



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
95 BALANCE ROCK ROAD IN THE TOWN OF
HARTLAND, CONNECTICUT

DOCKET NO. _____

October 13, 2010

APPLICATION FOR CERTIFICATE OF
ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED

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

TABLE OF CONTENTS

Page

I. Introduction 3

 A. Purpose and Authority 3

 B. Executive Summary 3

 C. The Applicant 4

 D. Application Fee 5

 E. Compliance with CGS Section 16-50/(c) 5

II. Service and Notice Required by CGS Section 16-50/(b) 5

III. Statements of Need and Benefits 6

 A. Statement of Need 6

 B. Statement of Benefits 7

 C. Technological Alternatives 8

IV. Site Selection and Tower Sharing 8

 A. Site Selection 8

 B. Tower Sharing 10

V. Facility Design 10

VI. Environmental Compatibility 12

 A. Visual Assessment 12

 B. Solicitation of State and Federal Agency Comments 12

 C. Power Density 13

 D. Implementation of Watershed Protection 13

 E. Other Environmental Factors 14

VII. Consistency with the Town of Hartland's Land Use Regulations 15

 A. Hartland's Plan of Conservation and Development 15

 B. Hartland's Zoning Regulations and Zoning Classification 16

 C. Local Zoning Guidelines and Dimensional Requirements 16

 D. Planned and Existing Land Uses 17

 E. Hartland's Inland Wetlands and Watercourses Regulations 17

VIII. Consultations with Local Officials 18

IX. Estimated Cost and Schedule 19

 A. Overall Estimated Cost 19

 B. Overall Scheduling 19

X. Conclusion 19

LIST OF ATTACHMENTS

1. Statement of RF Need with Coverage Plots
2. Site Search Summary with Map Identifying Sites Searched and Existing Tower/Cell Sites Listing
3. Description and Design of Proposed Facility with Drawings, Topographical Map, Aerial Map and TOWAIR Report
4. Environmental Assessment with Wetlands Delineation Report, Tree Removal Information, Power Density Report, Phase II Report and Memo Regarding Watershed Protection
5. Visual Analysis Report
6. FCC/NEPA Environmental Compliance Report and Correspondence
7. Correspondence with the Department of Environmental Protection (DEP)
8. Correspondence with the State Historic Preservation Officer (SHPO)
9. Relevant Correspondence with the Town of Hartland¹
10. Certification of Service on Governmental Officials including List of Officials Served
11. Copy of legal notice published in the Hartford Courant; Notice to Abutting Landowners; Certification of Service; List of Abutting Landowners
12. Connecticut Siting Council Application Guide

¹ A Copy of the Technical Report submitted to the Town is included in the Bulk Filing.

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 95 BALANCE ROCK
ROAD IN THE TOWN OF HARTLAND

DOCKET NO. _____

October 13, 2010

**APPLICATION FOR CERTIFICATE OF
ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED**

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 Hartland. 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 in the eastern portion of Hartland along Route 20 and surrounding areas. The Facility itself is proposed on property owned by the Ring Mountain Hunt Club.

B. Executive Summary

The site of AT&T’s proposed Facility is 95 Balance Rock Road, an approximately 12 acre parcel on which a small hunting lodge and associated shooting range is located. The

proposed Facility consists of a new 190' monopole and associated unmanned equipment located adjacent to an existing building. As a result of discussions with the Town of Hartland as part of the municipal consultation, AT&T shifted the proposed monopole location approximately 110' north so that a tower height setback lies substantially within the subject property lines. AT&T will mount up to twelve (12) panel antennas on a low profile platform at a centerline height of 187' above grade level (AGL). A 12' by 20' equipment shelter will be installed adjacent to the tower within a 60' x 85' fenced gravel compound. Vehicular access to the facility will be provided over an existing gravel access drive from Balance Rock Road, a distance of approximately 110 feet, then along a new 12-foot wide gravel access drive a distance of approximately 72 feet. Utilities to serve the proposed facility will extend from utility pole number 2253 on Balance Rock Road overhead along replacement utility poles on the property and then underground to the equipment compound along an easement area on the eastern side of the lease area. 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 12.

C. The Applicant

The Applicant, New Cingular Wireless PCS, LLC ("AT&T"), 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, 14th Floor
White Plains, New York 10601
(914) 761-1300
Attn: Lucia Chiocchio, Esq.
Christopher B. Fisher, Esq.

A copy of all correspondence shall also be sent to:

AT&T
500 Enterprise Drive
Rocky Hill, Connecticut 06067
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 16-50l(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 16-50l(c).

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

Pursuant to CGS Section 16-50l(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 10. Pursuant to CGS 16-50l(b), notice of the Applicant's intent to submit this

application was published on two occasions in Hartford Courant, the paper utilized for publication of planning and zoning notices in the Town. A copy of the published legal notice is included in Attachment 11. The publisher's affidavit of publication will be forwarded upon receipt. Further, in compliance with CGS 16-50(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, and the list of property owners to whom the notice was mailed are included in Attachment 11.

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 Telecommunication 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, 104th 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 importance of wireless service was recently recognized by President Barack Obama. In a December 2, 2009 proclamation, the President proclaimed that cellular phone towers (among other assets) are

critical infrastructure vital to the United States. (See Proclamation 8460-Critical Infrastructure Protection Month, December 2, 2009).

The Facility proposed in this Application is an integral component of AT&T's network in its FCC licensed areas throughout the State. Currently, a gap in coverage exists in the eastern portion of Hartland along Route 20 and surrounding areas. The proposed Facility, in conjunction with other existing facilities in Hartland is needed by AT&T to provide its wireless services to people living in and traveling through this area of the State. 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 Hartland.

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 hikers. 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.

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 a significant coverage gap in a rural area of the state. As such, they 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 began its investigation of the area with benchmark drive data on a gap in its wireless coverage in eastern Hartland. AT&T then established a "site search area" in the general geographical location where the installation of a wireless facility would address the 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 avoidance. 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. Included in Attachment 2 is a map of AT&T's original site search area established in Hartland. AT&T began its search with investigation of existing communication towers and structures. Analysis of the communication structures and facilities within four miles of the search area indicated that these structures would not provide adequate coverage to the area where service is needed, or AT&T is currently using the structure to provide service to another area.

As such, and only after determining that no existing structures could be used to provide the needed coverage in this area, AT&T commenced a search for tower sites. The search included review by AT&T radiofrequency engineers and investigative visits by AT&T consultants. Much of the search area is dominated by the Tunxis State Forest and the Barkhamsted Reservoir (MDC property); legally limiting available candidates. Leasing state park and forest lands for the development of wireless telecommunications facilities is restricted by state law and Department of Environmental Protection (DEP) policy and Class I/II watershed lands are precluded as siting options by state law.

AT&T ultimately identified twelve properties in and out of the search area as potential candidates. For various reasons, all but one of these properties was not viable for coverage reasons or availability. As detailed in Attachment 2, there simply are not significant siting options in this area of Hartland.

Accordingly, as part of AT&T's due diligence one site was identified. The proposed site, located at 95 Balance Rock Road, consists of an approximately 12 acre parcel of property owned by the Ring Mountain Hunt Club.

B. Tower Sharing

To maximize co-location opportunities and minimize the potential for towers needed by other carriers, AT&T proposes a 190' monopole tower and facility compound that can accommodate at least three additional carriers' antenna platforms. In addition, AT&T notified Hartland that space could be made available on the tower for municipal antennas if the Town determined there was a specific need.

V. **Facility Design**

AT&T has leased a 10,000 square foot area on an approximately 12 acre parcel of property located at 95 Balance Rock Road and owned by the Ring Mountain Hunt Club. The proposed Facility would consist of a 190' high self-supporting monopole within a 60' x 85' fenced equipment compound located in the southwestern portion of the property. As a result of discussions with the Town of Hartland as part of the municipal consultation, AT&T shifted the tower location approximately 110' to north from the location shown in the Technical Report so that the tower height radius would lie substantially within the property boundaries. AT&T would install up to twelve (12) panel antennas on a platform at a centerline height of approximately 187' AGL and unmanned equipment within the compound. The compound would be enclosed by an 8' tall chain link fence with privacy slats.

Both the monopole and the equipment compound are designed to accommodate the facilities of at least three other wireless carriers. Vehicle access to the compound will extend from Balance Rock Road north-westerly along an existing paved access drive a distance of approximately 110' then along a new gravel access drive extension approximately 72' to the equipment compound. Electric and telephone utilities will be extended from an existing utility pole (number 2253) on Balance Rock Road overhead along replacement utility poles on the

property and then underground to the compound along an easement area to the east of the Facility.

Attachments 3 and 4 contain 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 5 is a Visual Analysis Report. Some of the relevant information included in Attachments 3, 4 and 5 reveals that:

- The property is classified locally in the Town of Hartland's Residential zoning district;
- Moderate grading and clearing of the proposed access drive and compound area would be required for the construction of the proposed Facility;
- The proposed Facility will have no impact on water flow, water quality, or air quality;
- A wetlands delineation report indicates that there are no wetlands located within the lease area;
- Year-round visibility of the proposed tower is limited to approximately 0.02% of the more than 8,000 acre study area and seasonal visibility is limited to less than 0.2% of the study area;
- The monopole will not be visible from the Tunxis Forest Ski Cabin, a resource listed on the National Register of Historic Places;
- A Phase II Environmental Assessment evaluation indicates that the soils at the site have not been significantly impacted by the shooting range; and
- Upon review of an ornithological survey, the Connecticut Department of Environmental Protection (DEP) determined that the site is not a suitable habitat for the Northern saw-whet owl, a species of special concern.

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 a significant adverse environmental impact. See: Memorandum prepared by The Ottery Group included in Attachment 6.

A. Visual Assessment

The visual impact of the proposed Facility is not significant. Included in Attachment 5 is a Visual Analysis 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 distant to the site. Indeed, anticipated year-round views of the monopole are merely 0.02% of the 8,042 acre study area. The proposed monopole will not be visible from any of the sensitive visual receptors located within the study area, including the Tunxis Forest Ski Cabin.

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. An affidavit demonstrating the Siting Council's noticed balloon float will be provided.

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 6, 7 and 8. AT&T submitted requests for review from Federal, State and Tribal

entities including the United States Fish & Wildlife (“USFW”) Service and the Connecticut State Historic Preservation Officer (“SHPO”).

AT&T’s consultants conducted an ornithological survey of the Northern Saw-whet owls, a state species of special concern. Upon review of the ornithological survey, the DEP concurred with the conclusion that the site does not reveal any potential nest cavities and it is not likely that the Northern Saw-whet owls are breeding on the proposed site. The DEP also concluded that the proposed facility will not impact bald eagles. A copy of DEP's April 23, 2010 determination is included in Attachment 7.

Based on review of materials provided to it, SHPO determined that the proposed Facility will have no adverse impact on the Tunxis State Forest Ski Cabin and that the proposed Facility will have no effect on archaeological resources. A copy of SHPO's January 21, 2010 determination is included in Attachment 8.

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

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 and is included herein as part of Attachment 4. As demonstrated in this report, the calculated worst-case emissions from the site are only 3.62% of the MPE standard.

D. Implementation of Watershed Protection

The site of AT&T's proposed Facility is located within the Barkhamsted Reservoir public drinking water supply watershed. The Barkhamsted Reservoir is owned and operated by The Metropolitan District (MDC). As such, certain precautions, monitoring and notifications are

required by MDC to protect the watershed. Details of these precautions, monitoring activities and notifications are detailed in a memorandum prepared by VHB and included in Attachment 4. The recommendations detailed therein can be incorporated into any Development & Management (D&M) Plan.

E. Other Environmental Factors

The proposed Facility would be unmanned, requiring 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 3, 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, no FAA lighting or marking would 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.

AT&T also commissioned a Phase II Environmental Assessment to evaluate the impact, if any, of the shooting range on the site. The Phase II investigation indicates that the soils at the site have not been significantly impacted by the shooting range. Indeed, analysis of soil samples indicates that the lead levels in the soil are well below the Connecticut Remediation Standard Regulation for lead in soils. A copy of the Phase II Environmental Assessment Report is included in Attachment 4.

VII. Consistency with the Town of Hartland's Land Use Regulations

Pursuant to the Council’s Application Guide, included in this section is a narrative 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. Hartland’s Plan of Conservation and Development

The Town of Hartland 2007 Plan of Conservation and Development does not specifically identify wireless communication facilities as a land use. Nevertheless, it is respectfully submitted that AT&T’s proposed Facility will enhance the Town’s goals for ensuring that the Town's public safety needs are satisfied and that the Town's facilities are adequate by providing infrastructure for communications. A copy of the 2007 Plan of Conservation and Development is included in the Bulk Filing.

B. Town of Hartland's Zoning Regulations and Zoning Classification

The proposed Facility site is classified in the Town of Hartland’s R-1 (“Rural Residential”) Zoning District.

Section IX-4-1 of the Town’s Zoning Regulations sets forth an order of preference for the location of wireless facilities with the attachment of antennas to existing towers and structures as the most preferred location. “Ground-Mounted Towers” as defined in the Town’s Zoning Regulations and which involve new towers are special exception uses in all districts subject to Site Plan Approval. See Applicant’s Bulk Filing, Section 1.

Sections IX-4, IX-5 and IX-10 of the Town of Hartland Zoning Regulations set forth the standards and dimensional requirements for proposed ground-mounted towers. Consistency of the proposed Facility with these guidelines is illustrated in the table below. The first two columns include the guidelines and the third column applies these standards to the proposed AT&T monopole Facility.

C. Local Zoning Guidelines and Dimensional Requirements

Section from the Zoning Regulations	Standard or Preference	Proposed Facility
IX 4-2.B	Camouflage and Color: vegetated buffer of sufficient height and depth of not less than 50' - existing vegetation can be used	The site is wooded with mature vegetation to provide screening of the proposed Facility.
IX 4-2.C	Scenic Roads and Areas: towers permitted where visible from public roads, recreational areas or residential development when the applicant demonstrates that an existing structure is not available	An extensive site search was conducted that included existing and approved structures, towers within and outside of the search area.
IX 4-3.A	Facilities should not be located in wetlands; disturbance to wetland buffer areas should be avoided and minimized	The Facility will not be located in wetlands. Wetland buffer areas in the vicinity of the proposed Facility are fragmented by existing disturbance.

Section from the Zoning Regulations	Standard or Preference	Proposed Facility
IX 4-3.B	No hazardous wastes shall be discharged from the facility	The proposed Facility will not discharge any hazardous wastes.
IX 4-3.E	Demonstrate compliance with Federal RF emissions standards	The calculated worse-case emissions from the site are only 3.62% of the MPE standard.
IX 5.A	Minimum Lot Size: underlying zoning district: R-1: 2 acres	Complies.
IX 5.B	Minimum Setbacks: distance from base of tower to any property line, road, habitable dwelling...is height of the tower	The tower radius lies substantially within the property boundaries and no dwellings or roads are located within the tower radius area.
IX-10	Abandoned or discontinued facilities should be removed	Certificates issued by the Siting Council contain a provision requiring removal of abandoned or unused facilities.

D. Planned and Existing Land Uses

The proposed Facility will be located on an approximately 12 acre parcel at the end of a cul-de-sac. Properties immediately surrounding the subject site include low-density single family residential homes and the Tunxis State Forest. Consultation with municipal officials did not indicate any planned changes to the existing or surrounding land uses.

E. Town of Hartland's Inland Wetlands and Watercourses Regulations

The Town of Hartland's Inland Watercourses Regulations ("Local Wetlands Regulations") regulate certain activities conducted in "Wetlands" and "Watercourses" as defined therein.

Wetlands were delineated within approximately 40 feet along the north, south and east sides of the proposed facility (Wetland A) and approximately 20 feet west of the existing gravel

access drive to the club house. However, no impacts to the wetlands are anticipated as portions of the existing wetlands are fragmented by the existing access drive and structures on the property. 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. Included in Attachment 4 is a Wetlands Delineation Report, which includes an update for the relocation of the monopole.

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. A Technical Report was filed with Hartland on June 29, 2010. Representatives of AT&T coordinated the scheduling of a public information session with the Hartland Planning & Zoning Commission that was held on August 16, 2010 in Hartland. Representatives of AT&T conducted a presentation that included in the information provided in the Technical Report and answered questions from the Town officials and public. As a result of the public information session dialogue, AT&T shifted the proposed monopole approximately 110' to the north so that the tower radius lies substantially within the subject property lines. In addition, in accordance with the Planning & Zoning Commission's recommendations, the 8' tall equipment compound fence will include privacy slats. Details of the proposed Facility design updates were forwarded to the Town in correspondence dated September 9, 2010.

Copies of all correspondence with Hartland are included in Attachment 9.

IX. Estimated Cost and Schedule

A. Overall Estimated Cost

The total estimated cost of construction for the proposed Facility is \$203,700. This estimate includes:

- (1) Tower and foundation costs (including installation) of approximately \$90,000;
- (2) Site development costs of approximately \$9,100;
- (3) Utility installation costs of approximately \$11,600; and
- (4) Facility installation costs of approximately \$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 Hartland. The site preparation phase is expected to be completed within four to five 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 seven 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 eastern portion of Hartland 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 at Balance Rock Road 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 95 Balance Rock Road in the Town of Hartland.

Respectfully Submitted,

By: 

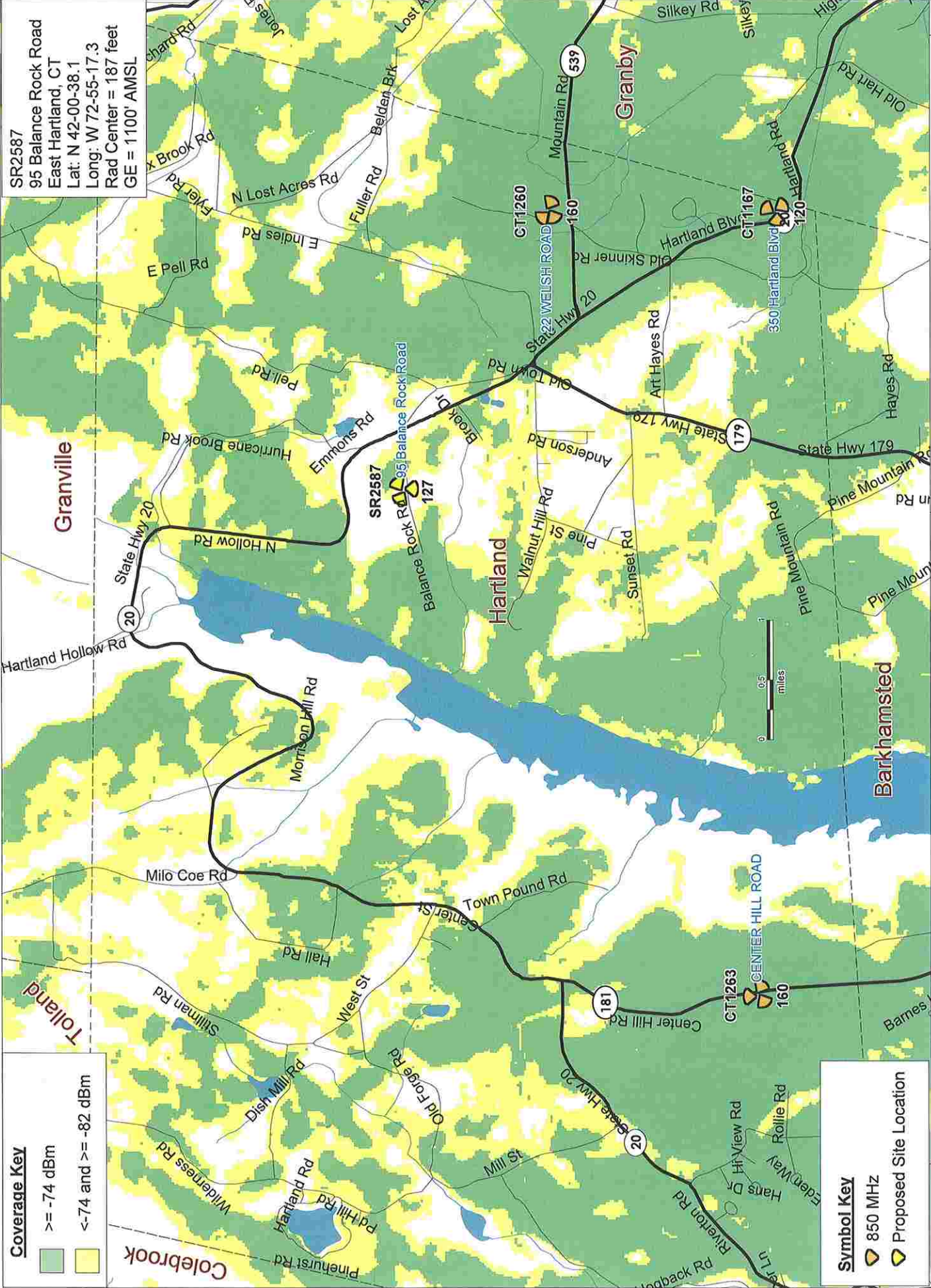
Christopher B. Fisher, Esq.
Lucia Chiochio, Esq.
Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
(914) 761-1300
Attorneys for the Applicant

Statement of Public Need

The proposed facility will provide wireless communications service along portions of Route 20 and surrounding areas in the eastern portion of Hartland. The facility is needed by AT&T in conjunction with other existing facilities in Hartland. Attached are coverage plots that depict the "Existing Coverage" provided by AT&T's existing facilities in this area and "Existing & Proposed Coverage" from the proposed site in conjunction with existing sites. An information sheet providing details of surrounding telecommunication sites is also included.

As clearly demonstrated by these materials, a facility in this area of Hartland is required for AT&T to serve the public in this portion of the Town.

