INC.

11578 US Highway 411, Odenville, Alabama 35120

Environmental and Geological Consultants

November 3, 2009

Dr. Homer L. Wilkes, State Conservationist
U.S. Department of Agriculture, Natural Resources Conservation Service
100 W. Capital Street
Suite 1321 Federal Building
Jackson, MS 39269

Subject:

Request for Project Review
Proposed MSWIN 20608 C Wireless Communications Tower
Lake, Scott County, Mississippi
Environmental Engineers, Inc. Project No.: JSE01P0909

Dear Dr. Wilkes:

Environmental Engineers, Inc. is requesting comment on behalf of Towers of Mississippi, the State of Mississippi, and the Federal Emergency Management Agency (FEMA) regarding construction of a wireless communications tower in Scott County, Mississippi. This project is being funded using a FEMA grant (2008-MS-MX-0001) and the State of Mississippi's expenditures at this site will include construction of a telecommunications facility, purchase and installation of 700 MHz RF equipment and microwave telecommunication backbone network, equipment shelter, network integration, acceptance testing, communication hardware optimization and system exercising and piloting of interoperability capabilities of the network.

The site is depicted on the United States Geological Survey 7.5-minute Topographic Quadrangle "Lake, Mississippi," provisional edition dated 1982. The site is located in the northeast $\frac{1}{4}$ of the southwest $\frac{1}{4}$ of Section 2, Township 5 North, Range 9 East, Scott County, Mississippi, at Latitude $32^{\circ}18'4.406''$ north and $89^{\circ}20'50.538''$ west. The site consists of a proposed 200-foot by 200-foot lease area with associated guy anchor easements, and a proposed access road located off of Mudline Road near Lake, Mississippi 39092. Proposed activities consist of construction of a 650-foot guyed communications tower and access road, enclosing the compound in a fence, placement of support equipment within the compound, and covering the compound and access road with gravel. The proposed project is depicted on "Panel 33 of 35, Scott County, Mississippi Unincorporated Areas" effective date June 17, 1977, the site is not located within a special flood hazard area. I have included a site location map, site photographs, and the portion of the 2007 aerial photograph depicting the site for your review.

Phone: (205) 629-3868 • Fax: (877) 847-3060

Environmental Engineers, Inc. has been retained by Towers of Mississippi and the State of Mississippi to prepare an Environmental Assessment (EA) for the proposed project. Please reference the Environmental Engineers, Inc. project number (JSE01P0909) in correspondence regarding this site. Thank you for your time and assistance and we look forward to your response. Please contact me by telephone at (205) 629-3868, electronic mail at hfisher@envciv.com, or U.S. mail at the letterhead address if you have any questions or comments.

Sincerely,

ENVIRONMENTAL ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'H.A. Fisher', written over a horizontal line.

Henry A. Fisher, P.E.
Principal Engineer

Attachments Site Location Map, Site Photographs, Aerial Photograph

United States Department of Agriculture



Natural Resources Conservation Service
Suite 1321, Federal Building
100 West Capitol Street
Jackson, MS 39269

ENVIRONMENTAL ENGINEERS

NOV 21 2009

RECEIVED

November 17, 2009

Henry A. Fisher, P.E.
Principal Engineer
Environmental Engineers, Inc.
11578 US Highway 411
Odenville, AL 35120

Dear Mr. Fisher:

This is in response to your letter dated November 3, 2009, regarding the Proposed MSWIN 20608 C Communications Tower in Lake in Scott County, Mississippi.

