



Integrated Environmental Solutions

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**NEPA ENVIRONMENTAL COMPLIANCE
JEFFERSON COUNTY 911 DISPATCH
SOUTHWEST SRF3
14663 STATE ROAD E, DESOTO, JEFFERSON COUNTY, MISSOURI**

**PREPARED FOR:
MR. TJ SAUTHOFF / MR. JEFF HALE / MR. EVERETT OZBAT
PYRAMID NETWORK SERVICES LLC
4457 SOUTH WALLACE LANE
HOLLADAY, UT 84124**

**PREPARED BY:
GSS, INC.**

**GSS PROJECT NO. V12619
October 24, 2012**



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Integrated Environmental Solutions
October 24, 2012

Project # V12619

TJ Sauthoff / Jeff Hale / Everett Ozbat
Pyramid Network Services, LLC
4457 South Wallace Lane
Holladay, UT 84124

RE: NEPA ENVIRONMENTAL COMPLIANCE
JEFFERSON COUNTY 911 DISPATCH SOUTHWEST SRF3, DESOTO, JEFFERSON
COUNTY, MISSOURI

Gentlemen:

The above referenced project involves the installation of a 300 ft. guyed telecommunication transmission tower at the Southwest SRF3 site located at 14663 State Road E, DeSoto, Jefferson County, Missouri.

Based on our review of available records, it does not appear that this project will have a significant impact on any of the nine areas of concern identified by 47 CFR 1.1307 (ref. NEPA Environmental Compliance Checklist Appendix 2) provided tree removal is between November 1 and March 30 (per USFWS instructions) and the guy wires are equipped with standard daytime visual markers. The Missouri SHPO concurrence of "No Adverse Effect" dated July 16, 2012 is included in Appendix 4 of this report. All identified tribes on the FCC "Notice of Organization(s) Which Were Sent Proposed Tower Construction Notification Information" have either responded or been referred to the FCC (for a total overall period of at least 60 days). As a result the TCNS process is complete (ref. Tribal Consultation Process, Appendix 5).

A summary of findings is presented in the itemized text sections of this report. Additional relative information is included in the appendices.

Please do not hesitate to call if you have any questions. We appreciate the opportunity to have completed this investigation.

Sincerely,

GSS, INC.

A handwritten signature in blue ink, appearing to read "Stephen J. Blazenko".

Stephen J. Blazenko, VP/General Manager
Enclosure

A handwritten signature in blue ink, appearing to read "Candace J. Johnson".

Candace J. Johnson

1.0 Introduction

The objective of this report is to comply with Federal Communications Commission (FCC) National Environmental Policy Act (NEPA) requirements relevant to the installation of a communication transmission tower at the Southwest SRF3 site, located at 14663 State Road E, DeSoto, Jefferson County, Missouri. This report reflects the location as shown on the drawings dated May 25, 2012: Lat. 38-1-7.2 N / Long. 90-34-18.8 W (ref. SHPO submittal attachments Appendix 4). The NEPA Checklist and relevant background and supporting documentation are attached in the following Appendices:

Appendix 1 – Figures (Topographic Map, Wetland Map, Flood Map)

Appendix 2 – FCC/NEPA Checklist

Appendix 3 – USFWS/Missouri Department of Conservation Correspondence

Appendix 4 – Section 106 Consultation (including SHPO Concurrence & Submittal)

Appendix 5 – TCNS/Correspondence with Native American Governments

Appendix 6 – Pertinent Background Information

2.0 Summary

The following is a narrative summary of checklist items and relative determinations:

1) Designated Wilderness Areas

Based upon information and/or literature obtained, and a review of relevant records, the above referenced site **does not** appear to be located within the boundaries of an officially designated wilderness area.

2) Designated Wildlife Preserves

Based on the information and/or literature obtained, and a review of relevant records, the above referenced site **does not** appear to be located within the boundaries of an officially designated wildlife preserve.



3) Listed and Proposed Threatened or Endangered Species and Designated and Proposed Critical Habitat

Based on the information and/or literature obtained, and a review of relevant records, the construction/operation of this tower/antennas is **not** likely to affect listed, threatened or endangered species or designated critical habitats. Nor is the construction/operation of this tower/antennas likely to jeopardize the existence of any proposed, threatened or endangered species or result in the destruction or adverse modification of proposed critical habitats. Although the above referenced site is not located within the boundaries of a designated critical habitat or proposed habitat, future occurrences cannot be ruled out due to fluctuating natural populations and changes to official listings.

The United States Fish and Wildlife Service (Service) response dated August 17, 2012 indicates (1) there are no federally listed species or designated critical habitat occurring within the project area and (2) any tree removal must be performed between November 1 and March 30 to avoid potential injury or death to roosting Indiana bats. The guy wires will be equipped with daytime visual markers to prevent collisions by raptors, waterfowl and other diurnally moving bird species. The Service requested lighting information and the following information (provided by the client) was provided to the Service:

- Dual lighting with medium intensity flashing white during the day, flashing red at night (for the beacons). Sidelights will also be flashing. No steady burning L-810's.

All Service correspondence is included in Appendix 3 of this report.

The Missouri Department of Conservation response dated June 15, 2012 found no wildlife preserves, no designated wilderness areas or critical habitats and no state or federal listed endangered species within one mile or in the public land survey Section 10 or adjacent sections. They also recommend that any tree removal must be performed between November 1 and March 30 to avoid potential injury or death to roosting Indiana bats. Documentation of this is included in Appendix 3 of this report.

4) Historic Sites

Based on the information and/or literature obtained, and a review of relevant records, the construction/operation of a communications tower/antennas at the above referenced site is **not** likely to adversely affect districts, sites, buildings, structures or objects listed on or eligible for listing in the National Register of Historic Places (NRHP).

The Missouri SHPO's Section 106 concurrence letter is included in Appendix 4 of this submittal followed by the complete Section 106 submittal.

5) Indian Religious Sites

Based on the information and/or literature obtained the construction/operation of a communications tower/antennas is **not** likely to affect Indian religious sites. On May 31, 2012 notification (#86035) of the proposed project was submitted to the FCC's Tower Construction Notification System. To date, 15 out of 15 tribes affected tribes have responded as having no objection to the project. However, in accordance with Section IX of the Nationwide Programmatic Agreement and applicable law all Tribes must be notified in the event archaeological properties or human remains are discovered during construction. Documentation of all FCC contact and tribal correspondence is included in Appendix 5 of this submittal.

The Missouri SHPO's Section 106 concurrence letter is included in Appendix 4 of this submittal followed by the complete Section 106 submittal.

6) Floodplains

Based on the information and/or literature obtained, and a review of relevant records, the site **does not** appear to be located in a 100 year floodplain (ref. Figure 3, Appendix 1).

7) Surface Features

Based on the information and/or literature obtained and on-site observations, the construction/operation of a communications tower/antennas is **not** likely to cause significant change



(deforestation, water diversion, wetland fill) to surface features on the above referenced site (ref. Figure 2, Appendix 1).

8) Residential Zoning/High Intensity White Lights

Based on the information and/or literature obtained, and a review of relevant records, the above referenced site **does not** appear to be located inside a residentially zoned district.

9) Radio Frequency Radiation

An evaluation to determine whether radio frequency (RF) emission standards are met was not included as part of this report. GSS, Inc. understands that client representatives will evaluate the project to ensure compliance with applicable FCC regulations (47CFR §1.1310 and §2.1093).

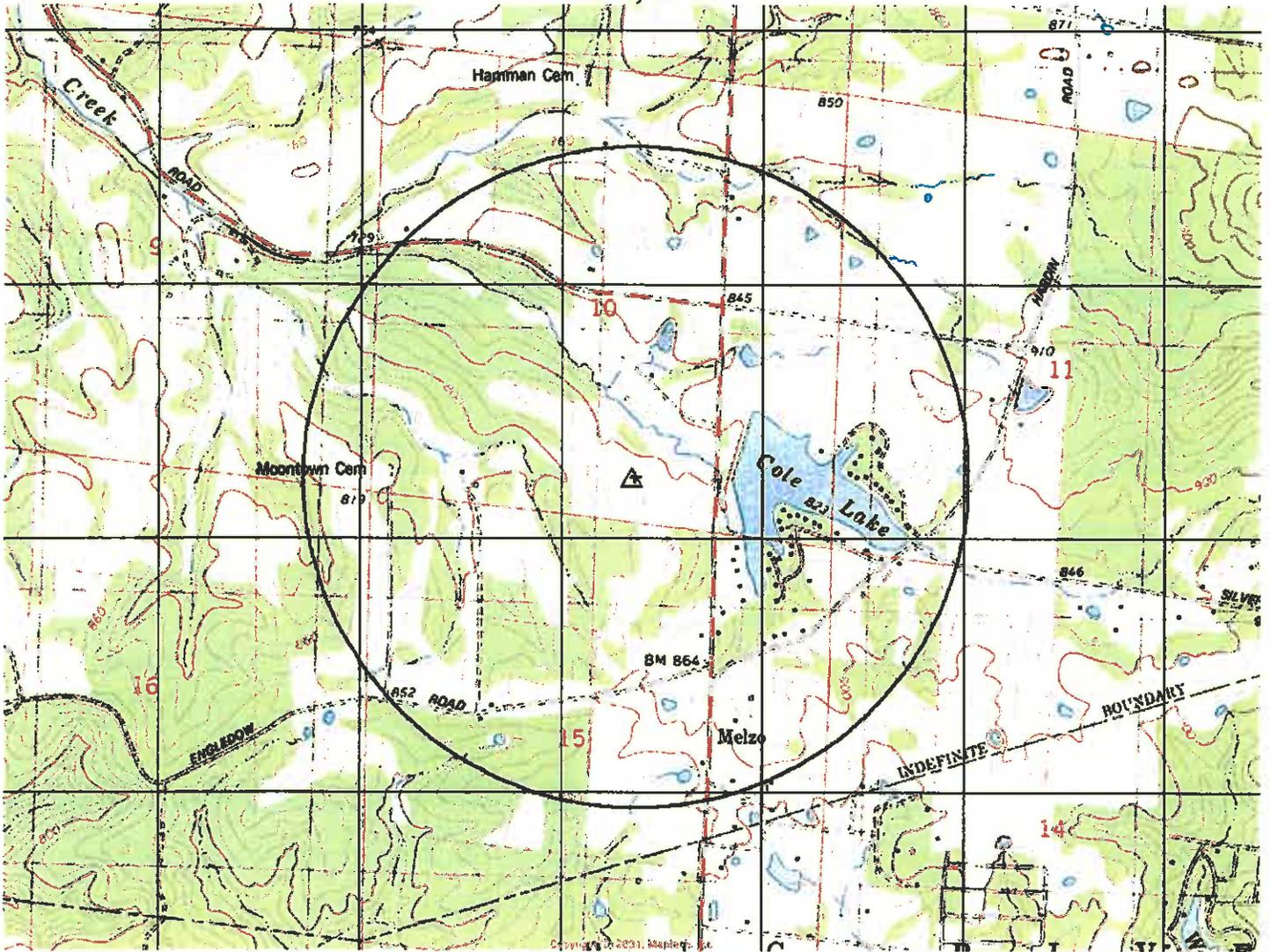


Appendix 1

Figures (Topographic Map, Wetland Map, Flood Map)



T 38 N, R 4 E



Circle Illustrates 3/4 Mile Area of Potential Effects (APE)

PYRAMID NETWORK SERVICES LLC

PROPOSED 300 FT. GUYED TOWER

SITE NAME/#: SOUTHWEST / SITE #SRF3 PROJ. NO. V12619

DATE: 2012 LOCATION: DESOTO, MO

SCALE: 1:24000 QUAD NAME: VINELAND, MO 1981 QD.



Ingeard Environmental Services

FIG. 1



U.S. Fish and Wildlife Service

National Wetlands Inventory

May 17, 2012



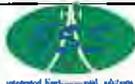
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currency of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

V12619 PYRAMID NETWORK SERVICES LLC SOUTHWEST SITE #SRF3, DESOTO, JEFFERSON COUNTY, MO - FIG. 2



ZONE X – AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

PYRAMID NETWORK SERVICES LLC		
FEMA FLOOD INSURANCE RATE MAP/ FLOOD HAZARD BOUNDARY MAP		
SITE NAME#: SOUTHWEST / SITE #SRF3	PROJ. # V12619	
DATE: 06/12	SCALE: 1"=2000'	MAP #: 29099C0450E 04/05/2006
		
FIG. 3		

Appendix 2

FCC/NEPA Checklist

FCC/NEPA ENVIRONMENTAL COMPLIANCE CHECKLIST

<u>YES</u>	<u>NO</u>		<u>INITIALS</u>
X		1. Will the facility be located in an officially designated wilderness area?	<u>g</u>
X		2. Will the facility be located in an officially designated wildlife preserve?	<u>g</u>
X		3. Will the facility (a) affect listed, threatened or endangered species or designated critical habitats; or (b) likely jeopardize the continued existence of any proposed endangered or threatened species or likely result in the destruction or adverse modification of proposed critical habitats?	<u>g</u>
X		4. Will the facility affect districts, sites, buildings, structures or objects listed or eligible for listing, in the National Register of Historic Places (NRHP)?	<u>g</u>
X		5. Will the facility affect Indian religious sites?	<u>g</u>
X		6. Will the facility be located in a floodplain?	<u>g</u>
X		7. Will the construction of the facility involve a significant change in surface features (e.g. wetland fill, deforestation, or water diversion)?	<u>g</u>
X		8. Is the site located in or near a residential neighborhood, as defined by the applicable zoning law? If so, will the antenna tower and/or supporting structure be equipped with high intensity white lights?	<u>g</u>
--	--	9. Could the proposed facility possible cause exposure of workers or general public to levels of radio frequency radiation in excess of the standards set forth by ANSA/IEEE? *	
		*An evaluation to determine whether RF emission standards are met was not included as part of this report. GSS, Inc. understands that client representatives will evaluate the project to ensure compliance with FCC regulations (47CFR §1.1310 and §2.1093).	

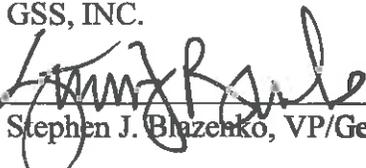
Jefferson County 911 Dispatch Southwest SRF3

GSS Project # V12619

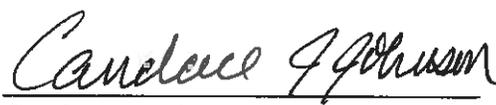
Project Location

14663 State Road E
DeSoto, Jefferson County, Missouri

GSS, INC.



Stephen J. Blazenko, VP/General Manager



Candace J. Johnson



Appendix 3

USFWS/Missouri Department of Conservation Correspondence



Design Specifications Questionnaire for Proposed Communications Towers in Missouri



V12619

The U.S. Fish and Wildlife Service (Service) has concerns regarding potential avian mortality that could occur with the installation and operation of communications towers. Despite the well-developed visual acuity of most bird species, collisions with above ground structures often occur. The problem is especially acute at tall, lighted, guyed towers, particularly at night during inclement weather, and during spring and fall songbird migrations.

***Please use one form for each proposed tower and supply all requested information.**

CONTACT INFORMATION:

Name Candace J. Johnson Company GSS, Inc.
 Street 3311 109th Street City, State, Zip Urbandale, IA 50322
 Phone 515-331-2103 E-mail cjohnson@gssmidwest.com

TOWER SITING LOCATION INFORMATION (ATTACH PERTINENT MAPS AND PHOTOS):

County Jefferson USGS Quad Name Vineland
 Lat./Long. N38 17.2, W90 34 18.8 Size of total project area 100' x 100' leased tract
 Township/Range/Section/Quarter Section T 38 N, R 4 E, S10, SE1/4
 Circle One: Urban or Rural Site Developed? Yes or No Tree Removal? Yes or No
 Habitat Description grass and weed pasture

PLEASE CHECK ALL THAT APPLY:

- 1. Communications equipment will be co-located on an existing FCC licensed communication tower or other existing structure (e.g. billboard, water tower, or building mount). **If yes, describe type of structure (no further information is required):**
- 2. Tower height less than 200 feet above ground level (AGL) and will NOT require supporting guy wires.
- 3. Tower height less than 200 feet AGL and will NOT require supporting guy wires or lighting per Federal Aviation Administration (FAA) regulations. **If yes, complete only items 9 through 14.**
- 4. Tower will require guy wires for support.

Proposed number of guy wires: TBD

- 5. Guyed tower will be equipped with daytime visual markers on the wires to prevent collisions by raptors, waterfowl, and other diurnally moving bird species.
- 6. Tower will exceed a height of 200 feet AGL and will require lights for aviation safety.

Proposed tower height: 300'

- 7. Tower will be equipped with the **minimum amount** of pilot warning and obstruction avoidance lighting required by the FAA.
- 8. Tower will be equipped with white strobe, red strobe, or red blinking incandescent lights at night, and these will be the minimum number, minimum intensity, and minimum number of flashes per minute (longest duration between flashes) allowable by the FAA. Steady burning L-810 lights will not be used at any level of the tower.^{1,2}



¹For guidance on markers, see Avian Power Line Interaction Committee (APLIC). 1994. Mitigating Bird Collisions with Power Lines: The State of the Art in 1994. Edison Electric Institute, Washington, D.C., 78 pp, and Avian Power Line Interaction Committee (APLIC). 1996. Suggested Practices for Raptor Protection on Power Lines. Edison Electric Institute/Raptor Research Foundation, Washington, D.C., 128 pp. Copies can be obtained via the Internet at <http://www.eei.org/resources/pubcat/enviro/>, or by calling 1-800-334-5453.
²Gehring, J., Kerlinger, P., and Manville, A. 2009. Communication Towers, Lights, and Birds: Successful Methods of Reducing the Frequency of Avian Collisions. Ecological Applications 19(2): 505-514.

V12619

- 9. Tower will be sited within an existing "antenna farm" (towers in clusters).
- 10. Tower and appendant facilities will be sited, designed, and constructed to avoid or minimize habitat loss within and adjacent to the tower "footprint" (total area of ground disturbance).
- 11. Road access and fencing will be minimized to reduce or prevent habitat fragmentation and disturbance, and to reduce above ground obstacles to birds in flight.
- 12. Tower is designed structurally and electrically to accommodate the applicant/licensee's antennas and 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.
- 13. Security lighting for on-ground facilities and equipment will be down-shielded to keep light within the site boundaries.
- 14. Tower will be removed within 12 months of cessation of use or if determined to be obsolete.

For U.S. Fish and Wildlife Service Personnel Use Only (DO NOT WRITE IN THIS BOX)
 This response is provided by the U.S. Fish and Wildlife Service under the authority of the Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.), the National Environmental Policy Act of 1969 (42 U.S.C. 4321-4327), the Migratory Bird Treaty Act (16 U.S.C. 703-712)³, and the Endangered Species Act of 1973, as amended (16 U.S.C. 1531-1543).

- Tower design will not adequately minimize bird strikes.
- 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. If this is not an option, please contact this office at the number listed below.
- Tower location proposed in or near stream or wetland. Relocation to an alternate site is recommended. If this is not an option, please contact this office at the number listed below.
- Trees must be removed between November 1 and March 30 to avoid potential injury or death to roosting Indiana bats. If this is not an option, please contact this office at the number listed below. *Applies to potential Indiana bat roosting trees (see attached)*
- The U.S. Fish and Wildlife Service has determined that no federally listed species or designated critical habitat occurs within the project area or sufficient recommendations have been made by the Service so that, if adhered to, the activity would not adversely affect federally listed species.

Charles M. Scott, Field Supervisor

 Charles M. Scott, Field Supervisor

August 17, 2012

 Date

RETURN THIS FORM TO:
U.S. Fish and Wildlife Service
Ecological Services
101 Park DeVill Drive, Suite A
Columbia, MO 65203-0057
Phone 573-234-2132; Fax 573-234-2181

³The Migratory Bird Treaty Act (16 U.S.C. 703-712) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Department of the Interior. While the Act has no provision for allowing unauthorized take, it must be recognized that some birds may be killed at structures such as communications towers even if all reasonable measures to avoid it are implemented. The Service's Division of Law Enforcement carries out its mission to protect migratory birds not only through investigations and enforcement, but also through fostering relationships with individuals and industries that proactively seek to eliminate their impacts on migratory birds.

Characteristics of Suitable Indiana Bat Roosting Habitat

Habitat requirements for the Indiana bat are not well defined, but the following are considered important characteristics:

- 1) Live or overly-mature trees and snags with peeling or exfoliating bark, split tree trunks, or cavities, which may be used as maternity or bachelor roosts;
- 2) Tree species including shellbark or shagbark hickory, white oak, cottonwood, and maple;
- 3) Stream corridors, riparian areas, and upland woodlots that provide foraging habitat.

For additional information or questions regarding potential Indiana bat roosting habitat, please contact Trisha Crabill at 573-234-2132, extension 121.



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Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions

June 12, 2012

Project #V12619

Ms. Amy Salveter, Field Supervisor
U. S. Fish and Wildlife Service
Missouri Ecological Services Field Office
101 Park DeVille Dr., Suite A
Columbia, MO 65203-0007

**RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE
#SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI**

Dear Ms. Salveter:

GSS, Inc. is in the process of completing NEPA checklists for several proposed *Jefferson County 911 Dispatch towers*. The attached tower site is near DeSoto, Jefferson County, Missouri. A 300' guyed communications tower and equipment shed are scheduled to be constructed on the property. Further information regarding the site location is as follows:

Address: TBD State Road E, DeSoto, Jefferson County, Missouri
Quadrangle: Vineland, MO 1981
Latitude: 38° 1' 7.2" Longitude: 90° 34' 18.8"
Section 10, Township 38N, Range 4E

The location of the proposed site currently consists of grass pasture. To the north, east, south and west is grass pasture. The general nature of the surrounding area is agriculture.

To assist in ongoing informal consultation under Section 7 of the Federal Endangered Species Act (ESA) we are requesting response from your office regarding the following questions as per the NEPA process:

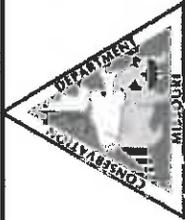
1. Is the site located in or on a wilderness area?
2. Is the site located in or on a wildlife preserve?
3. Is the site located in or on a designated critical habitat?
4. Does the site contain any species of plant or animal life that is designated as threatened or endangered?

Please provide your comments in writing within 30 days of the date of this letter. To assist in your review we have attached a topographic map, a Delorme Street Atlas map, an aerial photograph, a Wetlands Map, site sketch/drawing(s), site photographs and the Design Questionnaire. If you have any questions, please contact me at (515) 331-2103.

Yours truly,
GSS, INC.

A handwritten signature in cursive script that reads "Candace J. Johnson".

Candace J. Johnson
Enclosure
cc: MDC, Jefferson City, MO



Missouri Department of Conservation

Resource Science Division
P. O. Box 180
Jefferson City, MO 65102
Prepared by: Emily Clancy
Emily.Clancy@mdc.mo.gov
(573) 522 - 4115 ext. 3182

RECEIVED

Natural Heritage Review Report

JUN 27 2012

June 21, 2012 -- Page 1 of 2

GSS INC.

Attn: Candace J. Johnson
3311 109th Street
Urbandale, Iowa 50322

Project type: Tower / Antennae

Location/Scope: Section 10 of T38N R04E

County: Jefferson

Query reference: 911 Dispatch/Pyramid Network Services LLC, SW Site #SRF3

Query received: June 15, 2012

This NATURAL HERITAGE REVIEW is not a site clearance letter. Rather, it identifies public lands and sensitive resources known to have been located close to and/or potentially affected by the proposed project. On-site verification is the responsibility of the project. Natural Heritage records were identified at some date and location. This report considers records near but not necessarily at the project site. Animals move and, over time, so do plant communities. To say "there is a record" does not mean the species/habitat is still there. To say that "there is no record" does not mean a protected species will not be encountered. These records only provide one reference and other information (e.g. wetland or soils maps, on-site inspections or surveys) should be considered. Look for additional information about the biological and habitat needs of records listed in order to avoid or minimize impacts. More information may be found at <http://mdc.mo.gov/discover-nature/places-go/natural-areas> and [mdc4.mdc.mo.gov/applications/mofwis/mofwis_search1.aspx](http://mdc.mo.gov/applications/mofwis/mofwis_search1.aspx). Contact information for the department's Natural History Biologist is online at <http://mdc.mo.gov/contact-us>.

Level 3 (federal-listed) and Level 2 (state-listed) issues: Records of listed species or critical habitats:

Heritage records identify no wildlife preserves, no designated wilderness areas or critical habitats, no federal or state listed species records within one mile of the site, or in the public land survey section listed above or sections adjacent.

Please:

1. Complete the questionnaire at http://www.fws.gov/habitatconservation/TOWER_SITE_EVALUATION_FORM.pdf and file with U.S. Fish and Wildlife Service (USFWS). MDC shares FWS concerns regarding potential avian mortality that can occur with the installation and operation of towers.
2. Review FWS recommendations for tower design, accessible on line at <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>. If specifications for your tower fall outside the "Service Interim Guidelines for Recommendations on Tower Siting, Construction, Operation, and Decommissioning," please provide USFWS maps of sites and information on tower plans, especially in regard to guywires and lighting. USFWS has responsibility for certain international treaty obligations relating to migratory birds that are not considered species of conservation concern due to their rarity.

General recommendations related to this project or site, or based on information about the historic range of species (unrelated to any specific heritage records):

- Indiana bats (*Myotis sodalis*, federally and state listed “endangered”) may occur in this area. These mammals hibernate during winter months in caves, in Missouri primarily in the southern half of the state. They are found in summer months, primarily north of the Missouri River, roosting and raising young under the bark of trees in riparian forests and upland forests near perennial streams. During project activities, avoid degrading stream quality and where possible leave snags standing and preserve mature forest canopy. If large trees with nesting cavities or loose bark need to be removed by your project, that should be done between November and March. Additional information to incorporate in planning documents is available at <http://mdc.mo.gov/110>. Gray bats (*Myotis grisescens*, federally and state listed “endangered”) are likely to occur in the project area, as they forage over streams, rivers, and reservoirs in this part of Missouri. Avoid entry or disturbance of any cave inhabited by gray bats and when possible retain forest vegetation along the stream and from the gray bat cave opening to the stream. See <http://mdc.mo.gov/104> for best management recommendations.
- Jefferson county has known karst geologic features (e.g. caves, springs, and sinkholes, all characterized by subterranean water movement). Few karst features are recorded in heritage records, and ones not noted here may be encountered at the project site or affected by the project. Cave fauna (many of which are species of conservation concern) are influenced by changes to water quality, so check your project site for any karst features and make every effort to protect groundwater in the project area. See http://mdc.mo.gov/nathis/caves/manag_construc.htm for best management information. Streams in the area should be protected from soil erosion, water pollution and in-stream activities that modify or diminish aquatic habitats. Best management recommendations relating to streams and rivers may be found at <http://mdc.mo.gov/79>. The project should be managed to minimize erosion and sedimentation/runoff to nearby streams and lakes, including adherence to any “Clean Water Permit” conditions. Revegetate areas in which the natural cover is disturbed to minimize erosion using native plant species compatible with the local landscape and wildlife needs. Pollutants, including sediment, can have significant impacts far downstream. Use silt fences and/or vegetative filter strips to buffer streams and drainages, and monitor those after rain events and until a well-rooted ground cover is reestablished.
- Invasive exotic species are a significant issue for fish, wildlife and agriculture in Missouri. Seeds, eggs, and larvae may be moved to new sites on boats or construction equipment, so inspect and clean equipment thoroughly before moving between project sites.
 - ◆ Remove any mud, soil, trash, plants or animals from equipment before leaving any water body or work area.
 - ◆ Drain water from boats and machinery that has operated in water, checking motor cavities, live-well, bilge and transom wells, tracks, buckets, and any other water reservoirs.
 - ◆ When possible, wash and rinse equipment thoroughly with hard spray or HOT water ($\geq 104^{\circ}$ F, typically available at do-it-yourself carwash sites), and dry in the hot sun before using again.

These recommendations are ones project managers might, prudently consider based on a general understanding of species needs and landscape conditions. Natural Heritage records largely reflect only sites visited by specialists in the last 30 years. This means that many privately owned tracts could host unknown remnants of species once but no longer common.



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Tel: 515.331.2103 • Fax: 515.331.1728
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Integrated Environmental Solutions

June 12, 2012

Project #V12619

Ms. Emily Clancy, Public Involvement Coord.
Missouri Department of Conservation
2901 West Truman Blvd., P. O. Box 180
Jefferson City, MO 65102

RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE #SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI

Dear Ms. Clancy:

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Section 10, Township 38N, Range 4E

The location of the proposed site currently consists of grass pasture. To the north, east, south and west is grass pasture. The general nature of the surrounding area is agriculture.

To assist in ongoing informal consultation under Section 7 of the Federal Endangered Species Act (ESA) we are requesting response from your office regarding the following questions as per the NEPA process:

1. Is the site located in or on a wilderness area?
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3. Is the site located in or on a designated critical habitat?
4. Does the site contain any species of plant or animal life that is designated as threatened or endangered?

Please provide your comments in writing within 30 days of the date of this letter. To assist in your review we have attached a topographic map, a Delorme Street Atlas map, an aerial photograph, a Wetlands Map, site sketch/drawing(s) and site photographs. If you have any questions, please contact me at (515) 331-2103.

Yours truly,
GSS, INC.

A handwritten signature in cursive script that reads "Candace J. Johnson".

Candace J. Johnson
Enclosure
cc: USFWS Columbia, MO



Species Reports

Environmental Conservation Online System

<http://www.fws.gov>

Species By County Report

The following report contains Species that are known to or are believed to occur in this county. Species with range unrefined past the state level are now excluded from this report. If you are looking for the Section 7 range (for Section 7 Consultations), please visit the [IPaC \(/ipac\)](#) application.

County: Jefferson, MO

Group (countySearch!speciesByCountyReport.action?d-16544-s=0&d-16544-o=2&d-16544-p=1&fips=29099)	Name
Clams	Pink r (http:// Scale: spcod: Spect (http:// Snuffi (http:// Sheep (http:// Pallid (http:// Indian spcod: Gray spcod:
Fishes	
Mammals	

Export options: [CSV](#) ([countySearch!speciesByCountyReport.action?d-16544-e=1&6578706f7274=1&fips=29099](#)) | [EXCEL](#) ([countySearch!speciesByCountyReport.action?d-16544-e=2&6578706f7274=1&fips=29099](#)) | [XML](#) ([countySearch!speciesByCountyReport.action?d-16544-e=3&6578706f7274=1&fips=29099](#)) | [PDF](#) ([countySearch!speciesByCountyReport.action?d-16544-e=5&6578706f7274=1&fips=29099](#))

Last updated: May 17, 2012

[ECOS Home \(/ecos/indexPublic.do\)](#) | [Contact Us \(/ecos/helpdesk.do?version=TESS_PUBLIC-1.1.11\)](#)

Group	Name	Population	Status	Lead Office	Recovery Plan Name	Recovery Plan Stage
Clams	Pink mucket (pearlymussel)		Endangered	Asheville Ecological Services	Pink Mucket Pearly Mussel	Final
Clams	Scatehell mussel (Leptodea)		Endangered	Columbia Ecological Services	Final Recovery Plan for the	Final
Clams	Spectaclecase (mussel)		Endangered	Twin Cities Ecological Services		
Clams	Snuffbox mussel (Epioblasma)		Endangered	Columbus Ecological Services		
Clams	Sheepnose Mussel		Endangered	Rock Island Ecological Services		
Fishes	Pallid sturgeon (Scaphirhynchus)		Endangered	Yellowstone River Coordinator	Pallid Sturgeon	Final
Mammals	Indiana bat (<i>Myotis sodalis</i>)		Endangered	Bloomington Ecological	Indiana Bat (<i>Myotis sodalis</i>)	Draft Revision 1
Mammals	Gray bat (<i>Myotis grisescens</i>)		Endangered	Columbia Ecological Services	Gray Bat	Final

Appendix 4

Section 106 Consultation (including SHPO Concurrence & Submittal)

RECEIVED

JUL 23 2012

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

www.dnr.mo.gov

TCNS 86035

July 16, 2012

Mr. Eugene and/or Stephen Blazenko
GSS, Inc.
3311 109th Street
Urbandale, IA 50322

Re: **SHPO Project Number: 058-JE-12** – 911 Dispatch Tower Southwest Site #SRF3, DeSoto,
Jefferson County, Missouri (FCC)

Dear Mr. Blazenko:

Thank you for submitting information about the above-referenced project for our review pursuant to Section 106 of the National Historic Preservation Act (P.L. 89-665, as amended) and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which require identification and evaluation of cultural resources.