SR2587
 95 Balance Rock Road
 East Hartland, CT
 Lat: N 42-00-38.1
 Long: W 72-55-17.3
 Rad Center = 187 feet
 GE = 1100' AMSL

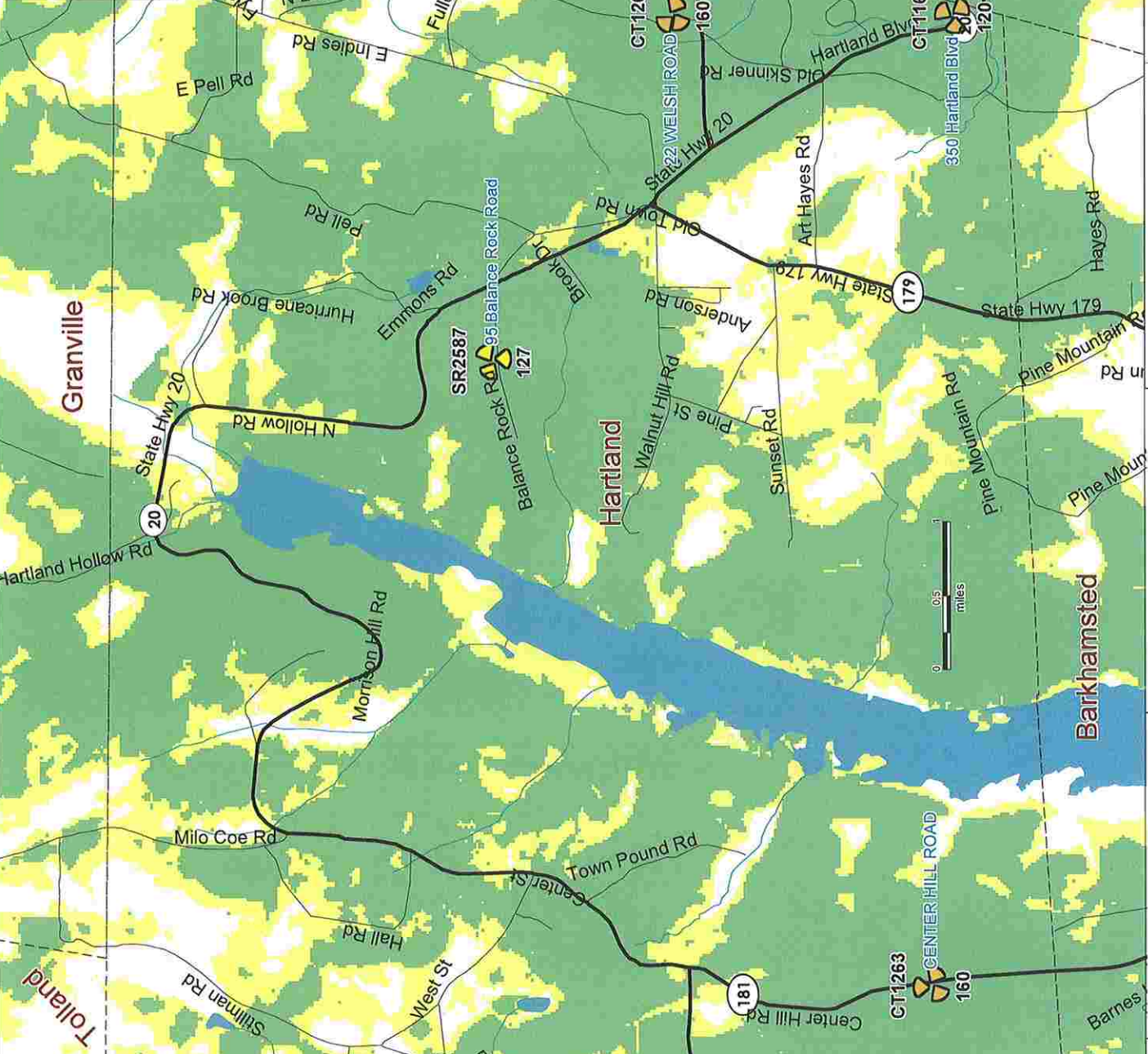


Coverage Key
 >= -74 dBm
 <-74 and >= -82 dBm

Symbol Key
 Orange Diamond: 850 MHz
 Yellow Diamond: Proposed Site Location

	PREPARED ON DATE: 09/08/2010	REV 9
	95 Balance Rock Road East Hartland, CT	
West Hartland		Existing Coverage

SR2587
 95 Balance Rock Road
 East Hartland, CT
 Lat: N 42-00-38.1
 Long: W 72-55-17.3
 Rad Center = 187 feet
 GE = 1100' AMSL



Coverage Key
 >= -74 dBm
 <-74 and >= -82 dBm

Symbol Key
 850 MHz
 Proposed Site Location

PREPARED ON	DATE: 09/08/2010
	at&t
95 Balance Rock Road East Hartland, CT	
West Hartland Coverage	

AT&T's Existing Surrounding Sites

AT&T Site No.	Owner	Location	Height	Coordinates
Site #1263	Town of Hartland	Center Hill Rd, West Hartland	180'	41-58-43 72-58-55.7
Site # 1167	AT&T	350 Hartland Blvd East Hartland	150'	41-58-37 72-53-16
Site #1260	Town of Hartland	22 Welsh Rd, East Hartland	160'	41-59-51.8 72-53-15.8

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.

Analysis of the communications towers and facilities located within four miles of the search area indicated that these towers would not provide adequate coverage to the area targeted for service by the proposed Facility, or such structures are not viable for AT&T siting thereon, or AT&T is currently using the structure to provide service to another area. The list and map of the existing towers and facilities located within four miles of the search area are attached.

In addition to investigating existing towers and facilities in the area, AT&T also investigated several locations where the construction of a wireless facility might be feasible and identified the proposed site that will meet AT&T's radio frequency propagation needs. Much of the search area is dominated by the Tunxis State Forest and the Barkhamsted Reservoir (MDC property); thus significantly limiting available candidates. As noted in the enclosed letter from the State of Connecticut Department of Environmental Protection (DEP), it is state law and DEP policy which restricts leasing state park and forest lands for the development of wireless telecommunication facilities.

Attached is a map demonstrating sites searched by AT&T for location of a facility in this particular area of Town. The description of the individual sites investigated is set forth below. Where applicable, the reason for eliminating the property is also included.

1. Address: 95 Balance Rock Road

Owner: Ring Mountain Hunt Club

Map/Block/Lot: 16/07/038

Deed (Vol./Page): 31/359

Zoning District: R-1

Lot Size: 12.1 acres

This property is the candidate site.

2. Address: Milo Coe Road

Map/Block/Lots: 3/3/2 & 3/3/3

Deeds (Vol./Page): 67/854 & 41/44, respectively

Owner: Groth

Zoning District: R-1

Lot Size: Approximately 6.8 & 7.5 Acres, respectively

These adjoining, vacant parcels (assessed as Forest) were rejected by RF.

3. Address: 384 Center Street

Map/Block/Lot: 9/2/3

Deed (Vol./Page): 68/707

Owner: Blouin

Zoning District: R-1

Lot Size: Approximately 6 Acres

Single family residence with some swamp land. The property owner was not interested.

4. Address: 72 Brook Drive & Brook Drive

Map/Block/Lots: 16/7/16 & 16/7/27A

Deeds (Vol./Page): 64/202 & 84/544

Owner: Cranouski

Zoning District: R-1

Lot Size: Approximately 2.13 (residence) & 5.58 Acres, respectively

Unsolicited private site location across from the State Forest that was rejected by RF.

5. Address: Center Street (Tunxis State Forest)

Map/Block/Lot: 9/7/1

Owner: State of CT

Zoning District: R-1

Lot Size: Approximately 448 Acres

Unavailable: state forest property.

6. Address: Center Street (Tunxis State Forest)

Map/Block/Lot: 9/7/2

Owner: State of CT

Zoning District: R-1

Lot Size: Approximately 40 Acres

Unavailable: state forest property.

7. Address: Morrison Hill Street (Tunxis State Forest)

Map/Block/Lot: 3/3/1

Owner: State of CT

Zoning District: R-1

Lot Size: Approximately 743 Acres

Unavailable: state forest property.

8. Address: North Hollow Road (Tunxis State Forest)

Map/Block/Lot: 10/5/4

Owner: State of CT

Zoning District: R-1

Lot Size: Approximately 1883 Acres

Unavailable: state forest property. This property also includes the DEP garage; which was rejected by RF.

9. Address: North Hollow Road (Tunxis State Forest)

Map/Block/Lot: 16/7/49

Owner: State of CT

Zoning District: R-1

Lot Size: Approximately 790 Acres

Unavailable: state forest property.

10. Address: Morrison Hill Road

Map/Block/Lot: 4/3/4

Owner: MDC

Zoning District: R-1

Lot Size: Approximately 70 Acres

Unavailable: MDC land just north of reservoir.

11. Address: North Hollow Road

Map/Block/Lot: 4/5/1

Owner: MDC

Zoning District: R-1

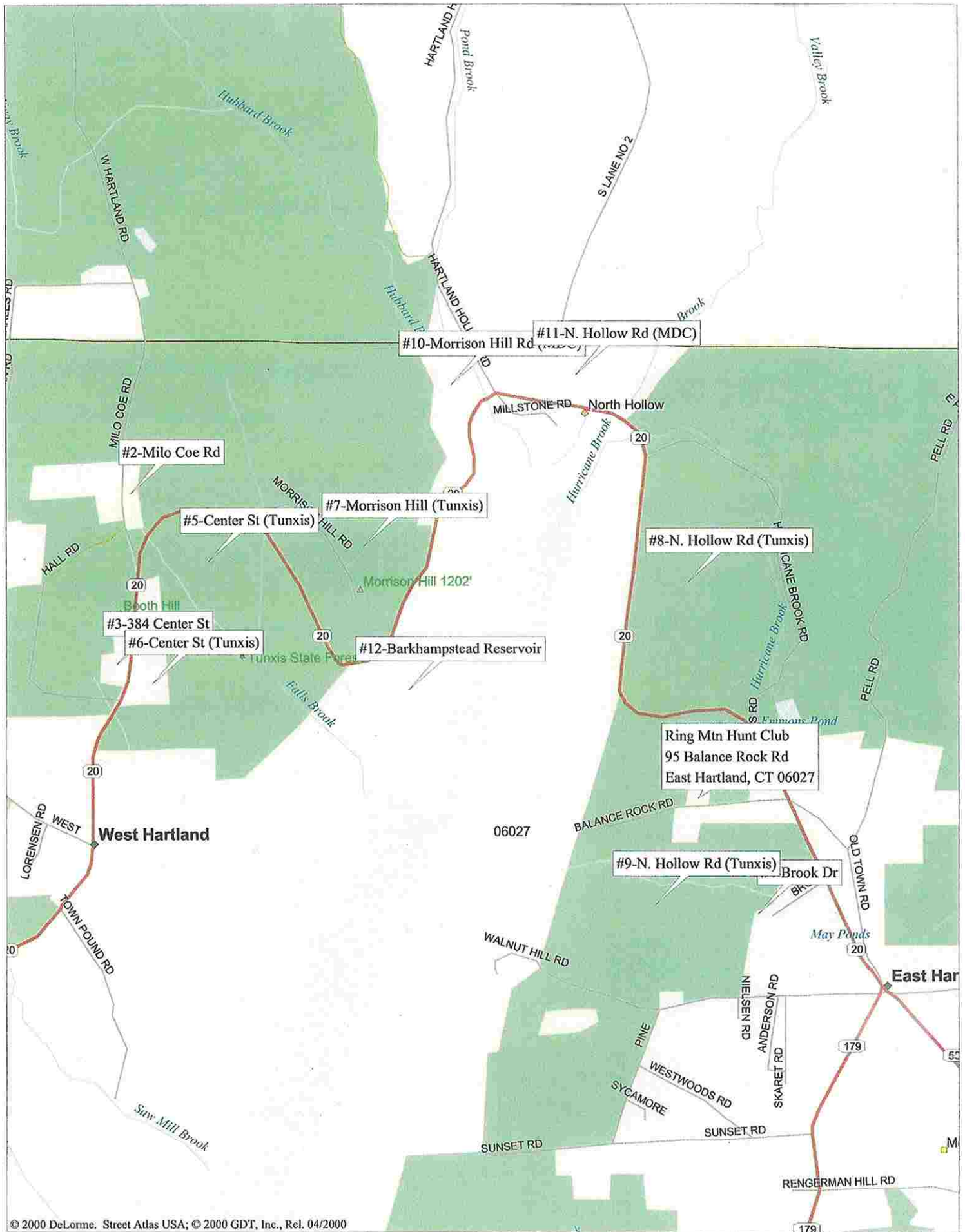
Lot Size: Approximately 79 Acres

Unavailable: MDC land just north of reservoir.

12. Address: Barkhamsted Reservoir

Owned and operated by the MDC, the reservoir is approximately 8 miles from its northern end to the Saville Dam to the south and encompasses approximately 4.2 square miles of surface area.

Unavailable.



EXISTING TOWER/ CELL SITE LISTING

There are 7 communications facilities, along with a church steeple located within approximately four miles of the site search area for the proposed site in Hartland. Each location is also shown on the following map, numbered in the order appearing on this list. Not one of the below existing facilities would provide adequate coverage to the target area. Indeed, 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 Hartland Facility.¹

<u>No.</u>	<u>OWNER/OPERATOR</u>	<u>TOWER/CELL SITE LOCATION</u>	<u>HEIGHT</u>	<u>SOURCE</u>	<u>COORDINATES</u>
1.	Town of Hartland	Center Hill Rd, West Hartland	180'	AT&T Site #1263	Lat 41-58-43 Long 72-58-55.7
2.	AT&T	350 Hartland Blvd, East Hartland	150'	AT&T Site #1167	Lat 41-58-37 Long 72-53-16
3.	AT&T	30 Higley Rd., Granby	120'	AT&T Site #1170	Lat 41-57-56.8 Long 72-51-19.3
4.	Town of Hartland	22 Welsh Road, East Hartland	160'	AT&T Site #1260	Lat 41-59-51.8 Long 72-53-15.8
5.	Continental Cable (Cox)	Mountain Rd. (Welsh Rd access), East Hartland	110'	Visual	Lat 41-59-52 Long 72-53-22
6.	SBA	150 Lost Acres Rd, Granby	160'	AT&T Site #1272	Lat 42-00-35 Long 72-52-03
7.	Granby Ambulance	233 Mountain Road, Granby	120'	Visual antennasearch database	Lat 41-59-37.4 Long 72-52-15
8.	1 st Church	100 Granville Road, East Hartland	65' (approx.)	Visual	Lat 41-59-56.9 Long 72-54-20.4

¹ Field verification confirmed that the approximately 160' lattice tower located on Old Town Road in Hartland was removed.



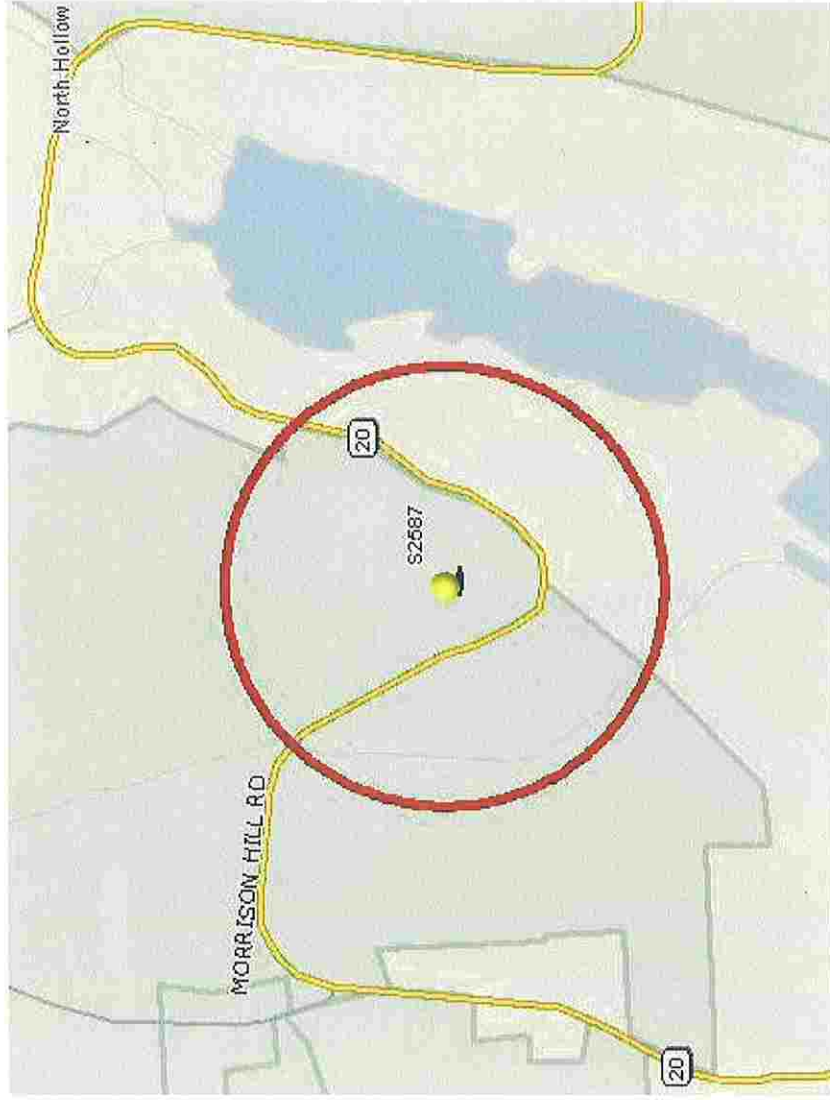
Image U.S. Geological Survey
 © 2010 Google
 Image © 2010 DigitalGlobe
 © USFWS

e: Sep 30, 2006

41°59'39.18" N 72°54'43.81" W elev 1170 ft

Eyealt

Search Ring Map





STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



August 10, 2009

Christopher B. Fisher
Cuddy & Feder
445 Hamilton Avenue, 14th Floor
White Plains, New York 10601

Re: Development of Wireless Telecommunication Tower Facilities
State Forests and Parks

Dear Mr. Fisher:

This letter is in response to your letter dated June 4, 2009 and sent to me on behalf of your client New Cingular Wireless PCS, LLP ("AT&T"). Your letter requests "written confirmation of DEP's interpretation of State law as it relates to the leasing of state forest and park properties for purposes of developing wireless communications tower facilities by entities like AT&T."

I can confirm that it is DEP's interpretation of the statutes, and our policy that state park and forest lands not be leased for the purpose of developing wireless communications tower facilities.

As you may know, the Department of Environmental Protection is the State of Connecticut agency responsible for the acquisition of lands for the beneficial use and enjoyment of the public, and protection of the state's valuable natural resources. Open space land is purchased as additions to the State's system of parks, forests, wildlife, fisheries and natural resource management areas. The DEP acquires land that represents the ecological diversity of Connecticut, including natural features such as rivers, mountainous areas, coastal systems and other natural areas, in order to ensure the conservation of such land for recreational, scientific, educational, cultural and aesthetic purposes. Development of these lands for communications tower facilities with access driveways, necessary ancillary maintenance buildings, and secured fall zones is inconsistent with the purpose for which these lands have been acquired.

Your letter cited two Connecticut Statutes; CGS Sec. 23-25, and Sec. 26-3b. You correctly point out in your letter that CGS 23-25 permits, in certain circumstances, the Commissioner to grant leases for public purposes "to any public authority" for any portion of any state forest or state park if said commissioner finds that "such purposes are not in conflict with park or forest purposes." Our understanding of this statute is that it does not apply to your situation because your client, AT&T, is not a public authority, and therefore does not meet the basic criteria established by the statute. Furthermore, as stated above, wireless communication tower facilities do conflict with park and forest purposes.

(Printed on Recycled Paper)
79 Elm Street • Hartford, CT 06106-5127
www.ct.gov/dcp
An Equal Opportunity Employer

Page 2.

Christopher B. Fisher

The second law you referenced, CGS Sec. 26-3b, does give the Commissioner of Environmental Protection the authority, subject to the approval of the State Properties Review Board, to rent property in its custody or control when he deems "that it would be in the interest of the state." In addition, CGS Sec. 26-3 states "said commissioner may, with the approval of the Attorney General, grant rights-of-way or other easements.....if said commissioner finds that such purposes are not in conflict with the public interest...." These statutes allow the Commissioner, along with the State Properties Review Board and the Attorney General's office, discretion in determining if there is a public benefit to be derived by granting an easement and if such a grant would conflict with the current use or protection of the property. Again, the development of state lands with communication towers does conflict with the purposes for which these lands have been acquired, therefore it is unlikely that the Commissioner of Environmental Protection would approve such an easement.

Finally, the DEP does have a Directive concerning the development of state land for communication towers. The directive was published June 9, 1992, and is entitled "Communications Towers - Land Use - DEP Properties." The directive states that "The principal goals in the management of Connecticut's properties which are under the direct control of the Department of Environmental Protection is to protect and preserve special examples of Connecticut's landscape, to provide public access and recreational opportunities compatible with the preservation goal and/or to develop and maintain a healthy forest cover from a multiple use standpoint. As such, only those uses which are compatible with these goals should be allowed." The Directive goes on to state that some radio towers within state property may be required and that five radio tower sites currently exist on state property and that these sites may be available for occupancy. A copy of this directive is attached for you convenience. The procedure for requesting space on those towers is outlined in the directive as well.

I hope this provides some assistance in clarifying the DEP's position concerning development of communication tower facilities on state land. If you have any additional questions or we can be of further assistance, please feel free to contact me directly at 860-424-3086 or via email to elizabeth.brothers@ct.gov.

Very truly yours,

Elizabeth Brothers
Elizabeth Brothers
Assistant Director

General Facility Description

95 Balance Rock Road, East Hartland, Connecticut

Owner: Ring Mountain Hunt Club

Map/Block/Lot: 16/07/038

Approximately 12.1 Acres

The proposed facility consists of a 100' by 100' lease area located in the southwest portion of an approximately 12.1 acre parcel owned by the Ring Mountain Hunt Club. A new self-supporting monopole tower 190' in height would be constructed. AT&T will install up to 12 panel antennas at the 187' centerline height on the tower together with an associated 12' x 20' radio equipment shelter at the tower base on a concrete pad within the tower compound. The tower compound would consist of a 60' by 85' area to accommodate AT&T's equipment and provide for future shared use of the facility by other carriers. An 8-foot high chain link fence with privacy slats would enclose the tower compound. Vehicle access to the facility would be provided from Balance Rock Road over an existing paved access drive on the western side of the facility compound a distance of approximately 110' and then along an approximately 72' extension of the existing access to be improved with gravel. Electric and telephone utilities would be extended from an existing off-site utility pole along a replacement pole line on the subject site, then underground to the equipment compound within an easement area located to the east of the proposed facility. Provisions include a 4' x 11' concrete pad for an emergency generator.



1 2004 AERIAL PHOTO
 SCALE: 1" = 1000'
 0 500 1000
 SCALE IN FEET



Drawing Copyright © 2009



2138 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2338
 Mair: (800) 257-4557 - www.zhacompanies.com



NEW CINGULAR WIRELESS PCS, LLC
 500 ENTERPRISE DRIVE, ROCKY HILL, CT 06087

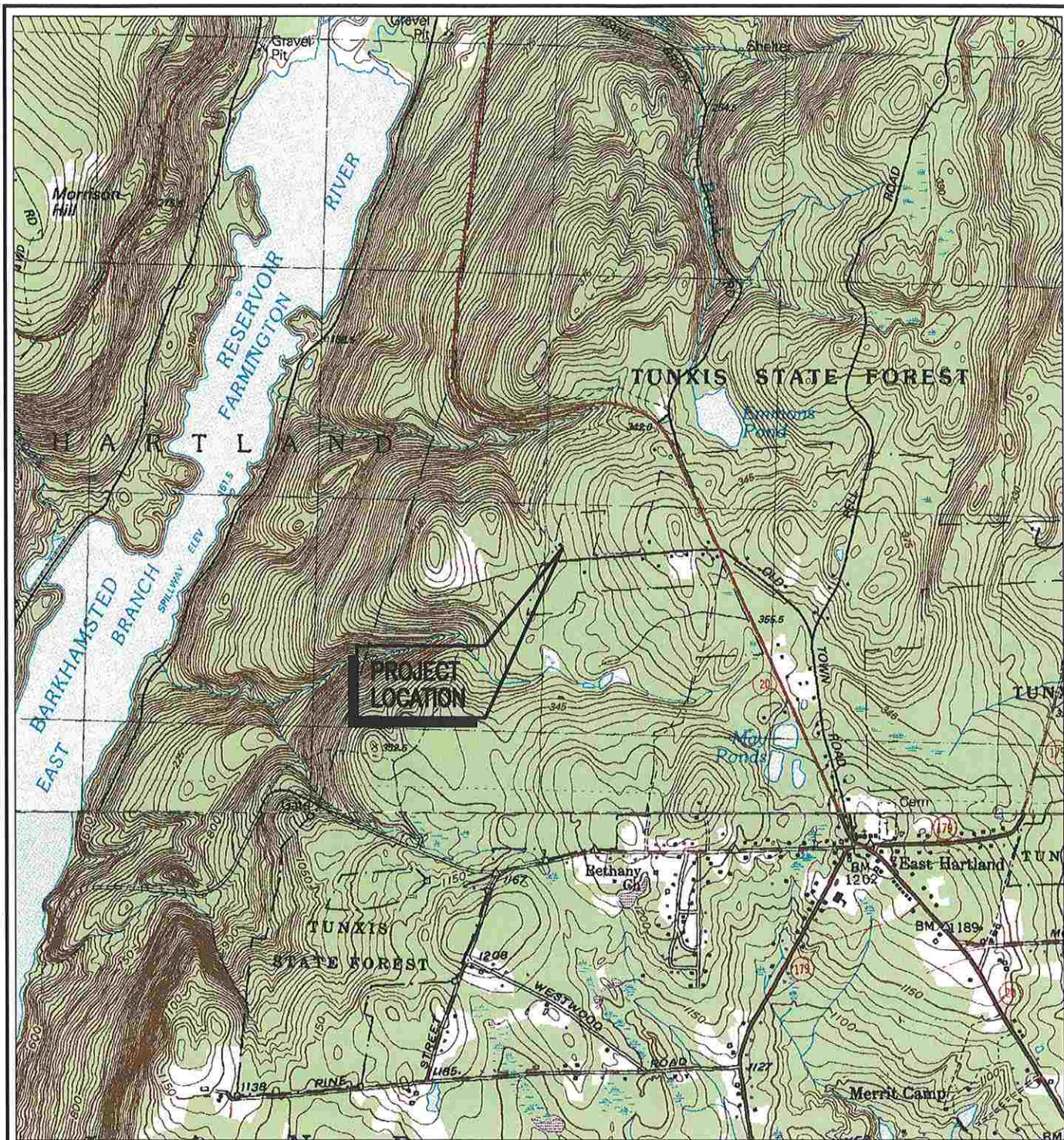
SR2587
 WEST HARTLAND
 95 BALANCE ROCK ROAD
 EAST HARTLAND, CT 06027
 HARTFORD COUNTY

CHA PROJ. NO. - 18301-1040

SHEET TITLE:
 AERIAL PHOTO

DATE:
 08/30/10

REVISION:
 1



1 1984 USGS TOPO MAP: NEW HARTFORD 41072-H8
 SCALE: 1" = 2000'
 0 1000 2000
 SCALE IN FEET



Drawing Copyright © 2009

2109 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2338
 Main: (860) 257-4557 - www.chacompanies.com

Your world. Delivered.