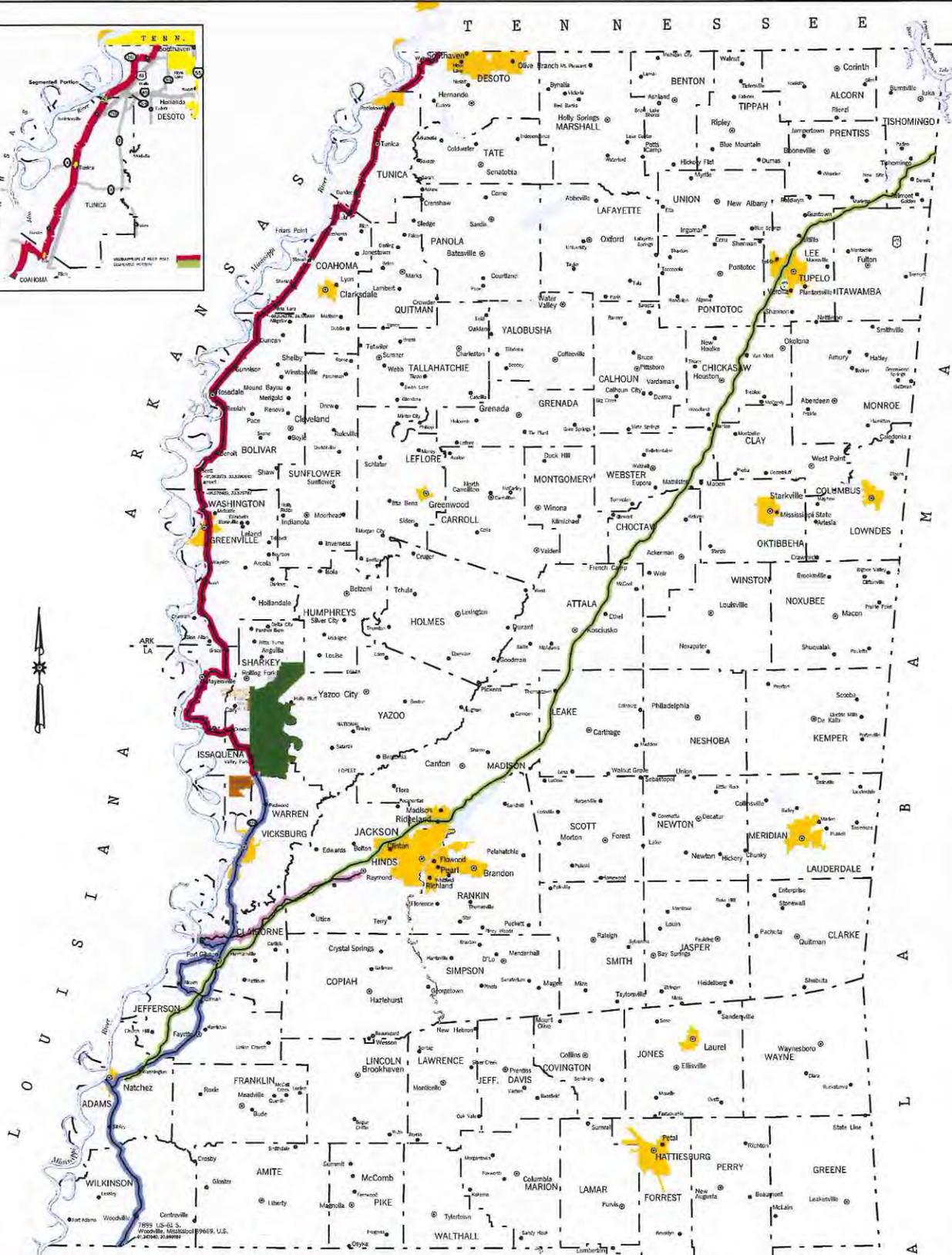
The proposed project will not have any permanent adverse effect on prime farmland. Therefore no FPPA determination is required.

Sincerely,

A handwritten signature in black ink that reads "Delaney B. Johnson". The signature is written in a cursive, flowing style.

