



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF NEW CINGULAR  
WIRELESS PCS, LLC (AT&T) FOR A  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED FOR  
THE CONSTRUCTION, MAINTENANCE  
AND OPERATION OF A  
TELECOMMUNICATIONS TOWER  
FACILITY AT 28 GREAT OAK LANE  
IN THE TOWN OF  
REDDING, CONNECTICUT

DOCKET NO. \_\_\_\_\_

August 25, 2010

APPLICATION FOR CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED

New Cingular Wireless PCS, LLC ("AT&T")  
500 Enterprise Drive  
Rocky Hill, Connecticut 06067

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11. Connecticut Siting Council Application Guide

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**I. Introduction**

**A. Purpose and Authority**

Pursuant to Chapter 277a, Sections 16-50g et seq. of the Connecticut General Statutes (“CGS”), as amended, and Sections 16-50j-1 et seq. of the Regulations of Connecticut State Agencies (“RCSA”), as amended, New Cingular Wireless PCS, LLC (“AT&T” or the “Applicant”), hereby submits an application and supporting documentation (collectively, the “Application”) for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless communications facility (the “Facility”) in the Town of Redding. The proposed Facility is a necessary component of AT&T’s wireless network and its provision of personal wireless communications services and will allow service to be provided to the public in central Redding. The Facility itself is proposed on property owned by the Town of Redding and used by the Town’s Highway Department as the Town Garage.

**B. Executive Summary**

This project has an approximately decade long history in the Town of Redding. In the earlier part of the past decade, Voicestream and the Town of Redding entered into an agreement

for construction of a 150' stealth monopole on the Town property at 28 Great Oak Lane. At that time, the project was the subject of Town Board of Selectmen and Planning Commission reviews and approvals of a lease for the tower facility. Nevertheless, the project was never moved forward by Voicestream into the regulatory approval phase of development and the lease agreement was voided by the Town.

In the middle part of the past decade, AT&T began its own discussion with the Town of Redding to explore construction of a new tower facility at the Town Garage on 28 Great Oak Lane. These discussions were an outgrowth of Docket 284 and an AT&T stealth monopole tower facility that had been approved by the Siting Council further west along State Route 107 in the Town of Redding. Discussions by Town and AT&T representatives took place at various points in time over the next several years.

In late 2008, discussions turned into negotiations between AT&T and the Town with significant efforts by the parties to prepare materials for Town Board of Selectmen and Planning Commission review and consideration of a Town lease agreement with AT&T. At that time, AT&T proposed a 150' monopole with platforms. Over the course of the next year, AT&T and Town representatives met several times to negotiate terms and conditions of the lease. Additionally, AT&T conducted a publicly noticed crane test for visual assessments, prepared AT&T radiofrequency coverage analyses and the Town also considered a Siting Council PA 7-222 Coverage Assessment. Moreover, the Town's Board of Selectmen and Planning Commission conducted several hearings and meetings to consider both the lease and the various tower siting alternatives implicated by an agreement with AT&T. This included detailed consideration of a 150' monopole with platforms or a 180' stealth monopole alternative.

By late 2009, the Planning Commission and Board of Selectmen had both authorized execution of a lease with AT&T for construction of a 180' stealth monopole. Town agencies concluded that such a structure would best balance the need for a colocatable tower structure with aesthetics and visibility in this area of the community. This particularly given the Town's personal viewing of the crane test at 150' and 180' and the comprehensive visual analysis prepared by VHB which demonstrated that 30' of additional tower height in this location was not significantly more visible off-site. As such, the Town executed a lease with AT&T in December of 2009.

Thereafter and in early 2010, AT&T representatives continued with further due diligence required for the project, including National Environmental Policy Act ("NEPA") review pursuant to Federal Communications Commission ("FCC") regulations, wetlands assessments and other fact gathering. Indeed, AT&T engaged in a significant consultation with the State Historic Preservation Officer ("SHPO") as required by FCC regulations and given the site's proximity to the Redding Center National Historic District. In June of 2010, SHPO issued a no adverse effect letter for the project as proposed and conditioned on the tower remaining a stealth monopole. This determination has legal significance for purposes of FCC regulations and Section 106 of the National Historic Preservation Act of 1966, 16 U.S.C § 470f. As such, and at this time, AT&T is submitting the project for Siting Council review and consideration as proposed, a 180' stealth monopole tower facility.

The site of AT&T's proposed facility is adjacent to Town Garage buildings on a 6.5 acre parcel of property owned by the Town of Redding located at 28 Great Oak Lane. The property is improved with several buildings and facilities used by the Town of Redding Highway

Department. The Town Garage property is adjacent to other Town of Redding lands improved with a public school and playing fields along with single family residential properties.

The proposed AT&T Facility consists of a new 180' stealth monopole and associated unmanned equipment at grade. AT&T will mount panel antennas internal to the stealth monopole within at least the top 20' of the structure. A 12' x 20' equipment shelter will be installed adjacent to the tower within a 33' x 73' gravel compound. Vehicular access to the facility would extend along an easement over the existing driveway that serves the Town property. An existing aboveground utility pole line on the property would be extended and upgraded as necessary to serve the proposed telecommunications tower facility.

Included in this Application and its accompanying attachments are reports, plans and visual materials detailing the proposed Facility and the environmental effects associated therewith. A copy of the Council's Community Antennas Television and Telecommunication Facilities Application Guide with page references from this Application is also included in Attachment 11.

### **C. The Applicant**

The Applicant is a Delaware limited liability company with an office at 500 Enterprise Drive, Rocky Hill, Connecticut 06067. The company's member corporation is licensed by the Federal Communications Commission ("FCC") to construct and operate a personal wireless services system, which has been interpreted as a "cellular system", within the meaning of CGS Section 16-50i(a)(6). The company does not conduct any other business in the State of Connecticut other than the provision of personal wireless services under FCC rules and regulations.

Correspondence and/or communications regarding this Application shall be addressed to the attorneys for the applicant:

Cuddy & Feder LLP  
445 Hamilton Avenue, 14<sup>th</sup> Floor  
White Plains, New York 10601  
(914) 761-1300  
Attention: Christopher B. Fisher, Esq.  
Daniel M. Laub, Esq.

A copy of all correspondence shall also be sent to:

AT&T  
500 Enterprise Drive  
Rocky Hill, Connecticut  
Attention: Michele Briggs

**D. Application Fee**

Pursuant to RCSA Section 16-50v-1a(b), a check made payable to the Siting Council in the amount of \$1,250 accompanies this Application.

**E. Compliance with CGS Section 16-50I(c)**

AT&T is not engaged in generating electric power in the State of Connecticut. As such, AT&T's proposed Facility is not subject to Section 16-50r of the Connecticut General Statutes. Furthermore, AT&T's proposed Facility has not been identified in any annual forecast reports, therefore AT&T's proposed Facility is not subject to Section 16-50I(c).

**II. Service and Notice Required by CGS Section 16-50I(b)**

Pursuant to CGS Section 16-50I(b), copies of this Application have been sent by certified mail, return receipt requested, to municipal, regional, State, and Federal officials. A certificate of service, along with a list of the parties served with a copy of the Application is included in Attachment 9. Pursuant to CGS 16-50I(b), notice of the Applicant's intent to submit this application was published on two occasions in the Redding Pilot, the paper utilized for



publication of planning and zoning notices in the Town of Redding and of wide circulation in the area. A copy of the published legal notice and the publisher's affidavit of publication are included in Attachment 10. The original publisher's affidavit of publication are being provided separately with this application. Further, in compliance with CGS 16-50l(b), notices were sent to each person appearing of record as owner of a property which abuts the property on which the facility is proposed. Certification of such notice, a sample notice letter, the list of property owners to whom the notice was mailed and proof of receipt are included in Attachment 10.

### **III. Statements of Need and Benefits**

#### **A. Statement of Need**

As the Council is aware, the United States Congress, through adoption of the Telecommunications Act of 1996, recognized the important public need for high quality telecommunication services throughout the United States. The purpose of the Telecommunications Act was to "provide for a competitive, deregulatory national policy framework designed to accelerate rapidly private sector deployment of advanced telecommunications and information technologies to all Americans." H.R. Conf. Rep. No. 104-458, 206, 104<sup>th</sup> Cong., Sess. 1 (1996). With respect to wireless communications services, the Telecommunications Act of 1996 expressly preserved State and/or local land use authority over wireless facilities, placed several requirements and legal limitations on the exercise of such authority and preempted State or local regulatory oversight in the area of emissions as more fully set forth in 47 U.S.C. § 332(c)(7). In essence, Congress struck a balance between legitimate areas of State and/or local regulatory control over wireless infrastructure and the public's interest in its timely deployment to meet the public need for wireless services.

The Facility proposed in this Application is an integral component of AT&T's network in its FCC licensed areas throughout the State. Currently, gaps in coverage exist in the area of

central Redding along State Routes 53, 107 and Lonetown Road and surrounding areas in the Town of Redding which includes public schools, the police department, the local recreation center and other places of public assembly. The proposed Facility will serve residents, travelers and visitors to these areas and connect with existing AT&T sites in the area to fill in the network with new coverage. Attachment 1 of this Application includes a Statement of Radio Frequency (“RF”) Need and propagation plots which identify and demonstrate the specific need for a Facility in this area of Redding.

**B. Statement of Benefits**

Carriers have seen the public’s demand for traditional cellular telephone services in a mobile setting develop into the requirement for anytime-anywhere wireless connectivity with the ability to send and receive voice, text, image and video. Wireless devices have become integral to the telecommunications needs of the public and their benefits are no longer considered a luxury. People today are using their wireless devices more and more as their primary form of communication for both personal and business needs. Modern devices allow for calls to be made, the internet to be reached and other services to be provided irrespective of whether a user is mobile or stationary and provided network service is available. The Facility as proposed by AT&T would allow it and other carriers to provide these benefits to the public.

Moreover, AT&T will provide Enhanced 911 services from the site as required by the Wireless Communications and Public Safety Act of 1999 (the “911 Act”). The purpose of this Federal legislation was to promote public safety through the deployment of a seamless, nationwide emergency communications infrastructure that includes wireless communications services. In enacting the 911 Act, Congress recognized that networks that provide for the rapid, efficient deployment of emergency services would enable faster delivery of emergency care with

reduced fatalities and severity of injuries. With each year since passage of the 911 Act, additional anecdotal evidence supports the public safety value of improved wireless communications in aiding lost, ill or injured individuals such as motorists and participants in sporting events along with supporting public safety. Carriers are simply able to help 911 public safety dispatchers identify wireless caller's geographical locations within several hundred feet, a significant benefit to the community associated with any new wireless site.

In this area of the Town of Redding, there are numerous schools, places of public assembly, residences and other gathering places that would directly benefit from improved and reliable wireless services from the proposed facility.

### **C. Technological Alternatives**

The FCC licenses granted to AT&T authorize it to provide wireless services in this area of the State through deployment of a network of wireless transmitting sites. The proposed Facility is a necessary component of AT&T's wireless network. Repeaters, microcell transmitters, distributed antenna systems and other types of transmitting technologies are not a practicable or feasible means to providing service within the target area for this site which contains significant coverage gaps, difficult terrain and a low overall population density. As such, these types of technologies were not considered by AT&T as an alternative to the proposed Facility. The Applicant submits that there are no equally effective, feasible technological alternatives to construction of a new tower Facility for providing reliable personal wireless services in this area of Connecticut.

## **IV. Site Selection and Tower Sharing**

### **A. Site Selection**

AT&T investigation of the area has been guided by benchmark data on gaps in its wireless coverage in central Redding. AT&T has maintained a "site search area" in central

Redding for the better part of a decade. This "site search area" is the general geographical location where the installation of a wireless facility would address an identified coverage problem while still allowing for orderly integration of a site into AT&T's network, based on the engineering criteria of hand-off, frequency reuse and interference and physical terrain in the area.

In any site search area, AT&T seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of a needed facility, while at the same time ensuring the quality of service provided by the site to users of its network. There are two existing communications towers in this area of Redding along Lonetown Road. The first is a single carrier facility which is a converted windmill located on a residential parcel of property at 80 Lonetown Road and which the property owners have rejected further use of by AT&T and other carriers. The second is a light duty tower at the Town's Police Department which is visually in close proximity to the Town Green and Redding Center National Historic District and as such was rejected by the Town as an alternative for replacement by AT&T. Other tower sites not in use by AT&T and documented as part of its site search in this matter are well outside of the site search area and would not provide coverage to the area intended in this Application.

As part of its determination that existing structures were not tall enough or could not be used to provide needed coverage in this area of Redding, AT&T continued its dialogue with Town of Redding officials on the previously proposed Voicestream tower at the Town Garage. The proposed site, located at 28 Great Oak Lane, consists of an approximately 6.5 acre parcel of property owned by the Town of Redding with access provided from Great Oak Lane. The property is used by the Town's Highway Department for truck maintenance, storage, offices and other ancillary uses including storage of materials used for roadway repair and winter roadway safety. Based on the underlying land use and subsequent confirmation of the low visual impact

of a tower facility from the proposed location, AT&T entered into a lease agreement with the Town of Redding.

### **B. Tower Sharing**

To maximize co-location opportunities and minimize the potential for towers needed by other carriers, AT&T proposes a 180' stealth monopole tower and facility compound that can accommodate antennas and ground equipment for additional carriers. Of note, AT&T does not require a 180' tower height to meet its own coverage requirements in this area of Redding.

### **V. Facility Design**

AT&T has leased a 2,409 square foot area on an approximately 6.5 acre parcel of property owned by the Town of Redding. The proposed Facility would consist of a 180' high self-supporting stealth monopole within a 33' x 73' fenced equipment compound behind on-site existing buildings. AT&T would install at least six (6) panel antennas within the monopole at center line heights of 177' and 167' AGL to start and unmanned equipment within the compound. The compound would be enclosed by an 8' chain link fence.

Both the monopole and the equipment compound are designed to accommodate antenna locations for several other wireless carriers. Vehicle access to the compound would extend northerly from Great Oak Lane over the existing access drive. Utilities to serve the proposed facility would be upgraded and extended from an on-site above ground pole line that already serves the Highway Department. Attachment 3 contains the specifications for the proposed Facility including an abutters map, site access maps, a compound plan, tower elevation, and other relevant details of the proposed Facility. Also included as Attachment 4 is a Visual Resource Evaluation Report. Some of the relevant information included in Attachments 3 and 4 and from Town records reveals that:

- The property is identified on the Town's Land Use Plan as the Town Garage;
- Minimal grading or clearing of the proposed compound area behind an existing Town Highway Department building would be necessary;
- The proposed Facility will have no impact on water flow, water quality, or air quality;
- Existing buildings, terrain and trees in the area help to screen visibility of the tower facility from nearby locations;
- Year-round visibility of the proposed tower is very limited despite the tower height;

## **VI. Environmental Compatibility**

Pursuant to CGS Section 16-50p, the Council is required to find and to determine as part of the Application process any probable environmental impact of the facility on the natural environment, ecological balance, public health and safety, scenic, historic and recreational values, forest and parks, air and water purity and fish and wildlife. As demonstrated in this Application and the accompanying Attachments and documentation, the proposed Facility will not have significant adverse environmental effects. The effects if any are largely visual and the location has been sensibly designed and selected to minimize views from important sites or receptors in this area of Redding including the Redding Center National Historic District.

### **A. Visual Assessment**

The visual impact of the proposed Facility is not significant. Included in Attachment 4 is a Visual Resource Evaluation Report which contains a viewshed map and photosimulations of off-site views. As shown in the report and photosimulations, areas of visibility are expected primarily on and/or within the immediate vicinity of the proposed Facility. Weather permitting, AT&T will raise a balloon with a diameter of at least three (3) feet at the proposed Site on the

day of the Council's first hearing session on this Application, or at a time otherwise specified by the Council.

**B. Solicitation of State and Federal Agency Comments**

Various consultations with municipal, State and Federal governmental entities and AT&T consultant reviews for potential environmental impacts are summarized and included in Attachments 5 through 8. AT&T submitted requests for review from Federal, State and Tribal entities including the United States Fish & Wildlife Service ("USFW") and the Connecticut State Historic Preservation Officer ("SHPO").

SHPO issued a letter dated June 7, 2010 indicating that a facility in this location would have no effect on historical, archaeological or architectural resources so long as the tower is stealthed as depicted in this application and if the Tower is not in use for six (6) consecutive months the antenna and equipment shall be removed within 90 days of the end of such six-month period. No endangered or threatened species habitat was identified based on a review of the Connecticut DEP Natural Diversity Database. Please see Natural Diversity Database Map included in Attachment 6. As required, this Application is being served on state and local agencies which may choose to comment on the Application prior to the close of the Siting Council's public hearing.

**C. Power Density Analysis**

In August 1996, the FCC adopted a standard for exposure to Radio Frequency ("RF") emissions from telecommunications facilities like those proposed in this Application. To ensure compliance with applicable standards, a maximum power density report was produced by AT&T's radio frequency consultant C-Squared Systems and is included herein as part of

Attachment 5. As demonstrated in this report, the calculated worst-case emissions from the site are only 4.36% of the MPE standard.

#### **D. Other Environmental Factors**

The proposed Facility would be unmanned, requiring only monthly maintenance visits approximately one hour long. AT&T's equipment at the Facility would be monitored 24 hours a day, seven days a week from a remote location. The proposed Facility does not require a water supply or wastewater utilities. No outdoor storage or solid waste receptacles will be needed. Further, the proposed Facility will not generally create or emit any smoke, gas, dust or other air contaminants, noise, odors or vibrations other than installed heating and ventilation equipment. Temporary power outages could require the limited use of emergency generators on site and provisions have been made for a permanent on-site generator. Overall, the construction and operation of AT&T's proposed Facility will have no significant impact on the air, water, or noise quality of the area.

AT&T utilized the FCC's TOWAIR program to determine if the Site would require registration with the Federal Aviation Administration ("FAA"). The TOWAIR program results for the proposed facility, a copy of which is included in Attachment 5, indicate that registration with the FAA is not required for the proposed Facility let alone FAA review as a potential air navigation obstruction or hazard. As such, FAA lighting or marking would not be required for the tower proposed in this Application.

AT&T has evaluated the Site in accordance with the FCC's regulations implementing the National Environmental Policy Act of 1969 ("NEPA"). The Site was not identified as a wilderness area, wildlife preserve, National Park, National Forest, National Parkway, Scenic River, State Forest, State Designated Scenic River or State Gameland. Further, according to the



site survey and field investigations, no federally regulated wetlands or watercourses or threatened or endangered species will be impacted by the proposed Facility. Federal Emergency Management Agency (“FEMA”) Flood Insurance Rate Maps of the proposed site indicate that the Site is not located within a 100 year or 500 year floodplain.

**VII. Consistency with the Town of Redding’s Land Use Regulations**

Pursuant to the Council’s Application Guide, included in this section is a summary of the consistency of the project with the local municipality’s zoning and wetland regulations and plan of conservation and development. A description of the zoning classification of the Site and the planned and existing uses of the proposed site location are also detailed in this Section.

**A. Redding’s Plan of Conservation and Development**

The Town of Redding Plan of Conservation & Development (“Plan”), effective December 29, 2008 is included in Section 2 of the Bulk Filing. No detailed treatment of wireless telecommunications services is provided. Under the “Utility Services” section, monitoring of legislative activities regarding commercial utility systems and support of efforts ensuring protection of residents and the natural environment is noted.

**B. Redding’s Zoning Regulations and Zoning Classification**

The Site is classified in the Town of Redding’s R-2 Rural Residential Zoning District.

**C. Local Zoning Standards and Dimensional Requirements**

<b>Section from the Zoning Regulations</b>	<b>Standard or Preference</b>	<b>Proposed Facility</b>
4.2.3(u)	Identifies Wireless Telecommunications Facilities as Permitted Special Uses subject to the criteria under Section 5.19	
5.19.4	Site selection; identifies different classes of properties. Municipal property locations are identified as	As the proposed Facility is located on the Town’s property, the facility would be determined to be a Class 4 location

	“Class 4”	
5.19.5	Class 4 sites require a minimum lot area of 1 acre	The host parcel is over 6 acres in area.
5.19.5	No WTF within 500’ of a residence	The closest residence to the tower is 475’ to the west and is owned by Andrea L and Ronald E. Brundage with significant tree cover in between.
5.19.5	Not within 100’ of a regulated wetland	The closest wetland flag is approximately 67’ distant from the compound.
5.19.5	Not within 200’ of the outer riparian zone of any perennial stream, watercourse, or vernal pool	The nearest wetland as noted above is a watercourse.
5.19.5	Not within 500’ of a Historic District or property listed on the State or Federal Register of Historic Places	The site is not within 500’ of a Historic District or property listed on the State or Federal Register of Historic Places.
5.19.5	Not within the habitat of a listed rare or endangered wildlife species or rare plant species.	The site is not within the habitat of a listed rare or endangered wildlife species or rare plant species.
5.19.6	All weather access roadway with parking, screening of parking and on-site structures	All weather access to the site is provided. Existing buildings, topography and existing trees provide significant screening of the Facility from surrounding locations.
5.19.6	No night lighting of tower except for low-level minimum intensity lighting for security walks and fencing etc.	No lighting of the tower is proposed.
5.19.6	Class 4 wireless facilities limited to 150’ but not higher than 50% of the distance from the facility to the nearest lot line.	The height of the proposed tower is 180’ as approved by the Town in the lease because as a stealth monopole with internal antennas, additional height was sought to allow more readily for co-location by other carriers. The nearest lot line is approximately 93’ to the proposed tower, that property being the Redding Elementary School and also owned by the Town of Redding.

**D. Planned and Existing Land Uses**

The proposed Facility will be located on an approximately 6.5 acre parcel used as the Town's Garage and already one of the more intensive uses in the area. Properties immediately surrounding the subject site include low-density single family residential homes, the Redding Community Center and the Redding Elementary School. Consultation with municipal officials did not indicate any planned changes to the existing or surrounding land uses. Copies of the Town of Redding's Zoning Code, Inland Wetlands Regulations, Zoning Map and Plan of Conservation and Development are included in the AT&T's Bulk Filing.

**E. Redding's Inland Wetlands and Watercourses Regulations**

The Town of Redding's Inland Wetlands Regulations ("Local Wetlands Regulations") regulate certain activities conducted in "Wetlands" and "Watercourses" as defined therein. In this case, a review of available information regarding the site through Federal, State and local databases and a field survey indicates that wetlands are located on the property. These wetlands are shown on the drawings in Attachment 5 and are approximately 67' at their nearest point to the compound.

All appropriate sediment and erosion control measures will be designed and employed in accordance with the Connecticut Soil Erosion Control Guidelines, as established by the Council of Soil and Water Conservation. Soil erosion control measures and other best management practices will be established and maintained throughout the construction of the proposed Facility. No adverse impact to wetland and water resources is anticipated, but as noted, erosion control measures and other best management practices will be implemented.

## **VIII. Consultations with Local Officials**

CGS Section 16-50l(e) requires an applicant to consult with the municipality in which a proposed facility may be located and with any adjoining municipality having a boundary of 2,500 feet from the proposed facility concerning the proposed facility. Representatives of AT&T consulted with the Town officials regarding the proposed Facility over several years. This consultation included an approximately year long process of public review by the Board of Selectmen and C.G.S. § 8-24 referrals to the Planning Commission concerning a lease with AT&T for the proposed Facility. Correspondence from the Town's First Selectman confirming these reviews, the Section 16-50l consultation and authorizing filing of this Application is included in Attachment 7.

## **IX. Estimated Cost and Schedule**

### **A. Overall Estimated Cost**

The total estimated cost of construction for the proposed Facility is \$303,000. This estimate includes:

- (1) Tower and foundation costs: \$120,000;
- (2) Site development costs: \$ 48,000;
- (3) Utility installation costs: \$ 42,000; and
- (4) Facility installation: \$ 93,000.

### **B. Overall Scheduling**

Site preparation work would commence immediately following Council approval of a Development and Management ("D&M") Plan and the issuance of a Building Permit by the Town of Redding. The site preparation phase is expected to be completed within three to four weeks. Installation of the monopole, antennas and associated equipment is expected to take an additional two weeks. The duration of the total construction schedule is approximately five to

six weeks. Facility integration and system testing is expected to require an additional two weeks after the construction is completed.

**X. Conclusion**

This Application and the accompanying materials and documentation clearly demonstrate that a public need exists in the subject portion of Town of Redding and surrounding areas for the provision of AT&T's wireless services to the public. The foregoing information and attachments also demonstrate that the proposed Facility will not have any substantial adverse environmental effects. The Applicant respectfully submits that the public need for the proposed Facility outweighs any potential environmental effects resulting from the construction of the proposed Facility at the Site. As such, the Applicant respectfully requests that the Council grant a Certificate of Environmental Compatibility and Public Need to AT&T for the proposed wireless telecommunications facility at 28 Great Oak Lane in the Town of Redding.

Respectfully Submitted,

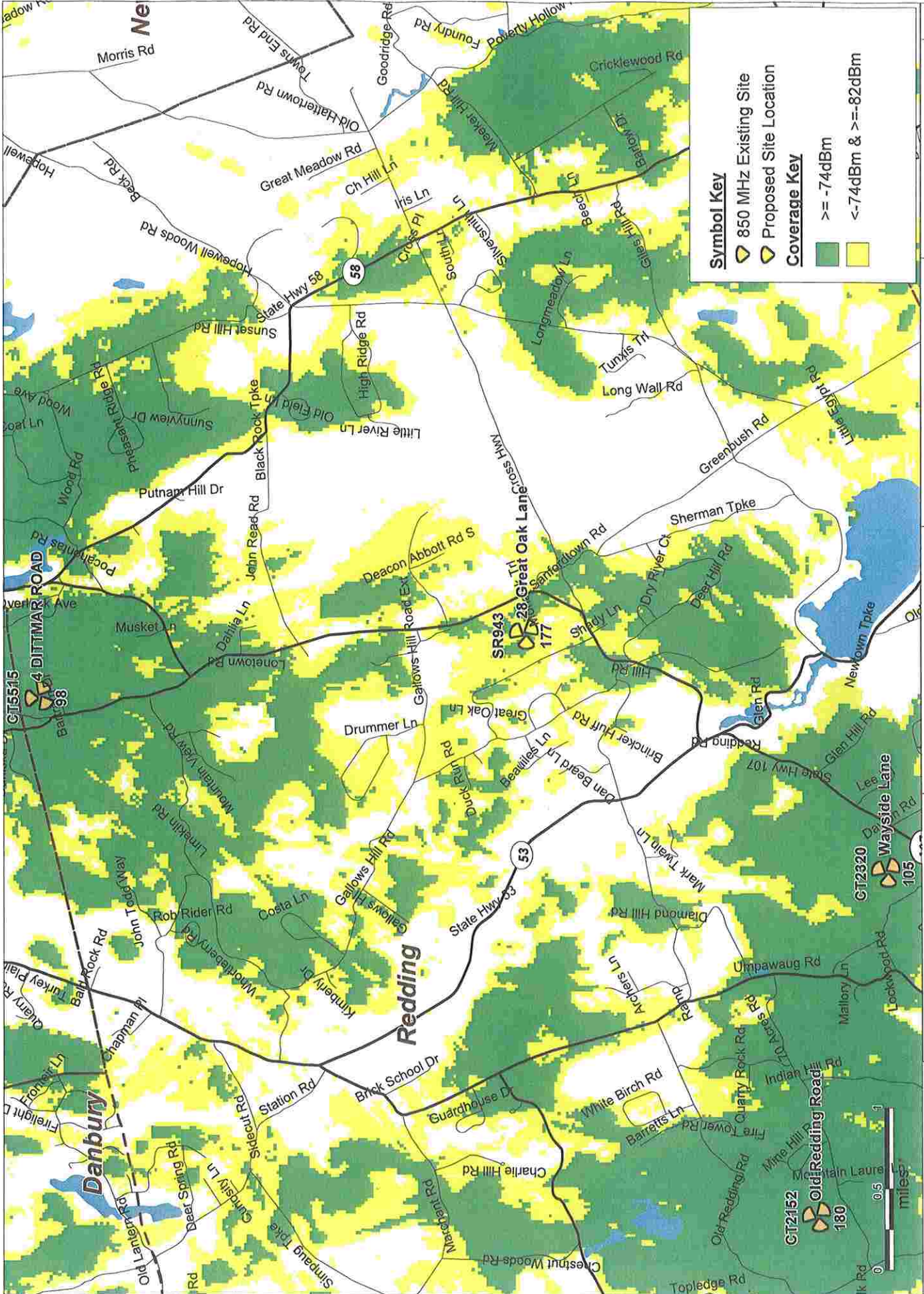
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445 Hamilton Avenue, 14<sup>th</sup> Floor  
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(914) 761-1300  
Attorneys for the Applicant



### Statement of Public Need

The proposed facility will provide wireless communications service to residents, travelers and visitors to Redding along State Routes 53, 107 and Lonetown Road and surrounding areas in the Town of Redding including various public schools and places of public assembly. The facility is needed by AT&T in conjunction with other existing and proposed facilities in the area. Attached are two coverage plots which depict the "Current Coverage" provided by AT&T's existing facilities in this area and "Proposed Coverage" from the proposed site predicted with existing coverage from adjacent sites. Additionally, information concerning surrounding AT&T sites is also included. As clearly demonstrated by these materials, a facility in this area of Redding is required for AT&T to serve the public in this portion of the Town.



**Symbol Key**

- 850 MHz Existing Site
- Proposed Site Location

**Coverage Key**

- >=-74dBm
- <=-82dBm

Existing Coverage	Redding, CT		PREPARED ON	REV
			DATE: 08/11/2010	0

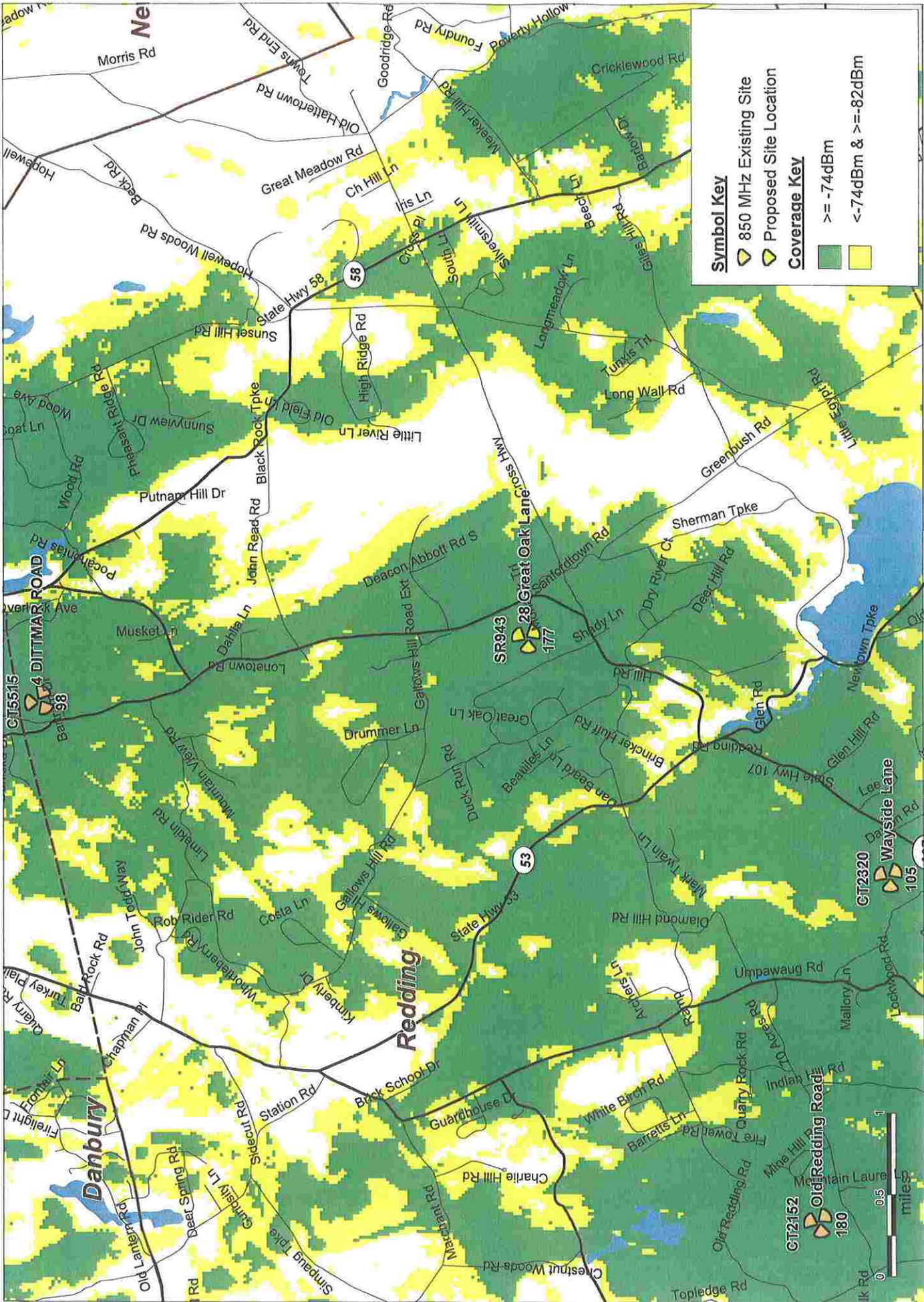
28 Great Oak Lane  
Redding, CT 06896

Redding, CT

Existing Coverage







**Symbol Key**

- 850 MHz Existing Site
- Proposed Site Location

**Coverage Key**

- >= -74dBm
- <-74dBm & >=-82dBm

PREPARED ON  
 DATE: 08/11/2010  
 REV 9



28 Great Oak Lane  
 Redding, CT 06896

**Redding, CT**

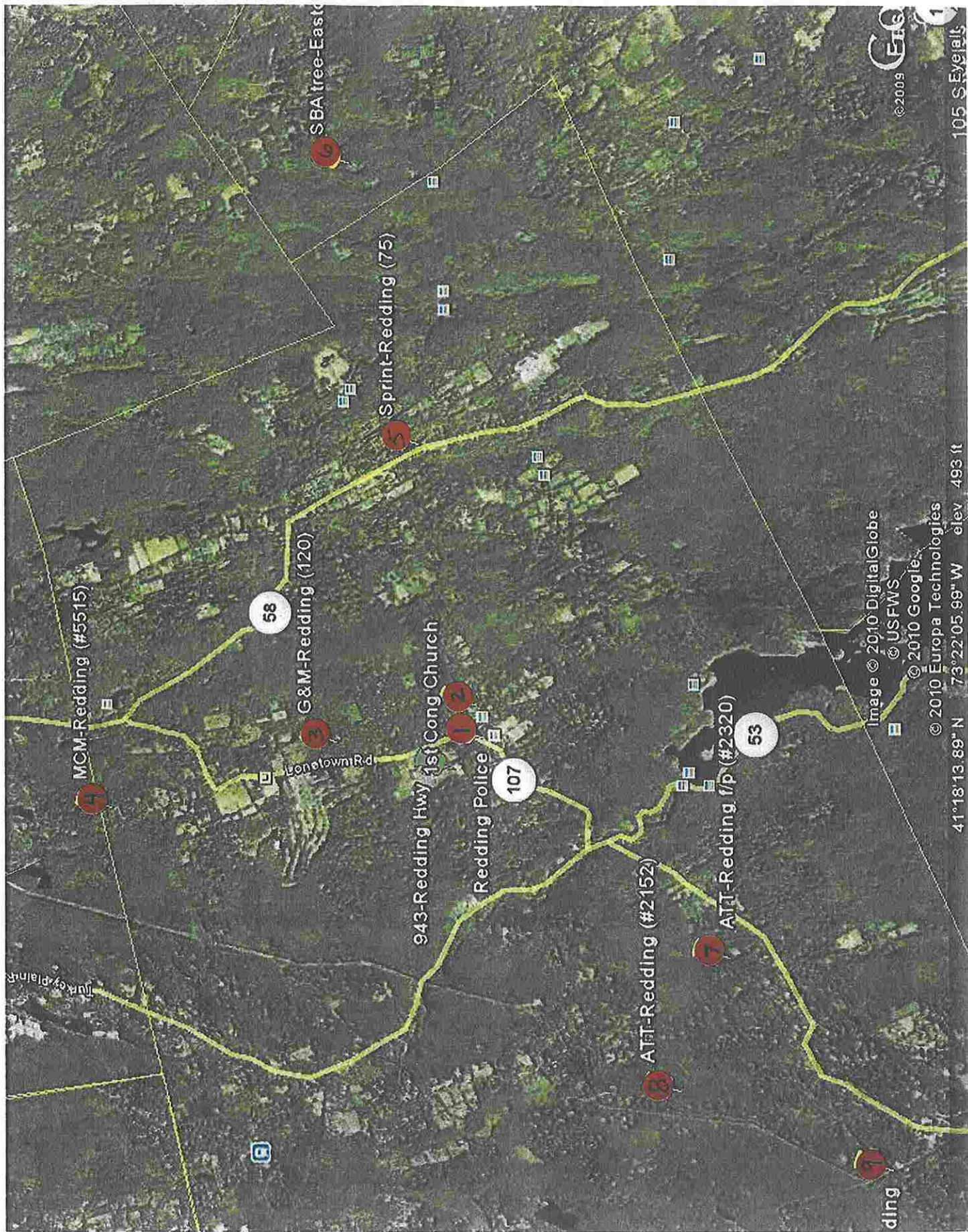
Existing & Proposed Coverage

### EXISTING TOWER/ CELL SITE LISTING

There are 8 communications facilities, along with a church steeple located within approximately four miles of the site search area for the proposed site in Redding. Each location is also shown on the following map, numbered in the order appearing on this list. With the exception of the towers at the Police Station (#1) and Lonetown Road (#3), not one of the below existing facilities would provide adequate coverage to the target area. As explained in the Site Search Summary, both of the facilities above would require rebuilding the existing facilities; and neither landlord is willing to entertain this proposal. Many of the towers listed below are currently being used by AT&T to provide service outside of the area targeted for service by the proposed Redding Facility.

<u>No.</u>	<u>OWNER/OPERATOR</u>	<u>TOWER/CELL SITE LOCATION</u>	<u>HEIGHT</u>	<u>SOURCE</u>	<u>COORDINATES</u>
1.	Redding Police	96 Hill Road, Redding	75'	Visual	Lat 41-18-14 Long 73-22-57
2.	1 <sup>st</sup> Church of Christ	25 Cross Highway, Redding	65' (est)	Visual	Lat 41-18-16.5 Long 73-22-43
3.	Mound (Verizon)	80 Lonetown Road, Redding	120'	P#311/ Visual	Lat 41-19-04.8 Long 73-22-57.3
4.	MCM	4 Dittmar Road, Redding	110'	AT&T Site #5515	Lat 41-20-23.5 Long 73-23-31
5.	Sprint (Redding FD)	186 Black Rock Tpke., Redding	75'*	D#334/ Visual	Lat 41-59-52 Long 72-53-22
6.	SBA	197 North Street, Easton	190'	AT&T Site #5050	Lat 41-18-59 Long 73-18-48.9
7.	AT&T	22 Wayside Lane, Redding	120'	AT&T Site #2320	Lat 41-16-56 Long 73-24-26.8
8.	AT&T	Old Redding Road, Redding	180'	AT&T Site #2152	Lat 41-17-11.5 Long 73-25-22
9.	T-Mobile (CL&P pm)	Peaceable Lane, Redding	85'	P#456	Lat 41-16-07 Long 73-25-49.5

\*This is an existing 75' tower that was approved for a rebuild to 121.5' (monopole) in the fall of 2007. However, upon visual inspection, the rebuild was never completed.



MCM-Redding (#5515)

G&M-Redding (120)

943-Redding Hwy 1st Cong Church

Redding Police

ATT-Redding (#2152)

ATT-Redding f/p (#2320)

SBA tree-East

Sprint-Redding (75)

58

107

53

Image © 2010 DigitalGlobe  
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41°18'13.89" N 73°22'05.99" W elev 493 ft

©2009

105 S Eyealt



## Site Search Summary

To initiate its site selection process in an area where a coverage need has been identified, AT&T first establishes a "site search area". The site search area is a general geographical location where the installation of a wireless facility would address the identified coverage need and/or capacity problem, while still allowing for orderly integration of the site into AT&T's network based on the radiofrequency engineering criteria of hand-off, frequency reuse and interference. In any site search area, AT&T seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of a needed facility, while at the same time ensuring the quality of service provided by the site to users of its network.

In this particular area of Redding, there are two existing tower sites that AT&T fully investigated. These include the Town of Redding owned tower at its police station and a Verizon site that is located on what was previously a windmill at 80 Lonetown Road. The owners of the property where Verizon is located have rejected numerous efforts over several years to replace and expand this former windmill site. Additionally, the Town of Redding rejected replacement of its Police Department tower due to its proximity to the Town Green and what would be a much more prominent tower visually in the community and to the Redding Center National Historic District.

Additional properties were analyzed and found to be technically inadequate or inappropriate for new tower siting. Essentially, the AT&T site search area is located in "Redding Center" and includes the Town Green and many properties within the National Historic District. Properties such as the Town Hall, Fire Department and Police Department were all rejected given their proximity thereto. Additionally, the Town's Senior Center and an Elementary School along with single family residential properties were rejected based on discussions with Town officials. As such, the AT&T search focused on the Town Garage property which had previously been approved by the Town for construction of a 150' stealth monopole facility and which is not within the Redding Center Historic District.

The description of sites actively investigated by AT&T are set forth below. Where applicable, the reason for eliminating the property is also included. Following these descriptions is a map indicating the location of these investigated sites.

1. Address: Highway garage - 28 Great Oak Lane  
Owner: Town of Redding  
Map/Lot: 21/106  
Deed: 65/343  
Zoning District: R-2  
Lot Size: Approximately 6.5 Acres

*This property is the candidate site.*

2. Address: Redding Police Station – 96 Hill Road

Map/Lot: 22/94

Deed(s): 86/864

Owner: Town of Redding

Zoning District: R-2

Lot Size: Approximately 0.71 Acres

*This is an existing communications tower that would need to be rebuilt to accommodate AT&T's coverage objectives. Town Planning Commission members indicated that this site would have a greater visual impact than the proposed facility and did not support its expansion.*

3. Address: 80 Lonetown Road

Map/Lot: 14/21

Deed: 229/721

Owner: Mound

Zoning District: R-2

Lot Size: Approximately 22.56 Acres

*This is an existing 120' self-supporting tower previously used as a windmill and on which Verizon Wireless is operating (Petition #311). However, the owners are not interested in allowing additional carriers on the tower or a replacement structure. A visual inspection reveals that the tower would likely need to be replaced for structural purposes, as this was a converted windmill located in close proximity to the on-site residence.*

4. Address: Redding Fire Dept. – 186 Black Rock Turnpike

Map/Lot: 23/72

Deed: 40/203

Owner: Town of Redding

Zoning District: R-2

Lot Size: Approximately 0.84 Acres

*This is an existing 75' self-supporting tower on which both the Town FD, as well as Sprint Nextel are operating. In October 2007 (Docket #334), Sprint was granted permission to rebuild the tower (a 120' monopole). However, this was never completed. Additionally, collocation on this tower, even if rebuilt, was rejected by RF given its distance from Redding Center and State Route 53.*

5. Address: 1<sup>st</sup> Church of Christ Congregational - 25 Cross Highway

Map/Lot: 22/57

Owner: 1<sup>st</sup> Church of Christ

Zoning District: R-2

Lot Size: Approximately 3.06 Acres

*Placement of antennas in the steeple (estimated at 65') was rejected by RF.*

6. Address: 183 Black Rock Turnpike

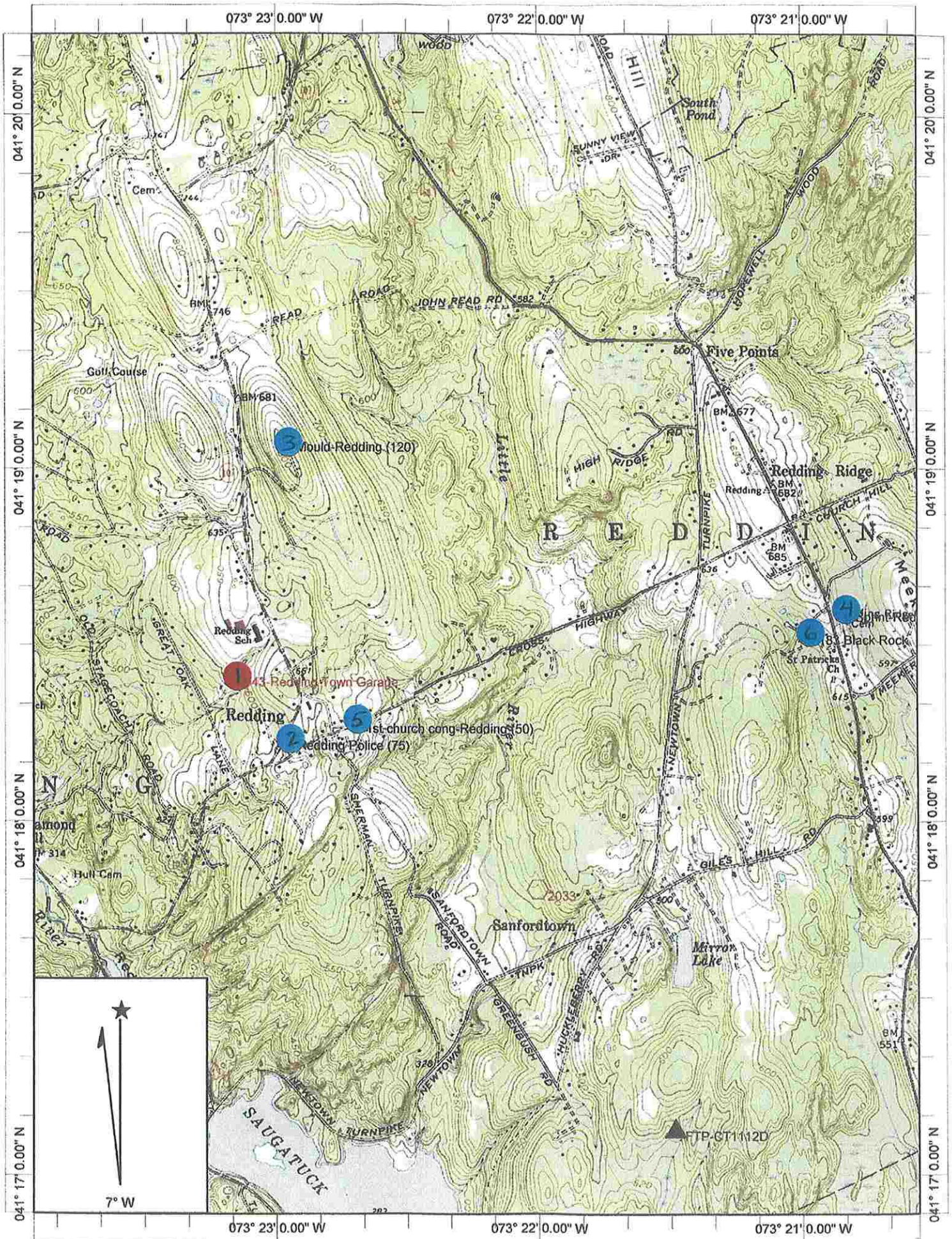
Map/Lot: 23/171

Owner: Hunt

Zoning District: R-2

Lot Size: Approximately 2.98 Acres

*Unsolicited call from an interested landowner. This site was rejected by RF.*







## General Facility Description

28 Great Oak Lane, Redding, Connecticut  
Owner: Town of Redding  
6.5 Acre Parcel

The proposed facility consists of a 33' by 73' lease area located in the central-north portion of a 6.5 acre parcel owned by Town of Redding at 28 Great Oak Lane, in Redding and used as the Town Garage. A new self-supporting stealth monopole tower 180' in height would be constructed adjacent to one of the existing on-site maintenance buildings. AT&T will install panel antennas at least at the 177' and 167' centerline heights on the tower (additional antenna space may be required for AT&T's LTE specifications) together with an associated 12' by 20' radio equipment shelter at the tower base on a concrete pad within the tower compound. . The tower compound would consist of a 33' by 73' area to accommodate AT&T's equipment and provide for future shared use of the facility by other carriers. A chain-link fence would enclose the tower compound. Vehicle access to the facility would be provided by the existing driveway. Electric and telephone utilities would be extended from an existing utility pole line on the property directly to the proposed facility. Provisions have also been included for a backup power generator on-site which would be a fully contained unit with diesel fuel as an energy source.