NEW CINGULAR WIRELESS PCS, LLC
 500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067

SR2587
 WEST HARTLAND
 95 BALANCE ROCK ROAD
 EAST HARTLAND, CT 06027
 HARTFORD COUNTY

CHA PROJ. NO. - 18301-1040

SHEET TITLE:
 USGS TOPO MAP

DATE:
 08/30/10

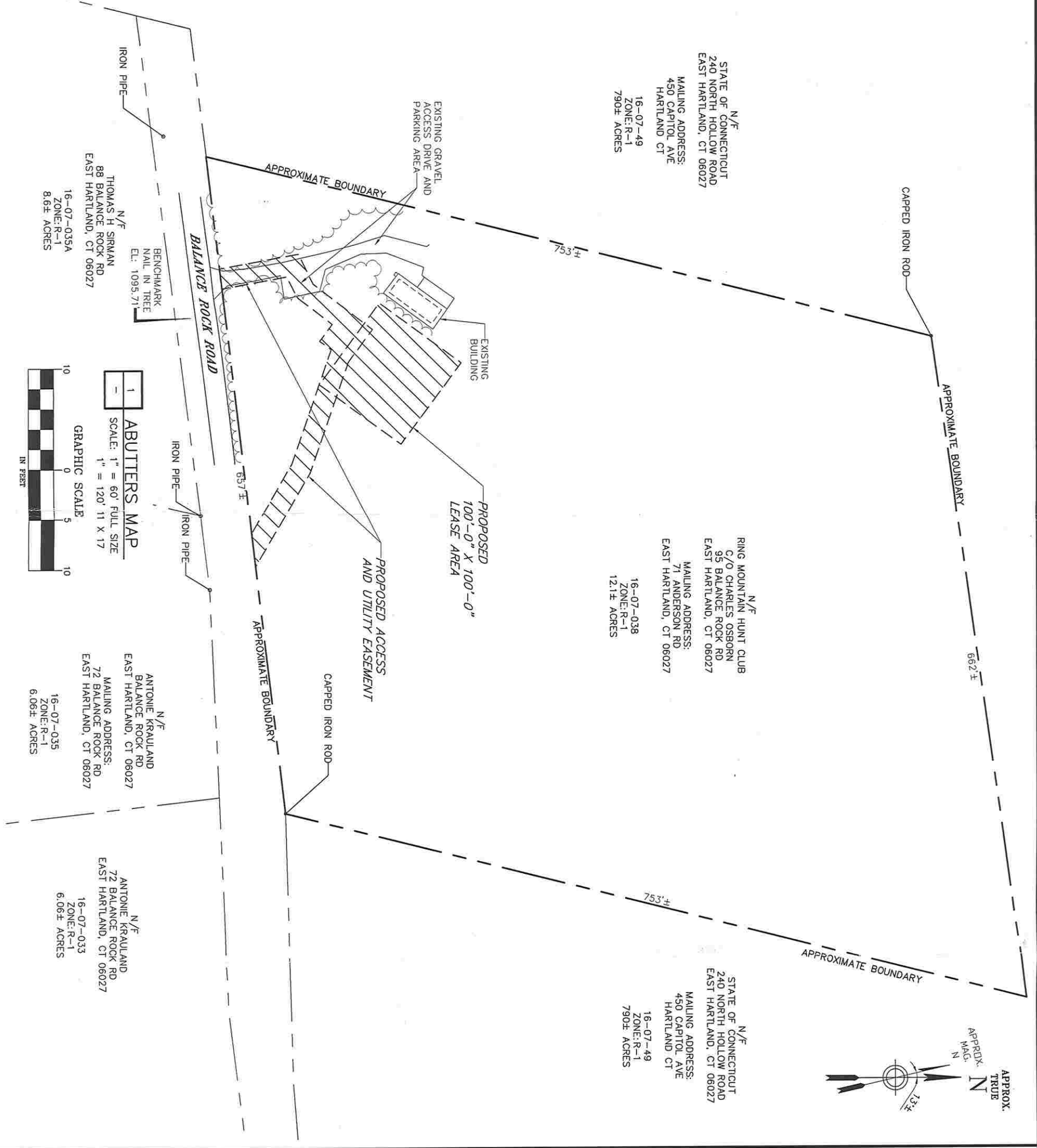
REVISION:
 1

SURVEY NOTES:

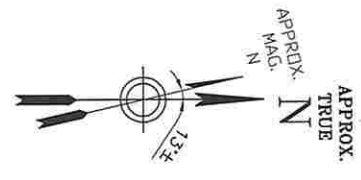
1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1996. THE BOUNDARY LINES SHOWN ON THIS PLAN WERE COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED 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. PROPERTY LINE SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND TAX MAPS AS OVERLAIN 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.
3. BASE MAPPING PREPARED BY CHA FROM AN OCTOBER 2009 FIELD SURVEY.
4. NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.
5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES, IF ANY, 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 AND TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.
6. SUBJECT TO ANY STATEMENT OF FACTS THAT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.
7. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
8. LATITUDE/LONGITUDE/ELEVATIONS WERE OBTAINED UTILIZING NGS CORS BASE STATION NAMED "CTGE". LATITUDE/LONGITUDE ARE REFERENCED TO NAD83 CONNECTICUT ZONE. 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
9. SITE FALLS WITHIN ZONE "C" DEFINED AS AREAS OF MINIMAL FLOODING AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF HARTLAND, CONNECTICUT, HARTFORD COUNTY, COMMUNITY PANEL NUMBER 090146 0010 B, EFFECTIVE DATE DECEMBER 16, 1980.

MAP REFERENCES:

1. MAP ENTITLED "SUBDIVISION PLAN PROPERTY OWNED BY RIEDIGER J KRAULAND & ANTONIE KRAULAND - 72 BALANCE ROCK ROAD" AS PREPARED BY HENRY C. COTTON & ASSOCIATES, DATED AUGUST 2, 2006 AND RECORDED IN THE TOWN CLERKS OFFICE AS MAP K-16.
2. TOWN OF HARTLAND CONNECTICUT "TAX MAP-SHEET 16", AS PREPARED BY FUSS & O'NEILL AND DATED OCTOBER 24, 2006.



ABUTTERS MAP
SCALE: 1" = 60' FULL SIZE
1" = 120' 11 X 17



at&t
Your world. Delivered.

NEW SINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06867

CHA

2139 Shaw Drive Middletown, Suite 212, Rocky Hill, CT 06067-2336
Mail: (900) 227-4527 - www.chasurvey.com

CHA PROJECT NO:
18301 - 1040 - 1101

NO.	SUBMITTAL
0	ISSUED CSC CERTIFICATE
1	BR: JIM CHK: PML REVISED PER COMMENTS
1	BR: PML CHK: PML APPR: PML

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE ID:
SR2587

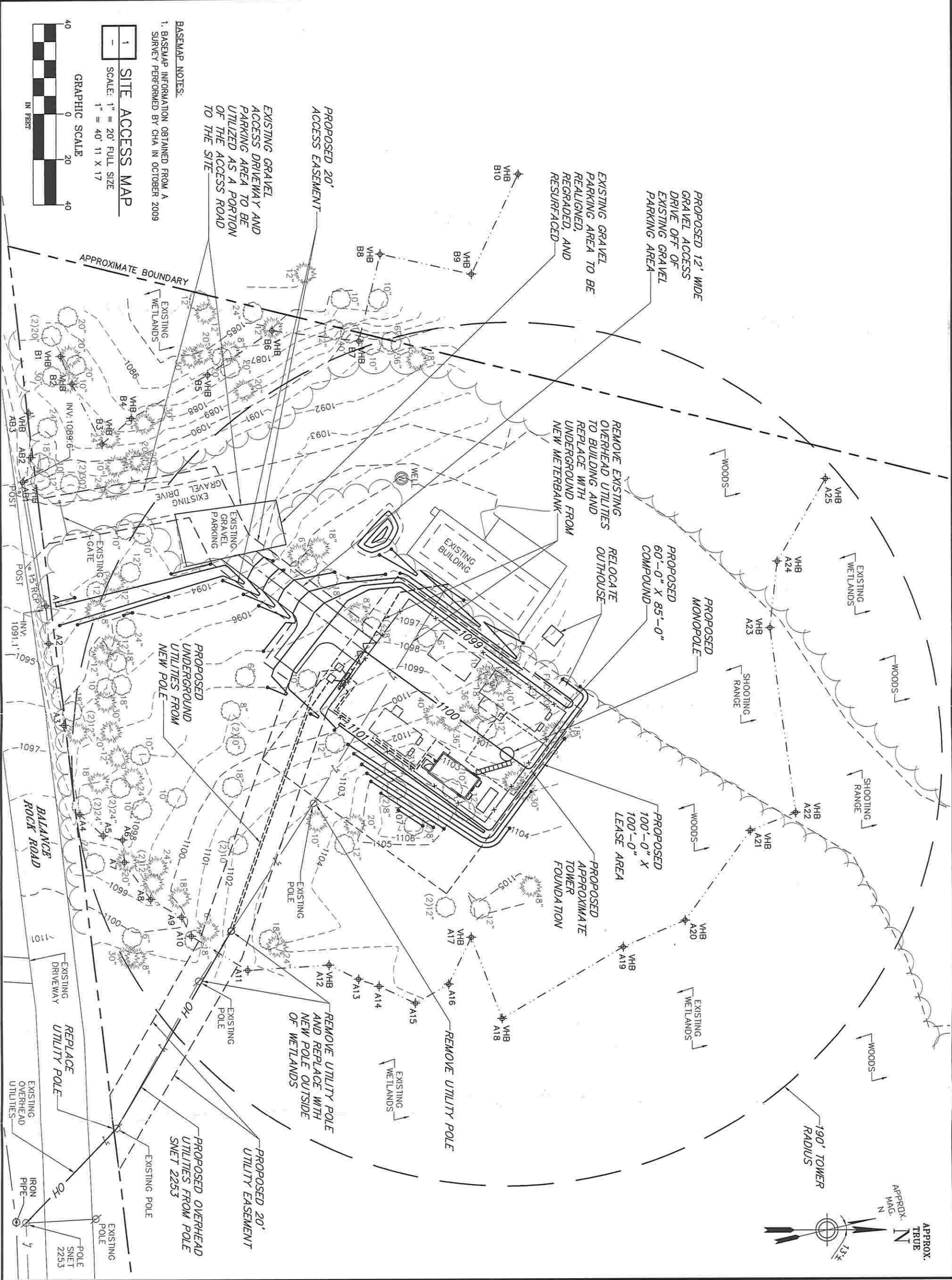
SITE NAME:
WEST HARTLAND

SITE ADDRESS:
95 BALANCE ROCK ROAD
EAST HARTLAND, CT
06027

HARTFORD COUNTY

SHEET TITLE
ABUTTERS
MAP

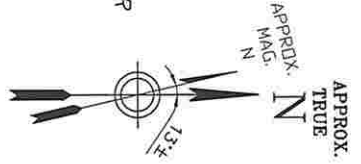
SHEET NUMBER
C01



1 SITE ACCESS MAP
 SCALE: 1" = 20' FULL SIZE
 1" = 40' 11 X 17



BASEMAP NOTES:
 1. BASEMAP INFORMATION OBTAINED FROM A SURVEY PERFORMED BY CHA IN OCTOBER 2009



at&t
 Your world. Delivered.

NEW CINGULAR WIRELESS PCS, LLC
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067

CHA PROJECT NO.
 18301 - 1040 - 1101

2139 Shaw Drive Highway, Suite 212 - Rocky Hill, CT 06067-2356
 Main: (860) 257-4527 - www.chaconline.com

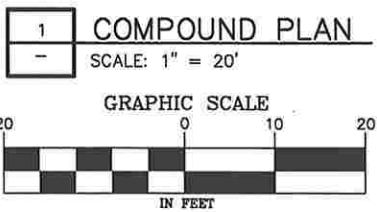
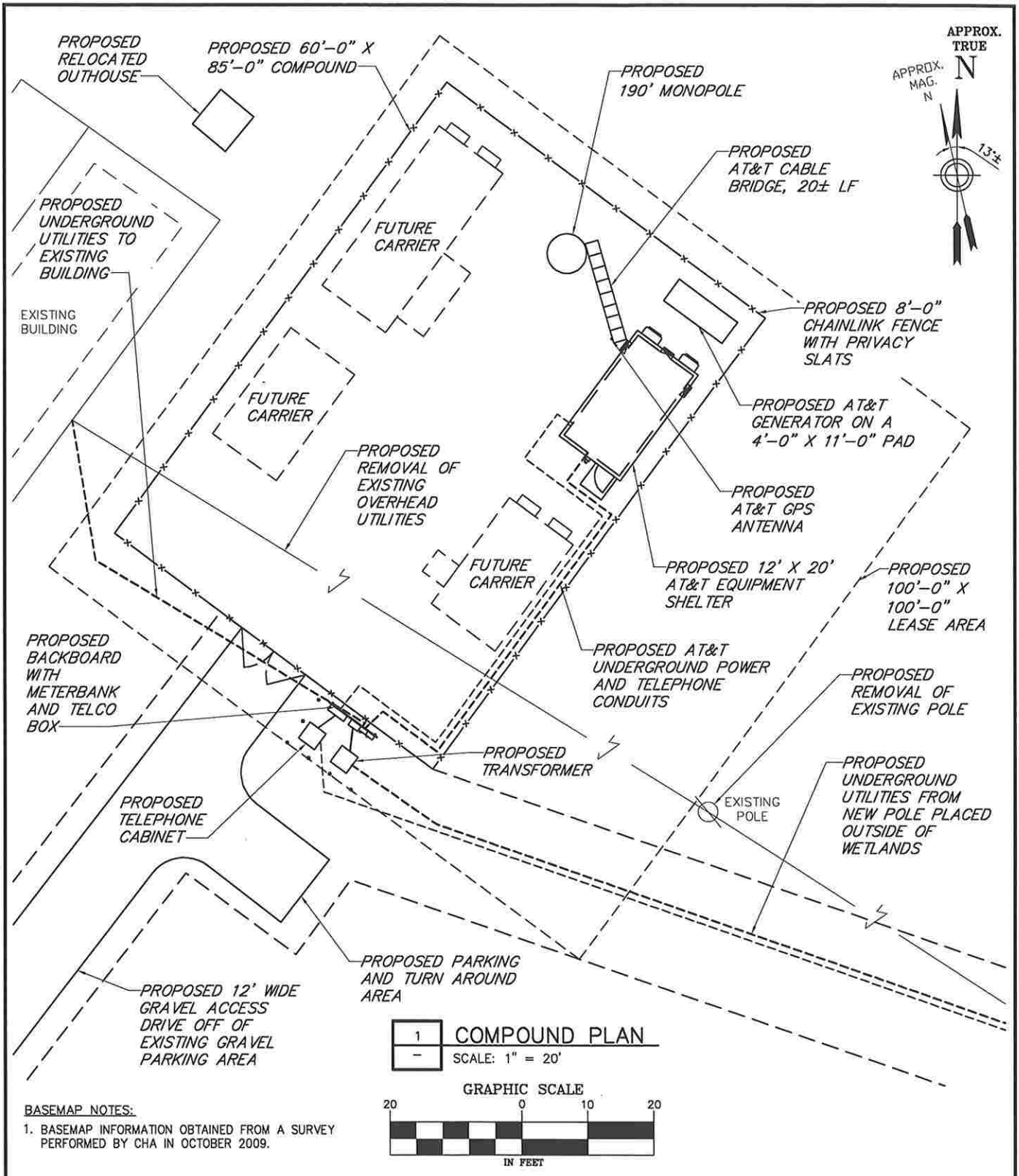
NO.	DATE	DESCRIPTION
0	11/25/09	ISSUED CSC CERTIFICATE
1	08/30/10	REVISED PER COMMENTS
		CHK: PAL
		APP'D: PAL

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE ID:
 SR2587
SITE NAME:
 WEST HARTLAND
SITE ADDRESS:
 95 BALANCE ROCK ROAD
 EAST HARTLAND, CT
 06027
 HARTFORD COUNTY

SHEET TITLE
 SITE ACCESS MAP

SHEET NUMBER
 C02



BASEMAP NOTES:
1. BASEMAP INFORMATION OBTAINED FROM A SURVEY PERFORMED BY CHA IN OCTOBER 2009.

<p>Drawing Copyright © 2009</p> <p>2139 Elias Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336 Main: (800) 257-4567 - www.chacompanies.com</p>	<p>Your world. Delivered.</p> <p>NEW CINGULAR WIRELESS PCS, LLC 500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067</p>	<p>SR2587 WEST HARTLAND 95 BALANCE ROCK ROAD EAST HARTLAND, CT 06027 HARTFORD COUNTY</p> <p>CHA PROJ. NO. - 18301-1040</p>	<p>SHEET TITLE: COMPOUND PLAN</p>
			<p>DATE: 08/30/10</p>
			<p>REVISION: 1</p>

Site Evaluation Report

I. LOCATION

- A. COORDINATES: 42° 00' 38.1" N 72° 55' 17.3" W
- B. GROUND ELEVATION: 1100' AMSL
- C. USGS MAP: New Hartford
- D. SITE ADDRESS: 95 Balance Rock Road, Hartland, Connecticut
- E. ZONING WITHIN 1/4 MILE OF SITE: Residential

II. DESCRIPTION

- A. SITE SIZE: 100' by 100' lease area, 60' by 85' compound
- B. LESSOR'S PARCELS: ± 12 acres
- C. TOWER TYPE/HEIGHT: Monopole / 190' AGL.
- D. SITE TOPOGRAPHY AND SURFACE: The proposed site is located on a relatively flat area on a heavily wooded parcel.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The surrounding terrain ranges in elevation from 180' AMSL to 1150' AMSL. The majority of the surrounding area includes the Tunxis State Park and Barkhamsted Reservoir/MDC property. The site is located within the watershed. The surrounding area is wooded and covered with vegetation. On-site investigations delineated two wetland systems on the site. No activity will occur directly within the delineated wetland area. Moreover, a portion of one of the wetland systems is fragmented by the existing site improvements. A review of available information regarding the site through Federal databases indicates that the site is not located within a 100-year or 500-year flood zone. The Barkhamsted Reservoir is located approximately 5,000' to the west of the site.
- F. LAND USE WITHIN 1/4 MILE OF SITE: Land uses within ¼ mile of the site are primarily residential and include the Tunxis State Forest and the Barkhamsted Reservoir.

III. FACILITIES

- A. POWER COMPANY: SNET
- B. POWER PROXIMITY TO SITE: Facilities available from an off-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 from Balance Rock Road over an existing paved road approximately 110' then along a new gravel access drive approximately 72' to the site.
- F. OBSTRUCTIONS: None
- G. CLEARING AND FILL REQUIRED: The compound will require clearing and grading to level the area. Some filling may 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 [X]
- B. OWNER: Ring Mountain Hunt Club
- C. ADDRESS: 95 Balance Rock Road, East Hartland, Connecticut

Facilities and Equipment Specification

I. TOWER SPECIFICATIONS:

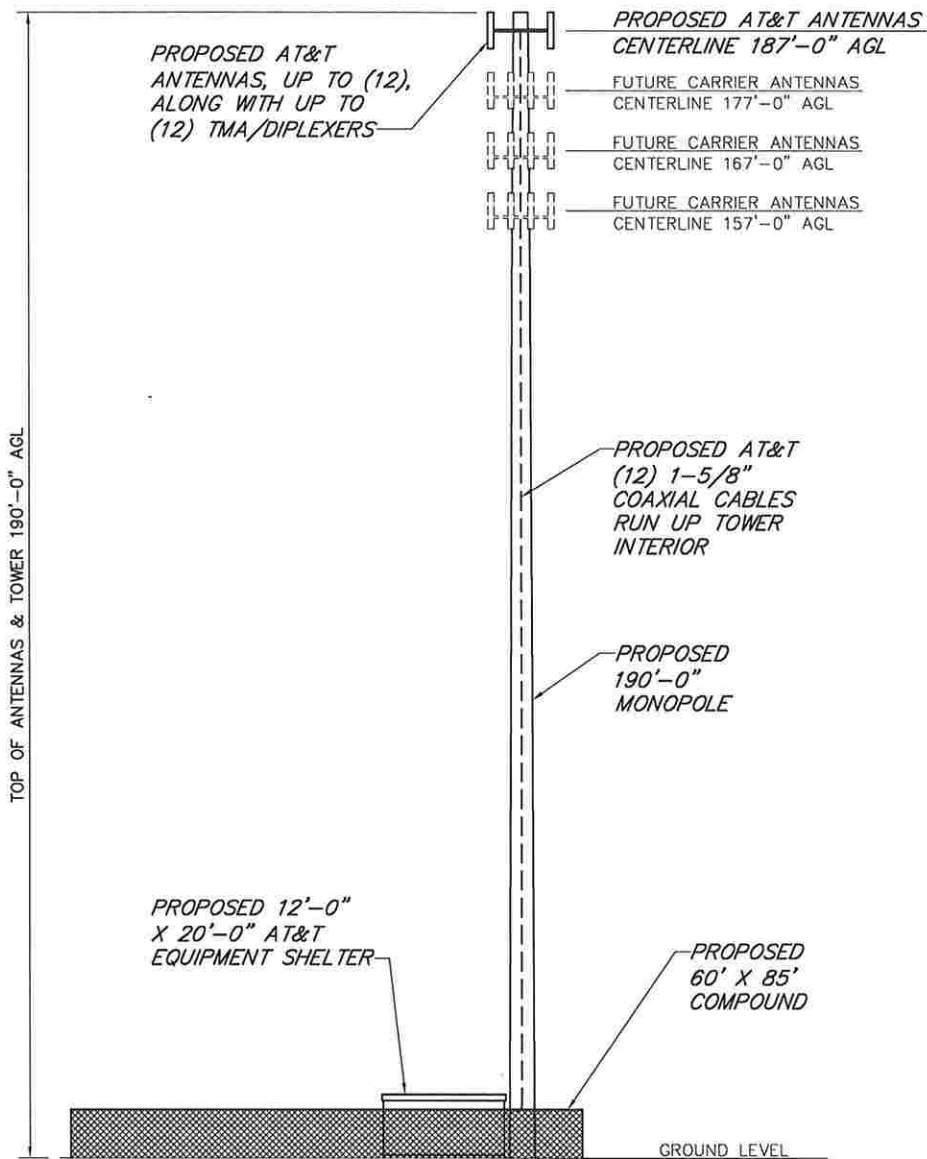
- A. MANUFACTURER: To be determined
- B. TYPE: Self-Supporting monopole
- C. HEIGHT: 190'
DIMENSIONS: Approximately 4½' in diameter at the base, tapering to approximately 2' at the top.
- D. LIGHTING: None as set forth in attached TOWAIR report

II. TOWER LOADING:

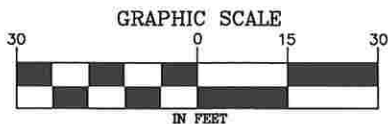
- A. AT&T – up to 12 panel Antennas
 - a. Model – Powerwave P65-15-XLH-RR or P90-14-XLH-RR or equivalent panel antenna
 - b. Antenna Dimensions – 51”H x 12”W x 6”D / 48”H x 12”W x 6”D
 - c. Position on Tower – 187’ centerline mounted on low profile platform
 - d. Transmission Lines – MFG: Commscope; 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	TOWER ELEVATION
-	SCALE: 1" = 30'



Drawing Copyright © 2009



2139 Sites Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336
Main: (860) 267-4567 - www.chacompanies.com



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067

SR2587
WEST HARTLAND
95 BALANCE ROCK ROAD
EAST HARTLAND, CT 06027
HARTFORD COUNTY

CHA PROJ. NO. - 18301-1040

SHEET TITLE:
TOWER ELEVATION

DATE:
08/30/10

REVISION:
1



FAA 1-A SURVEY CERTIFICATION

Site Name: West Hartland
Site Number: SR2587
Site Address: 95 Balance Rock Road
East Hartland, CT 06027

Horizontal Datum: NAD 83 GPS survey Ground survey

Vertical Datum: NAVD 1988 (AMSL) GPS survey Ground survey

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

Latitude: 42°-00'-38.1" N

Longitude: 72°-55'-17.3" W

Average Ground Elevation: 1100' AMSL Elevation (in feet)

Proposed Tower Height: 190' (AGL)

Certification: I certify that the latitude of 42°-00'-38.1"N and the longitude of 72°-55'-17.3"W are accurate to within +/- 20 feet horizontally, and that the site elevation of 1100' AMSL is accurate to within +/- 3 feet vertically. The horizontal datum (coordinated) are in terms of the North American Datum of 1983 (NAD 83) and are expressed in degrees, minutes and seconds, to the nearest tenth of a second. The vertical datum is in terms of the North American Vertical Datum of 1988 (NAVD 88) and is determined to the nearest foot.