Delaney B. Johnson
State Soil Scientist

Appendix M



MISSISSIPPI SCENIC BYWAYS

- MISSISSIPPI DELTA GREAT RIVER ROAD
- LOWER MISSISSIPPI HISTORIC BYWAY
- GRAND GULF - RAYMOND SCENIC BYWAY
- NATCHEZ TRACE
- HIGHWAY 67 SCENIC BYWAY
- HIGHWAY 605 SCENIC BYWAY

PREPARED BY THE
 © MISSISSIPPI DEPARTMENT OF TRANSPORTATION, 2005
 PLANNING DIVISION



Appendix N

Search

National Wild & Scenic Rivers



National System	Management	Information	Publications	Site Navigation	Rivers & Trails	Contact Us
---------------------------------	----------------------------	-----------------------------	------------------------------	---------------------------------	-------------------------------------	----------------------------

Black Creek

Mississippi

DeSoto National Forest
 654 West Frontage Road
 Wiggins, Mississippi 39577

Designated Reach: October 30, 1986. The segment from Fairley Bridge Landing upstream to Moody's Landing.

Classification/Mileage: Scenic — 21.0 miles; Total — 21.0 miles.

This scenic southern river features deep, black water and contrasting white sand bars as it follows a meandering course through Mississippi's coastal plain. The river and area provide a variety of opportunities for backpacking and fishing and six launch points provide for canoeing.



Kid's Page

- [Home](#)
- [Rivers](#)
- [RTCA](#)



GIS & Maps

- [Information](#)
- [Site Index](#)
- [Contact Us](#)



WSR Display

- [Management](#)
- [WSR Council](#)
- [Publications](#)

This web site uses pop-up windows — no advertising.

[Privacy](#)

Black Creek Wild and Scenic River, Mississippi

Created on: 1/1/2007
 Last updated: 11/13/2009 11:19:17
 Site has changed since last visit!

National Wild & Scenic Rivers







National System	Management	Information	Publications	Site Navigation	Rivers & Trails	Contact Us
-----------------	------------	-------------	--------------	-----------------	-----------------	------------

Designated Wild & Scenic Rivers

Rivers that pass through several states may have segments in each state designated. For example, the Klamath River has designations in California and Oregon. Many rivers also have numerous tributaries designated (e.g., Washington's Skagit River). Multiple listings of some rivers indicate more than one segment of the river is designated (e.g., the Missouri River in Nebraska).

Alabama

- [Black Warrior River \(Sipsey Fork\)](#)

[Top of the Page](#)

Alaska

- [Alagnak River](#) — [National Park Service Site](#)
- [Alatna River](#)
- [Andreafsky River](#)
- [Aniakchak River](#)
- [Beaver Creek](#) — [Bureau of Land Management Site](#)
- [Birch Creek](#) — [Bureau of Land Management Site](#)
- [Charley River](#) — [National Park Service Site](#)
- [Chilikadrotna River](#)
- [Delta River](#) — [Bureau of Land Management Site](#)
- [Fortymile River](#) — [Bureau of Land Management Site](#)
- [Gulkana River](#) — [Bureau of Land Management Site](#)
- [Ivishak River](#)
- [John River](#)
- [Kobuk River](#)
- [Koyukuk River \(North Fork\)](#)
- [Mulchatna River](#)
- [Noatak River](#)
- [Nowitna River](#)
- [Salmon River](#)
- [Selawik River](#)
- [Sheenjek River](#)
- [Tinayook River](#)
- [Tlikakila River](#)
- [Unalakleet River](#) — [Bureau of Land Management Site](#)
- [Wind River](#)

[Top of the Page](#)

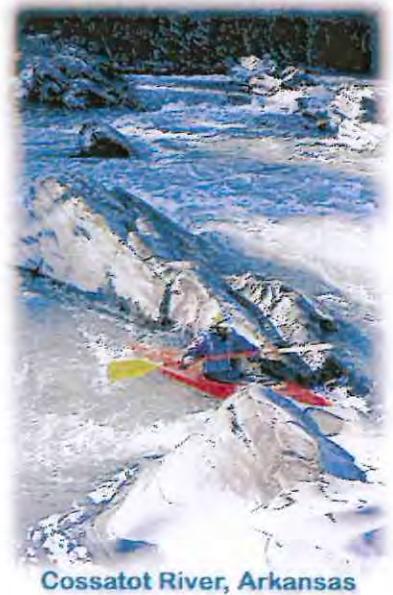
Arizona

- [Fossil Creek](#)
- [Verde River](#) — [U.S. Forest Service Site](#)