## Site Evaluation Report

### I. LOCATION

- A. COORDINATES: 41° 18' 24.5" N 73° 23' 10.7" W
- B. GROUND ELEVATION: 588' AMSL
- C. USGS MAP: Bethel Quadrangle
- D. SITE ADDRESS: 28 Great Oak Lane, Redding, Connecticut 06896
- E. ZONING WITHIN 1/4 MILE OF SITE: Residential / Municipal

### II. DESCRIPTION

- A. SITE SIZE: 33' by 73' lease area, 33' by 73' compound
- B. LESSOR'S PARCEL: 6.5 acres
- C. TOWER TYPE/HEIGHT: Stealth Monopole / 180' AGL.
- D. SITE TOPOGRAPHY AND SURFACE: The proposed site is located towards the central-north portion of the parcel in a paved area adjacent to one of the existing buildings on-site and currently used for outdoor storage.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The surrounding terrain ranges in elevation from 205' AMSL to over 810' AMSL. A review of available information regarding the site through Federal, State and local databases indicates the site is not located within a wetlands mapped on the National Wetland's Inventory and not within a 100-year or 500-year flood zone. Wetlands soils were noted on the parcel but will not be adversely impacted by the proposed facility.
- F. LAND USE WITHIN 1/4 MILE OF SITE: Land uses within ¼ mile of the site are municipal garage, public school, community center, Redding Town Hall, police and fire departments, single-family residences and historic properties.

### III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power
- B. POWER PROXIMITY TO SITE: Facilities available from on site utility pole.
- C. TELEPHONE COMPANY: AT&T
- D. PHONE SERVICE PROXIMITY: Same as power.
- E. VEHICLE ACCESS TO SITE: Access to the facility would be provided over existing asphalt driveways.
- F. OBSTRUCTIONS: None
- G. CLEARING AND FILL REQUIRED: The compound will require some modest clearing of existing asphalt. No filling will be required. Detailed plans would be included in a Development and Management Plan ("D&M" plan) after any approval of the facility which may be issued by the Connecticut Siting Council.

### IV. LEGAL

- A. PURCHASE  LEASE
- B. OWNER: Town of Redding
- C. ADDRESS: 28 Great Oak Lane, Redding, Connecticut

## Facilities and Equipment Specification

### I. TOWER SPECIFICATIONS:

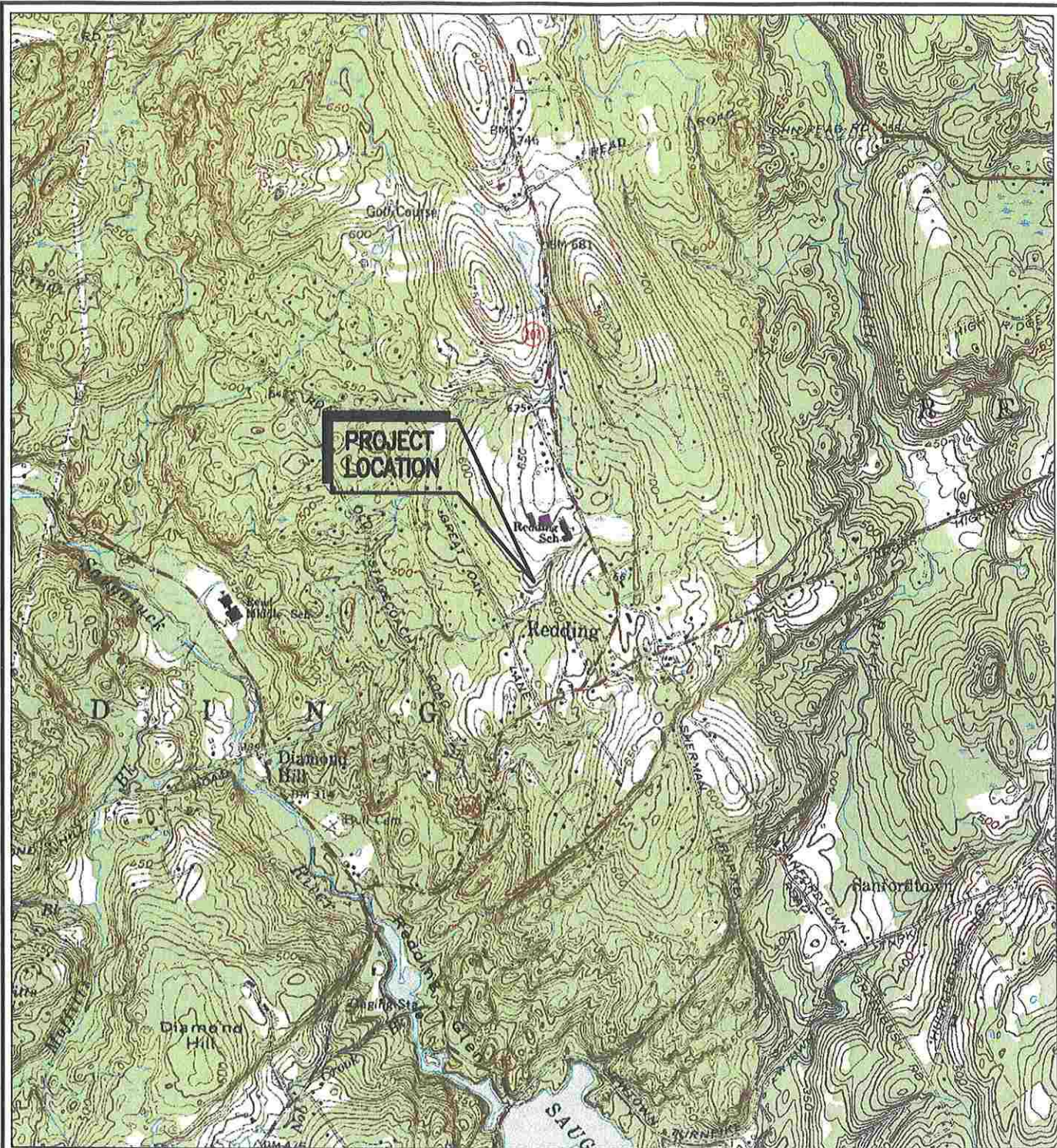
- A. MANUFACTURER: To be determined
- B. TYPE: Self-Supporting stealth monopole
- C. HEIGHT: 180'  
DIMENSIONS: Approximately 5' in diameter at the base, tapering to at least 3' at the top, and possibly greater diameter based on co-location requirements.
- D. LIGHTING: None as set forth in attached FAA report

### II. TOWER LOADING:

- A. AT&T – at least 6 panel antennas
  - a. Model – Powerwave P90-14-X41-RR or equivalent panel antenna
  - b. Antenna Dimensions – 48”H x 12”W x 6”D
  - c. Position on Tower – 177' and 167' centerline mounted within the stealth pole
  - d. Transmission Lines – MFG/Model: Commscope Aluminum Size 1-5/8"
- B. Future Carriers – To be determined

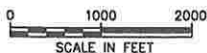
### III. ENGINEERING ANALYSIS AND CERTIFICATION:

The tower will be designed in accordance with American National Standards Institute TIA/EIA-222-F “Structural Standards for Steel Antenna Towers and Antenna Support Structures” and the 2003 International Building Code with 2005 Connecticut Amendment. The foundation design would be based on soil conditions at the site. The details of the tower and foundation design will be provided as part of the final D&M plan.



1 1984 USGS TOPO MAP: BETHEL 041073-C4

SCALE: 1" = 2000'



SCALE IN FEET

TRUE NORTH



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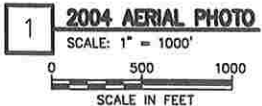
SR943  
 REDDING HIGHWAY DEPT.  
 28 GREAT OAK LANE  
 REDDING, CT 06896  
 FAIRFIELD COUNTY

CHA PROJ. NO. - 18301-1048-1101

SHEET TITLE:  
 USGS TOPO MAP

DATE:  
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REVISION:  
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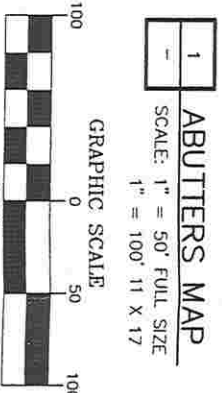
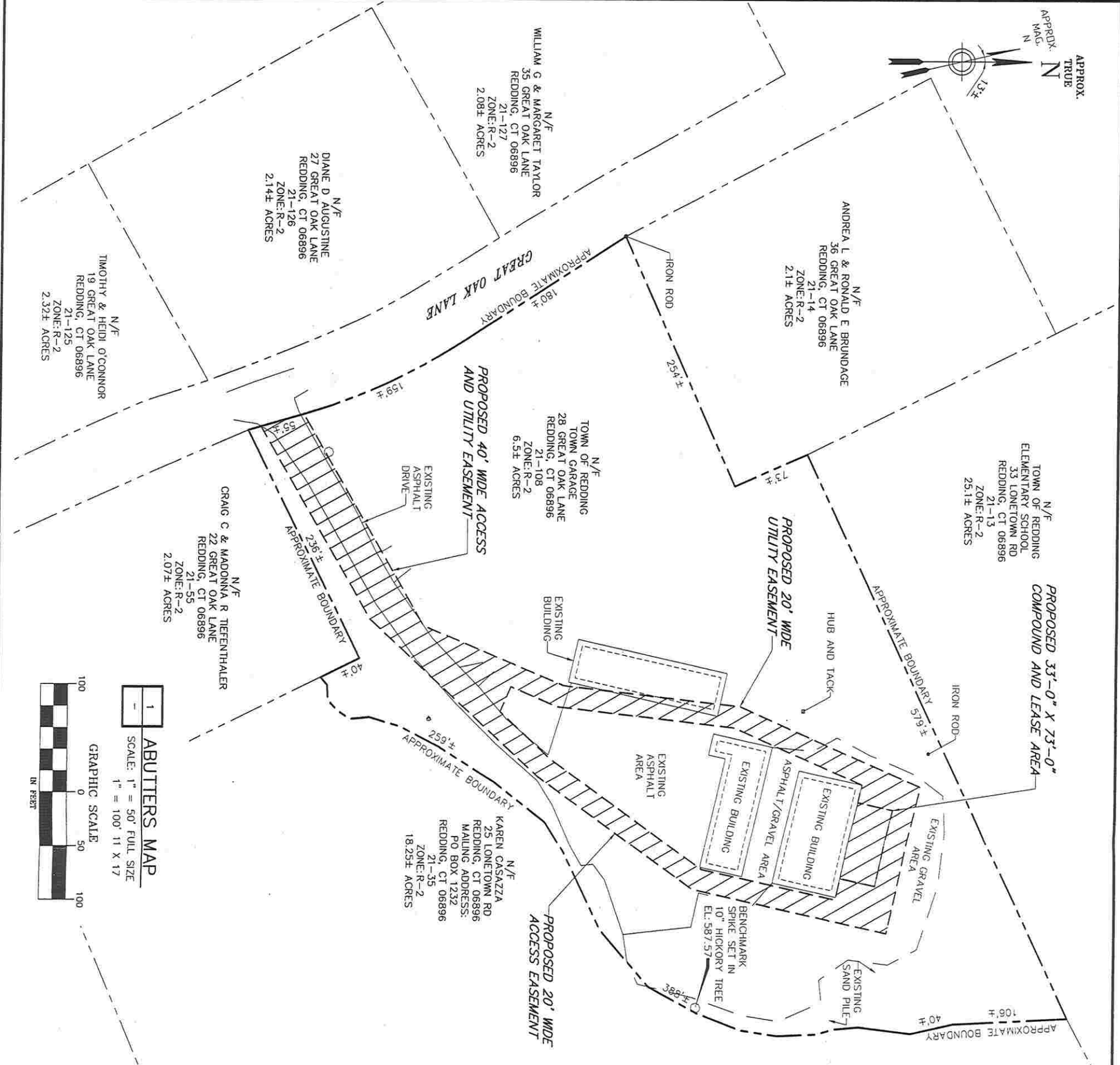
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CHA PROJ. NO. - 18301-1046-1101

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**SURVEY NOTES:**

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1996. THE BOUNDARY LINES SHOWN ON THIS PLAN WERE COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSIDERED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
2. TYPE OF SURVEY: COMPILATION PLAN
3. BOUNDARY DETERMINATION CATEGORY: NONE
4. CLASS OF ACCURACY: HORIZONTAL CLASS A-2  
VERTICAL CLASS V-2  
TOPOGRAPHIC CLASS T-2
5. PROPERTY LINE SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND TAX MAPS AS OVERLAD ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY SURVEY WAS NOT PERFORMED BY CHA AND AS A RESULT THE PROPERTY LINES SHOWN ARE APPROXIMATE AND DO NOT PRESENT A PROPERTY/BOUNDARY OPINION.
6. BASE MAPPING PREPARED BY CHA FROM AN FEBRUARY 2010 FIELD SURVEY.
7. NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.
8. UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY. THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN, SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.
9. SUBJECT TO ANY STATEMENT OF FACTS THAT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.
10. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
11. LATITUDE/LONGITUDE/ELEVATIONS WERE OBTAINED BY GPS OBSERVATIONS. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD83. TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION. INFORMATION SHOWN BASED ON FAA 2C CERTIFICATION ACCURACY LEVEL DEFINED AS:  
HORIZONTAL: ±50 FEET / 15 METERS  
VERTICAL: ±20 FEET / 6 METERS
12. SITE FALLS WITHIN ZONE "C" DEFINED AS AREAS OF MINIMAL FLOODING AS SHOWN ON FLOOD INSURANCE RATE MAP TOWN OF REDDING, CONNECTICUT, FAIRFIELD COUNTY, PANEL 5 OF 9, COMMUNITY PANEL NUMBER 090141 0005 B, EFFECTIVE DATE JUNE 15, 1982.

**MAP REFERENCES:**

1. MAP ENTITLED "MAP OF PROPERTY OF TOWN OF REDDING" DATED AUGUST 1945 AND FILED IN THE REDDING TOWN CLERKS OFFICE AS MAP NUMBER 338.
2. MAP ENTITLED "AS-BUILT PLAN OF PROPERTY PREPARED FOR THE TOWN OF REDDING CONNECTICUT" PREPARED BY LEONARD SURVEYORS, DATED MARCH 15, 1974 AND FILED IN THE REDDING TOWN CLERKS OFFICE AS MAP NUMBER 1575.
3. MAP ENTITLED "MAP PREPARED FOR TOWN OF REDDING" PREPARED BY JOHN W. FULLER, DATED JANUARY 7, 1987 AND FILED IN THE REDDING TOWN CLERKS OFFICE AS MAP NUMBER 3390.
4. MAP ENTITLED "GRADING PLAN - REDDING PUBLIC WORKS GARAGE SITE" PREPARED BY MILONE & MACBROOM, INC., DATED SEPTEMBER 1990 AND FILED IN THE REDDING TOWN CLERKS OFFICE AS MAP NUMBER 3580.
5. MAP ENTITLED "COMPILATION PLAN TO COMBINE TAX LOTS 39-48-14 AND 39-48-15A PREPARED FOR KAREN CASAZZA" PREPARED BY KRISTOFFERSON LAND SURVEYING, LLC, DATED SEPTEMBER 6, 2005 AND FILED IN THE REDDING TOWN CLERKS OFFICE AS MAP NUMBER 4210.
6. MAP ENTITLED "PREPARED FOR LEONARD J. PALCESKI" DATED APRIL 20, 1962 AND FILED IN THE REDDING TOWN CLERKS OFFICE AS MAP NUMBER 907.

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Mark (860) 257-6677 - www.chiasurveying.com

NO.	SUBMITTAL	DATE	ISSUED FOR	CSC CERTIFICATE
0	BY: JDM	02/26/10	CHK: PAL	APP'D: JMS

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SITE ID:  
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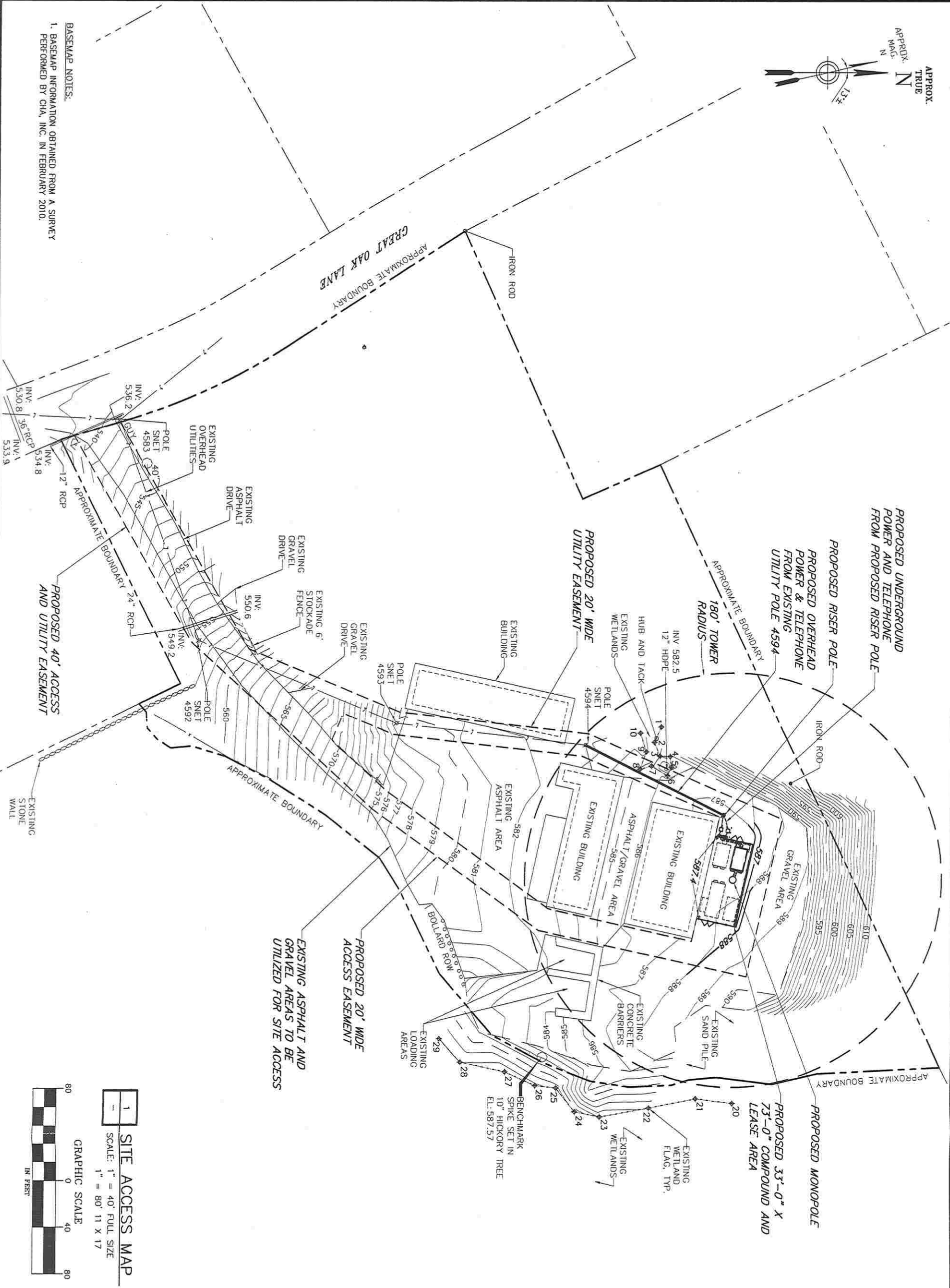
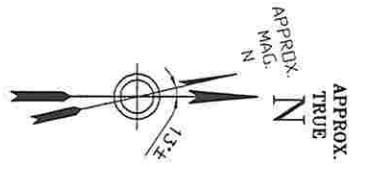
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28 GREAT OAK LANE  
REDDING, CT  
06896

FAIRFIELD COUNTY

SHEET TITLE:  
ABUTTERS  
MAP

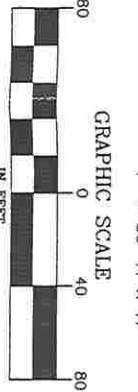
SHEET NUMBER:  
C01





**BASEMAP NOTES:**  
 1. BASEMAP INFORMATION OBTAINED FROM A SURVEY PERFORMED BY CHA, INC. IN FEBRUARY 2010.

**1 SITE ACCESS MAP**  
 SCALE: 1" = 40' FULL SIZE  
 1" = 80' 11 X 17



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0	BR. JDM	CHK: PAL APPR: JPS

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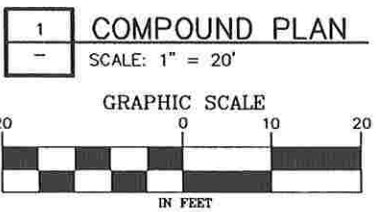
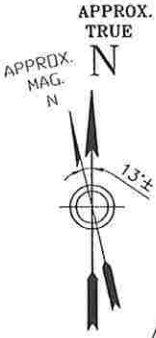
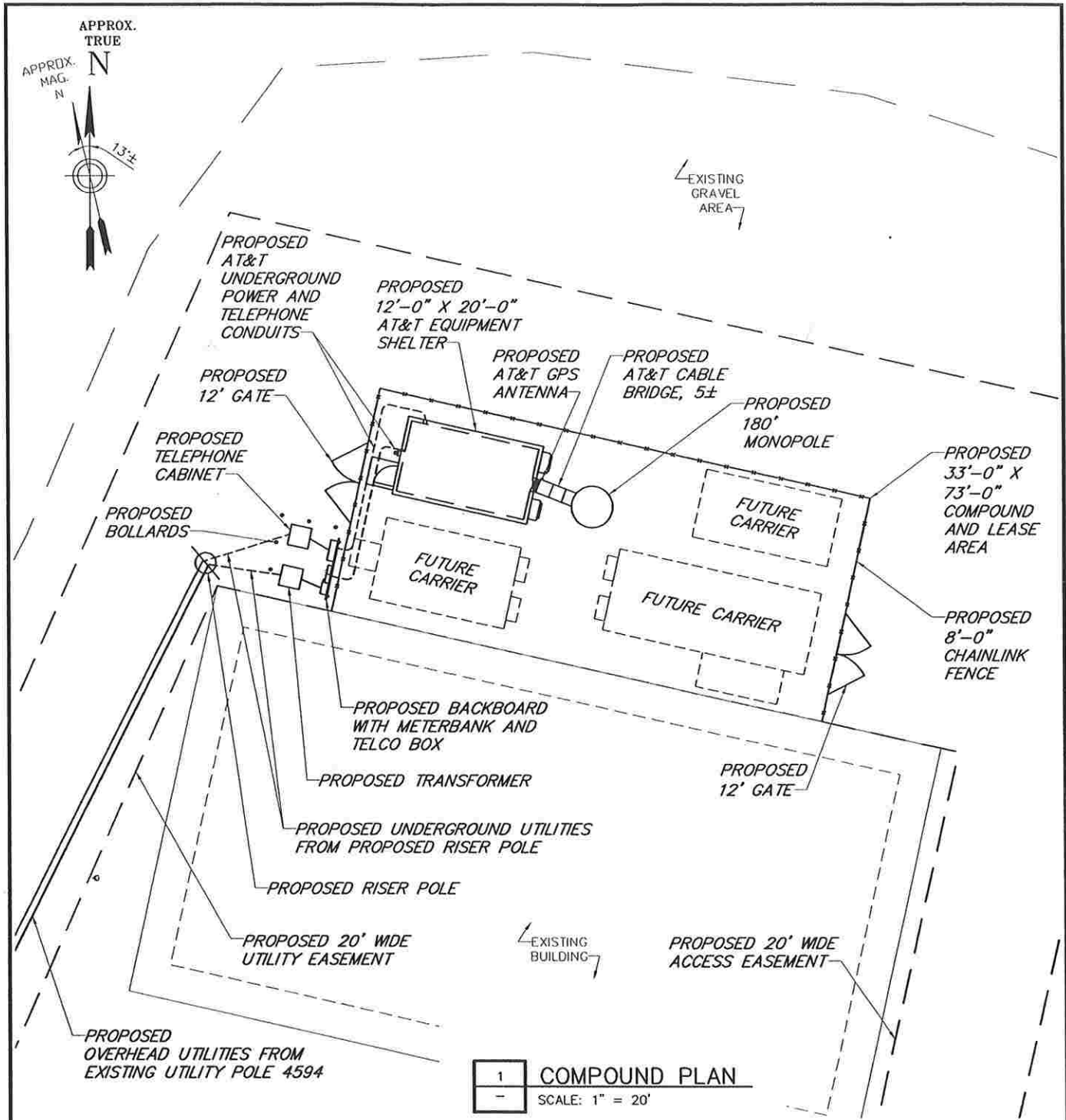
SITE NAME:  
**REDDING HIGHWAY DEPT.**

SITE ADDRESS:  
**28 GREAT OAK LANE  
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SHEET TITLE  
**SITE ACCESS MAP**

SHEET NUMBER  
**C02**



**BASEMAP NOTES:**  
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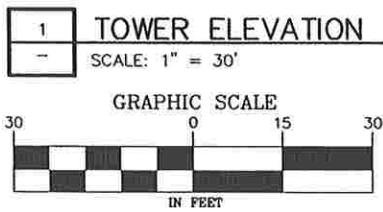
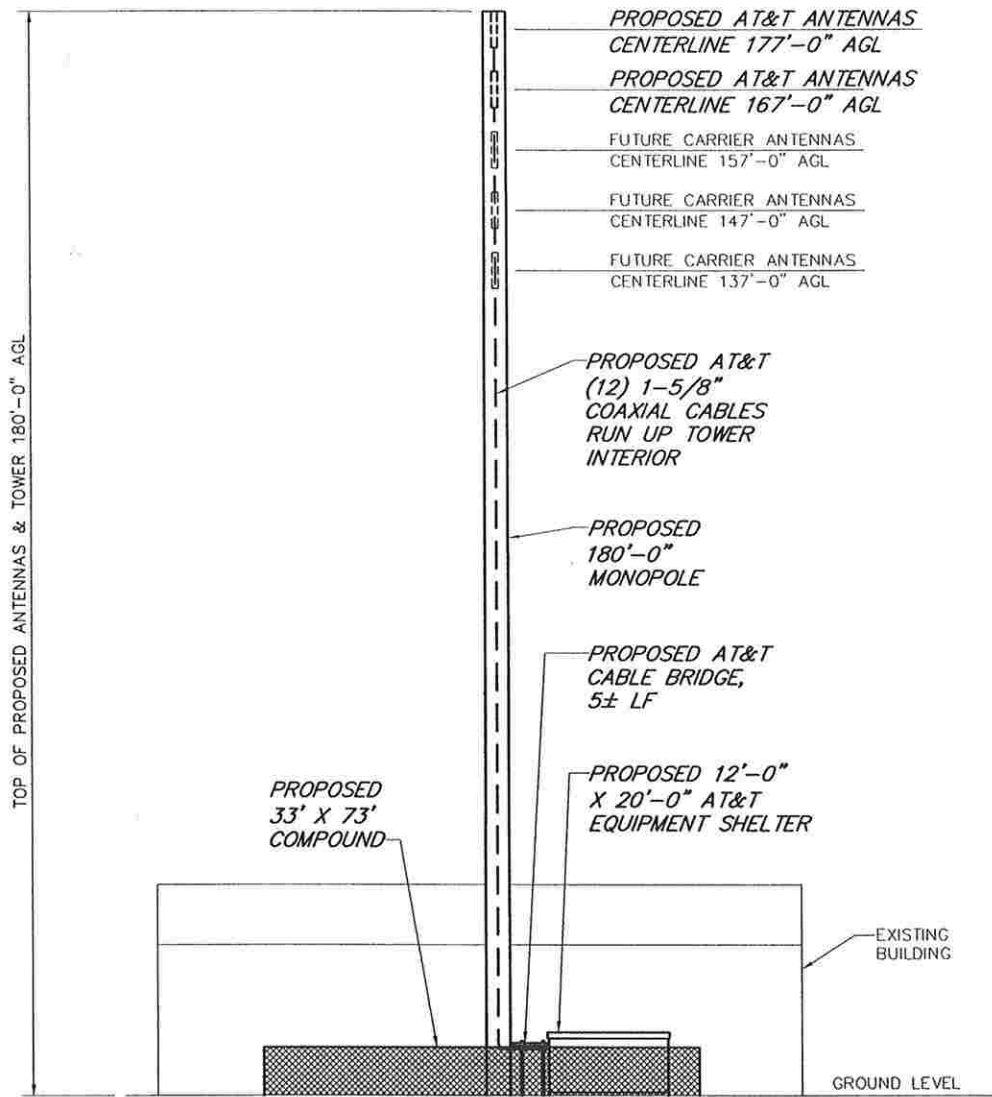
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SHEET TITLE:  
**COMPOUND PLAN**

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 28 GREAT OAK LANE  
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 FAIRFIELD COUNTY

CHA PROJ. NO. - 18301-1046-1101

SHEET TITLE:  
 TOWER ELEVATION

DATE:  
 02/26/10

REVISION:  
 0



**Site Number: SR943**  
**Site Name: Redding Highway Dept.**  
**Site Address: 28 Great Oak Lane, Redding, CT 06896**

**Access distances:**

Distance of access over existing asphalt driveway: 650'  
Distance of access over existing gravel driveway: 100'  
Total distance of site access: 750'

**Distance to Nearest Wetlands:**

150' from wetland flag 21 to compound.  
67' from wetland flag 6 to compound.

**Distance to Property Lines:**

93' to the northern property boundary  
250' to the southern property boundary  
356' to the western property boundary  
170' to the eastern property boundary

**Residence Information:**

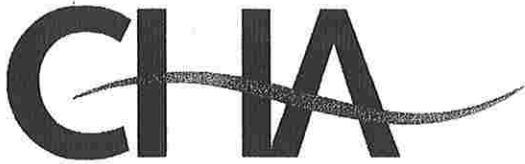
There are 12 residences within 1,000' feet of the tower. The closest residence is 475' to the west and is owned by Andrea L and Ronald E Brundage and is located at 36 Great Oak Lane.

**Tree Removal Count:**

No trees will be removed.

**Distance to Nearest Town (Must notify town if less than 2,500'):**

The nearest towns to the proposed tower are Easton and Weston. The town boundaries are 12,000' to the Southeast.



February 26, 2010

New Cingular Wireless, PCS LLC  
500 Enterprise Drive  
Rocky Hill, CT 06067

**RE: Tree Inventory**  
**Site: Redding Highway Department**  
**28 Great Oak Lane**  
**Redding, CT 06896**  
**CHA # 18301-1046-1101**

A site survey was completed at the subject site in February of 2010. A requirement of the survey involved determining the location of all trees within the topographic survey area with a diameter at breast height of 6" or larger. As can be seen on the site access map, there are no trees with a diameter of 6" or larger within the area of the proposed access road and compound which need to be removed for construction of the facility.

If you have any questions, comments or need further information, please do not hesitate to contact our office.

Very truly yours,

**CLOUGH HARBOUR & ASSOCIATES LLP**

A handwritten signature in cursive script that reads "Paul Lusitani".

Paul Lusitani  
Project Engineer

W:\SAI\Cingular\18301\Sites\1046 Redding 943\ZD\REDDING-10 TREE INVENTORY.doc



*Proposed Wireless  
Telecommunications Facility*

Redding Highway Dept.  
28 Great Oak Lane  
Redding, Connecticut

---

Prepared for    **New Cingular Wireless PCS, LLC**  
500 Enterprise Drive, Suite 3A  
Rocky Hill, CT 06057

Prepared by    **VHB/Vanasse Hangen Brustlin, Inc.**  
54 Tuttle Place  
Middletown, CT 06457

August 2010

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## Visual Resource Evaluation

New Cingular Wireless PCS, LLC seeks approval from the Connecticut Siting Council for a Certificate of Environmental Compatibility and Public Need for the construction of a wireless telecommunications facility ("Facility") to be located on municipally-owned property at 28 Great Oak Lane in the Town of Redding, Connecticut (identified herein as the "host property"). This Visual Resource Evaluation was conducted to evaluate the visibility of the proposed Facility within a two-mile radius ("Study Area"). Attachment A contains a map that depicts the location of the proposed Facility and the limits of the Study Area.

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## Project Introduction

The proposed Facility includes the installation of a 180-foot tall flagpole with associated ground equipment to be located at its base. The flagpole would be partially constructed of a radio frequency transparent material within which the proposed antenna panels will be encased. Both the proposed flagpole and ground equipment would be situated within a fence-enclosed compound. The proposed project area is located at approximately 588 feet Above Mean Sea Level (AMSL). Access to the Facility would be provided via a proposed 12-foot wide gravel driveway.

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## Site Description and Setting

Identified in the Town of Redding Tax Assessor's records as Map 21/Lot 108, the host property consists of approximately 6.50 acres of land and is currently occupied by the Town of Redding Highway Department which is comprised of several single story buildings and materials storage areas. Other portions of the host property are undeveloped and wooded. The proposed Facility is located on the northern portion of host property, immediately adjacent to an existing storage shed. Attachment A includes a photograph of the proposed project area. Land use within the general vicinity of the proposed Facility and host property consists primarily of low-density residential development to the west, south and east; and municipally-owned property associated with the Redding Community Center and Redding Elementary School located to the north. In total, the Study Area features approximately 60 linear miles of roadways, including portions of Routes 53, 58 and 107.

The topography within the Study Area is generally characterized by rolling hills with ground elevations ranging from approximately 265 feet AMSL to just over 810 feet AMSL. The tree cover within the Study Area consists mainly of mixed deciduous hardwood species interspersed with stands of mature evergreen species and occupies approximately 6,600 acres of the 8,042-acre study area (82%). During the in-field activities associated with this analysis, a laser range finder was used to determine the average tree canopy height throughout the Study Area. Numerous trees were selected for measurement and the average tree canopy was determined to be 65 feet. The Study Area contains approximately 198 acres of surface water that includes portions of the Saugatuck Reservoir, Saugatuck River, Moffitts Pond and Mirror Lake.





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## METHODOLOGY

In order to better represent the visibility associated with the Facility, VHB utilizes a two-fold approach incorporating both a predictive computer model and in-field analysis. The predictive model was employed to assess potential visibility throughout the entire Study Area, including private property and/or otherwise inaccessible areas for field verification. A crane test and Study Area drive-through reconnaissance were also conducted to provide a height and locational representation, back check the computer model and obtain photographic documentation from publicly accessible areas. Results of the crane test are analyzed and incorporated into the final viewshed map. A description of the methodologies used in the analysis is provided below.

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### Visibility Analysis

Using ESRI's ArcView® Spatial Analyst, a computer modeling tool, the areas from where the top of the Facility is expected to be visible are calculated. This is based on information entered into the computer model, including Facility height, its ground elevation, the surrounding topography and existing vegetation. Data incorporated into the predictive model includes a digital elevation model (DEM) and a digital forest layer for the Study Area. The DEM was derived from the Connecticut LiDAR-based digital elevation data. The LiDAR data was produced by the University of Connecticut Center for Land Use Education and Research (CLEAR) in 2007 and has a horizontal resolution of 10 feet. In order to create the forest layer, digital aerial photographs of the Study Area are incorporated into the computer model. The mature trees and woodland areas depicted on the aerial photos are manually traced in ArcView® GIS and then converted into a geographic data layer. The aerial photographs were produced in 2006 and have a pixel resolution of one foot.

Once the data are entered, a series of constraints are applied to the computer model to achieve an estimate of where the Facility will be visible. Initially, only topography was used as a visual constraint; the tree canopy is omitted to evaluate all areas of potential visibility without any vegetative screening. Although this is an overly conservative prediction, the initial omission of these layers assists in the evaluation of potential seasonal visibility of the proposed Facility. A conservative tree canopy height of 50 feet is then used to prepare a preliminary viewshed map for use during the Study Area reconnaissance. The average height of the tree canopy was determined in the field using a laser range finder. The average tree canopy height is incorporated into the final viewshed map; in this case, 65 feet was identified as the average tree canopy height. The forested areas within the Study Area were then overlaid on the DEM with a height of 65 feet added and the visibility calculated. As a final step, the forested areas are extracted from the areas of visibility, with the assumption that a person standing among the trees will not be able to view the Facility beyond a distance of approximately 500 feet. Depending on the density of the vegetation in these areas, it is

assumed that some locations within this range will provide visibility of at least portions of the Facility based on where one is standing.

Also included on the map is a data layer, obtained from the State of Connecticut Department of Environmental Protection ("CTDEP"), which depicts various land and water resources such as parks and forests, recreational facilities, dedicated open space, CTDEP boat launches and other categories. Lastly, based on both a review of published information and discussions with municipal staff in Redding, it was determined that there are several locally-designated scenic roads and one state-designated scenic road located within the Study Area that include Cross Highway, John Read Road, Sherman Turnpike and portions of Route 53. Each of these roadways is depicted on the attached viewshed map.

The preliminary viewshed map (using topography and a conservative tree canopy height of 50 feet) is used during the in-field activity to assist in determining if significant land use changes have occurred since the aerial photographs used in this analysis were produced and to compare the results of the computer model with observations of the balloon float. Information obtained during the reconnaissance is then incorporated into the final visibility map.

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## Balloon Float and Study Area Reconnaissance

On January 11, 2009 Vanasse Hangen Brustlin Inc., (VHB) observed a crane test at the project Site and conducted Study Area reconnaissance in order to further evaluate the potential viewshed associated with the proposed Facility. The crane test consisted of locating a crane at the proposed Facility and raising its arm to 180 feet. A red, helium-filled weather balloon was also affixed to the crane arm at 150-feet above ground level AGL. VHB staff conducted drive-by reconnaissance along the roads located within the Study Area with an emphasis on nearby residential areas and other potential sensitive receptors in order to evaluate and refine the results of the preliminary viewshed map and to verify where the crane arm was, and was not, visible above and/or through the tree canopy. During the in-field activities, weather conditions were partly sunny with a temperature of approximately 20 to 25 degrees Fahrenheit.

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## Photographic Documentation

During the balloon float, VHB personnel drove the public road system within the Study Area to inventory those areas where the balloon was visible. The balloon was photographed from a number of different vantage points to document the actual view towards the proposed Facility. Several locations where the balloon was not visible are also included in order to provide documentation. The locations of the photos are described below:

1. View from parking area at Redding Community Center.
2. View from Redding Elementary School driveway.
3. View from parking area of Redding Elementary School.
4. View from Route 107 east of Great Oak Lane.
5. View from Route 107 south of Redding Elementary School.
6. View from Route 107 at Gallows Hill Road Extension.
7. View from Great Oak Lane at entrance to Town of Redding Highway Department.
8. View from parking area at Redding Community Center.
9. View from Great Oak Lane north of entrance to Town of Redding Highway Department.
10. View from Cross Highway at Sanfordtown Road.
11. View from Sherman Turnpike north of Deer Hill Road.
12. View from John Read Road.

Photographs of the balloon from the view points listed above were taken with a Nikon D-80 digital camera body and Nikon 18 to 135 mm zoom lens. For the purposes of this report, the lens was set to 50mm. "The lens that most closely approximates the view of the unaided human eye is known as the normal focal-length lens. For the 35 mm camera format, which gives a 24x36 mm image, the normal focal length is about 50 mm."<sup>1</sup>

The locations of the photographic points are recorded in the field using a hand-held GPS receiver and are subsequently plotted on the maps contained in the attachments to this document.

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## Photographic Simulation

Photographic simulations were generated for the nine representative locations where the crane arm was visible during the in-field activities. The photographic simulations represent a scaled depiction of the proposed Facility (a flagpole) at 180 feet from these locations. The height of the Facility is determined based on the location of the crane arm and a proportional flagpole image is simulated into the photographs. The simulations are contained in Attachment A.

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## CONCLUSIONS

Based on this analysis, areas from where a 180-foot tall tower would be visible above the tree canopy comprise approximately 43 acres, representing roughly one half of one percent of the total land area contained within the 8,042- acre Study Area. As depicted on the attached

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<sup>1</sup> Warren, Bruce. *Photography*, West Publishing Company, Eagan, MN, c. 1993, (page 70).