Company: Clough Harbour and Associates, LLP
Project number 18301-1040

**Surveyor
Signature/Seal:**

William S. Lucarelli
William S. Lucarelli
CT L.S. 16529



Date: September 1, 2010

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.

DETERMINATION Results

Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.

Your Specifications

NAD83 Coordinates

Latitude	42-00-38.1 north
Longitude	072-55-17.3 west

Measurements (Meters)

Overall Structure Height (AGL)	57.9
Support Structure Height (AGL)	57.9
Site Elevation (AMSL)	335.3

Structure Type

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



Site Number: SR2587

Site Name: West Hartland

Site Address: 95 Balance Rock Road, East Hartland, CT 06027

Access distances:

Distance of access over existing driveway: 110'
Distance of access over new gravel driveway: 72'
Total distance of site access: 182'

Distance to Nearest Wetlands:

51' from wetland flag VHBA17 to the nearest compound corner.

Distance to Property Lines:

497' to the northern property boundary
190' to the southern property boundary
164' to the western property boundary
450' to the eastern property boundary

Residence Information:

There are 2 residences within 1,000' feet of the tower. The closest residence is 457' to the SE and is owned by Antonie Krauland and is located at 72 Balance Rock Road, East Hartland, CT.

Tree Removal Count:

See tree letter.

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

The nearest town to the proposed tower is Granville, MA. The town boundary is 10,500' to the North.

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 closest wetland is located approximately 20' from the proposed facility, however, the construction and operation of the tower and related site improvements will have no effect on any 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. Appropriate monitoring measures required for properties located within the watershed will be incorporated into the D&M Plan.

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.

C. LAND

Some clearing and grading will be necessary in the compound area. The remaining land of the lessor would remain unchanged by the construction and operation of the facility.

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 3.62% of the MPE standard. Attached is a copy of AT&T's Power Density Report dated June 10, 2010.

F. VISIBILITY

The potential visual impact of the proposed facility was determined by preparation of the attached Visual Analysis Report prepared by Clough Harbour & Associates LLP. 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, 1.9 acres (approximately 0.02%) of the 8,042-acre study area (a two-mile radius of the proposed facility) would have distant year-round views of the proposed tower above the existing tree canopy. Overall, the existing intervening topography and vegetation serve to obstruct close-up views of the Facility and limit visibility of the proposed tower to distant views. Seasonal views of the tower are expected from a small section of the Tunxis Forest Trail where it crosses the road leading back to the ski cabin. The proposed monopole will not be visible from any sensitive visual receptors, including the Tunxis State Forest Ski Cabin.

II. SCENIC, NATURAL, HISTORIC & RECREATIONAL VALUES

The parcel on which the facility is located exhibits no unique scenic, natural, historic or recreational characteristics. The Connecticut State Historic Preservation Officer (“SHPO”) was provided with reports and data regarding AT&T’s proposal. Based on review of these materials, the SHPO determined that the proposed facility will have no adverse effect on the Tunxis Forest Ski Cabin, a National Register listed property. A copy of SHPO’s January 21, 2010 determination is enclosed in Attachment 8.

AT&T also consulted with the Connecticut Department of Environmental Protection (DEP) regarding its proposed facility. Upon review of an ornithological survey of the Northern Saw-whet owls, a state species of special concern, the DEP concurred with the conclusion in the ornithological survey that the site did not reveal any potential nest cavities and it is not likely that the Northern Saw-whet owls are breeding on the proposed site. The DEP also concluded that the proposed facility will not impact bald eagles. A copy of DEP’s April 23, 2010 determination is enclosed in Attachment 7.

AT&T also commissioned a Phase II Environmental Site Assessment to evaluate the impact, if any, of the shooting range on the site. The Phase II investigation indicates that the soils at the site have not been significantly impacted by the shooting range. Indeed, analysis of soil samples indicates that lead levels in the soil are well below the Connecticut Remediation Standard Regulation for lead in soils.

As demonstrated in the enclosed memorandum prepared by The Ottery Group, the relocation of the monopole approximately 110’ to the north does not alter the conclusion that the proposed facility will have no significant impacts to the FCC’s NEPA criteria. As such, no additional agency consultation was required as a result of the tower relocation.



WETLANDS DELINEATION REPORT

Vanasse Hangen Brustlin, Inc.

Date: September 7, 2010
Project No.: 41502.25
Prepared For: Mr. David Vivian
New Cingular Wireless PCS, LLC
500 Enterprise Drive, Suite 3A
Rocky Hill, Connecticut, 06067
Site Location: Ring Mountain Hunt Club – 95 Balance Rock Road, East Hartland, Connecticut
Site Map: CHA Site Access Map, latest revised date 08/30/10
Inspection Date: August 25, 2010
Field Conditions: Weather: cloudy, high 60's
Snow Depth: 0 inches
General Soil Moisture: moist
Frost Depth: 0 inches

Type of Wetlands Identified and Delineated:

Connecticut Inland Wetlands and Watercourses
Tidal Wetlands
U.S. Army Corps of Engineers

Local Regulated Upland Review Areas: Wetlands: 50 feet Watercourses: 100 feet

Field Numbering Sequence of Wetlands Boundary: Amended previous Kleinfelder delineation:
Wetland A – VHB A12, A17 & A18 (new locations), extended delineation with VHB
A19 to; Wetland AB – VHB AB1 (new location), extended delineation with VHB AB3;
Wetland B (replaces previous delineation) – VHB B1 to B10.
[as depicted on attached CHA Site Access Map; refer to Kleinfelder Delineation Report, dated December 3, 2009]

The classification systems of the National Cooperative Soil Survey, the U.S. Department of Agriculture, Natural Resources Conservation Service, County Soil Survey Identification Legend, Connecticut Department of Environmental Protection and United States Army Corps of Engineers New England District were used in this investigation.

All established wetlands boundary lines are subject to change until officially adopted by local, state, or federal regulatory agencies.

The wetlands delineation was conducted and reviewed by:

Dean Gustafson
Professional Soil Scientist

Enclosures

Attachments

-
- Wetland Delineation Field Forms
 - Soil Map
 - Soil Report
 - CHA Site Access Map
 - Kleinfelder Wetland & Watercourse Delineation Report, dated December 3, 2009

Wetland Delineation Field Form

Project Address:	Ring Mountain Hunt Club 95 Balance Rock Road East Hartland, Connecticut	Project Number:	41502.25
Inspection Date:	August 25, 2010	Inspector:	Dean Gustafson, PSS
Wetland I.D.:	Wetlands A & AB		

Field Conditions:	Weather: cloudy, high 60's	Snow Depth: 0 inches
	General Soil Moisture: moist	Frost Depth: 0 inches
Type of Wetland Delineation:	Connecticut <input checked="" type="checkbox"/>	
	ACOE <input type="checkbox"/>	
	Tidal <input type="checkbox"/>	
Field Numbering Sequence:	Amended previous Kleinfelder delineation: Wetland A - VHB A12, A17 & A18 (all new flag locations) and extended delineation with VHB flags A19 to A25; Wetland AB - VHB AB1 (new flag location) and extended with VHB flag AB3	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated - seepage <input type="checkbox"/>	Seasonally Saturated - perched <input checked="" type="checkbox"/>
Comments:		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: N/A		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments:		

CLASS:

Emergent <input type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments:		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Comments: intermittent channel forms at the south end of the delineated wetland draining south from A19 into drainage ditch along north side of Balance Rock Road; north of A19 sheet flows to the north		

SPECIAL AQUATIC HABITAT:

Vernal Pool <input type="checkbox"/>	Other <input type="checkbox"/>	
Comments: N/A		

Wetland Delineation Field Form (Cont.)

MAPPED SOILS:

SOIL SERIES (Map Unit Symbol)	WET	UP	NRCS MAPPED	FIELD IDD/ CONFIRMED
Ridgebury, Leicester, and Whitman soils, extremely stony (3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Woodbridge fine sandy loam, extremely stony (47)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DOMINANT PLANTS:

eastern hemlock (<i>Tsuga Canadensis</i>)	yellow birch (<i>Betula alleghaniensis</i>)
gray birch (<i>Betula populifolia</i>)	mountain laurel (<i>Kalmia latifolia</i>)
cinnamon fern (<i>Osmunda cinnamomea</i>)	goldenthread (<i>Coptis groenlandica</i>)

WETLAND NARRATIVE:

Wetland A is a forested swamp located within approximately 40 feet along the north, south and east sides of the proposed AT&T West Hartland wireless telecommunications facility. The eastern hemlock dominant swamp contains hummock-hollow microtopography and is located in a drainage divide. Flows south of approximately wetland flag VHB A19 are directed to a small interior intermittent watercourse channel that flows to the south/southwest into a drainage ditch along the north side of Balance Rock Road. The drainage ditch feature flows west through a 15-inch reinforced concrete pipe (RCP) under the gravel driveway to the Ring Mountain Hunt Club house and shooting range. The outlet end of the RCP is a drainage ditch identified by wetland flags AB1 through AB3. North of wetland flag VHB A19 the wetland sheet flows to the north and across the shooting range.

As noted on the Field Numbering Sequence section of this form, relatively minor revisions were required to the original wetland delineation performed by Kleinfelder, including extending the original delineation to encompass a larger study area as a result in the change in location of the proposed AT&T facility. The wetland boundary depicted on CHA's Site Access Map, latest revised date 08/30/10, accurately represents VHB's review of the field locations of previously delineated wetland flags and VHB's amended wetland delineation.

Wetland Delineation Field Form

Project Address:	Ring Mountain Hunt Club 95 Balance Rock Road East Hartland, Connecticut	Project Number:	41502.25
Inspection Date:	August 25, 2010	Inspector:	Dean Gustafson, PSS
Wetland I.D.:	Wetland B		

Field Conditions:	Weather: cloudy, high 60's	Snow Depth: 0 inches
	General Soil Moisture: moist	Frost Depth: 0 inches
Type of Wetland Delineation:	Connecticut <input checked="" type="checkbox"/>	
	ACOE <input type="checkbox"/>	
	Tidal <input type="checkbox"/>	
Field Numbering Sequence:	Amended previous Kleinfelder delineation: deleted B1-B4; replaced with VHB flags B1 to B10	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input checked="" type="checkbox"/>
Comments:		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: N/A		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments:		

CLASS:

Emergent <input type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input checked="" type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments:		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Comments: N/A		

SPECIAL AQUATIC HABITAT:

Vernal Pool <input type="checkbox"/>	Other <input type="checkbox"/>	
Comments: N/A		

Wetland Delineation Field Form (Cont.)

MAPPED SOILS:

SOIL SERIES (Map Unit Symbol)	WET	UP	NRCS MAPPED	FIELD IDD/ CONFIRMED
Ridgebury, Leicester, and Whitman soils, extremely stony (3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Woodbridge fine sandy loam, extremely stony (47)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DOMINANT PLANTS:

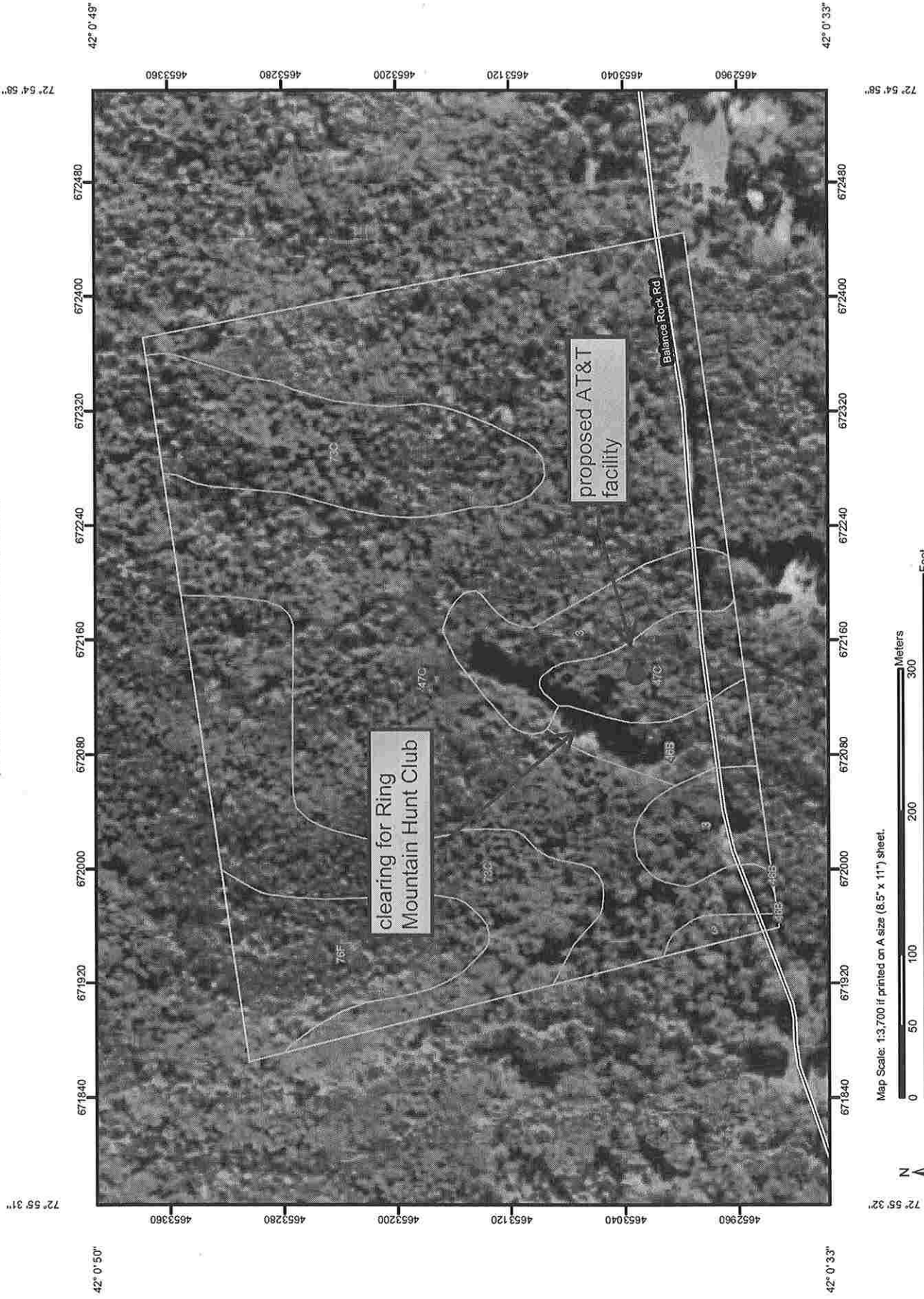
eastern hemlock (<i>Tsuga Canadensis</i>)	yellow birch (<i>Betula alleghaniensis</i>)
winterberry (<i>Ilex verticillata</i>)	spicebush (<i>Lindera benzoin</i>)
cinnamon fern (<i>Osmunda cinnamomea</i>)	trillium (<i>Trillium sp.</i>)
goldenthread (<i>Coptis groenlandica</i>)	meadow-rue (<i>Thalictrum polygamum</i>)
Indian cucumber root (<i>Medeola virginiana</i>)	

WETLAND NARRATIVE:

Wetland B is a forested swamp located within approximately 20 feet west of the existing gravel drive to the Ring Mountain Hunt Club house and shooting range. The wetland boundary is located along the west side of a fill slope apparently associated with the original development of the Ring Mountain Hunt Club. Some disturbance along the wetland edge was noted during the field investigation as evident by shallow fill (e.g., less than 1 foot) overlying original wetland soils in a few isolated locations.

As noted on the Field Numbering Sequence section of this form, the original wetland delineation performed by Kleinfelder included a relatively small isolated wetland feature identified by flags B1 to B4. VHB's investigation revealed a broader and more extensive wetland system that encompasses the original delineation. Field evidence of poorly drained soils (along with a predominance of wetland vegetation and evidence of wetland hydrology) that extends beyond the original delineation support VHB's amended delineation. The wetland boundary depicted on CHA's Site Access Map, latest revised date 08/30/10, accurately represents VHB's amended wetland delineation.

Soil Map—State of Connecticut
(95 Balance Rock Road, East Hartland, CT)



MAP LEGEND

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

MAP INFORMATION

Map Scale: 1:3,700 if printed on A size (8.5" x 11") sheet.
 The soil surveys that comprise your AOI were mapped at 1:12,000.
 Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: UTM Zone 18N NAD83

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

Soil Survey Area: State of Connecticut
 Survey Area Data: Version 7, Dec 3, 2009
 Date(s) aerial images were photographed: 8/14/2006

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

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	4.3	9.0%
46B	Woodbridge fine sandy loam, 2 to 8 percent slopes, very stony	1.4	2.9%
47C	Woodbridge fine sandy loam, 2 to 15 percent slopes, extremely stony	26.5	55.6%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	11.9	25.1%
76F	Rock outcrop-Hollis complex, 45 to 60 percent slopes	3.5	7.3%
Totals for Area of Interest		47.6	100.0%

Map Unit Description (Brief)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the selected area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit. A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The "Map Unit Description (Brief)" report gives a brief, general description of the major soils that occur in a map unit. Descriptions of nonsoil (miscellaneous areas) and minor map unit components may or may not be included. This description is written by the local soil scientists responsible for the respective soil survey area data. A more detailed description can be generated by the "Map Unit Description" report.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief)

State of Connecticut

Description Category: SOI

Map Unit: 3—Ridgebury, Leicester, and Whitman soils, extremely stony

Ridgebury, Leicester And Whitman Soils, Extremely Stony This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 50 inches (940 to 1270 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 40 percent Ridgebury soils, 35 percent Leicester soils, 15 percent Whitman soils. 10 percent minor components. Ridgebury soils This component occurs on upland drainageway and depression landforms. The parent material consists of lodgement till derived from granite, schist, and gneiss. The slope ranges from 0 to 5 percent and the runoff class is very low. The depth to a restrictive feature is 20 to 30 inches to densic material. The drainage class is poorly drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 2.5 inches (low) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 3 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s Typical Profile: 0 to 1 inches; slightly decomposed plant material 1 to 5 inches; fine sandy loam 5 to 14 inches; fine sandy loam 14 to 21 inches; fine sandy loam 21 to 60 inches; sandy loam Leicester soils This component occurs on upland drainageway and depression landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 0 to 5 percent and the runoff class is very low. The depth to a restrictive feature is greater than 60 inches. The drainage class is poorly drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 7.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 9 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s Typical Profile: 0 to 1 inches; moderately decomposed plant material 1 to 7 inches; fine sandy loam 7 to 10 inches; fine sandy loam 10 to 18 inches; fine sandy loam 18 to 24 inches; fine sandy loam 24 to 43 inches; gravelly fine sandy loam 43 to 65 inches; gravelly fine sandy loam Whitman soils This component occurs on upland drainageway and depression landforms. The parent material consists of lodgement till derived from gneiss, schist, and granite. The slope ranges from 0 to 2 percent and the runoff class is very low. The depth to a restrictive feature is 12 to 20 inches to densic material. The drainage class is very poorly drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 1.9 inches (very low) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is occasional. The minimum depth to a seasonal water table, when present, is about 0 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s Typical Profile: 0 to 1 inches; slightly decomposed plant material 1 to 9 inches; fine sandy loam 9 to 16 inches; fine sandy loam 16 to 22 inches; fine sandy loam 22 to 60 inches; fine sandy loam

Map Unit: 46B—Woodbridge fine sandy loam, 2 to 8 percent slopes, very stony

Woodbridge Fine Sandy Loam, 2 To 8 Percent Slopes, Very Stony This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 80 percent Woodbridge soils. 20 percent minor components. Woodbridge soils This component occurs on upland drumlin and hill landforms. The parent material consists of lodgement till derived from schist, granite, and gneiss. The slope ranges from 2 to 8 percent and the runoff class is low. The depth to a restrictive feature is 20 to 40 inches to densic material. The drainage class is moderately well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 3.9 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 6s Typical Profile: 0 to 7 inches; fine sandy loam 7 to 18 inches; fine sandy loam 18 to 26 inches; fine sandy loam 26 to 30 inches; fine sandy loam 30 to 43 inches; gravelly fine sandy loam 43 to 65 inches; gravelly fine sandy loam

Map Unit: 47C—Woodbridge fine sandy loam, 2 to 15 percent slopes, extremely stony

Woodbridge Fine Sandy Loam, 2 To 15 Percent Slopes, Extremely Stony This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 80 percent Woodbridge soils. 20 percent minor components. Woodbridge soils This component occurs on upland drumlin and hill landforms. The parent material consists of lodgement till derived from schist, granite, and gneiss. The slope ranges from 2 to 15 percent and the runoff class is medium. The depth to a restrictive feature is 20 to 40 inches to densic material. The drainage class is moderately well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 3.9 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s Typical Profile: 0 to 7 inches; fine sandy loam 7 to 18 inches; fine sandy loam 18 to 26 inches; fine sandy loam 26 to 30 inches; fine sandy loam 30 to 43 inches; gravelly fine sandy loam 43 to 65 inches; gravelly fine sandy loam

Map Unit: 73C—Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky

Charlton-Chatfield Complex, 3 To 15 Percent Slopes, Very Rocky This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 45 percent Charlton soils, 30 percent Chatfield soils. 25 percent minor components. Charlton soils This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, schist and gneiss. The slope ranges from 3 to 15 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 6s Typical Profile: 0 to 4 inches; fine sandy loam 4 to 7 inches; fine sandy loam 7 to 19 inches; fine sandy loam 19 to 27 inches; gravelly fine sandy loam 27 to 65 inches; gravelly fine sandy loam Chatfield soils This component occurs on upland hill and ridge landforms. The parent material consists of melt-out till derived from gneiss, granite, and schist. The slope ranges from 3 to 15 percent and the runoff class is low. The depth to a restrictive feature is 20 to 40 inches to bedrock (lithic). The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 3.3 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 6s Typical Profile: 0 to 1 inches; highly decomposed plant material 1 to 6 inches; gravelly fine sandy loam 6 to 15 inches; gravelly fine sandy loam 15 to 29 inches; gravelly fine sandy loam 29 to 36 inches; unweathered bedrock

Map Unit: 76F—Rock outcrop-Hollis complex, 45 to 60 percent slopes

Rock Outcrop-Hollis Complex, 45 To 60 Percent Slopes This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 54 degrees F. (7 to 12 degrees C.) This map unit is 55 percent Rock Outcrop, 25 percent Hollis soils, 20 percent minor components. Rock Outcrop This component occurs on bedrock controlled landforms. The parent material consists of. The slope ranges from 45 to 60 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8 Hollis soils This component occurs on upland hill and ridge landforms. The parent material consists of melt-out till derived from granite, gneiss, and schist. The slope ranges from 45 to 60 percent and the runoff class is high. The depth to a restrictive feature is 10 to 20 inches to bedrock (lithic). The drainage class is somewhat excessively drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 1.8 inches (very low) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s Typical Profile: 0 to 1 inches; highly decomposed plant material 1 to 6 inches; gravelly fine sandy loam 6 to 9 inches; channery fine sandy loam 9 to 15 inches; gravelly fine sandy loam 15 to 25 inches; unweathered bedrock

Data Source Information

Soil Survey Area: State of Connecticut
Survey Area Data: Version 7, Dec 3, 2009



December 3, 2009

Paul Lusitani
Project Manager
Clough Harbour & Associates, LLP
2139 Silas Deane Highway
Rocky Hill, CT 06067

**RE: Wetland & Watercourse Delineation Report – West Hartland
95 Balance Rock Road
East Hartland, CT 06475
Project # 106958**

Dear Mr. Lusitani:

Kleinfelder East, Inc. (Kleinfelder) completed an on-site investigation to determine the presence or absence of wetlands and/or watercourses on the above referenced property (Balance Rock Road), as requested by Clough Harbour & Associates. 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 (Soil Survey Staff, 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 October 19, 2009, with a temperature in the mid-60s under sunny conditions. Soil types were 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) were completed. Wetland and watercourse boundaries were identified with flags and hung from vegetation or stakes if in fields or grass communities. These flags are labeled "Wetland Delineation" and generally spaced approximately 25 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 Regulations

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 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).