Based on the information provided, we concur that there is one property that may be eligible for listing in the National Register of Historic Places located within the area of potential effects of the proposed tower: property B. We also concur that property A is not eligible. In addition, we agree that the proposed project will have **no adverse effect** on historic properties.

Please be advised that, if the project area is increased, cultural materials are encountered during construction or adjacent areas that may contain significant cultural resources may be adversely impacted, appropriate information must be provided to this office for further review and comment.

If you have any questions please write Missouri Department of Natural Resources, State Historic Preservation Office, Attn: Review and Compliance, P.O. Box 176, Jefferson City, Missouri 65102, or call Rebecca Rost at (573) 751-7958. Please be sure to include the **SHPO Project Number (058-JE-12)** on all future correspondence relating to this project. If the information is provided via telephone call, please follow up in writing for our files.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE



Mark A. Miles
Director and Deputy
State Historic Preservation Officer

MAM:rr

C: Mark Kelly



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 STATE HISTORIC PRESERVATION OFFICE
SECTION 106 PROJECT INFORMATION FORM

Submission of a completed Project Information Form with adequate information and attachments constitutes a request for review pursuant to Section 106 of the National Historic Preservation Act of 1966 (as amended). We reserve the right to request more information. **Please refer to the CHECKLIST on Page 2 to ensure that all basic information relevant to the project has been included.** For further information, refer to our Web site at: <http://www.dnr.state.mo.us/shpo> and follow the links to Section 106 Review.

NOTE: Section 106 regulations provide for a 30-day response time by the Missouri State Historic Preservation Office from the date of receipt.

PROJECT NAME

Jefferson County 911 Dispatch (Pyramid Network Services) - Southwest - Site #SRF3

FEDERAL AGENCY PROVIDING FUNDS, LICENSE, OR PERMIT

FCC

APPLICANT

GSS, Inc.

TELEPHONE

(515) 331-2103

CONTACT PERSON

Eugene J. &/or Stephen J. Blazenko

TELEPHONE

(515) 331-2103

ADDRESS FOR RESPONSE

3311 109th Street
 Urbandale, IA 50322

LOCATION OF PROJECT

COUNTY: Jefferson

STREET ADDRESS: TBD State Road E

CITY: DeSoto

GIVE LEGAL DESCRIPTION OF PROJECT AREA (TOWNSHIP, RANGE, SECTION, ¼ SECTION, ETC.)

*USGS TOPOGRAPHIC MAP QUADRANGLE NAME Vineland, MO

YEAR: 1981

TOWNSHIP: 38 N

RANGE: 4 E

SECTION: 10

*SEE MAP REQUIREMENTS ON PAGE 2

PROJECT DESCRIPTION

- Describe the overall project in detail. If it involves excavation, indicate how wide, how deep, etc. If the project involves demolition of existing buildings, make that clear. If the project involves rehabilitation, describe the proposed work in detail. Use additional pages if necessary.

Proposed construction of a 300 ft. guyed tower.

ARCHAEOLOGY (Earthmoving Activities)

Has the ground involved been graded, built on, borrowed, or otherwise disturbed?

- Please describe in detail: (Use additional pages, if necessary.) Photographs are helpful.

Ref. NHPA Section 106 Archaeological/Architectural Viewshed Investigations, Attachment and 106 Survey Memo.

Will the project require fill material? Yes No

- Indicate proposed borrow areas (source of fill material) on topographic map.

Are you aware of archaeological sites on or adjacent to project area? Yes No

- If yes, identify them on the topographic map.

STRUCTURES (Rehabilitation, Demolition, Additions to, or Construction near existing structures)

To the best of your knowledge, is the structure located in any of the following?

An Area Previously Surveyed for Historic Properties A National Register District A Local Historic District

If yes, please provide the name of the survey or district:

Ref. NHPA Section 106 Archaeological/Architectural Viewshed Investigations, Attachment.

- Please provide photographs of all structures, see photography requirements.
- **NOTE:** All photographs should be labeled and keyed to one map of the project area.
- Please provide a brief history of the building(s), including construction dates and building uses. (Use additional pages, if necessary.)

ADDITIONAL REQUIREMENTS

Map Requirements: Attach a copy of the relevant portion (8½ x 11) of the current USGS 7.5 min. topographic map and, if necessary, a large scale project map. Please do not send an individual map with each structure or site. While an original map is preferable, a good copy is acceptable. USGS 7.5 min. topographic maps may be ordered from Geological Survey and Resource Assessment Division, Department of Natural Resources, 111 Fairground, Rolla, MO 65402, Telephone: (573) 368-2125, or printed from the website <http://www.topozone.com>.

Photography Requirements: Clear black & white or color photographs on photographic paper (minimum 3" x 5") are acceptable. Polaroids, photocopies, emailed, or faxed photographs are not acceptable. **Good quality photographs are important for expeditious project review.** Photographs of neighboring or nearby buildings are also helpful. All photographs should be labeled and keyed to one map of the project area.

CHECKLIST: Did you provide the following information?

- | | |
|---|---|
| <input checked="" type="checkbox"/> Topographic map 7.5 min. (per project, not structure) | <input checked="" type="checkbox"/> Other supporting documents (If necessary to explain the project) |
| <input checked="" type="checkbox"/> Thorough description (all projects) | <input checked="" type="checkbox"/> For new construction, rehabilitations, etc., attach work write-ups, plans, drawings, etc. |
| <input checked="" type="checkbox"/> Photographs (all structures) | <input checked="" type="checkbox"/> Is topographic map identified by quadrangle and year? |

Return this Form and Attachments to:

**MISSOURI DEPARTMENT OF NATURAL RESOURCES
STATE HISTORIC PRESERVATION OFFICE
Attn: Section 106 Review
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102-0176**



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 HISTORIC PRESERVATION PROGRAM
 P.O. BOX 176, JEFFERSON CITY, MISSOURI 65102
 (573) 751-7858

SECTION 106 SURVEY MEMO

SHPO USE ONLY	
REVIEWER	
DATE	SHPO LOG #
<input type="checkbox"/> ACCEPTED	<input type="checkbox"/> REJECTED

1) HPP 106 PROJECT #		
LOCATION INFORMATION AND SURVEY CONDITIONS		
2) COUNTY(S) Jefferson		
3) QUADRANGLE Vineland	4) PROJECT TYPE/TITLE Pyramid Southwest SRF3 Tower Site	
5) FUNDING/PERMITTING FEDERAL AGENCY(S) Federal Communications Commission		
6) SECTION 10	7) TOWNSHIP 38 North	8) RANGE 4 East
9) UTM Zone 15: 713141 E; 4210669 N		
10) PROJECT DESCRIPTION Construct 300'-height guyed tower w/i 100' by 100' lease with access/guy wire easements		
11) TOPOGRAPHY Moderately dissected upland overlooking Tiff Creek		
12) SOILS Wrengart silt loam, 3-8% slope, eroded, and 8-15% slope, eroded		
13) DRAINAGE Meramec - Big (after Weichman)		
14) LAND USE/GROUND COVER (INCLUDING VISIBILITY) Agricultural (pasture/hayfield); visibility: approximately 5 percent		
15) SURVEY LIMITATIONS None identified		
HISTORICAL BACKGROUND INFORMATION		
16) HPP CULTURAL RESOURCE INVENTORY <input checked="" type="checkbox"/>	17) ARCHAEOLOGICAL SURVEY OF MISSOURI <input checked="" type="checkbox"/>	18) GIS DATABASE <input checked="" type="checkbox"/>
19) HISTORIC PLATS/ATLASES/SOURCES ca. 1935 (attached)		
20) PREVIOUSLY REPORTED SITES None on/adjacent to the communications tower site; none within APE		
21) PREVIOUS SURVEYS None on/adjacent to the communications tower site; none within APE		
22) REGIONAL SOURCES UTILIZED Jefferson County Historical Society @ 712 S. Main, DeSoto, MO 63020 (no response as of report)		
23) MASTER PLAN RECOMMENDATION N/A		
24) INVESTIGATION TECHNIQUES Site: surficial walkover, screened shovel tests; APE: one-mile windshield survey, photography, application of NRHP eligibility criteria		
		25) TIME EXPENDED 2.25 PERSON HOURS
26) HISTORIC PROPERTIES LOCATED See attached comments		
27) CULTURAL MATERIALS None observed/collected		
		28) CURATED AT N/A
29) COLLECTION TECHNIQUES N/A		
30) AREA SURVEYED (ACRES & SQUARE METERS) 0.2295 acre; 929.063 sq. m. (in addition to guy wire/access easements)		

31) RESULTS OF INVESTIGATION AND RECOMMENDATIONS

- a) No Historic Properties Located.
- b) No National Register Eligible Historic Properties Located.
- c) National Register Eligible Historic Properties Located.
- d) Historic Properties May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended:
- e) Comments: See attached comments

CULTURAL RESOURCE MANAGEMENT CONTRACTOR INFORMATION

32) ARCHAEOLOGICAL CONSULTANT

K&K Environmental LLC

33) ADDRESS/PHONE

23184 151st Street, Leavenworth, KS 66048; 913.724.5800

34) SURVEYOR(S)

Mark W. Kelly

35) SURVEY DATE(S)

6/15/12

36) REPORT COMPILED BY

Mark W. Kelly, Carol Kuhn, Kerri Oliver

37) DATE

6/22/12

38) SUBMITTED BY (SIGNATURE AND TITLE)

Mark W. Kelly Principal Investigator

39) ATTACHMENT CHECK LIST: (REQUIRED)

- 1) Relevant Portion of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location and Any Recorded Sites;
- 2) Project Map(s) Depicting Survey Limits and, when applicable, Approximate Site Limits, and Concentrations of Cultural Materials;
- 3) Site Form(s): One Copy of Each Form;
- 4) All Relevant Project Correspondence;
- 5) Additional Information Sheets as Necessary.

40) ADDRESS OF OWNER/AGENCY TO WHOM SHPO COMMENT SHOULD BE MAILED

GSS, Inc.

3311 109th Street

Urbandale, IA 50322

41) CONTACT PERSON

Steve Blazenko

42) PHONE NUMBER

(515) 331-2103

REVIEWER COMMENTS

STATEMENT OF QUALIFICATION

This summary document was prepared in substantial conformity with the Missouri Department of Natural Resources State Historic Preservation Office (MDNR-SHPO) "Guidelines for Phase I Archaeological Surveys / Reports in Missouri (Phase I Guidelines)," addressing particularly the direct effects resulting from the Federal Communications Commission (FCC) undertaking described herein. In addition, per MDNR-SHPO directive, an assessment of indirect effects emanating from the proposed communications facility as to historic properties located within the prescribed area of potential effect (APE) is also included within this summary document.

The investigations herein described were conducted by Mark William Kelly, M.A., J.D., representing K&K Environmental LLC. Kelly is a professional archaeologist and historian approved by reviewing personnel associated with the MDNR-SHPO of Missouri. He exceeds the minimum professional qualifications standards for the disciplines of Archaeology and History, as published in the Code of Federal Regulations, 36 CFR Part 61; hence, he is federally qualified to oversee and conduct archaeological investigations as principal investigator. As to FCC undertakings specifically, Kelly has responsibly and ethically completed in excess of one thousand raw land/green field site investigations, with summary documents prepared, submitted - and approved - for each individual site. To date, no FCC Summary Document submitted by K&K Environmental LLC to MDNR-SHPO has been rejected or returned for insufficiency or inadequacy of any consideration.

Mark W. Kelly was presented with the J. Mett Shippee Outstanding Service Award for 2008 by the Kansas City Archeological Society (KCAS), having led Phase II investigations of three significant historic sites in Missouri. Kelly has had multiple articles published on topics arising from archaeological investigations conducted under his oversight and, as well, has completed a book-length manuscript derived from his archaeological investigations of the Clay County, Missouri antebellum estate Multnomah.

INVESTIGATION PROTOCOL

In conformity with MDNR-SHPO Phase I Guidelines, the following activities, as warranted, were completed by principal investigator Mark W. Kelly for the express purpose of conducting a thorough and effective archaeological survey of the subject property at issue:

Background Research

Upon receipt of specific locational information, including site survey drawings of the subject property, the principal investigator conducts background research sufficient to render an overview of cultural activity conducted within the area wherein the subject property is located - identified as the collection of base-line data. As a state and federally approved professional archaeologist, permission is granted to conduct research in the MDNR-SHPO Cultural Resource Inventory Library (possessing CRM survey reports and DOE listings, etc.) and to access the archaeological site files - records exempt from the Open Records Act and restricted to use by professional archaeologists. The approved professional archaeologist is also provided access to the GIS online database (archaeology viewer map). All records of listed sites within a one-mile radius, at minimum, surrounding the subject property are reviewed for the purpose of gleaning relevant information that may warrant consideration during the physical site investigation of the subject property. In all instances whereby a subject property appears to possess the potential for buried human remains and associated resources, MDNR-SHPO is consulted for guidance regarding methodology of physical investigation.

In addition to a review of recorded sites and associated survey literature, the principal investigator reviews information contained in the BLM-GLO records, Sanborn fire insurance maps (as warranted), historical atlases and plat maps of the pertinent county, regional geographic maps, geology maps, maps of physiographic regions, USDA NRCS (formerly SCS) soil survey documents and NRCS web soil survey/aerial photography maps with soils descriptions, current and historic USGS 7.5-minute series topographic maps, current and historic aerial photographs, FEMA FIRM floodplain maps, and wetlands inventory maps. As may be warranted, historic newspapers are accessed. Further, Mark W. Kelly maintains a significant library containing archaeological and historical journals from a multitude of institutions, pertaining to the cultural history of the area being investigated, as well as books published on topics germane to the prehistory and early history of those areas wherein the subject site is located. Lastly, in those counties possessing an historical society, that institution is contacted; information received from such institutions being typically limited to historic structure documentation, however. In summation, a compilation of information derived from the above-listed resources renders the professional archaeologist capable of ascertaining the potential for site discovery on the subject property, given the subject property location and pertinent information regarding both the physical and cultural landscape.

Area Reconnaissance Survey

Following the background research, the principal investigator conducts a windshield reconnaissance survey of the subject property area - supplemented by pedestrian walkover, if warranted - seeking to verify physical landscape attributes both conducive to the finding of cultural material and precluding the finding of such material. Further, in that most of the documentation and information obtained is dated material, the principal investigator is obliged to acknowledge specific alterations in land use, vegetation cover, and stream mechanics for the purpose of identifying survey limitations, etc. As to the potential for the finding of historic resources on or adjoining the subject property, all meaningful areas of historic activity conducted in the project vicinity, as evidenced by the information derived per review of the materials noted above (including cemeteries, structures, trails, roads, mines, etc.), are investigated to the extent possible (via public access).

Phase I Intensive Archaeological Survey

The overall objective in the conducting of a Phase I Intensive Archaeological Survey is to locate sites via a systematic detailed field inspection of the project "impact" area - not exceeding the limits of the FCC undertaking lease, easement, or purchase - based on the adherence to minimal survey guidelines published by MDNR-SHPO. In all instances, the physical aspects of the FCC undertaking site are considered prior to the conduct of the intensive investigation (subsurface testing) - referencing particularly the prior use and disturbance of the site, presence of onsite geographical features, the elevation and slope of the site, distance to perennial or constant sources of water (acknowledging extreme seasonal variability), presence and/or access to quality lithic resources, proximity to recorded archaeological sites, and, of course, the existence of surficial conditions warranting the use of specific tools and equipment in the quest to locate sites. It should be noted that MDNR-SHPO personnel have approved the use of the following equipment (tool kit) utilized by Mark W. Kelly in the conduct of Phase I Intensive Archaeological Surveys - as may be warranted by site-specific limitations: round point blade shovel, sharp-shooter shovel, post hole diggers, four-foot steel-tipped probe, trowels, and box screen of ¼ inch wire mesh. In all instances, the professional judgement of the principal investigator may be exercised, as is permitted a state and federally approved professional archaeologist engaged as principal investigator to effect the overall goal of finding sites. Having conducted Phase I Intensive Archaeological Surveys within the regional area wherein the FCC undertaking is located for a period exceeding twenty years, thereby obtaining substantial experience, including the surveying of drought-stricken areas noted

for the presence of hardpan clay soils and the uplands of the Ozark Plateau noted for its prevalence of stone and rock, the professional judgement of the principal investigator may be relied upon as to the selection of tools considered necessary to effect the goal of a Phase I Intensive Archaeological Survey.

As to survey methodology, the subject property, including access, is first subjected to a pedestrian walkover by transects spaced in accordance with physical characteristics - typically no more than two meters on the limited FCC raw land undertaking sites - conducted for the express purpose of assessing the overall percentage ground surface visibility. Should the ground surface visibility be found to exceed 40 percent over the entirety of the undertaking site, no subsurface testing is conducted. Should the ground surface visibility be obscured by the presence of gravel, stone, rock, or exposed bedrock, no subsurface testing is conducted. Should the slope of the undertaking site exceed 20 percent, no subsurface testing is conducted. Should the undertaking site be found to have previously been disturbed by excavation or earth-moving activities whereby the finding of cultural materials is precluded by use of the Phase I tool kit, no subsurface testing is conducted. As well, additional physical limitations may be found to preclude the conducting of subsurface testing in accordance with a strict testing model, including the presence of abundant tree roots, etc.

Should such limiting factors as described above not be present, the testing guidelines recommended by MDNR-SHPO are implemented: subsurface tests on transects spaced no more than 15 meters apart (49.21 feet). Subsurface tests should be hand excavated (no power auger use) to a diameter width at or exceeding 30 centimeters. As to depth, each test should be excavated 10 centimeters into sterile sub-soil, although numerous raw land sites can be shown to be previously undisturbed, indicating the extreme unlikelihood of cultural material existing below the surface or A-horizon. Regardless, the spoil from each test is screened using a box screen or, if incapable of being screened, sifted by hand and trowel. As approved by MDNR-SHPO, the excavation of five subsurface tests on a 100' by 100' (or smaller) tract has been determined sufficient. Larger tracts require additional testing. As to linear easements, one test excavated every 40 feet has been approved by MDNR-SHPO as an adequate protocol. Any finding of cultural material certainly results in the conducting of multiple additional tests - designed to determine site boundaries with a collection of artifacts made for purposes of documentation and site-sourcing of material by comparison with collections of related sites. It should be noted that statistical analysis has shown that the excavation of one negative test results in the dramatic reduction of potential as to the finding of sites on a 100' by 100' or smaller tract. Again, per MDNR-SHPO, the experience and knowledge of the principal investigator may be exercised at all times in the conduct of the Phase I Intensive Archaeological Survey - including the determination of survey methodology.

Please note: The investigation of any proposed project site located on/within tribal lands - reservation or specific tracts of realty legally designated as Indian country for jurisdictional purposes under the immediate oversight of a NPS-designated Tribal Historic Preservation Officer - may require adherence to the particular survey protocol promulgated by that officer. Should such protocol exist, the preparation of an Addendum to this Summary Document or a separate report may be required.

SUMMARY DOCUMENT PREPARATION

As acknowledged by MDNR-SHPO: "The basic guideline for the preparation of any archeological report should be a combination of professional judgement, competence, and ethics." MDNR-SHPO has determined that it is not necessary to include a discussion of the project environment in any negative archaeological report - identified as any report that does not record the presence of archaeological sites within the project APE. In essence, the failure to find any cultural material relieves the principal investigator of the need to produce a

voluminous document. In sum, this summary document meets or exceeds the Secretary of the Interior's Standards for Archeological Documentation - as interpreted by MDNR-SHPO.

This summary document is a final document and provides the information necessary - as required by MDNR-SHPO - for project managers and oversight personnel to make informed decisions regarding the construction of the FCC undertaking. The results of the Phase I Intensive Archeological Survey conducted on the subject site, as presented herein, may be relied upon by the project managers and oversight personnel - with the qualification that deeply buried cultural resources may be exposed by trenching or below-grade excavation. If such should occur, it is recommended that all construction activity cease within a meaningful radius (minimum 50 feet) until the buried cultural resources may be examined by a professional archaeologist, and MDNR-SHPO notified (contact Judith Deel @ 573.751.7862).

ABSTRACT OF INVESTIGATION

This Summary Document may be described as a *Negative Archaeological Report*. A physical cultural resources investigation was conducted by K&K Environmental LLC (K&K) on the proposed Pyramid Southwest SRF3 raw land tower site, an FCC undertaking site, on 15 June 2012, as described herein. The site address is noted as 14663 State Route E, DeSoto, Jefferson County, Missouri 63020. The tower site appears to be more particularly located in the SE¼ Section 10, Township 38 North, Range 4 East, as shown on the Vineland, MO USGS 7.5-minute series quadrangle map (Figure No. 1); Latitude (North): 38-01-7.22; Longitude (West): 90-34-18.87. The proposed lease property is a 100' by 100' tract with guy wire easements, accessed via to-be-constructed driveway extending west, thence north from entry on State Route E. The FCC undertaking, as proposed, anticipates the construction of a 300'-height guyed tower with associated equipment placed at tower base within a secured 50' by 50' compound on the lease tract.

As to direct effects, the records and literature review disclosed no evidence of previously reported significant cultural resources likely to be affected by the construction of the proposed project - per review of the Archaeology Viewer Map of the project area (attached) summarizing the findings of reports filed for archaeological projects completed in the vicinity. There are no sites recorded on/adjacent to the proposed undertaking and none within an actionable radius of the tower site. It further appears no surveys have been conducted in the project vicinity. Regardless, given the location of the proposed FCC undertaking site on a moderately dissected upland overlooking Tiff Creek, it was determined a Phase I Intensive Archeological Survey should be conducted prior to project construction. The investigation/reconnaissance of the project area did not reveal any evidence of a National Register of Historic Places (NRHP)-eligible historic or prehistoric occupation on the subject property. **The investigators conclude "no effect" as to direct effects.**

In addition, owing to the proposed height of the proposed tower (300'), an architectural survey within a one-mile radius APE was mandated. No NRHP-listed or NRHP-determined eligible properties were identified per review of materials housed at MDNR-SHPO within the APE. The windshield survey did, however, result in the finding of properties possessing the potential to be considered eligible for listing in the NRHP or otherwise warranting further investigation as to listing in the NRHP. In the investigator's opinion, there are no NRHP-eligible properties within the APE for visual effects that will be adversely affected by the proposed FCC undertaking - owing to the intervening undulating terrain and presence of mature vegetation attending the identified properties. **The investigators conclude "no adverse effect" as to indirect effects.**

Based on the results of this investigation, the proposed FCC undertaking will not result in an effect on the cultural resources of Missouri. It is recommended, therefore, that the communications project, as proposed, be permitted to proceed with construction.

DIRECT EFFECTS COMMENTS

Pyramid Southwest SRF3 Archaeological Investigation

Identification: Pyramid Southwest SRF3 raw land tower site
Project: FCC Wireless Communications Project: 300'-height guyed tower
Location: 14663 State Route E, DeSoto, Jefferson County, Missouri 63020; Latitude (North): 38-01-7.22/Longitude (West): 90-34-18.87
Quadrangle(s): SE¼ Section 10, Township 38 North, Range 4 East, as shown on the Vineland, MO USGS 7.5-minute series quadrangle map
UTM Coordinates: Approximate center of proposed project: Zone 15: 713141 E / 4210669 N
Elevation: ±837' amsl
Soil Association: 73977 - Wrengart silt loam, 8-15 percent slopes, eroded
Nearest Water: Tiff Creek
Acreage: Tower Site/Footprint: 100' by 100' (0.2295 acre; 929.06 sq.m.) - excluding guy wire anchor locations/access easement

As noted, the Pyramid Southwest SRF3 raw land tower site is a 100' by 100' tract with guy wire easements, accessed via to-be-constructed driveway extending west, thence north from entry on State Route E. The FCC undertaking, as proposed, anticipates the construction of a 300'-height guyed tower with associated equipment placed at tower base within a secured 50' by 50' compound on the lease tract.

As to direct effects, the records and literature review disclosed no evidence of previously reported significant cultural resources likely to be affected by the construction of the proposed project. Nevertheless, owing to the location of the lease tract, it was determined a Phase I Intensive Archaeological Survey should be conducted prior to project construction.

The entire proposed lease property (tower footprint, guy wire/access easements) was first subjected to a pedestrian review by transects spaced at approximately three meters (note: site is upland hayfield). No cultural materials were observed indicative of a prehistoric or early historic presence on the lease tract and proposed site access easement (surficial visibility on lease tract: 0-5 percent; access road: 0-5 percent). Following the walkover, five (5) screened subsurface tests were excavated on/within the 100' by 100' pad site - one test was located at/near the center of the lease tract and one test was placed at/near the mid-point of each perimeter line of the lease tract. One test was excavated at/near each of the three guy wire anchors and additional tests were excavated, as warranted, on/within the access easement. The soils onsite, per www.websoilsurvey.nrcs.usda.gov, are identified as 73977 - Wrengart silt loam, 8 to 15 percent slopes, eroded, and 73046 - Wrengart silt loam, 3 to 8 percent slopes, eroded. The Wrengart classification references a deep, moderately well drained, silt loam soil on convex ridges/hillslopes that formed in loess over pedisegment over residuum weathered from cherty limestone. The subsurface tests produced relatively small quantities of lithic material (primarily gravel) - none possessing evidence of cultural activity. The investigators conclude the soils underlying the lease tract have not been previously disturbed by other than naturally occurring erosion. In sum, the Phase I Intensive Archaeological Survey did not produce artifactual evidence indicative of a NRHP-eligible early historic or prehistoric occupation on the subject property. Thus, the investigators conclude no prehistoric

or early historic properties affected by the proposed FCC undertaking as to direct effects - no effect as to direct effects. The following table provides the location/results of the locations selected for testing:

SOIL TEST AND/OR OBSERVATION SUMMARY (SEE FIGURE NO. 2/2A FOR SITE PLANS)				
TEST/OBSERVATION LOCATION	SOIL I.D.	DEPTH OF TEST	OBSERVED SOIL STRATIGRAPHY	TEST RESULTS
1 - Center of lease tract: Zone 15: 713141 E / 4210669 N	73977 - Wrengart silt loam, 8 to 15 percent slopes, eroded	±30cm	Surface horizon: depth @ ±15cm - light brown silt loam (no disturbance noted); Underlying subsoil: depth @ ±30cm - darker brown silt loam (no disturbance noted)	Negative
2 - mid-point north perimeter	Same	±40cm	Surface horizon: same Underlying subsoil: depth @ ±40cm - same	Same
3 - mid-point east perimeter	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
4 - mid-point south perimeter	Same	±25cm	Surface horizon: same Underlying subsoil: depth @ ±25cm - same	Same
5 - mid-point west perimeter	Same	±25cm	Surface horizon: same Underlying subsoil: depth @ ±25cm - same	Same
6 - SW guy anchor	Same	±25cm	Surface horizon: same Underlying subsoil: depth @ ±25cm - same	Same
7 - North guy anchor	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
8 - SE guy anchor	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
9 - Access	Same	±40cm	Surface horizon: same Underlying subsoil: depth @ ±40cm - same	Same
10 - Access	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
11 - Access	Same	No Test	Excellent surficial visibility	Same
12 - Access	73046 - Wrengart silt loam, 3 to 8 percent slopes, eroded	No Test	Same	Same
13 - Access	Same	No Test	Same	Same
14 - Access	Same	No Test	Same	Same
15 - Access	73977 - Wrengart silt loam, 8 to 15 percent slopes, eroded	No Test	Same	Same
16 - Access	Same	No Test	Same	Same
17 - Access	Same	±25cm	Surface horizon: depth @ ±15cm - light brown silt loam (no disturbance noted); Underlying subsoil: depth @ ±25cm - darker brown silt loam (no disturbance noted)	Same

SOIL TEST AND/OR OBSERVATION SUMMARY (SEE FIGURE NO. 2/2A FOR SITE PLANS)				
18 - Access	Same	±25cm	Surface horizon: same Underlying subsoil: depth @ ±25cm - same	Same
19 - Access	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
20 - Access	Same	±30cm	Same	Same
21 - Access	Same	No Test	Excellent surficial visibility	Same
22 - Access	Same	±40cm	Surface horizon: same Underlying subsoil: depth @ ±40cm - same	Same
23 - Access	Same	No Test	Excellent surficial visibility	Same

INDIRECT EFFECTS COMMENTS

Pyramid Southwest SRF3 One-mile APE Investigation

As noted above, given the proposed height (300') of the guyed tower, a one-mile radius APE was prescribed, within which all properties were examined for the purpose of assessing NRHP-eligibility on the basis of age and/or uniqueness of architecture. Multiple properties were identified within the APE on the USGS Vineland, MO topographic quadrangle map as potentially aesthetically or otherwise indirectly affected by the construction of the proposed tower. Please refer to the attached Viewshed Analysis Chart which purports to show the optical height of the proposed tower as viewed from the identified structures, assessed in terms of no effect, minimal effect, or effect.

Structure A (Photograph No. 45) is a rural residential property, a two story, three bay, frame structure with gable roof and twin on-side chimneys and hip porch 3,220' distant to the east-southeast of the tower facility/compound site. The dwelling likely does not warrant further consideration as to listing in the NRHP at present. Regardless of eligibility, the residential property appears to be adequately screened from view of the proposed tower site by the intervening undulating terrain and mature vegetation (see attached Figure No. 1A and Viewshed Table).

Structure B (Photograph Nos. 46-48) is a rural residential farmstead composed of a multi-story, frame dwelling with gable roof (siding on the structure), hip roofed-roofed screened porch and multiple outbuildings, including a large vertical plank, gambrel-roofed barn with hay hood, located approximately 3,484' distant to the south-southeast of the tower facility/compound site. The farmstead may warrant further investigation as to listing in the NRHP for its information potential, if not architectural merit. Regardless, the farmstead appears to be partially screened from view of the proposed tower site by the intervening undulating terrain and mature vegetation attending the farmstead (see attached Figure No. 1A and Viewshed Table).