[Top of the Page](#)

Arkansas

- [Big Piney Creek](#)
- [Buffalo River](#)
- [Cossatot River](#)
- [Hurricane Creek](#)
- [Little Missouri River](#)
- [Mulberry River](#)
- [North Sylamore Creek](#)
- [Richland Creek](#)



Cossatot River, Arkansas

[Top of the Page](#)

California

- [Amargosa River](#)
- [American River \(Lower\)](#)
- [American River \(North Fork\) — Bureau of Land Management Site](#)
- [Bautista Creek](#)
- [Big Sur River](#)
- [Black Butte River](#)
- [Cottonwood Creek](#)
- [Eel River](#)
- [Feather River](#)
- [Fuller Mill Creek](#)
- [Kern River](#)
- [Kings River](#)
- [Klamath River — U.S. Forest Service Site](#)
- [Merced River — Bureau of Land Management Site](#)
- [Owens River Headwaters](#)
- [Palm Canyon Creek](#)
- [Piru Creek](#)
- [San Jacinto River \(North Fork\)](#)
- [Sespe Creek](#)
- [Sisquoc River](#)
- [Smith River](#)
- [Trinity River](#)
- [Tuolumne River — Bureau of Land Management Site](#)

[Top of the Page](#)

Colorado

- [Cache la Poudre River](#)

[Top of the Page](#)

Connecticut

- [Eightmile River](#)
- [Farmington River \(West Branch\) — Farmington River Committee Site](#)

[Top of the Page](#)

Delaware

- [White Clay Creek \(See also Pennsylvania\)](#)

[Top of the Page](#)

Florida

- [Loxahatchee River](#)
- [Wekiva River](#)

[Top of the Page](#)

Georgia

- [Chattooga River \(See also North Carolina, South Carolina — U.S. Forest Service Site, Chattooga Net](#)

[Top of the Page](#)

Idaho

- [Battle Creek](#)
- [Big Jacks Creek](#)
- [Bruneau River](#)
- [Bruneau River \(West Fork\)](#)
- [Clearwater River \(Middle Fork\)](#)
- [Cottonwood Creek](#)
- [Deep Creek](#)
- [Dickshooter Creek](#)

- [Duncan Creek](#)
- [Jarbidge River](#)
- [Little Jacks Creek](#)
- [Owyhee River](#)
- [Owyhee River \(North Fork\)](#)
- [Owyhee River \(South Fork\)](#)
- [Red Canyon](#)
- [Rapid River](#)
- [Saint Joe River](#)
- [Salmon River](#)
- [Salmon River \(Middle Fork\)](#)
- [Sheep Creek](#)
- [Snake River \(See also Oregon\)](#)
- [Wickahoney Creek](#)

[Top of the Page](#)

Illinois

- [Vermilion River — State of Illinois Site](#)

[Top of the Page](#)

Kentucky

- [Red River](#)

[Top of the Page](#)

Louisiana

- [Saline Bayou](#)

[Top of the Page](#)

Maine

- [Allagash River — State of Maine Site](#)

[Top of the Page](#)

Massachusetts

- [Westfield River — Westfield River Wild & Scenic Advisory Committee Site](#)
- [Sudbury, Assabet and Concord Rivers](#)
- [Taunton River](#)

[Top of the Page](#)

Michigan

- [Au Sable River](#)
- [Bear Creek](#)
- [Black River](#)
- [Carp River](#)
- [Indian River](#)
- [Manistee River](#)
- [Ontonagon River](#)
- [Paint River](#)
- [Pere Marquette River](#)
- [Pine River](#)
- [Presque Isle River](#)
- [Sturgeon River \(Hiawatha National Forest\)](#)
- [Sturgeon River \(Ottawa National Forest\)](#)
- [Tahquamenon River \(East Branch\)](#)
- [Whitefish River](#)
- [Yellow Dog River](#)

[Top of the Page](#)