One on-site wetland system was delineated during the October 2009 site visit (see attached plans). The wetland consisted of both palustrine, forested, needle-leaved evergreen, saturated (USFWS class: PFO4) and riverine, upper perennial, unconsolidated bottom, cobble-gravel (USFWS class: R2UB1) wetland systems. As indicated by its classification, this wetland community is predominantly an Eastern Hemlock (*Tsuga canadensis*; FACU) forested habitat with occasional patches of Great Laurel (*Rhododendron maximum*; FAC, Table 1). The wetland (flags A12 – A19) occurs upgradient and to the north and east of the proposed construction site and becomes a watercourse approximately at flag A12, east of the construction site. Although the landscape slopes from east to west, the area of proposed construction occurs in an elevated area several feet higher than the wetland/watercourse and thus upgradient from it. Since this area is elevated, it sits above the water table and appears to channel flow to the drainage ditch beside Balance Rock Road (flags A1- A4; Figures 1 and 2). This water then flows through a culvert under the access driveway, and continues along the road for about 20 feet (flags AB1 and AB2) before it dissipates into the woods to the west. At this point, small depressional wet areas occur to the west of the proposed site, the closest marked by flags B1 – B4.

The distance from the proposed project where ground disturbance would occur to the nearest wetland is approximately 20 feet. Due to the proximity of the wetland, an appropriate erosion and sediment control plan will be implemented to prevent disturbance to the wetland area. No activity will occur directly within the delineated wetland area, other than any required updating of the existing utility line that crosses a portion of the stream. With these considerations, the proposed project does not appear to directly impact the wetland’s hydrologic functional role. In addition, severe impacts to any wildlife habitat provided by the wetland are not likely as this portion of the wetland is

already fragmented by the existing road, driveway, structures and grounds associated with the current property surroundings. No sensitive species or notable habitat usage (nests, etc.) were observed.

TABLE 1: Predominate Vegetation within and adjacent to the wetlands (Common (*Scientific*) names). Nomenclature and wetland indicator status from USDA (2009).

TREES & SAPLINGS	Wetland Indicator Status
Eastern Hemlock (<i>Tsuga canadensis</i>)	FACU
SHRUBS	
Great Laurel (<i>Rhododendron maximum</i>)	FAC
Mountain Laurel (<i>Kalmia latifolia</i>)	FACU
HERBS/VINES	
Royal Fern (<i>Osmunda regalis</i>)	OBL
Cinnamon Fern (<i>Osmunda cinnamomea</i>)	FACW

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

Woodbridge fine sandy loam, 2 to 15 percent slopes, extremely stony

Coarse-loamy, mixed, active, mesic Aquic Dystrudepts

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. Diagnostic horizons and features recognized in this pedon are an ochric epipedon from 0 to 7 inches (Ap horizon), a cambic horizon from 7 to 30 inches (Bw horizons), aquic features, i.e. low chroma iron depletions within a 24 inch depth (Bw2 horizon) and densic materials from 30 to 65 inches (Cd1 and Cd2 horizons).

Wetland Soils

Ridgebury, Leicester, and Whitman Soils, extremely stony

Loamy, mixed, active, acid, mesic, shallow Aeric Endoaquepts and Typic Humaquepts

The Ridgebury series consists of very deep, somewhat poorly and poorly drained soils formed in till derived mainly from granite, gneiss and schist. They are commonly shallow to a densic contact. They are nearly level to gently sloping soils in low areas in uplands. Slope ranges from 0 to 15 percent. Diagnostic horizons and features in this pedon include an ochric epipedon from 0 to 5 inches (A horizon), aeric features from 5 to 9

inches with hue of 10YR and both color value moist of 4 and chroma moist of 3 (Bw1 horizon), a cambic horizon from 5 to 18 inches (Bw and Bg horizons), densic contact root limiting materials at 18 inches (Cd), endosaturation from 9 to 18 inches and saturation above the densic contact (Bw2 horizon). A seasonal high water table is perched above the densic materials.

The Leicester series consists of very deep, poorly drained loamy soils formed in friable till. They are nearly level or gently sloping soils in drainageways and low-lying positions on hills. Slope ranges from 0 to 8 percent. The horizons and features recognized in this pedon are an ochric epipedon from 1 to 7 inches (A horizon), a cambic horizon from 7 to 23 inches (Bg and BC horizons), an aquic moisture regime as indicated by chroma of 2 in Bg horizon.

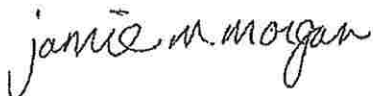
The Whitman series consists of very deep, very poorly drained soils formed in glacial till derived mainly from granite, gneiss, and schist. They are shallow to a densic contact. These soils are nearly level or gently sloping soils in depressions and drainageways on uplands. Permeability is moderate or moderately rapid in the solum and slow or very slow in the substratum. Diagnostic horizons and features in this pedon include an umbric epipedon from the soil surface to a depth of 10 inches (Ap horizon), a cambic horizon from 10 to 18 inches (Bg horizon), aquic conditions as evidenced by a chroma of 1 in the Bg horizon, and densic contact and root limiting layers at 18 inches.

SUMMARY CLOSING

The proposed tower development project is not anticipated to cause an adverse impact on the delineated wetlands noted in this report, as long as appropriate soil erosion and sedimentation controls are implemented.

Thank for the opportunity to work with you on this project. Please contact me at (860) 683-4200 if you have any questions or require additional assistance.

Very truly yours,
Kleinfelder East, Inc.



Jamie Morgan
Ecologist/Soil Scientist

Ben Rieger
Project Manager

REFERENCES

Brinson, M.M. 1993. *A Hydrogeomorphic Classification for Wetlands*. Tech. Rpt.WRP-DE-4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

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.

Soil Survey Staff. 1993. *Soil Survey Manual*. USDA Handbook No. 18. United States Government Printing Office, Washington, D.C., USA.

USDA, NRCS. 2009. The PLANTS Database (<http://plants.usda.gov>, 26 October 2009). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.

Kleinfelder Photo Documentation

Client: Clough Harbor
Site Name: CHA West Hartland
SR 2587

Site Location: East Hartland, CT
KA Project Number: 106958

Date Photographs Taken:
October 19, 2009

Figure 1:
View Direction: East

View of wetland drainage along road.



Figure 2:
View Direction: North

View of ponded area near road. Wetland continues north into forest.





August 30, 2010

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

RE: Tree Inventory
Site: West Hartland
95 Balance Rock Road
East Hartland, CT 06027
CHA # 18301-1040-1101

A site survey was completed at the subject site in October of 2009. 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 twenty-four (24) 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. The quantity and size of trees being removed is summarized in the below table:

Tree Diameter	Number of Trees to be Removed
6"	2
8"	6
10"	6
12"	3
18"	2
24"	1
30"	1
36"	2
40"	1
TOTAL	24

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

Paul Lusitani
Project Engineer

W:\SAI Cingular\18301\Sites\1040 West Hartland 2587\ZD\West Hartland-10 TREE INVENTORY 11-24-09.doc

Tony Wells
 C Squared Systems
 920 Candia Road
 Manchester, NH 03109
 603-657-9702
 Tony.Wells@csquaredsystems.com



June 10, 2010

Connecticut Siting Council

Subject: New Cingular Wireless, East Hartland, CT

Dear Connecticut Siting Council:

C Squared Systems has been retained by New Cingular Wireless to investigate the RF Power Density at the proposed site located at 95 Balance Rock Road, East Hartland, CT.

Calculations were done in accordance with FCC OET Bulletin 65. These worst-case calculations assume that all transmitters are simultaneously operating at full power and pointing directly at the ground. The calculation point is 6 feet above ground level to model the RF power density at the head of a person standing at the base of the tower.

Location	Carrier	Antenna Centerline Height Above Ground Level (Ft.)	Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Power Density (mw/cm ²)	Limit	% FCC MPE Limit General Public/Uncontrolled
Ground Level	AT&T UMTS	187	880	1	500	0.0055	0.5867	0.94%
	AT&T UMTS	187	1900	1	500	0.0055	1.0000	0.55%
	AT&T GSM	187	880	3	296	0.0098	0.5867	1.66%
	AT&T GSM	187	1900	1	427	0.0047	1.0000	0.47%
	Total							

Summary: Under worst-case assumptions, the RF Power Density at the proposed site located at 95 Balance Rock Road, East Hartland, CT will not exceed 3.62% of the FCC MPE limit for General Public/Uncontrolled Environments.

Sincerely,

Anthony Wells
 Managing Partner

**ASTM E-1903-97 PHASE II
ENVIRONMENTAL SITE ASSESSMENT**

**West Hartland #2587
Telecommunications Facility**
95 Balance Rock Road
East Hartland, MD 06027
Hartford County

Prepared for:

AT&T Mobility
500 Enterprise Drive
Rocky Hill, CT 06067

Prepared by:



3420 Morningwood Drive
Suite 100
Olney, MD 20832
(301) 562-1975

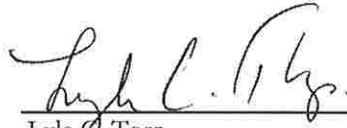
June 4, 2010

STATEMENT OF QUALIFICATIONS

I, **Lyle C. Torp**, declare that to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312.

I, **Lyle C. Torp**, have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312, with the exception of those limitations and data gaps detailed in Section 1.2 of this report.

Prepared by:



Lyle C. Torp
Managing Director

June 4, 2010

Date

TABLE OF CONTENTS

STATEMENT OF QUALIFICATIONS..... I
TABLE OF CONTENTS..... II
1.0 EXECUTIVE SUMMARY..... 1
2.0 INTRODUCTION 2
3.0 PROPERTY OVERVIEW..... 3
4.0 SAMPLING METHODOLOGY AND RESULTS..... 4
 4.1 SAMPLING RESULTS 4
 4.1.1 Soils..... 4
5.0 SUMMARY AND CONCLUSIONS..... 6
6.0 STATEMENT OF LIMITATIONS..... 7

APPENDICES
APPENDIX A: Site Location Map..... 8
APPENDIX B: Site Photographs..... 10
APPENDIX C: Site Plans with Sampling Locations..... 13
APPENDIX D: Chain-of-Title Custody and Laboratory Analysis 15

1.0 EXECUTIVE SUMMARY

A Phase II Environmental Site Assessment (ESA) was prepared by The Ottery Group, Inc. to evaluate the impact of recognized environmental conditions associated with an approximately 12.1-acre parcel of land (subject property) on a proposed lease area (Subject Site) on the tract that will be used for a telecommunications facility. The subject property is located in East Hartland, Connecticut, and is owned by the Ring Mountain Hunt Club. An ESA was prepared at the request of AT&T Mobility (AT&T) prior to the construction of an approximately 190-foot monopole at the Subject Site. The proposed Subject Site is located approximately 2,200 feet west of the intersection of Balance Rock Road and North Hollow Road in East Hartland, Connecticut.

This report was prepared as a follow-up investigation to a Phase I ESA prepared by The Ottery Group, Inc. dated March 22, 2010. The Phase I ESA raised concerns about the potential for onsite sources of contamination resulting from the presence of a shooting range located on the subject property, north of the Subject Site. Accordingly, AT&T requested that sampling and analysis of soils at the Subject Site be conducted to further clarify some of the potential environmental risk associated with the construction, operation, and eventual decommissioning of the proposed West Hartland #2587 telecommunications facility.

In conducting this ESA, the following documents pertaining to the Subject Site were reviewed: the Phase I Environmental Site Assessment, prepared by The Ottery Group, Inc. dated December 16, 2003, information provided by Environmental Data Resources, Inc., and site plans provided by AT&T. An initial visual inspection of the Subject Site was conducted on October 29, 2009. Sampling at the site was conducted on May 21, 2010.

The investigation of the property was conducted to determine the potential presence of contaminants that may have adversely affected soil at the Subject Site. One soil sample was collected for laboratory analysis from the approximate location (as delineated by the site contact) of the proposed telecommunications facility. Two additional soil samples were taken closer to the shooting range. The soil sample was analyzed for lead according to EPA Method 6010.

This limited investigation indicates that the soils at the Subject Site and across the subject property have not been significantly impacted by the presence shooting range on the subject property. The concentration of lead detected in the soil sample indicates that the Subject Site is not likely to have been adversely impacted by the presence of the shooting range.

2.0 INTRODUCTION

A Phase II Environmental Site Assessment (ESA) was prepared by The Ottery Group, Inc. to evaluate the impact of recognized environmental conditions associated with an approximately 12.1-acre parcel of land (subject property) on a proposed lease area (Subject Site) on the tract that will be used for a telecommunications facility. The subject property is located in East Hartland, Connecticut, and is owned by the Ring Mountain Hunt Club. An ESA was prepared at the request of AT&T Mobility (AT&T) prior to the construction of an approximately 190-foot monopole at the Subject Site. The proposed Subject Site is located approximately 2,200 feet west of the intersection of Balance Rock Road and North Hollow Road in East Hartland, Connecticut.

The subject property is occupied by the Ring Mountain Hunt Club members lodge, consisting of a lodge building, shooting range, barbeque area, recreational area, and wooded land. The surrounding areas were determined to be primarily residential and rural wooded land, as well, it was determined that the surrounding areas have residential and wooded. The Subject Site is located in the southern portion of the subject property, and currently exists as a wooded parcel of land.

The purpose of this ESA is to present data regarding potential environmental issues, if present, which may be associated with the leased area (Subject Site) related to past uses, present activities, and current conditions resulting from the presence of the shooting range on the subject property. In addition, the Phase I ESA raised concerns about the potential for future contamination related to the presence of the shooting range located on the subject property. AT&T commissioned a Phase I ESA for the proposed site location and surrounding area from The Ottery Group, Inc. on October 19, 2009. The Ottery Group, Inc. performed a site visit on October 29, 2009 and completed the Phase I ESA report on March 22, 2010. This report concluded that the subject property is unlikely to have been adversely impacted by offsite sources of contamination in the surrounding area. However, the report did cite the potential for onsite sources of contamination resulting from current and historic activities on the subject property. Identified contamination resulting from this prior use constitute a recognized environmental condition (REC).

The Phase I ESA raised concerns about the potential for onsite sources of contamination resulting from the presence of a shooting range on the subject property.

Accordingly, AT&T requested that the sampling and analysis of soils at the Subject Site be conducted to further clarify some of the potential environmental risk associated with the construction, operation, and eventual decommissioning of the proposed facility. This Phase II ESA presents the results of the sampling and analysis conducted at the location of the proposed telecommunications facility and at two other locations on the subject property. The purpose of the sampling was to document the presence or absence of lead contaminants in the immediate area of the Subject Site for the purpose of developing a baseline study of pre-existing conditions of the Subject Site. The sampling and analysis is not intended to characterize the extent of any existing contamination that may have impacted the property on which the Subject Site is located. The sampling and analysis was performed in general conformance with the scope and limitations of E1903-97 Standard Practices (*Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*).

3.0 PROPERTY OVERVIEW

The subject property is occupied by the Ring Mountain Hunt Club, consisting of a lodge building, shooting range, barbeque area, recreational area, and wooded land. The surrounding areas were determined to be primarily residential and rural wooded land.

The Subject Site is located in the southern portion of the subject property and contains approximately 10,000-square feet of area. The Subject Site is currently an undeveloped, wooded parcel of land. AT&T intends to lease the Subject Site from the Ring Mountain Hunt Club for the purpose of constructing a telecommunications facility at the location.

The Ottery Group, Inc. prepared a Phase I ESA, dated March 22, 2010, for the subject property on behalf of AT&T. This Phase I identified the presence of a shooting range as a potential concern at the subject property. Ammunition commonly used at shooting ranges contains lead. The lead is then deposited in the soil where it is released in a soluble form. High soil lead concentrations are common at shooting ranges.

4.0 SAMPLING METHODOLOGY AND RESULTS

The follow are descriptions of the methods employed during this investigation.

Soil samples were collected by using an auger and a shovel in order to sample soils directly beneath the organic layer.

Soil samples were collected using a shovel. A sample of the soils at each of the three locations was put into a 4-ounce glass sample container. Chain of custody was maintained from sample collection to delivery of sample custody to Maryland Spectral Services.

4.1 Sampling Results

The purpose of the sampling was to document the presence or absence of lead contaminants in the immediate area of the Subject Site for the purpose of developing a baseline study of pre-existing conditions at the Subject Site. The sampling and analysis is not intended to characterize the extent of any existing contamination that may have impacted the property on which the Subject Site is located.

The soil samples were analyzed for the presence of lead. Analysis was conducted by Maryland Spectral Services.

4.1.1 Soils

One composite soil sample (West Hartland 1) was collected from the approximate location (as delineated by the site contact) of the proposed telecommunications facility. A site map with the location of the soil sampling locations is included in Appendix D. The sample was composed of soils collected approximately 6 inches from the surface. Two additional soils samples (West Hartland 2 and West Hartland 3) were collected on the subject property. West Hartland 2 was collected approximately 150 feet north of the Subject Site. West Hartland 3 was collected approximately 225 feet north of the Subject Site. The samples were collected by a representative of The Ottery Group on May 21, 2010.

Detectable concentrations of contaminants in the soil sample were compared to the State of Connecticut Department of Environmental Protection's Remediation Standard Regulations (January 1996).

A summary of the results for the analyses of the soil samples collected at the Subject Site is shown in Table 1.

Analysis	Concentrations (in ppm)			
	West Hartland 1	West Hartland 2	West Hartland 3	Connecticut Remediation Standard Regulation (non-residential)
Lead	39.1	8.6	55.8	1,000

This limited subsurface investigation indicates that the soils beneath the Subject Site and across the subject property have not been significantly impacted by the presence of the shooting range. Although concentrations of lead were detected in the soil samples, these concentrations did not exceed Connecticut's Remediation Standard Regulation levels for soil. The concentration of lead detected in the soil sample indicates that the Subject Site is not likely to have been adversely impacted by the presence of the shooting range operated by the Ring Mountain Hunt Club on the subject property.

5.0 SUMMARY AND CONCLUSIONS

A Phase II Environmental Site Assessment (ESA) was prepared by The Ottery Group, Inc. to evaluate the impact of recognized environmental conditions associated with an approximately 12.1-acre parcel of land (subject property) on a proposed lease area (Subject Site) on the tract that will be used for a telecommunications facility. The subject property is located in East Hartland, Connecticut, and is owned by the Ring Mountain Hunt Club. An ESA was prepared at the request of AT&T Mobility (AT&T) prior to the construction of an approximately 190-foot monopole at the Subject Site. The proposed Subject Site is located approximately 2,200 feet west of the intersection of Balance Rock Road and North Hollow Road in East Hartland, Connecticut. The sampling and analysis was performed in general conformance with the scope and limitations of E1903-97 Standard Practices (*Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*).

This limited subsurface investigation indicates that the soils beneath the Subject Site have not been significantly impacted by the presence of the shooting range on the subject property. Although concentrations of lead were detected in the soil sample, these concentrations did not exceed Connecticut's Remediation Standard Regulation levels for soil. The concentration of lead detected in the soil sample indicates that the Subject Site is not likely to have been adversely impacted by the presence of the shooting range operated by the Ring Mountain Hunt Club on the subject property.

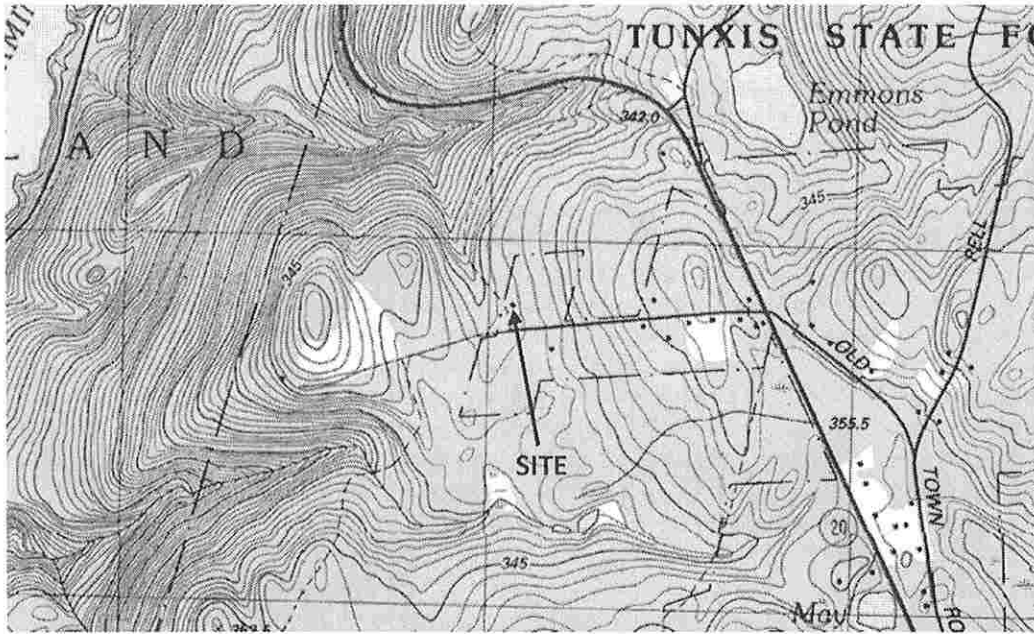
Based on a review of available environmental regulatory agency databases, it is the opinion of The Ottery Group that the detected lead presence has a low potential to have originated from offsite sources in the surrounding area. Based on the use of the subject property as a hunting lodge and shooting range, there is a high probability that the concentrations of lead detected in the soil samples is the result of onsite uses of the subject property. These levels may also be naturally occurring.