General Information

1) (Select only one) (UA) NE - New UA - Update of Application WD - Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number: 0005296159

Applicant Information

3) FCC Registration Number (FRN): 0002533743
4) Name: Jefferson County 9-1-1 Dispatch

Contact Name

5) First Name: Travis	6) MI:	7) Last Name: Williams	8) Suffix:
9) Title:			

Contact Information

10) P.O. Box: 100	And /Or	11) Street Address: 5475 Buckeye Valley Road	
12) City: House Springs		13) State: MO	14) Zip Code: 63051
15) Telephone Number: (636)797-9797		16) Fax Number: (636)942-3605	
17) E-mail Address: twilliams@jeffco911.org			

Consultant Information

18) FCC Registration Number (FRN): 0013391818
19) Name: GSS, Inc. 3311 109th Street Urbandale, IA 50311 515-331-2103 Attn: Stephen J. Blazenko (gss@gssmidwest.com) or Eugene J. Blazenko

Principal Investigator

20) First Name: Mark	21) MI: W	22) Last Name: Kelly	23) Suffix:
24) Title: Vice President - K&K Environmental LLC			

Principal Investigator Contact Information

25) P.O. Box:	And /Or	26) Street Address: 23184 151st Street	
27) City: Leavenworth		28) State: KS	29) Zip Code: 66048
30) Telephone Number: (913)724-5800		31) Fax Number:	
32) E-mail Address: markkelly1@prodigy.net			

Professional Qualification

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	<input checked="" type="checkbox"/> Yes () No
34) Areas of Professional Qualification: <input checked="" type="checkbox"/> Archaeologist <input checked="" type="checkbox"/> Architectural Historian <input checked="" type="checkbox"/> Historian <input type="checkbox"/> Architect <input type="checkbox"/> Other (Specify) _____	

Additional Staff

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	<input type="checkbox"/> Yes (<input checked="" type="checkbox"/>) No
--	---

If "YES," complete the following:

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

Site Information

Tower Construction Notification System

1) TCNS Notification Number: **86035**

Site Information

2) Site Name: **Southwest Site #SRF3**

3) Site Address: **TBD State Road E**

4) City: **DeSoto**

5) State: **MO**

6) Zip Code: **63020**

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

8) Nearest Crossroads: **State Road E & Upper Blackwell Road**

9) NAD 83 Latitude (DD-MM-SS.S): **38-01-07.2**

() N or () S

10) NAD 83 Longitude (DD-MM-SS.S): **090-34-18.8**

() E or () W

Tower Information

11) Tower height above ground level (include top-mounted attachments such as lightning rods): **91.4** () Feet () Meters

12) Tower Type (Select One):

() Guyed lattice tower

() Self-supporting lattice

() Monopole

() Other (Describe):

Project Status

13) Current Project Status (Select One):

() Construction has not yet commenced

() Construction has commenced, but is not completed

Construction commenced on: _____

() Construction has been completed

Construction commenced on: _____

Construction completed on: _____

Determination of Effect

14) Direct Effects (Select One):

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

15) Visual Effects (Select One):

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

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	<input checked="" type="checkbox"/> Yes () <input type="checkbox"/> No
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>86035</u>	Number of Tribes/NHOs: <u>15</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Absentee-Shawnee Tribe of Indians of Oklahoma

Contact Name

5) First Name: Henryetta	6) MI:	7) Last Name: Ellis	8) Suffix:
9) Title: THPO			

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	

Tribe/NHO Contacted Through TCNS

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

Contact Name

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

Dates & Response

10) Date Contacted <u>06/06/2012</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	<input checked="" type="checkbox"/> Yes () <input type="checkbox"/> No
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>86035</u>	Number of Tribes/NHOs: <u>15</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Iowa Tribe of Kansas & Nebraska

Contact Name

5) First Name: Coreena	6) MI:	7) Last Name: Adkins	8) Suffix:
9) Title: Acting THPO			

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Keweenaw Bay Indian Community

Contact Name

5) First Name: Juliet	6) MI: K	7) Last Name: Goyen	8) Suffix:
9) Title: THPO/NAGPRA Technician			

Dates & Response

10) Date Contacted <u>06/06/2012</u>	11) Date Replied <u>06/12/2012</u>
<input type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input checked="" type="checkbox"/> Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	<input checked="" type="checkbox"/> Yes () <input type="checkbox"/> No
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>86035</u>	Number of Tribes/NHOs: <u>15</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Miami Tribe of Oklahoma

Contact Name

5) First Name: George	6) MI:	7) Last Name: Strack	8) Suffix:
9) Title: THPO			

Dates & Response

10) Date Contacted <u>06/06/2012</u>	11) Date Replied <u>06/06/2012</u>
<input type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input checked="" type="checkbox"/> Replied/Other	

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Omaha Tribe of Nebraska

Contact Name

5) First Name: Armen	6) MI:	7) Last Name: Sheridan	8) Suffix:
9) Title: Chairman			

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) Yes (<input type="checkbox"/>) No
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>86035</u>	Number of Tribes/NHOs: <u>15</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribal/NHO Contacted Through TCNS

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

Contact Name

5) First Name: Dr. Andrea	6) MI: A	7) Last Name: Hunter	8) Suffix:
9) Title: THPO			

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Peoria Tribe of Indians of Oklahoma

Contact Name

5) First Name: Frank	6) MI:	7) Last Name: Hecksher	8) Suffix:
9) Title: Special Projects Manager/NAGPRA			

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) Yes (<input type="checkbox"/>) No
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>86035</u>	Number of Tribes/NHOs: <u>15</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Ponca Tribe of Nebraska

Contact Name

5) First Name: Gary	6) MI:	7) Last Name: Robinette	8) Suffix:
9) Title: Director of Cultural Affairs			

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Prairie Band Potawatomi Nation

Contact Name

5) First Name: Steve	6) MI:	7) Last Name: Ortiz (Mon-wah)	8) Suffix:
9) Title: Chairman			

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) Yes (<input type="checkbox"/>) No
--	---

2a) Tribes/NHOs contacted through TCNS Notification Number: <u>86035</u>	Number of Tribes/NHOs: <u>15</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribes/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Quapaw Tribe of Oklahoma c/o Conner & Winters

Contact Name

5) First Name: Wendy	6) MI: A	7) Last Name: Huntzinger	8) Suffix:
9) Title: Paralegal & Quapaw TCNS Representative			

Dates & Response

10) Date Contacted <u>06/06/2012</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

Tribes/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Sac & Fox Tribe of the Mississippi in Iowa

Contact Name

5) First Name: Johnathan	6) MI: L	7) Last Name: Buffalo	8) Suffix:
9) Title: Historic Preservation Director			

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied <u>06/19/2012</u>
<input type="checkbox"/> No Reply <input checked="" type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	<input checked="" type="checkbox"/> Yes () <input type="checkbox"/> No
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>86035</u>	Number of Tribes/NHOs: <u>15</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribes/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Seneca-Cayuga Tribe of Oklahoma

Contact Name

5) First Name: Paul	6) MI:	7) Last Name: Barton	8) Suffix:
9) Title: THPO/NAGPRA REP.			

Dates & Response

10) Date Contacted <u>06/06/2012</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	

Tribes/NHO Contacted Through TCNS

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

Contact Name

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

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied <u>06/08/2012</u>
<input type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input checked="" type="checkbox"/> Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	<input checked="" type="checkbox"/> Yes () No
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>86035</u>	Number of Tribes/NHOs: <u>15</u>
2b) Tribes/NHOs contacted through an alternate system:	Number of Tribes/NHOs: <u>0</u>

Tribes/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: United Keetoowah Band of Cherokee Indians

Contact Name

5) First Name: Lisa	6) MI: C	7) Last Name: LaRue-Baker	8) Suffix:
9) Title: Acting THPO			

Dates & Response

10) Date Contacted <u>06/07/2012</u>	11) Date Replied <u>06/28/2012</u>
<input type="checkbox"/> No Reply	
<input checked="" type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	

Other Tribes/NHOs Contacted

Tribe/NHO Information

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

Contact Name

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

Contact Information

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

Dates & Response

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

Historic Properties

Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	() <u>Yes</u> (X) <u>No</u>
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	() <u>Yes</u> (X) <u>No</u>
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	() <u>Yes</u> (X) <u>No</u>

Historic Property

4) Property Name:
5) SHPO Site Number:

Property Address

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

Status & Eligibility

11) Is this property listed on the National Register? Source: _____	() <u>Yes</u> () <u>No</u>
12) Is this property eligible for listing on the National Register? Source: _____	() <u>Yes</u> () <u>No</u>
13) Is this property a National Historic Landmark?	() <u>Yes</u> () <u>No</u>

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

Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN):
2) Name: County of Jefferson

Contact Name

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

Contact Information

8) P.O. Box:	And /Or	9) Street Address: 725 Maple Street	
10) City: Hillsboro		11) State: MO	12) Zip Code: 63050
13) Telephone Number: (636)797-5310		14) Fax Number:	
15) E-mail Address:			
16) Preferred means of communication:			
<input type="checkbox"/> E-mail			
<input checked="" type="checkbox"/> Letter			
<input type="checkbox"/> Both			

Dates & Response

17) Date Contacted 06/18/2012	18) Date Replied _____
<input checked="" type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other	

Additional Information

19) Information on local government's role or interest (optional):
--

Other Consulting Parties

Other Consulting Parties Contacted

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

Consulting Party

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

Contact Name

4) First Name: Betty	5) MI:	6) Last Name: Olson	7) Suffix:
8) Title:			

Contact Information

9) P.O. Box:	And /Or	10) Street Address: 712 South Main Street	
11) City: DeSoto	12) State: MO	13) Zip Code: 63020	
14) Telephone Number: (636)586-3858		15) Fax Number:	
16) E-mail Address: bettyolsen27@gmail.com			
17) Preferred means of communication: (<input type="checkbox"/>) E-mail (<input checked="" type="checkbox"/>) Letter (<input type="checkbox"/>) Both			

Dates & Response

18) Date Contacted 06/18/2012	19) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Additional Information

20) Information on other consulting parties' role or interest (optional):

Other Consulting Parties

Other Consulting Parties Contacted

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

Consulting Party

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

Contact Name

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

Contact Information

9) P.O. Box:	And /Or	10) Street Address: 200 South Main Street c/o The Spotted Horse Antique Shop	
11) City: DeSoto		12) State: MO	13) Zip Code: 63020
14) Telephone Number: (999)999-9999		15) Fax Number:	
16) E-mail Address: contactus@desotohistoricalsociety.com			
17) Preferred means of communication: (<input type="checkbox"/>) E-mail (<input checked="" type="checkbox"/>) Letter (<input type="checkbox"/>) Both			

Dates & Response

18) Date Contacted 06/18/2012	19) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Additional Information

20) Information on other consulting parties' role or interest (optional):

Designation of SHPO/THPO

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

SHPO/THPO

Name: Missouri State Department of Natural Resources (Deputy SHPO)

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

SHPO/THPO Name: _____

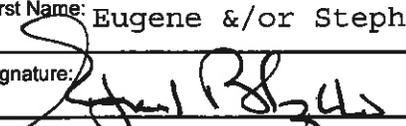
SHPO/THPO Name: _____

SHPO/THPO Name: _____

Certification

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

Party Authorized to Sign

First Name: Eugene &/or Stephen	MI: J	Last Name: Blazenko	Suffix:
Signature: 			Date: 07/03/12

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

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

Attachments :

Type	Description	Date Entered
Resumes/Vitae	Mark Kelly Resume	07/03/2012
Area of Potential Effects	APE Topo	07/03/2012
Maps	Maps and Drawings	07/03/2012
Photographs	Photographs	07/03/2012
Tribal/NHO Involvement	Tribal Letter	07/03/2012
Other	Footnote	07/03/2012
Historic Properties for Direct Effects	Direct Effects	07/03/2012
Historic Properties for Visual Effects	Visual Effects	07/03/2012
Local Government Involvement	Local Government Letter	07/03/2012
Local Government Involvement	HPC Letters	07/03/2012
Public Involvement	Affidavit	07/03/2012

MARK WILLIAM KELLY
Vice President
K&K Environmental LLC
23184 151st Street
Leavenworth, Kansas 66048
office - (913) 724.5800 / mobile - (913) 634.8057
markwkelly1@prodigy.net

EDUCATION

- | | | |
|------------------|---|---|
| B.A. | - | Central State University (<i>renamed</i> University of Central Oklahoma)
Edmond, Oklahoma: History/Museum Studies - 1986 |
| M.A. | - | Central State University (<i>renamed</i> University of Central Oklahoma)
Edmond, Oklahoma: History - 1987 |
| J.D. | - | University of Oklahoma College of Law
Norman, Oklahoma: Federal Indian Law/Historic Preservation
Law/Environmental Law - 1990 |
| Ph.D.
Program | - | University of Oklahoma School of Liberal Arts
Norman, Oklahoma: Cultural Anthropology/Archaeology - 1990-1993 |

PROFESSIONAL EXPERIENCE

Archaeologist / Architectural Historian / Historian - Cultural Resources Management

Twenty-three years experience as a professional archaeologist, architectural historian, and historian (includes nineteen years experience as a principal investigator) in National Historic Preservation Act (NHPA) Section 106 compliance and cultural resources management. Experience includes Native American consultation, historic structures assessments, artifact identification/cataloging, document production, development and implementation of mitigation plans, and the preparation of cultural resource management plans in accordance with federal agency (primarily Department of Energy, Army Corps of Engineers, and Federal Communications Commission) and state agency guidelines (Missouri, Kansas, Nebraska and Oklahoma). Specific experience includes Phase I identification surveys and Phase II National Register of Historic Places eligibility testing of prehistoric and historic archaeological sites resulting from the permitting and construction of wireless communications/broadcast facilities, petroleum/gas/water pipelines, power generation facilities, wastewater treatment plants, water resources and recreation facilities, and highway and railroad right-of-way construction projects.

Attorney - Environmental Permitting

Sixteen years experience as a licensed environmental permitting and historic preservation attorney and twelve years experience as a senior-level project manager for a variety of architectural and engineering site development projects, including wireless communications facilities, state highway construction corridors, railroad spurs, transmission lines, and oil, gas, and water pipelines. Specific duties include preparation of Phase I and Phase II ASTM Standard Environmental Site Assessments (ESAs), environmental regulatory review, local, state and federal agency and tribal permitting consultation for National Environmental Policy Act (NEPA) and NHPA Section 106 compliance documents and preparation and review of environmental assessment (EA) and environmental impact statement (EIS) documents for submittal to federal review agencies (primarily Federal Communications Commission and U.S. Army Corps of Engineers; includes research, documentation, and review of site-specific environmental consequences of project activities on various topics: public land use, prime farmland, social and economic considerations, air quality, water resources, wetlands/waters of the U.S., floodplains, threatened and endangered species, historic and archaeological preservation and hazardous waste sites).

EMPLOYMENT SUMMARY

Vice President, K&K Environmental LLC, Leavenworth, Kansas - December 1999 to present. Conduct NHPA and NEPA-mandated investigations (including archaeological and historical architectural property assessments) and prepare federal and state environmental documentation required to permit numerous development projects and conduct realty site assessments for a variety of clientele. Duties include preparation of ASTM Standard Environmental Site Assessments, project oversight, consultant management and records management. Responsibilities also include hosting training sessions in the conducting of Phase I and Phase II Environmental Site Assessments and National Environmental Policy Act (NEPA) investigation and the preparation of summary reports. Representative firms include: Terracon, American Tower Corporation, and GeoSystems.

Senior-Level Project Manager/Environmental Permitting Attorney/Cultural Resources Director, George Butler Associates, Inc. Engineers and Architects, Kansas City, Missouri - July 1993 to December 1999. Senior-level Project Manager charged with oversight of environmental compliance and cultural resources concerns for a variety of civil engineering/architectural site development projects, including oversight of multi-discipline personnel, budget preparation, project scheduling, and the identification and procurement of required permits/approvals for construction.

Attorney/Archaeologist, Black & Veatch Engineering, Overland Park, Kansas - June 1992 to July 1993. Legal and environmental staff member responsible for the identification and procurement of environmental permits required for project construction. Principal Investigator for all archaeological projects required to comply with Section 106 of the NHPA.

Archeologist, Oklahoma Archeological Survey, Norman, Oklahoma - August 1991 to June 1992. Conducted archaeology investigations and prepared Section 106 compliance reports for numerous public energy-related projects.

Attorney (practice limited to Native American clientele), Rick Moore Law Firm, Chickasha/Norman Oklahoma - April 1991 to May 1992. Conducted investigations, prepared briefs, and presented evidence for numerous torts-law and environmental cases in behalf of the tribes residing in the Anadarko Basin of

Oklahoma. Assisted with the drafting of the current Caddo Nation constitution and prepared documents pertaining to the implementation of environmental protection strategies.

AFFILIATIONS (2000-2005)

<i>Oklahoma Bar Association</i>	<i>Missouri Historical Society</i>
<i>National Trust for Historic Preservation (not current)</i>	<i>Society for Historical Archaeology (not current)</i>
<i>Plains Anthropological Society (not current)</i>	<i>Missouri Archaeological Society</i>
<i>Oklahoma Archeological Survey</i>	<i>Kansas Anthropological Association (not current)</i>
<i>Nebraska State Historical Society</i>	<i>Oregon-California Trails Association</i>

LICENSES

Oklahoma Bar Association, License No. 014760

Certified Environmental Inspector, CEI No. 14466

SCHOLASTIC ACTIVITIES & HONORS

Scholar-in-Residence: University of Central Oklahoma - 2002

Distinguished Former Student Award: University of Central Oklahoma - 2000

Summa Cum Laude Graduate Degree: University of Central Oklahoma - M.A. - 1987

Edward Everett Dale Award Winner: Outstanding Graduate Student in History/Geography Department, Central State University - 1987

American Indian Law Review - University of Oklahoma College of Law

Phi Alpha Theta: International History Fraternity, Rho Lambda Chapter

Phi Delta Phi: International Legal Fraternity, Holmes Inn

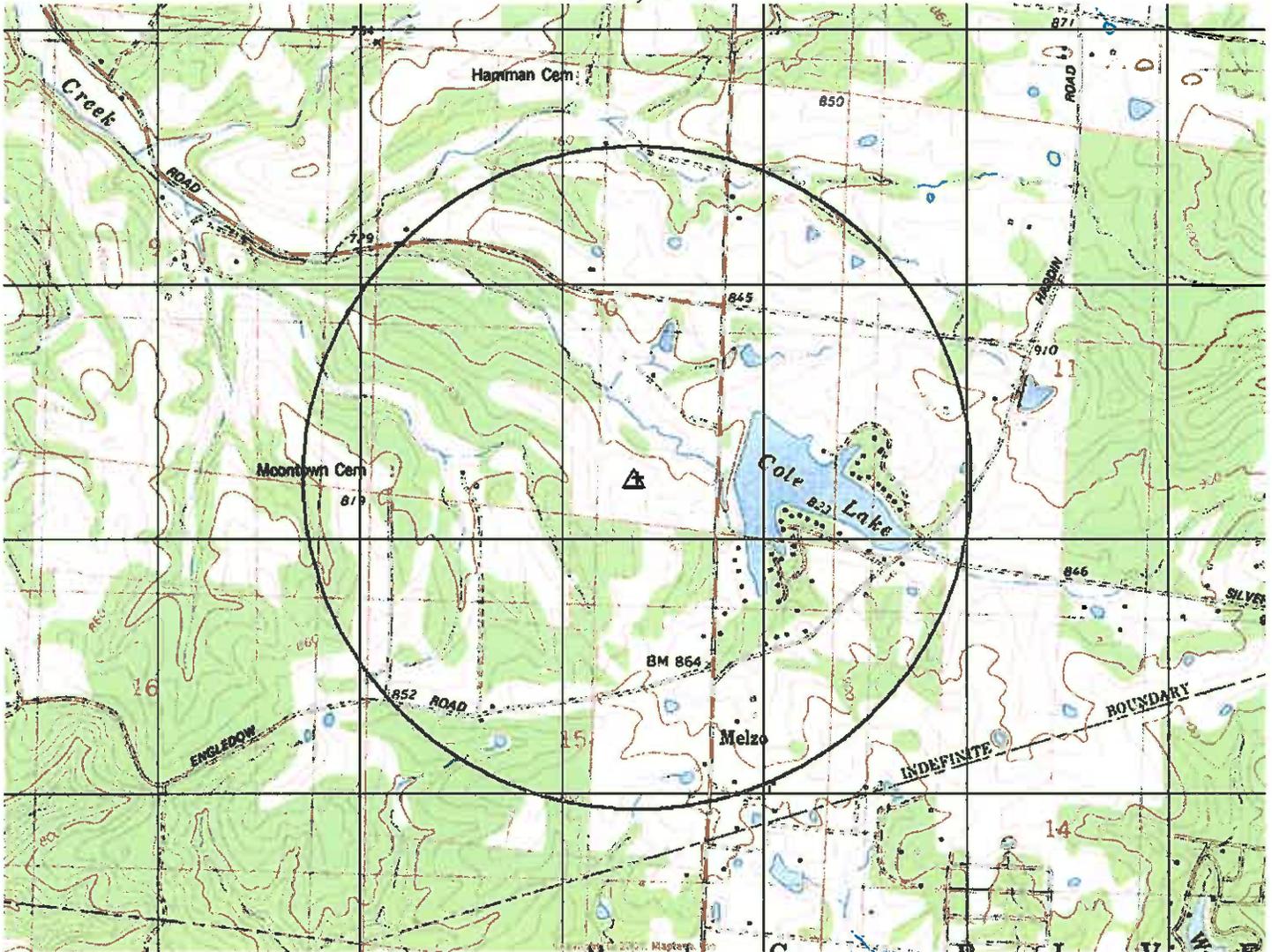
REFERENCES

Brant Vollman/Alison Dubbert
Historic Preservation Program
Missouri Department of Natural Resources
P.O. Box 176
Jefferson City, Missouri 65102
(573.526.1680)

Dr. Robert Brooks/Dr. Marjorie Duncan
Oklahoma Archaeological Survey
111 E. Chesapeake
Norman, Oklahoma 73019-5111
(405.325.7211)



T 38 N, R 4 E



Circle Illustrates 1/4 Mile Area of Potential Effects (APE)

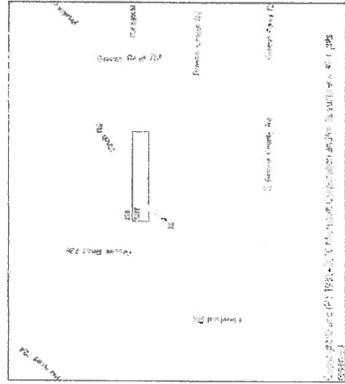
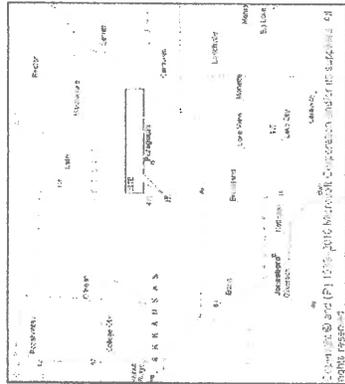
PYRAMID NETWORK SERVICES LLC	
PROPOSED 300 FT. GUYED TOWER	
SITE NAME#: SOUTHWEST / SITE #SRF3	PROJ. NO. V12619
DATE: 2012	LOCATION: DESOTO, MO
SCALE: 1:24000	QUAD NAME: VINELAND, MO 1981 QD.
	

FIG. 1

JEFFERSON COUNTY 911 DISPATCH



SRF3 SW
14663 STATE RD. E
DESOTO, MO 63020



infinigy
engineering

2255 SEWELL MILL ROAD
 SUITE 130
 MARIETTA, GA 30062
 OFFICE (770) 444-4472
 FAX # (770) 444-4472



MOTOROLA SOLUTIONS



Pyramid Network Services, LLC



NOTE: ALL CONSTRUCTION
ACTIVITIES SHALL BE DONE
IN ACCORDANCE WITH
MOTOROLA'S R-56 DESIGN
STANDARDS.

GENERAL PROJECT DESCRIPTION:
CONSTRUCTION OF PUBLIC SAFETY COMMUNICATION SYSTEM
CONSISTING OF INSTALLATION: ANTENNAS AND APPURTENANCES
ON AN PROPOSED 300' GUYED TOWER, PRE-FAB EQUIPMENT
SHELTER, GENERATOR & CIVIL CONSTRUCTION. NO WATER OR
SEWER IS REQUIRED.

PROJECT INFORMATION

SITE NAME: SRF3 SW
SITE ADDRESS: 14663 STATE RD. E
 DESOTO, MO 63020
TAX MAP: SECTION 10, TOWNSHIP 36N, RANGE 4E,
 PARCEL ID 262010008
CONSTRUCTION AREA: ±28,300 SQ. FT.
LATITUDE: 36° 1' 7.29" N, NAD83
LONGITUDE: 90° 34' 15.87" W, NAD83

PROJECT DIRECTORY

LAND OWNER: MARY KITE
APPLICANT: JEFFERSON COUNTY 911 DISPATCH
CONTACT: TRAVIS WILLIAMS
 5475 BUCKEYE VALLEY RD.
 HOUSE SPRINGS, MO 63051
 (636) 797-9797

MOTOROLA REPRESENTATIVE: NELLY FLORES
 (847) 274-2152

PROJECT MANAGER: PYRAMID NETWORK SERVICES, LLC
 6519 TOWPATH ROAD
 EAST SYRACUSE, NY 13057

CONTACTS: DON COTTRELL (573) 298-3502
ENGINEER: INFINIGY ENGINEERING
 2255 SEWELL MILL ROAD
 SUITE 130
 MARIETTA, GA 30062

CONTACT: LEANNE BRYAN - (678) 444-4463
POWER COMPANY: AMEREN 314-992-6618
TELCO COMPANY: SPRINT 573-634-1600

DRAWING INDEX

DRWG. #	TITLE	REV.#	DATE
01	TITLE SHEET	0	05/24/12
02	SURVEY	0	05/24/12
03	OVERALL SITE PLAN	0	05/24/12
04	ENLARGED SITE PLAN	0	05/24/12
05	TOWER ELEVATION & DETAILS	0	05/24/12



PLOT PLAN

N/F
REANDO
BK 664, PG 363
ZONE LRZ

N/F
BLACKWELL
BK 626, PG 783
ZONE LRZ

1469.53'
S84°49'25"E
UPPER BLACKWELL ROAD

N/F
HEUER
BK 632, PG 381
ZONE LRZ

1265.53'
S00°00'00"E

N/F
KITE
BK 08R031015, PG 20080811
ZONE LRZ

PARENT PARCEL

THE WEST HALF OF THE SOUTHEAST QUARTER
OF SECTION TEN (10), TOWNSHIP THIRTY-EIGHT
(38), RANGE FOUR (4) EAST.
ALSO, TEN (10) ACRES OFF OF THE EAST SIDE
OF THE SOUTHEAST QUARTER OF THE
SOUTHWEST QUARTER OF SECTION TEN (10),
TOWNSHIP THIRTY-EIGHT (38), RANGE FOUR (4)
EAST, JEFFERSON COUNTY, MISSOURI.

LESS AND EXCEPTING THEREFROM, THAT PART
CONVEYED TO STATE OF MISSOURI, BY
INSTRUMENT RECORDED IN BOOK 244, PAGE 21.

PARCEL # 262.010.0 008
DOC. NO. 08R031015-20080811

2640.21'
N00°00'00"E

223.97'
S85°39'26"E

1368.70'
S01°19'31"W

N/F
ISRIG
BK 11R026443, PG
200110826
ZONE LRZ

N/F
BOEVING
BK 08R046578, PG
20081212
ZONE LRZ

1725.58'
S84°49'00"E

STATE ROAD E

ASPHALT ROAD

TREE LINE

TREE LINE

TREE LINE

RIGHT OF WAY AND DRAINAGE
EASEMENT BOOK 244, PAGE 21,
EASEMENT BOOK 169, PAGE 520,
EASEMENT TO UEL, EXISTING POLES
AND LINES IN RIGHT OF WAY

N/F
HACENSEKER
BK 550, PG 231
ZONE R10

**SITE ID
#SRF3**

STATE ROAD E
JEFFERSON COUNTY,
MISSOURI

GRAPHIC SCALE



(IN FEET)
1 inch = 300 ft.



SITE LIES IN "ZONE X"
ACCORDING TO THE FEMA
FIRM MAP NUMBER
29099C0450E, EFFECTIVE
DATE APRIL 3, 2006

No.	Date	Revision Description
1	5/23/12	PRELIMINARY PLOT PLAN

**JOB NUMBER:
3335**

MINNICK SURVEYING
7805 BIG BEND BLVD., STE. 101
ST. LOUIS, MO 63119
PHONE: (314) 721-9500
FAX: (314) 721-9501
MINNICKSURVEYING.COM

S1

SHEET 1 OF 1

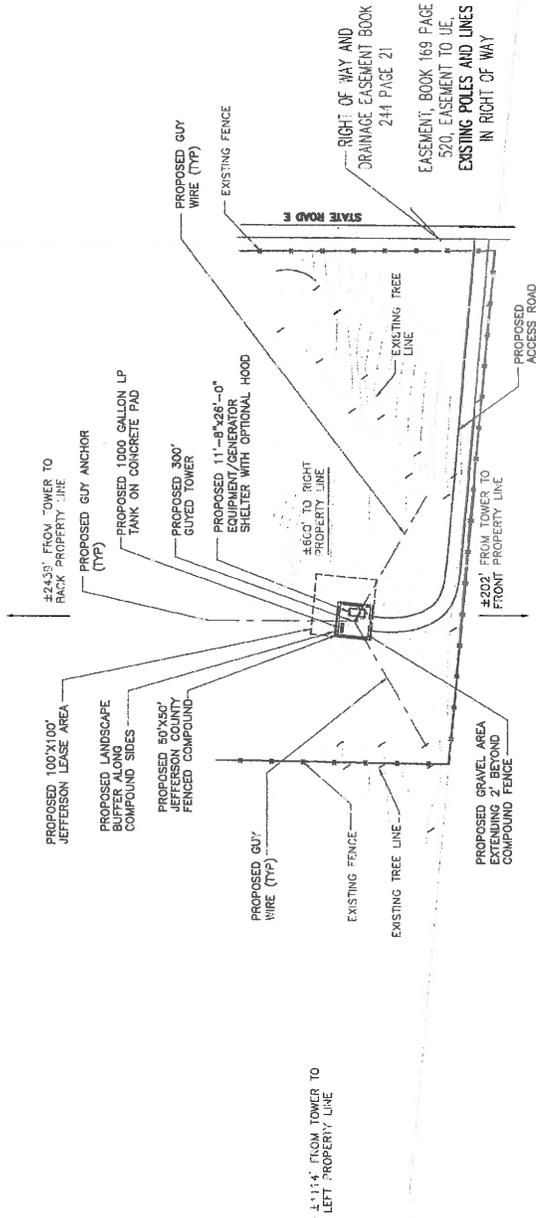
E
W/F
COLE
3K 428, PG 96
ZONE R10

PARCEL # 282010003
R10 ZONING

CONSTRUCTION AREA: ±28,300 SQ FT

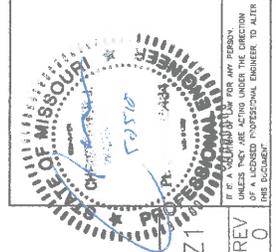
SETBACKS	
	PROPOSED
FRONT SETBACK (S)	±202 FT.
BACK SETBACK (N)	±2,439 FT.
LEFT SETBACK (W)	±1,114 FT.
RIGHT SETBACK (E)	±600 FT.