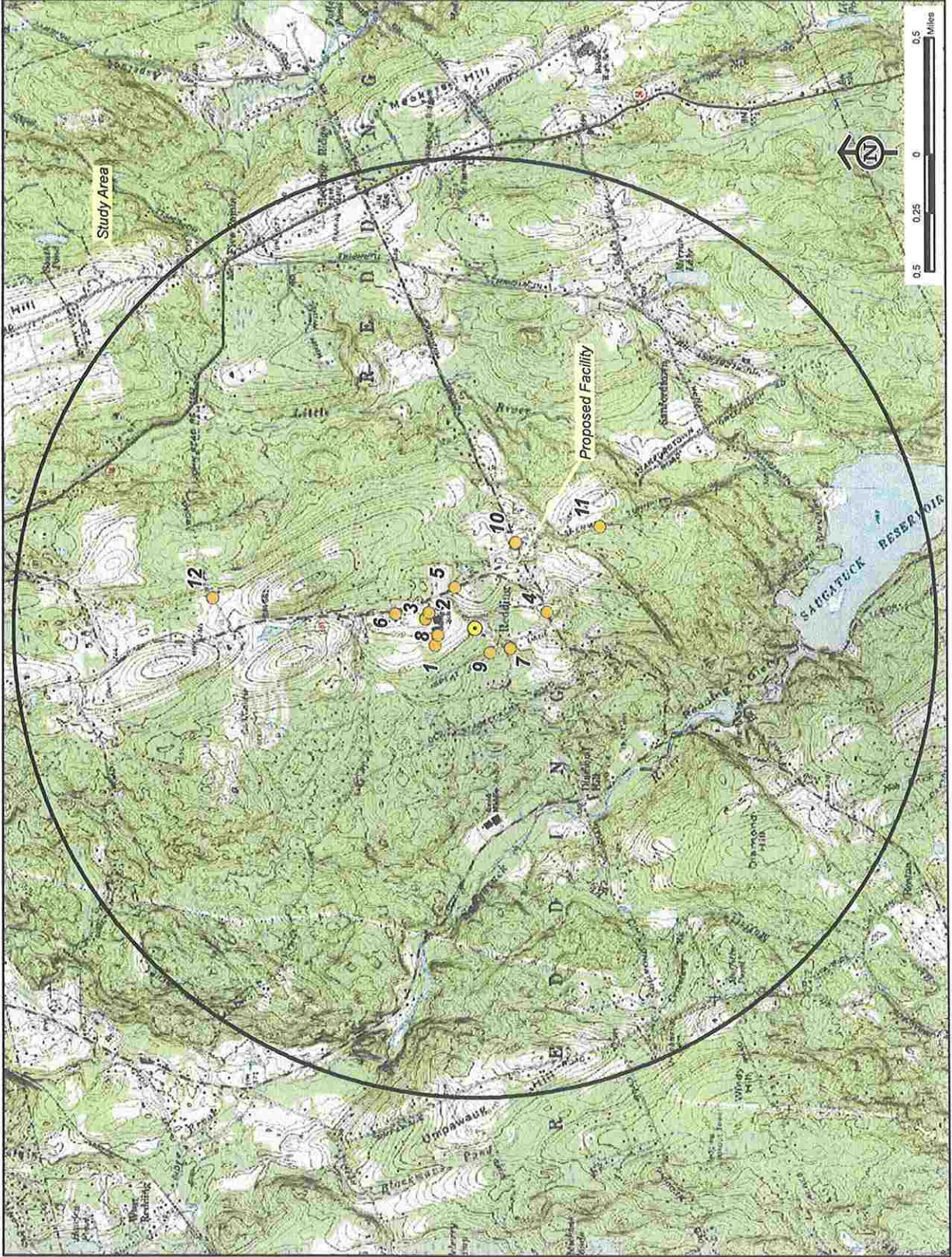
viewshed map, most of the year-round visibility occurs on and/or within the immediate vicinity of the Host Property. This includes select portions of the open playing fields and parking areas on the adjoining municipal property to the north/northeast (Views 1 through 3) as well as a limited segment of Route 107 to the northwest of the proposed Facility (View 6). The viewshed map also depicts small areas of year-round visibility that are located on portions of private properties to the north, south and west of the proposed Facility and were therefore inaccessible to VHB field personnel for verification during the Study Area reconnaissance. However, based on a review of the aerial photographs used to develop our viewshed model, it appears that these areas are located over open, undeveloped land. As evidenced by the results of the crane test and viewshed modeling conducted as part of this analysis, the intervening topography and abundance of mature trees and other vegetation contained within the Study Area serve to confine potential year-round views to the areas described above. The design of the proposed Facility, a flagpole, would also minimize potential visual effects by presenting a reduced profile in comparison to a traditional monopole that typically features several externally-mounted antenna arrays. VHB estimates that select portions of approximately seven (7) residential properties may have at least partial year-round views of the proposed Facility. This includes five (5) residences located along Route 107 to the north and south of the proposed Facility; one (1) residential property off Diamond Hill Road located just over one mile to the southwest of the proposed Facility; and one (1) residence located at the end of Longwood Lane approximately 0.62-mile to the north of the proposed Facility. No year-round views of the proposed Facility are anticipated from any of the designated scenic roadways contained within the Study Area.

The viewshed map also depicts additional areas where seasonal (i.e. during "leaf off" conditions) views through the trees are anticipated. These areas comprise approximately 56 additional acres. Similar to the year-round visibility, seasonal views would also be limited to the immediate vicinity of the proposed Facility. Specifically, this would include select portions of Great Oak Lane and Route 107. As observed during the crane test, seasonal views from these areas would be largely obstructed by existing vegetation. VHB estimates that seasonal views may be achieved from select portions of approximately sixteen (16) residential properties located within the Study Area. This includes approximately nine (9) residential properties located off Route 107 and approximately seven (7) residential properties located off Great Oak Lane. Intermittent seasonal views are also anticipated from select portions of Cross Highway just beyond the limits of the scenic designation for this roadway (View 4).

## Attachment A

# Project Area Photograph, Photolog Documentation Map, Balloon Float Photographs, and Photographic Simulations

PHOTOLOG MAP



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PHOTOGRAPHIC DOCUMENTATION



PROPOSED PROJECT AREA

PHOTOGRAPHIC DOCUMENTATION



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## Attachment A

# Project Area Photograph, Photolog Documentation Map, Balloon Float Photographs, and Photographic Simulations



# Attachment B

## Viewshed Map

PHOTOGRAPHIC DOCUMENTATION

VIEW 1

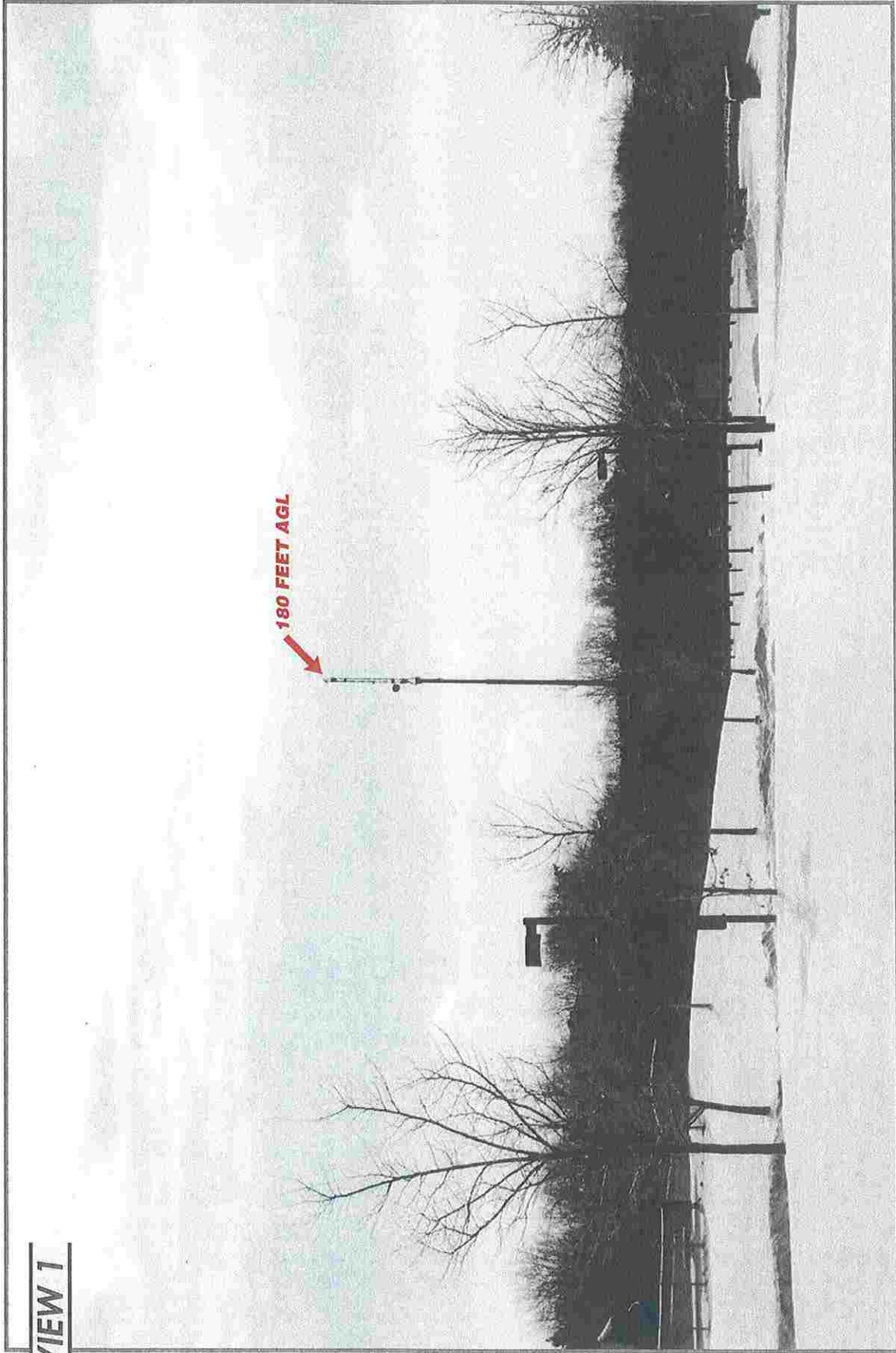


PHOTO TAKEN FROM PARKING AREA AT REDDING COMMUNITY CENTER, LOOKING SOUTHEAST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.18 MILE +/-



PHOTOGRAPHIC SIMULATION

VIEW 1

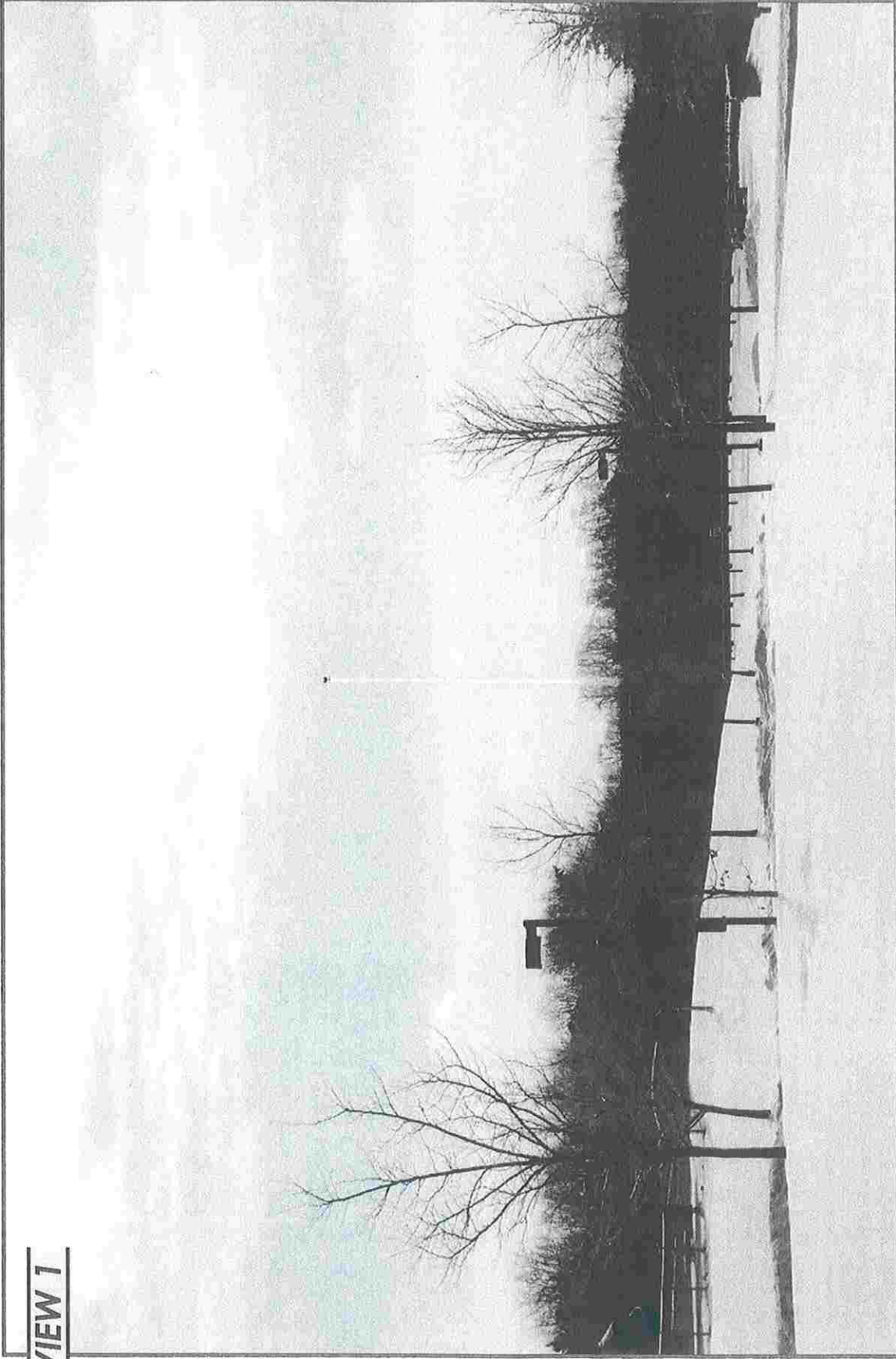


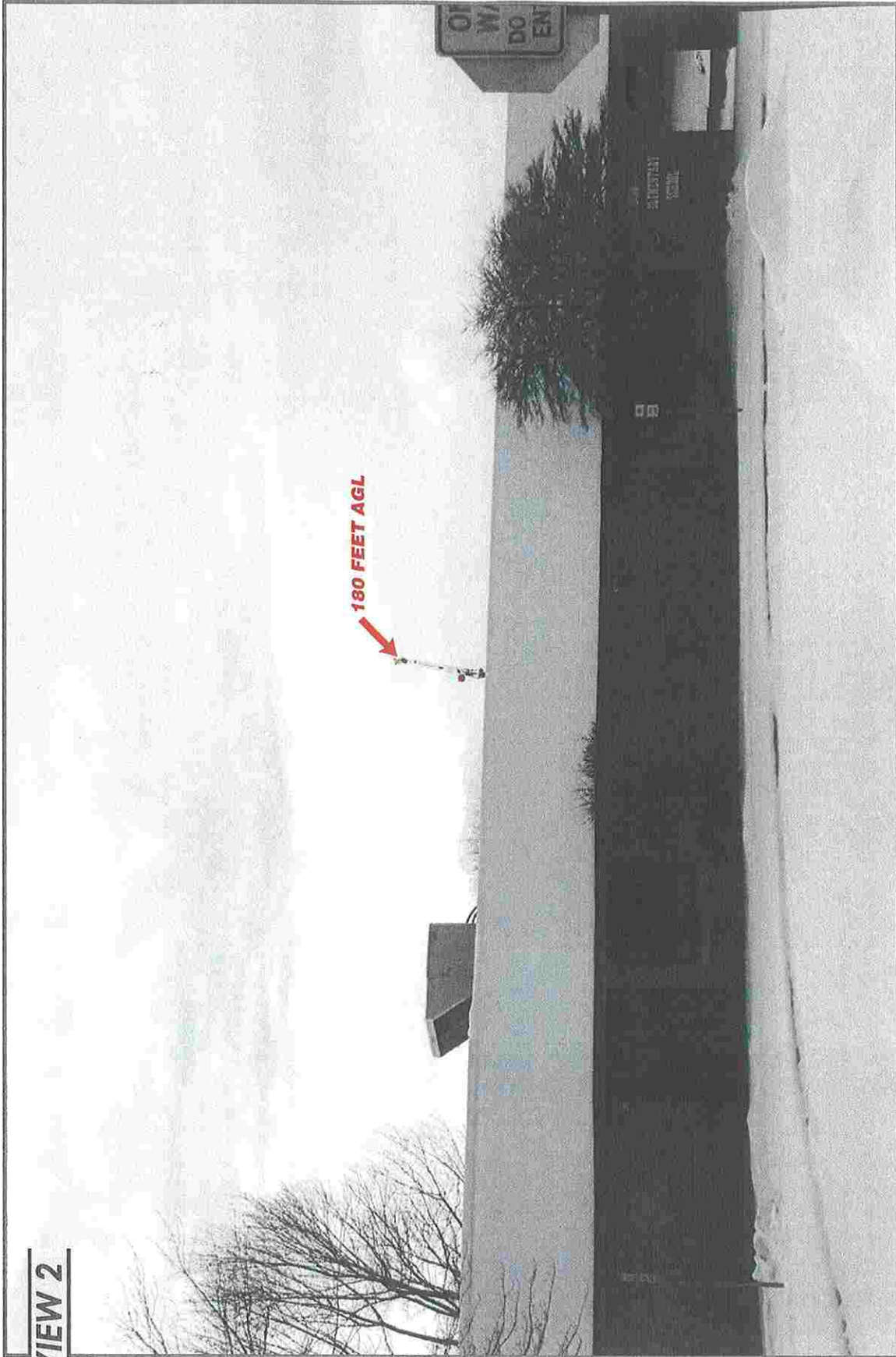
PHOTO TAKEN FROM PARKING AREA AT REDDING COMMUNITY CENTER, LOOKING SOUTHEAST

DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.18 MILE +/-



**PHOTOGRAPHIC DOCUMENTATION**

**VIEW 2**

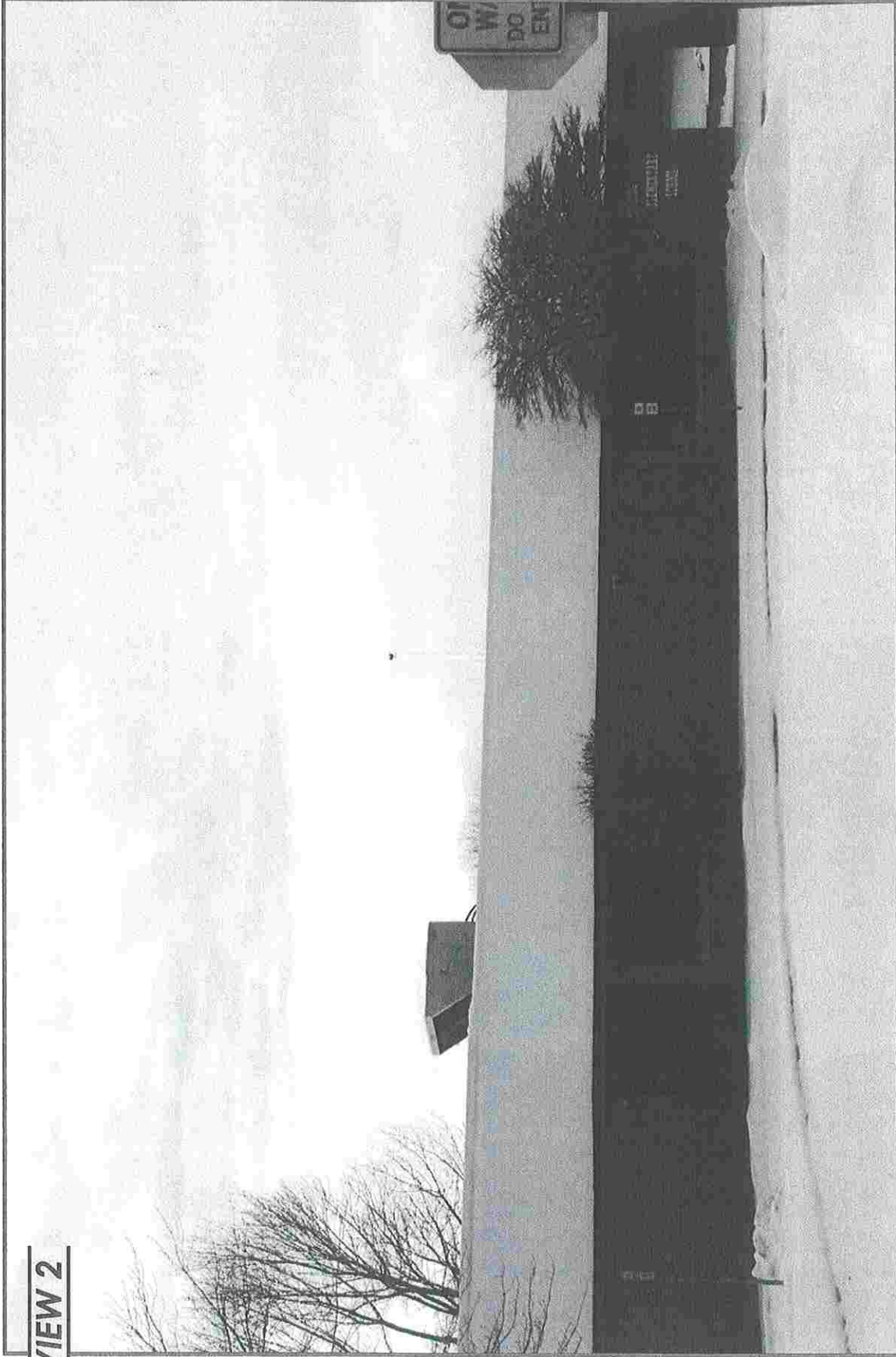


**PHOTO TAKEN FROM REDDING ELEMENTARY SCHOOL DRIVEWAY, LOOKING SOUTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.21 MILE +/-**



**PHOTOGRAPHIC SIMULATION**

**VIEW 2**



**PHOTO TAKEN FROM REDDING ELEMENTARY SCHOOL DRIVEWAY, LOOKING SOUTHWEST**

DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.21 MILE +/-



PHOTOGRAPHIC DOCUMENTATION

VIEW 3

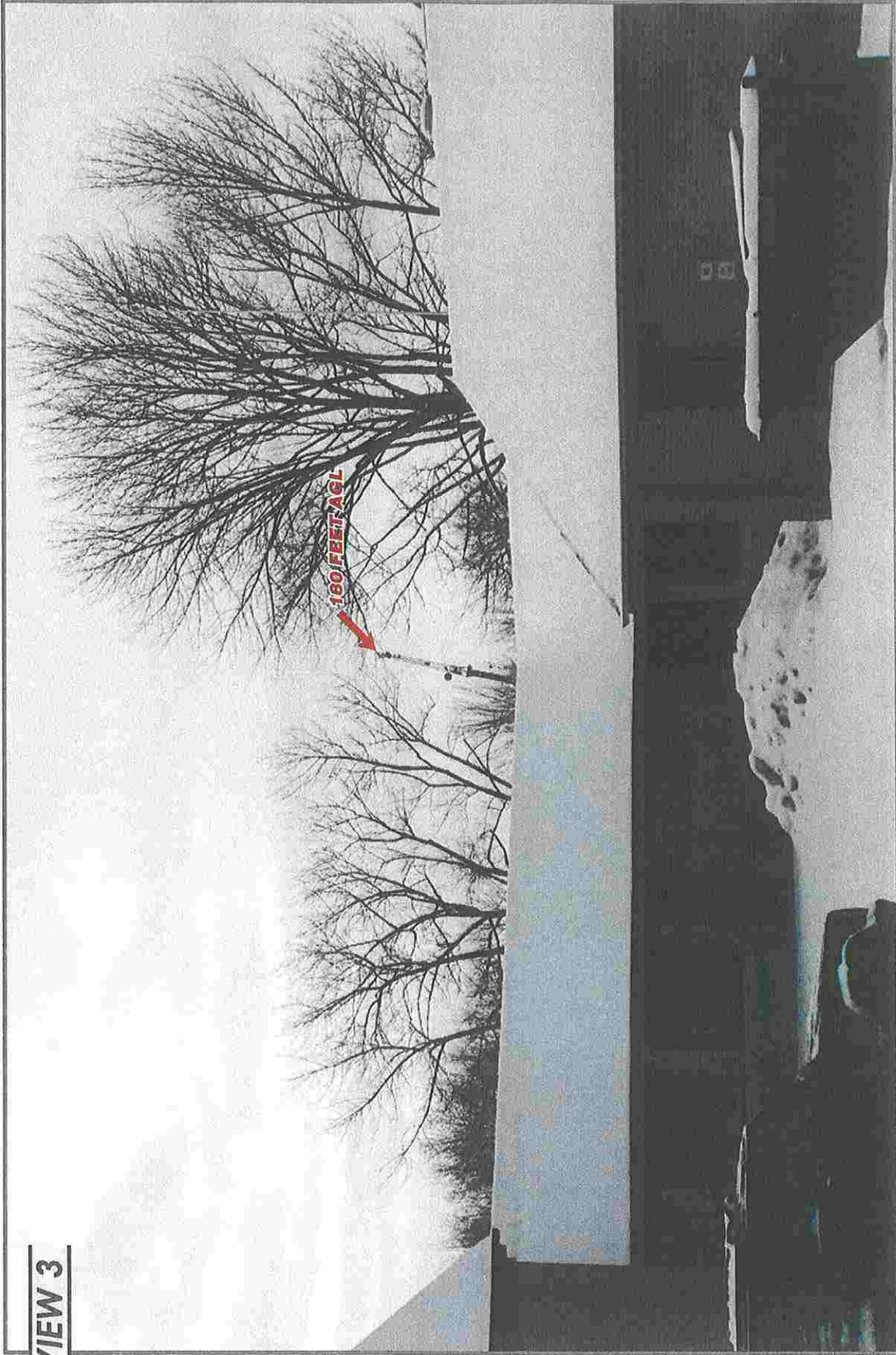


PHOTO TAKEN FROM PARKING AREA OF REDDING ELEMENTARY SCHOOL, LOOKING SOUTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.20 MILE +/-



PHOTOGRAPHIC SIMULATION

VIEW 3

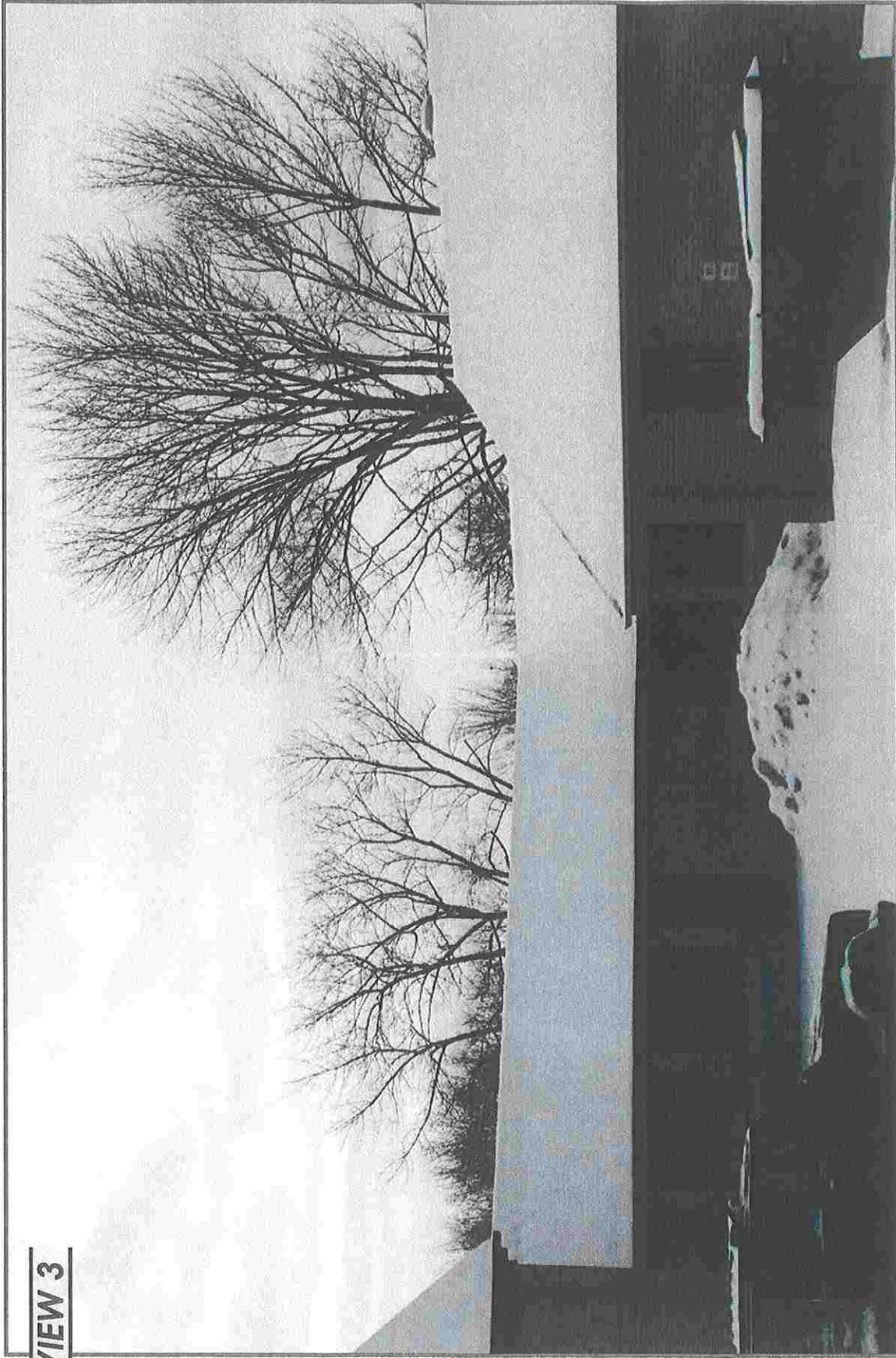
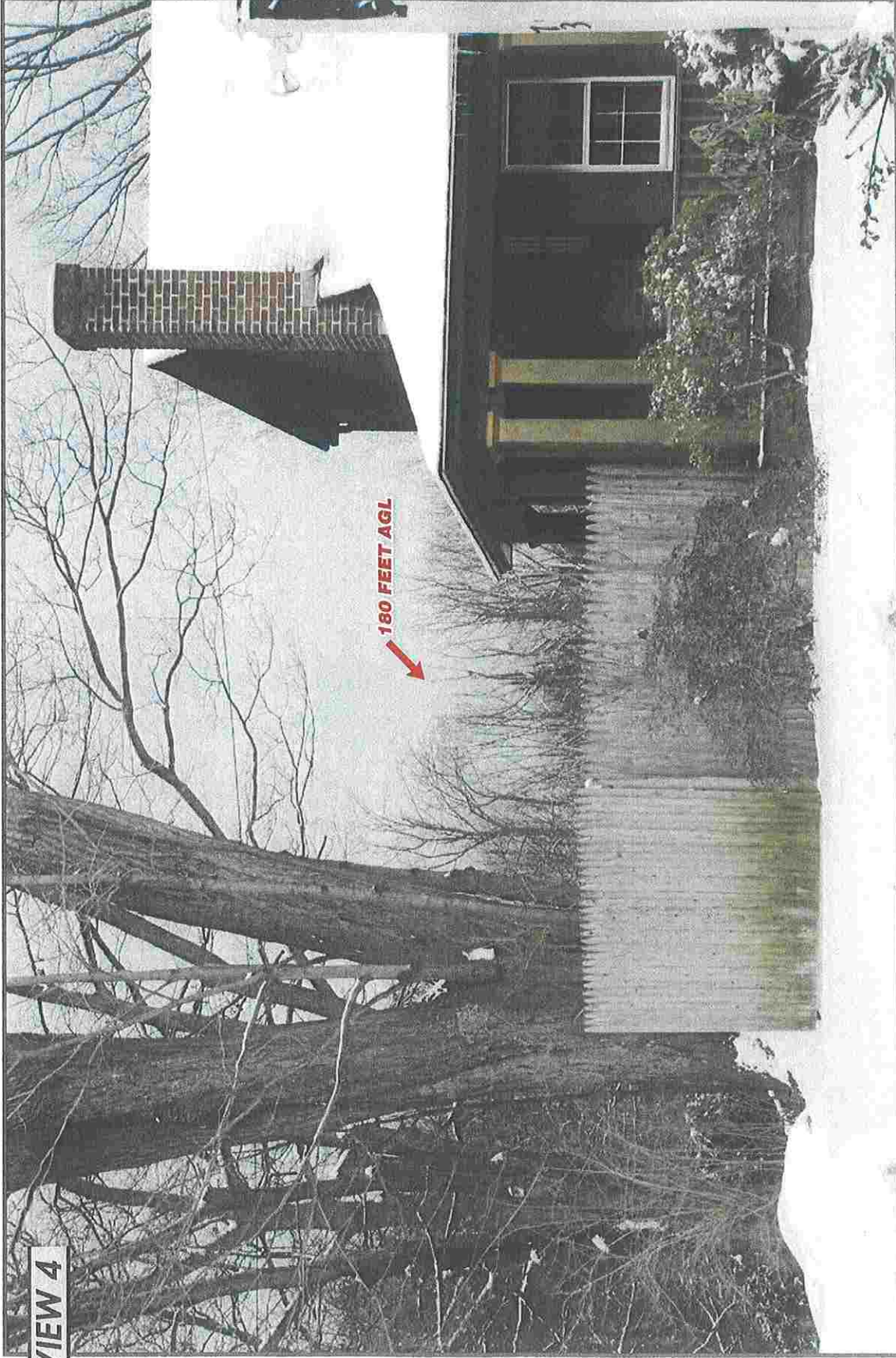


PHOTO TAKEN FROM PARKING AREA OF REDDING ELEMENTARY SCHOOL, LOOKING SOUTHWEST

DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.20 MILE +/-



PHOTOGRAPHIC DOCUMENTATION



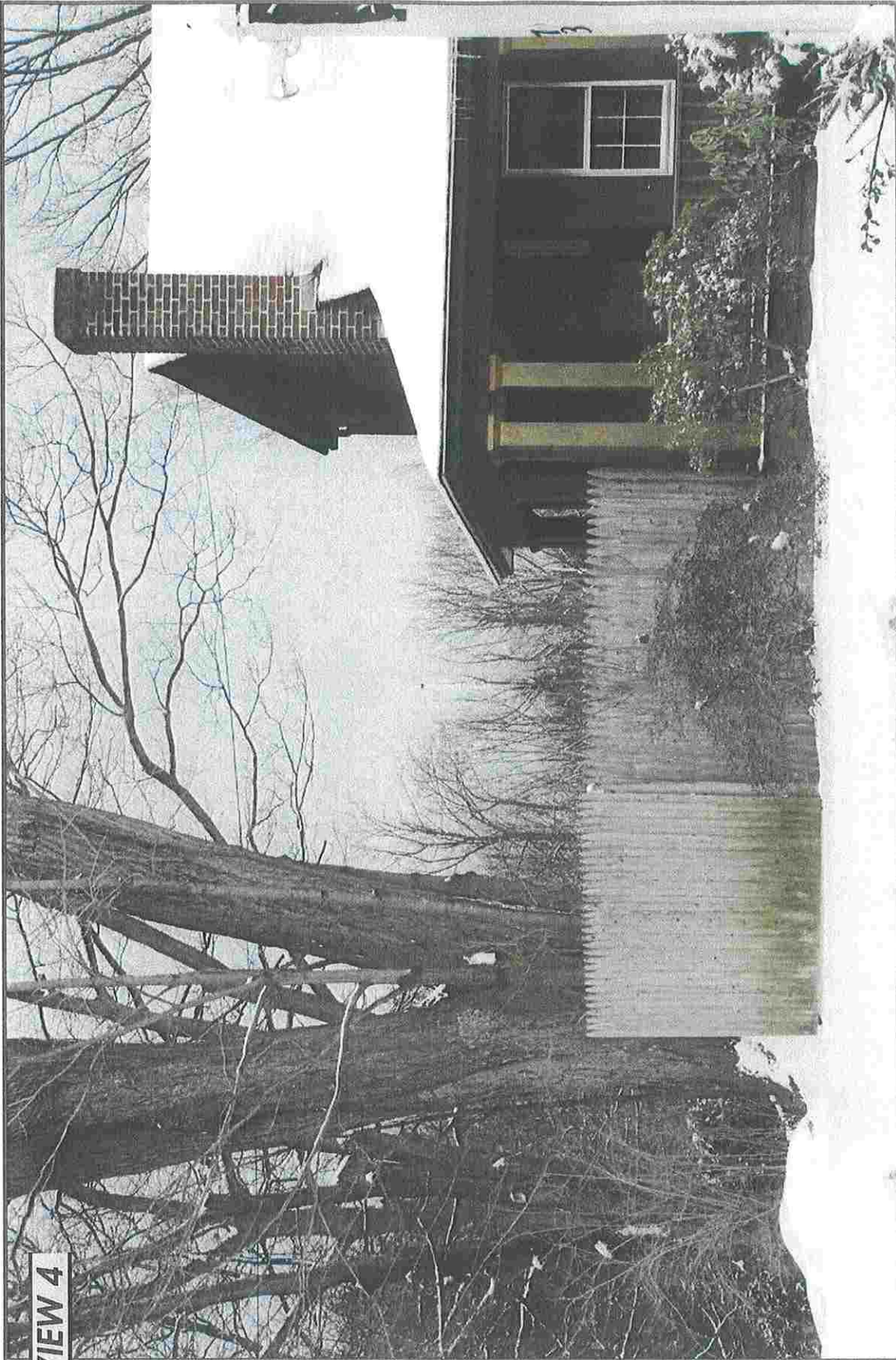
VIEW 4

PHOTO TAKEN FROM ROUTE 107 EAST OF GREAT OAK LANE, LOOKING NORTHWEST - CRANE ARM IS VISIBLE THROUGH TREES  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.32 MILE +/-





PHOTOGRAPHIC SIMULATION

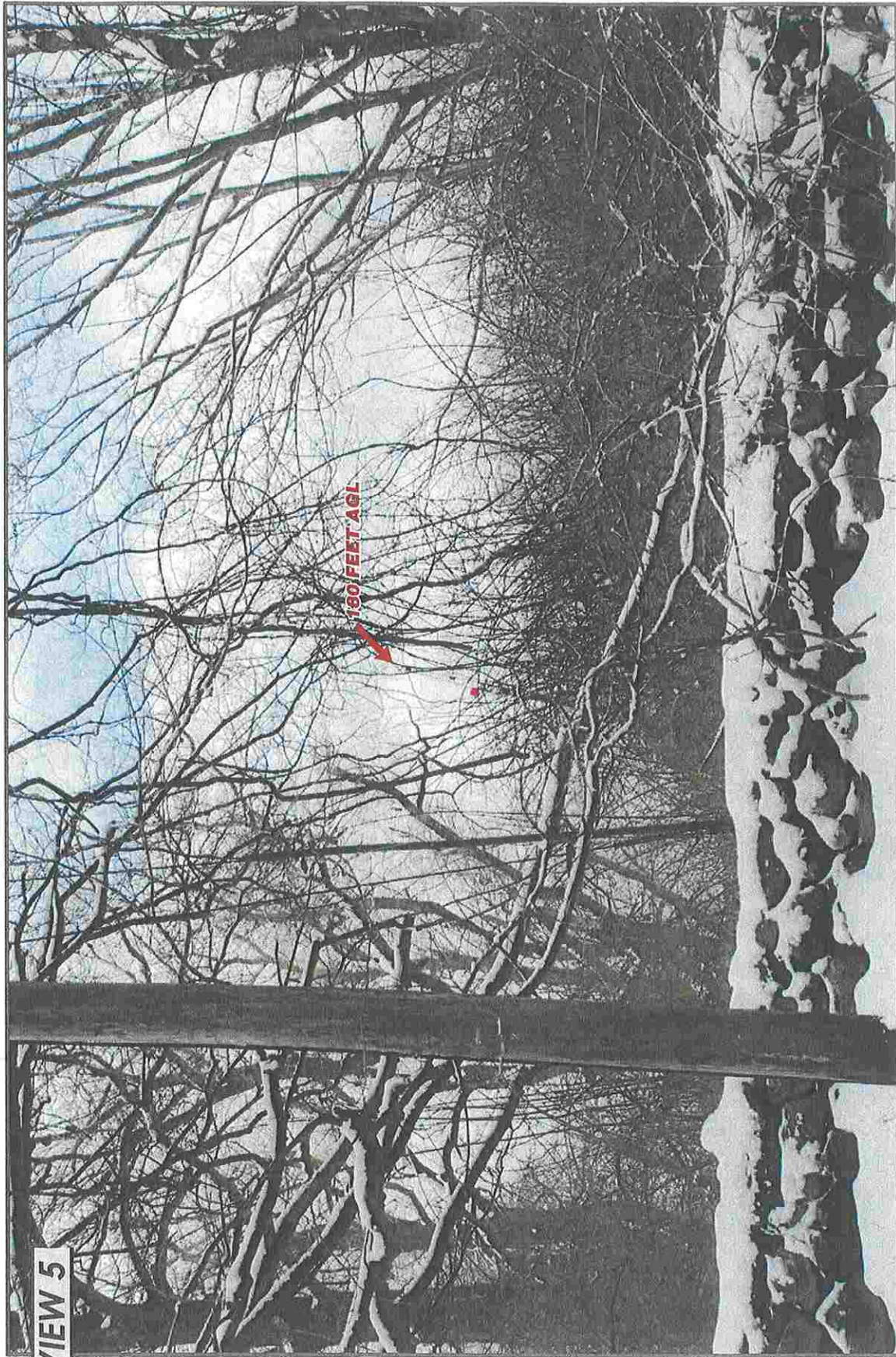


VIEW 4

PHOTO TAKEN FROM ROUTE 107 EAST OF GREAT OAK LANE, LOOKING NORTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.32 MILE +/-



PHOTOGRAPHIC DOCUMENTATION

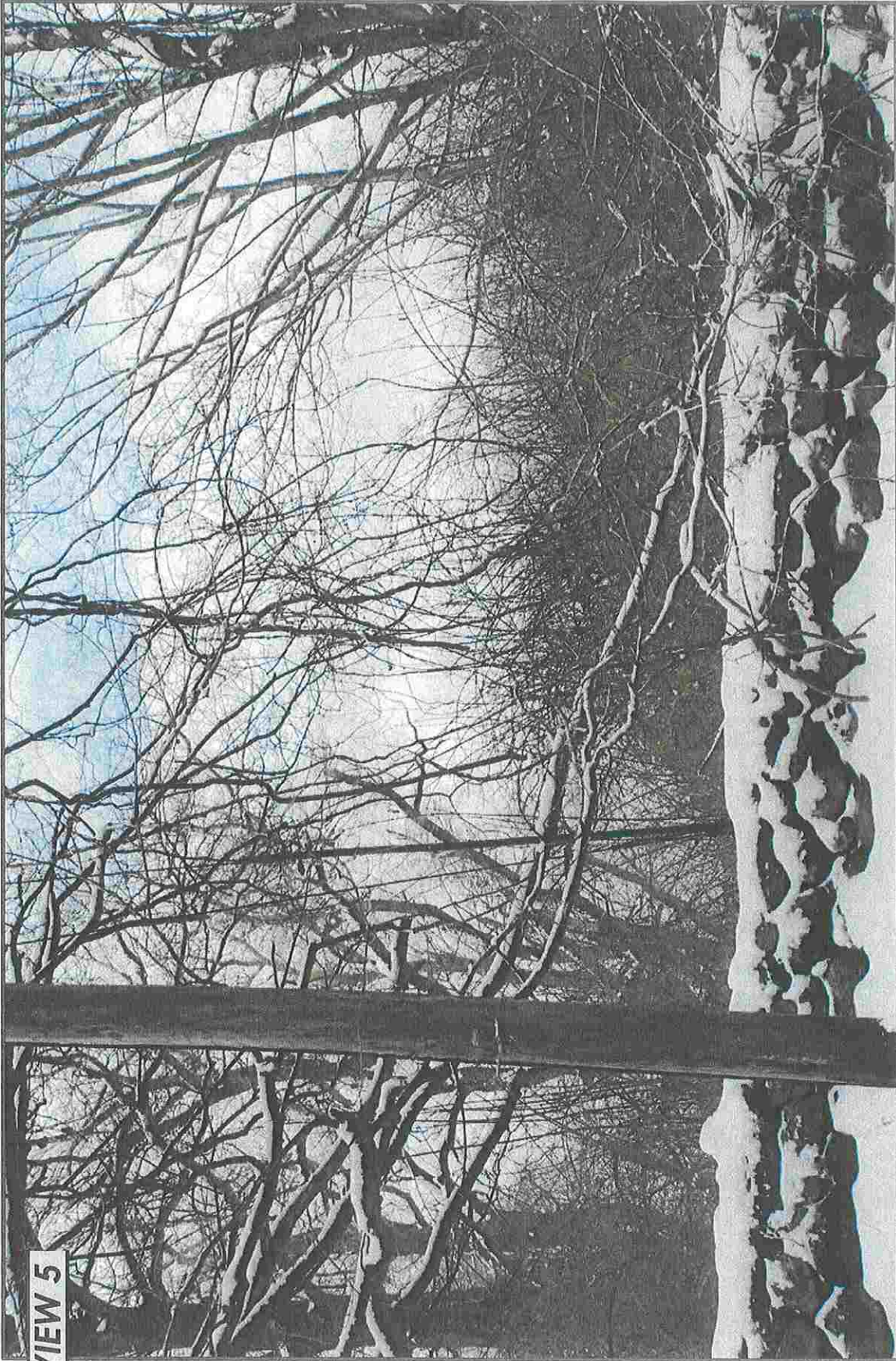


VIEW 5

PHOTO TAKEN FROM ROUTE 107 SOUTH OF REDDING ELEMENTARY SCHOOL, LOOKING SOUTHWEST  
- CRANE ARM IS VISIBLE THROUGH TREES  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.20 MILE +/-



PHOTOGRAPHIC DOCUMENTATION



VIEW 5

PHOTO TAKEN FROM ROUTE 107 SOUTH OF REDDING ELEMENTARY SCHOOL, LOOKING SOUTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.20 MILE +/-