6.0 STATEMENT OF LIMITATIONS

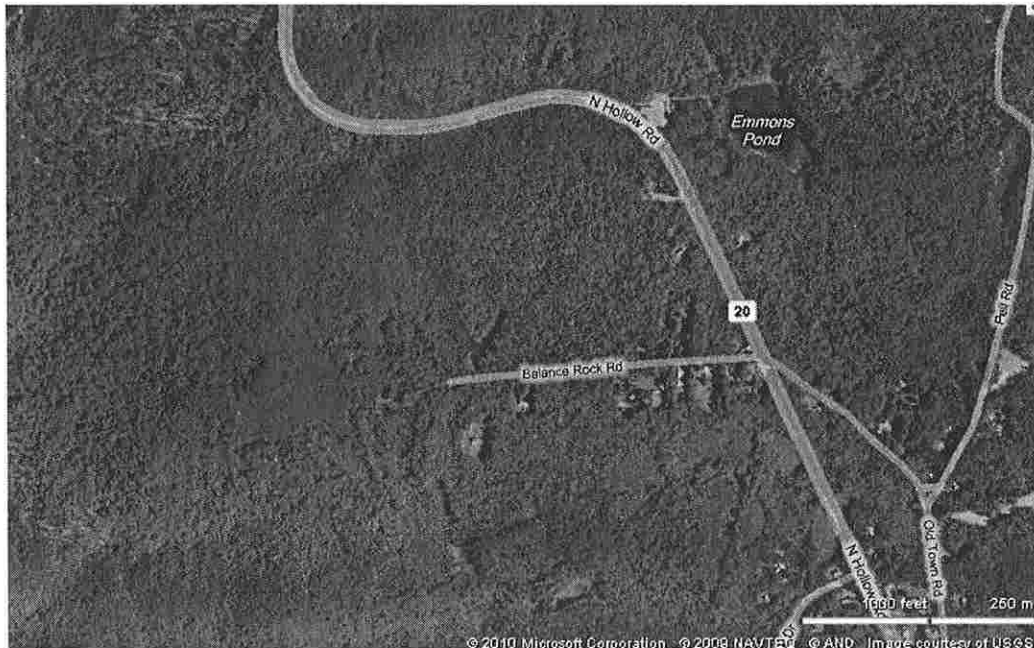
The conclusions of this assessment are based on the conditions existing on the Subject Site on May 21, 2010. The conclusions are based in part on representations and observations told to The Ottery Group by others; The Ottery Group cannot attest to the accuracy or completeness of these representations or observations. Past conditions were considered on the basis of readily available records, interviews and recollections. While The Ottery Group has endeavored to do a thorough job, it is possible that past contamination remains undiscovered. It is possible that future regulatory modifications, agency interpretation, or policy changes may affect the compliance status of this facility. The scope of work, the data presented, and the opinions expressed in this report are qualified as follows:

- The purpose of the sampling was to document the presence or absence of contaminants in the immediate area of the Subject Site for the purpose of developing a baseline study of pre-existing conditions of the Subject Site. The sampling and analysis is not intended to characterize the extent of any existing contamination that may have impacted the property on which the Subject Site is located. The sampling and analysis was performed in general conformance with the scope and limitations of E1903-97 Standard Practices (*Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*).
- The Ottery Group derived the data in this report primarily from physical and visual inspections, examination of records in the public domain and interviews with individuals with information about the Subject Site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further investigation of the Subject Site, analysis of the data, and reevaluation of the findings, observations, conclusions, and recommendations expressed in the report.
- In preparing this report, The Ottery Group has relied upon, and presumed accurate, certain information about the Subject Site and adjacent properties provided by governmental officials and agencies, AT&T, and others identified within the written report. Except as otherwise stated in the report, The Ottery Group has not attempted to verify the accuracy or completeness of such information.
- Because of the limitations stated above, the findings, observations, conclusions, and recommendations expressed by The Ottery Group in this report are limited to the information obtained and the investigations undertaken and should not be considered an opinion concerning the compliance of any past or current owner or operator of the Subject Site with any federal, state, or local law or regulation. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported or findings, observations, conclusions, and recommendations expressed in this report. Further, such data, findings, observations, conclusions, and recommendations are based solely upon Subject Site conditions in existence at the time of the site investigation. The Ottery Group does not warrant that the property is suitable for any particular purpose, nor does the issuance of this report imply that the property is "clean."
- This report has been prepared on behalf of and for the exclusive use of AT&T. No other person or entity may rely on this report and the information contained therein without the written permission of The Ottery Group and AT&T.

APPENDIX A: Site Location Map



Southwick, CT USGS 7.5 Minute Topographic Map



Aerial Photograph of the Subject Site and Surrounding Area

APPENDIX B: Site Photographs

Photo 1:

View of the proposed site location.

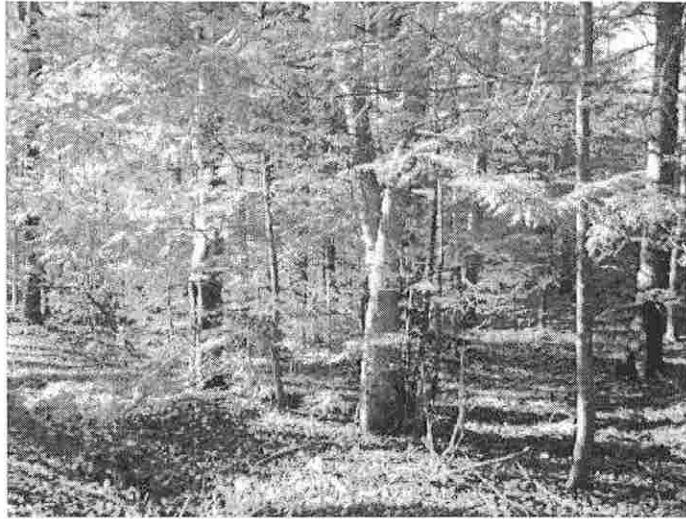


Photo 2:

View of the ground surface at the proposed site location.

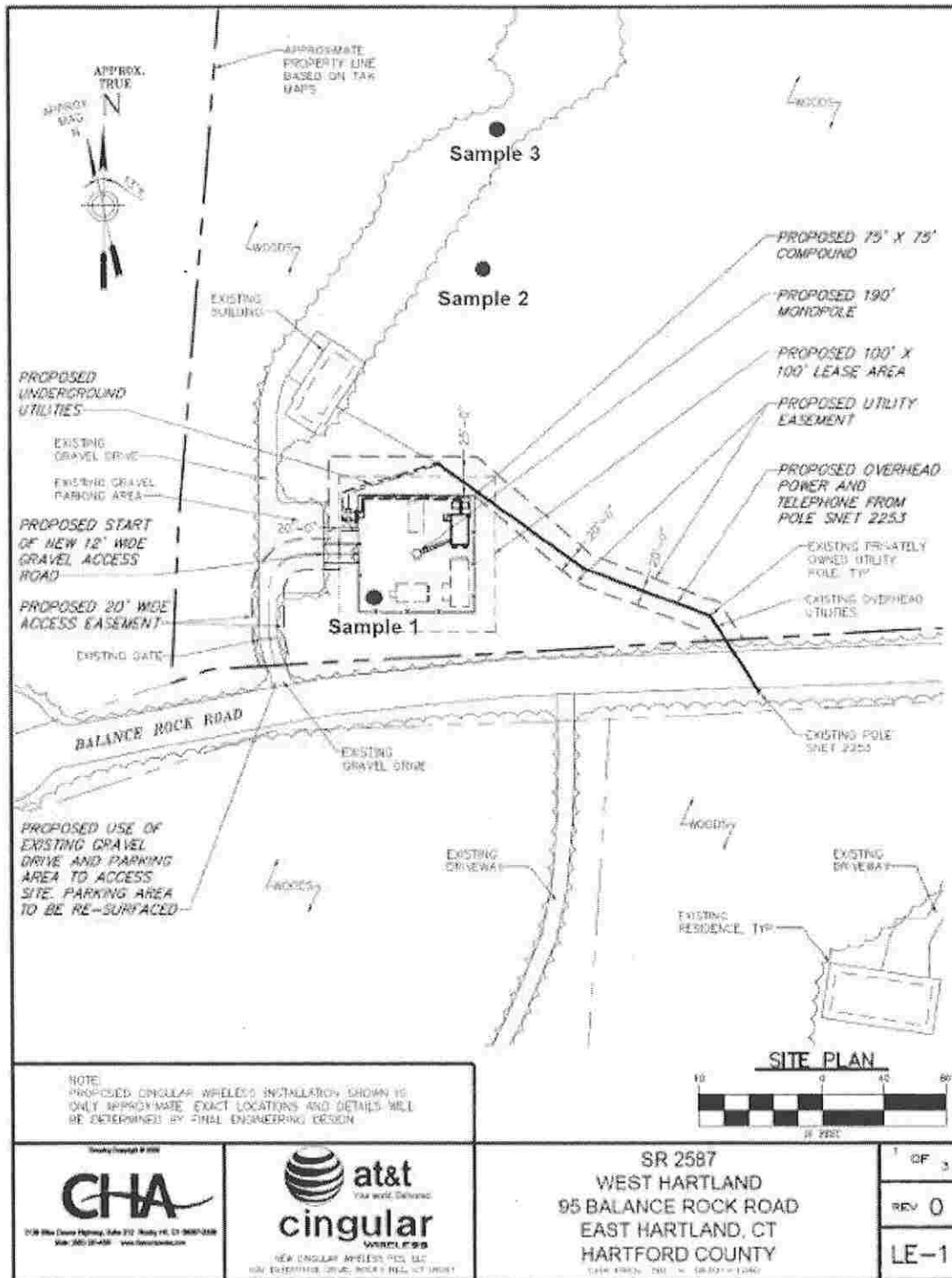


Photo 3:

View of the shooting range on the subject property.



APPENDIX C: Site Plans with Sampling Locations



APPENDIX D: Chain-of-Title Custody and Laboratory Analysis

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive, Baltimore, MD 21227

LEAD BY EPA METHOD 6010*

CLIENT SAMPLE ID:	1	2	3
	WEST HARTLAND	WEST HARTLAND	WEST HARTLAND
MSS SAMPLE ID:	10052405	10052406	10052407
ECL SAMPLE ID:	020043001	020043002	020043003
SAMPLE DATE:	05/21/10	05/21/10	05/21/10
MSS RECEIVED DATE:	05/24/10	05/24/10	05/24/10
ANALYSIS DATE:	05/26/10	05/26/10	05/26/10
% SOLIDS:	54	54	56
MATRIX:	SOIL	SOIL	SOIL
UNITS:	mg/kg	mg/kg	mg/kg
ANALYTE	(Results reported on a dry-weight basis)		
Lead	<u>39.1</u>	<u>8.6</u>	<u>55.8</u>
(Detection Limit)	(6.5)	(6.1)	(5.7)

ng/kg - Milligrams per kilogram (parts per million)
< - Less than reported detection limit

* These analyses performed by Enviro-Chem Laboratories, Inc., Sparks, MD

Page 1 of 1



Memorandum

To: Mr. David Vivian
New Cingular Wireless PCS, LLC
500 Enterprise Drive, Suite 3A
Rocky Hill, Connecticut, 06067

Date: September 8, 2010

Project No.: 41502.25

From: Dean Gustafson
Senior Environmental Scientist

Re: Barkhamsted Reservoir
Public Water Supply Watershed
AT&T West Hartland Facility
95 Balance Rock Road
Hartland, Connecticut

The proposed AT&T West Hartland Facility, located on the Ring Mountain Hunt Club property at 95 Balance Rock Road in Hartland, Connecticut lies in the Barkhamsted Reservoir public drinking water supply watershed. Refer to the enclosed Public Water Supply Watershed Map.

The Barkhamsted Reservoir is owned and operated by The Metropolitan District (MDC). Based on Vanasse Hangen Brustlin, Inc. (VHB) experiences with other wireless telecommunication facilities located within MDC's public water supply watersheds, certain precautions, monitoring and notifications are required by MDC to protect this important resource. VHB provides the following recommendations that should be incorporated into the final site plan. Should this Facility receive approval from the Connecticut Siting Council, these recommendations could be incorporated during the Council's Development and Management (D&M) process.

Erosion and Sedimentation Controls

The proposed AT&T construction project will follow an approved soil erosion and sedimentation control plan designed in accordance with the *2002 Connecticut Guidelines For Soil Erosion and Sediment Control*. The installed erosion devices will be inspected once every seven days and after significant rainfall events of greater than one half inch to ensure that proper precautions are taken to avoid the release of sediment into nearby resource areas. These inspections will be documented on an Erosion and Sedimentation Control Site Inspection Form (please refer to attached form). In addition to the site contractor being responsible for the proper installation and daily inspection of erosion and sedimentation (E&S) controls, staff from Vanasse Hangen Brustlin, Inc. will independently inspect E&S controls and document their condition and recommend any actions necessary to bring the controls back into compliance. This E&S control inspection procedure will help avoid erosion and sedimentation problems by ensuring that the erosion control devices are maintained and functioning properly. Copies of the completed forms will be submitted to the MDC and Connecticut Siting Council throughout the duration of the construction project.

Erosion and sedimentation control items subject to inspection include, but are not limited to the following:

- Construction Entrance Pad
- Sediment Traps
- Sediment/ Detention Basins
- Temporary Soil Stockpile Areas
- Silt Fencing/Hay Bales
- Seeding & Mulching
- Drainage Swales
- Drainage Swale Check Dams
- Other Site-Specific Erosion Control Devices

Spill Prevention Plan

Certain precautions are necessary to contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the project's location in a public water supply watershed. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the site contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper disposal off site. The following procedures will be adhered to by the contractor in case of a petroleum release.

Initial Response

- Stop operations and shut off equipment.
- Remove any sources of spark or flame.
- Contain the source of the spill.
- Determine the approximate volume of the spill.
- Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.
- Ensure that fellow workers are notified of the spill.

Clean Up & Containment

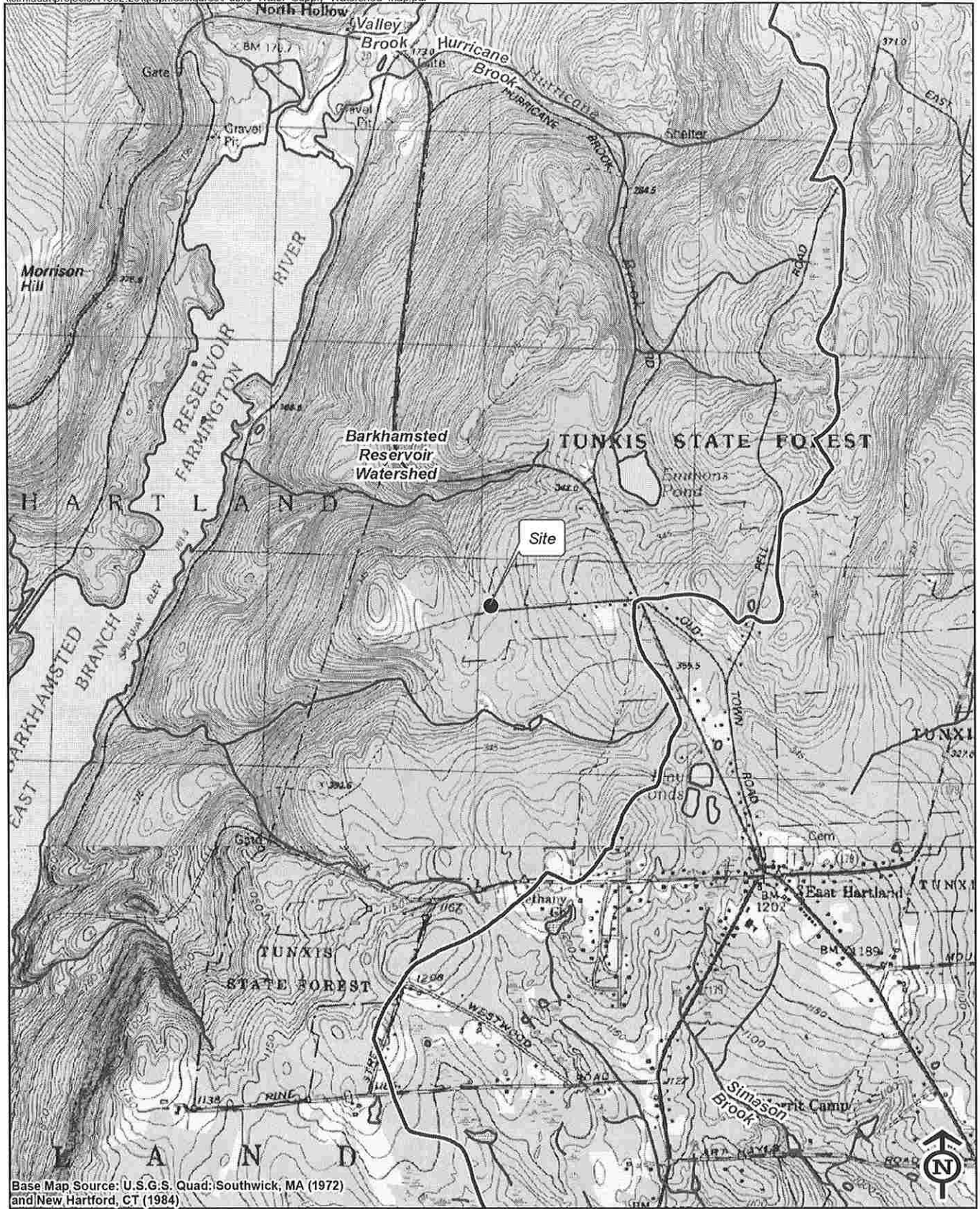
- Obtain spill response materials from the on-site spill response kit.
- Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
- Contact The Metropolitan District immediately at (860) 379-0916 ext. 3103 or 31205, along with other appropriate local, state and/or federal agencies, as necessary.
- Contact a disposal company to properly dispose of contaminated materials.

Follow-Up

- Complete an incident report.
- Submit a completed incident report to The MDC.

The MDC and Connecticut Siting Council will be noticed at least 48 hours in advance of a pre-construction meeting with an invitation to attend. During the project's pre-construction meeting, the contractor will be made aware of the special protective precautions that are required due to the project's location in the Barkhamsted Reservoir public water supply watershed.

Enclosures



Base Map Source: U.S.G.S. Quad: Southwick, MA (1972)
and New Hartford, CT (1984)

Legend

- Proposed Tower Site
- Public Water Supply Watershed
- ~ Watercourse

Vanasse Hangen Brustlin, Inc.

**Public Water Supply Watershed Map
Proposed AT&T Wireless
Telecommunications Facility
West Hartland
95 Balance Rock Road
Hartland, Connecticut**



Proposed AT&T Development

E&S Site Inspection Form

DOCKET # ___ : WEST HARTLAND – 95 Balance Rock Road, Hartland, Connecticut

Report No. ___

Page ___ of ___

Date / Time of Inspection: _____ Weather Conditions: _____

Recent Precipitation Event: _____

Construction Activities Underway:

Status of Existing BMPs

Erosion Control Measure	Status – Cleaning or Repair Needed	Comments/Notes
Hay Bales/Silt Fence	<input type="checkbox"/> yes <input type="checkbox"/> no	
Catch Basin Protection	<input type="checkbox"/> yes <input type="checkbox"/> no	
Interior Site Erosion Controls	<input type="checkbox"/> yes <input type="checkbox"/> no	
Temporary Check Dams	<input type="checkbox"/> yes <input type="checkbox"/> no	
Diversion Channels	<input type="checkbox"/> yes <input type="checkbox"/> no	
Temporary Sediment Basins	<input type="checkbox"/> yes <input type="checkbox"/> no	
Stabilized Construction Entrance	<input type="checkbox"/> yes <input type="checkbox"/> no	
Street Sweeping/ Construction Access	<input type="checkbox"/> yes <input type="checkbox"/> no	
Temp. and Permanent Slope Stabilization	<input type="checkbox"/> yes <input type="checkbox"/> no	
Dewatering Haybale Basins and Filter Bags	<input type="checkbox"/> yes <input type="checkbox"/> no	
Dust Control	<input type="checkbox"/> yes <input type="checkbox"/> no	

N/A – Not applicable

In the event of a spill refer to the MDC Spill Prevention Plan and contact appropriate agencies.

General Comments (Attached figures to show locations of concern):

Are additional Erosion Control Measures Needed?

No Yes If yes, describe:_____

Are sediment/pollution discharges from the site present?

No Yes If yes, describe:_____

Describe any corrective action required at this time: _____

Notes:_____

Attach additional sheets with notes, comments, illustrations and issues as needed. Use site plan to identify locations of work areas or issues noted above.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Stormwater Control Manager:_____ Date: _____
Dean Gustafson

Qualifications: Professional Soil Scientist

**A copy of this report should be placed in the Monitoring Section of the Stormwater Pollution Prevention Plan.

Visual Analysis Report

**West Hartland
95 Balance Rock Road
East Hartland, CT 06027**

CHA Project Number: 18301.1040.1101

Prepared for:

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

Prepared by:



*2139 Silas Deane Highway
Rocky Hill, Connecticut 06067
(860) 257-4557*

December 2009 Rev. 0
September 2010 Rev. 1

TABLE OF CONTENTS

1.0 Introduction.....1

2.0 Site & Study Area Description.....1

3.0 Computer Model Visual Analysis.....1

4.0 Visual Receptor Research2

5.0 Field Visual Analysis.....2

5.1 Tower Move Adjustment.....2

6.0 Conclusion2

7.0 Viewshed Map5

8.0 Photosims.....7

1.0 INTRODUCTION

Clough Harbour & Associates LLP (CHA) conducted a visibility study for the proposed 190'-0" monopole located at 95 Balance Rock Road, East Hartland, CT. The purpose of the study was to determine the visual impact, if any, that a proposed 190'-0" monopole would have on the surrounding community within a two mile radius study area. Two techniques were utilized to determine the visual impact within the study area: a computer model using topography and vegetation as constraints to estimate the visual limits and a field analysis to verify the visual limits determined from the computer model. Research of the study area was also conducted to determine locations of sensitive visual receptors.

2.0 SITE AND STUDY AREA DESCRIPTION

The subject parcel is approximately 12.1 acres. A majority of the parcel is wooded with a hunting club structure in the Southwest corner of the parcel. The proposed facility is located in the woods in the Southwest corner of the parcel approximately 90' Southeast of the existing hunting club structure. The base of the tower will be 1095' AMSL. The wooded area surrounding the proposed facility will act as a visual buffer to the adjacent residential and wooded parcels.

The topography within the study area consists of hills ranging from 180' AMSL to 1150' AMSL. Approximately 6,684 acres, or 83%, of the 8,053 acre study area is covered with vegetation. The rolling hills and heavy vegetation in the study area will help screen the facility in the surrounding study area. Watercourses occupy approximately 520 acres, or 6.5%, of the study area. There are two historical sites, three parks/recreational areas, two schools, and two churches within the study area. There are no designated scenic roads within the study area. There are two trails located within the study area.

3.0 COMPUTER MODEL VISUAL ANALYSIS

A computer model was developed using a proprietary AutoCAD-based application developed by our Technology Solutions Group to estimate how the surrounding topography and vegetation within a 2 mile radius may obstruct the monopole's visibility. The visibility calculations are completed using digital elevation models (DEM), which is a model of the earth's surface represented by a grid of elevations spaced 10 or 30 meters and is based on USGS topography maps. Each point in the DEM is independently tested for visibility based on the surrounding topography developed from the USGS maps. Once all points have been tested, a map is generated showing areas of visibility and areas screened by topography. Knowing which areas are screened by topography will assist in field determining which areas within the study area may have seasonal visibility. Next, vegetation within the study area is added to the map by digitizing it from 2004 aerial photographs. CHA's application utilizes a vegetation outline layer which is assigned the standard 65' height. A new map is generated showing only areas of visibility based on topography and the vegetation constraint. The visible areas on the map based on the surrounding topography and vegetation will be verified during the field visual analysis.

4.0 VISUAL RECEPTOR RESEARCH

Research of the surrounding study area was conducted to determine the locations of sensitive visual receptors such as historic sites, historic districts, schools, churches, cemeteries, parks, playgrounds, recreational areas, beaches, and scenic roads. Historic sites and districts were determined from national and state registers. Surrounding schools, churches, cemeteries, parks, playgrounds, recreational areas, and beaches were determined from street maps and internet searches. Scenic roads were determined from the CTDOT list of designated scenic roads and the local municipality. All of the above sensitive visual receptors were added to the viewshed map.

5.0 FIELD VISUAL ANALYSIS

On December 14, 2009 a field visual analysis was conducted to verify the sensitive visual receptors and the limit of visibility determined from our research and computer model. Weather conditions were favorable on the date of the visibility study as it was a clear and sunny day with winds between 4 and 6 MPH; therefore, visibility of the balloon from surrounding areas was not affected. In general, the field visibility study was conducted as follows: A 60" diameter red balloon was flown at a height of 190'-0" above existing grade. The balloon was flown 50' West of its proposed location since thick brush in the vicinity of the tower prevented access to the tower site. Minor horizontal adjustments were made to the photosims to account for the balloon offset. The ground elevation at both locations was very similar so no vertical adjustments had to be made. Once the balloon was flown, CHA completed a field drive of the surrounding area to determine the visibility of the balloon, and thus the proposed tower. Trails were also walked to confirm visibility. Visibility from the sensitive visual receptors was our primary focus so photos were taken from each of these locations. Photos were also taken from major streets, intersections, and residential areas; from key areas where the balloon was visible; and from key areas where it was not visible. The limits of visibility determined from the computer model were field verified and adjusted as needed. Areas of potential seasonal visibility were field determined and marked on the viewshed map. Finally, the number of residences within the seasonal and year round visible areas was determined.