NOTE:
SITE DOES NOT FALL WITHIN A
FLOODWAY/00 YR FLOODPLAIN
ON OR WITHIN 200' OF SITE.



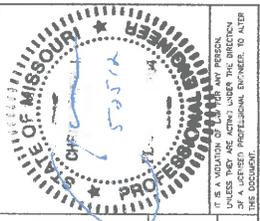
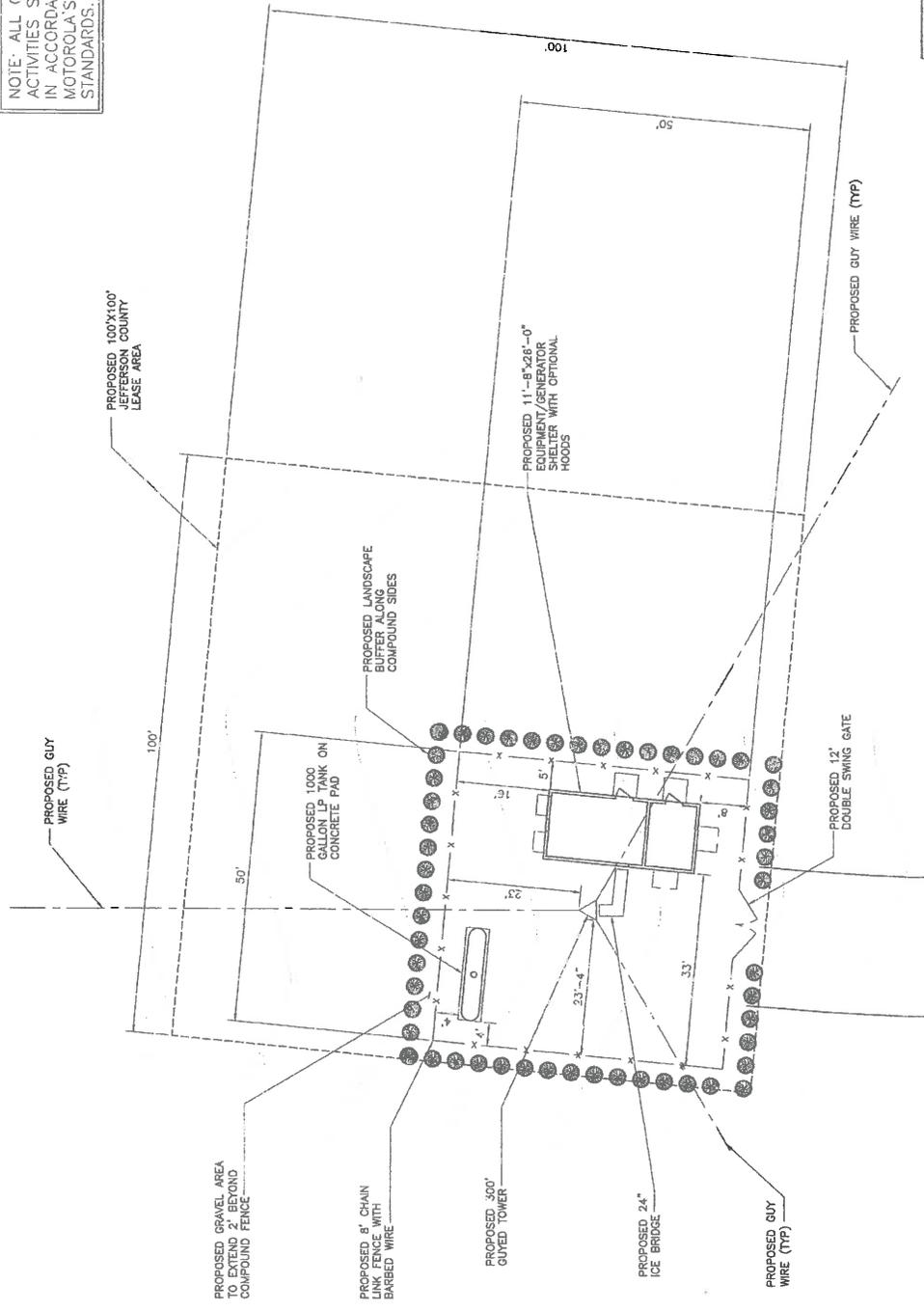
NOTE: ALL CONSTRUCTION
ACTIVITIES SHALL BE DONE
IN ACCORDANCE WITH
MOTOROLA'S R-56 DESIGN
STANDARDS.

NOTE: BASELAPPING PREPARED FROM A
SURVEY PERFORMED BY VS
MINNICK SURVEYING DATED
05/07/12



				SRF3 SW 14683 STATE RD DE SOTO, MO 65202		OVERALL SITE PLAN JEFFERSON COUNTY, MO		Z1	
NO.	DATE	ISSUED FOR ZONING	DATE	BY	CHK	APP'D	REV	0	

NOTE: ALL CONSTRUCTION ACTIVITIES SHALL BE DONE IN ACCORDANCE WITH MOTOROLA'S R-56 DESIGN STANDARDS.



ENLARGED SITE PLAN/STAKING PLAN
SCALE: 1" = 30'
CALLED HORTI-

ENLARGED SITE PLAN
JEFFERSON COUNTY, MO
Z2
REV 0

SRF3 SW
14683 STATE RD
DE SOTO, MO 63020



infinigy
engineering & architecture
2258 SHERILL HILL ROAD
WARREN, MO 64090
678-644-4483
127-XXX

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	02/24/12	ISSUED FOR ZONING	CJM	CJM	CJM

IT IS A VIOLATION OF THIS SEAL FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE REGISTERED PROFESSIONAL ENGINEER, TO ACCEPT THIS DOCUMENT.

GENERAL NOTES:

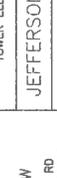
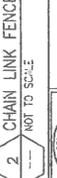
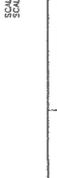
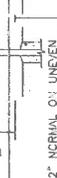
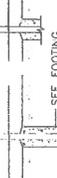
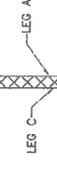
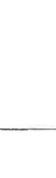
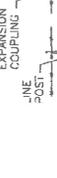
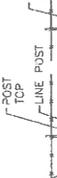
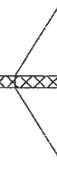
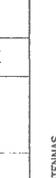
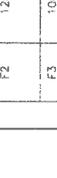
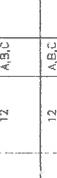
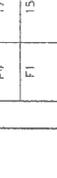
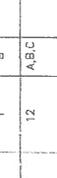
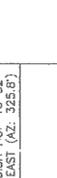
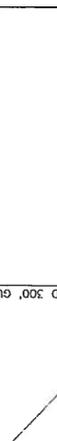
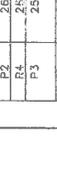
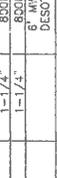
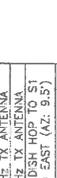
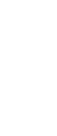
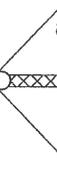
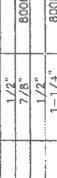
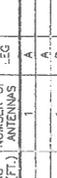
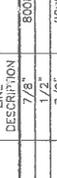
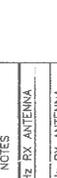
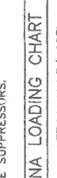
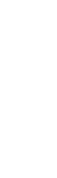
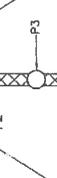
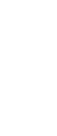
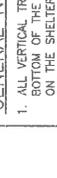
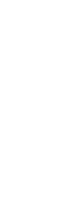
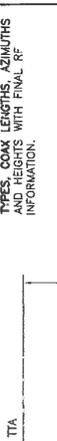
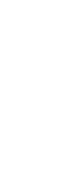
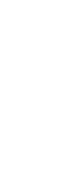
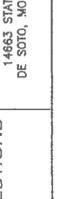
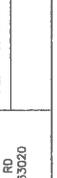
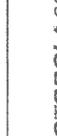
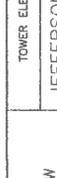
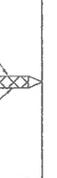
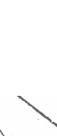
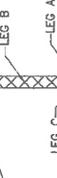
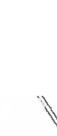
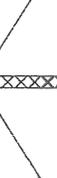
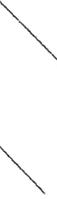
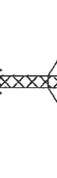
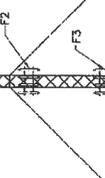
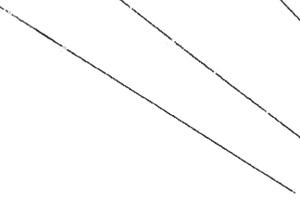
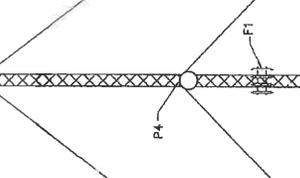
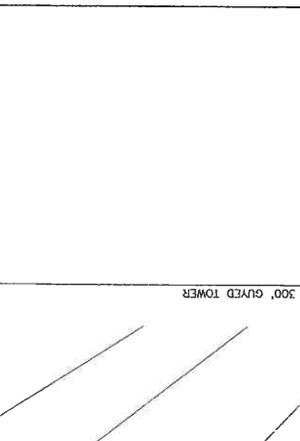
1. ALL VERTICAL TRANSMISSION LINE RUNS FROM THE ANTENNAS SHALL BE GROUNDED NEAR THE TOP AND ON THE SHIELDED PORTION OF THE TOWER. THE TOWER SHALL BE GROUNDED AT THE TOWER FOOT ON THE SHIELDED PORTION OF THE TOWER. ADDITIONAL TRANSMISSION LINE GROUND KITS SHALL BE INSTALLED AS NEEDED TO LIMIT THE DISTANCE BETWEEN GROUND KITS TO 75 FEET.
2. THE CONTRACTOR SHALL CONDUCT A SWEEP TEST ON ALL THE NEWLY INSTALLED TRANSMISSION LINES TO THE ANTENNAS TO VERIFY THE CONDUCTOR RESISTANCE, CABLE INSERTION LOSS, REFLECTION AND STIMULUS RESPONSE MEASUREMENTS.
3. DRIP LOOPS SHALL BE INCORPORATED IN CABLE RUNS TO PREVENT WATER FROM TRICKLING DOWN THE LINES INTO THE BUILDING.
4. ALL TRANSMISSION LINES SHALL BE MARKED WITH APPROPRIATE COLOR TAPE BANDS (ONE INCH WIDE COLOR TAPE) FOR IDENTIFICATION NEAR THE ANTENNA. JUST BEFORE ENTERING THE BUILDING AS WELL AS INSIDE THE BUILDING, BEFORE CONNECTING TO THE SURGE SUPPRESSORS.

NOTES:

1. CONTRACTOR TO CONFIRM ANTENNA MAKE, MODEL, PARTS, ADJUSTS AND HEIGHTS WITH PMP LTR INFORMATION.

PROPOSED ANTENNA LOADING CHART

LOADING NUMBER	LOADING HEIGHT (FT.)	NUMBER OF ANTENNAS	LEG	ANTENNA MAKE/MODEL	LINE DESCRIPTION	LINE NOTES
P1	288	1	A	ANTEL BCR-800J3-EDIN-3-25	7/8"	800MHZ RX ANTENNA
TTA	288	1	A	800MHZ RX TTA	7/8"	800MHZ RX ANTENNA
P1	288	1	B	ANTEL BCR-800J3-EDIN-3-25	7/8"	800MHZ RX ANTENNA
TTA	288	1	B	800MHZ RX TTA	7/8"	800MHZ RX ANTENNA
P2	268	1	A	ANTEL BCR-800J3-EDIN-3-25	1-1/4"	800MHZ TX ANTENNA
TTA	268	1	A	800MHZ TX TTA	1-1/4"	800MHZ TX ANTENNA
P2	268	1	B	ANTEL BCR-800J3-EDIN-3-25	1-1/4"	800MHZ TX ANTENNA
TTA	268	1	B	800MHZ TX TTA	1-1/4"	800MHZ TX ANTENNA
P3	250	1	B	RFS PA06-56B	1-1/4"	6" MW DISH HOP TO S1 DESOTO EAST (AZ: 9.5°)
P4	175	1	B	RFS PA06-56B	1-5/8"	6" MW DISH HOP TO S2 DESOTO EAST (AZ: 325.6°)
F1	150	12	A,B,C	12' DEFAULT CELL PANEL ANTENNAS	7/8"	
F2	125	12	A,B,C	12' DEFAULT CELL PANEL ANTENNAS	7/8"	
F3	100	12	A,B,C	12' DEFAULT CELL PANEL ANTENNAS	7/8"	



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 13
Comments: View E.
View of proposed tower
facility/compound site from
vantage at/near west perimeter of
compound enclosure.



Photo No: 14
Comments: View N.
View of adjoining property to
north of proposed tower
facility/compound site.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 15
Comments: View NE.
View of adjoining property to
northeast of proposed tower
facility/compound site.



Photo No: 16
Comments: View E.
View of adjoining property to east
of proposed tower
facility/compound site.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 17
Comments: View SE.
View of adjoining property to
southeast of proposed tower
facility/compound site.



Photo No: 18
Comments: View S.
View of adjoining property to
south of proposed tower
facility/compound site.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 19
Comments: View SW.
View of adjoining property to southwest of proposed tower facility/compound site.



Photo No: 20
Comments: View W.
View of adjoining property to west of proposed tower facility/compound site.





3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions

June 29, 2012

**REFERENCE:
FCC'S TCNS #86035**

Project #V12619

Mr. Frank Hecksher, Special Projects Manager/NAGPRA
Peoria Tribe of Indians of Oklahoma
118 S. Eight Tribes Trail, P.O. Box 1527
Miami, OK 74355-1527

**RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE
#SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI**

Dear Mr. Hecksher:

In accordance with federal law, GSS, Inc. is in the process of completing a NEPA Checklist/Section 106 Compliance at the above referenced site. The proposed site is scheduled to contain a 300' guyed tower and equipment shelter. The FCC sent a notice from the Tower Construction Notification System (TCNS) on June 7, 2012 providing initial information for this project. Additional detailed information regarding the site location is as follows:

Address:	TBD State Road E, DeSoto, Jefferson County, Missouri		
Quadrangle:	Vineland, MO 1981		
Latitude:	38° 1' 7.2"	Longitude:	90° 34' 18.8"
Section 10, Township 38N, Range 4E			

We respectfully invite your participation and input in the review of this project under federal law in determining if the site is on or within the viewshed of properties listed or eligible for listing on the National Register of Historic Places or is on or within the viewshed of Native American religious sites that have cultural significance to Native American Tribes.

Enclosed for your review are the following items:

- A Phase I Intensive Archaeological Survey by K&K Environmental which concluded that no further archaeological work needed to be performed; report includes a USGS Quadrangle map, project sketch/drawings, an aerial photograph, photographs of the proposed location as well as the surrounding area.
- A check for the requested research/handling/processing fee, etc.

This project is being submitted to the Missouri SHPO office as of the date of this letter and we will forward their review letter upon receipt.

Please contact me if you have any questions or would like further information regarding this proposed project.

Please communicate at your earliest convenience your interest or lack of interest in this project. Please respond by phone (800-373-6761), fax (515-331-1728), email (cjohnson@gssmidwest.com), regular mail (3311 109th Street, Urbandale, IA 50322) or through the FCC's TCNS. Thank you for your attention to this matter.

Yours truly,
GSS, Inc.

Candace J. Johnson
Enclosures

July 3, 2012

Footnote to Historic Properties:

There were no historic properties found during the record search.

However, potentially eligible properties were identified during field survey (ref. Archaeological /Architectural Viewshed Investigations) in Attachments.

**NATIONAL HISTORIC PRESERVATION ACT (NHPA) SECTION 106
ARCHAEOLOGICAL / ARCHITECTURAL VIEWSHED INVESTIGATIONS
GSS, INC. WIRELESS COMMUNICATIONS PROJECT
PYRAMID SITE: SOUTHWEST SRF3 RAW LAND TOWER SITE
JEFFERSON COUNTY, MISSOURI**

FCC PROJECT

**Prepared for:
GSS, INC.
3311 109th Street
Urbandale, Iowa 50322**

**Prepared by:
K&K ENVIRONMENTAL LLC
23184 151st Street
Leavenworth, Kansas 66048**

21 June 2012

MDNR-SHPO LIBRARY INFORMATION

SHPO Log Number:

USGS Quadrangle: VINELAND

County: JEFFERSON

Drainage Basin: MERAMEC

Watershed: BIG

K&K Project No. 004165

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
 HISTORIC PRESERVATION PROGRAM
 P.O. BOX 176, JEFFERSON CITY, MISSOURI 65102
 (573) 751-7858
SECTION 106 SURVEY MEMO

SHPO USE ONLY	
REVIEWER	
DATE	SHPO LOG #
<input type="checkbox"/> ACCEPTED	<input type="checkbox"/> REJECTED

1) HPP 106 PROJECT #

LOCATION INFORMATION AND SURVEY CONDITIONS

2) COUNTY(S) Jefferson		
3) QUADRANGLE Vineland	4) PROJECT TYPE/TITLE Pyramid Southwest SRF3 Tower Site	
5) FUNDING/PERMITTING FEDERAL AGENCY(S) Federal Communications Commission		
6) SECTION 10	7) TOWNSHIP 38 North	8) RANGE 4 East
9) U.T.M. Zone 15: 713141 E; 4210669 N		
10) PROJECT DESCRIPTION Construct 300'-height guyed tower w/i 100' by 100' lease with access/guy wire easements		
11) TOPOGRAPHY Moderately dissected upland overlooking Tiff Creek		
12) SOILS Wrengart silt loam, 3-8% slope, eroded, and 8-15% slope, eroded		
13) DRAINAGE Meramec - Big (after Weichman)		
14) LAND USE/GROUND COVER (INCLUDING % VISIBILITY) Agricultural (pasture/hayfield); visibility: approximately 5 percent		
15) SURVEY LIMITATIONS None identified		

HISTORICAL BACKGROUND INFORMATION

16) HPP - CULTURAL RESOURCE INVENTORY <input checked="" type="checkbox"/>	17) ARCHAEOLOGICAL SURVEY OF MISSOURI <input checked="" type="checkbox"/>	18) GIS DATABASE <input checked="" type="checkbox"/>
19) HISTORIC PLATS/ATLASES/SOURCES ca. 1935 (attached)		
20) PREVIOUSLY REPORTED SITES None on/adjacent to the communications tower site; none within APE		
21) PREVIOUS SURVEYS None on/adjacent to the communications tower site; none within APE		
22) REGIONAL SOURCES UTILIZED Jefferson County Historical Society @ 712 S. Main, DeSoto, MO 63020 (no response as of report)		
23) MASTER PLAN RECOMMENDATION N/A		
24) INVESTIGATION TECHNIQUES Site: surficial walkover, screened shovel tests; APE: one-mile windshield survey, photography, application of NRHP eligibility criteria		25) TIME EXPENDED 2.25 PERSON HOURS
26) HISTORIC PROPERTIES LOCATED See attached comments		
27) CULTURAL MATERIALS None observed/collected		
		28) CURATED AT N/A
29) COLLECTION TECHNIQUES N/A		
30) AREA SURVEYED (ACRES & SQUARE METERS) 0.2295 acre; 929.063 sq.m. (in addition to guy wire/access easements)		

31) RESULTS OF INVESTIGATION AND RECOMMENDATIONS

- a) No Historic Properties Located.
- b) No National Register Eligible Historic Properties Located.
- c) National Register Eligible Historic Properties Located.
- d) Historic Properties May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended:

e) Comments: See attached comments

CULTURAL RESOURCE MANAGEMENT CONTRACTOR INFORMATION

32) ARCHAEOLOGICAL CONSULTANT
K&K Environmental LLC

33) ADDRESS/PHONE
23184 151st Street, Leavenworth, KS 66048; 913.724.5800

34) SURVEYOR(S)
Mark W. Kelly

35) SURVEY DATE(S)
6/15/12

36) REPORT COMPILED BY
Mark W. Kelly, Carol Kuhn, Kerri Oliver

37) DATE
6/22/12

38) SUBMITTED BY (SIGNATURE AND TITLE)
Mark W. Kelly, Precision Investments

39) ATTACHMENT CHECK LIST: (REQUIRED)

- 1) Relevant Portion of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location and Any Recorded Sites;
- 2) Project Map(s) Depicting Survey Limits and, when applicable, Approximate Site Limits, and Concentrations of Cultural Materials;
- 3) Site Form(s): One Copy of Each Form;
- 4) All Relevant Project Correspondence;
- 5) Additional Information Sheets as Necessary.

40) ADDRESS OF OWNER/AGENT/AGENCY TO WHOM SHPO COMMENT SHOULD BE MAILED

GSS, Inc.
3311 109th Street
Urbandale, IA 50322

41) CONTACT PERSON
Steve Blazenko

42) PHONE NUMBER
(515) 331-2103

REVIEWER COMMENTS

STATEMENT OF QUALIFICATION

This summary document was prepared in substantial conformity with the Missouri Department of Natural Resources State Historic Preservation Office (MDNR-SHPO) "Guidelines for Phase I Archaeological Surveys / Reports in Missouri (Phase I Guidelines)," addressing particularly the direct effects resulting from the Federal Communications Commission (FCC) undertaking described herein. In addition, per MDNR-SHPO directive, an assessment of indirect effects emanating from the proposed communications facility as to historic properties located within the prescribed area of potential effect (APE) is also included within this summary document.

The investigations herein described were conducted by Mark William Kelly, M.A., J.D., representing K&K Environmental LLC. Kelly is a professional archaeologist and historian approved by reviewing personnel associated with the MDNR-SHPO of Missouri. He exceeds the minimum professional qualifications standards for the disciplines of Archaeology and History, as published in the Code of Federal Regulations, 36 CFR Part 61; hence, he is federally qualified to oversee and conduct archaeological investigations as principal investigator. As to FCC undertakings specifically, Kelly has responsibly and ethically completed in excess of one thousand raw land/green field site investigations, with summary documents prepared, submitted - and approved - for each individual site. To date, no FCC Summary Document submitted by K&K Environmental LLC to MDNR-SHPO has been rejected or returned for insufficiency or inadequacy of any consideration.

Mark W. Kelly was presented with the J. Mett Shippee Outstanding Service Award for 2008 by the Kansas City Archeological Society (KCAS), having led Phase II investigations of three significant historic sites in Missouri. Kelly has had multiple articles published on topics arising from archaeological investigations conducted under his oversight and, as well, has completed a book-length manuscript derived from his archaeological investigations of the Clay County, Missouri antebellum estate Multnomah.

INVESTIGATION PROTOCOL

In conformity with MDNR-SHPO Phase I Guidelines, the following activities, as warranted, were completed by principal investigator Mark W. Kelly for the express purpose of conducting a thorough and effective archaeological survey of the subject property at issue:

Background Research

Upon receipt of specific locational information, including site survey drawings of the subject property, the principal investigator conducts background research sufficient to render an overview of cultural activity conducted within the area wherein the subject property is located - identified as the collection of base-line data. As a state and federally approved professional archaeologist, permission is granted to conduct research in the MDNR-SHPO Cultural Resource Inventory Library (possessing CRM survey reports and DOE listings, etc.) and to access the archaeological site files - records exempt from the Open Records Act and restricted to use by professional archaeologists. The approved professional archaeologist is also provided access to the GIS online database (archaeology viewer map). All records of listed sites within a one-mile radius, at minimum, surrounding the subject property are reviewed for the purpose of gleaning relevant information that may warrant consideration during the physical site investigation of the subject property. In all instances whereby a subject property appears to possess the potential for buried human remains and associated resources, MDNR-SHPO is consulted for guidance regarding methodology of physical investigation.

In addition to a review of recorded sites and associated survey literature, the principal investigator reviews information contained in the BLM-GLO records, Sanborn fire insurance maps (as warranted), historical atlases and plat maps of the pertinent county, regional geographic maps, geology maps, maps of physiographic regions, USDA NRCS (formerly SCS) soil survey documents and NRCS web soil survey/aerial photography maps with soils descriptions, current and historic USGS 7.5-minute series topographic maps, current and historic aerial photographs, FEMA FIRM floodplain maps, and wetlands inventory maps. As may be warranted, historic newspapers are accessed. Further, Mark W. Kelly maintains a significant library containing archaeological and historical journals from a multitude of institutions, pertaining to the cultural history of the area being investigated, as well as books published on topics germane to the prehistory and early history of those areas wherein the subject site is located. Lastly, in those counties possessing an historical society, that institution is contacted; information received from such institutions being typically limited to historic structure documentation, however. In summation, a compilation of information derived from the above-listed resources renders the professional archaeologist capable of ascertaining the potential for site discovery on the subject property, given the subject property location and pertinent information regarding both the physical and cultural landscape.

Area Reconnaissance Survey

Following the background research, the principal investigator conducts a windshield reconnaissance survey of the subject property area - supplemented by pedestrian walkover, if warranted - seeking to verify physical landscape attributes both conducive to the finding of cultural material and precluding the finding of such material. Further, in that most of the documentation and information obtained is dated material, the principal investigator is obliged to acknowledge specific alterations in land use, vegetation cover, and stream mechanics for the purpose of identifying survey limitations, etc. As to the potential for the finding of historic resources on or adjoining the subject property, all meaningful areas of historic activity conducted in the project vicinity, as evidenced by the information derived per review of the materials noted above (including cemeteries, structures, trails, roads, mines, etc.), are investigated to the extent possible (via public access).

Phase I Intensive Archaeological Survey

The overall objective in the conducting of a Phase I Intensive Archaeological Survey is to locate sites via a systematic detailed field inspection of the project "impact" area - not exceeding the limits of the FCC undertaking lease, easement, or purchase - based on the adherence to minimal survey guidelines published by MDNR-SHPO. In all instances, the physical aspects of the FCC undertaking site are considered prior to the conduct of the intensive investigation (subsurface testing) - referencing particularly the prior use and disturbance of the site, presence of onsite geographical features, the elevation and slope of the site, distance to perennial or constant sources of water (acknowledging extreme seasonal variability), presence and/or access to quality lithic resources, proximity to recorded archaeological sites, and, of course, the existence of surficial conditions warranting the use of specific tools and equipment in the quest to locate sites. It should be noted that MDNR-SHPO personnel have approved the use of the following equipment (tool kit) utilized by Mark W. Kelly in the conduct of Phase I Intensive Archaeological Surveys - as may be warranted by site-specific limitations: round point blade shovel, sharp-shooter shovel, post hole diggers, four-foot steel-tipped probe, trowels, and box screen of ¼ inch wire mesh. In all instances, the professional judgement of the principal investigator may be exercised, as is permitted a state and federally approved professional archaeologist engaged as principal investigator to effect the overall goal of finding sites. Having conducted Phase I Intensive Archaeological Surveys within the regional area wherein the FCC undertaking is located for a period exceeding twenty years, thereby obtaining substantial experience, including the surveying of drought-stricken areas noted

for the presence of hardpan clay soils and the uplands of the Ozark Plateau noted for its prevalence of stone and rock, the professional judgement of the principal investigator may be relied upon as to the selection of tools considered necessary to effect the goal of a Phase I Intensive Archaeological Survey.

As to survey methodology, the subject property, including access, is first subjected to a pedestrian walkover by transects spaced in accordance with physical characteristics - typically no more than two meters on the limited FCC raw land undertaking sites - conducted for the express purpose of assessing the overall percentage ground surface visibility. Should the ground surface visibility be found to exceed 40 percent over the entirety of the undertaking site, no subsurface testing is conducted. Should the ground surface visibility be obscured by the presence of gravel, stone, rock, or exposed bedrock, no subsurface testing is conducted. Should the slope of the undertaking site exceed 20 percent, no subsurface testing is conducted. Should the undertaking site be found to have previously been disturbed by excavation or earth-moving activities whereby the finding of cultural materials is precluded by use of the Phase I tool kit, no subsurface testing is conducted. As well, additional physical limitations may be found to preclude the conducting of subsurface testing in accordance with a strict testing model, including the presence of abundant tree roots, etc.

Should such limiting factors as described above not be present, the testing guidelines recommended by MDNR-SHPO are implemented: subsurface tests on transects spaced no more than 15 meters apart (49.21 feet). Subsurface tests should be hand excavated (no power auger use) to a diameter width at or exceeding 30 centimeters. As to depth, each test should be excavated 10 centimeters into sterile sub-soil, although numerous raw land sites can be shown to be previously undisturbed, indicating the extreme unlikelihood of cultural material existing below the surface or A-horizon. Regardless, the spoil from each test is screened using a box screen or, if incapable of being screened, sifted by hand and trowel. As approved by MDNR-SHPO, the excavation of five subsurface tests on a 100' by 100' (or smaller) tract has been determined sufficient. Larger tracts require additional testing. As to linear easements, one test excavated every 40 feet has been approved by MDNR-SHPO as an adequate protocol. Any finding of cultural material certainly results in the conducting of multiple additional tests - designed to determine site boundaries with a collection of artifacts made for purposes of documentation and site-sourcing of material by comparison with collections of related sites. It should be noted that statistical analysis has shown that the excavation of one negative test results in the dramatic reduction of potential as to the finding of sites on a 100' by 100' or smaller tract. Again, per MDNR-SHPO, the experience and knowledge of the principal investigator may be exercised at all times in the conduct of the Phase I Intensive Archaeological Survey - including the determination of survey methodology.

Please note: The investigation of any proposed project site located on/within tribal lands - reservation or specific tracts of realty legally designated as Indian country for jurisdictional purposes under the immediate oversight of a NPS-designated Tribal Historic Preservation Officer - may require adherence to the particular survey protocol promulgated by that officer. Should such protocol exist, the preparation of an Addendum to this Summary Document or a separate report may be required.

SUMMARY DOCUMENT PREPARATION

As acknowledged by MDNR-SHPO: "The basic guideline for the preparation of any archeological report should be a combination of professional judgement, competence, and ethics." MDNR-SHPO has determined that it is not necessary to include a discussion of the project environment in any negative archaeological report - identified as any report that does not record the presence of archaeological sites within the project APE. In essence, the failure to find any cultural material relieves the principal investigator of the need to produce a

voluminous document. In sum, this summary document meets or exceeds the Secretary of the Interior's Standards for Archeological Documentation - as interpreted by MDNR-SHPO.

This summary document is a final document and provides the information necessary - as required by MDNR-SHPO - for project managers and oversight personnel to make informed decisions regarding the construction of the FCC undertaking. The results of the Phase I Intensive Archaeological Survey conducted on the subject site, as presented herein, may be relied upon by the project managers and oversight personnel - with the qualification that deeply buried cultural resources may be exposed by trenching or below-grade excavation. If such should occur, it is recommended that all construction activity cease within a meaningful radius (minimum 50 feet) until the buried cultural resources may be examined by a professional archaeologist, and MDNR-SHPO notified (contact Judith Deel @ 573.751.7862).