00111111 1312 00 graphics\FR\_4\_RED\_S14\_1202\_00\_170202.mxd

PHOTOGRAPHIC DOCUMENTATION

VIEW 6

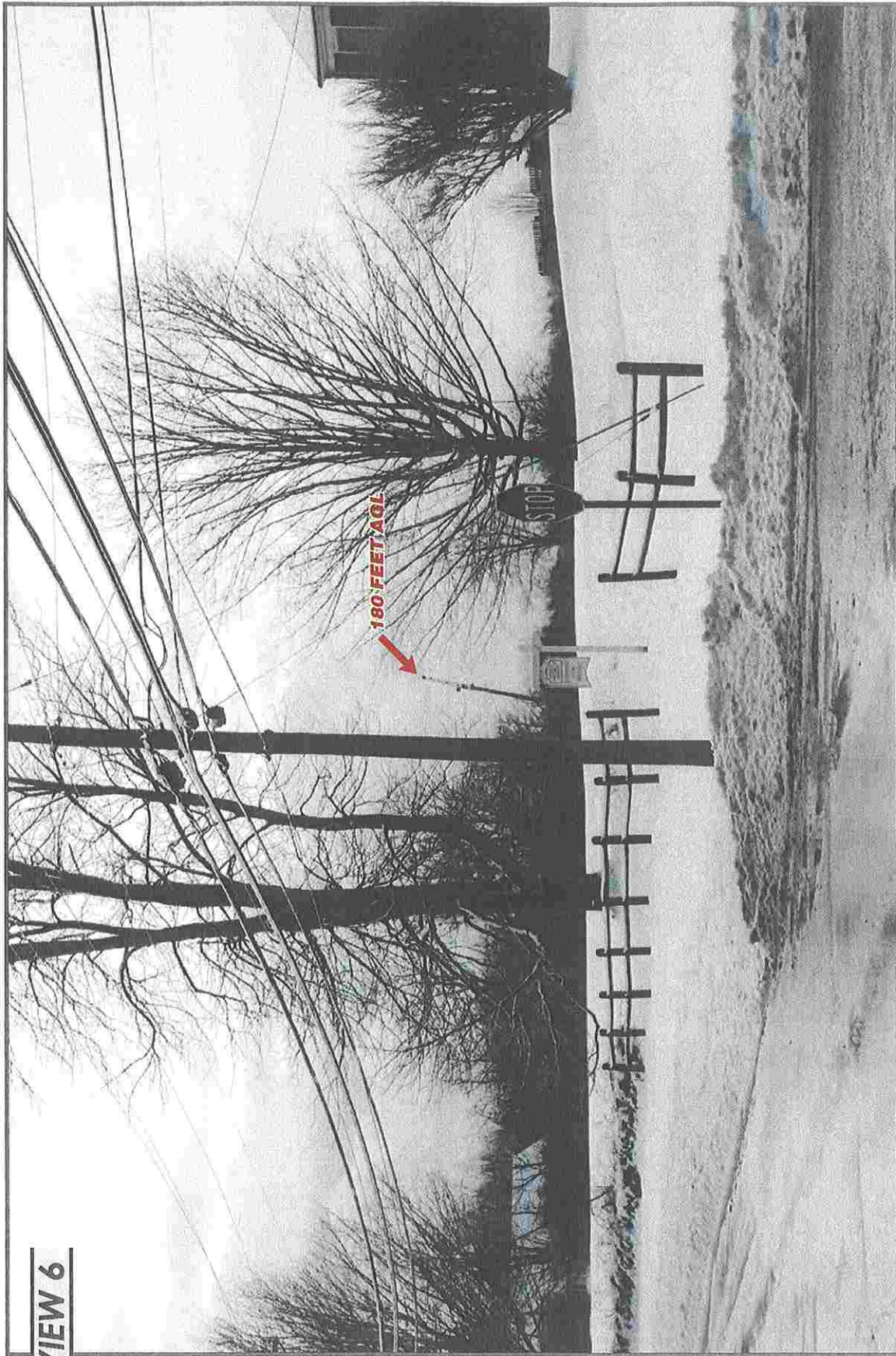
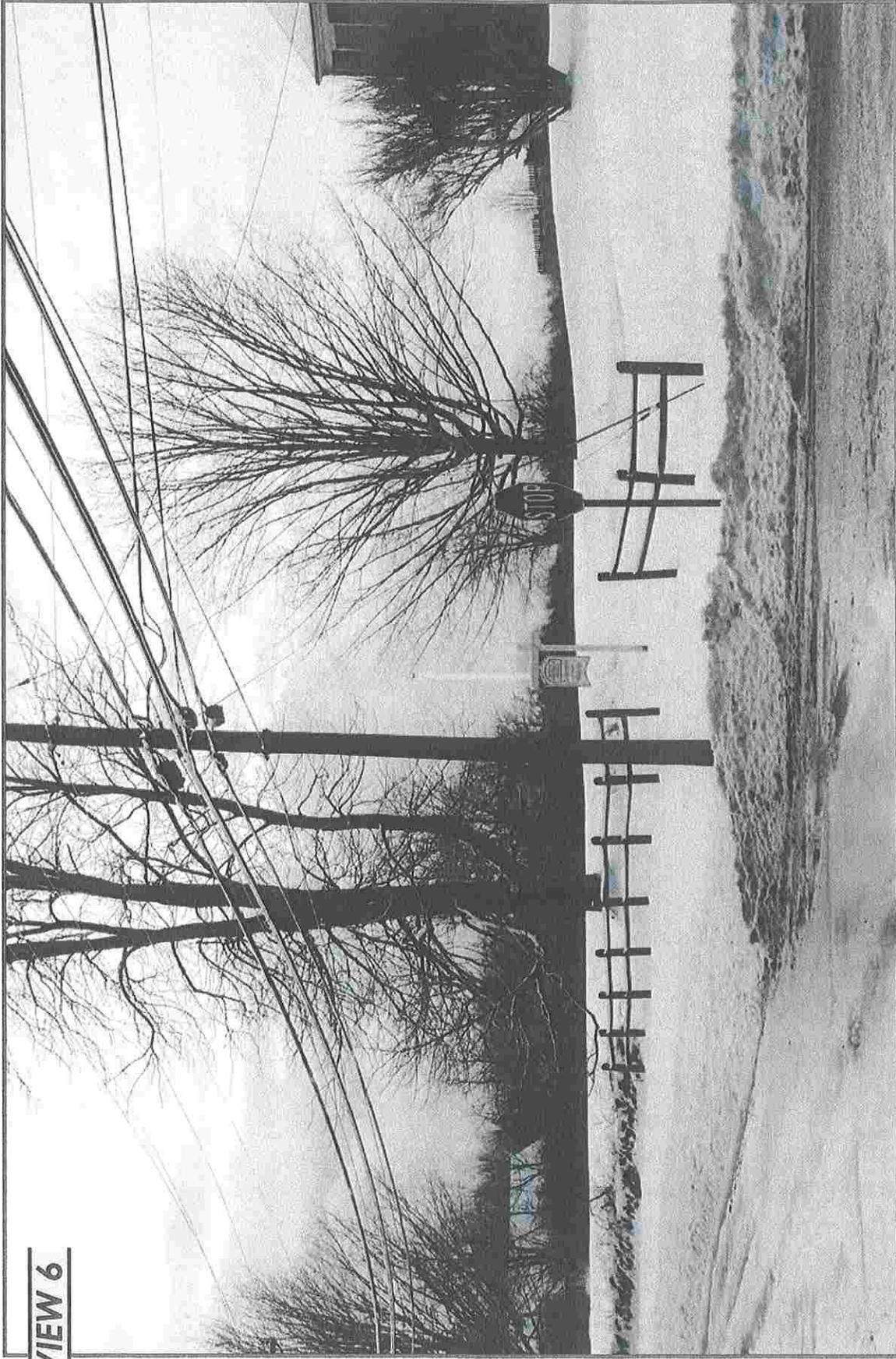


PHOTO TAKEN FROM ROUTE 107 AT GALLOWS HILL ROAD EXTENSION, LOOKING SOUTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.35 MILE +/-



PHOTOGRAPHIC SIMULATION

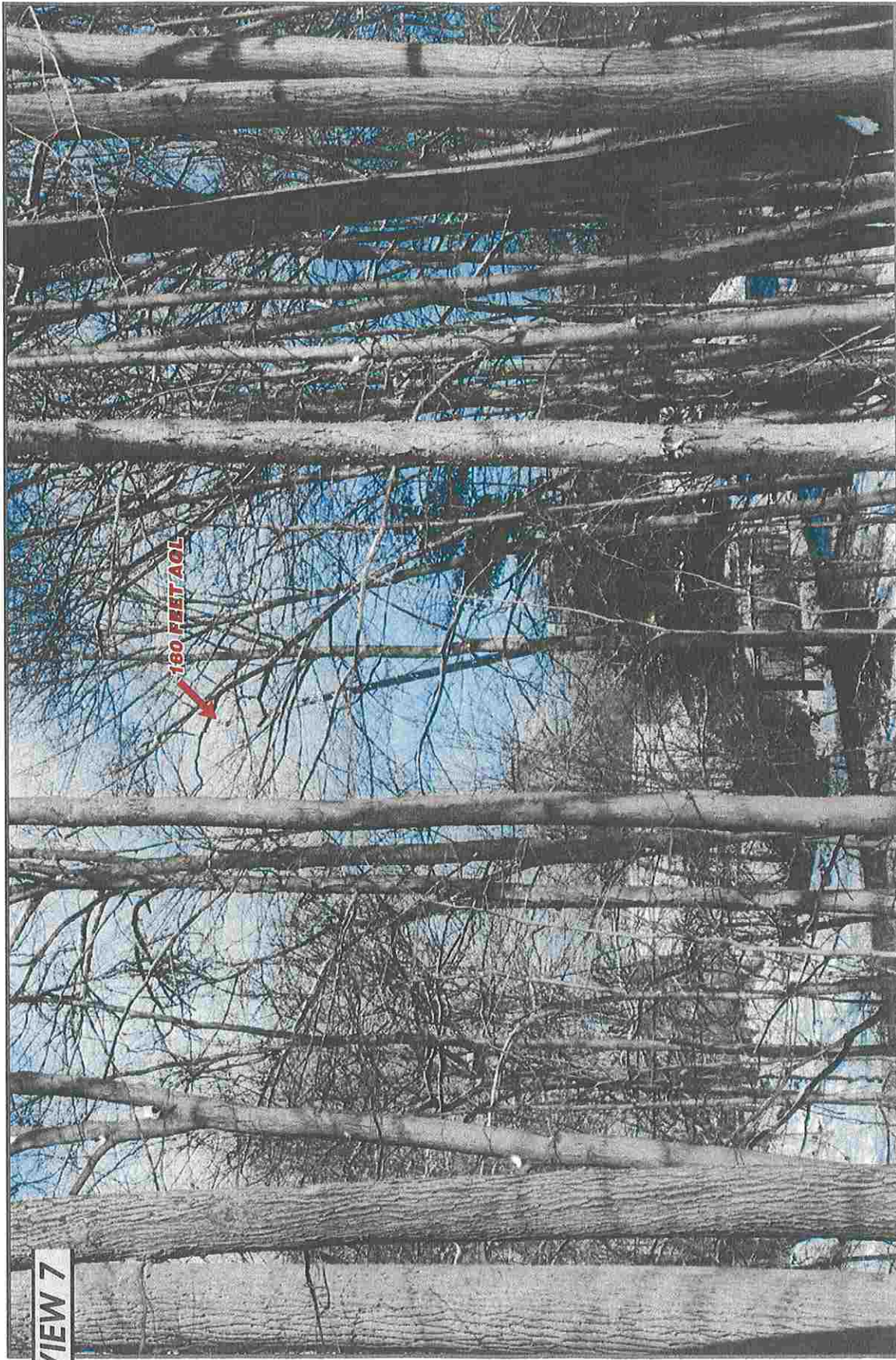


VIEW 6

PHOTO TAKEN FROM ROUTE 107 AT GALLOWS HILL ROAD EXTENSION, LOOKING SOUTHWEST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.35 MILE +/-



PHOTOGRAPHIC DOCUMENTATION



VIEW 7

PHOTO TAKEN FROM GREAT OAK LANE AT ENTRANCE TO TOWN OF REDDING HIGHWAY DEPARTMENT, LOOKING NORTHEAST  
- CRANE ARM IS VISIBLE THROUGH TREES  
- DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.17 MILE +/-



PHOTOGRAPHIC SIMULATION



VIEW 7

PHOTO TAKEN FROM GREAT OAK LANE AT ENTRANCE TO TOWN OF REDDING HIGHWAY DEPARTMENT, LOOKING NORTHEAST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.17 MILE +/-



PHOTOGRAPHIC DOCUMENTATION

VIEW 8

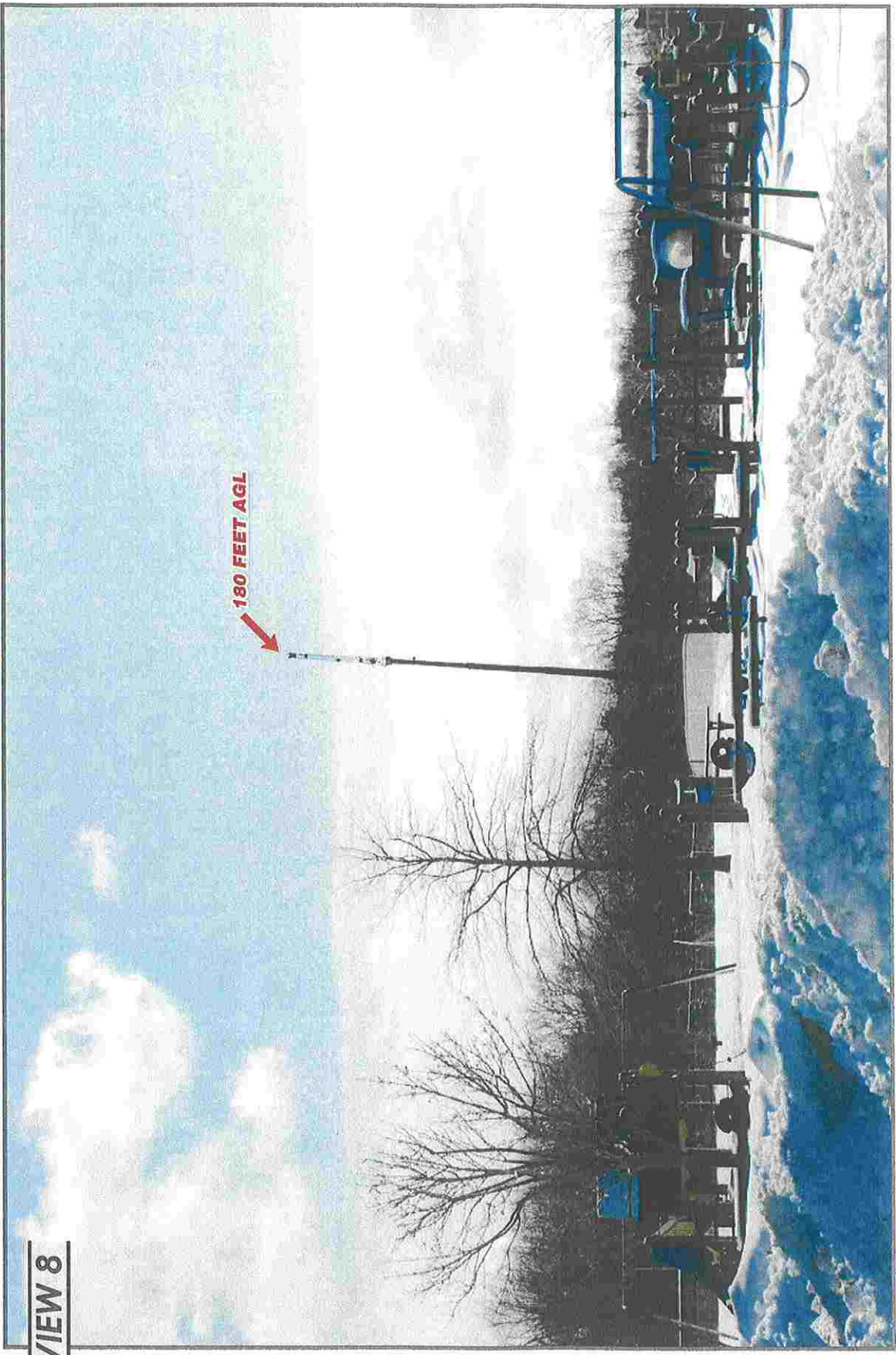


PHOTO TAKEN FROM PARKING AREA AT REDDING COMMUNITY CENTER, LOOKING SOUTHEAST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.16 MILE +/-



01/15/2024 10:00 AM 1502 04, P:\1502.mxd



PHOTOGRAPHIC SIMULATION

VIEW 8



PHOTO TAKEN FROM PARKING AREA AT REDDING COMMUNITY CENTER, LOOKING SOUTHEAST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.16 MILE +/-



PHOTOGRAPHIC DOCUMENTATION



VIEW 9

PHOTO TAKEN FROM GREAT OAK LANE NORTH OF ENTRANCE TO REDDING HIGHWAY DEPARTMENT, LOOKING NORTHEAST  
- CRANE ARM IS VISIBLE THROUGH TREES  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.12 MILE +/-



PHOTOGRAPHIC SIMULATION



VIEW 9

PHOTO TAKEN FROM GREAT OAK LANE NORTH OF ENTRANCE TO REDDING HIGHWAY DEPARTMENT, LOOKING NORTHEAST  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.12 MILE +/-



PHOTOGRAPHIC DOCUMENTATION

VIEW 10

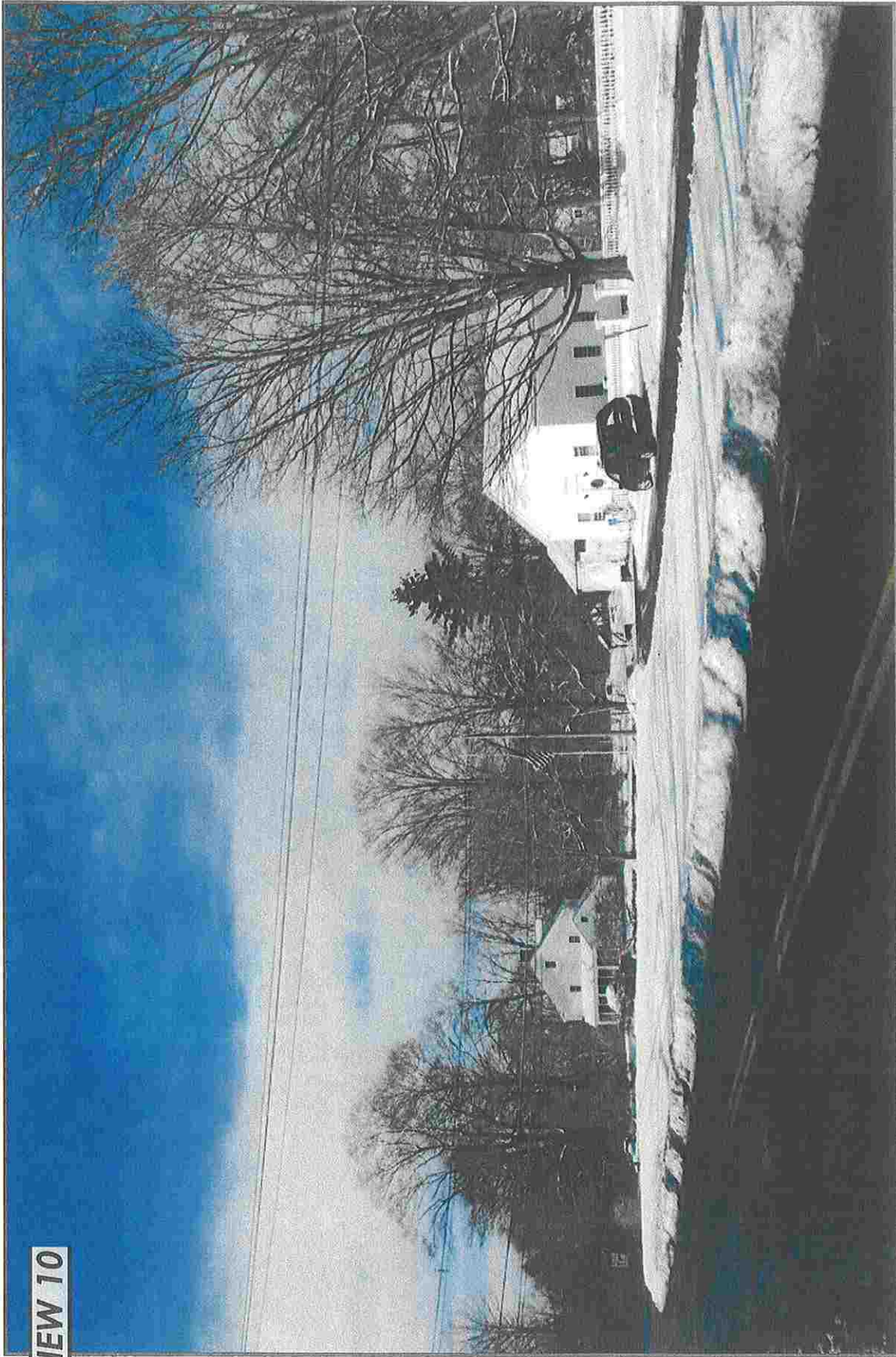


PHOTO TAKEN FROM CROSS HIGHWAY AT SANFORDTOWN ROAD, LOOKING NORTHWEST  
- CRANE ARM IS NOT VISIBLE  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.39 MILE +/-



PHOTOGRAPHIC DOCUMENTATION



VIEW 11

PHOTO TAKEN FROM SHERMAN TURNPIKE NORTH OF DEER HILL ROAD, LOOKING NORTHWEST  
- CRANE ARM IS NOT VISIBLE  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.70 MILE +/-



**PHOTOGRAPHIC DOCUMENTATION**

**VIEW 12**



**PHOTO TAKEN FROM JOHN READ ROAD, LOOKING SOUTHWEST  
- CRANE ARM IS NOT VISIBLE  
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 1.16 MILES +/-**



# Attachment B

## Viewshed Map

*Viewshed Analysis*  
**Proposed Wireless**  
**Telecommunications Facility**  
**28 Great Oak Lane**  
**Redding, Connecticut**

**NOTE**  
 Viewshed analysis conducted using ESRIN Spatial Analyst.  
 - Proposed Facility height is 180 feet.  
 - Existing tree canopy height estimated at 85 feet.  
 - Study Area is comprised of a two-mile radius surrounding the proposed facility and includes 8,642 acres of land.

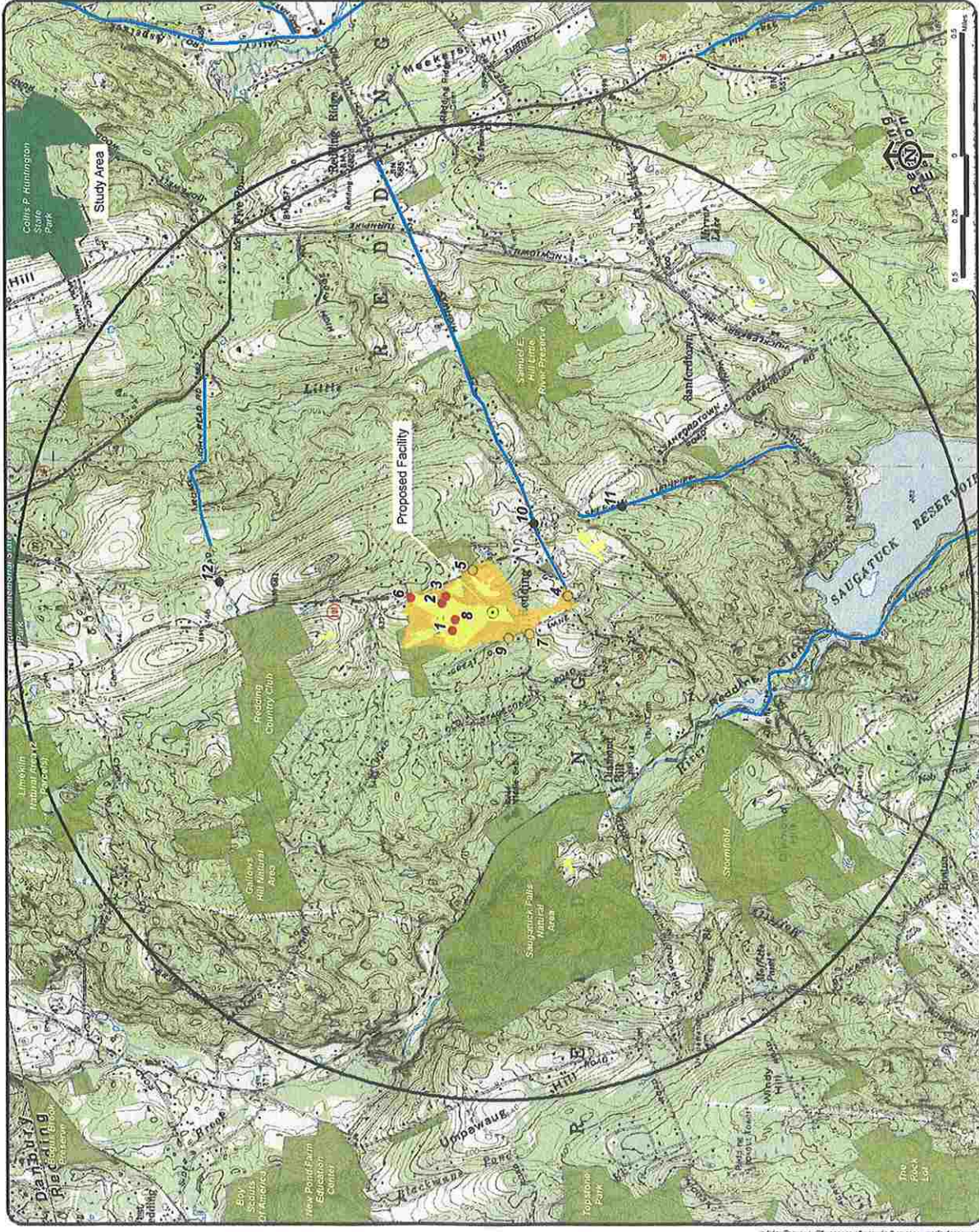
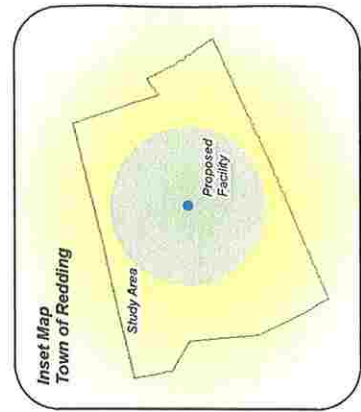
**DATA SOURCES:**

- Digital elevation model (DEM) derived from Connecticut LIDAR-based Digital Elevation Data with a horizontal resolution of 10 feet produced by the University of Connecticut and the Center for Land Use Education and Research (CLEAR); 2007, 2008, digital orthophotos with 1-foot pixel resolution, digitized by VHB, 2008
- Base map compiled by VHB (1984) and Boufford (1984)
- USGS Quadrangle Maps
- Protected municipal and private open space properties and federal protected properties and data layers provided by CT DEP, 1997
- CT DEP's CT Inter-Proprietary Data Layers provided by CT DEP, May 2007
- CT DEP's National Wetlands Inventory provided by CT DEP, 1984
- CT DEP's Roads layer derived from available State and Local listings.
- Scenic Roads layer derived from available State and Local listings.

Map Compiled March, 2010

**Legend**

- Tower Location
- Photographs - January 11, 2009
- Balloon in not visible
- Balloon visible through trees
- Balloon visible above trees
- Year-Round Visibility (Approximately 45 acres)
- Seasonal Visibility (Approximately 56 acres)
- Protected Municipal and Private Open Properties (1997)
- Conservation
- Existing Preserved Open Space
- Recreation
- General Recreation
- School
- Unintegrated
- CT DEP Protected Properties (08)
- State Forest
- State Park
- DEP Owned Waterbody
- State Park Scenic Reserve
- Historic Preserve
- Natural Area Preserve
- Fish Hatchery
- Road Control
- Other
- State Park Trail
- Water Access
- Wetlands
- Wildlife Sanctuary
- Federal Protected Properties (198)
- CT DEP Boat Launches (1996)
- Scenic Road (State and Local)
- Town Line







## Environmental Assessment Statement

### I. PHYSICAL IMPACT

#### A. WATER FLOW AND QUALITY

No water flow and/or water quality changes are anticipated as a result of the construction or operation of the proposed facility. The construction and operation of the tower and related site improvements will have no effect on any off-site watercourses or waterbodies. Best Management Practices to control storm water and soil erosion during construction will be implemented. The equipment associated with the facility will discharge no pollutants to area surface or groundwater systems. Additionally, no impact to any on-site wetlands or intermittent and perennial watercourses are anticipated.

#### B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the proposed facility would emit no air pollutants of any kind. Generators to be used during a power outage would be compliant with applicable emissions standards.

#### C. LAND

Minimal site disturbance is proposed and the areas of site development by AT&T are already associated with the existing development of the site as the Town Garage.

#### D. NOISE

The equipment to be in operation at the facility would not emit noise other than that provided by the operation of the installed heating, air-conditioning and ventilation system. Some construction related noise would be anticipated during facility construction, which is expected to take approximately four to six weeks. Temporary power outages could involve sound from an emergency generator.

#### E. POWER DENSITY

The cumulative worst-case calculation of power density from AT&T's operations at the facility would be 4.36% of the MPE standard. Attached is a copy of AT&T's Power Density Report dated August 16, 2010.

#### F. VISIBILITY

The potential visual impact of the proposed facility was determined by preparation of the attached Visual Resource Evaluation Report. The potential visibility of the proposed monopole was assessed within an approximate two-mile radius using a computer-based, predictive view shed model and in-field visual analysis. As shown in the report and

photosimulations, areas of year-round visibility would be limited to approximately 43 acres of the 8,042 acre study area with a large portion of that being over adjacent public land used as a school and senior center. A small portion of the study area, approximately 56 acres, would have seasonal views of the tower. The majority of the area is screened from views of the tower by topography and vegetation.

## II. SCENIC, NATURAL, HISTORIC & RECREATIONAL VALUES

The parcel on which the facility is located exhibits no scenic, natural, historic or recreational characteristics which are unique. The Connecticut State Historic Preservation Officer (SHPO) has evaluated the proposal and SHPO's no adverse effect determination is included in Attachment 8. As noted therein, despite proximity to the Redding Center National Historic District, SHPO confirmed the low impact of a 180' stealth monopole on the resources in this district. Additionally, the Connecticut Department of Environmental Protection Natural Diversity Database ("NDDB") maps for the proposed site have been reviewed which indicated that there are no nearby threatened or endangered species documented in the vicinity of the project site and accordingly no impacts to any such flora or fauna are anticipated.



February 26, 2010

Mr. Paul Lusitani  
Clough Harbour & Associates  
500 Enterprise Dr. Suite 3A  
Rocky Hill, CT 06067

**RE: Wetland & Watercourse Delineation Report  
28 Great Oak Lane – Redding highway Department  
Redding, Connecticut**

Dear Mr. Lusitani:

BL Companies, Inc. (BL) completed an on-site investigation to determine the presence or absence of wetlands and/or watercourses on the above referenced property at 28 Great Oak Lane, Redding, CT, as requested and authorized. This investigation involved a wetland/watercourse delineation that was completed by a qualified staff soil scientist and conducted in accordance with the principles and practices noted in the United States Department of Agriculture (USDA) Soil Survey Manual (1993). The soil classification system of the National Cooperative Soil Survey was used in this investigation to identify the soil map units present on the project site.

## **INVESTIGATION**

The project site was investigated on February 5, 2010, with a temperature in the mid-30s under partly sunny conditions. Soil types are identified by observing soil morphology (soil texture, color, structure, etc.). To observe the morphology of the soils, numerous test pits and/or hand borings (generally to a depth of at least two feet) are completed. Wetland and watercourse boundaries were identified with flags and hung from vegetation or small wire stakes if in fields or grass communities. These flags are labeled "Wetland Delineation" and generally spaced a maximum of approximately 50 feet apart. It is important to note that flagged wetland and watercourse boundaries are subject to change until verified by local, state, or federal regulatory agencies.

## **REGULATORY INFORMATION**

Wetlands and watercourses are regulated by both state and federal law each with different definitions and regulatory requirements. Accordingly, the State may regulate waters that fall outside of federal jurisdiction; however, where federal jurisdiction exists concurrent State jurisdiction is almost always present.

### **State Regulation**

*Wetland* determinations are based on the presence of poorly drained, very poorly drained, alluvial, or floodplain soils and submerged land. *Watercourses* are defined as "rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private, which are contained within, flow through or border upon the state or any

355 Research Parkway Meriden, CT 06450 Tel. (203) 630-1406 Fax (203) 630-2615 Toll Free (800) 301-3077

portion thereof." *Intermittent watercourse* determinations are made based on the presence of a defined permanent channel and bank, and two of the following characteristics: (1) evidence of scour or deposits of recent alluvium or detritus, (2) the presence of standing or flowing water for a duration longer than a particular storm incident, and (3) the presence of hydrophytic vegetation. (See Inland Wetlands and Watercourses Act §22a-38 CGS.)

## WETLAND AND WATERCOURSE SITE DESCRIPTION

Wetland classifications used to identify the type of wetland(s) occurring on the project site are based on guidance from the U.S. Fish and Wildlife Service (USFWS) (Cowardin et.al. 1979). These are further qualified with the Hydrogeomorphic Method of wetland classification (Brinson, 1993).

### Wetland Description

Two on-site wetlands were delineated during site visit. Wetland 1 consisted of a disturbed palustrine emergent wetland (USFWS class: PEM), including a small intermittent watercourse flowing in a westerly direction and consisting of aquatic poorly drained disturbed wetland soils. The wetland was delineated using sequentially numbered flags 1 through 10 with open ends on each end (See Figure 1 – Wetland Sketch Map). Wetland 1 is situated on the westerly portion of the site at the base of a fill slope. A headwall defines the easterly-delineated limit as surface water flows through the narrow wetland fringe offsite to the west. Limit vegetation occurs in this area and is primarily an emergent (herbaceous) cover type consisting of landscape grasses, sedge, rush, and a colony of invasive common reed (*Phragmites australis*).

Wetland 2 consisted of a riverine upper perennial watercourse dominated by broad-leaved deciduous forested canopy (USFWS class: R3UB1). The watercourse channel is situated within a steep rocky bank and consists of the Ridgebury complex poorly drained wetland soils. This wetland was flagged using sequentially numbered flags 20 through 29 and is an open-ended line. The watercourse flows onto the site from the north and continues in a southwesterly direction toward Great Oak Road.

Based upon the locations of the wetland and watercourse resources compared with the proposed tower location, we do not anticipate any adverse impacts to these natural resource areas.

**TABLE 1:** Predominate Vegetation within and adjacent to the wetlands (Common (*Scientific*) names)

#### **TREES & SAPLINGS**

Black birch (*Betula lenta*)  
Black cherry (*Prunus serotina*)  
Green ash (*Fraxinus pennsylvanica*)  
Pin oak (*Quercus palustris*)  
Red maple (*Acer rubrum*)  
Red oak (*Quercus rubra*)  
Staghorn Sumac (*Rhus typhina*)  
Tulip (*Liriodendron tulipifera*)  
White pine (*Pinus strobus*)

#### **SHRUBS**

Arrowwood (*Viburnum dentatum*)  
Highbush blueberry (*Vaccinium corymbosum*)  
Japanese barberry (*Berberis thunbergii*)\*  
Maple leaf viburnum (*Viburnum acerfolium*)  
Multiflora rose (*Rosa multiflora*)\*  
Winged euonymus (*Euonymus alata*)\*

**HERBS/VINES (persistent over winter stems)**

Black Raspberry (*Rubus occidentalis*)  
Common black raspberry (*Rubus allegheniensis*)  
Common reed (*Phragmites australis*)  
Hay-scented fern (*Dennstaedtia punctilobula*)  
Japanese honeysuckle (*Lonicera japonica*)\*  
Poison ivy (*Toxicodendron radicans*)  
Tussock sedge (*Carex stricta*)  
Virginia creeper (*Parthenocissus quinquefolia*)

\*Denotes State non-native invasive species

**SOIL MAP TYPES**

A brief description of each soil map unit identified on the project site is presented below including information from the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) soil descriptions. Further information on these and other soils, please refer to the internet site at <http://soils.usda.gov/technical/classification/osd/index.html>.

**Upland Soils**

**Paxton and Montauk (47C) fine sandy loams 8-15%, 15-25% slopes**

The Paxton series consists of well-drained loamy soils formed in glacial till. The soils are very deep to bedrock and moderately deep to a densic contact. Paxton soils are nearly level to steep and are on till plains, hills, and drumlins. Slope commonly is 0 to 35 percent but ranges from 0 to 45 percent in some pedons. The soils formed in acid subglacial till derived mostly from schist, gneiss, and granite. Diagnostic horizons and features include an ochric epipedon from 0 to 8 inches (Ap horizon), a cambic horizon from 8 to 26 inches (Bw horizon) and includes dense till material from 26 to 65 inches (Cd horizon).

**Udorthents (306) smoothed (variable fill material)**

This unit consists of areas that have been altered by cutting or filling. Slopes are mainly 0 to 25 percent. The material in these areas is mostly loamy, and in the filled areas it is more than 20 inches thick. Some of the filled areas are on flood plains, in tidal marshes, and on areas of poorly drained and very poorly drained soils. Included with this unit in mapping are small areas of soils that have not been cut or filled. Also included are a few larger urbanized areas and a few small areas containing material such as logs, tree stumps, concrete, and industrial wastes. A few areas have exposed bedrock. Included areas make up about 30 percent of this map unit. The properties and characteristics of this unit are variable, and the unit requires onsite investigation and evaluation for most uses. This unit is not assigned to a capability subclass.

**Ur—Urban land (307)**

This unit consists of areas where urban structures cover more than 85 percent of the surface. Examples of such structures are roads, parking lots, shopping and business centers, and industrial parks. Most areas are in the towns of Bridgeport, Danbury, Fairfield, Norwalk, Shelton, Stamford, and Stratford. The areas are commonly rectangular and range from 5 to 500 acres. Slopes range from 0 to 8 percent but are dominantly less than 5 percent. Included with this unit in mapping are small areas of Udorthents and areas of excessively drained Hinckley soils; somewhat excessively drained Hollis soils; well-drained Agawam, Charlton, and Paxton soils; and moderately well drained Ninigret and Sutton soils. Included areas make up about 15 percent of this map unit. This unit requires onsite investigation and evaluation for most uses.

### **Woodbridge (47C) fine sandy loam**

The Woodbridge series consists of moderately well drained loamy soils formed in subglacial till. They are very deep to bedrock and moderately deep to a densic contact. They are nearly level to moderately steep soils on till plains, hills, and drumlins. Slope ranges from 0 to 25 percent. The soils formed in acid till derived mostly from schist, gneiss, and granite. Diagnostic horizons include an ochric epipedon from 0 to 7 inches (Ap horizon), and a cambic horizon from 7 to 30 inches (Bw horizons). Aquic features (low chroma iron depletions) may occur within a 24-inch depth (Bw2 horizon).

### **Wetland Soils**

#### **Aquents (Aq) Udorthents periodically flooded (310)**

This soil type consists of areas that generally have been altered by excavations or other disturbance to the soil diagnostic horizons rendering the top 20 inches or more no longer discernable. The material in these areas is variable depending on the disturbance that created this unit. Some of these areas occur in uplands or on flood plains, in tidal marshes, and within areas of poorly drained and very poorly drained soils. Included with this unit in mapping may be small areas of soils that have not been cut or filled.

#### **Ridgebury Complex (3) fine sandy loam**

##### **Ridgebury Soil**

The Ridgebury complex is a very deep poorly drained soil that includes poorly drained Leicester, and very poorly drained Whitman soils formed in till derived mainly from granite, gneiss and schist. Ridgebury soils on the landscape are in slightly concave areas and shallow drainageways of till uplands with slopes that range from 0-8 percent. Depth to the perched seasonal high water table from November to May, or longer, is perched above the densic materials. The soils diagnostic horizons include an ochric epipedon (0 to 5 inches (A horizon)), aeric feature 100 percent of the zone from 5 to 9 inches (Bw1 horizon), and a cambic horizon (5 to 18 inches (Bw and Bg horizons)). Densic contact root limiting material begins at 18 inches (Cd). Endosaturation occurs within the zone from 9 to 18 inches and is saturated above the densic contact (Bw2 horizon).

##### **Leicester Soils**

The Leicester series consists of very deep, poorly drained loamy soils formed in friable till. They are nearly level or gently sloping soils in drainage ways and low-lying positions on hills. Slope ranges from 0 to 8 percent. Permeability is moderate or moderately rapid in the surface layer and subsoil and moderate to rapid in the substratum. The horizons and features recognized in this pedon are an ochric epipedon in the zone from 1 to 7 inches (A horizon) and a cambic horizon in the zone from 7 to 23 inches (Bg and BC horizons). There is also an aquic moisture regime as indicated by chroma of 2 in Bg horizon but with chroma too high within 30 inches (chroma 3 in BC horizon) to qualify for Typic Endoaquepts. This series also contains an endoaquepts subgroup based on saturation to a depth of 200 cm from the mineral soil surface. There is an aeric great group based on matrix color and a chroma of 3 or more in one subhorizon between the Ap and 75 cm. (BC horizon) and the particle-size class in control section ranges from 10 to 40 inches and is considered coarse loamy type of soil.

##### **Whitman Soils**

The Whitman series consists of very deep, very poorly drained soils formed in glacial till derived mainly from granite, gneiss, and schist. They are shallow to a densic contact. These soils are nearly level or gently sloping soils in depressions and drainageways on uplands. Permeability is moderate or moderately rapid in the solum and slow or very slow in the substratum. The diagnostic horizons and features in this pedon include an umbric epipedon in the zone from the soil surface to a depth of 10 inches (Ap horizon) and a cambic horizon in the zone from 10 to 18

inches (Bg horizon). This soil also has aquic conditions as evidenced by a chroma of 1 in the Bg horizon. A densic contact is also present with the root limiting layer beginning at 18 inches. Whitman soils are considered to have a shallow depth class because the depth to the densic contact is less than 20 inches (Cd1 is at 18 inches).

## REFERENCES

1. Brinson, M.M. 1993. *A Hydrogeomorphic Classification for Wetlands*. Tech. Rpt.WRP-DE-4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
2. Cowardin, L.M., V. Carter, F.C. Golet, E.T. LaRoe. 1979. *Classification of Wetland and Deepwater Habitats of the United States*. US Government Printing Office. Washington D.C. GPO 024-010-00524-6. 103 pp.

## CLOSING

With the appropriate soil erosion and sedimentation controls in place, there would be no anticipated negative impacts to any wetland/watercourse resources as a result of the project.

Thank for the opportunity to work with you on this project. Please contact me at 800-301-3077 Ext.2552 if you have any questions or require additional assistance.

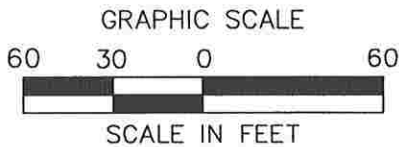
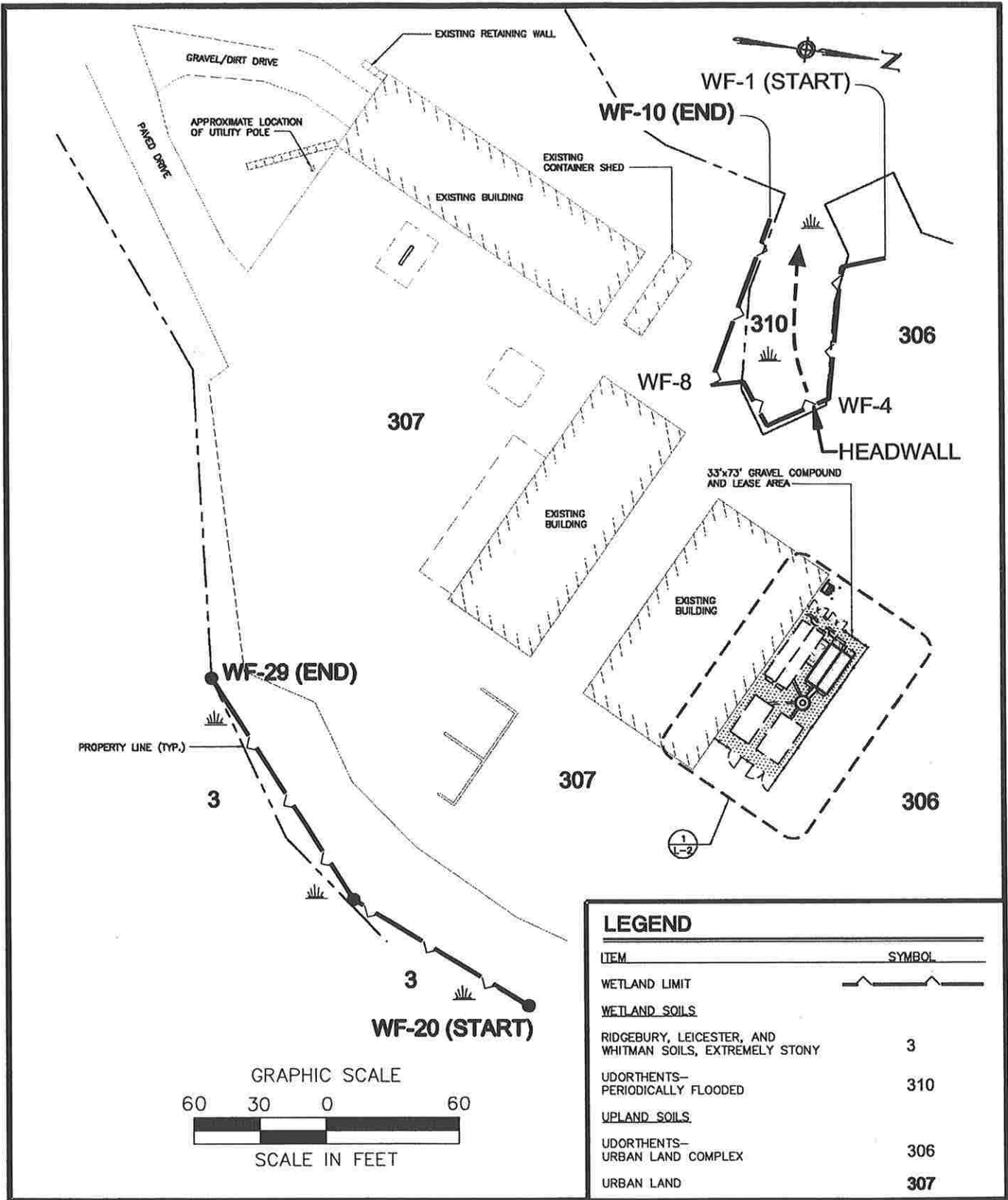
Very truly yours,



Jeffrey R. Shamas, CE, PWS, PSS  
Northeast Regional Manager/  
Environmental Resources Group

Enclosures





LEGEND	
ITEM	SYMBOL
WETLAND LIMIT	
WETLAND SOILS	
RIDGEBURY, LEICESTER, AND WHITMAN SOILS, EXTREMELY STONY	3
UDORTHENTS—PERIODICALLY FLOODED	310
UPLAND SOILS	
UDORTHENTS—URBAN LAND COMPLEX	306
URBAN LAND	307



**WETLAND DELINEATION SKETCH MAP**  
 REDDING HIGHWAY DEPARTMENT  
 28 GREAT OAK ROAD  
 REDDING, CT

Designed J.S.  
 Drawn W.E.V.  
 Checked  
 Approved  
 Scale 1"=60'  
 Project No. 10L2210  
 Date 02/24/10  
 CAD File WD10L221001

**WD-1**

## TOWAIR Determination Results

### \*\*\* NOTICE \*\*\*

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

<b>DETERMINATION Results</b>	
<b>Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.</b>	
<b>Your Specifications</b>	
<b>NAD83 Coordinates</b>	
Latitude	41-18-24.5 north
Longitude	073-23-10.6 west
<b>Measurements (Feet)</b>	
Overall Structure Height (AGL)	180
Support Structure Height (AGL)	180
Site Elevation (AMSL)	588
<b>Structure Type</b>	
TOWER - Free standing or Guyed Structure used for Communications Purposes	

### **Tower Construction Notifications**

Notify Tribes and Historic Preservation Officers of your plans to build a tower.