Minnesota

- [St. Croix River \(Lower\)](#) (See also Wisconsin) — [National Park Service Site](#)
- [St. Croix River \(Upper\)](#) (See also Wisconsin) — [National Park Service Site](#)
- [St. Croix River \(Lower\)](#) (See also Wisconsin)

[Top of the Page](#)

Mississippi

- [Black Creek](#)

[Top of the Page](#)

Missouri

- [Eleven Point River](#)

[Top of the Page](#)

Montana

- [Flathead River](#)
- [Missouri River](#) — [Bureau of Land Management Site](#)

[Top of the Page](#)

Nebraska

- [Missouri River](#) (See also South Dakota) — [National Park Service Site](#)
- [Missouri River](#) (See also South Dakota) — [National Park Service Site](#)
- [Niobrara River](#) — [National Park Service Site](#)

[Top of the Page](#)

New Hampshire

- [Lamprey River](#)
- [Wildcat Brook](#)

[Top of the Page](#)

New Jersey

- [Delaware River \(Lower\)](#) (See also Pennsylvania)
- [Delaware River \(Middle\)](#) (See also Pennsylvania) — [National Park Service Site](#)
- [Great Egg Harbor River](#)
- [Maurice River](#)
- [Musconetcong River](#)

[Top of the Page](#)

New Mexico

- [Jemez River \(East Fork\)](#)
- [Pecos River](#)
- [Rio Chama](#) — [Bureau of Land Management Site](#)
- [Rio Grande](#) — [Bureau of Land Management Site](#)

[Top of the Page](#)

New York

- [Delaware River \(Upper\)](#) (See also Pennsylvania) — [National Park Service Site](#)

[Top of the Page](#)

North Carolina

- [Chattahoochee River](#) (See also Georgia, South Carolina) — [U.S. Forest Service Site](#), [Chattahoochee Net](#)
- [Horsepasture River](#)
- [New River](#) — [State of North Carolina Site](#)
- [Lumber River](#) — [State of North Carolina Site \(Lumber River State Park\)](#)
- [Wilson Creek](#)

[Top of the Page](#)**Ohio**

- [Big and Little Darby Creeks — State of Ohio Site](#)
- [Little Beaver Creek — State of Ohio Site](#)
- [Little Miami River — State of Ohio Site](#)

[Top of the Page](#)**Oregon**

- [Big Marsh Creek](#)
- [Chetco River — U.S. Forest Service Site](#)
- [Clackamas River](#)
- [Clackamas River \(South Fork\)](#)
- [Collawash River](#)
- [Crescent Creek](#)
- [Crooked River — Bureau of Land Management Site](#)
- [Crooked River \(North Fork\)](#)
- [Deschutes River — Bureau of Land Management Site](#)
- [Donner und Blitzen River](#)
- [Eagle Creek \(Mt. Hood National Forest\)](#)
- [Eagle Creek \(Wallowa-Whitman National Forest\)](#)
- [Elk River — U.S. Forest Service Site](#)
- [Elkhorn Creek](#)
- [Fish Creek](#)
- [Grande Ronde River — Bureau of Land Management Site](#)
- [Hood River \(East Fork\)](#)
- [Hood River \(Middle Fork\)](#)
- [Illinois River — U.S. Forest Service Site](#)
- [Imnaha River](#)
- [John Day River — Bureau of Land Management Site](#)
- [John Day River \(North Fork\)](#)
- [John Day River \(South Fork\) — Bureau of Land Management Site](#)
- [Joseph Creek](#)
- [Klamath River — Bureau of Land Management Site](#)
- [Little Deschutes River](#)
- [Lostine River](#)
- [Malheur River](#)
- [Malheur River \(North Fork\)](#)
- [McKenzie River](#)
- [Metolius River](#)
- [Minam River](#)
- [North Powder River](#)
- [North Umpqua River — Bureau of Land Management Site](#)
- [Owyhee River — Bureau of Land Management Site](#)
- [Owyhee River \(North Fork\) — Bureau of Land Management Site](#)
- [Powder River](#)
- [Quartzville Creek — Bureau of Land Management Site](#)
- [Roaring River](#)
- [Roaring River \(South Fork\)](#)
- [Rogue River — Bureau of Land Management Site, U.S. Forest Service Site](#)
- [Rogue River \(Hood\) — U.S. Forest Service Site](#)
- [Selmon River — Bureau of Land Management Site](#)
- [Sandy River — Bureau of Land Management Site](#)
- [Smith River \(North Fork\) — U.S. Forest Service Site](#)
- [Snake River \(See also Oregon\)](#)
- [Sprague River \(North Fork\)](#)
- [Squaw Creek](#)
- [Sycan River](#)
- [Wallowa River — Bureau of Land Management Site](#)
- [Wenaha River](#)
- [West Little Owyhee River](#)
- [White River — Bureau of Land Management Site](#)
- [Wildhorse and Kiger Creeks](#)
- [Willamette River \(North Fork of the Middle Fork\)](#)
- [Zigzag River](#)