ABSTRACT OF INVESTIGATION

This Summary Document may be described as a *Negative Archaeological Report*. A physical cultural resources investigation was conducted by K&K Environmental LLC (K&K) on the proposed Pyramid Southwest SRF3 raw land tower site, an FCC undertaking site, on 15 June 2012, as described herein. The site address is noted as 14663 State Route E, DeSoto, Jefferson County, Missouri 63020. The tower site appears to be more particularly located in the SE¼ Section 10, Township 38 North, Range 4 East, as shown on the Vineland, MO USGS 7.5-minute series quadrangle map (Figure No. 1); Latitude (North): 38-01-7.22; Longitude (West): 90-34-18.87. The proposed lease property is a 100' by 100' tract with guy wire easements, accessed via to-be-constructed driveway extending west, thence north from entry on State Route E. The FCC undertaking, as proposed, anticipates the construction of a 300'-height guyed tower with associated equipment placed at tower base within a secured 50' by 50' compound on the lease tract.

As to direct effects, the records and literature review disclosed no evidence of previously reported significant cultural resources likely to be affected by the construction of the proposed project - per review of the Archaeology Viewer Map of the project area (attached) summarizing the findings of reports filed for archaeological projects completed in the vicinity. There are no sites recorded on/adjacent to the proposed undertaking and none within an actionable radius of the tower site. It further appears no surveys have been conducted in the project vicinity. Regardless, given the location of the proposed FCC undertaking site on a moderately dissected upland overlooking Tiff Creek, it was determined a Phase I Intensive Archaeological Survey should be conducted prior to project construction. The investigation/reconnaissance of the project area did not reveal any evidence of a National Register of Historic Places (NRHP)-eligible historic or prehistoric occupation on the subject property. **The investigators conclude “no effect” as to direct effects.**

In addition, owing to the proposed height of the proposed tower (300'), an architectural survey within a one-mile radius APE was mandated. No NRHP-listed or NRHP-determined eligible properties were identified per review of materials housed at MDNR-SHPO within the APE. The windshield survey did, however, result in the finding of properties possessing the potential to be considered eligible for listing in the NRHP or otherwise warranting further investigation as to listing in the NRHP. In the investigator's opinion, there are no NRHP-eligible properties within the APE for visual effects that will be adversely affected by the proposed FCC undertaking - owing to the intervening undulating terrain and presence of mature vegetation attending the identified properties. **The investigators conclude “no adverse effect” as to indirect effects.**

Based on the results of this investigation, the proposed FCC undertaking will not result in an effect on the cultural resources of Missouri. It is recommended, therefore, that the communications project, as proposed, be permitted to proceed with construction.

DIRECT EFFECTS COMMENTS

Pyramid Southwest SRF3 Archaeological Investigation

Identification: Pyramid Southwest SRF3 raw land tower site
Project: FCC Wireless Communications Project: 300'-height guyed tower
Location: 14663 State Route E, DeSoto, Jefferson County, Missouri 63020; Latitude (North): 38-01-7.22/Longitude (West): 90-34-18.87
Quadrangle(s): SE¼ Section 10, Township 38 North, Range 4 East, as shown on the Vineland, MO USGS 7.5-minute series quadrangle map
UTM Coordinates: Approximate center of proposed project: Zone 15: 713141 E / 4210669 N
Elevation: ±837' amsl
Soil Association: 73977 - Wrengart silt loam, 8-15 percent slopes, eroded
Nearest Water: Tiff Creek
Acreage: Tower Site/Footprint: 100' by 100' (0.2295 acre; 929.06 sq.m.) - excluding guy wire anchor locations/access easement

As noted, the Pyramid Southwest SRF3 raw land tower site is a 100' by 100' tract with guy wire easements, accessed via to-be-constructed driveway extending west, thence north from entry on State Route E. The FCC undertaking, as proposed, anticipates the construction of a 300'-height guyed tower with associated equipment placed at tower base within a secured 50' by 50' compound on the lease tract.

As to direct effects, the records and literature review disclosed no evidence of previously reported significant cultural resources likely to be affected by the construction of the proposed project. Nevertheless, owing to the location of the lease tract, it was determined a Phase I Intensive Archaeological Survey should be conducted prior to project construction.

The entire proposed lease property (tower footprint, guy wire/access easements) was first subjected to a pedestrian review by transects spaced at approximately three meters (note: site is upland hayfield). No cultural materials were observed indicative of a prehistoric or early historic presence on the lease tract and proposed site access easement (surficial visibility on lease tract: 0-5 percent; access road: 0-5 percent). Following the walkover, five (5) screened subsurface tests were excavated on/within the 100' by 100' pad site - one test was located at/near the center of the lease tract and one test was placed at/near the mid-point of each perimeter line of the lease tract. One test was excavated at/near each of the three guy wire anchors and additional tests were excavated, as warranted, on/within the access easement. The soils onsite, per www.websoilsurvey.nrcs.usda.gov, are identified as 73977 - Wrengart silt loam, 8 to 15 percent slopes, eroded, and 73046 - Wrengart silt loam, 3 to 8 percent slopes, eroded. The Wrengart classification references a deep, moderately well drained, silt loam soil on convex ridges/hillslopes that formed in loess over pediment over residuum weathered from cherty limestone. The subsurface tests produced relatively small quantities of lithic material (primarily gravel) - none possessing evidence of cultural activity. The investigators conclude the soils underlying the lease tract have not been previously disturbed by other than naturally occurring erosion. In sum, the Phase I Intensive Archaeological Survey did not produce artifactual evidence indicative of a NRHP-eligible early historic or prehistoric occupation on the subject property. Thus, the investigators conclude no prehistoric

or early historic properties affected by the proposed FCC undertaking as to direct effects - **no effect as to direct effects**. The following table provides the location/results of the locations selected for testing:

SOIL TEST AND/OR OBSERVATION SUMMARY (SEE FIGURE NO. 2/2A FOR SITE PLANS)				
TEST/OBSERVATION LOCATION	SOIL I.D.	DEPTH OF TEST	OBSERVED SOIL STRATIGRAPHY	TEST RESULTS
1 - Center of lease tract: Zone 15: 713141 E / 4210669 N	73977 - Wrengart silt loam, 8 to 15 percent slopes, eroded	±30cm	Surface horizon: depth @ ±15cm - light brown silt loam (no disturbance noted); Underlying subsoil: depth @ ±30cm - darker brown silt loam (no disturbance noted)	Negative
2 - mid-point north perimeter	Same	±40cm	Surface horizon: same Underlying subsoil: depth @ ±40cm - same	Same
3 - mid-point east perimeter	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
4 - mid-point south perimeter	Same	±25cm	Surface horizon: same Underlying subsoil: depth @ ±25cm - same	Same
5 - mid-point west perimeter	Same	±25cm	Surface horizon: same Underlying subsoil: depth @ ±25cm - same	Same
6 - SW guy anchor	Same	±25cm	Surface horizon: same Underlying subsoil: depth @ ±25cm - same	Same
7 - North guy anchor	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
8 - SE guy anchor	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
9 - Access	Same	±40cm	Surface horizon: same Underlying subsoil: depth @ ±40cm - same	Same
10 - Access	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
11 - Access	Same	No Test	Excellent surficial visibility	Same
12 - Access	73046 - Wrengart silt loam, 3 to 8 percent slopes, eroded	No Test	Same	Same
13 - Access	Same	No Test	Same	Same
14 - Access	Same	No Test	Same	Same
15 - Access	73977 - Wrengart silt loam, 8 to 15 percent slopes, eroded	No Test	Same	Same
16 - Access	Same	No Test	Same	Same
17 - Access	Same	±25cm	Surface horizon: depth @ ±15cm - light brown silt loam (no disturbance noted); Underlying subsoil: depth @ ±25cm - darker brown silt loam (no disturbance noted)	Same

SOIL TEST AND/OR OBSERVATION SUMMARY (SEE FIGURE NO. 2/2A FOR SITE PLANS)				
18 - Access	Same	±25cm	Surface horizon: same Underlying subsoil: depth @ ±25cm - same	Same
19 - Access	Same	±30cm	Surface horizon: same Underlying subsoil: depth @ ±30cm - same	Same
20 - Access	Same	±30cm	Same	Same
21 - Access	Same	No Test	Excellent surficial visibility	Same
22 - Access	Same	±40cm	Surface horizon: same Underlying subsoil: depth @ ±40cm - same	Same
23 - Access	Same	No Test	Excellent surficial visibility	Same

INDIRECT EFFECTS COMMENTS

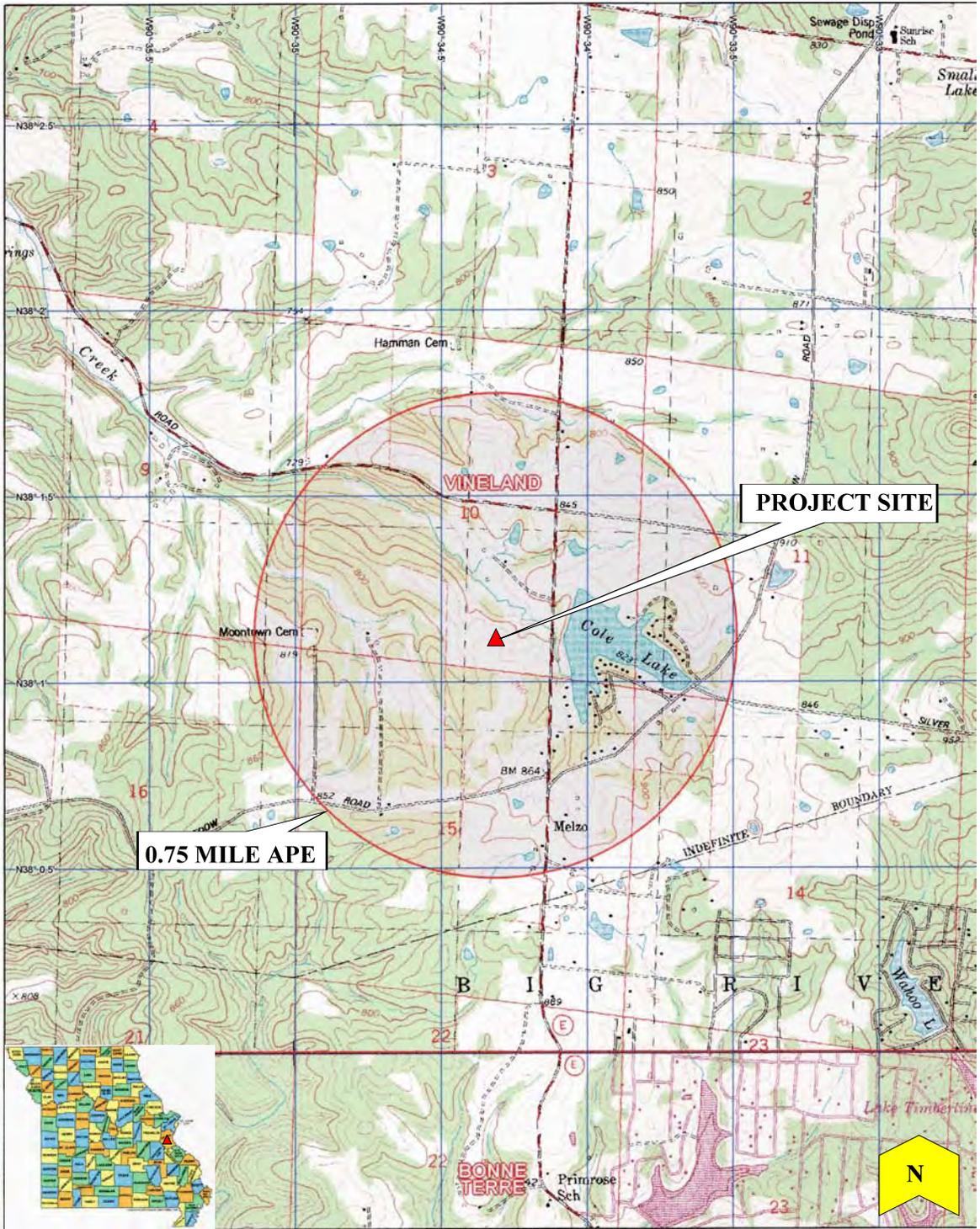
Pyramid Southwest SRF3 One-mile APE Investigation

As noted above, given the proposed height (300') of the guyed tower, a one-mile radius APE was prescribed, within which all properties were examined for the purpose of assessing NRHP-eligibility on the basis of age and/or uniqueness of architecture. Multiple properties were identified within the APE on the USGS Vineland, MO topographic quadrangle map as potentially aesthetically or otherwise indirectly affected by the construction of the proposed tower. Please refer to the attached Viewshed Analysis Chart which purports to show the optical height of the proposed tower as viewed from the identified structures, assessed in terms of no effect, minimal effect, or effect.

Structure A (Photograph No. 45) is a rural residential property, a two story, three bay, frame structure with gable roof and twin on-side chimneys and hip porch 3,220' distant to the east-southeast of the tower facility/compound site. The dwelling likely does not warrant further consideration as to listing in the NRHP at present. Regardless of eligibility, the residential property appears to be adequately screened from view of the proposed tower site by the intervening undulating terrain and mature vegetation (see attached Figure No. 1A and Viewshed Table).

Structure B (Photograph Nos. 46-48) is a rural residential farmstead composed of a multi-story, frame dwelling with gable roof (siding on the structure), hip roofed-roofed screened porch and multiple outbuildings, including a large vertical plank, gambrel-roofed barn with hay hood, located approximately 3,484' distant to the south-southeast of the tower facility/compound site. The farmstead may warrant further investigation as to listing in the NRHP for its information potential, if not architectural merit. Regardless, the farmstead appears to be partially screened from view of the proposed tower site by the intervening undulating terrain and mature vegetation attending the farmstead (see attached Figure No. 1A and Viewshed Table).

FIGURES



SOURCE: VINELAND MO USGS 1981 QUAD; SEC 10, T38N, R4E



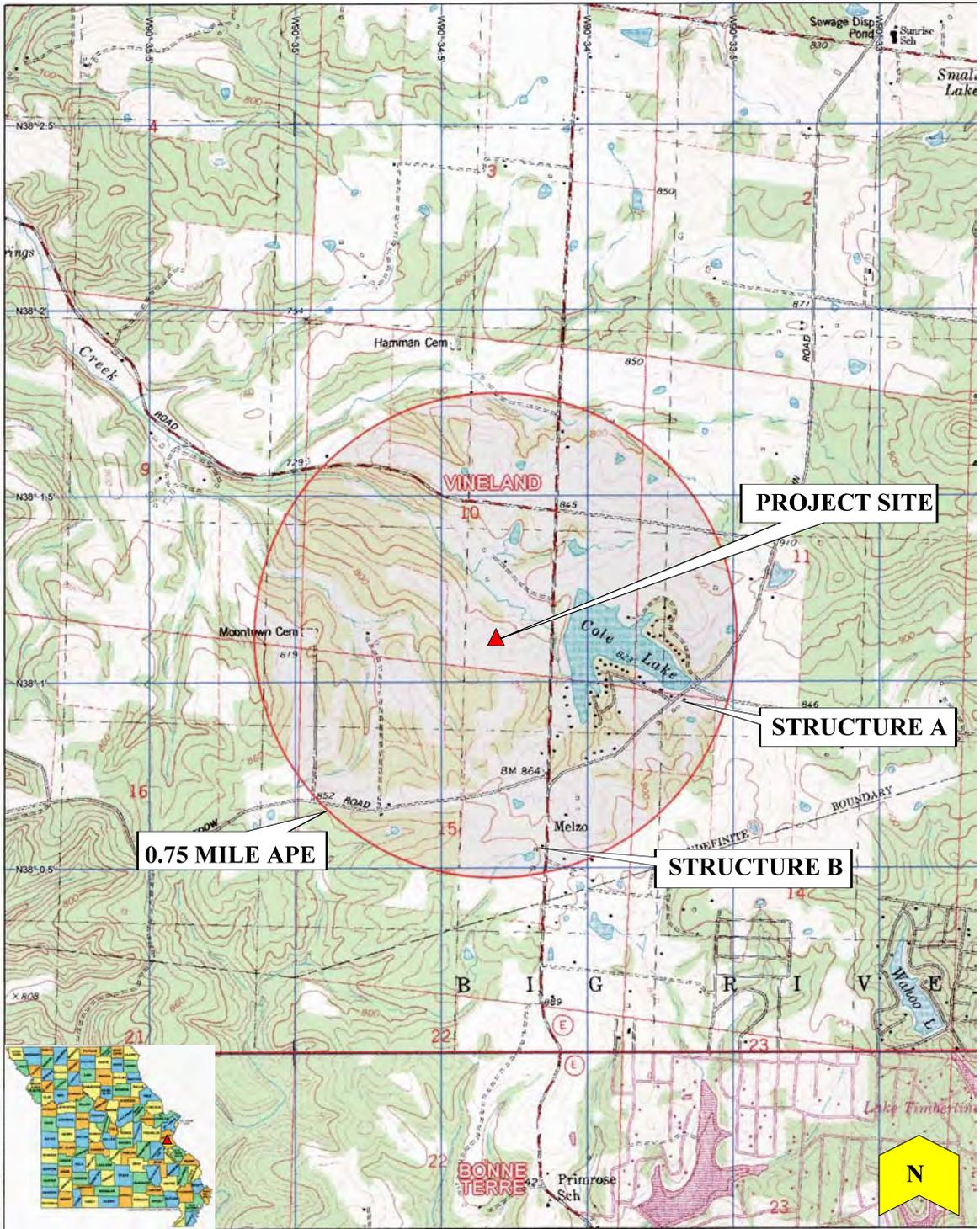
USGS TOPOGRAPHIC MAP
 Southwest SRF3
 Jefferson County, MO

DATE
 June 5, 2012

FIGURE

1

GSS, INC.



SOURCE: VINELAND MO USGS 1981 QUAD; SEC 10, T38N, R4E



USGS TOPOGRAPHIC MAP
 Southwest SRF3
 Jefferson County, MO

DATE
 June 18, 2012

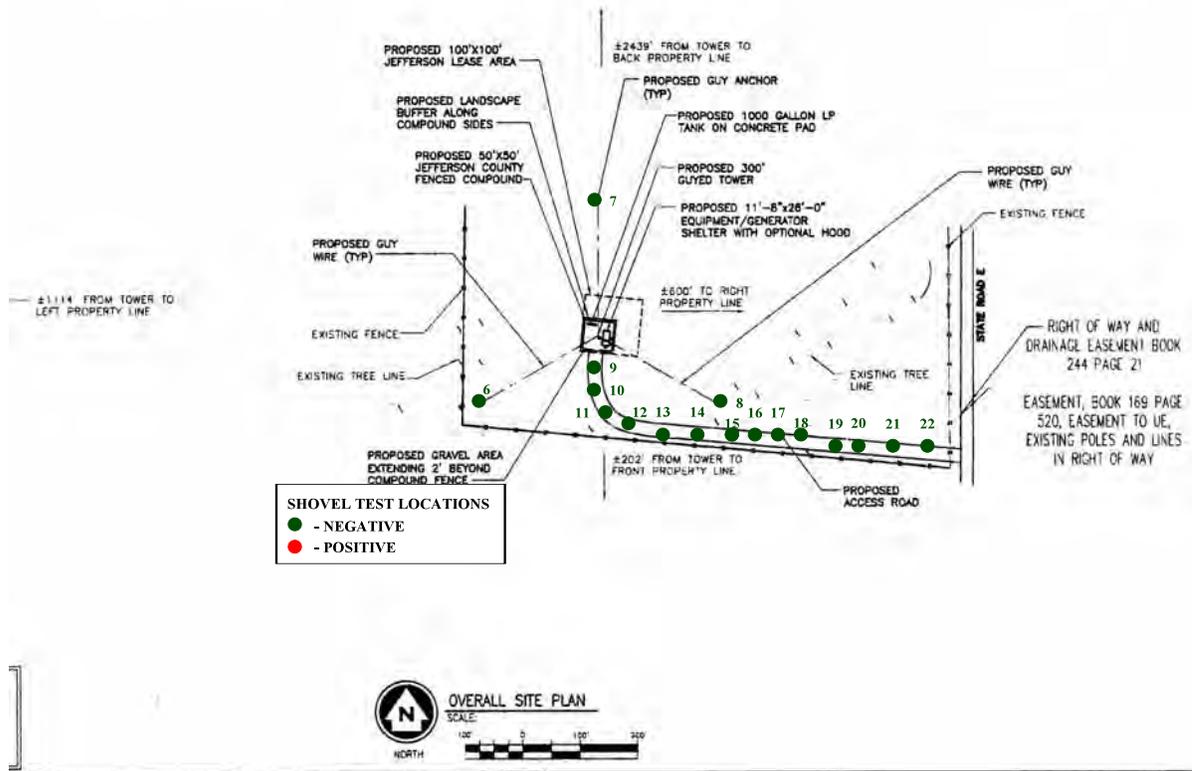
FIGURE

1A

GSS, INC.

PARCEL # 2620100008
R.O. ZONING

E.
N/F
COLE
BK 428, PG 9B
ZONE R10



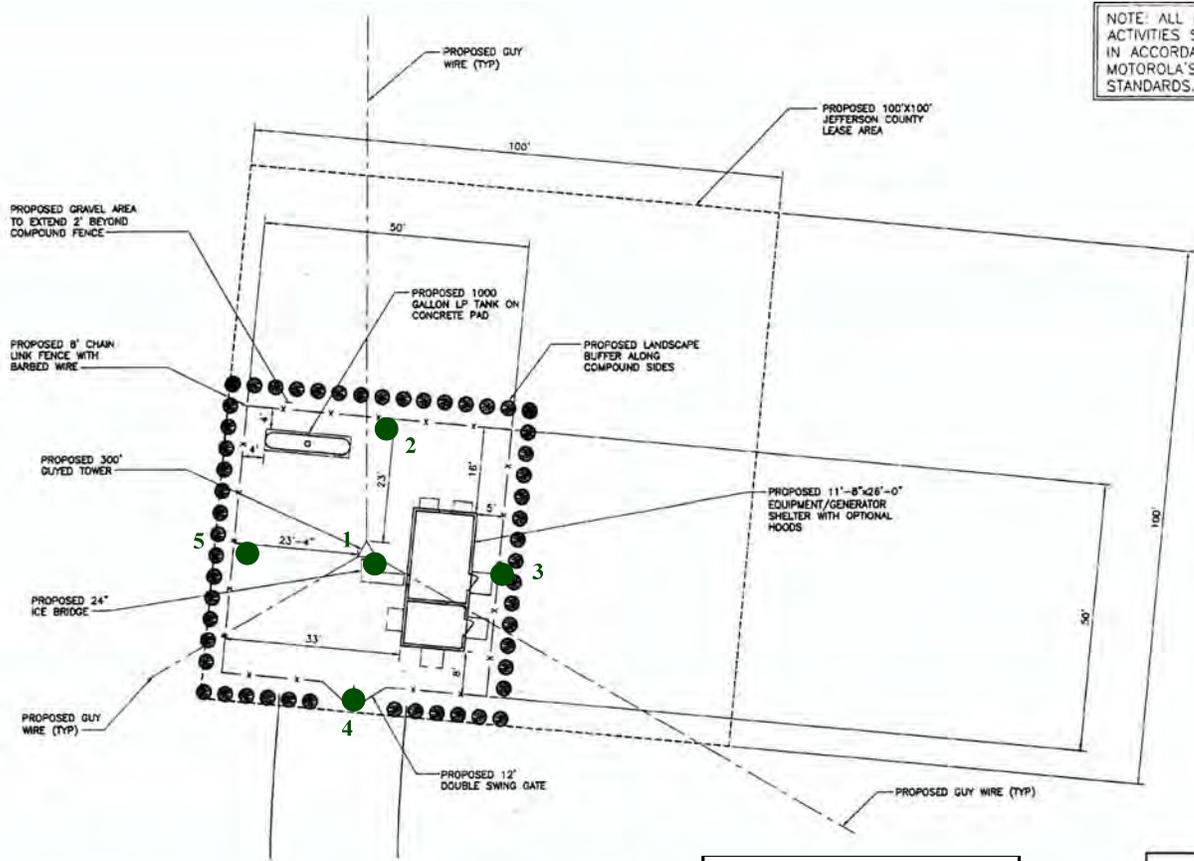
FACILITY SITE PLAN
Southwest SRF3
Jefferson County, MO

GSS, INC.

DATE
June 5, 2012

FIGURE

2



NOTE: ALL CONE ACTIVITIES SHALL IN ACCORDANCE MOTOROLA'S R-STANDARDS.



ENLARGED SITE PLAN/STAKING PLAN
SCALE: 1" = 10'

SHOVEL TEST LOCATIONS
 ● - NEGATIVE
 ● - POSITIVE



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FACILITY SITE PLAN
Southwest SRF3
Jefferson County, MO

DATE
June 5, 2012

FIGURE
2A

GSS, INC.



SOURCE: Google.com

K&K
ENVIRONMENTAL

AERIAL PHOTOGRAPH
Southwest SRF3
Jefferson County, MO

DATE
June 5, 2012

FIGURE

GSS, INC.

3

TABLES

Table 1A. Viewshed Analysis Assessment of Proposed Southwest SRF3. June 18, 2012.¹

Historic Structure / Site Location	Historic Structure / Site Location	Historic Structure / Site Elevation ²	Screening (Complete, Partial, or None) ³	Elevation of Screen ⁴	Distance: Historic Structure / Site to Screen ⁵	Distance: Historic Structure / Site to Tower ⁶	Optical Height of Tower Above Historic Structure / Site ⁷	Viewshed Effect ⁸
A	See Figure 1A	843'	T/L/S(P)	854'	2112'	3220'	8.95'	Minimal Effect
B	See Figure 1A	908'	T/L/S(P)	909'	2956'	3484'	7.55'	Minimal Effect

KEY:

¹ Tower base elevation: 836' / tower height 300' agl

² Taken from USGS 7.5' topographic quadrangle.

³ Vertical height screens: none N, or intervening terrain T, landscape L, or structures S; which provide complete C or partial P screen. Letters in () are secondary screens. If screening is complete, no potential viewshed effect.

⁴ Terrain scaled from USGS 7.5' topographic quadrangle. Structures or vegetation height from field observation.

⁵ Planimetric measurement scaled from USGS 7.5' topographic quadrangle.

⁶ Planimetric measurement scaled from USGS 7.5' topographic quadrangle.

⁷ Calculations based on terrain screening only. If no screening, use following equation.

$$\{[(\text{tower top elev} - \text{structure elev}) + \text{tower height}] \div \text{distance, structure to tower}\} \times 50'$$

If partial screening, use following equation.

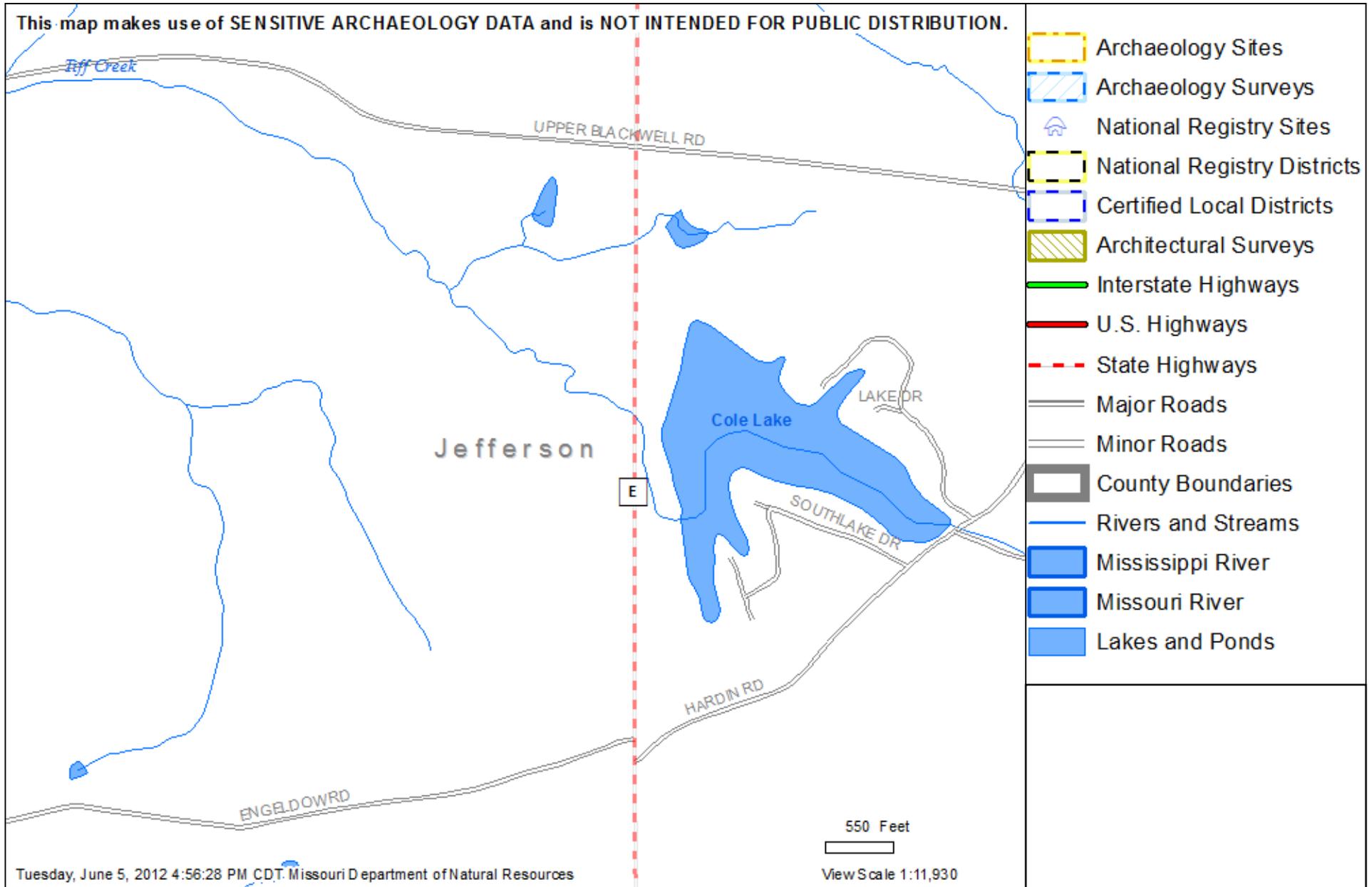
$$\{[(\text{tower top elev} - \text{structure elev}) + \text{tower height}] \div \text{distance, structure to tower}\} - [(\text{screen elev} - \text{structure elev}) \div \text{distance, structure to screen}] \times 50'$$

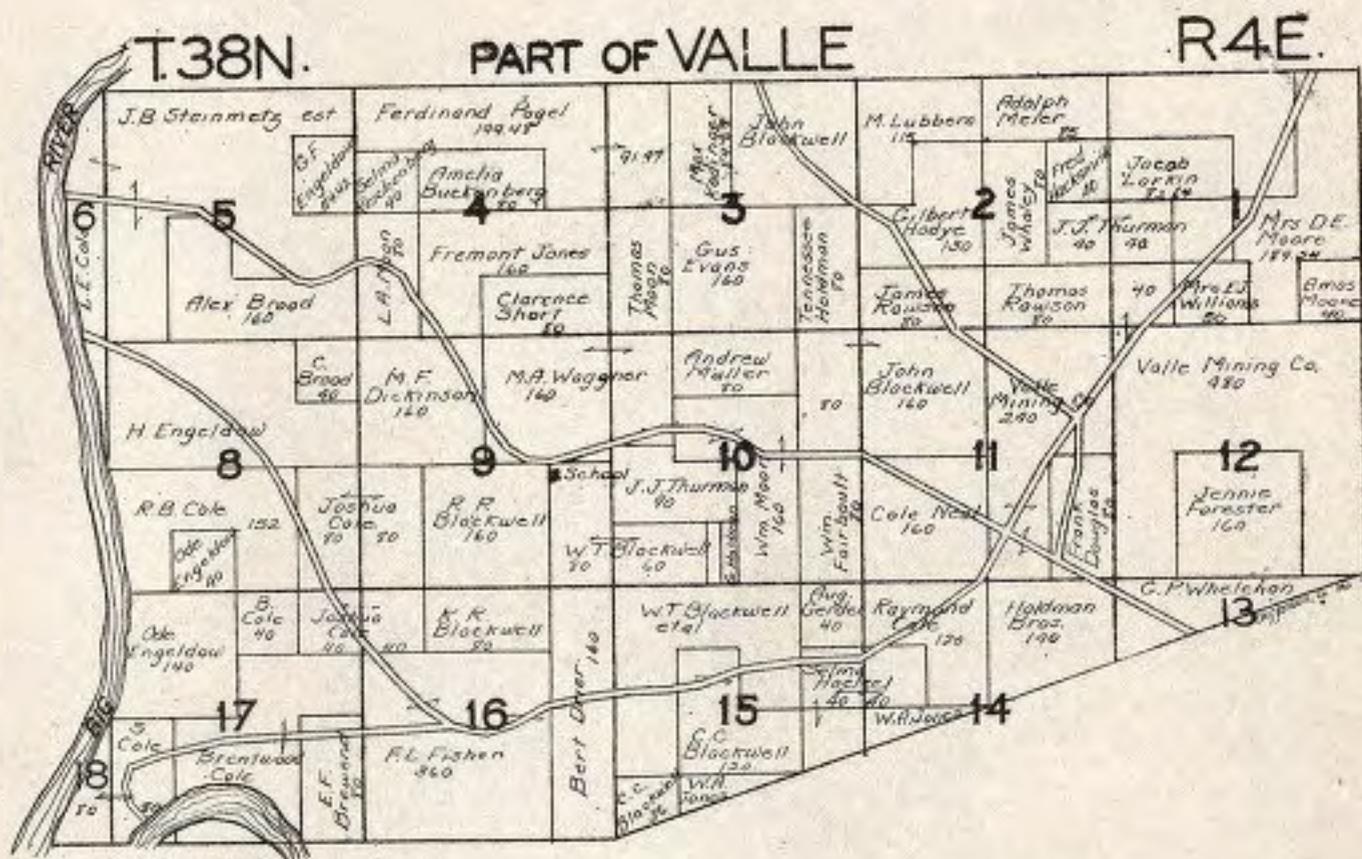
If complete screening, no Effect; optical height calculation not applicable (NA).