5.1 TOWER MOVE ADJUSTMENT

In August of 2010, the location of the tower changed which created the need to confirm visibility from the surrounding study radius. The tower was shifted 122' to the Northeast in order to achieve the tower radius from the front property boundary along Balance Rock Road. The change in tower location resulted in a change in ground elevation from 1095' AMSL to 1100' which is an increase of 5'. Due to the minor increase in height and minor change in horizontal position, a second balloon test was not completed to verify changes in visibility. The computer model was run for the new location to check for changes in visibility. Also, the tower location in the visible photosims was adjusted to accommodate the change in horizontal and vertical position. All resulting changes due to the tower move have been incorporated in the data.

6.0 CONCLUSION

The results of our visual study are summarized in the following documents: Section 7.0: Viewshed Map, and Section 8.0: Photosims. In conclusion, the year round visual impact to the surrounding community within a two mile radius is limited to the red hatched areas on the viewshed map, which is approximately 0.02%, or 1.9 Acres, of the total study area. The limit of year round visibility includes the area surrounding the following public streets: a 420' stretch along Route 20. These areas contain residential properties and may impact the following number of residences: 2 residences, #88 and #72 on Balance Rock Road. These two residences

were determined to have seasonal views from the road in front of the homes, but they have the potential to have year round views based on computer modeling. The proposed monopole will not be seen year round from any of the sensitive visual receptors listed on the viewshed map.

Immediately outside some of the limits of year round visibility, trees start to screen the proposed monopole giving the potential for seasonal views. The blue hatched areas on the viewshed map indicate the approximate seasonal visual impact estimated during leaf off conditions, which is approximately 0.20%, or 15.6 acres, of the total study area. The limit of seasonal visibility includes the area surrounding the following public streets: a 2,030', 1,800', and a 680' stretch along Route 20, and a 1,200' stretch along Balance Rock Road. Some of these areas contain residential properties and will impact the following number of residences: three residences, #88, #72, and #64 on Balance Rock Road. These three residences were determined to have seasonal views based on views from the street in front of the homes, but #88 and #72 have the potential for year round views based on computer modeling so they are mentioned in both categories. The proposed monopole will be seen seasonally from a small section of the Tunxis Forest Trail where it crosses the road leading back to the ski cabin.

The remainder of the two mile radius study area is screened by topography (5,001 acres, 62.1%) & vegetation (3,034.5 Acres, 37.68%). Photos documenting the visible conditions described above have been included in the photo-simulations with their locations marked on the viewshed map. Following is a summary of each view with a description of the tower visibility:

View Number	Location	Distance from Tower	Visibility	Amount of Tower Visible (Ft/%)	Nearby Residences with Views By Addresses	Nearby Visual Receptors with Views
1	Balance Rock Road	310'	Seasonal	190' / 100%	88 and 72	None
2	Bethany Church	4470'	Nonvisible	None	None	None
3	South Road Elementary School	6100'	Nonvisible	None	None	None
4	First Church in Hartland	6200'	Nonvisible	None	None	None
5	Hartland Recreational Area / Berg Field	7900'	Nonvisible	None	None	None
6	Pell Road	6900'	Nonvisible	None	None	None
7	Route 20	2200'	Nonvisible	None	None	None
8	Falls Brook Trail Viewpoint	8800'	Nonvisible	None	None	None
9	Balance Rock Road	740'	Seasonal	30' / 16%	64	None
10	Ring Mountain Club	370'	Year Round	60' / 32%	None	None
11	Route 20	7700'	Seasonal	50' / 26%	None	None
12	Route 20	7600'	Year Round	50' / 26%	None	None
13	Route 20	7800'	Seasonal	50' / 26%	None	None
14	Route 20	8600'	Seasonal	50' / 26%	None	None
15	Route 20	8800'	Seasonal	50' / 26%	None	None
16	Tunxis Forest Cabin	2100'	Nonvisible	None	None	None
17	Road to Ski Cabin	910'	Seasonal	60' / 32%	None	None
18	Tunxis Forest Trail	2300'	Nonvisible	None	None	None
19	Tunxis Forest Trail	2400'	Nonvisible	None	None	None
20	Tunxis Forest Trail	2800'	Nonvisible	None	None	None
21	Tunxis Forest Trail	1300'	Nonvisible	None	None	None
22	Tunxis Forest Trail	900'	Seasonal	90' / 47%	None	Tunxis Forest Trail

7.0 VIEWSHED MAP

NOTES:

1. Only visible areas are shown on the map utilizing the process described in note 2. The remainder of the map has been estimated to be non-visible utilizing the process described in note 3.
2. Seasonal and year round areas of visibility were estimated from a field visual analysis within public R.O.W. and public properties. Areas shown on private property were interpolated from the field visual analysis.
3. Non-visible areas were estimated from a computer generated topography & vegetation analysis and field verification of vegetation & building screening within public R.O.W. and public properties. Vegetation limits were determined from 2004 aerial photos and is assumed to be 65' high. Verification of vegetation height, coverage, and type within private areas not visible from public R.O.W. or public properties was not field verified.
4. Historical areas were determined from national and state historical registers.
5. Parks, schools, cemeteries, and churches were determined from street maps and field observations.
6. Scenic roads, if any, were determined from the CTDOT list of designated scenic roads and field observations.

Legend

APPROXIMATE LOCATION OF PROPOSED MONOPOLE

APPROXIMATE LIMIT OF SEASONAL TOWER VISIBILITY

APPROXIMATE LIMIT OF YEAR ROUND TOWER VISIBILITY

COMPUTER SIMULATION PHOTOGRAPH LOCATION

CHURCH/CEMETERY

HISTORICAL SITE

PARK

SCHOOL

SCENIC ROAD

TRAIL

SCENIC VIEW

Visibility by Acreage

ITEM	APPROXIMATE ACRES	% OF TOTAL AREA
2 MILE RADIUS AREA	8,053	100%
NOT VISIBLE DUE TO TOPOGRAPHY	5,001.0	62.1%
NOT VISIBLE DUE TO VEGETATION	3,034.5	37.68%
VISIBLE YEAR ROUND	1.9	0.02%
POTENTIAL SEASONAL VISIBILITY	15.6	0.20%

Distances from Photo Locations to Tower

PHOTO	DIST. (FT)	PHOTO	DIST. (FT)	PHOTO	DIST. (FT)
01	310	10	370	19	2,400
02	4,470	11	7,700	20	2,800
03	6,100	12	7,600	21	1,300
04	6,200	13	7,800	22	900
05	7,900	14	8,600		
06	6,900	15	8,800		
07	2,200	16	2,100		
08	8,800	17	910		
09	740	18	2,300		

2 MILE VIEWSHED ANALYSIS MAP

WEST HARTLAND VISUAL IMPACT ASSESSMENT

PREPARED FOR:

PREPARED BY:

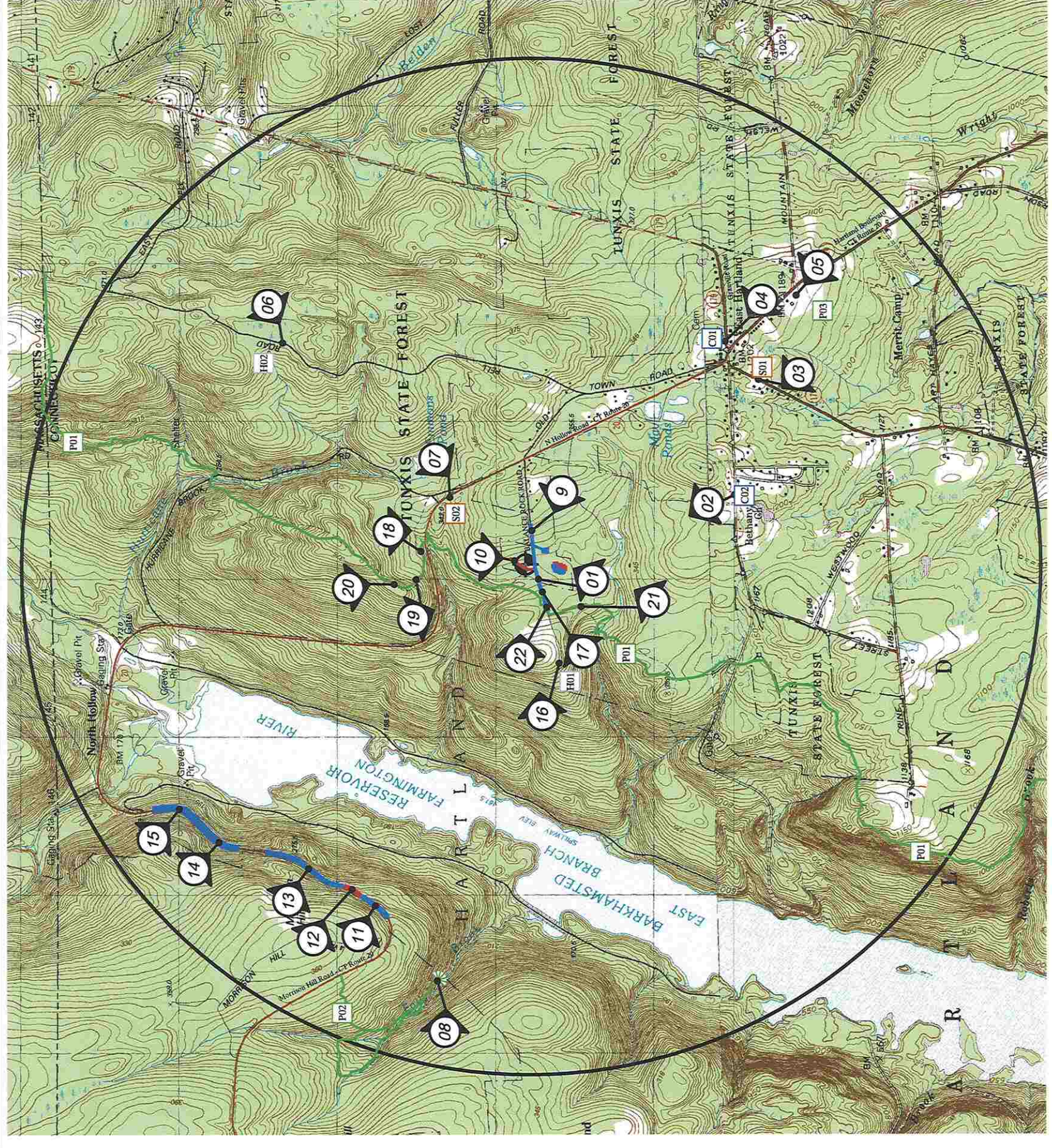
2135 Silas Deane Highway, Suite 212, Rocky Hill, CT 06067-2338
 Mgr: (860) 291-4527 - www.dtsconpare.com

CHA Project No. 18011-1041-101

SEPTEMBER 2010

0 625' 1250' 2500' 5000'

FIGURE VS-1



Visibility by Residence

STREET	YEAR ROUND TOTAL ADDRESSES	YEAR ROUND ADDRESSES	SEASONAL TOTAL ADDRESSES	SEASONAL ADDRESSES
BALANCE ROCK ROAD	0	0	3	88', 72', 64'

*HOUSE NUMBERS 88 AND 72 WHERE SEASONALLY VISIBLE FROM STREET IN FRONT OF HOMES. BASED ON COMPUTER MODELING, THERE IS THE POTENTIAL THAT THEY HAVE YEAR ROUND VIEWS BUT THIS COULD NOT BE FIELD VERIFIED.

Historic Sites:

H01 Tunxis Forest SH Cabin

H02 Tunxis Forest Headquarters House

Parks:

P01 Tunxis Forest Trail

P02 Falls Brook Trail

P03 Hardland Recreation Area

Schools:

S01 Hardland Elementary School

S02 State of Connecticut Wilderness School

Church/Cemetery:

C01 First Church in Hartland

C02 Bethany Lutheran Brethren Church

Scenic Roads:

1. No roads within the 2 mile viewshed on the CTDOT list of scenic roads.

2. No scenic road sign designations were observed during the field visual analysis.

8.0 PHOTOSIMS



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



SITE: WEST HARTLAND

DATE: SEPT 2010

VIEW 1 - EXISTING VIEW FROM
BALANCE ROCK ROAD DEAD END
LOOKING NORTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST
HARTLAND

VIEW 1 - PROPOSED VIEW FROM
BALANCE ROCK ROAD DEAD END
LOOKING NORTHEAST TOWARDS SITE
(SEASONAL VISIBILITY)



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 2 - NON-VISIBLE VIEW FROM BETHANY CHURCH LOOKING NORTHWEST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



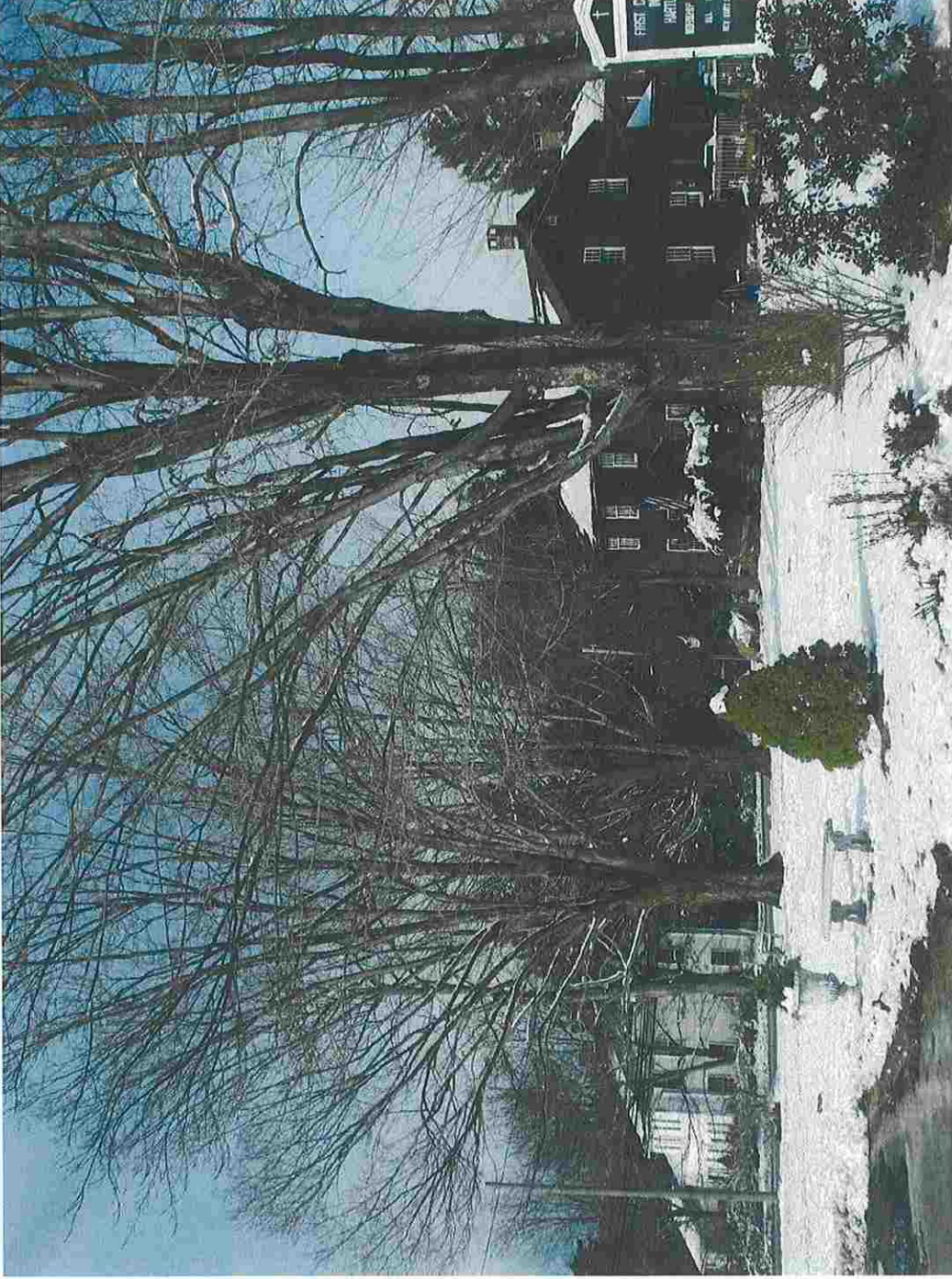
DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 3 - NON-VISIBLE VIEW FROM SOUTH ROAD ELEMENTARY SCHOOL LOOKING NORTHWEST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 4 - NON-VISIBLE VIEW FROM FIRST CHURCH IN HARTLAND LOOKING NORTHWEST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 5 - NON-VISIBLE VIEW FROM HARTLAND RECREATIONAL AREA-BERG FIELD LOOKING NORTHWEST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



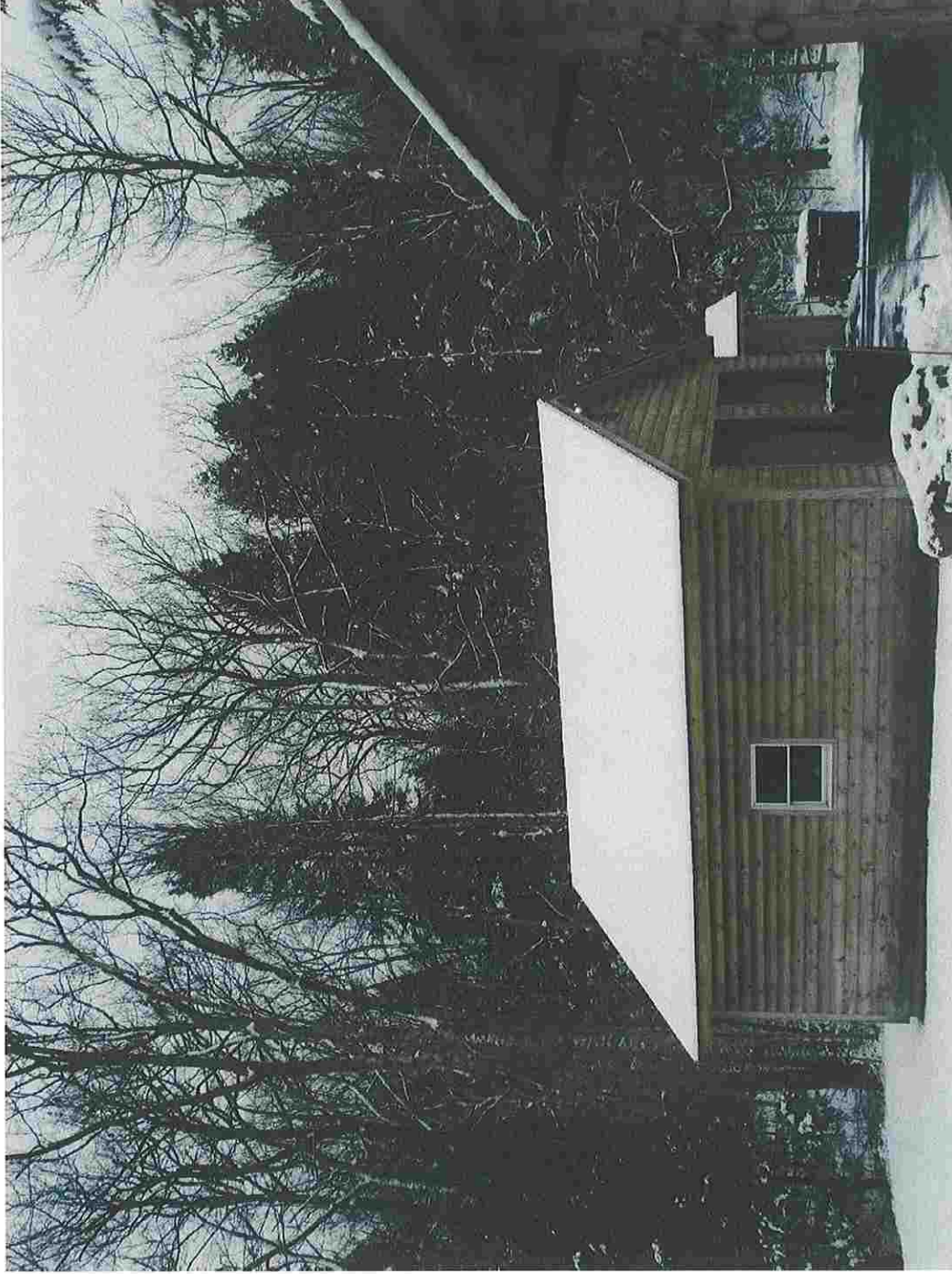
DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 6 - NON-VISIBLE VIEW FROM PELL ROAD LOOKING SOUTHWEST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 7 - NON-VISIBLE VIEW FROM ROUTE 20 NEAR WILDERNESS SCHOOL LOOKING SOUTHWEST TOWARDS SITE



cingular
WIRELESS

NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST
HARTLAND

VIEW 8 - NON-VISIBLE VIEW FROM
FALLS BROOK TRAIL SCENIC
VIEWPOINT LOOKING SOUTHEAST
TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 9 - EXISTING VIEW FROM
BALANCE ROCK ROAD NEAR RESIDENCE
LOOKING NORTHWEST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 9 - PROPOSED VIEW FROM
BALANCE ROCK ROAD NEAR RESIDENCE
LOOKING NORTHWEST TOWARDS SITE
(SEASONAL VISIBILITY)



cingular
WIRELESS

NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 10 - EXISTING VIEW FROM RING MOUNTAIN CLUB SHOOTING RANGE LOOKING SOUTH TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



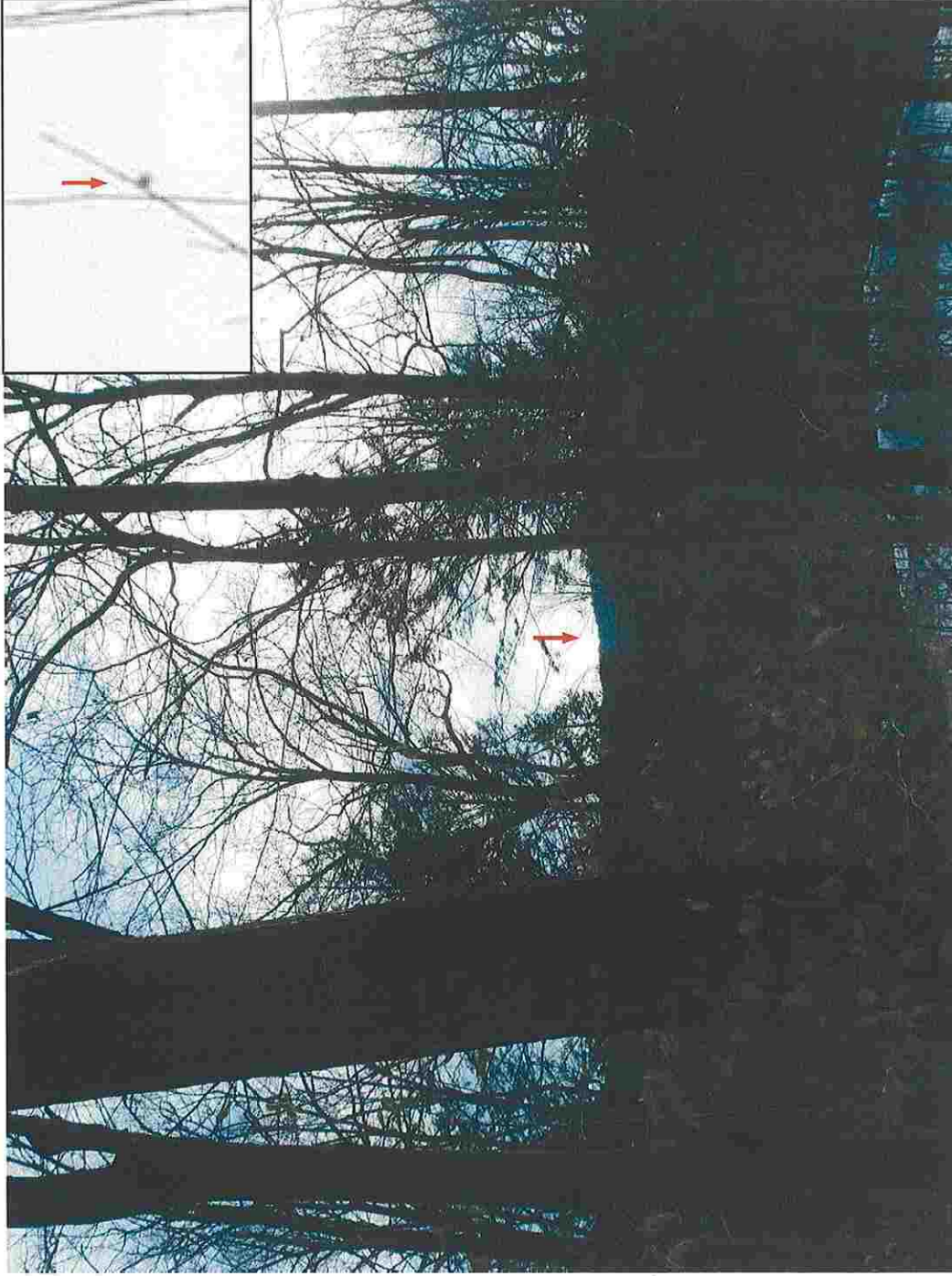
DATE: SEPT 2010

SITE: WEST HARTLAND

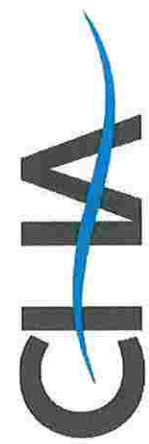
VIEW 10 - PROPOSED VIEW FROM RING MOUNTAIN CLUB SHOOTING RANGE
LOOKING SOUTH TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 11 - EXISTING VIEW FROM ROUTE 20 LOOKING SOUTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