[Top of the Page](#)

Pennsylvania

- [Allegheny River](#)
- [Clarion River](#)
- [Delaware River \(Lower\)](#) (See also New Jersey)
- [Delaware River \(Middle\)](#) (See also New Jersey) — [National Park Service Site](#)
- [Delaware River \(Upper\)](#) (See also New York) — [National Park Service Site](#)
- [White Clay Creek](#) (See also Delaware)

[Top of the Page](#)

Puerto Rico

- [Rio Mameyes](#) — [U.S. Forest Service Site](#)
- [Rio de la Mina](#) — [U.S. Forest Service Site](#)
- [Rio Icacos](#) — [U.S. Forest Service Site](#)

[Top of the Page](#)

South Carolina

- [Chattooga River](#) (See also Georgia, North Carolina) — [U.S. Forest Service Site](#), [Chattooga Net](#)

[Top of the Page](#)

South Dakota

- [Missouri River](#) (See also Nebraska) — [National Park Service Site](#)
- [Missouri River](#) (See also Nebraska) — [National Park Service Site](#)

[Top of the Page](#)

Tennessee

- [Obed River](#) — [National Park Service Site](#)

[Top of the Page](#)

Texas

- [Rio Grande](#) — [National Park Service Site](#), [Rio Grande in Big Bend National Park](#)

[Top of the Page](#)

Utah

- [Virgin River Tributaries](#)

[Top of the Page](#)

Washington

- [Klickitat River](#)
- [Skagit River](#) — [U.S. Forest Service Site](#)
- [White Salmon River](#)

[Top of the Page](#)

West Virginia

- [Bluestone River](#) — [National Park Service Site](#)

[Top of the Page](#)

Wisconsin

- [St. Croix River \(Lower\)](#) (See also Minnesota) — [National Park Service Site](#)
- [St. Croix River \(Upper\)](#) (See also Minnesota) — [National Park Service Site](#)
- [St. Croix River \(Lower\)](#) (See also Minnesota)
- [Wolf River](#)

[Top of the Page](#)

Wyoming

- [Snake River Headwaters](#)
- [Yellowstone River \(Clarks Fork\)](#)

[Top of the Page](#)

Other Data

- [Printable table of the National Wild & Scenic Rivers System \(PDF — Print as landscape\).](#)
- [Instructions for the National Atlas Wild & Scenic Rivers Site \(PDF\).](#)
- [GIS shape files of the National Wild & Scenic Rivers System \(270 KB Self-Extracting Zipped File\).](#)

[Top of the Page](#)

Kid's Page

- [Home](#)
- [Rivers](#)
- [RTCA](#)



GIS & Maps

- [Information](#)
- [Site Index](#)
- [Contact Us](#)



WSR Display

- [Management](#)
- [WSR Council](#)
- [Publications](#)

This web site uses pop-up windows — no advertising.

[Privacy](#)

National Wild & Scenic Rivers

Created on: 1/1/2007
 Last updated: 03/03/2010 09:21:17
 Site has changed since last visit!