⁸ Determining level of Effect: <5 ft = no effect; 5' to < 20' = minimal effect; > 20' = effect.

APPENDIX A
CORRESPONDENCE/DOCUMENTATION

MoDNR Archaeology Viewer





Soil Map—Jefferson County, Missouri
(Southwest)



Map Scale: 1:2,350 if printed on A size (8.5" x 11") sheet.



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

 Very Stony Spot

 Wet Spot

 Other

Special Line Features

-  Gully
-  Short Steep Slope
-  Other

Political Features

 Cities

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:2,350 if printed on A size (8.5" × 11") sheet.

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

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 15N NAD83

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

Soil Survey Area: Jefferson County, Missouri
Survey Area Data: Version 11, Dec 23, 2011

Date(s) aerial images were photographed: 8/10/2007

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

Map Unit Legend

Jefferson County, Missouri (MO099)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
73046	Wrengart silt loam, 3 to 8 percent slopes, eroded	5.4	21.1%
73215	Crider silt loam, 3 to 8 percent slopes	0.0	0.0%
73977	Wrengart silt loam, 8 to 15 percent slopes, eroded	19.6	76.6%
75450	Bloomsdale silt loam, 0 to 3 percent slopes, frequently flooded	0.6	2.3%
Totals for Area of Interest		25.6	100.0%

Jefferson County, Missouri

73046—Wrengart silt loam, 3 to 8 percent slopes, eroded

Map Unit Setting

Elevation: 350 to 800 feet

Mean annual precipitation: 39 to 49 inches

Mean annual air temperature: 54 to 59 degrees F

Frost-free period: 172 to 232 days

Map Unit Composition

Wrengart and similar soils: 90 percent

Description of Wrengart

Setting

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Crest

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Loess over pedisidiment over residuum weathered
from limestone

Properties and qualities

Slope: 3 to 8 percent

Depth to restrictive feature: 20 to 40 inches to undefined

Drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low
to moderately low (0.00 to 0.06 in/hr)

Depth to water table: About 24 to 40 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: Low (about 5.0 inches)

Interpretive groups

Land capability (nonirrigated): 3e

Ecological site: Quercus alba-Quercus Stellata/Schizachyrium
scoparium (F116AY008MO)

Other vegetative classification: Trees/Timber (Woody Vegetation)

Typical profile

0 to 6 inches: Silt loam

6 to 26 inches: Silty clay loam

26 to 45 inches: Silt loam

45 to 60 inches: Very gravelly silty clay loam

60 to 80 inches: Gravelly clay

Data Source Information

Soil Survey Area: Jefferson County, Missouri
Survey Area Data: Version 11, Dec 23, 2011

Jefferson County, Missouri

73977—Wrengart silt loam, 8 to 15 percent slopes, eroded

Map Unit Setting

Elevation: 350 to 800 feet

Mean annual precipitation: 39 to 49 inches

Mean annual air temperature: 54 to 59 degrees F

Frost-free period: 172 to 232 days

Map Unit Composition

Wrengart and similar soils: 80 percent

Description of Wrengart

Setting

Landform: Hillslopes, ridges

Landform position (two-dimensional): Backslope, summit

Landform position (three-dimensional): Side slope, crest

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Loess over pedisidiment over residuum weathered
from cherty limestone

Properties and qualities

Slope: 8 to 15 percent

Depth to restrictive feature: 20 to 40 inches to undefined

Drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low
to moderately low (0.00 to 0.06 in/hr)

Depth to water table: About 24 to 40 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: Low (about 5.6 inches)

Interpretive groups

Land capability (nonirrigated): 4e

Ecological site: Quercus alba-Quercus stellata/Schizachyrium
scoparium (F115BY005MO)

Other vegetative classification: Trees/Timber (Woody Vegetation)

Typical profile

0 to 4 inches: Silt loam

4 to 7 inches: Silt loam

7 to 29 inches: Silty clay loam

29 to 41 inches: Silty clay loam

41 to 80 inches: Extremely cobbly silt loam

Data Source Information

Soil Survey Area: Jefferson County, Missouri
Survey Area Data: Version 11, Dec 23, 2011

APPENDIX B
PHOTOGRAPH LOG

K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 1
Comments: View W.
View of proposed site access entry
extending west from State Route
E.



Photo No: 2
Comments: View S.
View of properties fronting on
State Route E, south of site access
entry.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 3
Comments: View N.
View of properties fronting on
State Route E, north of site access
entry.



Photo No: 4
Comments: View SE.
View of properties fronting on
State Route E to the east of site
access entry.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 5
Comments: View N.
View of site access entry.



Photo No: 6
Comments: View W.
View of proposed access easement
paralleling tree line to left/south.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 7
Comments: View --.
View of point at which site access
easement turns to north.



Photo No: 8
Comments: View E.
View of proposed access easement
paralleling tree line to left/south -
vantage toward State Route E.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 9
Comments: View N.
View of access easement - vantage
toward tower facility/compound
site.



Photo No: 10
Comments: View S.
View of proposed tower
facility/compound site from
vantage at/near north perimeter of
compound enclosure.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 11
Comments: View W.
View of proposed tower facility/compound site from vantage at/near east perimeter of compound enclosure.



Photo No: 12
Comments: View N.
View of proposed tower facility/compound site from vantage at/near south perimeter of compound enclosure.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 13
Comments: View E.
View of proposed tower
facility/compound site from
vantage at/near west perimeter of
compound enclosure.



Photo No: 14
Comments: View N.
View of adjoining property to
north of proposed tower
facility/compound site.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 15
Comments: View NE.
View of adjoining property to
northeast of proposed tower
facility/compound site.



Photo No: 16
Comments: View E.
View of adjoining property to east
of proposed tower
facility/compound site.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 17
Comments: View SE.
View of adjoining property to
southeast of proposed tower
facility/compound site.



Photo No: 18
Comments: View S.
View of adjoining property to
south of proposed tower
facility/compound site.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 19
Comments: View SW.
View of adjoining property to southwest of proposed tower facility/compound site.



Photo No: 20
Comments: View W.
View of adjoining property to west of proposed tower facility/compound site.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 21
Comments: View NW.
View of adjoining property to
northwest of proposed tower
facility/compound site.



Photo No: 22
Comments: View --.
View of proposed tower
facility/compound site at/near
tower location.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 23
Comments: View --.
View of proposed tower
facility/compound site at/near
mid-point north perimeter of
compound.



Photo No: 24
Comments: View --.
View of proposed tower
facility/compound site at/near
mid-point east perimeter of
compound.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 25
Comments: View --.
View of proposed tower
facility/compound site at/near
mid-point south perimeter of
compound.



Photo No: 26
Comments: View --.
View of proposed tower
facility/compound site at/near
mid-point west perimeter of
compound.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 27
Comments: View --.
View of proposed tower
facility/compound site at/near
southwest guy anchor location.



Photo No: 28
Comments: View --.
View of proposed tower
facility/compound site at/near
north guy anchor location.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 29
Comments: View --.
View of proposed tower
facility/compound site at/near
southeast guy anchor location.



Photo No: 30
Comments: View --.
View of proposed access easement
(location #9 on Figure No. 2).



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 31
Comments: View --.
View of proposed access easement
(location #10 on Figure No. 2).



Photo No: 32
Comments: View --.
View of proposed access easement
(location #11 on Figure No. 2).



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 33
Comments: View --.
View of proposed access easement
(location #12 on Figure No. 2).



Photo No: 34
Comments: View --.
View of proposed access easement
(location #13 on Figure No. 2).



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 35
Comments: View --.
View of proposed access easement
(location #14 on Figure No. 2).



Photo No: 36
Comments: View --.
View of proposed access easement
(location #15 on Figure No. 2).



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 37
Comments: View --.
View of proposed access easement
(location #16 on Figure No. 2).



Photo No: 38
Comments: View --.
View of proposed access easement
(location #17 on Figure No. 2).



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 39
Comments: View --.
View of proposed access easement
(location #18 on Figure No. 2).



Photo No: 40
Comments: View --.
View of proposed access easement
(location #19 on Figure No. 2).



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 41
Comments: View --.
View of proposed access easement
(location #20 on Figure No. 2).



Photo No: 42
Comments: View --.
View of proposed access easement
(location #21 on Figure No. 2).



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 43
Comments: View --.
View of proposed access easement
(location #22 on Figure No. 2).



Photo No: 44
Comments: View --.
View of proposed access easement
(location #23 on Figure No. 2).



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 45
Comments: View SSW.
View of Structure A: rural
residential property.



Photo No: 46
Comments: View NW.
View of Structure B: rural
residential farmstead.



K&K ENVIRONMENTAL LLC
PHOTOGRAPHIC LOG



Project: Pyramid Southwest SRF3
Location: 14663 State Route E
DeSoto, Jefferson County, Missouri 63020

Client: GSS, Inc.

Photo No: 47
Comments: View SW.
View of Structure B: rural
residential farmstead
outbuildings.



Photo No: 48
Comments: View W.
View of Structure B: rural
residential farmstead
outbuildings.





3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions

June 18, 2012

Project #V12619, V12614 & V12615

County of Jefferson
Justin Randall
725 Maple Street
Hillsboro, MO 63050

Notice of Initiation of the Section 106 Process-Public Participation in accordance with the FCC's Nationwide Programmatic Agreement. Jefferson County 911 Dispatch intends to file an application to construct a

- guyed telecommunications tower with an approximate height of 300 ft. at an address TBD State Road E, DeSoto, Jefferson County, MO; and/or
- self support telecommunications tower with an approximate height of 400 ft. at an address TBD Huffman Lane, DeSoto, Jefferson County, MO and/or
- self support telecommunications tower with an approximate height of 490 ft. at an address TBD Johnson Road, Festus, Jefferson County, MO.

In addition to the obligations set forth in the local zoning regulations Jefferson County 911 Dispatch must also comply with all Federal and State regulations governing the proposed facility.

Section 106 of the National Historic Preservation Act of 1966, as amended, requires Jefferson County 911 Dispatch to evaluate this project for any effect it may have on Historic Properties. As part of this evaluation, Jefferson County 911 Dispatch is required to publish Public Notice in an effort to gather comments on the potential effects of the proposed facility on Historic Properties.

The purpose of this letter is to:

- Notify the County of Jefferson that Public Notice seeking comments on the potential effects of the proposed construction on Historic Properties is scheduled to be published in the Leader Publications on June 21, 2012.
- Invite comments on the potential effects of the proposed facility on Historic Properties, from other relevant individuals or groups that you may be aware of.

Parties interested in submitting comments regarding any potential effects of the proposed facility on Historic Properties may do so by sending them to GSS, Inc., 3311 109th Street, Urbandale, IA 50322.

Questions about this matter may be submitted to GSS, Inc., 3311 109th Street, Urbandale, IA 50322. or by calling (515) 331-2103.



3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions
June 18, 2012

Project #V12619, V12614 & V12615

Jefferson County Historical Society
712 South Main Street
DeSoto, MO 63020

To Whom it May Concern:

Notice of Initiation of the Section 106 Process-Public Participation in accordance with the FCC's Nationwide Programmatic Agreement. Jefferson County 911 Dispatch intends to file an application to construct a

- guyed telecommunications tower with an approximate height of 300 ft. at an address TBD State Road E, DeSoto, Jefferson County, MO; and/or
- self support telecommunications tower with an approximate height of 400 ft. at an address TBD Huffman Lane, DeSoto, Jefferson County, MO and/or
- self support telecommunications tower with an approximate height of 490 ft. at an address TBD Johnson Road, Festus, Jefferson County, MO.

In addition to the obligations set forth in the local zoning regulations, Jefferson County 911 Dispatch must also comply with all Federal and State regulations governing the proposed facility.

Section 106 of the National Historic Preservation Act of 1966, as amended, requires Jefferson County 911 Dispatch to evaluate this project for any effect it may have on Historic Properties. As part of this evaluation Jefferson County 911 Dispatch is required to publish Public Notice in an effort to gather comments on the potential effects of the proposed facility on Historic Properties.

The purpose of this letter is to:

- Notify the Jefferson County Historical Society that Public Notice seeking comments, on the potential effects of the proposed construction on Historic Properties, is scheduled to be published in the Leader Publications on June 21, 2012.
- Invite comments, on the potential effects of the proposed facility on Historic Properties, from other relevant individuals or groups that you may be aware of.

Parties interested in submitting comments regarding any potential effects of the proposed facility on Historic Properties may do so by sending them to GSS, Inc., 3311 109th Street, Urbandale, IA 50322.

Attached to this letter are the following: a topographic map, street map, aerial photograph, photographs, drawings, a copy of the Public Notice and a copy of a letter submitted to the County of Jefferson.

Questions about this matter may be submitted to GSS, Inc., 3311 109th Street, Urbandale, IA 50322 or by calling (515) 331-2103.



3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions
June 18, 2012

Project #V12619, V12614 & V12615

DeSoto Historical Society
c/o The Spotted Horse Antique Shop
200 S. Main Street
DeSoto, MO 63020

To Whom it May Concern:

Notice of Initiation of the Section 106 Process-Public Participation in accordance with the FCC's Nationwide Programmatic Agreement. Jefferson County 911 Dispatch intends to file an application to construct a

- guyed telecommunications tower with an approximate height of 300 ft. at an address TBD State Road E, DeSoto, Jefferson County, MO; and/or
- self support telecommunications tower with an approximate height of 400 ft. at an address TBD Huffman Lane, DeSoto, Jefferson County, MO.

In addition to the obligations set forth in the local zoning regulations, Jefferson County 911 Dispatch must also comply with all Federal and State regulations governing the proposed facility.

Section 106 of the National Historic Preservation Act of 1966, as amended, requires Jefferson County 911 Dispatch to evaluate this project for any effect it may have on Historic Properties. As part of this evaluation Jefferson County 911 Dispatch is required to publish Public Notice in an effort to gather comments on the potential effects of the proposed facility on Historic Properties.

The purpose of this letter is to:

- Notify the DeSoto Historical Society that Public Notice seeking comments, on the potential effects of the proposed construction on Historic Properties, is scheduled to be published in the Leader Publications on June 21, 2012.
- Invite comments, on the potential effects of the proposed facility on Historic Properties, from other relevant individuals or groups that you may be aware of.

Parties interested in submitting comments regarding any potential effects of the proposed facility on Historic Properties may do so by sending them to GSS, Inc., 3311 109th Street, Urbandale, IA 50322.

Attached to this letter are the following: a topographic map, street map, aerial photograph, photographs, drawings, a copy of the Public Notice and a copy of a letter submitted to the County of Jefferson.

Questions about this matter may be submitted to GSS, Inc., 3311 109th Street, Urbandale, IA 50322 or by calling (515) 331-2103.

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June 26, 2012

GSS
3311 109th Street
Urbandale, IA 50322

Public Notice by GSS, Inc. of the Section 106 Process-Public Participation in accordance with the FCC's Nationwide Programmatic Agreement ran in the Jefferson County Leader and Arnold-Imperial Leader on June 21, 2012.

PUBLIC NOTICE
Notice of Initiation of the Section 106 Process-Public Participation in accordance with the FCC's Nationwide Programmatic Agreement. Jefferson County 911 Dispatch proposes to construct a

- guyed telecommunication tower with an approximate height of 390 ft. at an address TBD State Road E, DeSoto, Jefferson County, MO and/or
- self support telecommunication tower with an approximate height of 400 ft. at an address TBD Hiram Lane, DeSoto, Jefferson County, MO and/or
- self support telecommunication tower with an approximate height of 490 ft. at an address TBD Johnson Road, Festus, Jefferson County, MO.

Parties interested in details regarding the tower or in providing comment on the proposed undertaking relative to potential effects on historic properties should contact GSS, Inc., 3311 109th Street, Urbandale, IA 50322 (515) 531-2103 (712619 & 712613)



Peggy Bess
Editor



Subscribed and sworn to before me this 26th of June 2012.



Pamela S. LaPlant
#10432936
Notary Public

My commission expires June 19, 2014.

Appendix 5

TCNS/Correspondence with Native American Governments

Tribal Consultation Process

TCNS # 86035

Initial Contact: 05/31/2012

Site: Southwest Site SRF3

Site type: 300' Guyed Tower

Indian Tribe or Nation	Second Tribal Contact Date	Response Received from Tribe or Additional Info Requested and Sent	Referred to FCC	Tribal Clearance *
1.Ponca Tribe of Nebraska	NA	No response within 30 days of 06/08/2012 indicates no interest in pre-construction review.	NA	07/08/2012
2.Omaha Tribe of Nebraska	NA	No response within 30 days of 06/08/2012 indicates no interest in pre-construction review.	NA	07/08/2012
3.Iowa Tribe of Kansas and Nebraska	NA	07/24/2012	NA	07/24/2012
4.Prairie Band Potawatomi Nation	NA	No response within 30 days of 06/08/2012 indicates no interest in pre-construction review.	NA	07/08/2012
5.Absentee-Shawnee Tribe of Indians of Oklahoma	06/27/2012	08/24/2012	NA	08/24/2012
6.Sac and Fox Tribe of the Mississippi in Iowa	NA	06/19/2012	NA	06/19/2012
7.Keeweenaw Bay Indian Community	6/27/2012	07/11/2012	NA	07/11/2012
8.Quapaw Tribe of Oklahoma	06/27/2012	08/03/2012	NA	08/03/2012
9.Seneca-Cayuga Tribe of Oklahoma	06/27/2012	No response within 30 days of 06/27/2012 indicates no further interest in pre-construction review.	NA	07/27/2012
10.Osage Nation	07/06/2012	08/01/2012	NA	08/01/2012
11.United Keetoowah Band of Cherokee Indians	NA	06/28/2012	NA	06/28/2012
12.Eastern Shawnee Tribe of Oklahoma	NA	No response within 30 days of 06/08/2012 indicates no interest in pre-construction review.	NA	07/08/2012
13.Miami Tribe of Oklahoma	06/27/2012	08/01/2012	NA	08/01/2012
14.Peoria Tribe of Indians of Oklahoma	06/27/2012	07/12/2012	NA	07/12/2012
15.Shawnee Tribe	06/27/2012	08/08/2012	NA	08/08/2012

*Tribal clearance assumes: in accordance with Section IX of the Nationwide Programmatic Agreement and applicable law all Tribes must be notified in the event archaeological properties or human remains are discovered during construction.



Candi Johnson

From: towernotifyinfo@fcc.gov
Sent: Tuesday, July 24, 2012 2:16 PM
To: Candi Johnson
Cc: tcns.fccarchive@fcc.gov; cadkins@iowas.org
Subject: Reply to Proposed Tower Structure (Notification ID: 86035) - Email ID #3061863

Dear Stephen J Blazenko,

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 Acting THPO Coreena Adkins of the Iowa Tribe of Kansas & Nebraska in reference to Notification ID #86035:

The Iowa Tribe of Kansas and Nebraska has no objections to the project as proposed if it is cleared through the SHPO. I wish to be notified if any consultations are requested or if any new historical properties are discovered. If human skeletal remains and/or any objects falling under NAGPRA are uncovered during construction, please stop immediately and notify this office.

Sincerely,
Coreena Adkins, Section 106 Coordinator
(785) 595-3258

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

Notification Received: 05/31/2012
Notification ID: 86035
Tower Owner Individual or Entity Name: Pyramid Network Solutions LLC
Consultant Name: Stephen J Blazenko
Street Address: 3311 109th Street
City: Urbandale
State: IOWA
Zip Code: 50322
Phone: 515-331-2103
Email: cjohnson@gssmidwest.com

Structure Type: GTOWER - Guyed Structure Used for Communication Purposes
Latitude: 38 deg 1 min 7.2 sec N
Longitude: 90 deg 34 min 18.8 sec W
Location Description: TBD State Road E
City: DeSoto
State: MISSOURI
County: JEFFERSON
Ground Elevation: 255.1 meters
Support Structure: 91.4 meters above ground level
Overall Structure: 91.4 meters above ground level

5



Absentee Shawnee Tribe of Oklahoma
2025 S. Gordon Cooper
Shawnee, Oklahoma 74801-9381
(405) 275-4030 Fax: 405-878-4533

Cultural/Historic
Preservation Department

August 24, 2012

Candace J. Johnson
GSS, Incorporated
3311 109th Street
Urbandale, IA 50322

RE: TCNS 87003, 87004, 86821, 86034, 86035, 86036, 86037, 86039

Dear Candace J. Johnson,

This response is regarding the request from your office for a review of the TCNS notifications listed above. We have reviewed the provided information and find in concurrence with the SHPO response of "no adverse effect" for the five listed projects in Jefferson County, MO.

We would like to request, however, that we be kept informed of these projects in the event of any archaeological discoveries or inadvertent discoveries of human remains.

It is advised that if the area of potential effect changes or in the event of an inadvertent discovery of human remains that we receive notification within 48 hours. Also, any inadvertent discovery of human remains should remain in situ until consultation with interested tribes is undertaken.

Thank you for communicating with us. We appreciate your continued efforts in such matters. Please do not hesitate to contact me or the director if you have any questions.

Sincerely,

Staci

Liana Staci Hesler
THPO Specialist/Tribal Historic Preservation Office
Absentee Shawnee Tribe of Oklahoma
2025 S. Gordon Cooper Drive
Shawnee, Oklahoma 74804
(405) 275-4030 ext. 204

5



3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions
June 29, 2012

**REFERENCE:
FCC'S TCNS #86035**

Project #V12619

Ms. Henrietta Ellis, THPO
Absentee-Shawnee Tribe of Indians of Oklahoma
2025 S. Gordon Cooper Drive
Shawnee, OK 74801

**RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE
#SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI**

Dear Ms. Ellis:

In accordance with federal law, GSS, Inc. is in the process of completing a NEPA Checklist/Section 106 Compliance at the above referenced site. The proposed site is scheduled to contain a 300' guyed tower and equipment shelter. The FCC sent a notice from the Tower Construction Notification System (TCNS) on June 7, 2012 providing initial information for this project. Additional detailed information regarding the site location is as follows:

Address: TBD State Road E, DeSoto, Jefferson County, Missouri
Quadrangle: Vineland, MO 1981
Latitude: 38° 1' 7.2" Longitude: 90° 34' 18.8"
Section 10, Township 38N, Range 4E

We respectfully invite your participation and input in the review of this project under federal law in determining if the site is on or within the viewshed of properties listed or eligible for listing on the National Register of Historic Places or is on or within the viewshed of Native American religious sites that have cultural significance to Native American Tribes.

Enclosed for your review are the following items:

- A Phase I Intensive Archaeological Survey by K&K Environmental which concluded that no further archaeological work needed to be performed; report includes a USGS Quadrangle map, project sketch/drawings, an aerial photograph, photographs of the proposed location as well as the surrounding area.

Please contact me if you have any questions or would like further information regarding this proposed project.

Please communicate at your earliest convenience your interest or lack of interest in this project. Please respond by phone (800-373-6761), fax (515-331-1728), email (cjohnson@gssmidwest.com), regular mail (3311 109th Street, Urbandale, IA 50322) or through the FCC's TCNS. Thank you for your attention to this matter.

Yours truly,
GSS, Inc.

Candace J. Johnson
Enclosures

6

Candi Johnson

From: towernotifyinfo@fcc.gov
Sent: Tuesday, June 19, 2012 11:19 AM
To: Candi Johnson
Cc: tcns.fccarchive@fcc.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 86035) - Email ID #3046493

Dear Stephen J Blazenko,

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 Historic Preservation Director Johnathan L Buffalo of the Sac & Fox Tribe of the Mississippi in Iowa in reference to Notification ID #86035:

We have no interest in this site. However, if the Applicant discovers archaeological remains or resources during construction, the Applicant should immediately stop construction and notify the appropriate Federal Agency and the Tribe.

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

Notification Received: 05/31/2012
Notification ID: 86035
Tower Owner Individual or Entity Name: Pyramid Network Solutions LLC
Consultant Name: Stephen J Blazenko
Street Address: 3311 109th Street
City: Urbandale
State: IOWA
Zip Code: 50322
Phone: 515-331-2103
Email: cjohnson@gssmidwest.com

Structure Type: GTOWER - Guyed Structure Used for Communication Purposes
Latitude: 38 deg 1 min 7.2 sec N
Longitude: 90 deg 34 min 18.8 sec W
Location Description: TBD State Road E
City: DeSoto
State: MISSOURI
County: JEFFERSON
Ground Elevation: 255.1 meters
Support Structure: 91.4 meters above ground level
Overall Structure: 91.4 meters above ground level
Overall Height AMSL: 346.5 meters above mean sea level

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*Keweenaw Bay Indian Community
Tribal Historic Preservation Office
and Language Program*

16429 Beartown Road

Baraga, Michigan 49908-9210

thpo@kbic-nsn.gov, cchosa@kbic-nsn.gov, jgoyen@kbic-nsn.gov, gloonsfoot@kbic-nsn.gov

Phone: 906-353-6272, Phone: 906-353-6278, Phone: 906-353-4178, Fax: 906-353-7540

July 11, 2012

RE: TCNS Notification ID#: 86035.

Aniin;

The KBIC Tribal Historic Preservation Office has identified no properties of interest regarding religious or cultural sites documented at this time in your proposed location. If the scope of work changes in any way, or if artifacts or human remains are discovered, please notify the KBIC THPO immediately.

Please forward any future consultation requests for review of project proposals pursuant to Section 106 of the National Historic Preservation Act to KBIC THPO, Keweenaw Bay Indian Community Tribal Historic Preservation Office or through email at cchosa@kbic-nsn.gov or jgoyen@kbic-nsn.gov and keep us informed of future projects as we continue our efforts to identify and document historic, archaeological and traditional cultural sites in the area so we can assist in making an appropriate determination.

Miigwech (Thank You)

Chris Chosa, THPO/NAGPRA Officer

Juliet K. Goyen, THPO/NAGPRA Technician

Miigwech!

Christopher J. Chosa, Juliet K. Goyen & Gary F. Loonsfoot Jr.



Candi Johnson

From: towernotifyinfo@fcc.gov
Sent: Tuesday, June 12, 2012 8:23 AM
To: Candi Johnson
Subject: Reply to Proposed Tower Structure (Notification ID: 86035) - Email ID #3042088

Dear Stephen J Blazenko,

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 THPO/NAGPRA Technician Juliet K Goyen of the Keweenaw Bay Indian Community in reference to Notification ID #86035:

Aniin;

The Keweenaw Bay Indian Community Tribal Historic Preservation Office (KBIC THPO) has received your requests for comments or interest concerning Section 106 of the National Historic Preservation Act, to the effect on historic and cultural sites within your proposed project area. The KBIC THPO charges a fee of \$250.00 for review of project proposals.

Please submit a check for \$250.00 to the KBIC THPO, 16429 Beartown Road, Baraga, Michigan 49908, if you have already done so, thank you, we appreciate your support. The fee covers a preliminary in-house review of records for the presence of cultural sites in the proposed project area. Fees also help us to cover costs of research and other consultation activities.

When payment has been received, our determination will be sent to you within two weeks.

Miigwech (Thank You)

Chris Chosa, THPO/NAGPRA Officer
Juliet K. Goyen, THPO/NAGPRA Technician

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

Notification Received: 05/31/2012
Notification ID: 86035
Tower Owner Individual or Entity Name: Pyramid Network Solutions LLC
Consultant Name: Stephen J Blazenko
Street Address: 3311 109th Street
City: Urbandale
State: IOWA
Zip Code: 50322
Phone: 515-331-2103
Email: cjohnson@gssmidwest.com

Structure Type: GTOWER - Guyed Tower
Latitude: 38 deg 1 min 7.2 sec N
Longitude: 90 deg 34 min 18.8 sec W



Location Description: TBD State Road E

City: DeSoto

State: MISSOURI

County: JEFFERSON

Ground Elevation: 255.1 meters

Support Structure: 91.4 meters above ground level

Overall Structure: 91.4 meters above ground level

Overall Height AMSL: 346.5 meters above mean sea level



Candi Johnson

From: Wendy Huntzinger [WHuntzinger@cwlaw.com]
Sent: Friday, August 03, 2012 1:45 PM
To: Candi Johnson
Subject: Re: TCNS 86035

Based on the information you have provided for TCNS ID **86035** the Quapaw Tribe of Oklahoma has no immediate concerns or issues regarding this project at this time. Please keep me informed if the nature of the project should change.

Since the site is located in an area of historical interest to the Tribe, it is requested that in the event that any human remains and/or funerary objects are discovered that you cease work and contact us immediately.

Wendy A. Huntzinger
Paralegal
Conner & Winters, LLP
One Williams Center
Tulsa, Oklahoma 74172

From: Candi Johnson [<mailto:CJohnson@gssmidwest.com>]
Sent: Tuesday, July 24, 2012 8:00 AM
To: Wendy Huntzinger
Subject: TCNS 86035 & 86040 Missouri SHPO Concurrence Letters Attached

Attached are the Missouri SHPO concurrence letters for TCNS 86035 & 86040 which are located in Jefferson County, Missouri. Previous information was mailed on June 29, 2012.