**CLOSE WINDOW**



## FAA 1-A SURVEY CERTIFICATION

**Applicant:** AT&T Mobility  
**Site Name:** Redding Highway Department  
**Site Address:** 28 Great Oak Lane  
Redding, Connecticut

**Source of Coordinates:**  GPS survey  Ground survey

**Vertical Datum:** NGVD 1929 (AMSL)  GPS survey  Ground survey

**Structure Type:**  New Tower  Existing Tower  Roof Top  
 Water Tank  Smoke Stack  Other

**Latitude:** (NAD 83) 41° 18' 24.58" (NAD 27) 41° 18' 24.24"

**Longitude:** (NAD 83) 73° 23' 10.63" (NAD 27) 73° 23' 12.20"

**Ground Elevation:** 588 AMSL Elevation (in feet)

**Certification:** I certify that the latitude and longitude are accurate to within +/- 15 feet horizontally, and that the ground elevation is accurate to within +/- 3 feet vertically. The horizontal datum (coordinates) are expressed in degrees, minutes, seconds and tenths of seconds. The vertical datum (heights) is expressed in terms of feet.

**Company:** URS Corporation AES

**Surveyor Signature/Seal:**   
Michael G. Wilmes L.S. 14206

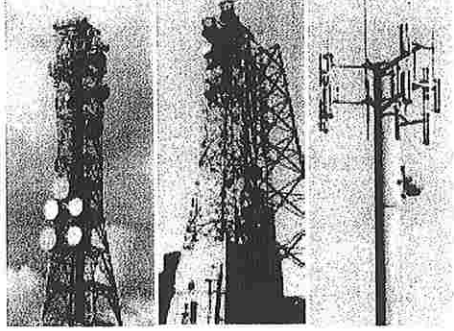
**Date:** January 27, 2009

36924697



URS Corporation  
500 Enterprise Drive, Suite 3B  
Rocky Hill, CT 06067  
Tel: 860.529.8882  
Fax: 860.529.3991





## NEPA Environmental Effects Checklist

**Redding Highway Department #943**  
28 Great Oak Lane  
Redding, CT 06896  
*Fairfield County*

THE  
**OTTERY GROUP**  
ARCHEOLOGY, HISTORIC PRESERVATION,  
AND THE ENVIRONMENTAL SCIENCES



*Prepared for:*

**AT&T**  
500 Enterprise Drive, 3<sup>rd</sup> Floor  
Rocky Hill, CT 06067

*Prepared by:*

**The Ottery Group**  
3420 Morningwood Drive  
Olney, MD 20832

June 2010

## NEPA Checklist Guidelines

SITE: Redding Highway Department

Approximate Structure Height: 180 feet

Site antenna(s) are to be: top mounted   X   side mounted       

\*Categorize all compliance/audit sites according to their pre-build status.

**A. If your site has been previously reviewed and is in compliance, no NEPA approval memo is needed for the following changes:**

1. ERP reduction, antenna change outs that do not increase the gain, orientation change, lighting change, removal of non-operating antennas, address changes.

**B. Only RF emissions review is required on the NEPA Checklist when:**

2. Minor modification which will affect the RF (Adding a BTS, larger gain/size antenna).
3. Major or minor modifications to an Antenna Farm (previously determined by EPA Group).
4. Temporary/Special events sites (COWS) (temporary crane testing does not require RF review).

**C. Age verification of the building and RF is required when:**

5. All facilities are completely located within a building including antennas.

Historic viewshed issues cannot apply for antennas wholly contained in a building. If the building is over 45 years of age, a historian must review the building to determine if the building is eligible to be listed on the National Register of Historic Places.

**D. For LEASED structures the requirements specified on the Limited/Short Form, in either box 2A,B,C; or 3A,B,C, or 4A,B,C, is the criteria established to determine when only Historical and RF verification is required:**

6. *No additional* Historical NEPA review will be required for minor modifications covered under the specifics of the FCC's Programmatic Agreement (PA) (see the Programmatic Agreement)
7. The minor modifications include: structure height increases that are **less than** 10%; or addition of platforms that **would not** protrude beyond 20'; and **additional excavation outside** the current tower site is not involved. (See NEPA Short Form)
8. *Additional* Historic NEPA review will be required for major modifications or **substantial** changes to structures not covered by the PA (i.e., tower height increase of 10% or more).
9. Major or minor modifications to a structure considered to be part of an existing Antenna Farm (previously determined by FCC Group)
10. *Additional* Historic NEPA review will be required for any existing man-made structure such as buildings, water tanks, billboards, flag poles, etc. (man-made= any structure not originally designed to carry telecommunication antennas) *when*: the building is 45 years or older; is a historic location or within an historic district, or is eligible for listing. (See the Programmatic Agreement)

Other available resources that can be used to show no impact to historical:

- Database search/Photos /Site plot on a map
- Site visit/qualified consultant
- Previous SHPO "No effect" or "No adverse effect" finding
- Current SHPO "No Effect" or "No Adverse Effect" finding (required for major modifications)
- Age of the building (If the building is over 45 years of age, a historian must review the building to determine if the building is eligible to be listed on the National Register.)

**E. For OWNED structures: the Owned NEPA Review Form should be used for :**

11. A minor modification, including structure height increases that are **less than** 10%; or addition of platforms that **would not** protrude beyond 20'; and **additional excavation not involved outside** the current tower site, and modifications for a site previously in compliance.
12. Full NEPA Documentation is required for new tower construction
13. Full NEPA Documentation is required to modify and existing owned site without a previous full NEPA review on file (Audit)

Current research to document "No Effect"

- |   |                             |
|---|-----------------------------|
| - FEMA  | - Wetlands, Water, Forest   |
| - Critical Habitat                                  | - Wilderness                |
| - USFWS (federal)                                   | - State DNR                 |
| - Historical/Native American                        | - Eligibility (local check) |
| - Native American Religious Sites (new builds only) |                             |

DOES THIS SITE NEED AN EA?                   

08/01

## OWNED NEPA REVIEW

All holdings and affiliates of Cingular Wireless (including affiliated tower companies) must complete this form for all new site construction and/or site modifications to owned structures.

### PROJECT INFORMATION

FCC Mkt. <u>Bridgeport, CT MSA</u>	Type of Structure/Tower: <u>stealth monopole</u>	<input type="checkbox"/> SpectraSite managed site ID# _____
Site ID: <u>943</u>	Site Name: <u>Redding Highway Department</u>	<input type="checkbox"/> Crown managed site BU# _____
Type of Action: <input checked="" type="checkbox"/> New Tower Construction (FULL NEPA required) <input type="checkbox"/> Audit/Compliance <input type="checkbox"/> Temp (COW, Calf, etc.) <sup>1</sup> EA Required? _____ <input type="checkbox"/> Modification		
Compliance NEPA on file with FCC Group <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Will this involve: <input checked="" type="checkbox"/> Top mounting <input type="checkbox"/> Side mounting		
<i>Explain what you will be doing at the site?</i> This checklist is submitted for the construction of a 180-foot stealth monopole and the installation of associated equipment within a 33x73-foot compound at the rear of the Redding Highway Department facility. Access to the site location is via an existing driveway and parking lot.		
<i>Location of Action (address, city, county, state):</i> 28 Great Oak Lane, Redding, CT 06896 (Fairfield County)		

**ITEMS 1 - 9 MUST BE FILLED OUT FOR A COMPLETE (FULL) NEPA REVIEW**  
**ITEMS 9 - 11 (and top portion of page 1) FOR A LIMITED (SHORT) NEPA REVIEW**  
**Market coordinator must sign/certify checklist.**

1. Is the facility located in an officially designated wilderness area? [47 CFR 1.1307 (a)(1)]  
 Yes  No If so, describe the area, its location and source of the information.
2. Is the facility located in an officially designated wildlife preserve? [47 CFR 1.1307 (a)(2)]  
 Yes  No If so, describe the preserve, its location and source of information.
3. Will the facility: (i) affect listed threatened or endangered species or designated critical habitats; or (ii) jeopardize the continued existence of any proposed endangered or threatened species; or is it likely to result in the destruction or adverse modification of proposed critical habitats, as determined by the Secretary of the Interior pursuant to the Endangered Species Act of 1973. [47 CFR 1.1307 (a)(3)]  
 Yes  No If so, describe the species, critical habitat, location, and source of the information.
4. Will the facility be located in, on, or within the viewshed of a building, site, district, structure or object, significant in American history, architecture, archeology, engineering or culture, that is listed, or eligible for listing on the State or National Registers of Historic Places? [47 CFR 1.1307 (a)(4)]  
 Yes  No
5. Will the facility affect an Indian religious site? [47 CFR 1.1307 (a)(5)]  
Original Letter: \_\_\_\_\_ Follow-up Letter: \_\_\_\_\_  
 Yes  No  N/A If so, describe the source of the information.
6. Will the facility be located in a "floodplain"? [47 CFR 1.1307 (a)(6)]  
 Yes  No If so, describe the floodplain, its location, and source of the information.
7. Will the construction of the facility involve significant change in surface features (e.g. wetland fill, deforestation, or water diversion)? [47 CFR 1.1307 (a)(7)]  
 Yes  No If so, describe the surface feature, its location, and source of the information.
8. Will the facility be equipped with high intensity white lights which are to be located in a residential neighborhood, as defined by the local zoning law? [47 CFR 1.1307 (a)(8)]  
 Yes  No

<sup>1</sup> Grounding is the only alteration to the physical environment that is acceptable. First choice for grounding should be to an existing utility pole.

**RF EMISSION VERIFICATION:**

**9A. Cellular Sites** – providing Cellular Radiotelephone Services within the meaning of 47 CFR Part 22, Subpart H, do either of the following apply (See A & B below): [47 CFR 1.1307 (b)]  Yes  No

- A. non-building-mounted antennas: height above ground level to lowest point of antenna less than 10mtrs. (30 ft.); **and** the total power of all channels is greater than 1,000 watts ERP\*; **or**
- B. for building-mounted antennas: the total power of all channels is greater than 1,000 watts ERP.\*

**9B. PCS Sites**

- 1) providing Broadband PCS services within the meaning of 47 CFR Part 24, Subpart E, do either of the following apply (See A & C below): [47 CFR 1.1307 (b)]  Yes  No
- 2) providing Narrowband PCS services within the meaning of 47 CFR Part 24, Subpart D, do either of the following apply (See B & C below): [47 CFR 1.1307 (b)]  Yes  No
  - A) for non-building-mounted antennas: height above ground level to lowest point of antenna less than 10mtrs. (30 ft); **and** the total power of all channels is greater than 2,000 watts ERP\*; **or**
  - B) for non-building-mounted antennas: height above ground level to lowest point of antenna less than 10mtrs. (30 ft.); **and** the total power of all channels is greater than 1,000 watts ERP\*; **or**
  - C) for building-mounted antennas: the total power of all channels is greater than 2,000 watts ERP.\*

**9C. Microwave Sites** – Exceeds the exposure limits identified in Table 1 of 1.1310 when the equipment is in close proximity of the public.  Yes  No  N/A

**9D. Paging and Radiotelephone Service Sites** within the meaning of 47 CFR Part 90, does either of the following apply (See A & B below): [47 CFR 1.1307 (b)]  Yes  No

- A) for non-building-mounted antennas: height above ground level to lowest point of antenna less than 10 mtrs. (30 ft) **and** total power of all channels greater than 1,000 watts ERP\*; **or**
- B) for building-mounted antennas: the total power of all channels is greater than 1,000 watts ERP.\*

*\*In the section above, the term "total power of all channels" means the sum of all co-located simultaneously operating transmitters owned and operated by a single licensee. For facilities using sectored antennas, this rule is applied separately for each sector.*

**REQUIRES SIGNATURE OF RF ENGINEER OR NETWORK DEPLOYMENT MANAGER**

The undersigned certifies that this site will be modified/constructed in compliance with the RF exposure regulations mandated by the FCC with regard to the general public. The FCC and Cingular guidelines regarding Maximum Permissible Exposure will not be exceeded as a result of activating this site. The undersigned is accountable for any mitigating activities, including and not limited to RF survey and posting proper signage, if required.

\_\_\_\_\_  
Signature of RF Engineer

\_\_\_\_\_  
Date

**The undersigned has completed this Checklist as part of an environmental impacts analysis for the possible development of a tract of land and certifies that the answers contained herein are truthful and accurate to the best of the undersigned's knowledge after reasonable investigation.**

\*\* Name of Consulting Firm and Signature:

Consultant

*Lyle C. T. G.*

\_\_\_\_\_  
The Ottery Group

\_\_\_\_\_  
June 15, 2010

\_\_\_\_\_  
Date

Market Representative:

\_\_\_\_\_  
Date:

\*\* A consultant's signature on the form is optional



**NEPA ENVIRONMENTAL AFFECTS CHECKLIST SOURCE INFORMATION FORM**

<b>Site Name:</b> Redding Highway Department	<b>Site No.:</b> 943	<b>Initials:</b> MSF	<b>Date:</b> June 15, 2010
--	----------------------	----------------------	----------------------------

1. Is the site located in an officially designated wilderness area?

*Information Source*

Review of USGS topographic map and street atlas; review of Connecticut DEP NDDB maps.

2. Is the site located in an officially designated wildlife preserve?

*Information Source*

Review of USGS topographic map and street atlas; review of Connecticut DEP NDDB maps.

3. Will the facility affect listed threatened or endangered species or designated critical habitats?

*Information Source*

Review of USGS topographic map and street atlas; review of Connecticut DEP NDDB maps; consultation with the New England Field Office of the USFWS and the Bureau of Natural Resources of the CT DEP, as necessary.

4. Will the facility be located in, on, or within the viewshed of a building, site, district, structure or object, significant in American history, architecture, archeology, engineering or culture, that is listed, or eligible for listing on the State or National Registers of Historic Places?

*Information Source*

Review of Nationwide Programmatic Agreement of 10/5/04, review of NRIS data; review of SHRI data; consultation with the Connecticut SHPO.

5. Will the facility affect an Indian religious site?

*Information Source*

Consultation with Native American Tribal organizations as defined by TCNS (conducted by AT&T).

6. Is the site located on a "floodplain"?

*Information Source*

Review of current FIRM data.

7. Will construction involve significant change in surface features (impacts to wetlands, deforestation, water diversion, etc.)?

*Information Source*

Review of USGS topographic map; review of current NWI data; review of USDA soil survey; review of current aerial photographs of site location and the surrounding area.

Site Name: Redding Highway Department  
Client Name: AT&T Mobility

### TOWER SITE EVALUATION FORM

1. Location (Provide maps if possible): 28 Great Oak Lane, Redding  
State: CT County: Fairfield Lat/Long/GPS: 41-18-24.43 (N) 73-23-10.69 (W)

City and Highway Direction (2 miles W on Hwy 20, etc.):

At the rear of the Redding Highway Department facility, on the east side of Great Oak Lane, north of the intersection with Hill Road.

2. Elevation above mean sea level: 605 feet amsl
3. Will the equipment be co-located on an existing **FCC licensed** tower or other existing structure (building, billboard, etc.)? (y/n) N If yes, type of structure:  
If yes, no further information is required.
4. If no, provide proposed specifications for new tower:  
Height: 180 ft. Construction type (lattice, monopole, etc.): stealth monopole  
Guy-wired? (y/n) N No. Bands: \_\_\_\_\_ Total No. Wires:  
Lighting (Security & Aviation): N

If tower will be lighted or guy-wired, complete items 5-19. If not, complete only items 19 and 20.

5. Area of tower footprint in acres or square feet: \_\_\_\_\_
6. Length and width of access road in feet: \_\_\_\_\_
7. General description of terrain - mountainous, rolling hills, flat to undulating, etc. Photographs of the site and surrounding area are beneficial:
8. Meteorological conditions (incidence of fog, low ceilings, etc.):
9. Soil type(s):
10. Habitat types and land use on and adjacent to the site, by acreage and percentage of total:
11. Dominant vegetative species in each habitat type:
12. Average diameter breast height of dominant tree species in forested areas:

Site Name: Redding Highway Department  
Client Name: AT&T Mobility

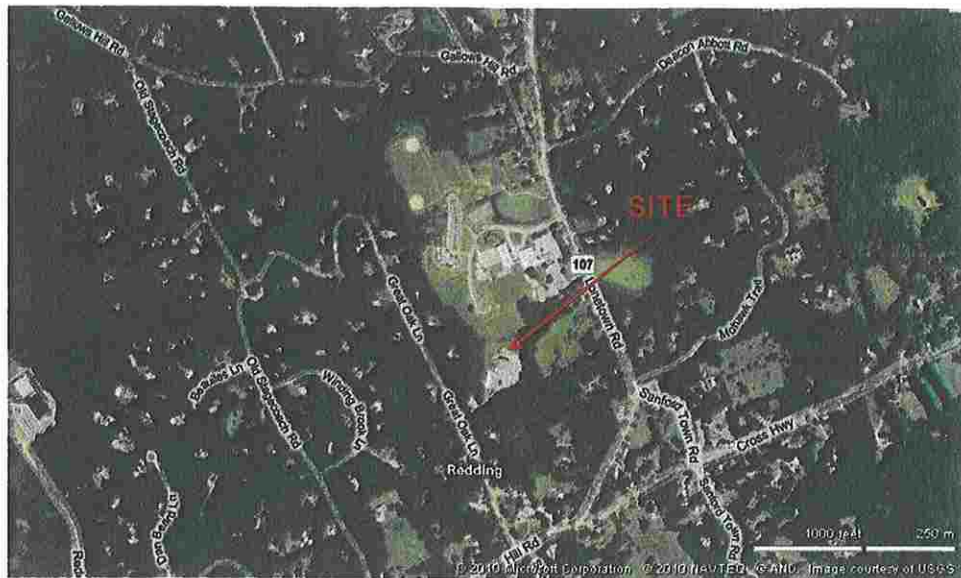
13. Will construction at this site cause fragmentation of a larger block of habitat into two or more smaller blocks? (y/n)\_\_\_\_\_ If yes, describe:
14. Is evidence of bird roosts or rookeries present? (y/n)\_\_\_\_\_ If yes, describe:
15. Distance to nearest wetland area (forested swamp, marsh, riparian, marine, etc.), and coastline if applicable:
16. Distance to nearest telecommunications tower:\_\_\_\_\_.
17. Potential for co-location of antennas on existing towers or other structures:\_\_\_\_\_.
18. Have measures been incorporated for minimizing impacts to migratory birds? (y/n)\_\_\_\_\_ If yes, describe:
19. Has an evaluation been made to determine if the proposed facility may affect listed or proposed endangered or threatened species or their habitats as required by FCC regulation at 47 CFR 1.1307(a)(3)? (y/n) N If yes, present findings:

The footprint of the planned telecommunications facility is on a gravel parking lot. The site location is not within an area of concern on the *State and Federal Listed Species and Natural Communities Map* (CT Natural Diversity Database). No biological field survey has been conducted at this time.

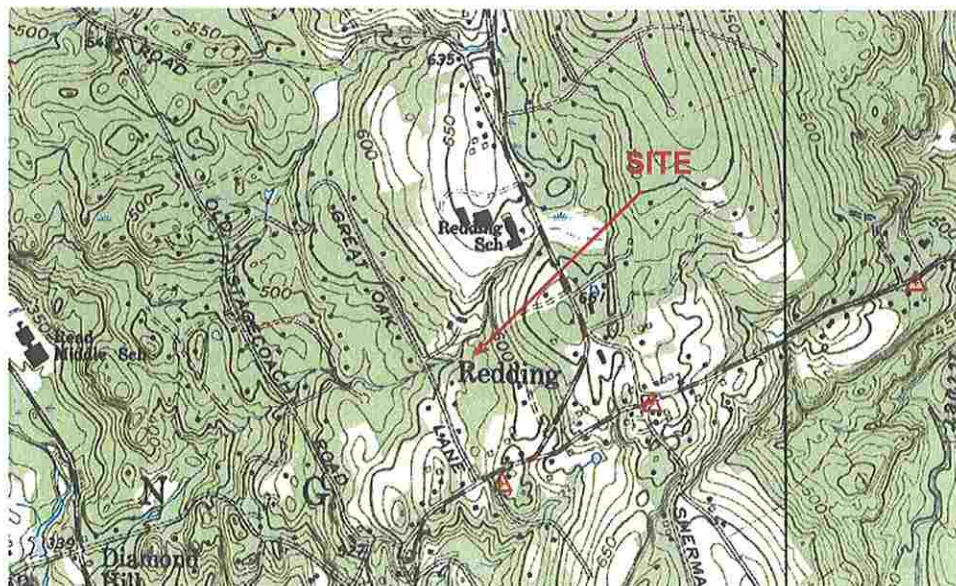
20. Additional information required:

The undertaking consists of the construction of a telecommunications facility. The proposed facility will consist of a 180-foot stealth monopole and associated equipment contained within a 33x73-foot fenced compound. The planned undertaking will not involve construction of an access road; an existing driveway and parking lot on the Redding Highway Department property will serve the facility. Utility connections currently exist on the subject property; telco and power connections will be made to serve the proposed facility. No other construction-related activities are anticipated. Site plans are attached.

Site Name: Redding Highway Department  
Client Name: AT&T Mobility



Aerial Photograph of the Project Area



Bethel (CT) USGS Topographic Map of the Project Area

Site Name: Redding Highway Department  
Client Name: AT&T Mobility

Photo 1:

View of the proposed site location behind the salt and sand storage garage.

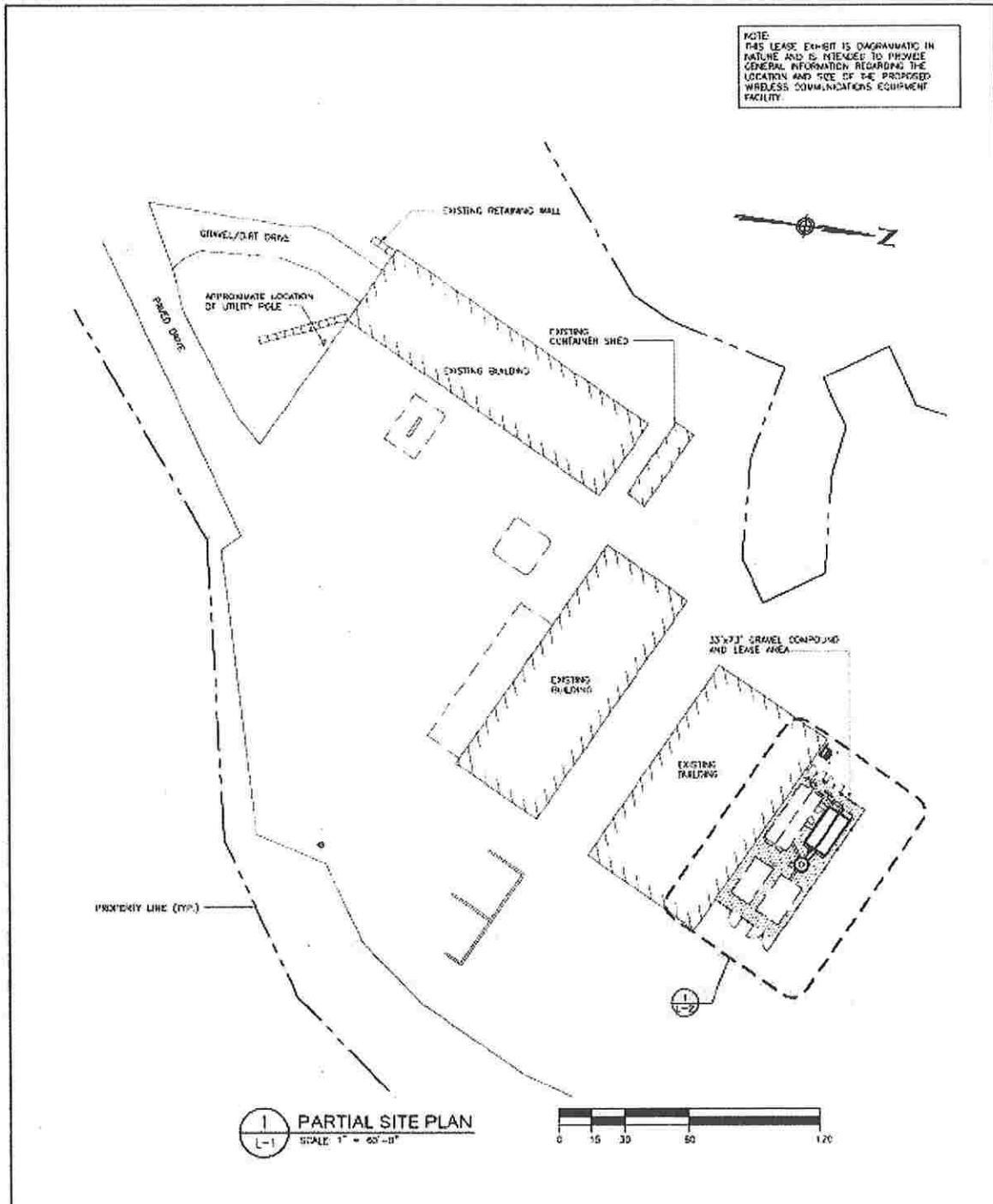


Photo 2:

View of the ground surface at the proposed site location.

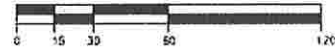


Site Name: Redding Highway Department  
 Client Name: AT&T Mobility



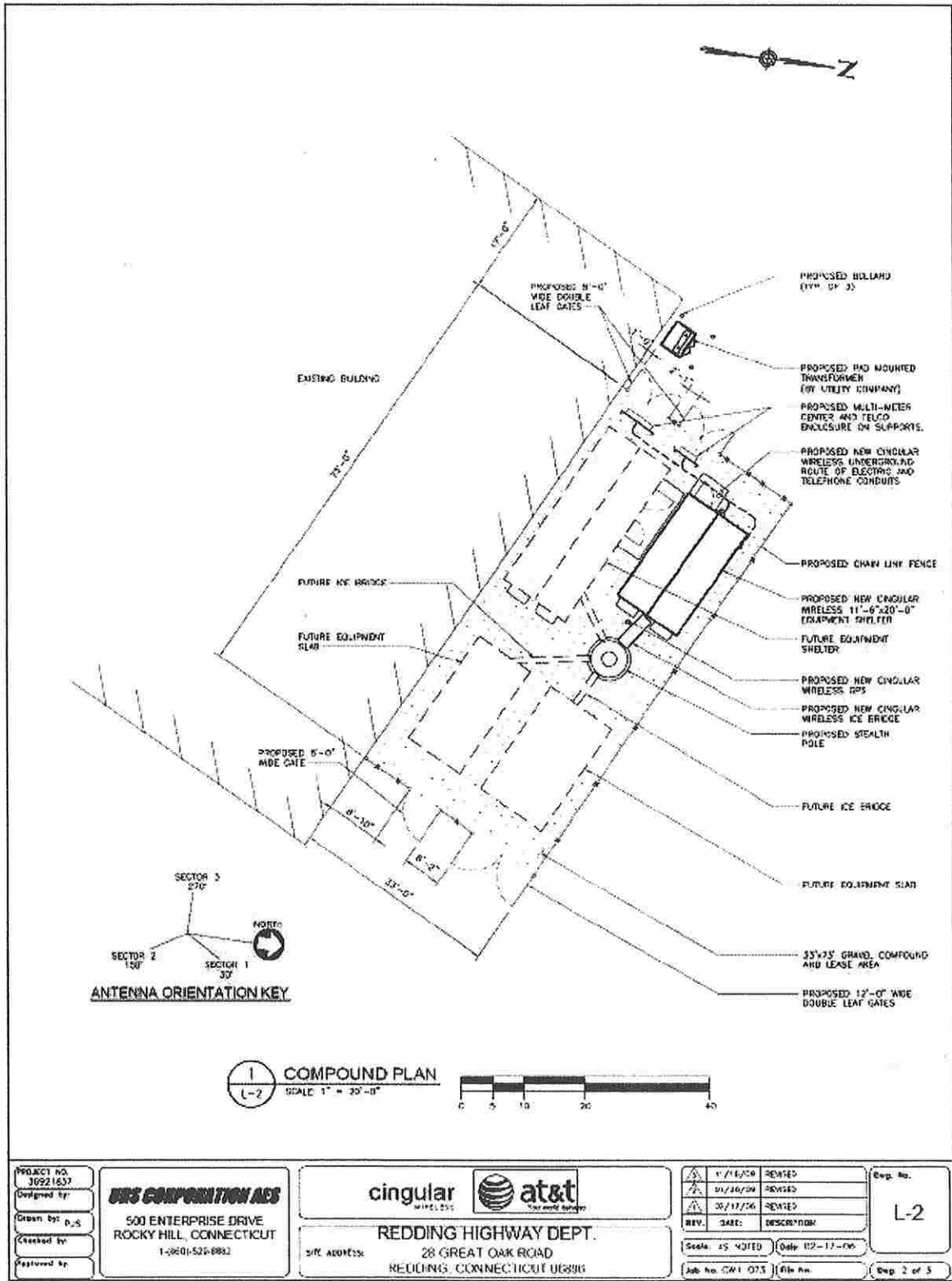
NOTE:  
 THIS LEASE EXHIBIT IS DIAGNOSTIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATIONS EQUIPMENT FACILITY.

1 PARTIAL SITE PLAN  
 L-1 SCALE 1" = 60'-0"



PROJECT NO. 10521657 Designed by: <b>URS CORPORATION ACS</b> Drawn by: PLS Checked by: Approved by:	<b>URS CORPORATION ACS</b> 500 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT 1-800-521-0882	<b>cingular</b> <small>WIRELESS</small> <b>at&amp;t</b> <small>THE WORLD'S MOST RELIABLE</small> <b>REDDING HIGHWAY DEPT.</b> 28 GREAT OAK ROAD REDDING, CONNECTICUT 06886 SITE ADDRESS:	<table border="1"> <tr> <td>11/16/06</td> <td>REVISED</td> </tr> <tr> <td>01/26/07</td> <td>REVISED</td> </tr> <tr> <td>02/17/06</td> <td>REVISED</td> </tr> <tr> <td>REV.</td> <td>DATE</td> <td>DESCRIPTION</td> </tr> <tr> <td>Scale: AS NOTED</td> <td>Date: 02-17-06</td> <td></td> </tr> <tr> <td>Job No. CW1 075</td> <td>File No.</td> <td>Page 1 of 3</td> </tr> </table>	11/16/06	REVISED	01/26/07	REVISED	02/17/06	REVISED	REV.	DATE	DESCRIPTION	Scale: AS NOTED	Date: 02-17-06		Job No. CW1 075	File No.	Page 1 of 3	Exp. No. L-1
11/16/06	REVISED																		
01/26/07	REVISED																		
02/17/06	REVISED																		
REV.	DATE	DESCRIPTION																	
Scale: AS NOTED	Date: 02-17-06																		
Job No. CW1 075	File No.	Page 1 of 3																	

Site Name: Redding Highway Department  
 Client Name: AT&T Mobility



PROJECT NO.  
10921637  
 Designed by  
 Drawn by P.S  
 Checked by  
 Approved by

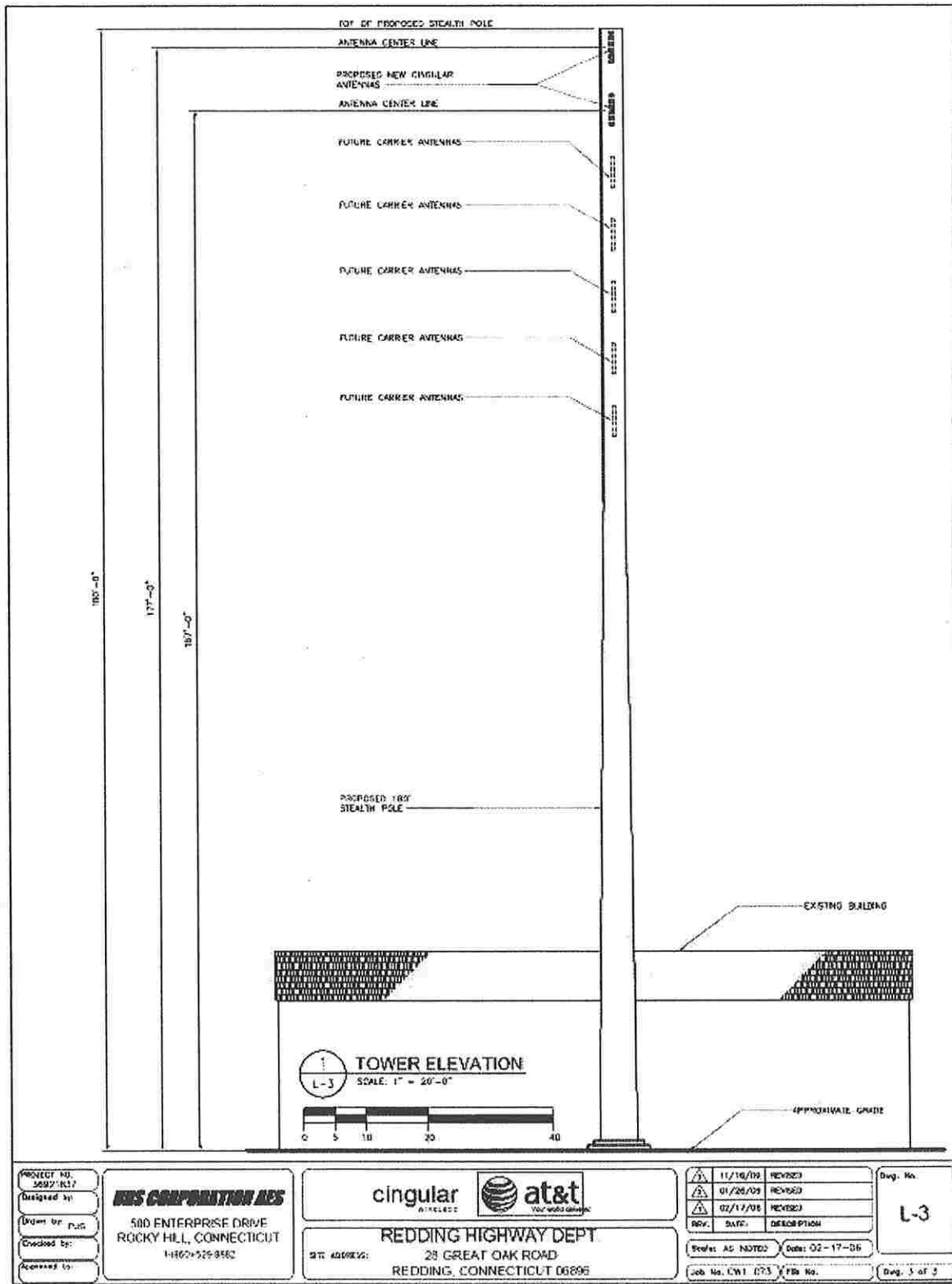
**URS CORPORATION AES**  
 500 ENTERPRISE DRIVE  
 ROCKY HILL, CONNECTICUT  
 1-860-524-8882

**cingular** **at&t**  
 REDDING HIGHWAY DEPT.  
 28 GREAT OAK ROAD  
 REDDING, CONNECTICUT 06896

1	1/16/08	REVISED
2	01/16/08	REVISED
3	01/17/08	REVISED
REV.	DATE	DESCRIPTION
Scale AS NOTED		Date 02-17-08
Job No. GW 1 073	File No.	

Exp. No.  
**L-2**  
 Page 2 of 3

Site Name: Redding Highway Department  
 Client Name: AT&T Mobility





## SHPO Consultation

# THE OTTERY GROUP

March 31, 2010

Susan Chandler  
Historical Architect  
Connecticut Commission on Culture & Tourism  
Historic Preservation and Museum Division  
One Constitution Plaza, 2nd Floor  
Hartford, Connecticut 06103

Re: Section 106 review for the proposed AT&T Mobility "Redding Highway Department #2033  
Telecommunications Facility" – 28 Great Oak Lane, Redding, CT 06896

Ms. Chandler:

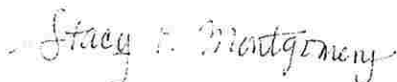
At the request of AT&T Mobility, The Ottery Group, Inc. is hereby initiating consultation with your office prior to the construction of a telecommunications facility in Redding, CT. As a licensee of the Federal Communications Commission (FCC), AT&T is required to consider the effects of the proposed undertaking on historic properties under FCC requirements (47 CFR 1.1307) and Section 106 of the National Historic Preservation Act (36 CFR 800) as implemented by the Programmatic Agreements governing project review for telecommunications projects.

The following attachment regarding the proposed undertaking is provided in order to initiate consultation pursuant to 36 CFR 800.3. The report includes an identification of historic properties that are listed in or have been determined eligible for the National Register of Historic Places (NRHP) and an assessment of the effects of the planned undertaking.

I look forward to your comments regarding the effects of the proposed undertaking. If you have any questions or require more information please feel free to contact me by phone or email ([stacy.montgomery@otterygroup.com](mailto:stacy.montgomery@otterygroup.com)). I appreciate your assistance with this project.

Sincerely,

THE OTTERY GROUP, INC.



Stacy P. Montgomery  
Architectural Historian

Attachments – FCC Form 620, Visual Resource Evaluation Report, Archaeological Assessment

## Contents Checklist

General Information

Applicant Information

Consultant Information

    Consultant Information Attachment

Site Information

    Site Information Attachments

        Maps Attachment

        Photos Attachment

        Lease Exhibits

    Determination of Effects Attachment

Tribal/NHO Involvement

    Tribal/NHO Attachments

Other Tribes/NHOs Contacted

Local Government Involvement

Other Consulting Parties

    Consulting Party Letters Attachment

    Public Notice Attachment

Historic Properties

    Historic Properties Attachment

Designation of SHPO/THPO

Certification

**FCC Wireless Telecommunications Bureau  
New Tower ("NT") Submission Packet – FCC Form 620**

**General Information**

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

**Applicant Information**

1) FCC Registration Number (FRN): <b>N/A</b>
2) Name: <b>AT&amp;T Mobility</b>

**Contact Name**

3) First Name: <b>Judy</b>	4) MI: <b>A.</b>	5) Last Name: <b>Owens</b>	6) Suffix:
7) Title: <b>Senior Analyst</b>			

**Contact Information**

8) P.O. Box:	And/ Or	9) Street Address: <b>500 Enterprise Drive, 3<sup>rd</sup> Floor</b>	
10) City: <b>Rocky Hill</b>	11) State: <b>CT</b>	12) Zip Code: <b>06067</b>	
13) Telephone Number: <b>(860) 513-7788</b>	14) Fax Number: <b>(860) 513-7190</b>		
15) Email Address: <b><u>JO9485@att.com</u></b>			

**Consultant Information**

1) FCC Registration Number (FRN): <b>N/A</b>
2) Name: <b>The Ottery Group, Inc.</b>

**Principal Investigator**

3) First Name: <b>Stacy</b>	4) MI: <b>P.</b>	5) Last Name: <b>Montgomery</b>	6) Suffix:
7) Title: <b>Architectural Historian</b>			

**Principal Investigator Contact Information**

8) Street Address: <b>3420 Morningwood Drive</b>		
9) City: <b>Olney</b>	10) State: <b>Maryland</b>	11) Zip Code: <b>20832</b>
12) Telephone Number: <b>(301) 562-1975</b>	13) Fax Number: <b>(301) 562-1976</b>	
14) Email Address: <b>stacy.montgomery@otterygroup.com</b>		

**Professional Qualification**

15) Does the Principle Investigator satisfy the Secretary of the Interior's Qualification Standards?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
--	---	-----------------------------

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

16) Areas of Professional Qualification: <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Archaeologist</li> <li>• <input checked="" type="checkbox"/> Architectural Historian</li> <li>• <input type="checkbox"/> Historian</li> <li>• <input type="checkbox"/> Architect</li> <li>• <input type="checkbox"/> Other (Specify) _____</li> </ul>
--

**Additional Staff**

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

If "Yes", complete the following:

18) First Name: <b>Christopher</b>	19) MI: <b>I.</b>	20) Last Name: <b>Sperling</b>	21) Suffix:
22) Title: <b>Archeologist/Historian</b>			
23) Areas of Professional Qualification: <ul style="list-style-type: none"> <li>• <input checked="" type="checkbox"/> Archaeologist</li> <li>• <input type="checkbox"/> Architectural Historian</li> <li>• <input checked="" type="checkbox"/> Historian</li> <li>• <input type="checkbox"/> Architect</li> <li>• <input type="checkbox"/> Other (Specify) _____</li> </ul>			

Please refer to the Consultant Information Attachment for more information.

**Consultant Information Attachment**

**STACY P. MONTGOMERY**

Architectural Historian

**EDUCATION**

Florida International University, Bachelor of Arts in History, 2004  
University of Maryland, Masters in Historic Preservation, 2007

**EXPERIENCE**

Ms. Montgomery has three years of professional experience in historic preservation. Ms. Montgomery has completed several architectural assessments and surveys throughout the Mid-Atlantic region. She has experience photographing and mapping historic resources, the identification of character-defining architectural features, landscape assessments, archival research at several state historic preservation offices, development of historic contexts, and the preparation and submittal of Section 106 reports to SHPOs.

**EMPLOYMENT SUMMARY**

2007 – Present Architectural Historian, The Ottery Group

Duties include conducting architectural surveys and field investigations, completion of evaluations and Determination of Eligibility forms for historic properties, performing archival research, and the preparation of National Register nominations.

2007 Intern, Montgomery County Historic Preservation Office, Silver Spring, MD.

Worked with the staff and commission for the purpose of developing an Education and Outreach Plan for the immediate implementation. Served as the primary researcher and author of the plan, *Education and Outreach Plan for Historic Preservation in Montgomery County* (2007), during her time there.

**CHRISTOPHER I. SPERLING**

Archeologist/Historian

**EDUCATION**

George Mason University, Master of Arts, American History, 2005  
George Mason University, Bachelor of Arts, Anthropology, 1996

**EXPERIENCE**

Mr. Sperling has thirteen years archeological experience including Phase I, II, and III terrestrial excavation, underwater remote sensing, underwater mapping, historical research, and historical and prehistoric artifact analysis. Mr. Sperling meets the Secretary of the Interior's Professional Qualification Standards (Archeology and History), under 36 CFR 61.

**EMPLOYMENT SUMMARY**

2004 – Present Archeologist/Historian, The Ottery Group

Mr. Sperling serves as a Field Director for archaeological projects. Duties include the oversight of all archaeological and historical research, fieldwork, laboratory, and report preparation. He prepares historic contexts for use in archaeological and architectural history reports, and performs spatial analyses of archeological assemblages. He has conducted extensive historical research for a variety of projects as well as Phase II evaluations and Phase III data recovery projects. For telecommunications projects, Mr. Sperling has supervised numerous Phase I-A assessments and Phase I surveys throughout the Mid-Atlantic states.