Thank you,

Candace J Johnson, GSS, Inc.
3311 109th Street, Urbandale, IA 50322
Office 515.331.2103 / Fax 515.331.1728
cjohnson@gssmidwest.com

IRS Circular 230 Notice: To ensure compliance with requirements imposed by the IRS, we inform you that, unless specifically indicated otherwise, any tax advice contained in this communication (including any attachment) was not intended or written to be used, and cannot be used, for the purpose of (i) avoiding tax-related penalties under the Internal Revenue Code or (ii) promoting, marketing or recommending to another party any tax-related matter addressed herein.

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If you have received this message in error, please notify the sender immediately.

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Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions
June 29, 2012

**REFERENCE:
FCC'S TCNS #86035**

Project #V12619

Ms. Wendy A. Huntzinger, Paralegal
Conner & Winters, LLP (General Counsel-Quapaw Tribe of OK)
4000 One Williams Center
Tulsa, OK 74172-0148

**RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE
#SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI**

Dear Ms. Huntzinger:

In accordance with federal law, GSS, Inc. is in the process of completing a NEPA Checklist/Section 106 Compliance at the above referenced site. The proposed site is scheduled to contain a 300' guyed tower and equipment shelter. The FCC sent a notice from the Tower Construction Notification System (TCNS) on June 7, 2012 providing initial information for this project. Additional detailed information regarding the site location is as follows:

Address: TBD State Road E, DeSoto, Jefferson County, Missouri
Quadrangle: Vineland, MO 1981
Latitude: 38° 1' 7.2" Longitude: 90° 34' 18.8"
Section 10, Township 38N, Range 4E

We respectfully invite your participation and input in the review of this project under federal law in determining if the site is on or within the viewshed of properties listed or eligible for listing on the National Register of Historic Places or is on or within the viewshed of Native American religious sites that have cultural significance to Native American Tribes.

Enclosed for your review are the following items:

- A Phase I Intensive Archaeological Survey by K&K Environmental which concluded that no further archaeological work needed to be performed; report includes a USGS Quadrangle map, project sketch/drawings, an aerial photograph, photographs of the proposed location as well as the surrounding area.
- A check for the requested research/handling/processing fee, etc.

This project is being submitted to the Missouri SHPO office as of the date of this letter and we will forward their review letter upon receipt.

Please contact me if you have any questions or would like further information regarding this proposed project.

Please communicate at your earliest convenience your interest or lack of interest in this project. Please respond by phone (800-373-6761), fax (515-331-1728), email (cjohnson@gssmidwest.com), regular mail (3311 109th Street, Urbandale, IA 50322) or through the FCC's TCNS. Thank you for your attention to this matter.

Yours truly,
GSS, Inc.

Candace J. Johnson
Enclosures



Tower Construction Notification

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[FCC Site Map](#)

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Tower Construction Notification Refer a Notification

[Notifications Home](#)

Refer Notification

Notification ID: 86035

Notification Submitted: 05/31/2012

Notification sent to the Tribe: 06/07/2012

Location: TBD State Road E, DeSoto, MO

The Tribes/NHOs listed below were initially notified of this proposed tower construction.

Second Contact Date Information

Provide the date of your second contact attempting to obtain a response from each Indian Tribe/NHO about this proposed tower or antenna.

If you made your second contact with all Tribes/NHOs that have not responded on the same date, you may enter that date at the top of the screen below. If you made your second contacts with different Tribes/NHOs on different dates, you must enter the appropriate date for each Tribe/NHO that you select.

Select the Tribes/NHOs who have not responded

[Select All](#) | [Reset](#)

Tribe/NHO Name	Comment	Second Contact Date
Absentee-Shawnee Tribe of Indians of Oklahoma	This Tribe/NHO has indicated that no response means they have no interest.	Apply to Selected Tribes/NHOs
Eastern Shawnee Tribe of Oklahoma	This Tribe/NHO has indicated that no response means they have no interest.	
Iowa Tribe of Kansas & Nebraska	This Tribe/NHO submitted a response to your notification through TCNS . This Tribe/NHO has indicated that no response means they have no interest.	
Keweenaw Bay Indian Community	This Tribe/NHO submitted a response to your notification through TCNS .	
Miami Tribe of Oklahoma	This Tribe/NHO submitted a response to your notification through TCNS .	
Omaha Tribe of Nebraska	This Tribe/NHO has indicated that no response means they have no interest.	
Osage Nation		



Peoria Tribe of Indians of Oklahoma

This Tribe/NHO submitted a [response to your notification through TCNS](#).

Ponca Tribe of Nebraska

This Tribe/NHO has indicated that no response means they have no interest.

Prairie Band Potawatomi Nation

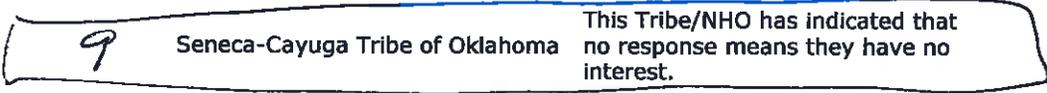
This Tribe/NHO has indicated that no response means they have no interest.



Quapaw Tribe of Oklahoma c/o Conner & Winters

Sac & Fox Tribe of the Mississippi in Iowa

This Tribe/NHO submitted a [response to your notification through TCNS](#).



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Seneca-Cayuga Tribe of Oklahoma

This Tribe/NHO has indicated that no response means they have no interest.

Shawnee Tribe

This Tribe/NHO submitted a [response to your notification through TCNS](#).

United Keetoowah Band of Cherokee Indians

This Tribe/NHO submitted a [response to your notification through TCNS](#).

CONTINUE ▶

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Washington, DC 20554
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9



3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions
June 29, 2012

**REFERENCE:
FCC'S TCNS #86035**

Project #V12619

Mr. Paul J. Barton, THPO/NAGPRA Rep.
Seneca-Cayuga Tribe of Oklahoma
23701 South 655 Road
Grove, OK 74344

RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE #SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI

Dear Mr. Barton:

In accordance with federal law, GSS, Inc. is in the process of completing a NEPA Checklist/Section 106 Compliance at the above referenced site. The proposed site is scheduled to contain a 300' guyed tower and equipment shelter. The FCC sent a notice from the Tower Construction Notification System (TCNS) on June 7, 2012 providing initial information for this project. Additional detailed information regarding the site location is as follows:

Address: TBD State Road E, DeSoto, Jefferson County, Missouri
Quadrangle: Vineland, MO 1981
Latitude: 38° 1' 7.2" Longitude: 90° 34' 18.8"
Section 10, Township 38N, Range 4E

We respectfully invite your participation and input in the review of this project under federal law in determining if the site is on or within the viewshed of properties listed or eligible for listing on the National Register of Historic Places or is on or within the viewshed of Native American religious sites that have cultural significance to Native American Tribes.

Enclosed for your review are the following items:

- A Phase I Intensive Archaeological Survey by K&K Environmental which concluded that no further archaeological work needed to be performed; report includes a USGS Quadrangle map, project sketch/drawings, an aerial photograph, photographs of the proposed location as well as the surrounding area.
- A check for the requested research/handling/processing fee, etc.

Please contact me if you have any questions or would like further information regarding this proposed project.

Please communicate at your earliest convenience your interest or lack of interest in this project. Please respond by phone (800-373-6761), fax (515-331-1728), email (cjohnson@gssmidwest.com), regular mail (3311 109th Street, Urbandale, IA 50322) or through the FCC's TCNS. Thank you for your attention to this matter.

Yours truly,
GSS, Inc.


Candace J. Johnson
Enclosures

10



RECEIVED
AUG 3 - 2012

TRIBAL HISTORIC PRESERVATION OFFICE

Date: August 1, 2012

File: 1112-478MO-86035

RE: Proposed Jefferson County 911 Dispatch, Southwest site #SRF3 in DeSoto, Jefferson County, Missouri
TCNS# 86035

GSS INC.
Attn: Candace J. Johnson
3311 109th Street
Urbandale, Iowa 50322

Dear Ms. Johnson,

The Osage Nation Historic Preservation Office has evaluated your submission and concurs that the proposed cell tower project located at UTM Zone 15 E0713141 N4210669 in Jefferson County, Missouri **will not adversely affect properties of cultural or sacred significance to the Osage Nation.** For direct effects, the finding of this S106 review has resulted in a determination of "No Properties" eligible or potentially eligible for the National Register of Historic Places.

In accordance with the National Historic Preservation Act (NHPA) [16 U.S.C. 470 §§ 470-470w-6] 1966, undertakings that are subject to the review process are referred to in S101 (d) (6) (A), which clarifies that historic properties may have religious and cultural significance to Indian tribes. Additionally, Section 106 of NHPA requires Federal agencies to consider the effects of their actions on historic properties (36 CFR Part 800) as does the National Environmental Policy Act (43 U.S.C. 4321 and 4331-35 and 40 CFR 1501.7(a) of 1969). **The Osage Nation concurs that as a part of the scoping process, GSS fulfilled NHPA and NEPA compliance by consulting with the Osage Nation Historic Preservation Office in regard to Jefferson County 911 Dispatch, Southwest site #SRF3 in Jefferson County, Missouri, TCNS# 86035.**

The Osage Nation has a vital interest in protecting its historic and ancestral cultural resources. We do not anticipate that this project will adversely impact any cultural resources or human remains protected under the NHPA, NEPA, the Native American Graves Protection and Repatriation Act, or Osage law. **If, however, artifacts or human remains are discovered during project construction, we ask that work cease immediately and the Osage Nation Tribal Historic Preservation Office be contacted.**

Should you have any questions or need any additional information please feel free to contact me at the number and/or email address listed below. Thank you for consulting with the Osage Nation on this matter.


Dr. Andrea A. Hunter
Tribal Historic Preservation Officer

\$400 Consultation Fee was received July 10, 2012

10



3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions
June 29, 2012

**REFERENCE:
FCC'S TCNS #86035**

Project #V12619

Dr. Andrea A. Hunter, THPO
Osage Nation
P. O. Box 779, 627 Grandview
Pawhuska, OK 74056

RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE #SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI

Dear Dr. Hunter:

In accordance with federal law, GSS, Inc. is in the process of completing a NEPA Checklist/Section 106 Compliance at the above referenced site. The proposed site is scheduled to contain a 300' guyed tower and equipment shelter. The FCC sent a notice from the Tower Construction Notification System (TCNS) on June 7, 2012 providing initial information for this project. Additional detailed information regarding the site location is as follows:

Address: TBD State Road E, DeSoto, Jefferson County, Missouri
Quadrangle: Vineland, MO 1981
Latitude: 38° 1' 7.2" Longitude: 90° 34' 18.8"
Section 10, Township 38N, Range 4E

We respectfully invite your participation and input in the review of this project under federal law in determining if the site is on or within the viewshed of properties listed or eligible for listing on the National Register of Historic Places or is on or within the viewshed of Native American religious sites that have cultural significance to Native American Tribes.

Enclosed for your review are the following items:

- A Phase I Intensive Archaeological Survey by K&K Environmental which concluded that no further archaeological work needed to be performed; report includes a USGS Quadrangle map, project sketch/drawings, an aerial photograph, photographs of the proposed location as well as the surrounding area.
- FCC 620 (1st 4 pages).
- A check for the requested research/handling/processing fee, etc.

This project is being submitted to the Missouri SHPO office as of the date of this letter and we will forward their review letter upon receipt.

Please contact me if you have any questions or would like further information regarding this proposed project.

Please communicate at your earliest convenience your interest or lack of interest in this project. Please respond by phone (800-373-6761), fax (515-331-1728), email (cjohnson@gssmidwest.com), regular mail (3311 109th Street, Urbandale, IA 50322) or through the FCC's TCNS. Thank you for your attention to this matter.

Yours truly,
GSS, Inc.

Candace J. Johnson
Enclosures

11
Candi Johnson

From: towernotifyinfo@fcc.gov
Sent: Thursday, June 28, 2012 5:43 PM
To: Candi Johnson
Cc: tcns.fccarchive@fcc.gov; ukbthpo-larue@yahoo.com
Subject: Reply to Proposed Tower Structure (Notification ID: 86035) - Email ID #3052273

Dear Stephen J Blazenko,

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 Acting THPO Lisa C LaRue-Baker of the United Keetoowah Band of Cherokee Indians in reference to Notification ID #86035:

We have no interest in this site. However, if the Applicant discovers archaeological remains or resources during construction, the Applicant should immediately stop construction and notify the appropriate Federal Agency and the Tribe.

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

Notification Received: 05/31/2012
Notification ID: 86035
Tower Owner Individual or Entity Name: Pyramid Network Solutions LLC
Consultant Name: Stephen J Blazenko
Street Address: 3311 109th Street
City: Urbandale
State: IOWA
Zip Code: 50322
Phone: 515-331-2103
Email: cjohnson@gssmidwest.com

Structure Type: GTOWER - Guyed Structure Used for Communication Purposes
Latitude: 38 deg 1 min 7.2 sec N
Longitude: 90 deg 34 min 18.8 sec W
Location Description: TBD State Road E
City: DeSoto
State: MISSOURI
County: JEFFERSON
Ground Elevation: 255.1 meters
Support Structure: 91.4 meters above ground level
Overall Structure: 91.4 meters above ground level
Overall Height AMSL: 346.5 meters above mean sea level

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Candi Johnson

From: Scott Willard [swillard@miamination.com]
Sent: Wednesday, August 01, 2012 4:05 PM
To: Candi Johnson
Subject: TCNS 86035, 86037, 86040 & 86376

Greetings Candi,

Below is our response for TCNS 86035, 86037, 86040 & 86376. The response is the same for all projects. If you have any questions, please let me know.

Thank you,
Scott Willard
Assist to THPO
Miami Nation
swillard@miamination.com
918-541-1390

Re: TCNS 86035, 86037, 86040 & 86376

The Miami Tribe of Oklahoma is satisfied with efforts conducted to be sure that no Miami historic properties or other Miami cultural resources will likely be adversely affected by construction and use of this tower. The Miami Tribe of Oklahoma is not currently aware of any specific Miami cultural or historic site in this project area. We therefore offer no objection to the proposed construction.

Because this tower lies in the homelands of the Miami, in the event that archaeological materials, including human remains, are discovered during construction or later ground-disturbing activities at this location, please re-open consultation at that time by contacting our THPO at gstrack@miamination.com or 317-625-1288. Similarly, if plans are considered to expand or modify this tower and cause additional ground disturbance in the future, please let us know. Please forward the Tribe's concerns regarding any such future work and unanticipated discoveries, as well as our contact information, to the appropriate parties.

We urge everyone involved with cell tower development to construct and maintain their projects in keeping with best practices for minimizing environmental impact – particularly on species, such as bird and bats, who might incur negative impacts from cell tower development and use. Please also re-vegetate with species native to the area.

We appreciate your efforts to consult with us.

Regards,

Scott Willard for

George Strack, THPO

Miami Tribe of Oklahoma

13



3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions
June 29, 2012

**REFERENCE:
FCC'S TCNS #86035**

Project #V12619

Mr. George Strack, THPO
Miami Tribe of Oklahoma
202 S. Eight Tribes Trail, PO Box 1326
Miami, OK 74355

RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE #SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI

Dear Mr. Strack:

In accordance with federal law, GSS, Inc. is in the process of completing a NEPA Checklist/Section 106 Compliance at the above referenced site. The proposed site is scheduled to contain a 300' guyed tower and equipment shelter. The FCC sent a notice from the Tower Construction Notification System (TCNS) on June 7, 2012 providing initial information for this project. Additional detailed information regarding the site location is as follows:

Address: TBD State Road E, DeSoto, Jefferson County, Missouri
Quadrangle: Vineland, MO 1981
Latitude: 38° 1' 7.2" Longitude: 90° 34' 18.8"
Section 10, Township 38N, Range 4E

We respectfully invite your participation and input in the review of this project under federal law in determining if the site is on or within the viewshed of properties listed or eligible for listing on the National Register of Historic Places or is on or within the viewshed of Native American religious sites that have cultural significance to Native American Tribes.

The following items have been emailed to swillard@miamination.com:

- A Phase I Intensive Archaeological Survey by K&K Environmental which concluded that no further archaeological work needed to be performed; report includes a USGS Quadrangle map, project sketch/drawings, an aerial photograph, photographs of the proposed location as well as the surrounding area.

A check for the requested research/handling/processing fee is attached.

This project is being submitted to the Missouri SHPO office as of the date of this letter and we will forward their review letter upon receipt.

Please contact me if you have any questions or would like further information regarding this proposed project.

Please communicate at your earliest convenience your interest or lack of interest in this project. Please respond by phone (800-373-6761), fax (515-331-1728), email (cjohnson@gssmidwest.com), regular mail (3311 109th Street, Urbandale, IA 50322) or through the FCC's TCNS. Thank you for your attention to this matter.

Yours truly,
GSS Inc.

A handwritten signature in cursive script that reads "Candace J. Johnson".

Candace J. Johnson
Enclosures



Candi Johnson

From: towernotifyinfo@fcc.gov
Sent: Wednesday, June 06, 2012 3:59 PM
To: Candi Johnson
Cc: tcns.fccarchive@fcc.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 86035) - Email ID #3040430

Dear Stephen J Blazenko,

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 THPO George Strack of the Miami Tribe of Oklahoma in reference to Notification ID #86035:

Aya, kikwesitoole - and Greetings from the Miami Tribe of Oklahoma.

Please note that we have updated our procedures and our fee structure as of 10-31-11.

This tower or broadband project lies within the homelands of the Miami. It is therefore possible that historic properties, artifacts, and human remains related to our occupation of this area could be discovered within the proposed Area of Potential Effect. We are thus interested in participating in Section 106 consultation regarding this project, as we are with all federal undertakings in our homelands. As the Tribal Historic Preservation Officer, I am the point of contact for all Section 106 issues. In that capacity, I respectfully request that you follow our Section 106 procedures for consultation. Please contact our Section 106 research and review assistant at swillard@miamination.com or at 918-541-1390 to obtain a copy of the procedures or discuss your project. This e-mail address (swillard@miamination.com) shall be used for all further correspondence regarding this tower. Thank you,

George Strack, THPO
Miami Tribe of Oklahoma

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

Notification Received: 05/31/2012
Notification ID: 86035
Tower Owner Individual or Entity Name: Pyramid Network Solutions LLC
Consultant Name: Stephen J Blazenko
Street Address: 3311 109th Street
City: Urbandale
State: IOWA
Zip Code: 50322
Phone: 515-331-2103
Email: cjohnson@gssmidwest.com

Structure Type: GTOWER - Guyed Tower

3

Latitude: 38 deg 1 min 7.2 sec N
Longitude: 90 deg 34 min 18.8 sec W
Location Description: TBD State Road E
City: DeSoto
State: MISSOURI
County: JEFFERSON
Ground Elevation: 255.1 meters
Support Structure: 91.4 meters above ground level
Overall Structure: 91.4 meters above ground level
Overall Height AMSL: 346.5 meters above mean sea level

14



PEORIA TRIBE OF INDIANS OF OKLAHOMA

118 S. Eight Tribes Trail (918) 540-2535 FAX (918) 540-2538

P.O. Box 1527

MIAMI, OKLAHOMA 74355

CHIEF
John P. Froman

SECOND CHIEF
Jason Dollarhide

July 12, 2012

Candace Johnson
GSS Inc.
3311 109th Street
Urbandale, Iowa 50322

RE: **TCNS #86035**

Address: TBD State Road E, DeSoto, Jefferson County, Missouri

Quadrangle: Vineland, MO 1981

Latitude: 38-1-7.2 Longitude: 90-34-18.8

Section 10, Township 38N, Range 4E

Thank you for providing the requested materials for the referenced project along with our consultation fee. After review of the project packet our research concurs with the findings at this time. There appear to be no objects of cultural significance or artifacts linked to our tribe located on or near the project location.

The Peoria Tribe of Indians of Oklahoma is currently unaware of items covered under NAGPRA (Native American Graves Protection and Repatriation Act) to be associated with the proposed construction site. These items include; funerary or sacred objects; objects of cultural patrimony; or ancestral human remains. The Peoria Tribe has no objection at this time to the proposed construction.

If, however, at any time items are discovered which fall under the protection of NAGPRA, the Peoria Tribe requests immediate notification and consultation.

In addition state, local and tribal authorities should be advised as to the findings and construction halted until consultation with all concerned parties has occurred.

John P. Froman
Chief

TREASURER
Aaron Wayne Blalock

SECRETARY
Don Giles

FIRST COUNCILMAN
Carolyn Ritchey

SECOND COUNCILMAN
Jenny Rampey

THIRD COUNCILMAN
Alan Goforth

14

Candi Johnson

From: towernotifyinfo@fcc.gov
Sent: Thursday, July 12, 2012 2:04 PM
To: Candi Johnson
Cc: tcns.fccarchive@fcc.gov; mferguson@peoriatribes.com
Subject: Reply to Proposed Tower Structure (Notification ID: 86035) - Email ID #3058206

Dear Stephen J Blazenko,

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 Special Projects Manager/NAGPRA Frank Hecksher of the Peoria Tribe of Indians of Oklahoma in reference to Notification ID #86035:

Completed consultation

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

Notification Received: 05/31/2012
Notification ID: 86035
Tower Owner Individual or Entity Name: Pyramid Network Solutions LLC
Consultant Name: Stephen J Blazenko
Street Address: 3311 109th Street
City: Urbandale
State: IOWA
Zip Code: 50322
Phone: 515-331-2103
Email: cjohnson@gssmidwest.com

Structure Type: GTOWER - Guyed Structure Used for Communication Purposes
Latitude: 38 deg 1 min 7.2 sec N
Longitude: 90 deg 34 min 18.8 sec W
Location Description: TBD State Road E
City: DeSoto
State: MISSOURI
County: JEFFERSON
Ground Elevation: 255.1 meters
Support Structure: 91.4 meters above ground level
Overall Structure: 91.4 meters above ground level
Overall Height AMSL: 346.5 meters above mean sea level

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GSS, INC.

NO. OF PAGES:	TODAY'S DATE: 7/24/12	PROJECT NO.:
TO: Frank Hecksher	FROM: Candi Johnson	
COMPANY: Peoria	COMPANY: GSS	
LOCATION:	LOCATION: 3311 109 th Street Urbandale, Iowa 50322	
TELEPHONE #:	TELEPHONE #: (515) 331-2103	
FAX #: 918-540-2538	FAX #: (515) 331-1728	

COMMENTS:

Attached is the SHPO response for TCNS # 86035 + 86040.

Previous information on this was sent to you on: 6/29/12 + 7/6/12.

We have your response,
For your records.

Thanks
Candi Johnson

14



3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions
June 29, 2012

**REFERENCE:
FCC'S TCNS #86035**

Project #V12619

Mr. Frank Hecksher, Special Projects Manager/NAGPRA
Peoria Tribe of Indians of Oklahoma
118 S. Eight Tribes Trail, P.O. Box 1527
Miami, OK 74355-1527

RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE #SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI

Dear Mr. Hecksher:

In accordance with federal law, GSS, Inc. is in the process of completing a NEPA Checklist/Section 106 Compliance at the above referenced site. The proposed site is scheduled to contain a 300' guyed tower and equipment shelter. The FCC sent a notice from the Tower Construction Notification System (TCNS) on June 7, 2012 providing initial information for this project. Additional detailed information regarding the site location is as follows:

Address: TBD State Road E, DeSoto, Jefferson County, Missouri
Quadrangle: Vineland, MO 1981
Latitude: 38° 1' 7.2" Longitude: 90° 34' 18.8"
Section 10, Township 38N, Range 4E

We respectfully invite your participation and input in the review of this project under federal law in determining if the site is on or within the viewshed of properties listed or eligible for listing on the National Register of Historic Places or is on or within the viewshed of Native American religious sites that have cultural significance to Native American Tribes.

Enclosed for your review are the following items:

- A Phase I Intensive Archaeological Survey by K&K Environmental which concluded that no further archaeological work needed to be performed; report includes a USGS Quadrangle map, project sketch/drawings, an aerial photograph, photographs of the proposed location as well as the surrounding area.
- A check for the requested research/handling/processing fee, etc.

This project is being submitted to the Missouri SHPO office as of the date of this letter and we will forward their review letter upon receipt.

Please contact me if you have any questions or would like further information regarding this proposed project.

Please communicate at your earliest convenience your interest or lack of interest in this project. Please respond by phone (800-373-6761), fax (515-331-1728), email (cjohnson@gssmidwest.com), regular mail (3311 109th Street, Urbandale, IA 50322) or through the FCC's TCNS. Thank you for your attention to this matter.

Yours truly,
GSS, Inc.

Candace J. Johnson
Enclosures

15



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

FACSIMILE COVER PAGE

TO: Candi FROM: KIM JUMPER

FIRM/AGENCY: GSS DATE/TIME: 8/08/12

FAX NUMBER: 515-331-1728 NO. OF PAGES, INCLUDING COVER: 1

PHONE NUMBER: _____ MEMO: 86035, 86040

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

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

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

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

Please do not hesitate to call us for additional comment.

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GSS, INC.

NO. OF PAGES:	TODAY'S DATE:	PROJECT NO.:
TO: Kim	FROM: 7/23/12	
COMPANY: Shawnee	COMPANY: GSS	
LOCATION:	LOCATION: 3311 109 th Street Urbandale, Iowa 50322	
TELEPHONE #:	TELEPHONE #: (515) 331-2103	
FAX #:	FAX #: (515) 331-1728	
COMMENTS:		
Attached is the SHPO response for TCNS # <u>86038 + 86040</u> .		
Previous information on this was sent to you on: <u>6/29/12</u> .		

15



3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions
June 29, 2012

**REFERENCE:
FCC'S TCNS #86035**

Project #V12619

Ms. Kim Jumper, THPO
Shawnee Tribe-Historic Preservation Dept.
29 South Highway 69A
Miami, OK 74354

RE: JEFFERSON COUNTY 911 DISPATCH / PYRAMID NETWORK SERVICES LLC, SOUTHWEST SITE #SRF3, DESOTO, JEFFERSON COUNTY, MISSOURI

Dear Ms. Jumper:

In accordance with federal law, GSS, Inc. is in the process of completing a NEPA Checklist/Section 106 Compliance at the above referenced site. The proposed site is scheduled to contain a 300' guyed tower and equipment shelter. The FCC sent a notice from the Tower Construction Notification System (TCNS) on June 7, 2012 providing initial information for this project. Additional detailed information regarding the site location is as follows:

Address: TBD State Road E, DeSoto, Jefferson County, Missouri
Quadrangle: Vineland, MO 1981
Latitude: 38° 1' 7.2" Longitude: 90° 34' 18.8"
Section 10, Township 38N, Range 4E

We respectfully invite your participation and input in the review of this project under federal law in determining if the site is on or within the viewshed of properties listed or eligible for listing on the National Register of Historic Places or is on or within the viewshed of Native American religious sites that have cultural significance to Native American Tribes.

Enclosed for your review are the following items:

- A Phase I Intensive Archaeological Survey by K&K Environmental which concluded that no further archaeological work needed to be performed; report includes a USGS Quadrangle map, project sketch/drawings, an aerial photograph, photographs of the proposed location as well as the surrounding area.
- A check for the requested research/handling/processing fee, etc.

This project is being submitted to the Missouri SHPO office as of the date of this letter and we will forward their review letter upon receipt.

Please contact me if you have any questions or would like further information regarding this proposed project.

Please communicate at your earliest convenience your interest or lack of interest in this project. Please respond by phone (800-373-6761), fax (515-331-1728), email (cjohnson@gssmidwest.com), regular mail (3311 109th Street, Urbandale, IA 50322) or through the FCC's TCNS. Thank you for your attention to this matter.

Yours truly,
GSS, Inc.

Candace J. Johnson
Enclosures



Candi Johnson

From: towernotifyinfo@fcc.gov
Sent: Friday, June 08, 2012 4:27 PM
To: Candi Johnson
Cc: tcns.fccarchive@fcc.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 86035) - Email ID #3041902

Dear Stephen J Blazenko,

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 THPO Kim Jumper of the Shawnee Tribe in reference to Notification ID #86035:

WE HAVE UPDATED OUR PROCEDURES FOR 2012 (EFFECTIVE 3-01-12). PLEASE MAKE SURE THAT YOU HAVE RECEIVED AND READ A COPY OF OUR UPDATED PROCEDURES .

Please use only the following address when sending materials to us:

Please use this fax number to contact us: 918-542-9915. Please do not contact us via e-mail.

SHAWNEE TRIBE
ATT: KIM JUMPER
HISTORIC PRESERVATION DEPT.
29 SOUTH HIGHWAY 69A
MIAMI, OK 74354

The Shawnee Tribe is interested in consulting on this tower, as we are in all towers in this geographic area. Ms. Kim Jumper is our manager for cell tower consultation. Please contact Kim Jumper, Asst. THPO, at 918-542-2441 if you have any questions on this or any other TCNS project.

For this particular tower to which we are responding, please follow our consultation procedures. Please note our consultation fee is \$100.00 per tower for new towers. If this tower is a CO-LOCATION, please fax us and let us know. We cannot always reliably tell from the TCNS web site when a tower is a co-location.

PLEASE, when you are mailing us regarding a cell tower, be sure to put Kim Jumper's name and Historic Preservation Department in the address. If you send any mailing just generally to the Shawnee Tribe, without including the name and department, several days or more may pass before the mailing is properly directed.

In the event that you are building another tower in this state and you did not receive a response from us through the TCNS, it is because the project was omitted from the TCNS web site, as we respond to ALL towers listed in our geographic areas on that web site. We take this opportunity to remind you that, even if a tower has **been** omitted from the TCNS web site, as occasionally happens, we are still interested in consulting on it.

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

15

Notification Received: 05/31/2012

Notification ID: 86035

Tower Owner Individual or Entity Name: Pyramid Network Solutions LLC

Consultant Name: Stephen J Blazenko

Street Address: 3311 109th Street

City: Urbandale

State: IOWA

Zip Code: 50322

Phone: 515-331-2103

Email: cjohnson@gssmidwest.com

Structure Type: GTOWER - Guyed Tower

Latitude: 38 deg 1 min 7.2 sec N

Longitude: 90 deg 34 min 18.8 sec W

Location Description: TBD State Road E

City: DeSoto

State: MISSOURI

County: JEFFERSON

Ground Elevation: 255.1 meters

Support Structure: 91.4 meters above ground level

Overall Structure: 91.4 meters above ground level

Overall Height AMSL: 346.5 meters above mean sea level

V12619
86035

From: towernotifyinfo@fcc.gov
Sent: Friday, June 08, 2012 2:01 AM
To: Candi Johnson
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3038296

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).

R=Responded (no interest @ this time)

1. Director of Cultural Affairs Gary Robinette - Ponca Tribe of Nebraska - Niobrara, NE - electronic mail and regular mail

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

2. Chairman Amen Sheridan - Omaha Tribe of Nebraska - Macy, NE - electronic mail and regular mail

Details: If the Applicant receives no response from the Omaha Tribe of Nebraska within 30 days after notification through TCNS, the Omaha Tribe of Nebraska has no objection to project, however, the Omaha Tribe will show no interest in participating in pre-construction review for the site. The Applicant, however, must notify the Omaha Tribe of Nebraska in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

3. Acting THPO Coreena Adkins - Iowa Tribe of Kansas & Nebraska - White Cloud, KS - electronic mail and regular mail

7-24-12
R
Details: If the Applicant/tower constructor receives no response from the Iowa Tribe of Kansas & Nebraska within 30 days after notification through TCNS, the Iowa Tribe of Kansas & Nebraska has no interest in participating in pre-construction review for the proposed site. The Applicant/tower constructor, however, must immediately notify the Iowa Tribe of Kansas & Nebraska in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

4. Chairman Steve Ortiz (Mon-wah) - Prairie Band Potawatomi Nation - Mayetta, KS - electronic mail and regular mail

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

8-24-12
R
5. THPO Henryetta Ellis - Absentee-Shawnee Tribe of Indians of Oklahoma - Shawnee, OK - electronic mail and regular mail

Details: If the ground of the proposed project area has been previously disturbed, or if there will be no ground disturbing activity, then we request no further project notification.

For all other proposed projects, please send a copy of the cultural resources/archeological survey for the proposed site, and the response letter from the respective SHPO. Please Include the county of the proposed project location and also include the TCNS number on your correspondence to us.

For all projects, we do request to be notified upon the discovery of American Indian remains and related and/or unrelated funerary objects anywhere within the state.

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

R
6-19-12
6. Historic Preservation Director Johnathan L Buffalo - Sac & Fox Tribe of the Mississippi in Iowa - Tama, IA - electronic mail and regular mail

Details: For the State of Missouri, the Sac & Fox Tribe of the Mississippi in Iowa is only concerned with reviewing proposed sites that are to be located north of the Missouri River. For the State of Illinois, the Sac & Fox Tribe of the Mississippi in Iowa is only concerned with reviewing proposed sites that are to be located west of the Illinois River.

7. THPO/NAGPRA Technician Juliet K Goyen - Keweenaw Bay Indian Community - Baraga, MI - electronic mail

Details: The KBIC THPO reviews all projects within historic homelands for the presence of cultural resources with significance to the Anishinaabe. Your request will go through a preliminary review by our THPO/NAGPRA Technician, the review consists of relevant studies submitted by the applicant regarding cultural resources documentation, in house literature search, database search and GIS search for further information. If any cultural resources are identified during this process, the file will be turned over to the Tribal Historic Preservation Officer in order to make a determination of effects.

Information required in order to complete this process are as follows:

Project Name

Project Location

Physical Address

Latitude and Longitude

State, County, Township, Range, Section quarters Brief Project Description Existing studies for archaeological sites, and cultural resources.

As of February 15, 2012, the KBIC THPO will be charging a fee of \$250.00 per review unless the review covers more than one section of land in which case the fee is \$250.00 per section. Fees in this process cover the research and other activities required to provide you with a timely response so your project can stay on track. Please submit payment of \$250.00 for each project application submitted, checks should be made payable to KBIC THPO, 16429 Beartown Road, Baraga, Michigan 49908. Any questions can be directed to Christopher J. Chosa, Tribal Historic Preservation Officer or Juliet K. Goyen, THPO/NAGPRA Technician via email: cchosa@kbic-nsn.gov, jgoyen@kbic-nsn.gov or thpo@kbic-nsn.gov or by phone: 906-353-6272 or 906-353-6278.

8. Paralegal & Quapaw TCNS Representative Wendy A Huntzinger - Quapaw Tribe of Oklahoma c/o Conner & Winters - Tulsa, OK - electronic mail

9. THPO/NAGPRA REP. Paul Barton - Seneca-Cayuga Tribe of Oklahoma - Grove, OK - electronic mail

Details: Thank you for contacting the Seneca-Cayuga Tribe of Oklahoma. The Seneca Cayuga Tribe is committed to protecting sites important to Tribal Heritage, Culture and Religion. Furthermore the Tribe is particularly concerned with historical sites that may contain but not limited to the burial(s) of human remains and associated funerary objects.

Please note changes in our procedures. As of November 1, 2011, the Seneca Cayuga Tribe will be charging a \$150 review fee for all proposed projects with ground disturbing activities, projects as co-location sites which DO NOT require ground disturbance will be exempt from any fees. Please send a check or money order with Project Notice in the amount of \$150, made payable to Seneca-Cayuga Tribe, to the following address:

Seneca-Cayuga NAGPRA Office
c/o Paul Barton, NAGPRA Rep.

23701 South 655 Road
Grove, OK 74344

If the applicant/tower builder receives no response from the Seneca-Cayuga Tribe of Oklahoma within 30 days AFTER sending the Notice and \$150 review fee, the Seneca-Cayuga Tribe of Oklahoma has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Seneca-Cayuga Tribe of Oklahoma in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

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

10. THPO Dr. Andrea A Hunter - Osage Nation - Pawhuska, OK - regular mail

Details: The Osage Nation Tribal ~~Historic Preservation~~ Office requires the following information and fee regarding all antenna or tower notifications:

- 1) Specific legal description of site location using USPLSS and UTM designations only.
- 2) Maps locating project area, within region and within local area (aerial and USGS topo maps)
- 3) Project site plan maps, do not submit hand drawn or hand annotated maps
- 4) Site photographs (include images with exact location of construction site by taking shot with cell tower/base/compound location indicated or marked by stakes or flagging)
- 5) Include map locating shovel tests and provide shovel test log.
- 6) Professional cultural/archaeological survey report (Secretary of Interior's standards and guidelines for reports can be found at the National Park Service website (www.nps.gov).
- 7) Reference all documentation with TCNS #.
- 8) Submit a \$400.00 per-tower fee for consultation, processing, and handling. Make the check payable to the Osage Nation. On the memo line write all TCNS numbers.
- 9) A CELL TOWER CONSULTATION PROCEDURES DOCUMENT is available by email and is recommended for guidance, send an email request to Dr. Andrea A. Hunter at: ahunter@osage-tribe.org.

11. Acting THPO Lisa C LaRue-Baker - United Keetoowah Band of Cherokee Indians - Tahlequah, OK - electronic mail and regular mail

Details: As of July, 2011, United Keetoowah Band will be changing the review fee to \$300.00. This will be for ALL reviews, including colocations and resites. Cancelled projects are still subject to fee, as the UKB reviews the project in good faith, even if the site is later abandoned. REVIEWS AND INVOICES ARE BASED ON OFFICIAL REPORTS OF TOWERS SUBMITTED DELIVERED TO THE UKB BY THE FCC. If a site is cancelled or abandoned within the first week of listing on the TCNS system, PLEASE CONTACT THE UKB (Lisa LaRue) at UKBTHPO-LARUE@YAHOO.COM to CANCEL to avoid review and invoicing. Invoices will be sent along with clearance or concern letters, and are expected to be paid within 30 days, just as we review your projects in the time allotted on this end. We thank you for your cooperation.

YOU MUST INCLUDE THE TCNS NUMBER(S) ON YOUR PAYMENT FORM TO BE CREDITED PROPERLY.

NOTICE REGARDING NON PAYMENT AND LATE PAYS:

LATE PAYS: Invoices from the UKB which remain unpaid after 30 days will result in termination of review of projects for the particular company until invoices are paid. Consultation responsibility will revert to the federal agency for such companies.

Late pays over 60 days will result in notification to actual cell tower company regarding consultant's late payment status and notification that further reviews will be terminated unless handled directly through the federal agency.

Late pays over 90 days will result in all of the above plus notification of -non payment- status to tribal court for recommendation to be turned over to collection agency and Better Business Bureau.

NON PAYMENT: Any payments over 90 days late will be considered non-payment and will result in termination of reviews for consultant/tower company (unless handled directly by the Federal Agency) and will be turned over to tribal court to be recommended for assignment to collection agency and notification to the Better Business Bureau. Future reviews for the consultant/tower company will require PREPAYMENT.

YOUR SECTION 106 obligations with our tribe are not fulfilled until you receive our written response indicating our determination. Please do not hamper your client's ability to receive reviews and responses by becoming late on your payments!!

ALL CORRESPONDENCE SHALL BE CONDUCTED VIA E-MAIL and E-MAIL ATTACHMENTS.

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

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

8-1-10
13. THPO George Strack - Miami Tribe of Oklahoma - Miami, OK - electronic mail

Details: The Miami Tribe of Oklahoma has instituted new NHPA, Section 106, consultation procedures for cell towers effective 9-15-2010. For an updated copy of these procedures (10-31-11), which you will need to follow to complete Section 106 consultation with us, please contact the THPO Assistant at swillard@miamination.com. Thank you.

7-12-10
14. Special Projects Manager/NAGPRA Frank Hecksher - Peoria Tribe of Indians of Oklahoma - Miami, OK - electronic mail and regular mail

Details: Peoria Tribe of Indians of Oklahoma Cell Tower Consultation Procedures Beginning August 1, 2011 we are requiring a fax, mailing or shipping of materials to our tribal office regarding cell tower consultation. We will not handle cell tower consultation electronically.

When you receive the FCC response that lists the Peoria Tribe of Indians of Oklahoma for your area, you have been officially notified of our interest.

1. To initiate consultation with the Peoria Tribe please submit a brief project summary via U.S. mail or other carrier with a per-tower research and filing fee of \$200.00. If a project is listed as a Collocation site our research and filing fee is \$100. Checks should be made payable to Peoria Tribe of Indians of Oklahoma with the

TCNS number in the memo line. Please note, this fee is not for determining our initial interest, as we have already done so by defining our geographic areas of interest through the TCNS, but for providing specialized information unique to the Peoria Tribe. Please use the TCNS number in any type of communication with us.

2. With the consultation initiation letter, please include the following:
 - a. Contact information, including phone and fax numbers, physical address, and e-mail address for the person to whom information from the Peoria Tribe should be sent.
 - b. A copy of the review letter from the State Historic Preservation Office for the state in which the tower is located.
 - c. These portions of the archaeological report: research methods and findings for both the historic archives review and the field survey. Please do not send us the architectural survey information, unless it is embedded with the archaeological information. We would appreciate 2 or 3 pictures of the project area.
 - d. A copy of the portion of the USGS quadrangle map, on which you have noted the project area.
 - e. Please fax or mail/ship materials regarding cell tower consultation.
We will not handle cell tower consultation electronically.
Fax (918-540-2538) or call (918-540-2535) with questions.

PLEASE DO NOT SEND THE ENTIRE FORM 620. We request only the items listed above.

3. Please use only the following address and contact information.

For U.S. Postal, Priority & Express Mail please address:

Peoria Tribe Historic Preservation Office
Attention: Frank Hecksher
Peoria Tribe of Indians of Oklahoma
PO Box 1527
Miami, OK 74355-1527

Or to physical address:

Peoria Tribe Historic Preservation Office
Attention: Frank Hecksher
Peoria Tribe of Indians of Oklahoma
118 S. Eight Tribes Trail
Miami, OK 74354

8-8-08
15. THPO Kim Jumper - Shawnee Tribe - Miami, OK - regular mail

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

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

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

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

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

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

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

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

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.

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

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

18. SHPO William L Wheeler - Illinois Historic Preservation Agency - Springfield, IL - regular mail

19. Chief of Staff, Deputy SHPO Theodore Hild - Illinois Historic Preservation Agency - Springfield, IL - electronic mail

20. Deputy SHPO Anne Haaker - Illinois Historic Preservation Agency - Springfield, IL - regular mail

21. SHPO Stephen Mahfood - State Department of Natural Resources - Jefferson City, MO - regular mail

22. Deputy SHPO, Director Mark Miles - Historic Preservation Program, Division of State Parks - Jefferson City, MO - electronic mail

23. Deputy SHPO Sara Parker - State Department of Natural Resources - Jefferson City, MO - electronic mail

24. SHPO Bob L Blackburn - Oklahoma Historical Society - Oklahoma City, OK - regular mail

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

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

Notification Received: 05/31/2012

Notification ID: 86035

Tower Owner Individual or Entity Name: Pyramid Network Solutions LLC

Consultant Name: Stephen J Blazenko

Street Address: 3311 109th Street

City: Urbandale

State: IOWA

Zip Code: 50322

Phone: 515-331-2103

Email: cjohnson@gssmidwest.com

Structure Type: GTOWER - Guyed Tower

Latitude: 38 deg 1 min 7.2 sec N

Longitude: 90 deg 34 min 18.8 sec W

Location Description: TBD State Road E

City: DeSoto

State: MISSOURI

County: JEFFERSON

Ground Elevation: 255.1 meters

Support Structure: 91.4 meters above ground level

Overall Structure: 91.4 meters above ground level

Overall Height AMSL: 346.5 meters above mean sea level

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

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

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

Thank you,
Federal Communications Commission

Appendix 6

Pertinent Background Information including RF Statement



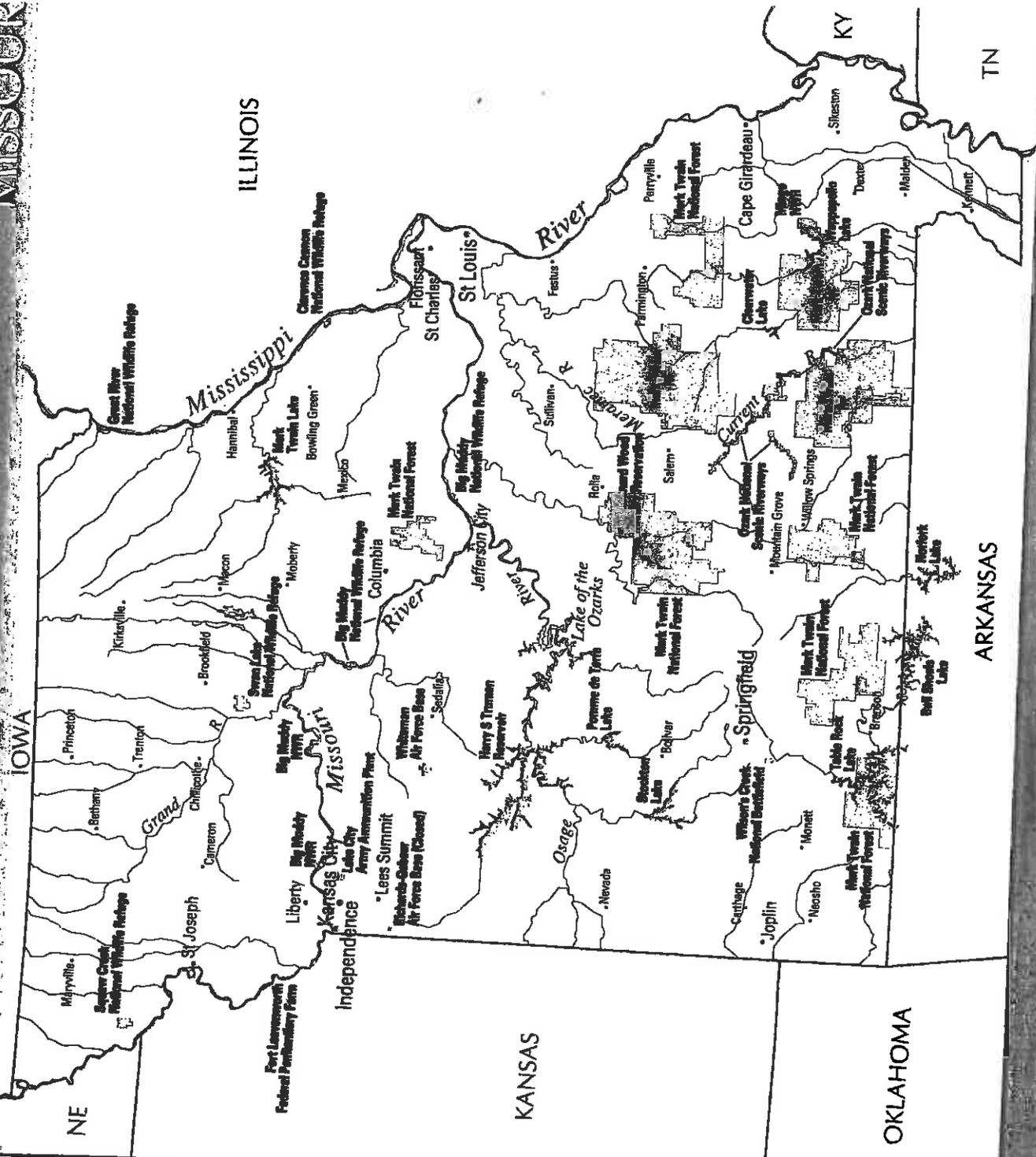
FEDERAL LANDS AND INDIAN RESERVATIONS

-  Bureau of Prisons
-  Department of Defense (includes Army Corps of Engineers lakes)
-  Fish and Wildlife Service / Wilderness
-  Forest Service / Wilderness
-  National Park Service / Wilderness

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



- Abbreviations
- NF National Forest
 - NWR National Wildlife Refuge





U.S. Fish & Wildlife Service

Refuge List by State

[Click Here to see an alphabetical list of refuges broken out by letter.](#)
[Click Here to see a one page alphabetical list of refuges.](#)

As of 9/30/07 (the Division of Realty's annual reporting date), there were 548 national wildlife refuges in all 50 states. Rocky Flats in Colorado was established as the 548th National Wildlife Refuge on July 12, 2007, adding nearly 4,000 acres to the refuge system. There were 37 Wetland Management Districts in the Prairie Pothole region of the northern Great Plains. **Not all of the refuges and Wetland Management Districts are represented with a Web Profile page.** Refuges that have boundaries in multiple states are listed only in the state where the main visitor entrance is located.

The acreage for the NWRS as of 9/30/07 was 96,420,884 acres. The system encompasses 548 national wildlife refuges, 37 Wetland Management Districts (which include Waterfowl Production Areas in 205 counties), and 49 Coordination Areas which are managed by the states.

AK - AL - AR - AZ - CA - CO - CT - DE - FL - GA - GU - HI - IA - ID - IL - IN - KS - KY - LA - MA - MD - ME - MI - MN - MO - MS - MT - NC - ND - NE - NH - NJ - NM - NV - NY - OH - OK - OR - PA - PR - RI - SC - SD - TN - TX - UT - VA - VI - VT - WA - WI - WV - WY

Missouri

Big Muddy National Fish & Wildlife Refuge Columbia Boone Co.

Clarence Cannon National Wildlife Refuge Annada Pike Co.

Great River National Wildlife Refuge Annada - Pike Co.

Mingo National Wildlife Refuge Puxico - Stoddard Co.

Ozark Cavefish National Wildlife Refuge Lawrence Co.

Pilot Knob National Wildlife Refuge Iron Co.

Squaw Creek National Wildlife Refuge mound city - Holt Co.

Swan Lake National Wildlife Refuge Sumner - Chariton Co.

[Return Home](#)



Locator Map
1-800-334-6946

Click on the region or the individual park or site you desire.

Kansas City Region

Battle of Lexington State Historic Site
 Thomas Hart Benton Home and Studio
 State Historic Site
 Big Lake State Park
 Confederate Memorial State Historic Site
 Knob Noster State Park
 Lewis and Clark State Park
 Wallace State Park
 Watkins Woolen Mill State Park and State
 Historic Site
 Weston Bend State Park

Other Places to See

National Frontier Trails Center
 Bruce R. Watkins Cultural Heritage Center

Northeast Region

Battle of Athens State Historic Site
 Crowder State Park
 Cuivre River State Park
 Graham Cave State Park
 Iliniwek Village State Historic Site
 Locust Creek Covered Bridge State Historic
 Site
 Long Branch State Park
 Gen. John J. Pershing Boyhood Home
 State Historic Site
 Pershing State Park
 Thousand Hills State Park
 Mark Twain Birthplace State Historic Site
 Mark Twain State Park
 Union Covered Bridge State Historic Site
 Wakonda State Park

Central Region

Arrow Rock State Historic Site
 Boone's Lick State Historic Site
 Bothwell Lodge State Historic Site
 Clark's Hill/Norton State Historic Site
 Finger Lakes State Park
 Jefferson Landing State Historic Site/Missouri State Museum
 Jewell Cemetery State Historic Site
 Katy Trail State Park
 Rock Bridge Memorial State Park
 Sappington Cemetery State Historic Site
 Van Meter State Park

St. Louis Region

Dr. Edmund A. Babler Memorial State Park



Castlewood State Park
Deutschheim State Historic Site
Gov. Daniel Dunklin's Grave State Historic Site
First Missouri State Capitol State Historic Site
Hawn State Park
Edward "Ted" and Pat Jones-Confluence Point State Park
Scott Joplin State Historic Site
Mastodon State Historic Site
Meramec State Park
Missouri Mines State Historic Site
Robertsville State Park
Route 66 State Park
St. Francois State Park
St. Joe State Park
Sandy Creek Covered Bridge State Historic Site
Felix Valle House State Historic Site
Washington State Park

Lakes Region

Battle of Carthage State Historic Site
Bennett Spring State Park
Big Sugar Creek State Park
Nathan Boone Homestead State Historic Site
Ha Ha Tonka State Park
Lake of the Ozarks State Park
Osage Village State Historic Site
Pomme de Terre State Park
Prairie State Park
Roaring River State Park
Stockton State Park
Table Rock State Park
Harry S Truman Birthplace State Historic Site
Harry S Truman State Park

Southeast Region

Sam A. Baker State Park
Big Oak Tree State Park
Bollinger Mill State Historic Site
Dillard Mill State Historic Site
Elephant Rocks State Park
Fort Davidson State Historic Site
Grand Gulf State Park
Hunter-Dawson State Historic Site
Johnson's Shut-Ins State Park
Lake Wappapello State Park
Montauk State Park
Morris State Park
Onondaga Cave State Park
Roger Pryor Pioneer Backcountry
Taum Sauk Mountain State Park
Towosahgy State Historic Site
Trail of Tears State Park

State Parks/Historic Sites Home Page

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[Kids & Education](#) | [Waste & Recycling](#) | [Historic Preservation](#) | [Human Resources](#) | [Merchandise](#) | [Search](#)



Department of Natural Resources
P.O. Box 176, Jefferson City, MO 65102

1-800-334-6946
E-mail: moparks@dnr.mo.gov
Revised on January 26, 2006



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St. Louis Region
1-800-334-6946

St. Louis Region

1. Dr. Edmund A. Babler Memorial State Park
2. Castlewood State Park
3. Deuschheim State Historic Site
4. Gov. Daniel Dunklin's Grave State Historic Site
5. First Missouri State Capitol State Historic Site
6. Hawn State Park
7. Edward "Ted" and Pat Jones-Confluence Point State Park
8. Scott Joplin House State Historic Site
9. Mastodon State Historic Site
10. Meramec State Park
11. Missouri Mines State Historic Site
12. Robertsville State Park
13. Route 66 State Park
14. St. Francois State Park
15. St. Joe State Park
16. Sandy Creek Covered Bridge State Historic Site
17. Felix Valle House State Historic Site
18. Washington State Park



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Department of Natural Resources
P.O. Box 176, Jefferson City, MO 65102

1-800-334-6946
E-mail: moparks@dnr.mo.gov
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[General Information](#)

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Gov. Daniel Dunklin's Grave State Historic Site, Herculaneum, houses the grave of Missouri's fifth governor (1832-1836). The site interprets Dunklin's role as the Father of Public Schools, and provides a scenic overlook of the Mississippi River.

Herculaneum, MO

39 °F

Rain

at 12:53 PM



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Department of Natural Resources
Gov. Daniel Dunklin's Grave State Historic Site
c/o Southern Missouri Historic District
2901 Highway 61, Festus, MO 63028

1-800-334-6946 / (636) 931-5200
E-mail: moparks@dnr.mo.gov
Revised on May 17, 2002.



Mastodon State Historic Site

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Mastodon State Historic Site contains an important archaeological and paleontological site - the Kimmswick Bone Bed. Bones of mastodons and other now-extinct animals were first found here in the early 1800s. The area gained fame as one of the most extensive Pleistocene ice age deposits in the country and attracted scientific interest worldwide.

Archaeological history was made at the site in 1979 when scientists excavated a stone spear point made by hunters of the Clovis culture (14,000 - 10,000 years ago) in direct association with mastodon bones. This was the first solid evidence of the coexistence of people and these giant prehistoric beasts.

Today, the 425-acre property preserves this National Register of Historic Places site and provides recreational opportunities. A museum tells the natural and cultural story of the oldest American Indian site one can visit in the state's park system. A full-size replica of a mastodon skeleton highlights the exhibits. A picnic area, several trails and a special-use campground offer chances to explore the land where the lives of Native Americans and mastodons once intertwined.



Imperial, MO

39 °F

Rain

at 12:53 PM



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Department of Natural Resources
 Mastodon State Historic Site
 1050 Museum Drive, Imperial, MO 63052

1-800-334-6946 / (636) 464-2976
 E-mail: moparks@dnr.mo.gov
 Revised on February 28, 2003.



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Covered bridges take us back to the days of homemade pie, homegrown tomatoes and hometown picnics; a time when journeys down life's road, or any road, were traveled at a slower pace. An estimated 30 covered bridges once spanned Missouri's rivers and creeks. Today, the Missouri Department of Natural Resources maintains and preserves Missouri's four surviving covered bridges.



[Burfordville Covered Bridge, part of Bollinger Mill State Historic Site](#)



[Locust Creek Covered Bridge State Historic Site](#)



[Sandy Creek Covered Bridge State Historic Site](#)



[Union Covered Bridge State Historic Site](#)

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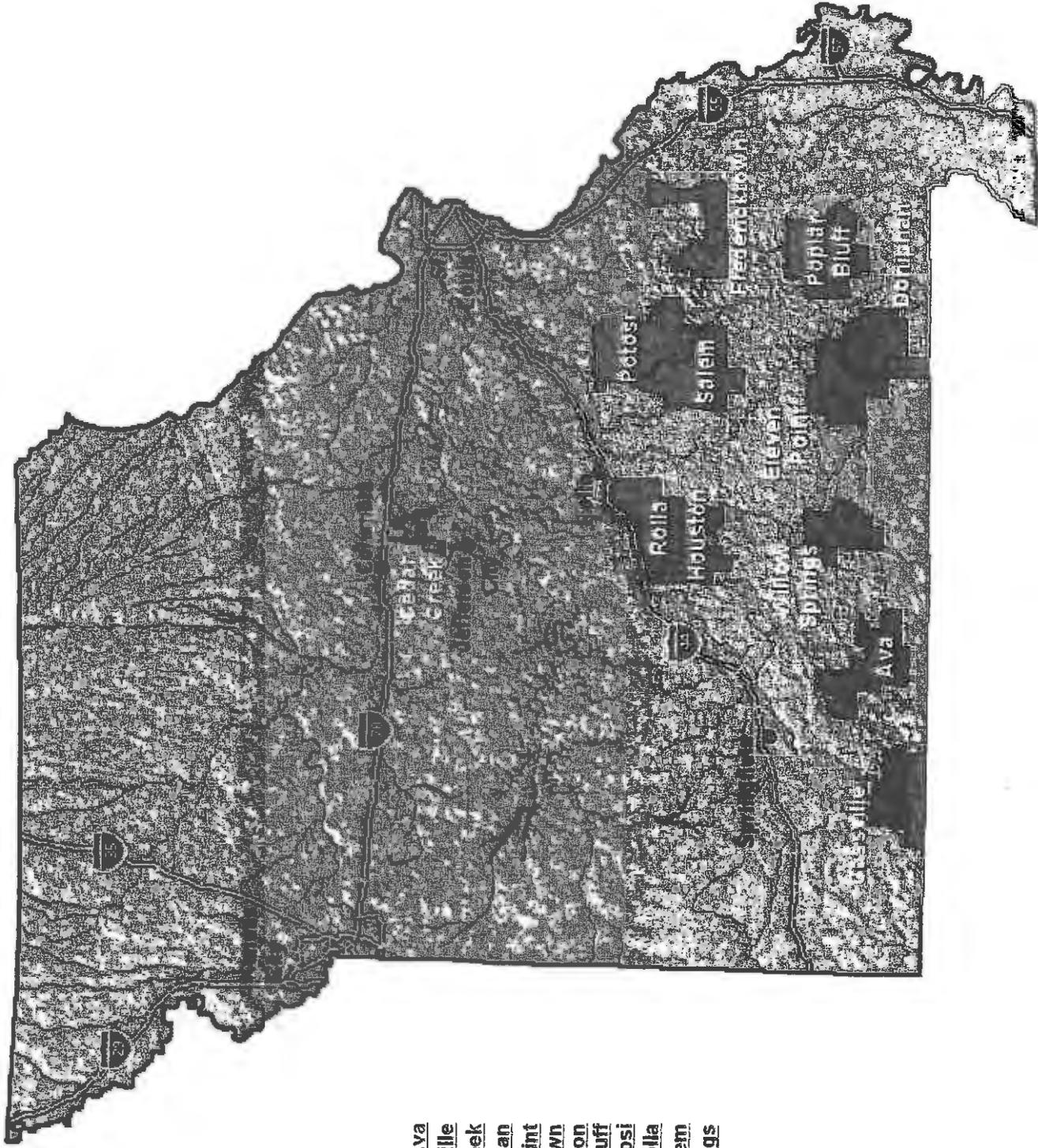
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P.O. Box 176, Jefferson City, MO 65102

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Revised on February 27, 2002 .

RANGER DISTRICTS



- Ava
- Cassville
- Cedar Creek
- Doniphan
- Eleven Point
- Fredericktown
- Houston
- Poplar Bluff
- Potosi
- Rolla
- Salem
- Willow Springs



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Places We Protect

Ozarks Region

- Bennett Spring Savanna - Laclede Co. (W. of Lebanon)
- Chilton Creek - Shannon & Carter Co. (N. of Van Buren)
- Grasshopper Hollow - Reynolds Co. (SW of Centerville)
- Shut-in Mountain Fens - Shannon Co. (SE of Eminence)
- Thorny Mountain - Shannon Co.

Northern Missouri

- Grand River Grasslands - Harrison Co. (N. of Bethany)

St. Louis Region

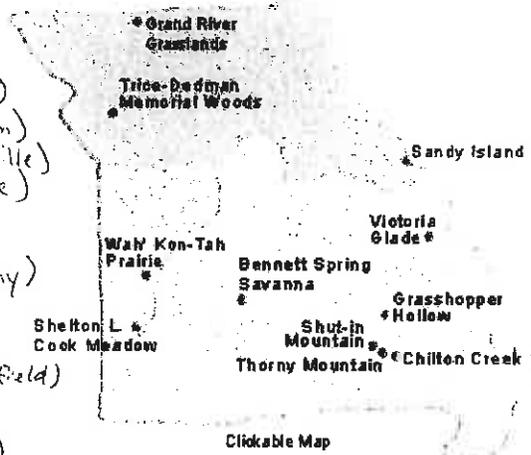
- Victoria Glade - Jefferson Co. (E. of Hillsboro)
- Sandy Island Bald Eagle Sanctuary - St. Louis Co. (E. of Winfield)

Southwest Missouri

- Shelton L. Cook Meadow - Barton Co. (SE of Lamar)
- Wah' Kon-Tah Prairie - St. Clair & Cedar Co. (NE. of Eldorado Springs)

Western Missouri

- Trice-Dedman Memorial Woods - Clinton Co. (W. of Kansas City & E. of Plattsburg)



Missouri Ecoregions

- Central Tallgrass Prairie
- Ozarks
- Osage Plains / Flint Hills Prairie
- Mississippi River / Alluvial Plain

What are Ecoregions?

Large areas of land or water defined by their distinct climate, geology and native species.



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