COMPLETE CURRICULUM VITAE FOR PROJECT STAFF CAN BE PROVIDED UPON REQUEST.

NT Submission Packet - FCC Form 620  
Project Name: Redding Highway Department

Site Information			
1) Site Name: <b>Redding Highway Department</b>			
2) Site Address: <b>28 Great Oak Lane</b>			
3) City: <b>Redding</b>	4) State: <b>Connecticut</b>	5) Zip Code: <b>06896</b>	
6) County/Borough/Parish: <b>Fairfield County</b>			
7) Nearest Crossroads: <b>Lonetown Road</b>			
8) NAD 83 Latitude/Longitude coordinates: <b>N 41° 18' 24.23"; W 73° 23' 10.69"</b>			

**Tower Information**

9) Tower Height above ground level (include top-mounted attachments such as lightning rods): <b>180 feet, 54.86 meters</b>
10) Tower Type: Guyed lattice tower/Self-supporting lattice/Monopole/Other(Describe): <b>stealth monopole</b>

**Project Status**

11) Current Project Status: <ul style="list-style-type: none"><li>• <input checked="" type="checkbox"/> Construction has not yet commenced</li><li>• <input type="checkbox"/> Construction has commenced, but is not completed<ul style="list-style-type: none"><li>➤ Construction commenced on __/__/__</li></ul></li><li>• <input type="checkbox"/> Construction has been completed<ul style="list-style-type: none"><li>➤ Construction commenced on __/__/__</li><li>➤ Construction completed on __/__/__</li></ul></li></ul>
--

Please Refer to the Site Information Attachments (Maps Attachment, Photo Attachment, and Lease Exhibits if available) for more information.

**Determination of Effect**

12) Direct Effects: <ul style="list-style-type: none"><li>• <input checked="" type="checkbox"/> No Historic Properties in Area of Potential Effects (APE)</li><li>• <input type="checkbox"/> No Effect on Historic Properties in APE</li><li>• <input type="checkbox"/> No Adverse Effect on Historic Properties in APE</li><li>• <input type="checkbox"/> Adverse Effect on one or more Historic Properties in APE</li></ul>
13) Visual Effects: <ul style="list-style-type: none"><li>• <input type="checkbox"/> No Historic Properties in APE</li><li>• <input type="checkbox"/> No Effect on Historic Properties in APE</li><li>• <input checked="" type="checkbox"/> No Adverse Effect on Historic Properties in APE</li><li>• <input type="checkbox"/> Adverse Effect on one or more Historic Properties in APE</li></ul>

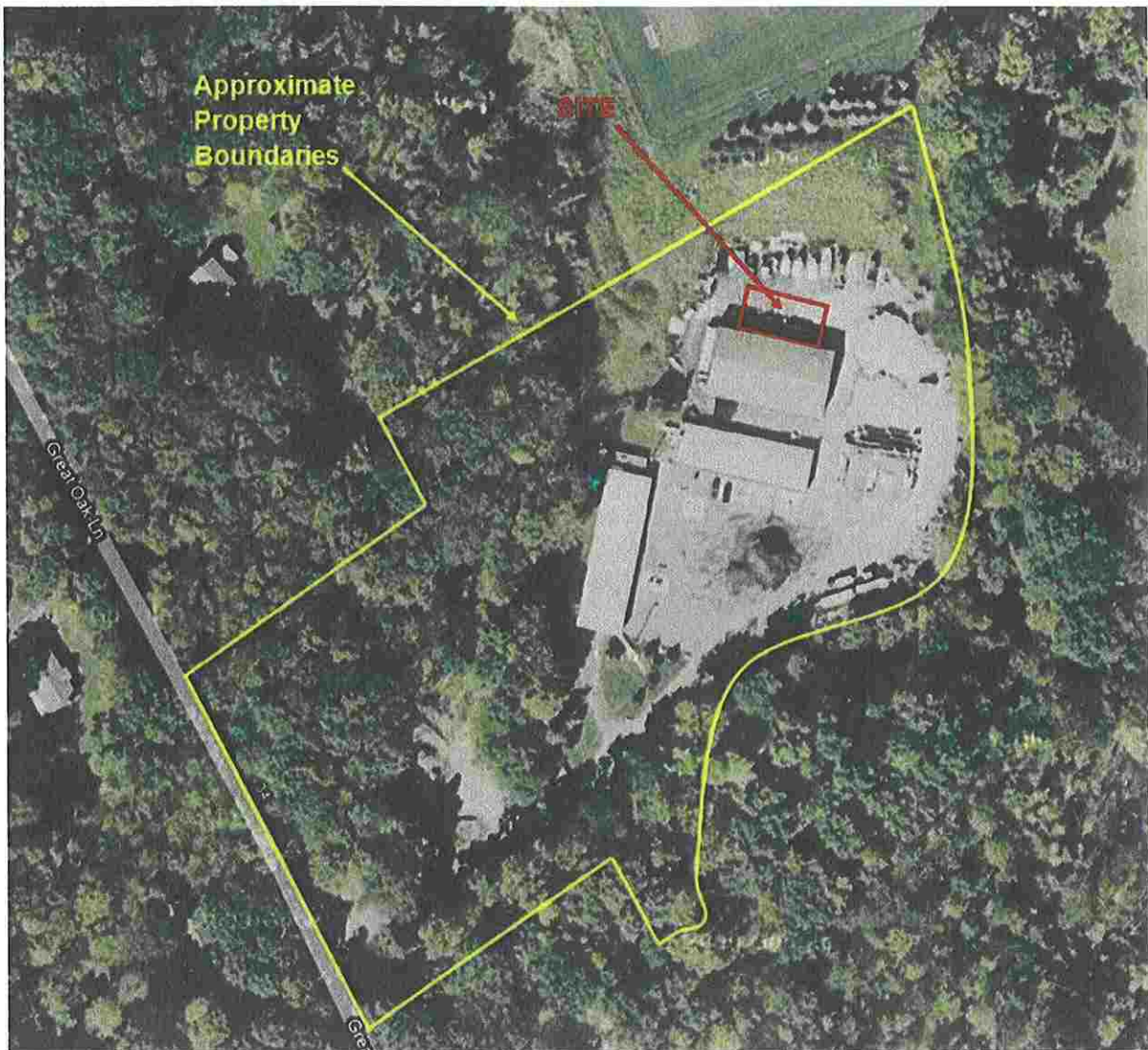
Please refer to the Determination of Effects Attachment for more information.

Maps Attachment

Site Description

The undertaking consists of the construction of a telecommunications facility. The proposed facility will consist of a 180-foot stealth monopole and associated equipment contained within a 33x73-foot fenced compound. An existing paved access road leads to the facility from Great Oak Lane. Utility connections already exist on the property. No other construction-related activities are anticipated.

The subject property is located on the east side of Great Oak Lane, northeast of its intersection with Hill Road. The subject property contains three modern structures. The project area is located northwest of Redding Center. The area surrounding the subject property is low density residential. Dense woods and a rolling topography surround the subject property.



Aerial Photograph of the Project Area

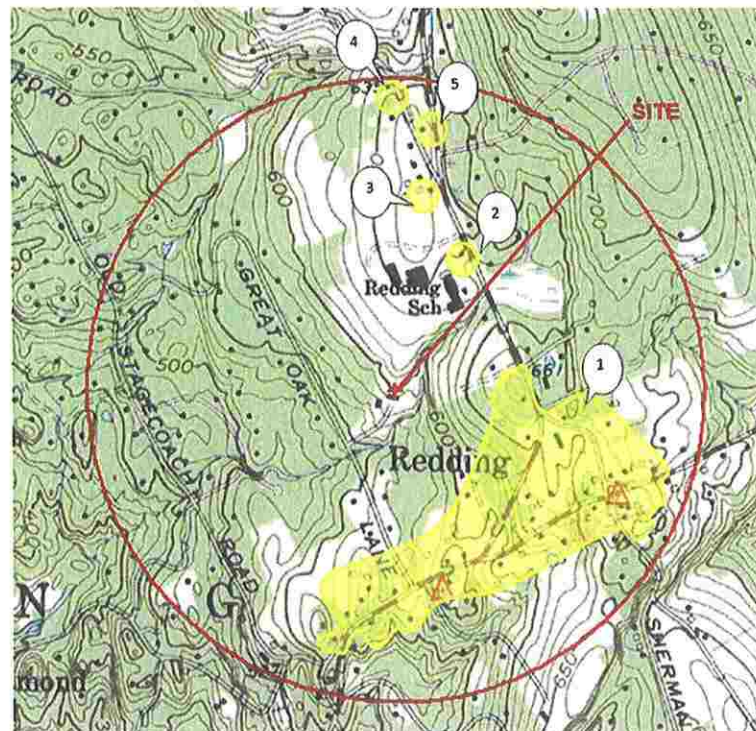


Maps Attachment



Aerial Photograph

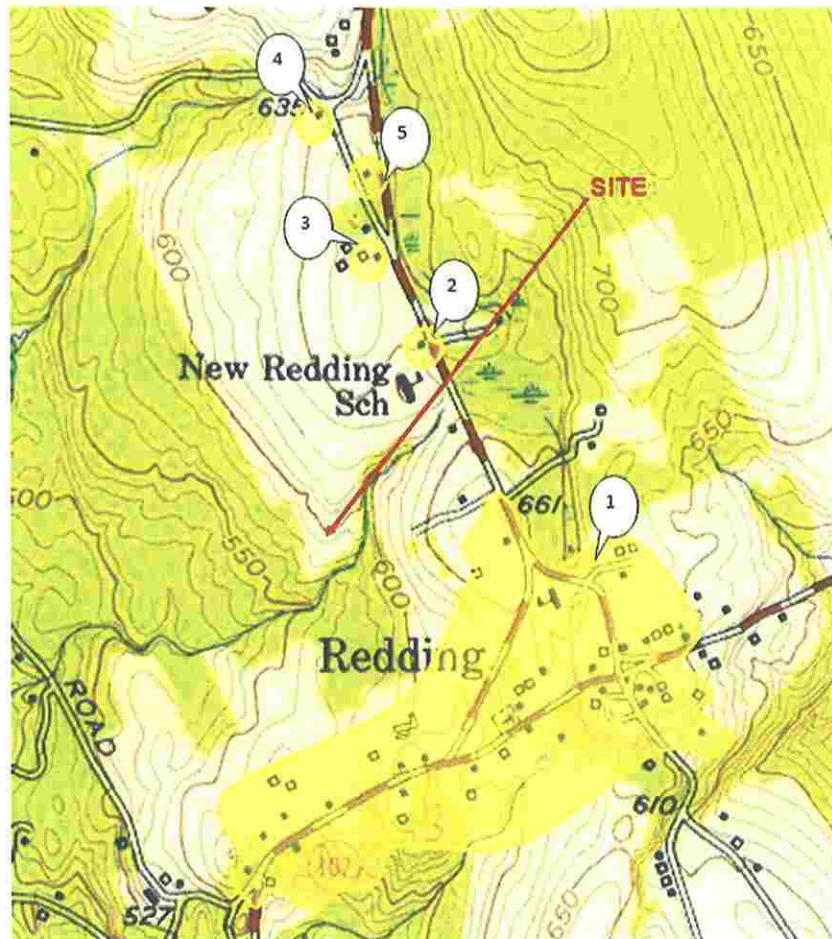
Depicting the Location of the Planned Undertaking, Identified Resources, and the 0.5-mile APE



Bethel Quad, CT USGS 7.5 Minute Topographic Map

Depicting the Location of the Planned Undertaking, Identified Resources, and the 0.5-mile APE

Maps Attachment



Bethel Quad, CT, 1951 Historic USGS 7.5 Minute Topographic Map  
Depicting the Location of the Planned Undertaking

Key-

- 1- Redding Center Historic District
- 2- Daniel Bartum House/35 Lonetown Road
- 3- Daniel and Esther Bartlett House
- 4- Jeremiah and Ruth Mead House/11 Gallows Hill Road
- 5- Daniel Bartum Tannery/ 4 Gallows Hill Road Extension

**Photo Attachment**

Photo 1:

View of ground cover at the proposed site location.



Photo 2:

View facing north from the subject site, toward a gravel parking area and hill at the edge of the subject property.



Photo 3:

View facing south from the subject site, toward the large storage building and paved lot on the subject property.



**Photo Attachment**

Photo 4:

View facing east from the subject site, toward a paved lot.



Photo 5:

View facing west from the subject site, toward a large storage building.



Photo 6:

View of the general setting of the proposed facility, on an industrial property.



**Photo Attachment**

Photo 7:

View of the existing access road toward the site from Great Oak Lane.



Photo 8:

View of a large garage on the subject property.

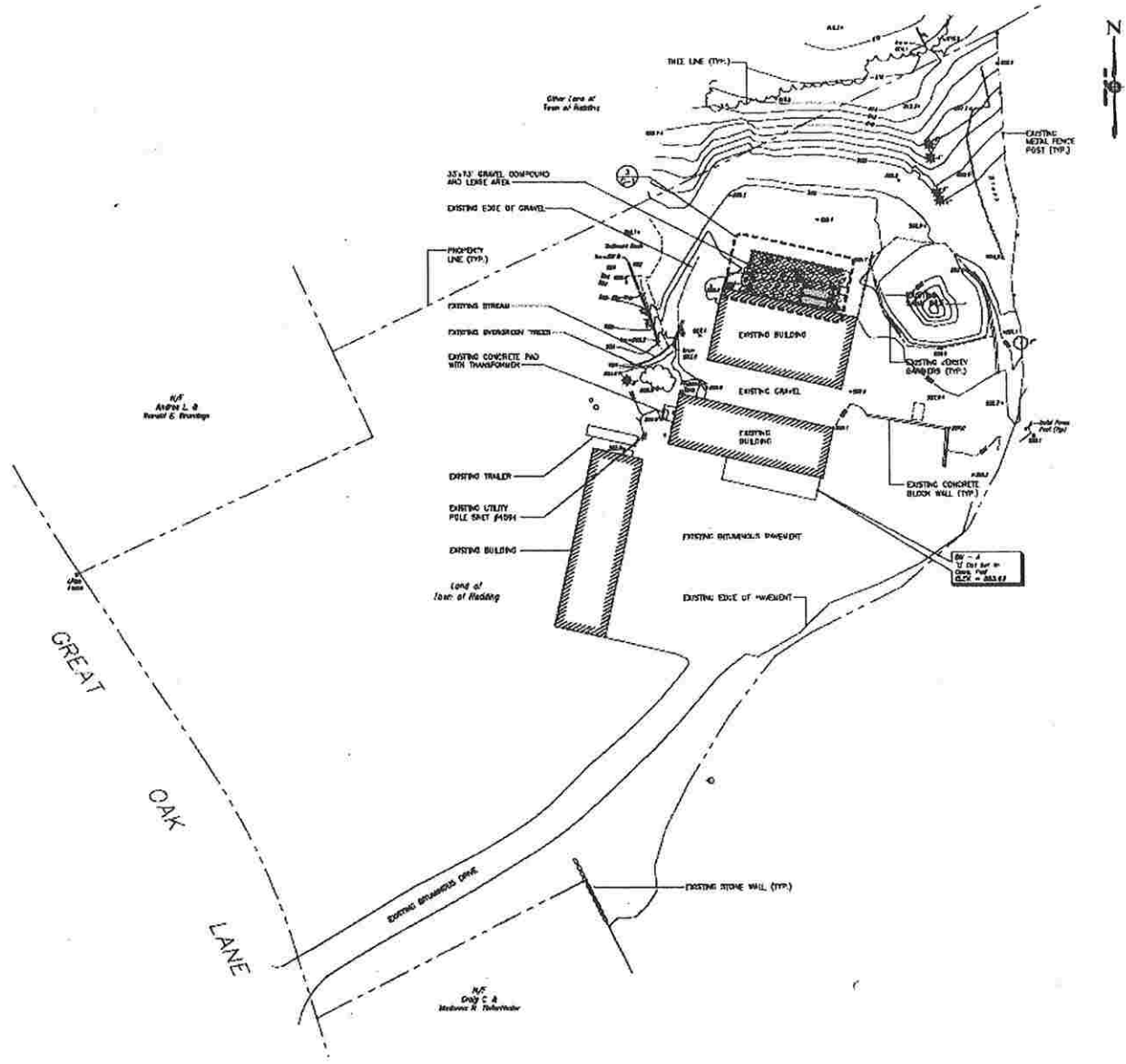


Photo 9:

View of a large storage facility on the subject property.

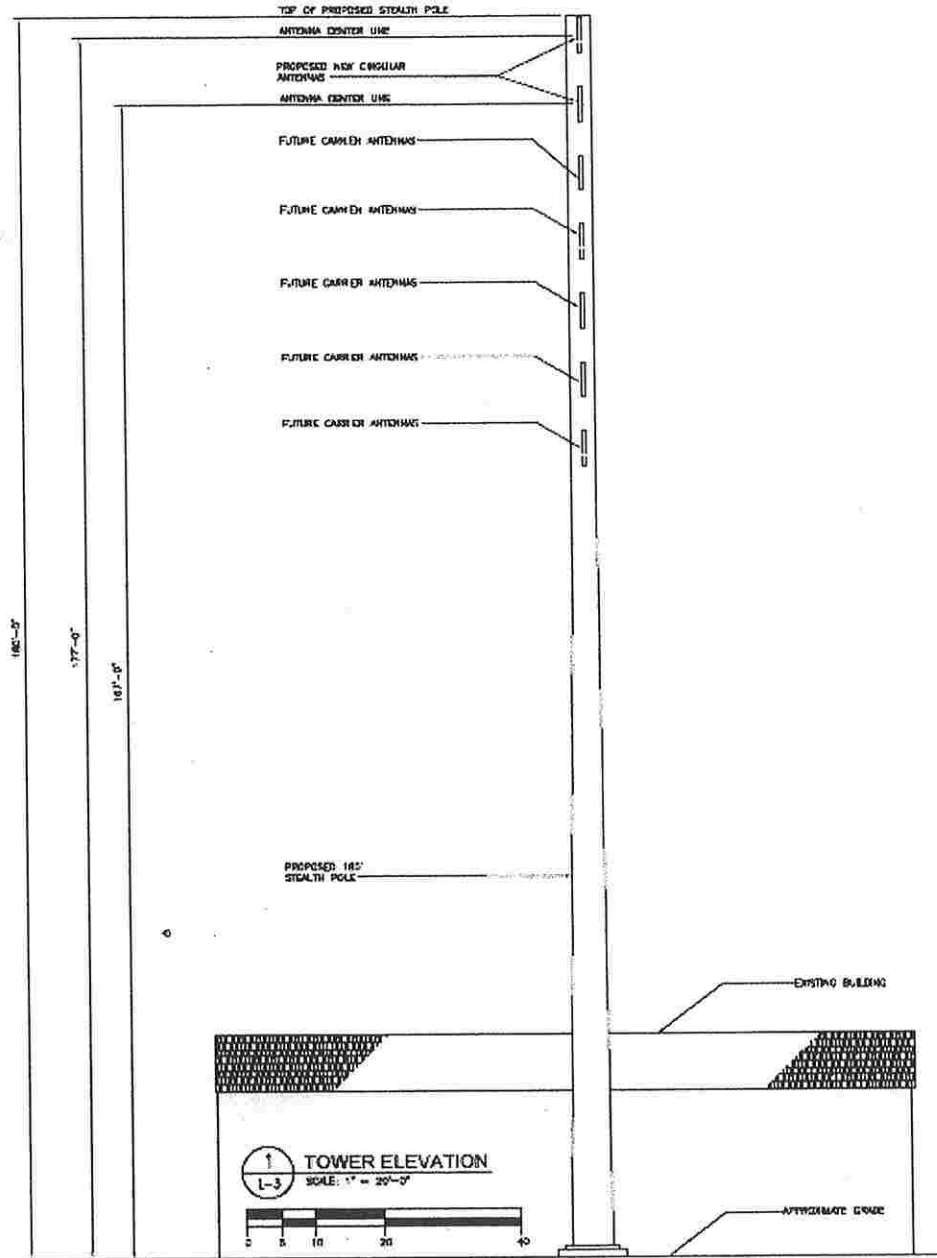


Lease Exhibit



Site Plan

Lease Exhibit



Tower Elevation

## Determination of Effects Attachment

### Area of Potential Effects for Direct Effects

The APE for direct effects consists of the area directly impacted by the undertaking by the construction of the telecommunications facility. The APE for direct effects is confined to the area of ground disturbance (the area leased by the tower builder, including access easements) with respect to the potential impact to archeological resources, and to the subject property with respect to above-ground resources.

### Area of Potential Effects for Visual Effects

The Nationwide Programmatic Agreement governing new tower construction indicates that, unless otherwise established through consultation with the SHPO/THPO, the presumed APE for visual effects relative to the construction of new facilities is a) 0.5-mile radius for towers 200 feet or less in overall height, b) 0.75-mile radius for towers greater than 200 but no more than 400 feet in overall height; or, c) 1.5-mile radius for towers greater than 400 feet in overall height.

At the time of the site inspection, the 0.5-mile APE was determined to be appropriate. No adjustments are recommended to the APE as defined under the Nationwide Programmatic Agreement, and 0.5-mile radius was considered appropriate for establishing visual impacts of the planned undertaking based on an overall structure height of 180 feet above ground surface.



**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

<b>Tribal/NHO Involvement</b>	
1) Have Indian Tribes or Native Hawaiian Organizations (NHO) 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?	( ) Yes (X) No
2) TCNS Notification Number: <b>48778</b>	Date of TCNS Notification: <b>2/3/2009</b>
3) Name of Tribes/NHOs contacted through TCNS Notification Number: <b>Mashantucket Pequot Tribe, Narragansett Indian Tribe, Delaware Nation</b>	Number of Tribes/NHOs: <b>3</b>
4) Name of Tribes/NHOs contacted through an alternate system: <b>Mohegan Tribal Council</b>	Number of Tribes/NHOs: <b>1</b>

**Tribe/NHO Contacted Through TCNS**

1) Tribe/NHO FRN: <b>N/A</b>
2) Tribe/NHO Name: <b>Mashantucket Pequot Tribe</b>

**Contact Name**

3) First Name: <b>Kathleen</b>	4) MI:	5) Last Name: <b>Knowles</b>	6) Suffix:
7) Title: <b>THPO</b>			

**Dates and Response**

8) Date Contacted <b>2/3/2009</b>	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"> <li>• (X) No Reply</li> <li>• ( ) Replied/No Interest</li> <li>• ( ) Replied/Have Interest</li> <li>• ( ) Replied/Other _____</li> </ul>	

**Tribe/NHO Contacted Through TCNS**

1) Tribe/NHO FRN: <b>N/A</b>
2) Tribe/NHO Name: <b>Narragansett Indian Tribe</b>

**Contact Name**

3) First Name: <b>Sequahna</b>	4) MI:	5) Last Name: <b>Mars</b>	6) Suffix:
7) Title: <b>Cell Tower Coordinator</b>			

**Dates and Response**

8) Date Contacted <b>2/3/2009</b>	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"> <li>• (X) No Reply</li> </ul>	

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

<ul style="list-style-type: none"><li>• ( ) Replied/No Interest</li><li>• ( ) Replied/Have Interest</li><li>• ( ) Replied/Other _____</li></ul>
---

**Tribe/NHO Contacted Through TCNS**

1) Tribe/NHO FRN: <b>N/A</b>
2) Tribe/NHO Name: Delaware Nation

**Contact Name**

3) First Name: <b>Tamara</b>	4) MI:	5) Last Name: <b>Francis</b>	6) Suffix:
7) Title: <b>NAGPRA/CP Director</b>			

**Dates and Response**

8) Date Contacted <b>3/2/2009</b>	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"><li>• (X) No Reply</li><li>• ( ) Replied/No Interest</li><li>• ( ) Replied/Have Interest</li><li>• ( ) Replied/Other _____</li></ul>	

Please refer to the Tribal/NHO Attachments (if available) for more information.

NT Submission Packet - FCC Form 620  
Project Name: Redding Highway Department

**Other Tribes/NHOs Contacted**

**Tribe/NHO Information**

1) Tribe/NHO FRN: **N/A**

2) Tribe/NHO Name: **Mohegan Tribal Council**

**Contact Name**

3) First Name: **Bruce**

4) MI:

5) Last Name: **Bozsum**

6) Suffix:

7) Title: **Chairperson**

**Contact Information**

8) P.O. Box:

And  
/Or

9) Street Address: **5 Crow Hill Road**

10) City: **Uncasville**

11) State: **CT**

12) Zip Code: **06382**

13) Telephone Number:

14) Fax Number:

15) Email Address:

16) Preferred means of communication:

- E-mail
- Letter
- Both

**Date and Response**

17) Date Contacted **3/31/2010**

Date Replied(if applicable) \_\_\_/\_\_\_/\_\_\_

- No Reply
- Replied/No Interest
- Replied/Have Interest
- Replied/Other \_\_\_\_\_

Please refer to the Consulting Party Letters Attachment for more information.

# THE OTTERY GROUP

March 31, 2010

Bruce Bozsum, Chairperson  
Mohegan Tribal Council  
5 Crow Hill Road  
Uncasville, CT 06382

Re: Invitation to participate as a consulting party to the Section 106 review of the proposed AT&T Mobility "Redding Highway Department Telecommunications Facility" – 28 Great Oak Lane, Redding, CT 06896

Mr. Bozsum:

Prior to the construction of a telecommunications facility by AT&T Mobility at 28 Great Oak Lane, in Redding, CT, The Ottery Group has submitted documentation to the Connecticut Commission on Culture and Tourism, Historic Preservation and Museum Division (SHPO) regarding the effect of the proposed undertaking on historic properties. As tower construction is regulated by the FCC, AT&T Mobility is required to consider the effects of planned undertakings on cultural resources for compliance with the National Environmental Policy Act (NEPA) as well as Section 106 of the National Historic Preservation Act. Pursuant to Section 106 requirements, this notification is being made to invite potentially interested parties that may desire to participate in the consultation process.

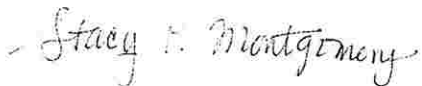
The proposed undertaking consists of the construction of a telecommunications facility at the above-referenced location. The proposed facility will consist of a 180-foot stealth monopole and associated equipment all contained within a 33x73-foot fenced compound.

If you have any questions, concerns, or comments regarding the proposed undertaking, please contact our office within 30 days of receipt of this notification. The project review staff at the Connecticut Commission on Culture and Tourism will have all documentation regarding this undertaking on file; however, I will be glad to furnish you with an electronic copy if requested. I look forward to your comments regarding the effects of the proposed undertaking.

If you have any questions or require more information please feel free to contact me by phone (301.562.1975) or email ([stacy.montgomery@otterygroup.com](mailto:stacy.montgomery@otterygroup.com)). I appreciate your assistance with this project.

Sincerely,

THE OTTERY GROUP, INC.



Stacy P. Montgomery  
Architectural Historian

1810 AUGUST DRIVE • SILVER SPRING, MARYLAND 20902 • 301.562.1975 (MAIN) • 301.562.1976 (FAX)  
[www.otterygroup.com](http://www.otterygroup.com)

NT Submission Packet - FCC Form 620  
Project Name: Redding Highway Department

**Local Government Involvement**

**Local Government Agency**

- 1) FCC Registration Number (FRN): **N/A**  
2) Name: **Town of Redding**

**Contact Name**

- 3) First Name: **Natalie**      4) MI:      5) Last Name: **Ketcham**      6) Suffix:  
7) Title: **Town Selectman**

**Contact Information**

- |  |                      |   |
|--|----------------------|---|
| 8) P.O. Box: <b>1028</b>   | And/Or               | 9) Street Address: <b>100 Hill Road</b> |
| 10) City: <b>Redding</b>   | 11) State: <b>CT</b> | 12) Zip Code: <b>06875</b>              |
| 13) Telephone Number: <b>203-938-2002</b>  | 14) Fax Number:      |   |
| 15) Email Address:   |                      |   |
| 16) Preferred means of communication: <ul style="list-style-type: none"><li>• <input type="checkbox"/> E-mail</li><li>• <input checked="" type="checkbox"/> Letter</li><li>• <input type="checkbox"/> Both</li></ul> |                      |   |

**Date and Response**

- 17) Date Contacted **3/31/2010**      Date Replied(if applicable) \_\_\_/\_\_\_/\_\_\_  
•  No Reply  
•  Replied/No Interest  
•  Replied/Have Interest  
•  Replied/Other

**Additional Information**

- 18) Information on other consulting parties' role or interest (optional):  
Please refer to the Consulting Party Letters Attachment for more information.

# THE OTTERY GROUP

March 31, 2010

Natalie Ketcham, First Selectman  
Town of Redding  
100 Hill Road  
P.O. Box 1028  
Redding, CT 06875

Re: Invitation to participate as a consulting party to the Section 106 review of the proposed AT&T Mobility "Redding Highway Department Telecommunications Facility" – 28 Great Oak Lane, Redding, CT 06896

Ms. Ketcham:

Prior to the construction of a telecommunications facility by AT&T Mobility at 28 Great Oak Lane, in Redding, CT, The Ottery Group has submitted documentation to the Connecticut Commission on Culture and Tourism, Historic Preservation and Museum Division (SHPO) regarding the effect of the proposed undertaking on historic properties. As tower construction is regulated by the FCC, AT&T Mobility is required to consider the effects of planned undertakings on cultural resources for compliance with the National Environmental Policy Act (NEPA) as well as Section 106 of the National Historic Preservation Act. Pursuant to Section 106 requirements, this notification is being made to invite potentially interested parties that may desire to participate in the consultation process.

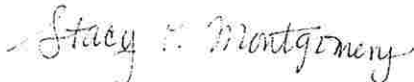
The proposed undertaking consists of the construction of a telecommunications facility at the above-referenced location. The proposed facility will consist of a 180-foot stealth monopole and associated equipment all contained within a 33x73-foot fenced compound.

If you have any questions, concerns, or comments regarding the proposed undertaking, please contact our office within 30 days of receipt of this notification. The project review staff at the Connecticut Commission on Culture and Tourism will have all documentation regarding this undertaking on file; however, I will be glad to furnish you with an electronic copy if requested. I look forward to your comments regarding the effects of the proposed undertaking.

If you have any questions or require more information please feel free to contact me by phone (301.562.1975) or email ([stacy.montgomery@otterygroup.com](mailto:stacy.montgomery@otterygroup.com)). I appreciate your assistance with this project.

Sincerely,

THE OTTERY GROUP, INC.



Stacy P. Montgomery  
Architectural Historian

1810 AUGUST DRIVE • SILVER SPRING, MARYLAND 20902 • 301.562.1975 (MAIN) • 301.562.1976 (FAX)  
[www.otterygroup.com](http://www.otterygroup.com)

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

**Local Government Agency**

1) FCC Registration Number (FRN): <b>N/A</b>
2) Name: <b>Town of Redding Planning Commission</b>

**Contact Name**

3) First Name: <b>Diane</b>	4) MI: <b>F.</b>	5) Last Name: <b>Taylor</b>	6) Suffix:
7) Title: <b>Chairman</b>			

**Contact Information**

8) P.O. Box: <b>1028</b>	And/Or	9) Street Address: <b>23 Cross Highway</b>
10) City: <b>Redding Center</b>	11) State: <b>CT</b>	12) Zip Code: <b>06875</b>
13) Telephone Number: <b>203-938-3721</b>	14) Fax Number:	
15) Email Address:		
16) Preferred means of communication:		
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> E-mail</li> <li>• <input checked="" type="checkbox"/> Letter</li> <li>• <input type="checkbox"/> Both</li> </ul>		

**Date and Response**

17) Date Contacted <b>3/31/2010</b>	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"> <li>• <input checked="" type="checkbox"/> No Reply</li> <li>• <input type="checkbox"/> Replied/No Interest</li> <li>• <input type="checkbox"/> Replied/Have Interest</li> <li>• <input type="checkbox"/> Replied/Other _____</li> </ul>	

**Additional Information**

18) Information on other consulting parties' role or interest (optional): Please refer to the Consulting Party Letters Attachment for more information.
--

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

**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**

1) FCC Registration Number (FRN): <b>N/A</b>
2) Name: <b>Redding Preservation Society</b>

**Contact Name**

3) First Name: <b>Raymond</b>	4) MI:	5) Last Name: <b>D'Angelo</b>	6) Suffix:
7) Title: <b>President</b>			

**Contact Information**

8) P.O. Box: <b>1154</b>	And/Or	9) Street Address:
10) City: <b>Redding Center</b>	11) State: <b>CT</b>	12) Zip Code: <b>06875</b>
13) Telephone Number: <b>203-938-0240</b>	14) Fax Number:	
15) Email Address:		
16) Preferred means of communication:		
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> E-mail</li> <li>• <input checked="" type="checkbox"/> Letter</li> <li>• <input type="checkbox"/> Both</li> </ul>		

**Date and Response**

17) Date Contacted <b>3/31/2010</b>	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"> <li>• <input checked="" type="checkbox"/> No Reply</li> <li>• <input type="checkbox"/> Replied/No Interest</li> <li>• <input type="checkbox"/> Replied/Have Interest</li> <li>• <input type="checkbox"/> Replied/Other _____</li> </ul>	

**Additional Information**

18) Information on other consulting parties' role or interest (optional): Please refer to the Consulting Party Letters Attachment for more information.
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NT Submission Packet - FCC Form 620  
Project Name: Redding Highway Department

**Consulting Party**

1) FCC Registration Number (FRN): <b>N/A</b>
2) Name: <b>Redding Historical Society</b>

**Contact Name**

3) First Name: <b>Janice</b>	4) MI:	5) Last Name: <b>Dimon</b>	6) Suffix:
7) Title: <b>President</b>			

**Contact Information**

8) P.O. Box:	And /Or	9) Street Address: <b>43 Lonetown Road</b>	
10) City: <b>Redding</b>	11) State: <b>CT</b>	12) Zip Code: <b>06875</b>	
13) Telephone Number: <b>203-938-9095</b>	14) Fax Number:		
15) Email Address:			
16) Preferred means of communication: <ul style="list-style-type: none"><li>• <input type="checkbox"/> E-mail</li><li>• <input checked="" type="checkbox"/> Letter</li><li>• <input type="checkbox"/> Both</li></ul>			

**Date and Response**

17) Date Contacted <b>3/31/2010</b>	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"><li>• <input type="checkbox"/> No Reply</li><li>• <input type="checkbox"/> Replied/No Interest</li><li>• <input type="checkbox"/> Replied/Have Interest</li><li>• <input type="checkbox"/> Replied/Other _____</li></ul>	

**Additional Information**

18) Information on other consulting parties' role or interest (optional): Please refer to the Consulting Party Letters Attachment and the Public Notice Attachment for more information.
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NT Submission Packet – FCC Form 620

Project Name: Redding Highway Department

Public Notice Attachment



The Following public notice was placed in The Redding Pilot on March 4, 2010. To date, no responses have been received.

AT&T Mobility intends to construct a telecommunications facility at 28 Great Oak Lane in Redding, CT. AT&T seeks comment from interested persons on the impact of the facility on historic properties. All questions and comments about the planned telecommunications facility, including the environmental impact and historic preservation reviews that AT&T is conducting pursuant to the rules of the Federal Communications Commission (47 CFR Section 1.1307), should be directed to Judy Owens, AT&T Mobility, 500 Enterprise Drive, Rocky Hill, CT 06067 or Judy.A.Owens@att.com by March 31, 2010.

3-4

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

<b>Historic Properties</b>
----------------------------

**Properties Identified**

1) Have any historic properties been identified within the APEs for direct and visual effect?	(X) Yes ( ) No
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?	( ) Yes (X) No

**Historic Properties Summary**

Map Key #	Property	NR Status	Effects Determination
1	Redding Center Historic District	Listed	No Adverse Effect
2	Daniel Bartum House/ 35 Lonetown Road	Not Evaluated	N/A
3	Daniel and Esther Bartlett House	Listed	No Adverse Effect
4	Jeremiah and Ruth Mead House/ 11 Gallows Hill Road	Not Evaluated	N/A
5	Daniel Bartum Tannery/ 4 Gallows Hill Road Extension	Not Evaluated	N/A

Please refer to the Historic Property Attachment (if applicable) for more information.

**Historic Properties Attachment**

A review of the National Register Database and a file review of the Connecticut State Historic Resource Inventory were conducted to identify inventoried properties with the APEs for Visual and Direct Effects. The results of this review are discussed below.

Historic Properties Identified for Direct Effects

Properties within the APE for Direct Effects

Map Key #	Property	Address/Location	NR Status	Distance
	None Identified			

There are three structures on the subject property that are of modern construction. No archeological resources were identified on the subject property. As a result there will be no effect to resources within the APE for Direct Effects.

Historic Properties Identified for Visual Effects

Properties within the APE for Visual Effects

Map Key #	Property	Address/Location	NR Status	Distance
1	Redding Center Historic District	Bound by 4-25B Cross Highway, including cemetery, 61-100 Hill Road, 0-15 Lonetown Road, 118 Sanfordtown Road, Redding, CT	Listed	0.16 miles
2	Daniel Bartum House/ 35 Lonetown Road	35 Lonetown Road Redding, CT	Not Evaluated	0.23 miles
3	Daniel and Esther Bartlett House	43 Lonetown Road Redding, CT	Listed	0.31 miles
4	Jeremiah and Ruth Mead House/ 11 Gallows Hill Road	11 Gallows Hill Road Redding, CT	Not Evaluated	0.47 miles
5	Daniel Bartum Tannery/ 4 Gallows Hill Road Extension	4 Gallows Hill Road Extension, Redding, CT	Not Evaluated	0.41 miles

There are two resources within the APE for Visual Effects that is listed on the National Register of Historic Places, the Redding Center Historic District and the Daniel and Esther Bartlett House. The **Redding Center Historic District (NR#92001253)** is a 55 acre district centered around the town center of Redding. The district listed on the National Register under Criterion C and contains 42 contributing resources, the majority of which are residential. The district's period of significance 1767 to 1929, and common architectural styles include Colonial, Colonial Revival, Greek Revival, and Italianate. As presented in the attached Visual Resource Evaluation Report, the facility would only be visible from the closest portions of the district, specifically at the northwest end of the district. There would be no visibility from the east end of the district. The rolling topography and intervening tree cover should limit the visibility of the facility from the majority of the district and the stealth design of the facility should limit the impact on the setting of the historic district. As a result, there will be no adverse effect to the Redding Center Historic District. The **Daniel and Esther Bartlett House (NR #93000290)** is a two-story Federal

### Historic Properties Attachment

farmhouse that dates to the end of the eighteenth century, circa 1796. The house is listed on the National Register under Criterion C, for its architectural significance as a well-preserved example of a Federal farmhouse. As presented in the attached Visual Resource Evaluation Report, the facility would be visible year-round from most vantage points on the property; however, the stealth design of the facility will limit the visual impact on the historic setting of the resource. As a result, there will be no adverse effect to the Daniel and Esther Bartlett House.

There are three properties within the APE for Visual Effects which have not been evaluated for National Register eligibility, the Daniel Bartum House, the Jeremiah and Ruth Mead House, and the Daniel Bartum Tannery. The **Daniel Bartum House**, located at 35 Lonetown Road, is a two-story Greek Revival House that dates to 1790, with alterations dating to 1840 and 1900. A portion of the facility would be seasonally visible; however, the topography and tree cover would limit the visibility. Furthermore, the stealth design of the facility will limit the visual impact of on the historic setting of this resource. As this resource has not been evaluated, it is not considered historic under the NPA. As a result, there will be no effect to this resource. The **Jeremiah and Ruth Mead House**, located at 11 Gallows Hill Road, is a Colonial dwelling dating to 1789. Given the proximity of this resource, the facility will be visible from some vantage points on the property; however, the intervening buildings, tree cover, and topography should limit the visibility. Furthermore, the stealth design of the facility will decrease the visual impact on the historic setting of the resource. As this resource has not been evaluated, it is not considered historic under the NPA. As a result, there will be no effect to this resource. The **Daniel Bartum Tannery**, located at 4 Gallows Hill Extension Road, is a Federal Style dwelling dating to 1770, with alterations dating to 1836. A portion of the facility would be seasonally visible from this resource; however, the intervening topography and tree cover would limit the visibility. Furthermore, the stealth design of the facility will limit the visual impact of on the historic setting of this resource. As this resource has not been evaluated, it is not considered historic under the NPA. As a result, there will be no effect to this resource.

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

**Historic Property 1**

1) Property Name: <b>Redding Center Historic District</b>
2) SHPO Site Number: <b>(NR #92001253)</b>

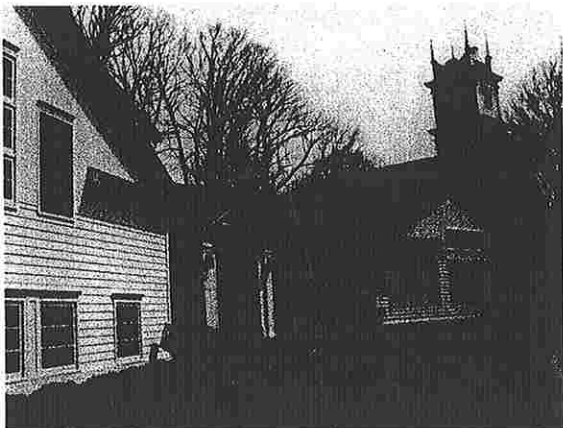
**Property Address**

3) Street Address: <b>Bound by 4-25B Cross Highway, including cemetery, 61-100 Hill Road, 0-15 Lonetown Road, 118 Sanfords town Road</b>		
4) City: <b>Redding</b>	5) State: <b>CT</b>	6) Zip Code: <b>06896</b>
7) County/Borough/Parish: <b>Fairfield County</b>		

**Status and Eligibility**

8) Is this property listed on the National Register?  Source: <b>Connecticut SHRI</b>	(X) Yes ( ) No
9) Is this property eligible for listing on the National Register?  Source: <b>Connecticut SHRI</b>	(X) Yes ( ) No
10) Is this property a National Historic Landmark?	( ) Yes (X) No

14) Direct Effects: <ul style="list-style-type: none"> <li>• (X) No Effect on this Historic Property in APE</li> <li>• ( ) No Adverse Effect on this Historic Property in APE</li> <li>• ( ) Adverse Effect on this Historic Property in APE</li> </ul>
15) Visual Effects: <ul style="list-style-type: none"> <li>• ( ) No Effect on this Historic Property in APE</li> <li>• (X) No Adverse Effect on this Historic Property in APE</li> <li>• ( ) Adverse Effect on this Historic Property in APE</li> </ul>



View of 24A Cross Highway, the First Church of Christ Offices, and a contributing resource within the Redding Center Historic District (NR #92001253) facing northwest, Map Key 1.



Line-of-sight from the resource, toward the proposed facility. The facility will not be visible from this portion of the historic district.

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**



View of 61 Hill Road, a contributing resource within the Redding Center Historic District, facing north, Map Key 1.



Line-of-sight from the resource, toward the proposed facility. The facility will not be visible from this portion of the district.



View of 25 Cross Highway, a contributing resource within the Redding Center Historic District, facing north, Map Key 1.



Line-of-sight from the resource, toward the proposed facility. The facility will not be visible from this portion of the district.



View of 65 Hill Road, a contributing resource within the Redding Center Historic District, facing north, Map Key 1.



Line-of-sight from the resource, toward the proposed facility. A portion of the facility may be seasonally visible from this area.

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

**Historic Property 2**

1) Property Name: <b>Daniel Bartum House/35 Lonetown Road</b>
2) SHPO Site Number: <b>58</b>

**Property Address**

3) Street Address: <b>35 Lonetown Road</b>		
4) City: <b>Redding</b>	5) State: <b>CT</b>	6) Zip Code: <b>06896</b>
7) County/Borough/Parish: <b>Fairfield County</b>		

**Status and Eligibility**

8) Is this property listed on the National Register?  Source: <b>Connecticut SHRI</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
9) Is this property eligible for listing on the National Register?  Source: <b>Connecticut SHRI</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
10) Is this property a National Historic Landmark?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

16) Direct Effects: <ul style="list-style-type: none"> <li>• <input checked="" type="checkbox"/> No Effect on this Historic Property in APE</li> <li>• <input type="checkbox"/> No Adverse Effect on this Historic Property in APE</li> <li>• <input type="checkbox"/> Adverse Effect on this Historic Property in APE</li> </ul>
17) Visual Effects: <ul style="list-style-type: none"> <li>• <input checked="" type="checkbox"/> No Effect on this Historic Property in APE</li> <li>• <input type="checkbox"/> No Adverse Effect on this Historic Property in APE</li> <li>• <input type="checkbox"/> Adverse Effect on this Historic Property in APE</li> </ul>



View of the Daniel Bartum House/35 Lonetown Road (58) facing west, Map Key 2.



Line-of-sight from the resource, toward the proposed facility. A portion of the facility will be seasonally visible from this resource.



**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

**Historic Property 3**

1) Property Name: <b>Daniel and Esther Bartlett House</b>
2) SHPO Site Number: <b>(NR #93000290)</b>

**Property Address**

3) Street Address: <b>43 Lonetown Road</b>		
4) City: <b>Redding</b>	5) State: <b>CT</b>	6) Zip Code: <b>06896</b>
7) County/Borough/Parish: <b>Fairfield County</b>		

**Status and Eligibility**

8) Is this property listed on the National Register?  Source: <b>Connecticut SHRI</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9) Is this property eligible for listing on the National Register?  Source: <b>Connecticut SHRI</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10) Is this property a National Historic Landmark?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

18) Direct Effects:	
<ul style="list-style-type: none"> <li>• <input checked="" type="checkbox"/> No Effect on this Historic Property in APE</li> <li>• <input type="checkbox"/> No Adverse Effect on this Historic Property in APE</li> <li>• <input type="checkbox"/> Adverse Effect on this Historic Property in APE</li> </ul>	
19) Visual Effects:	
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> No Effect on this Historic Property in APE</li> <li>• <input checked="" type="checkbox"/> No Adverse Effect on this Historic Property in APE</li> <li>• <input type="checkbox"/> Adverse Effect on this Historic Property in APE</li> </ul>	



View of the Daniel and Esther Bartlett House (NR#93000290) facing west, Map Key 3.



Line-of-sight from the resource, toward the proposed facility. A portion of the facility will be seasonally visible from this resource.

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

**Historic Property 4**

1) Property Name: <b>Jeremiah and Ruth Mead House/11 Gallows Hill Road</b>
2) SHPO Site Number: <b>N/A</b>

**Property Address**

3) Street Address: <b>11 Gallows Hill Road</b>		
4) City: <b>Redding</b>	5) State: <b>CT</b>	6) Zip Code: <b>06896</b>
7) County/Borough/Parish: <b>Fairfield County</b>		

**Status and Eligibility**

8) Is this property listed on the National Register?  Source: <b>Connecticut SHRI</b>	( <input type="checkbox"/> ) Yes ( <input checked="" type="checkbox"/> ) No
9) Is this property eligible for listing on the National Register?  Source: <b>Connecticut SHRI</b>	( <input type="checkbox"/> ) Yes ( <input checked="" type="checkbox"/> ) No
10) Is this property a National Historic Landmark?	( <input type="checkbox"/> ) Yes ( <input checked="" type="checkbox"/> ) No

20) Direct Effects:	
<ul style="list-style-type: none"> <li>• (<input checked="" type="checkbox"/>) No Effect on this Historic Property in APE</li> <li>• (<input type="checkbox"/>) No Adverse Effect on this Historic Property in APE</li> <li>• (<input type="checkbox"/>) Adverse Effect on this Historic Property in APE</li> </ul>	
21) Visual Effects:	
<ul style="list-style-type: none"> <li>• (<input checked="" type="checkbox"/>) No Effect on this Historic Property in APE</li> <li>• (<input type="checkbox"/>) No Adverse Effect on this Historic Property in APE</li> <li>• (<input type="checkbox"/>) Adverse Effect on this Historic Property in APE</li> </ul>	



View of the Jeremiah and Ruth Mead House/11 Gallows Hill Road facing west, Map Key 4.



Line-of-sight from the resource, toward the proposed facility. A portion of the facility will be seasonally visible from this resource.

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

**Historic Property 5**

1) Property Name: <b>Daniel Bartum Tannery/4 Gallows Hill Road Extension</b>
2) SHPO Site Number: <b>N/A</b>

**Property Address**

3) Street Address: <b>4 Gallows Hill Road Extension</b>		
4) City: <b>Redding</b>	5) State: <b>CT</b>	6) Zip Code: <b>06896</b>
7) County/Borough/Parish: <b>Fairfield County</b>		

**Status and Eligibility**

8) Is this property listed on the National Register?  Source: <b>Connecticut SHRI</b>	( <input type="checkbox"/> ) Yes ( <input checked="" type="checkbox"/> ) No
9) Is this property eligible for listing on the National Register?  Source: <b>Connecticut SHRI</b>	( <input type="checkbox"/> ) Yes ( <input checked="" type="checkbox"/> ) No
10) Is this property a National Historic Landmark?	( <input type="checkbox"/> ) Yes ( <input checked="" type="checkbox"/> ) No

22) Direct Effects:	
<ul style="list-style-type: none"> <li>• (<input checked="" type="checkbox"/>) No Effect on this Historic Property in APE</li> <li>• (<input type="checkbox"/>) No Adverse Effect on this Historic Property in APE</li> <li>• (<input type="checkbox"/>) Adverse Effect on this Historic Property in APE</li> </ul>	
23) Visual Effects:	
<ul style="list-style-type: none"> <li>• (<input checked="" type="checkbox"/>) No Effect on this Historic Property in APE</li> <li>• (<input type="checkbox"/>) No Adverse Effect on this Historic Property in APE</li> <li>• (<input type="checkbox"/>) Adverse Effect on this Historic Property in APE</li> </ul>	



View of the Daniel Bartum Tannery/4 Gallows Hill Road Extension facing west, Map Key 5.



Line-of-sight from the resource, toward the proposed facility. A portion of the facility will be seasonally visible from this resource.

**NT Submission Packet - FCC Form 620**  
**Project Name: Redding Highway Department**

**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.

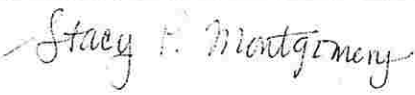
**SHPO/THPO**

Name: **Susan Chandler, Connecticut Commission on Culture & Tourism**

- 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.			
<b>Party Authorized to Sign</b>			
First Name: <b>Stacy</b>	MI: <b>P.</b>	Last Name: <b>Montgomery</b>	Suffix:
Signature: 		Date: <b>3/31/2010</b>	
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)			

## Archeological Assessment

# THE OTTERY GROUP

Archeological Assessment for the Proposed  
Redding Highway Department Telecommunications Facility,  
28 Great Oak Lane  
Redding, Fairfield County, Connecticut

March 31, 2010

Prepared By:  
Kristin Pryor and Christopher Sperling, MA  
Lyle C. Torp, RPA (Principal Investigator)

The Ottery Group has prepared this technical memorandum detailing the results of an archeological assessment conducted at the site of the proposed Redding Highway Department Telecommunications Facility. The site location is situated on municipal property on the east side of Great Oak Lane in Redding, Connecticut. The Ottery Group conducted the archeological assessment on behalf of AT&T Mobility.

The archeological assessment was prepared as supplemental documentation to the FCC Form 620 packet and is intended solely to provide sufficient information in a summary format to assist consultation efforts under the Nationwide Programmatic Agreement which dictates the manner in which Section 106 of the NHPA is implemented for FCC licensed undertakings. The objective of the assessment is to provide recommendations on whether archeological resources may be present in the project area in order to assist consulting parties in determining whether an identification (Phase I) or evaluation (Phase II) is warranted. The assessment is intended to facilitate the ability of consulting parties to make informed decisions about the potential of the planned undertaking to result in direct affects to archeological resources. Limited archival research was conducted to identify previously recorded archeological resources within or in the immediate vicinity of the impact area. Field investigation was conducted to determine site conditions, the degree of ground disturbance, and the presence of cultural material. Fieldwork consisted of a surface inspection of exposed ground surfaces in order assess prior ground disturbance and to document any indications of past, historic or prehistoric, activities.

The location of the project area is illustrated in Attachment 1. The Area of Potential Effect (APE) for direct effects to archeological resources includes the areas of ground disturbance associated with construction activities. The proposed undertaking consists of a 33-foot by 73-foot lease area and compound enclosing a 180-foot tall stealth pole and the necessary equipment pads, equipment cabinets, and utilities (Attachment 2). Access will be provided via an existing gravel and asphalt lot.

## *Environmental Setting*

The proposed facility location is situated in the Saugatuck River watershed (US EPA 2010). The closest water source is an unnamed drainage of Saugatuck River, located approximately 500 feet southeast of the project area. It empties into Saugatuck River approximately 4,400 feet to the southwest. The Saugatuck River flows southward, eventually emptying into Long Island Sound. The elevation within the project area is approximately 590 feet above mean sea level (AMSL).

The project area is located within a municipal property surrounded by undeveloped land. The NRCS (2009) maps Paxton and Montauk fine sandy loams, 8 to 15 percent slopes (84C) for the project area. These well-

drained soils are comprised primarily of coarse-loamy lodgment till, derived from granite and/or schist and/or gneiss. Photographs of the project area are included as Attachment 3.

### *Archeological Potential*

An archeological predictive model uses environmental factors from the locations of previously identified archeological sites to extrapolate the likely locations of sites that have yet to be found. The results of the model evaluate archeological potential, the likelihood of archeological sites to be present in a given location. Potential is identified in a scale of high, medium, and low. Modern or historical disturbance to an area can lessen the potential of encountering intact archeological sites. Based on generally accepted predictive models, the most likely location for prehistoric habitation sites is on relatively level, well-drained soils within 150 meters (492 feet) of fresh water, particularly at stream confluences and headwaters.

Historic period archeological sites are more accurately defined through cultural rather than environmental variables. Means of transportation are keys to the presence of domestic and industrial sites. These sites are usually situated within 100 meters (328 feet) of an historic roadway or navigable waterway. Historic maps are effective in documenting changes in the development of towns since the mid nineteenth century.

The absence of previously recorded archeological sites in the project vicinity does not necessarily increase or diminish the probability of encountering archeological sites in the APE, unless a previously identified archeological site is known to exist within or immediately adjacent to the APE. The absence or low quantity of previously identified archeological sites is typically a result of the lack of systematic professional survey and is not considered a reason to discount the likelihood for archeological sites to be present within the project APE.

### *Documentary Research*

Background research for the project area was conducted at the Dodd Research Center at the University of Connecticut (UConn) at Storrs and the Office of State Archeology (OSA) in Storrs. These repositories contained information regarding previously identified archeological sites and prior archeological surveys. No archeological surveys have been completed within one mile of the project area. However, three archeological sites have been identified within a one mile radius (Table 1). None of these archeological sites have been evaluated for eligibility for listing on the National Register of Historic Places (NRHP); none are located within or immediately adjacent to the APE for direct effects to archeological resources

**Table 1: Identified Archeological Sites within a One-Mile Radius of the Project Area**

Site Number	Cultural Period	Site Type	NRHP Status
117-30	Historic (19 <sup>th</sup> Century)	Church Grounds	Indeterminate
117-31	Historic (19 <sup>th</sup> Century)	School	Indeterminate
117-32	Historic (19 <sup>th</sup> Century)	Tenant house	Indeterminate

The Dodd Center also contains inventories of historic structures. Twenty-six inventoried properties occur within one mile of the project area (Table 2). The majority of them occur within the NRHP-listed Redding Historic District. The presence of historic properties proximal to the project area provides valuable information regarding the potential for previously unrecorded archeological deposits. The Redding Historic District is located to the south of the current project area and primarily consists of properties dating from the late-eighteenth and early-nineteenth century. The community that developed during this period concentrated along the crossroads of present-day Sherman Turnpike and Cross Highway. Consistent with historic settlement patterns for the region, development occurred in the immediate vicinity of these historic roadways.

**Table 2: Inventoried Historic Resources within a One-Mile Radius of the Project Area**

Address	Architectural Style	Date of Construction
4 Cross Highway**	Federal	1824
10 Cross Highway**	Greek Revival	1753-1847
19 Cross Highway**	Federal and Greek Revivals	1770
20 Cross Highway**	Greek Revival/Colonial Revival	1767 (1830, 1910)
24 Cross Highway**	Georgian/Federal/Greek Revival	1790
24A Cross Highway**	Federal w/Greek Revival and Italianate influences	1788
25 Cross Highway**	Federal Influence	1834
25B Cross Highway**	Greek Revival	1837
42 Cross Highway**	Federal	1796 (1800)
1 Lonetown Road**	Federal, Greek Revival	1770
4 Lonetown Road**	Federal, Italianate	1730 (1825,1870)
10 Lonetown Road	Colonial Revival	1840 (1951)
14 Lonetown Road**	Greek Revival	1827-1828
35 Lonetown Road	Greek Revival	1790 (1840)
43 Lonetown Road*	Colonial	1800
61 Hill Road**	Colonial	1807
65 Hill Road**	Colonial Revival	1755
69 Hill Road**	Vernacular	1870
73 Hill Road**	Colonial Revival	1920
78 Hill Road**	Early Federal	1810
85 Hill Road**	Greek Revival, Italianate	1735 (1840)
100 Hill Road**	Colonial Revival	1882 (1910)
66 Hill Road**	Greek Revival	1895
118 Sanfordtown Road	Greek Revival	1821
11 Gallows Hill Road	Colonial	1789
4 Gallows Hill Road Extension	Federal, Greek Revival	1770 (1836)

\*National Register Listed Property

\*\* In National Registered District

An online review was conducted on the UConn Library Map and Geographic Information Center (MAGIC) website in order to chart the historic development of the project area vicinity. The project area is located north of the Redding Historic District. The Town of Redding was incorporated in 1767. It appears on the 1797 Amos Doolittle statewide map, however no infrastructure is indicated in the vicinity of the project area (Attachment 4). By 1892, the alignments of Cross Highway and Lonetown Road had been established. According to an 1892 USGS topographic map, several structures were present along these two roads by the end of the nineteenth century. Great Oak Lane and not been developed by this period. There are no structures indicated in the vicinity of the project area at this time. Although the Town of Redding represented a nearby population center, the immediate surroundings remained sparsely populated through the nineteenth century. At present, the town is mostly residential with few commercial properties.

#### *Results of Archeological Assessment*

A visual inspection of the general area was conducted to determine if cultural materials or archeological features were exposed on ground surfaces. The proposed facility location is situated directly adjacent to a municipal building on the southeast end of the Redding Highway Department property. The ground surface within the project area is paved in asphalt. The topography slopes steeply to the south and east. The project



area is situated within a paved parking area that has been subjected to prior grading. Paving precluded the excavation of shovel test pits (STPs) within the project area.

### *Recommendation*

The location of the proposed telecommunications facility is considered to possess a low potential for prehistoric or historic archeological deposits. The project area has been subjected to extensive ground disturbance. The proposed facility location has been graded and is currently paved in asphalt. The subject property is located less than one quarter mile from the NRHP-listed Redding Historic District. However, a review of historic maps and historic property survey data indicate that the focus of historic settlement occurred at the crossroads of present-day Sherman Turnpike and Cross Highway; development concentrated immediately along the historic roadways. The project area is situated approximately 1,900 feet northwest of this intersection and nearly 1,200 feet west of Sherman Turnpike. This distance greatly diminishes the probability for historic occupation. Furthermore, the project area has been severely graded in recent years, thereby diminishing any archeological potential. No previously recorded archeological sites have been identified within or immediately adjacent to the APE for direct effects to archeological resources. Based on the results of this investigation, the project area is considered unlikely to contain significant archeological deposits and no additional archeological investigation is recommended.

- Attachments:** Attachment 1: Location of the Project Area on the USGS Bethel, CT Quadrangle  
Attachment 2: Site Plans indicating Project Area  
Attachment 3: Site Photographs  
Attachment 4: Approximate Location of the Project Area on the 1797 A. Doolittle *A Correct Map of Connecticut from Actual Survey*  
Attachment 5: Approximate Location of the Project Area on the 1892 USGS Danbury, CT Quadrangle

### **References Cited or Consulted**

Doolittle, Amos

1797 A Correct Map of Connecticut from Actual Survey. Hudson and Goodwin, Hartford, Connecticut. Available at the Map and Geographic Information Center (MAGIC), Historical Scanned Map Collection. University of Connecticut. <http://magic.lib.uconn.edu/>. (March 31, 2010)

Natural Resources Conservation Service (NRCS)

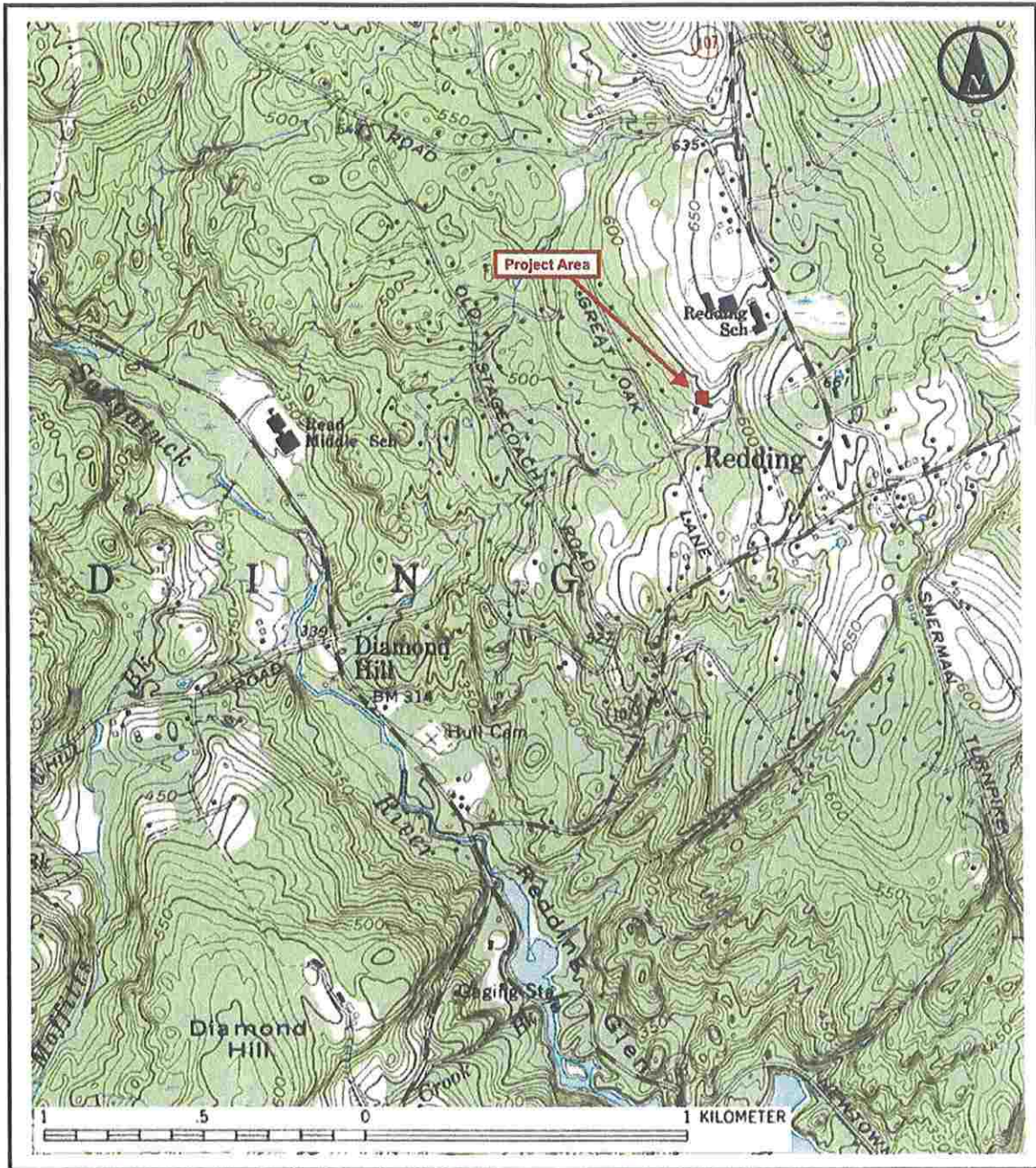
2008 National Cooperative Soil Survey (NCSS) Web Soil Survey. United States Department of Agriculture. Washington D.C. <http://websoilsurvey.nrcs.usda.gov/app/>. (March 31, 2010)


United States Environmental Protection Agency (US EPA)

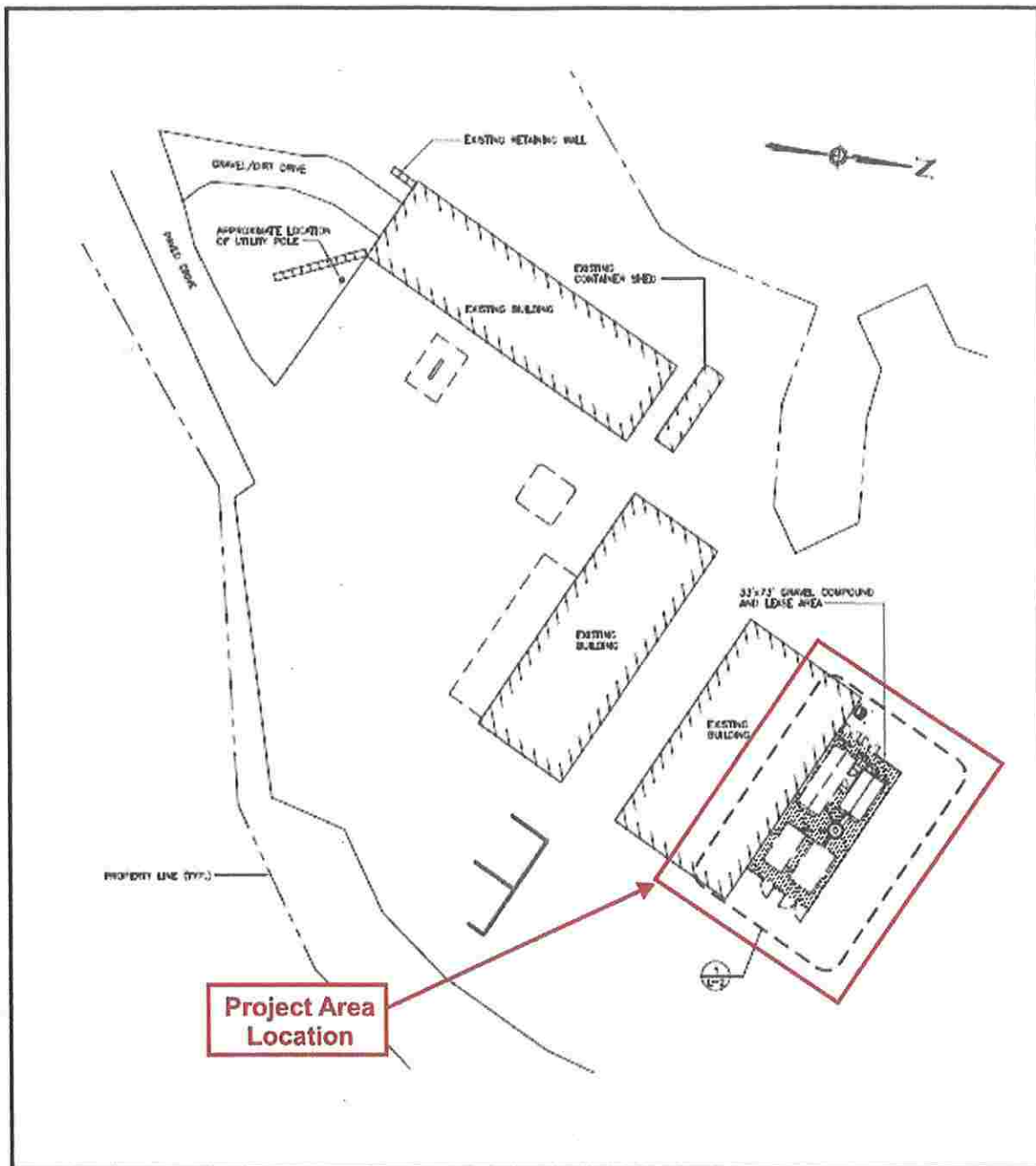
2010 Surf Your Watershed. <http://cfpub.epa.gov/surf/locate/index.cfm> (March 31, 2010).



United States Geological Survey

1892 Danbury, CT Quadrangle. Available at <http://historical.mytopo.com>.



<p><b>THE OTTERY GROUP</b>          3420 Morningwood Drive          Olney, MD 20832          phone (301) 562-1975          fax (301) 562-1976</p>	<p><b>Attachment 1:</b>  <b>Location of the Project Area on the USGS          15 Minute Bethel, CT Quadrangle</b></p>	 <p>CONNECTICUT          QUADRANGLE LOCATION</p>
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 <p>3420 Morningwood Drive      Olney, MD 20832      phone (301) 562-1975      fax (301) 562-1976</p>	<p><b>Attachment 2:</b>  <b>Site Plan indicating Project Area Location</b></p>	
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**View from Project Area Facing North**




**View from Project Area Facing South**

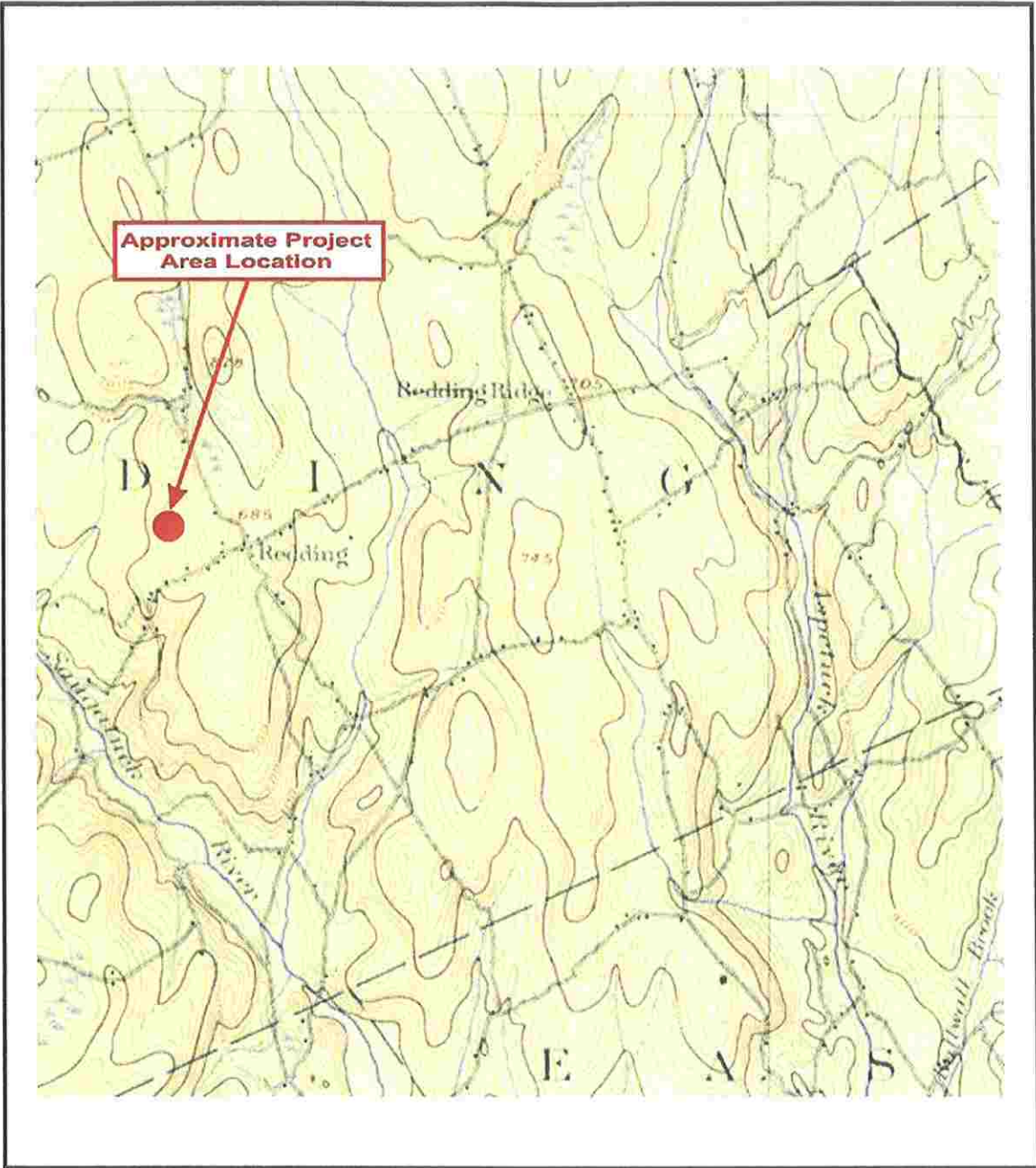



**THE OTTERY GROUP**  
3420 Morningwood Drive  
Olney, MD 20832  
phone (301) 562-1975  
fax (301) 562-1976

**Attachment 3:**  
Photographs of Project Area

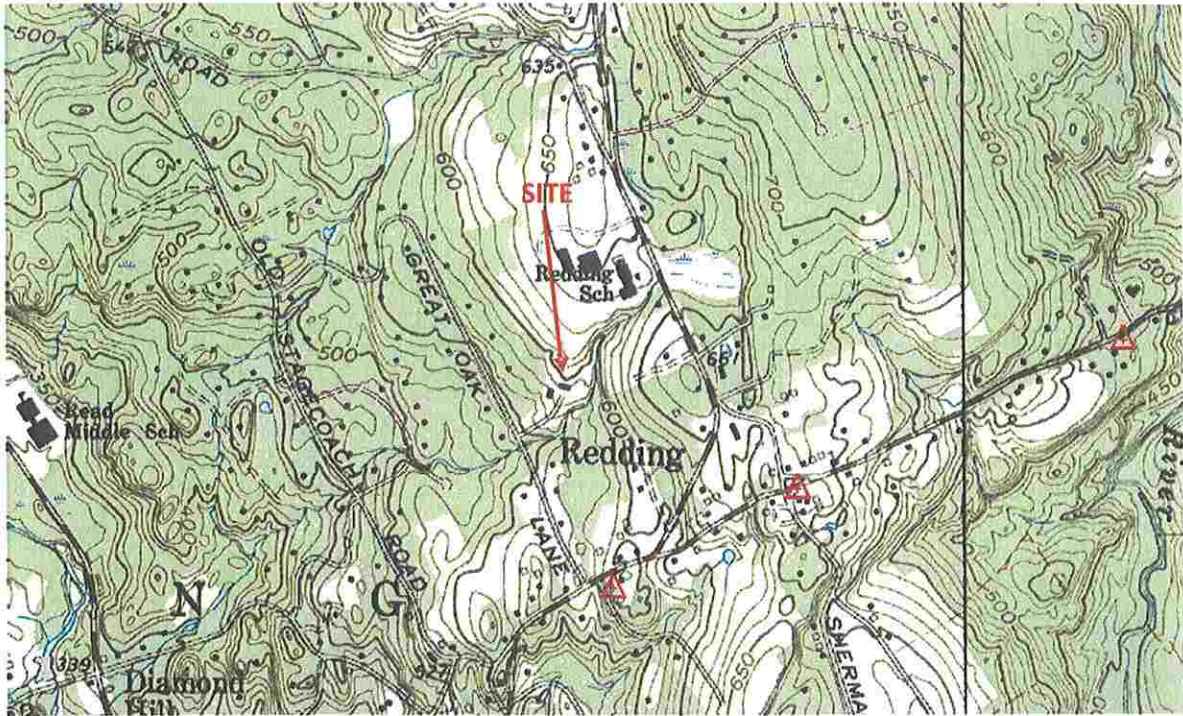


<p><b>THE OTTERY GROUP</b> 3420 Morningwood Drive Olney, MD 20832 phone (301) 562-1975 fax (301) 562-1976</p>	<p><b>Attachment 4:</b> Approximate Project Area Location on 1797 <i>A Correct Map of Connecticut From Actual Survey</i></p>	
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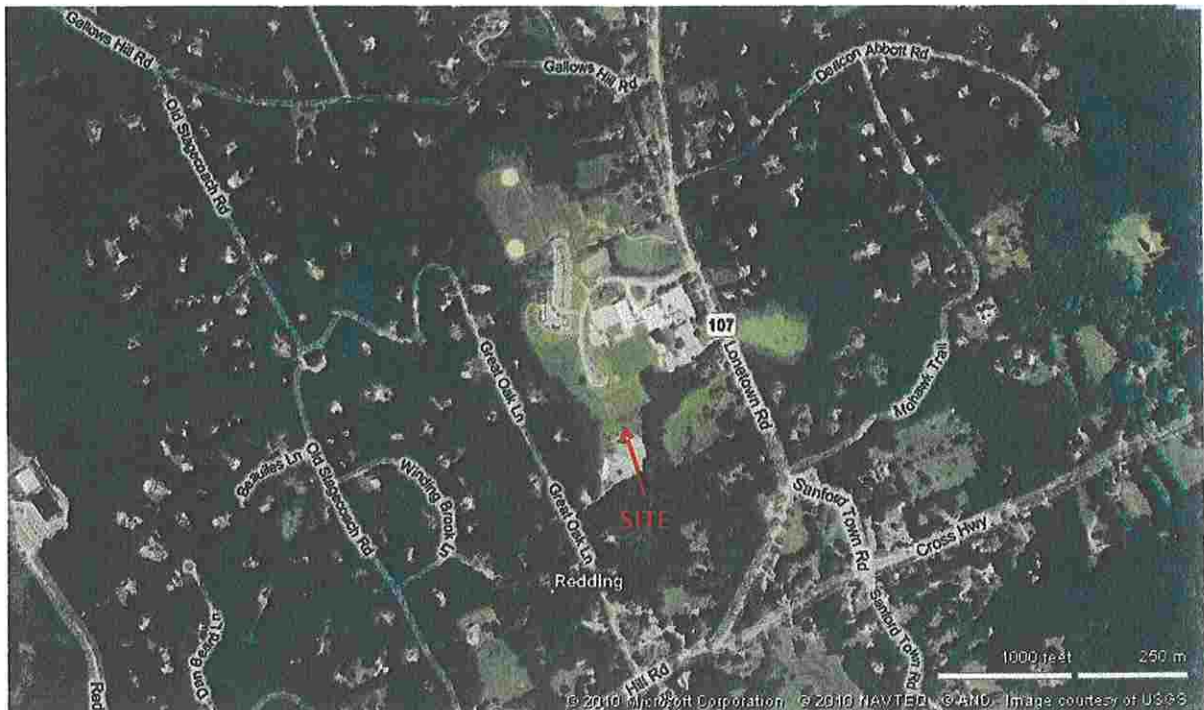


<p><b>THE OTTERY GROUP</b>          3420 Morningwood Drive          Olney, MD 20832          phone (301) 562-1975          fax (301) 562-1976</p>	<p><b>Attachment 5:</b>          Approximate Project Area Location on 1892          USGS Danbury, Connecticut Quadrangle</p>	
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Protected Lands and Habitat Data  
Rare, Threatened, and Endangered Species Regulatory Review



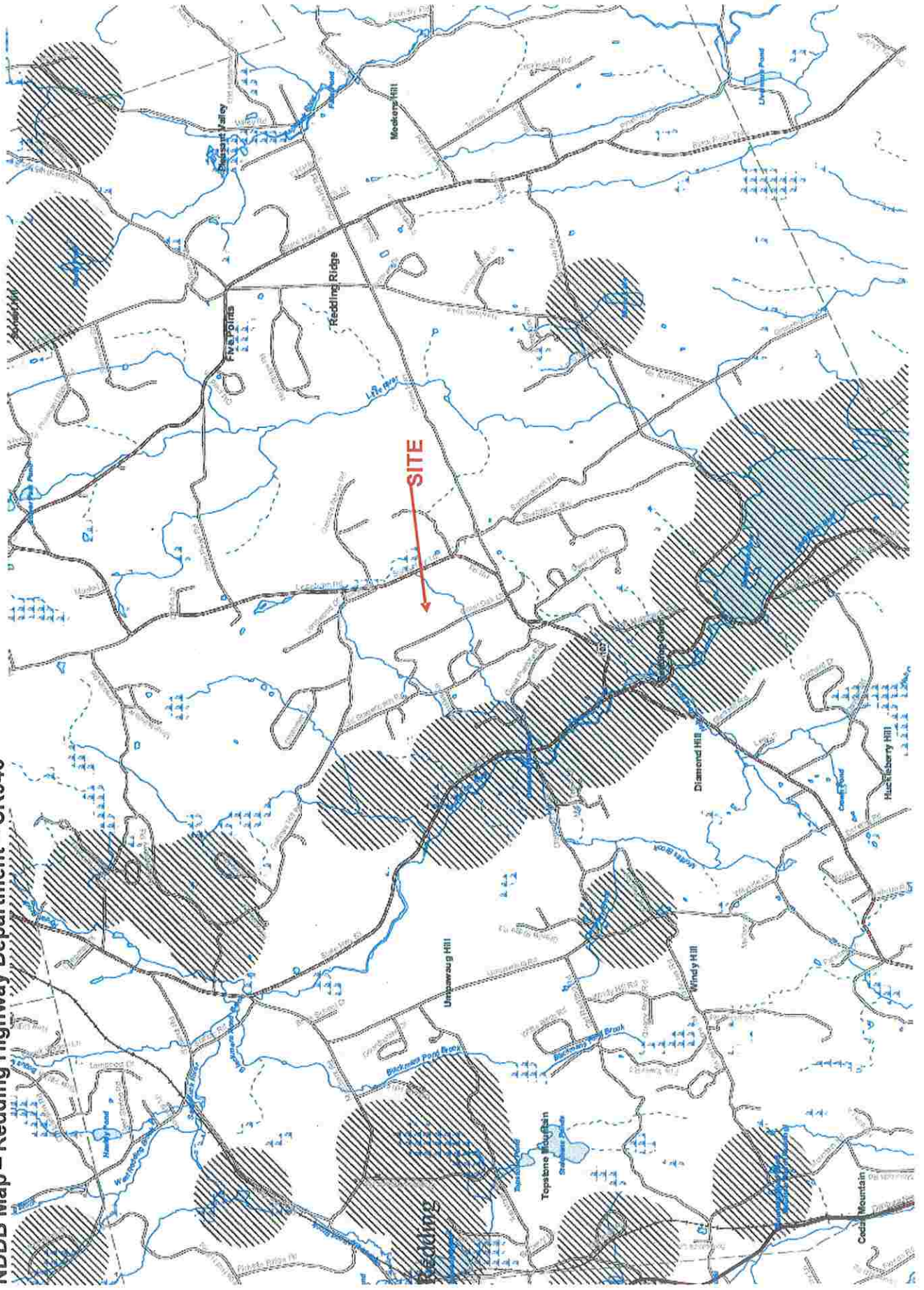
Bethel, CT USGS 7.5 Minute Topographic Map



Aerial Photograph of the Subject Site and Surrounding Area



**NDDB Map – Redding Highway Department – SR943**



**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES  
IN CONNECTICUT**

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Fairfield	Piping Plover	Threatened	Coastal Beaches	Westport, Bridgeport and Stratford
	Roseate Tern	Endangered	Coastal beaches, Islands and the Atlantic Ocean	Westport and Stratford
	Bog Turtle	Threatened	Wetlands	Ridgefield and Danbury.
Hartford	Dwarf wedgemussel	Endangered	Farmington and Podunk Rivers	South Windsor, East Granby, Simsbury, Avon and Bloomfield.
Litchfield	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Sharon.
	Bog Turtle	Threatened	Wetlands	Sharon and Salisbury.
Middlesex	Roseate Tern	Endangered	Coastal beaches, islands and the Atlantic Ocean	Westbrook and New London.
	Piping Plover	Threatened	Coastal Beaches	Clinton, Westbrook, Old Saybrook.
New Haven	Bog Turtle	Threatened	Wetlands	Southbury
	Piping Plover	Threatened	Coastal Beaches	Milford, Madison and West Haven
	Roseate Tern	Endangered	Coastal beaches, Islands and the Atlantic Ocean	Branford, Guilford and Madison
New London	Piping Plover	Threatened	Coastal Beaches	Old Lyme, Waterford, Groton and Stonington.
	Roseate Tern	Endangered	Coastal beaches, Islands and the Atlantic Ocean	East Lyme and Waterford.
	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Waterford
Tolland	None			◦

-Eastern cougar, gray wolf, seabeach amaranth and American burying beetle are considered extirpated in Connecticut.

-There is no federally-designated Critical Habitat in Connecticut.

7/31/2008



United States Department of the Interior  
FISH AND WILDLIFE SERVICE  
New England Field Office  
70 Commercial Street, Suite 300  
Concord, New Hampshire 03301-5087



January 1, 2008

To Whom It May Concern:

This project was reviewed for federally-listed or proposed threatened or endangered species presence per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website (<http://www.fws.gov/northeast/newenglandfieldoffice/EndangeredSpec-Consultation.htm>). Based on information currently available, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service (Service) are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with the Service under Section 7 of the Endangered Species Act is not required.

This concludes the review of listed species and critical habitat in the project location(s) and environs referenced above. No further Endangered Species Act coordination of this type is necessary for a period of one year from the date of this review, unless additional information on listed or proposed species becomes available.

Thank you for your coordination. Please contact us at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Anthony P. Tur  
Endangered Species Specialist  
New England Field Office

## Flood Zone Data

APPROXIMATE SCALE  
 400 FEET

**NATIONAL FLOOD INSURANCE PROGRAM**


**FIRM FLOOD INSURANCE RATE MAP**

TOWN OF REDDING, CONNECTICUT  
 FAIRFIELD COUNTY

PANEL 5 OF 9  
 (SEE MAP INDEX FOR PANELS NOT PRINTED)

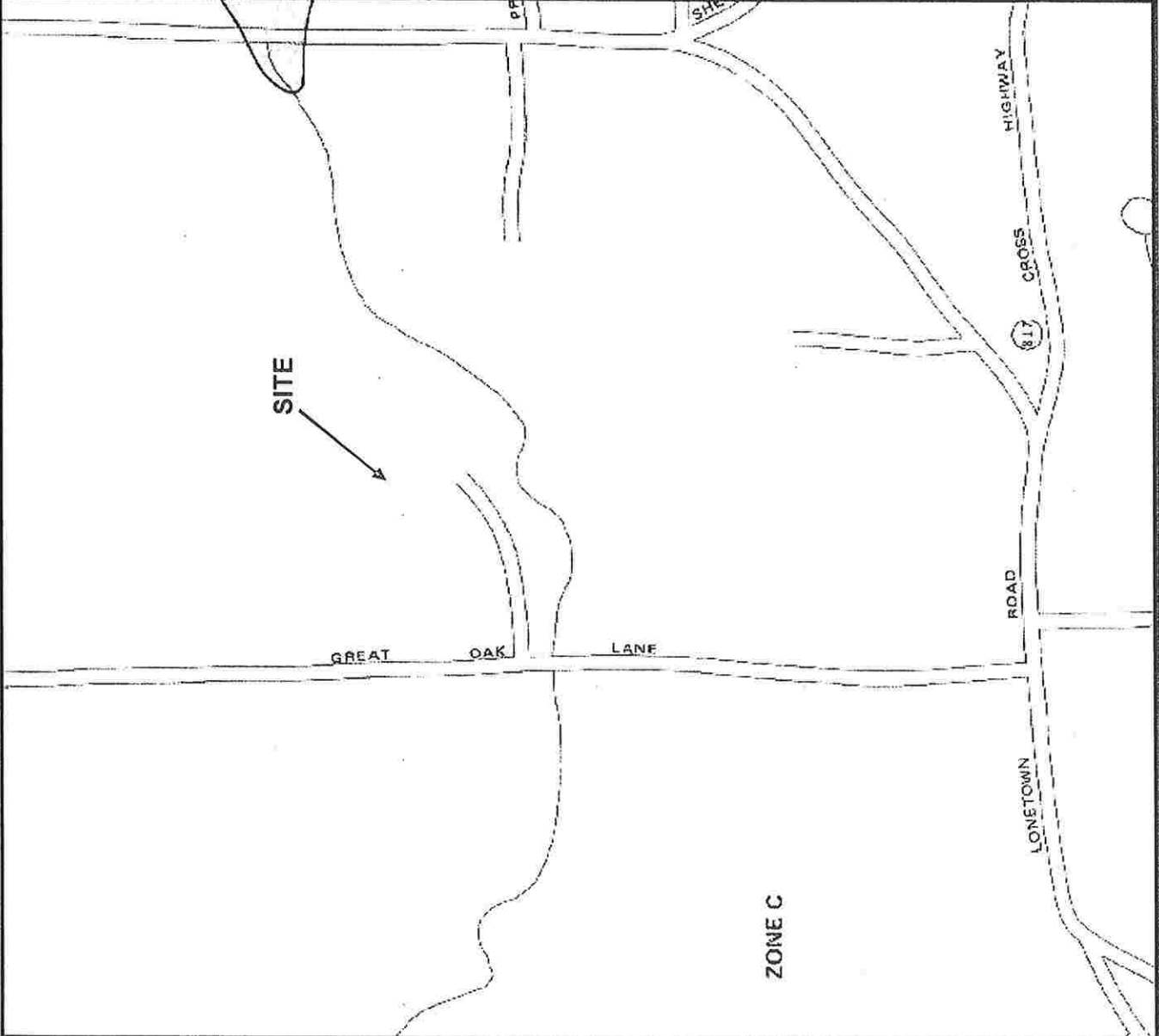
COMMUNITY-PANEL NUMBER  
 090141 0005 B

EFFECTIVE DATE:  
 JUNE 15, 1982



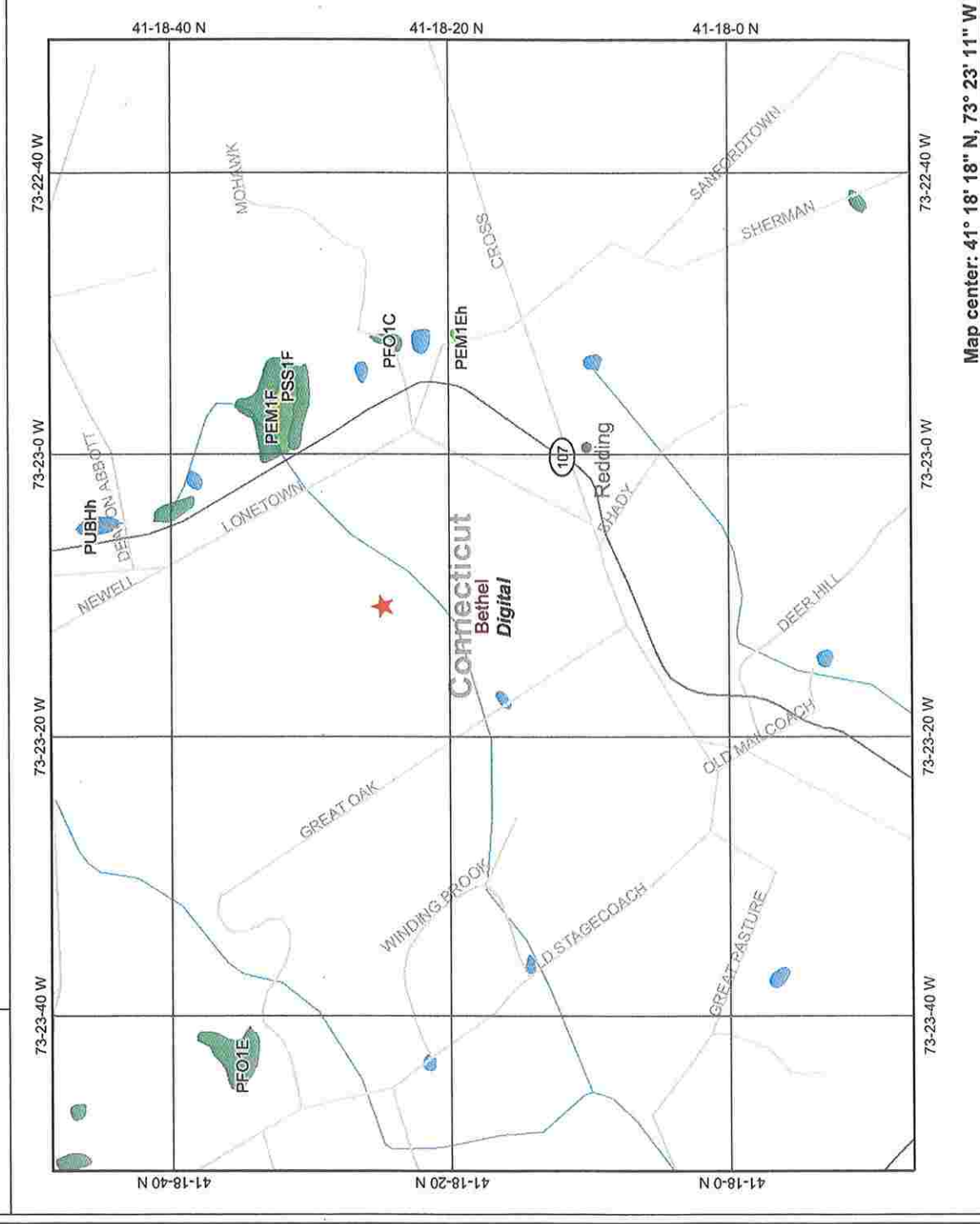
Federal Emergency Management Agency

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



## Natural Features/Wetlands Data

# NWI Map - Redding Highway Department - SR 943



Map center: 41° 18' 18" N, 73° 23' 11" W



### Legend

- Ohio\_wet\_scan
  - 0
  - 1
- Out of range
- Interstate
- Major Roads
- Other Road
- Interstate
- State highway
- US highway
- Roads
- Cities
- USGS Quad Index 24K
- Lower 48 Wetland Polygons
  - Estuarine and Marine Deepwater
  - Estuarine and Marine Wetland
  - Freshwater Emergent Wetland
  - Freshwater Forested/Shrub Wetland
  - Freshwater Pond
  - Lake
  - Other
  - Riverine
- Lower 48 Available Wetland Data
  - Non-Digital
  - Digital
  - No Data
  - Scan
- NHD Streams
- Courties 100K
- States 100K
- South America
- North America



Scale: 1:13,378

This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

## Tribal Consultation



# THE OTTERY GROUP

April 2, 2010

Tamara Francis  
Cultural Preservation Officer  
Delaware Nation  
31064 North Highway 281  
Anadarko, OK 73005

Re: Information Requested Through TCNS for #48778 (Redding Highway Department Telecommunications Site)

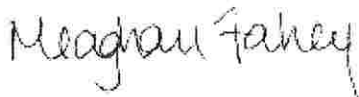
Dear Ms. Francis:

On behalf of AT&T Mobility, The Ottery Group is providing additional documentation for proposed telecommunications site that you have requested additional information through the FCC's Tower Construction Notification System (TCNS). The proposed site is Newtown, TCNS ID: 48778 located at 28 Great Oak Lane in Redding, CT.

The attached Archeological Assessment provides an overview of the planned tower construction as well as an assessment of archeological potential. The attachments to these reports contain a site location map and site plans (as available) as requested in your TCNS response.

If you have any questions or need any additional information, please do not hesitate to contact me by phone or email ([meaghan.fahey@otterygroup.com](mailto:meaghan.fahey@otterygroup.com)). Thank you for your interest and assistance in this matter.

Sincerely,  
**THE OTTERY GROUP, INC.**



Meaghan Fahey  
Environmental Scientist



The Delaware Nation  
Cultural Preservation Office  
31064 State Highway 281 ~ P.O. Box 825 ~ Anadarko, OK 73005  
Phone: 405/247-2448 ~ Fax: 405/247-8905

Library ext. 1196  
Museum ext. 1180  
NAGPRA ext. 1182  
Section 106 ext. 1180

Date: 5-7-10

Company: The Ottery Group

TCNS#/County/State: 48778, Fairfield Co., CT

To Whom It May Concern:

The Delaware Nation received a letter regarding the above referenced project(s). The Delaware Nation is committed to protecting sites important to tribal heritage, culture and religion. Furthermore, the tribe is particularly concerned with archaeological sites that may contain human burials, remains, and associated funerary objects.

As described in your correspondence and upon research of our database(s) and files, we find the Lenape people occupied these areas either historically or prehistorically. However, location of the project does not endanger known sites of interest to the Delaware Nation. Please continue with the project as planned. However, should this project inadvertently uncover an archaeological site or object(s) we request that you immediately contact the appropriate state agencies, as well as the Delaware Nation (within 24 hours). Also, we ask that you halt all construction and ground disturbing activities until the tribe and these state agencies are consulted.

Please note the Delaware Nation, the Delaware Tribe of Indians, and the Stockbridge Muncie Band of Mohican Indians are the only Federally Recognized Delaware/Lenape entities in the United States and consultation must be made only with designated staff of these three tribes. We appreciate your cooperation in contacting the Delaware Nation. Should you have questions, feel free to contact our offices at 405/247-8903 or by email: [tfrancis@delawarenation.com](mailto:tfrancis@delawarenation.com).

Sincerely,

Tamara Francis  
Cultural Preservation Director  
The Delaware Nation

-----Original Message-----

From: [towernotifyinfo@fcc.gov](mailto:towernotifyinfo@fcc.gov) [mailto:[towernotifyinfo@fcc.gov](mailto:towernotifyinfo@fcc.gov)]  
Sent: Thursday, February 05, 2009 9:22 AM  
To: ATTMobility NEPA  
Cc: [towernotifyinfo@fcc.gov](mailto:towernotifyinfo@fcc.gov); [KKnowles@mptn-nsn.gov](mailto:KKnowles@mptn-nsn.gov)  
Subject: Reply to Proposed Tower Structure (Notification ID #48778) -  
Email ID #2116921

Dear Kim Russell,

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 Kathleen Knowles of the Mashantucket Pequot Tribe in reference to Notification ID #48778:

Dear Ms Russell,  
Regarding Notification ID # 48778, please send requested attachments, and will this project result in ground disturbance?  
Kathleen Knowles,  
Tribal Historic Preservation Officer  
Mashantucket Pequot Tribe

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

Notification Received: 02/03/2009  
Notification ID: 48778  
Tower Owner Individual or Entity Name: AT&T Mobility, LLC  
Consultant Name: Kim Kim  
Street Address: 5601 LEGACY DRIVE  
MS A-3  
City: PLANO  
State: TEXAS  
Zip Code: 75024  
Phone: 469-229-7002  
Email: [ATTMobilityNEPA@att.com](mailto:ATTMobilityNEPA@att.com)

Structure Type: POLE - Any type of Pole  
Latitude: 41 deg 18 min 24.6 sec N  
Longitude: 73 deg 23 min 10.6 sec W  
Location Description: 28 Great Oak Street  
City: Redding  
State: CONNECTICUT  
County: FAIRFIELD  
Ground Elevation: 179.2 meters  
Support Structure: 54.9 meters above ground level  
Overall Structure: 54.9 meters above ground level  
Overall Height AMSL: 234.1 meters above mean sea level

-----Original Message-----

From: [towernotifyinfo@fcc.gov](mailto:towernotifyinfo@fcc.gov) [mailto:[towernotifyinfo@fcc.gov](mailto:towernotifyinfo@fcc.gov)]  
Sent: Friday, February 06, 2009 2:01 AM  
To: ATTMobility NEPA  
Cc: [kim.pristello@fcc.gov](mailto:kim.pristello@fcc.gov); [diane.dupert@fcc.gov](mailto:diane.dupert@fcc.gov)  
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER  
CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2114908

Dear Sir or Madam:

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

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

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

1. NAGPRA/CP Director Tamara Francis - Delaware Nation - Anadarko, OK - regular mail

Exclusions: The Delaware Nation located in Anadarko, Oklahoma charges a \$400 administrative fee for the review of ALL projects. (Change Effective 1/18/2008). We prefer not to review proposed collocation projects and request not to be notified of such projects.

Send fee payable to the Delaware Nation in the form of a check or money order. All projects for review by the Delaware Nation must pay the \$400 fee.

Please note that the Delaware Nation and the Delaware Tribe of Indians ARE NOT the same entity. Send all correspondence for the Delaware Nation to 31064 North Hwy 281, Anadarko, OK 73005. ATTN: NAGPRA/CP Office.

2. THPO Kathleen Knowles - Mashantucket Pequot Tribe - Mashantucket, CT - electronic mail

Exclusions: For every tower construction this Tribe requires a site location map, site plans for every project that will result in ground disturbance, and a detailed description of the proposed site. If the proposed tower construction is on an already existing building, the Tribe would like to be informed of that as well.

3. Cell Tower Coordinator Sequahna Mars - Narragansett Indian Tribe - Wyoming, RI - electronic mail and regular mail

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

None

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

4. SHPO John W Shannahan - Connecticut Historical Commission - Hartford, CT - electronic mail

5. SHPO Cara Metz - Massachusetts Historical Commission - Boston, MA - electronic mail

6. Deputy SHPO Brona Simon - Massachusetts Historical Commission - Boston, MA - electronic mail

7. SHPO Frederick C Williamson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - regular mail

8. Deputy SHPO Edward F Sanderson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - electronic mail

9. SHPO Karen J Senich - Connecticut Commission on Culture and Tourism - Hartford, CT - electronic mail

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

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your

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.

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8. Deputy SHPO Edward F Sanderson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - electronic mail

9. SHPO Karen J Senich - Connecticut Commission on Culture and Tourism - Hartford, CT - electronic mail

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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: 02/03/2009  
Notification ID: 48778  
Tower Owner Individual or Entity Name: AT&T Mobility, LLC  
Consultant Name: Kim Russell  
Street Address: 5601 LEGACY DRIVE  
MS A-3  
City: PLANO  
State: TEXAS  
Zip Code: 75024  
Phone: 469-229-7002  
Email: [ATTMobilityNEPA@att.com](mailto:ATTMobilityNEPA@att.com)

Structure Type: POLE - Any type of Pole  
Latitude: 41 deg 18 min 24.6 sec N  
Longitude: 73 deg 23 min 10.6 sec W  
Location Description: 28 Great Oak Street  
City: Redding  
State: CONNECTICUT  
County: FAIRFIELD  
Ground Elevation: 179.2 meters  
Support Structure: 54.9 meters above ground level  
Overall Structure: 54.9 meters above ground level  
Overall Height AMSL: 234.1 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



# THE OTTERY GROUP

April 2, 2010

Kathleen Knowles  
Tribal Historic Preservation Officer  
Mashantucket Pequot Tribe  
Mashantucket Pequot Museum and Research Center  
110 Pequot Trail  
Mashantucket, CT 06338-3180

Re: Information Requested Through TCNS for #48778 (Redding Highway Department Telecommunications Site)

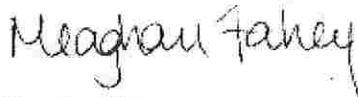
Dear Ms. Knowles:

On behalf of AT&T Mobility, The Ottery Group is providing additional documentation for proposed telecommunications site that you have requested additional information through the FCC's Tower Construction Notification System (TCNS). The proposed site is Newtown, TCNS ID: 48778 located at 28 Great Oak Lane in Redding, CT.

The attached Archeological Assessment provides an overview of the planned tower construction as well as an assessment of archeological potential. The attachments to these reports contain a site location map and site plans (as available) as requested in your TCNS response.

If you have any questions or need any additional information, please do not hesitate to contact me by phone or email ([meaghan.fahey@otterygroup.com](mailto:meaghan.fahey@otterygroup.com)). Thank you for your interest and assistance in this matter.

Sincerely,  
**THE OTTERY GROUP, INC.**



Meaghan Fahey  
Environmental Scientist

-----Original Message-----

From: [towernotifyinfo@fcc.gov](mailto:towernotifyinfo@fcc.gov) [<mailto:towernotifyinfo@fcc.gov>]  
Sent: Friday, April 09, 2010 5:07 PM  
To: ATTMobility NEPA  
Cc: [tcns.fccarchive@fcc.gov](mailto:tcns.fccarchive@fcc.gov); [KKnowles@mptn-nsn.gov](mailto:KKnowles@mptn-nsn.gov)  
Subject: Reply to Proposed Tower Structure (Notification ID: 48778) -  
Email ID #2455902

Dear Kim Russell,

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 Kathleen Knowles of the Mashantucket Pequot Tribe in reference to Notification ID #48778:

Dear Ms Russell,  
Regarding Notification ID # 48778, I have reviewed the Archeological Assessment entitled "ARCHEOLOGICAL ASSESSMENT FOR THE PROPOSED REDDING HIGHWAY DEPT. TELECOMMUNICATIONS FACILITY, 28 GREAT OAK LANE, REDDING, FAIRFIELD COUNTY, CT," submitted by The Ottery Group. The research design and testing meets acceptable professional standards, and I agree with the recommendations & conclusions. Please keep me informed of any further developments with respect to this project.  
Kathleen Knowles, Tribal Historic Preservation Officer  
Mashantucket Pequot Tribe

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

Notification Received: 02/03/2009  
Notification ID: 48778  
Tower Owner Individual or Entity Name: AT&T Mobility, LLC  
Consultant Name: Kim Kim  
Street Address: 5601 LEGACY DRIVE  
MS A-3  
City: PLANO  
State: TEXAS  
Zip Code: 75024  
Phone: 469-229-7002  
Email: [ATTMobilityNEPA@att.com](mailto:ATTMobilityNEPA@att.com)

Structure Type: POLE - Any type of Pole  
Latitude: 41 deg 18 min 24.6 sec N  
Longitude: 73 deg 23 min 10.6 sec W  
Location Description: 28 Great Oak Street  
City: Redding  
State: CONNECTICUT  
County: FAIRFIELD  
Ground Elevation: 179.2 meters

Support Structure: 54.9 meters above ground level  
Overall Structure: 54.9 meters above ground level  
Overall Height AMSL: 234.1 meters above mean sea level





## Town of Redding

REDDING, CONNECTICUT 06875

July 8, 2010

Christopher B. Fisher, Esq.  
Cuddy & Feder LLP  
445 Hamilton Avenue, 14<sup>th</sup> Floor  
White Plains, New York 10601

Re: AT&T Tower Facility  
Town Owned Property - Town Highway Garage  
Great Oak Lane, Redding, Connecticut  
Connecticut Siting Council Application

Dear Attorney Fisher:

Thank you for the update on the status of the above referenced matter and advising me that AT&T intends to file a Siting Council application in the next month or so.

As you know, the process that led to the Town of Redding's approval of a lease for the tower project at the Town's Highway Garage was the result of significant review over many months by the Town's Board of Selectmen and Planning Commission. That process included various hearings and meetings in Town pursuant to Section 8-24 of the Connecticut General Statutes and included the review of detailed information prepared by AT&T including coverage analyses, photographic simulations and other materials related to the tower project. As such, the Town's formal consideration of the project and lease, which lasted for over sixty days, was sufficient consultation for the Town's purposes and as it relates to Section 16-501 of the Connecticut General Statutes.

Please keep me apprised of the matter as you move closer to filing the AT&T application with the Siting Council.

Sincerely,

Natalie Ketcham  
First Selectman





Connecticut Commission on Culture & Tourism

June 7, 2010

Historic Preservation  
and Museum Division

Ms. Stacy P. Montgomery  
Ottery Group  
1810 August Drive  
Silver Spring, MD 20902

One Constitution Plaza  
Second Floor  
Hartford, Connecticut  
06103

860 261-8800  
860 261-3111

Subject: Proposed Telecommunications Facility  
28 Great Oak Lane  
Redding, Connecticut  
ATT Mobility

Dear Ms. Montgomery:

The State Historic Preservation Office is in receipt the above-referenced project, submitted for review and comment pursuant to the National Historic Preservation Act and in accordance with Federal Communications Commission regulations.

After an extensive field review of the proposed installation site in addition to the photosimulations and viewshed analysis submitted, this office has determined that while the facility will be constructed adjacent to the Redding Center National Register Historic District, the undertaking will have no adverse effect on cultural resources, with the following conditions:

1. the tower will be stealthed, as shown in the submission and
2. if not in use for six consecutive months, the antennae and equipment shall be removed by the telecommunications facility owner. This removal shall occur within 90 days of the end of such six-month period.

The State Historic Preservation Office appreciates the opportunity to provide Ottery Group with this evaluation. Please contact Susan Chandler, Historical Architect, should you have additional questions concerning this matter.

Sincerely,

David Bahlman  
Division Director and  
Deputy State Historic Preservation Officer

CONNECTICUT

OFFICE OF THE STATE HISTORIC PRESERVATION OFFICER

1000 Main Street  
Hartford, CT 06103

# THE OTTERY GROUP

March 31, 2010

Janice Dimon, President  
Redding Historical Society  
43 Lonetown Lane  
Redding, CT 06896

Re: Invitation to participate as a consulting party to the Section 106 review of the proposed AT&T Mobility "Redding Highway Department Telecommunications Facility" – 28 Great Oak Lane, Redding, CT 06896

Ms. Dimon:

Prior to the construction of a telecommunications facility by AT&T Mobility at 28 Great Oak Lane, in Redding, CT, The Ottery Group has submitted documentation to the Connecticut Commission on Culture and Tourism, Historic Preservation and Museum Division (SHPO) regarding the effect of the proposed undertaking on historic properties. As tower construction is regulated by the FCC, AT&T Mobility is required to consider the effects of planned undertakings on cultural resources for compliance with the National Environmental Policy Act (NEPA) as well as Section 106 of the National Historic Preservation Act. Pursuant to Section 106 requirements, this notification is being made to invite potentially interested parties that may desire to participate in the consultation process.

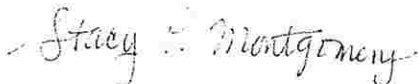
The proposed undertaking consists of the construction of a telecommunications facility at the above-referenced location. The proposed facility will consist of a 180-foot stealth monopole and associated equipment all contained within a 33x73-foot fenced compound.

If you have any questions, concerns, or comments regarding the proposed undertaking, please contact our office within 30 days of receipt of this notification. The project review staff at the Connecticut Commission on Culture and Tourism will have all documentation regarding this undertaking on file; however, I will be glad to furnish you with an electronic copy if requested. I look forward to your comments regarding the effects of the proposed undertaking.

If you have any questions or require more information please feel free to contact me by phone (301.562.1975) or email ([stacy.montgomery@otterygroup.com](mailto:stacy.montgomery@otterygroup.com)). I appreciate your assistance with this project.

Sincerely,

THE OTTERY GROUP, INC.



Stacy P. Montgomery  
Architectural Historian

1810 AUGUST DRIVE · SILVER SPRING, MARYLAND 20902 · 301.562.1975 (MAIN) · 301.562.1976 (FAX)  
[www.otterygroup.com](http://www.otterygroup.com)



# THE OTTERY GROUP

March 31, 2010

Raymond D'Angelo, President  
Redding Preservation Society  
P.O. Box 1154  
Redding Center, CT 06875

Re: Invitation to participate as a consulting party to the Section 106 review of the proposed AT&T Mobility "Redding Highway Department Telecommunications Facility" – 28 Great Oak Lane, Redding, CT 06896

Mr. D'Angelo:

Prior to the construction of a telecommunications facility by AT&T Mobility at 28 Great Oak Lane, in Redding, CT, The Ottery Group has submitted documentation to the Connecticut Commission on Culture and Tourism, Historic Preservation and Museum Division (SHPO) regarding the effect of the proposed undertaking on historic properties. As tower construction is regulated by the FCC, AT&T Mobility is required to consider the effects of planned undertakings on cultural resources for compliance with the National Environmental Policy Act (NEPA) as well as Section 106 of the National Historic Preservation Act. Pursuant to Section 106 requirements, this notification is being made to invite potentially interested parties that may desire to participate in the consultation process.

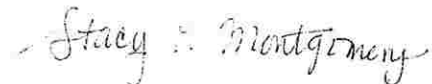
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If you have any questions or require more information please feel free to contact me by phone (301.562.1975) or email ([stacy.montgomery@otterygroup.com](mailto:stacy.montgomery@otterygroup.com)). I appreciate your assistance with this project.

Sincerely,

THE OTTERY GROUP, INC.



Stacy P. Montgomery  
Architectural Historian

1810 AUGUST DRIVE • SILVER SPRING, MARYLAND 20902 • 301.562.1975 (MAIN) • 301.562.1976 (FAX)

[www.otterygroup.com](http://www.otterygroup.com)

# THE OTTERY GROUP

March 31, 2010

Diane F. Taylor, Chairman  
Town of Redding Planning Commission  
Old Town House  
23 Cross Highway  
P.O. Box 1028  
Redding Center, CT 06875

Re: Invitation to participate as a consulting party to the Section 106 review of the proposed AT&T Mobility "Redding Highway Department Telecommunications Facility" – 28 Great Oak Lane, Redding, CT 06896

Ms. Taylor:

Prior to the construction of a telecommunications facility by AT&T Mobility at 28 Great Oak Lane, in Redding, CT, The Ottery Group has submitted documentation to the Connecticut Commission on Culture and Tourism, Historic Preservation and Museum Division (SHPO) regarding the effect of the proposed undertaking on historic properties. As tower construction is regulated by the FCC, AT&T Mobility is required to consider the effects of planned undertakings on cultural resources for compliance with the National Environmental Policy Act (NEPA) as well as Section 106 of the National Historic Preservation Act. Pursuant to Section 106 requirements, this notification is being made to invite potentially interested parties that may desire to participate in the consultation process.

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If you have any questions, concerns, or comments regarding the proposed undertaking, please contact our office within 30 days of receipt of this notification. The project review staff at the Connecticut Commission on Culture and Tourism will have all documentation regarding this undertaking on file; however, I will be glad to furnish you with an electronic copy if requested. I look forward to your comments regarding the effects of the proposed undertaking.

If you have any questions or require more information please feel free to contact me by phone (301.562.1975) or email ([stacy.montgomery@otterygroup.com](mailto:stacy.montgomery@otterygroup.com)). I appreciate your assistance with this project.

Sincerely,

THE OTTERY GROUP, INC.



Stacy P. Montgomery  
Architectural Historian

1810 AUGUST DRIVE • SILVER SPRING, MARYLAND 20902 • 301.562.1975 (MAIN) • 301.562.1976 (FAX)

[www.otterygroup.com](http://www.otterygroup.com)



## CERTIFICATION OF SERVICE

I hereby certify that on the \_\_\_\_\_ day of August, 2010 copies of AT&T's Application and Attachments for a Certificate of Environmental Compatibility and Public Need for the Construction, Maintenance and Operation of a Wireless Telecommunications Facility were sent by certified mail, return receipt requested, to the following:

### State and Regional

The Honorable Richard Blumenthal  
Attorney General  
Office of the Attorney General  
55 Elm Street  
Hartford, CT 06106

Department of Economic and Community  
Development  
Joan McDonald, Commissioner  
505 Hudson Street  
Hartford, CT 06106-71067

Department of Environmental Protection  
Amey Marrella, Commissioner  
79 Elm Street  
Third Floor  
Hartford, CT 06106

Department of Transportation  
Jeffery A. Parker, Commissioner  
2800 Berlin Turnpike  
Newington, CT 06131-7546

Department of Public Health  
J. Robert Galvin, Commissioner  
410 Capitol Avenue  
Hartford, CT 06134-0308

Department of Agriculture  
F. Philip Prelli, Commissioner  
165 Capitol Avenue  
Hartford, CT 06106

Council on Environmental Quality  
Karl J. Wagener, Executive Director  
79 Elm Street  
Hartford, CT 06106

Housatonic Valley Council of Elected Officials  
Jonathan Chew, Executive Director  
Old Town Hall  
162 Whisconier Road  
Brookfield, Connecticut 06804

Department of Public Utility Control  
Kevin M. DelGobbo, Chair  
10 Franklin Square  
New Britain, CT 06051

State Representative  
Hon. John Stripp  
135<sup>th</sup> Assembly District  
House Republican Office  
L.O.B. Room 4200  
Hartford, CT 06106

Office of Policy and Management  
Brenda L. Sisco, Acting Secretary  
450 Capitol Avenue  
Hartford, CT 06106-1308

State Senator  
Hon. Toni Boucher  
26<sup>th</sup> Senate District  
Senate Republican Office  
LOB Room 3400  
Hartford, CT 06106

**Federal**

Federal Aviation Administration  
800 Independence Avenue, SW  
Washington, DC 20591

Federal Communications Commission  
445 12<sup>th</sup> Street SW  
Washington, D.C. 20554

**Town of Redding**

Town of Redding  
Hon. Nancy Ketchum  
First Selectman  
Town Hall, 100 Hill Road  
Redding, CT 06896  
P.O. Box 1028  
Redding, CT 06875

Town of Redding  
Conservation Commission /  
Inland Wetlands Commission  
David R. Pattee, Chairman  
Old Town House, 23 Cross Hwy.  
Box 1028  
Redding Center, CT 06875

Ms. Michele R. Grande, CCTC  
Town Clerk  
Town Hall, 100 Hill Road  
Redding, CT 06896  
P.O. Box 1028  
Redding, CT 06875

Town of Redding  
Robert M. Flanagan  
Zoning Enforcement Officer /  
Wetlands & Conservation Officer  
10 Lonetown Rd  
P.O. Box 1028  
Redding, CT 06875

Town of Redding  
Planning Commission  
Diane F. Taylor, Chairman  
Old Town House, 23 Cross Hwy.  
Box 1028  
Redding Center, CT 06875

Town of Redding  
James Hennessey, Building Official  
10 Lonetown Rd  
PO Box 1161  
Redding, CT 06875

Town of Redding  
Zoning Commission  
Gerald L. Casiello, Chairman  
Old Town House, 23 Cross Hwy.  
Box 1028  
Redding Center, CT 06875

Dated \_\_\_\_\_

\_\_\_\_\_  
Cuddy & Feder LLP  
445 Hamilton Avenue, 14<sup>th</sup> Floor  
White Plains, New York 10601  
Attorneys for AT&T



# CERTIFICATE OF PUBLICATION

State of Connecticut  
County of Fairfield

ss Ridgefield

I, Thomas B. Nash, being duly cautioned and sworn depose and say that I am the Publisher of Hersam Acorn, LLC. and that there was printed in The Redding Pilot, a weekly paper published in the Town of Ridgefield, CT on July 15, 22, 2010 a copy of the attached order of notice.

*Thomas B. Nash*

Subscribed and sworn to this 23rd day of July 2010 before me.

*Linda Zarczynski*

Notary Public

Linda Zarczynski

My Commission Exp. Oct. 31, 2013

## NOTICE

Notice is hereby given, pursuant to Section 16-501(b) of the Connecticut General Statutes and Section 16-501-1(e) of the Regulations of Connecticut State Agencies of an Application to be filed with the Connecticut Siting Council ("Siting Council") on or after July 30, 2010 by New Cingular Wireless PCS, LLC ("AT&T" or the "Applicant") for a certificate of environmental compatibility and public need for the construction and maintenance of a wireless telecommunications facility in Redding, Connecticut. The property being considered for the proposed wireless telecommunications facility (the "Facility") is located at 28 Great Oak Lane also known as the Redding Highway Department. The proposed Facility will be located on the northern portion of the parcel behind existing Town Highway Department buildings and is proposed as a 180-foot self-supporting

tower with concealed antennas (generally referred to as a "flagpole" tower). The tower, antennas and ground equipment will all be within a 33' x 73' fenced equipment compound designed to accommodate unmanned equipment in either single-story equipment buildings or on concrete pads. Access to the Facility will be over an existing asphalt driveway as well as a portion of an existing gravel access drive.

The location, height and other features of the proposed Facility are subject to review and potential change under provisions of the Connecticut General Statutes Sections 16-50g et. seq.

The Facility is being proposed to allow AT&T to provide service in this area of Town. The Application explains the need, purpose

and benefits of the Facility and also describes the environmental impacts of the proposed Facility. The Facility will be available for co-location by other wireless carriers.

A balloon, representative of the proposed height of the monopole, will be flown at the proposed site on the first day of the Siting Council public hearing on the Application, which will take place in Town, or such other date specified by the Siting Council and a time to be determined by the Siting Council, but anticipated to be between the hours of 12pm and 5pm.

Interested parties and residents of the Town of Redding, Connecticut are invited to review the Application during normal business hours after July 30, 2010 at any of the following offices:

Connecticut Siting Council  
10 Franklin Square  
New Britain, CT  
06051

Michele R. Grande, CCTC  
Redding Town Clerk  
Redding Town Hall  
100 Hill Road  
Redding, CT 06896

or the offices of the undersigned. All inquiries should be addressed to the Connecticut Siting Council or to the undersigned.

Christopher B. Fisher, Esq.  
Daniel M. Laub, Esq.  
Cuddy & Feder LLP  
445 Hamilton Ave,  
14th Floor  
White Plains,  
New York 10601  
(914) 761-1300  
Attorneys for the Applicant

**VIA CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

**DRAFT**

Re: AT&T  
Proposed Wireless Telecommunications Tower Facility  
28 Great Oak Lane, Redding, Connecticut

Dear Mr. & Mrs. :

We are writing to you on behalf of our client AT&T with respect to the above referenced matter and our client's intent to file an application with the State of Connecticut Siting Council for approval of a proposed wireless communications tower facility (the "Facility") within the Town of Redding. State law requires that owners of record of property that abuts a parcel on which a facility is proposed be sent notice of an applicant's intent to file an application.

The property being considered for the proposed wireless telecommunications Facility is located at 28 Great Oak Lane on Town of Redding Highway Department property. The Facility compound is on the northern portion of the parcel behind existing Highway Department buildings. AT&T proposes a 180-foot self-supporting stealth tower with concealed antennas (generally referred to as a "flagpole" tower) and a 33'x 73' fenced equipment compound designed to accommodate unmanned equipment in either single-story equipment buildings or on concrete pads. Access to the Facility will be over an existing asphalt driveway as well as a portion of an existing gravel access drive.

The location, height and other features of the proposed Facility are subject to review and potential change by the Connecticut Siting Council under the provisions of Connecticut General Statutes §16-50g et seq.

If you have any questions concerning this application, please do not hesitate to contact the Connecticut Siting Council or the undersigned after July 30, 2010, the date which the application is expected to be on file.

Very truly yours,

Daniel M. Laub

DML/ec



**CERTIFICATION OF SERVICE**

I hereby certify that on the 21<sup>st</sup> day of July 2010 a copy of the foregoing letter was mailed by certified mail, return receipt requested to each of the abutting properties owners on the accompanying list.

August 3, 2010  
Date



Cuddy & Feder LLP  
445 Hamilton Avenue, 14<sup>th</sup> Floor  
White Plains, New York 10601

Attorneys for:  
AT&T

**ADJACENT PROPERTY OWNERS**  
**28 Great Oak Lane, Connecticut**

The following information was collected from the Town of Redding's Tax Assessors' records

**Property Owners and Mailing Addresses**

Town of Redding Elementary School  
33 Lonetown Rd.  
Redding, CT 06896

Timothy & Heidi O'Connor  
19 Great Oak Lane  
Redding, CT 06896

Estate of Karen Casazza  
25 Lonetown Rd.  
Redding, CT 06896

Diane D. Augustine  
27 Great Oak Lane  
Redding, CT 06896

Craig C. & Madonna R. Tiefenthaler  
22 Great Oak Lane  
Redding, CT 06896

Rachel Rothschild  
35 Great Oak Lane  
Redding, CT 06896

Andrea L. & Ronald E. Brundage  
36 Great Oak Lane  
Redding, CT 06896

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Andrea L. & Ronald E. Brundage  
36 Great Oak Lane  
Redding, CT 06896

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 *Ron Brundage*  Agent  
 Addressee

B. Received by (Printed Name) \_\_\_\_\_ C. Date of Delivery *2/22/04*

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

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

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number  
 (Transfer from service label) **7006 2760 0005 5338 6646**

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Rachel Rothschild  
35 Great Oak Lane  
Redding, CT 06896

2. Article Number  
 (Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 *Rachel Rothschild*  Agent  
 Addressee

B. Received by (Printed Name) \_\_\_\_\_ C. Date of Delivery *2/22/04*

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

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

4. Restricted Delivery? (Extra Fee)  Yes

**7006 2760 0005 5338 6639**

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-15

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Diane D. Augustine  
27 Great Oak Lane  
Redding, CT 06896

2. Article Number  
 (Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 *Diane Augustine*  Agent  
 Addressee

B. Received by (Printed Name) \_\_\_\_\_ C. Date of Delivery *2/24/04*

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

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

4. Restricted Delivery? (Extra Fee)  Yes

**7006 2760 0005 5338 6622**

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-15

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Timothy & Heidi O'Connor  
19 Great Oak Lane  
Redding, CT 06896

2. Article Number  
(Transfer from service label)

7006 2760 0005 5338 6615

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-11

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

*Heidi O'Connor*  Agent  
 Addressee

B. Received by (Printed Name)

Heidi O'Connor

C. Date of Delivery

8/2/03

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)  Yes**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Craig C. & Madonna R. Tiefenthaler  
22 Great Oak Lane  
Redding, CT 06896

2. Article Number  
(Transfer from service label)

7006 2760 0005 5338 6608

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-11

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

*Madonna Tiefenthaler*  Agent  
 Addressee

B. Received by (Printed Name)

Madonna Tiefenthaler

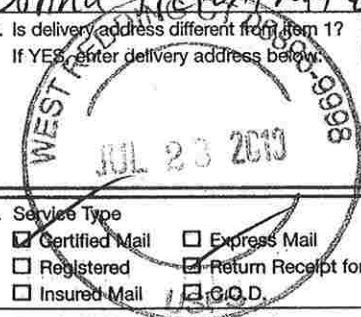
C. Date of Delivery

8/2/03

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)  Yes

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Estate of Karen Casazza  
25 Lonetown Rd.  
Redding, CT 06896

2. Article Number  
(Transfer from service label)

7006 2760 0005 5338 6592

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

x

 Agent  
 Addressee

B. Received by (Printed Name)

A. Casazza

C. Date of Delivery

7-26-10

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

 Yes**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Town of Redding Elementary School  
33 Lonetown Rd.  
Redding, CT 06896

2. Article Number  
(Transfer from service label)

7006 2760 0005 5338 6585

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-15

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

x

 Agent  
 Addressee

B. Received by (Printed Name)

M. Sanford

C. Date of Delivery

7-27-10

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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

 Yes



Application Guideline	Location in Application
<b>(A)</b> An Executive Summary on the first page of the application with the address, proposed height, and type of tower being proposed. A map showing the location of the proposed site should accompany the description;	I.B: Executive Summary, pages 1-4  Attachment 3: Description and Design of Proposed Facility
<b>(B)</b> A brief description of the proposed facility, including the proposed locations and heights of each of the various proposed sites of the facility, including all candidates referred to in the application;	I.B: Executive Summary, pages 1-4  V: Facility Design: pages 10-11
<b>(C)</b> A statement of the purpose for which the application is made;	I.A: Purpose and Authority, page 1
<b>(D)</b> A statement describing the statutory authority for such application;	I.A: Purpose and Authority, page 1
<b>(E)</b> The exact legal name of each person seeking the authorization or relief and the address or principle place of business of each such person. If any applicant is a corporation, trust, or other organized group, it shall also give the state under the laws of which it was created or organized;	I.C: The Applicant, pages 1
<b>(F)</b> The name, title, address, and telephone number of the attorney or other person to whom correspondence or communications in regard to the application are to be addressed. Notice, orders, and other papers may be served upon the person so named, and such service shall be deemed to be service upon the applicant;	I.C: The Applicant, pages 4-5
<b>(G)</b> A statement of the need for the proposed facility with as much specific information as is practicable to demonstrate the need including a description of the proposed system and how the proposed facility would eliminate or alleviate any existing deficiency or limitation;	III.A: Statement of Need, pages 6-8  Attachment 1: Statement of RF Need with Coverage Plots
<b>(H)</b> A statement of the benefits expected from the proposed facility with as much specific information as is practicable;	III.B: Statement of Benefits, pages 7-8
<b>(I)</b> A description of the proposed facility at the proposed prime and alternative sites including: <ol style="list-style-type: none"> <li><b>(1)</b> Height of the tower and its associated antennas including a maximum "not to exceed height" for the facility, which may be higher than the height proposed by the Applicant;</li> <li><b>(2)</b> Access roads and utility services;</li> <li><b>(3)</b> Special design features;</li> <li><b>(4)</b> Type, size, and number of transmitters and receivers, as well as the signal frequency and conservative worst-case and estimated operational level approximation of electro magnetic radiofrequency power density levels (facility using FCC Office of Engineering and Technology Bulletin 65, August 1997) at the base of the tower base, site compound boundary where persons are likely to be exposed to maximum power densities from the facility;</li> <li><b>(5)</b> A map showing any fixed facilities with which the proposed facility would interact;</li> </ol>	I.B. Executive Summary, pages 1-4  V: Facility Design, pages 10-11  Attachment 3: Description and Design of Proposed Facility  VI.C: Power Density, pages 12-13  Attachment 1: Statement of RF Need with Coverage Plots  Attachment 5: Environmental Assessment

Application Guideline	Location in Application
<p>(6) The coverage signal strength, and integration of the proposed facility with any adjacent fixed facility, to be accompanied by multi-colored propagation maps of red, green and yellow (exact colors may differ depending on computer modeling used, but a legend is required to explain each color used) showing interfaces with any adjacent service areas, including a map scale and north arrows; and</p> <p>(7) For cellular systems, a forecast of when maximum capability would be reached for the proposed facility and for facilities that would be integrated with the proposed facility.</p>	<p>Attachment 1: Statement of RF Need with Coverage Plots</p>
<p>(J) A description of the named sites, including :</p> <p>(1) The most recent U.S.G.S. topographic quadrangle map (scale 1 inch = 2000 feet) marked to show the site of the facility and any significant changes within a one mile radius of the site;</p> <p>(2) A map (scale not less than 1 inch = 200 feet) of the lot or tract on which the facility is proposed to be located showing the acreage and dimensions of such site, the name and location of adjoining public roads or the nearest public road, and the names of abutting owners and the portions of their lands abutting the site;</p> <p>(3) A site plan (scale not less than 1 inch = 40 feet) showing the proposed facility, fall zones, existing and proposed contour elevations, 100 year flood zones, waterways, and all associated equipment and structures on the site;</p> <p>(4) Where relevant, a terrain profile showing the proposed facility and access road with existing and proposed grades; and</p> <p>(5) The most recent aerial photograph (scale not less than 1 inch = 1000 feet) showing the proposed site, access roads, and all abutting properties.</p>	<p>Attachment 3: Description and Design of Proposed Facility</p> <p>Attachment 4: Visual Resource Evaluation Report</p>
<p>(K) A statement explaining mitigation measures for the proposed facility including:</p> <p>(1) Construction techniques designed to specifically minimize adverse effects on natural areas and sensitive areas;</p> <p>(2) Special design features made specifically to avoid or minimize adverse effects on natural areas and sensitive areas;</p> <p>(3) Establishment of vegetation proposed near residential, recreation, and scenic areas; and</p> <p>(4) Methods for preservation of vegetation for wildlife habitat and screening.</p>	<p>Attachment 3: Description and Design of Proposed Facility</p> <p>VI: Environmental Compatibility, pages 11-14</p> <p>Attachment 5: Environmental Assessment Statement</p>
<p>(L) A description of the existing and planned land uses of the named sites and surrounding areas;</p>	<p>VII.D: Planned and Existing Land Uses, pages 11-14</p>
<p>(M) A description of the scenic, natural, historic, and recreational characteristics of the named sites and surrounding areas including officially designated nearby hiking trails and scenic roads;</p>	<p>VI: Environmental Compatibility, pages 11-14</p> <p>Attachment 3: Environmental Assessment Statement</p>



Application Guideline	Location in Application
(N) Sight line graphs to the named sites from visually impacted areas such as residential developments, recreational areas, and historic sites;	Attachment 4: Visual Resource Evaluation Report
(O) A list describing the type and height of all existing and proposed towers and facilities within a four mile radius within the site search area, or within any other area from which use of the proposed towers might be feasible from a location standpoint for purposes of the application;	IV.A: Site Selection, pages 8-10 Attachment 2: Site Search Summary
(P) A description of efforts to share existing towers, or consolidate telecommunications antennas of public and private services onto the proposed facility including efforts to offer tower space, where feasible, at no charge for space for municipal antennas;	IV.A: Site Selection, pages 8-10 IV.B: Tower Sharing, page 10 V: Facility Design, pages 10-11 Attachment 2: Site Search Summary
(Q) A description of the technological alternatives and a statement containing justification for the proposed facility;	III.C: Technological Alternatives, page 8 Attachment 1: Statement of RF Need with Coverage Plots
(R) A description of rejected sites with a U.S.G.S. topographic quadrangle map (scale 1 inch = 2,000 feet) marked to show the location of rejected sites;	IV.A: Site Selection, pages 8-10 Attachment 2: Site Search Summary
(S) A detailed description and justification for the site(s) selected, including a description of siting criteria and the narrowing process by which other possible sites were considered and eliminated, including, but not limited to, environmental effects, cost differential, coverage lost or gained, potential interference with other facilities, and signal loss due to geographical features compared to the proposed site(s);	IV.A: Site Selection, pages 8-10 Attachment 2: Site Search Summary
(T) A statement describing hazards to human health, if any, with such supporting data and references to regulatory standards;	VI: Environmental Compatibility, pages 11-14
(U) A statement of estimated costs for site acquisition, construction, and equipment for a facility at the various proposed sites of the facility, including all candidates referred to in the application;	IX.A: Overall Estimated Cost, page 17
(V) A schedule showing the proposed program of site acquisition, construction, completion, operation and relocation or removal of existing facilities for the named sites;	IX.B: Overall Scheduling, page 17
(W) A statement indicating that, weather permitting, the applicant will raise a balloon with a diameter of at least three feet, at the sites of the various proposed sites of the facility, including all candidates referred to in the application, on the	VI. A: Visual Assessment, pages 11-12

Application Guideline	Location in Application
<p>day of the Council’s first hearing session on the application or at a time otherwise specified by the Council. For the convenience of the public, this event shall be publicly noticed at least 30 days prior to the hearing on the application as scheduled by the Council; and</p>	
<p>(X) Such information as any department or agency of the state exercising environmental controls may, by regulation, require including:</p> <p>1. A listing of any Federal, State, regional, district, and municipal agencies, including but not limited to the Federal Aviation Administration; Federal Communications Commission; State Historic Preservation Officer; State Department of Environmental Protection; and local conservation, inland wetland, and planning and zoning commissions with which reviews were conducted concerning the facility, including a copy of any agency position or decision with respect to the facility; and</p> <p>2. The most recent conservation, inland wetland, zoning, and plan of development documents of the municipality, including a description of the zoning classification of the site and surrounding areas, and a narrative summary of the consistency of the project with the Town’s regulations and plans.</p>	<p>VI: Environmental Compatibility, pages 11-14</p> <p>Attachment 8: Correspondence with State Agencies</p> <p>Attachment 6: FCC/NEPA Environmental Compliance Report and Correspondence</p> <p>Attachment 7: Correspondence from the Town of Redding</p> <p>VII: Consistency with the Town of Redding's Land Use Regulations, pages 14-16</p> <p>Bulk Filing</p>
<p>(Y) Description of proposed site clearing for access road and compound including type of vegetation scheduled for removal and quantity of trees greater than six inches diameter at breast height and involvement with wetlands;</p>	<p>V: Facility Design, pages 10-11</p>
<p>(Z) Such information as the applicant may consider relevant.</p>	