**SITE: WEST
HARTLAND**

DATE: SEPT 2010

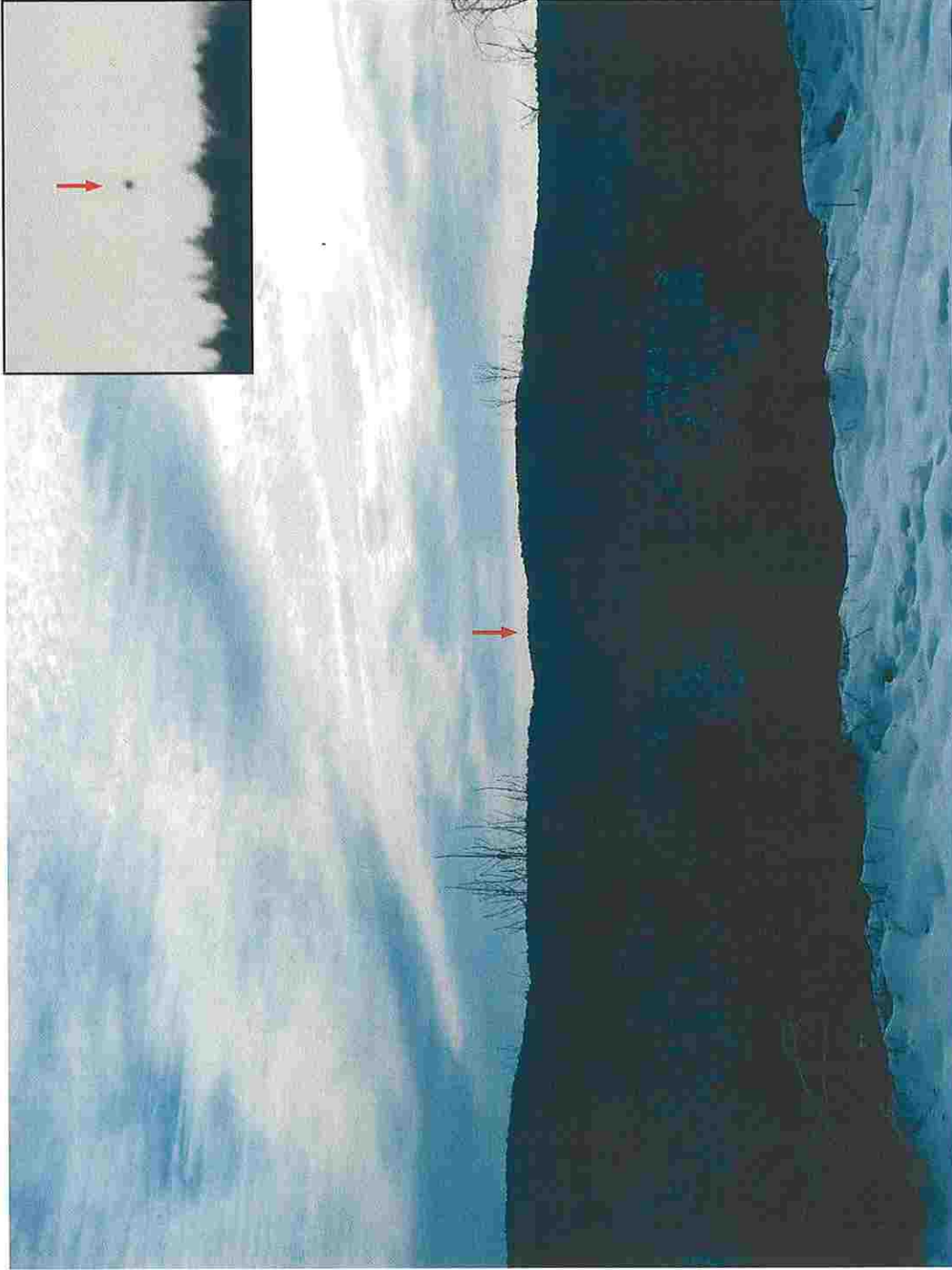
**VIEW 11 - PROPOSED VIEW FROM
ROUTE 20 LOOKING SOUTHEAST
TOWARDS SITE
(SEASONAL VISIBILITY)**



cingular
WIRELESS

Your world. Delivered.

**NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067**



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 12 - EXISTING VIEW FROM ROUTE 20 LOOKING SOUTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 12 - PROPOSED VIEW FROM ROUTE 20 LOOKING SOUTHEAST TOWARDS SITE



cingular WIRELESS

Your world. Delivered.

NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 13 - EXISTING VIEW FROM ROUTE 20 LOOKING SOUTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST
HARTLAND

VIEW 13 - PROPOSED VIEW FROM
ROUTE 20 LOOKING SOUTHEAST
TOWARDS SITE
(SEASONAL VISIBILITY)



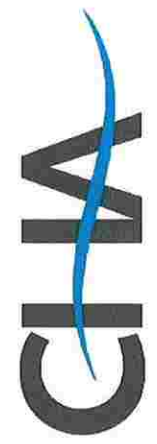
cingular
WIRELESS

at&t
Your world. Delivered.

NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 14 - EXISTING VIEW FROM ROUTE 20 LOOKING SOUTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 14 - PROPOSED VIEW FROM ROUTE 20 LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

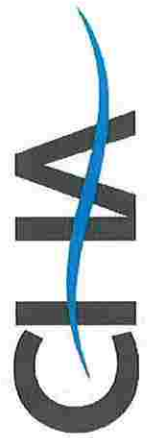
VIEW 15 - EXISTING VIEW FROM ROUTE 20 LOOKING SOUTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 15 - PROPOSED VIEW FROM ROUTE 20 LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



**SITE: WEST
HARTLAND**

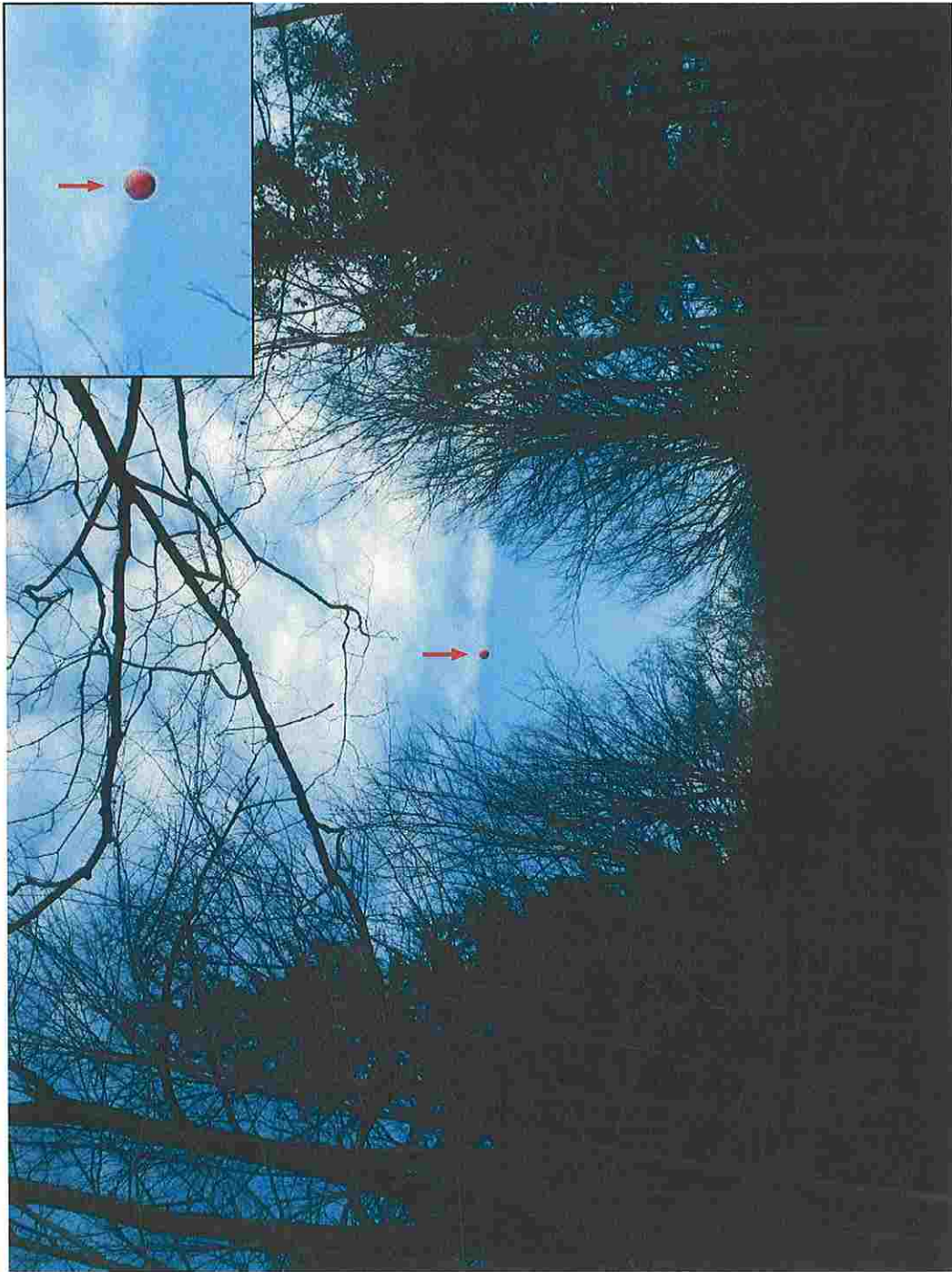
DATE: SEPT 2010

**VIEW 16 - NON-VISIBLE VIEW FROM
TUNXIS FOREST SKI CABIN LOOKING
NORTHEAST TOWARDS SITE**



cingular
WIRELESS

**NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067**



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



**SITE: WEST
HARTLAND**

DATE: SEPT 2010

**VIEW 17 - EXISTING VIEW FROM ROAD
TO SKI CABIN LOOKING NORTHEAST
TOWARDS SITE**



cingular
WIRELESS

**NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067**



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



SITE: WEST
HARTLAND

DATE: SEPT 2010

VIEW 17 - PROPOSED VIEW FROM ROAD
TO SKI CABIN LOOKING NORTHEAST
TOWARDS SITE
(SEASONAL VISIBILITY)



cingular
WIRELESS

NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 18 - NON-VISIBLE VIEW FROM TUNXIS FOREST TRAIL LOOKING SOUTH TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST
HARTLAND

VIEW 19 - NON-VISIBLE VIEW FROM
TUNXIS FOREST TRAIL LOOKING
SOUTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



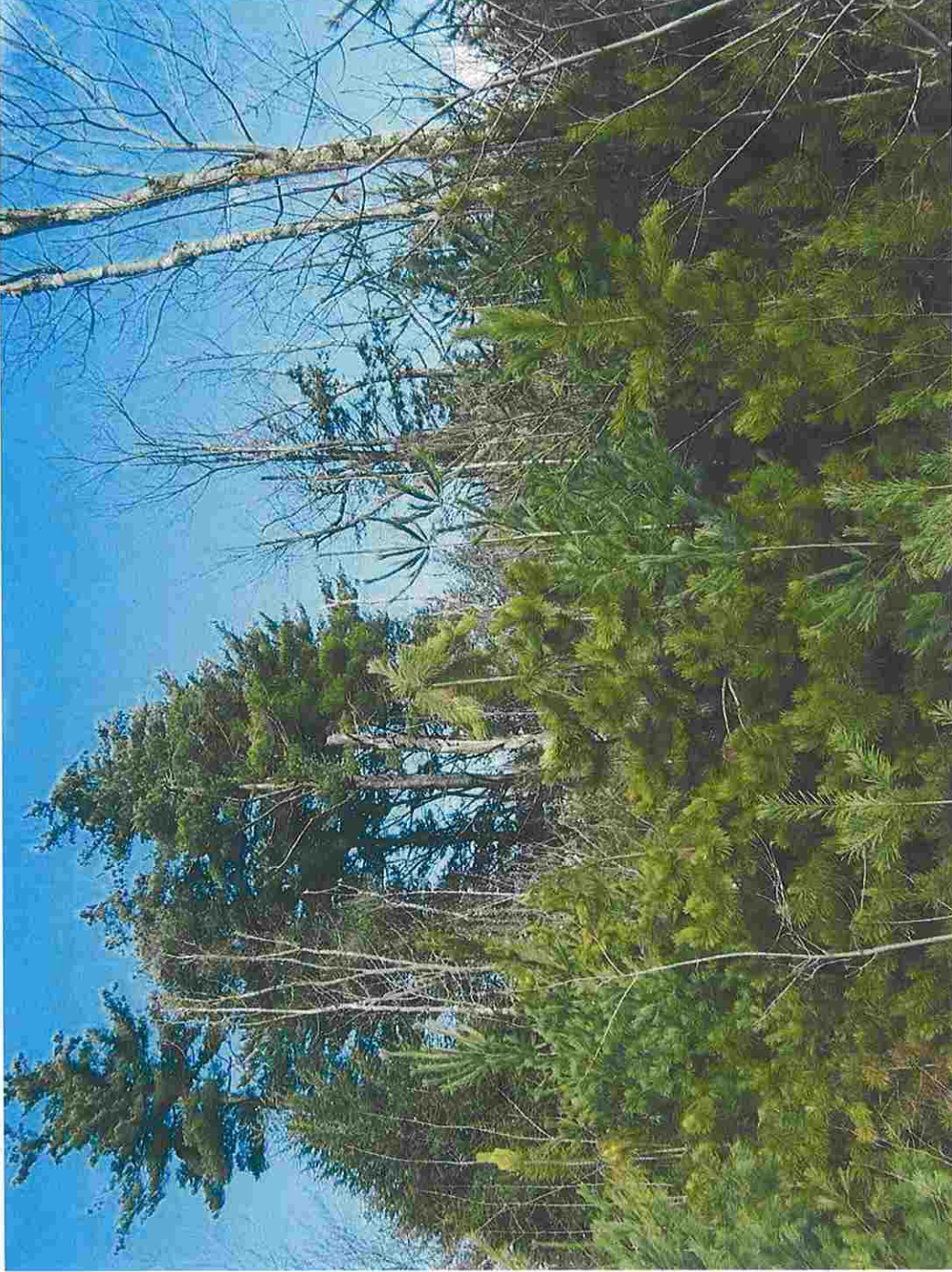
DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 20 - NON-VISIBLE VIEW FROM
TUNXIS FOREST TRAIL LOOKING
SOUTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



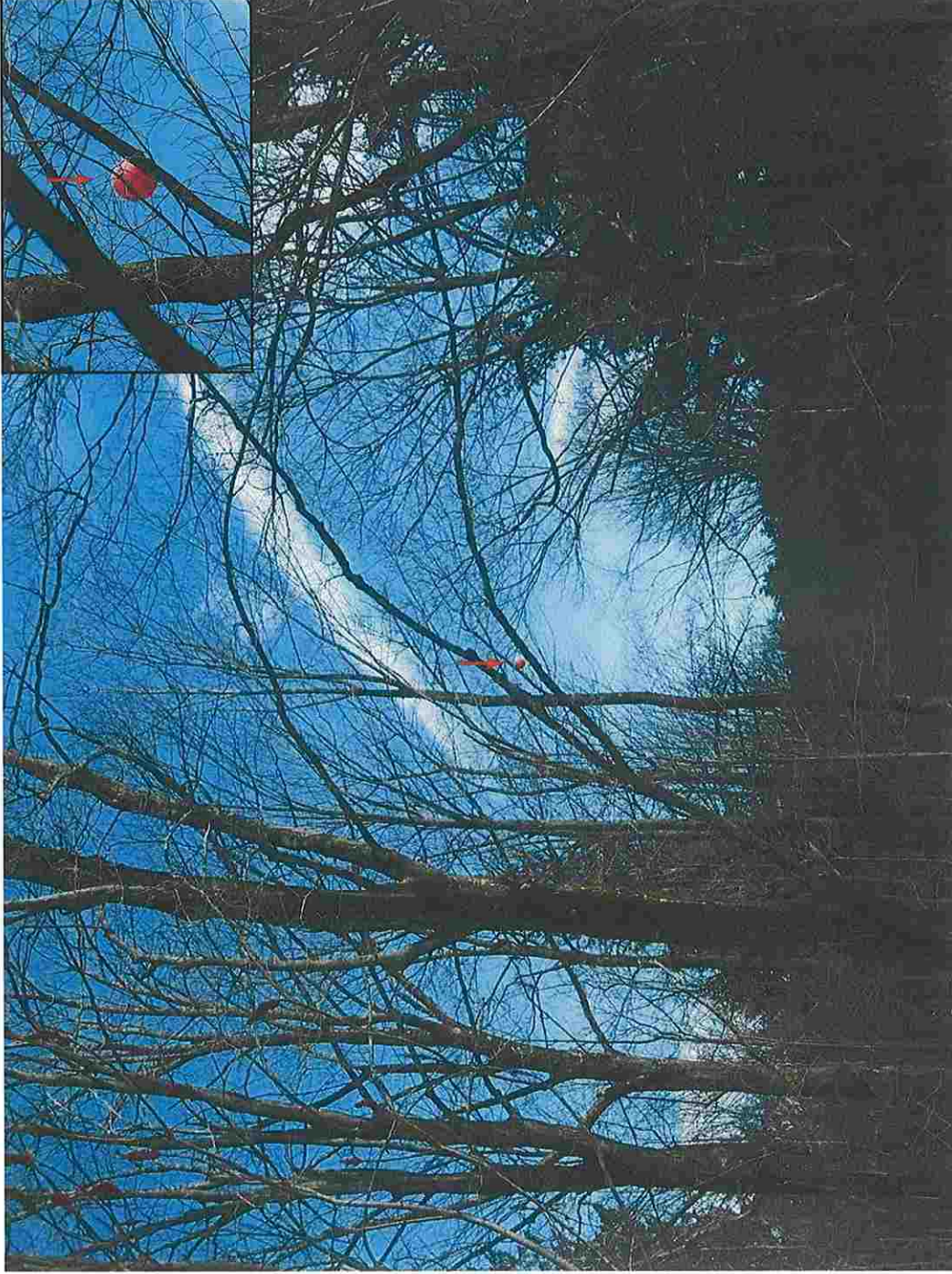
DATE: SEPT 2010

SITE: WEST HARTLAND

VIEW 21 - NON-VISIBLE VIEW FROM
TUNXIS FOREST TRAIL LOOKING
NORTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



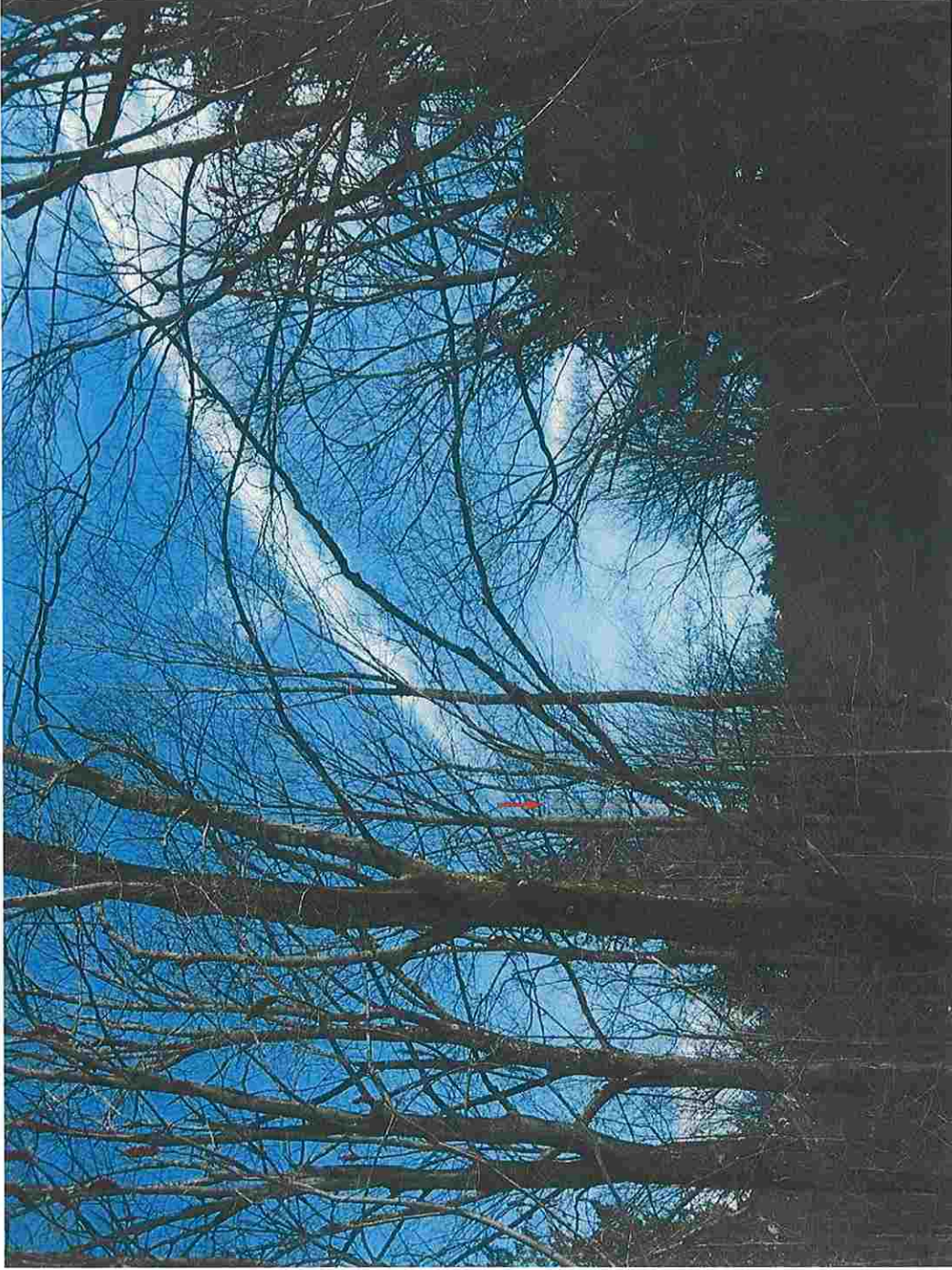
DATE: SEPT 2010

SITE: WEST
HARTLAND

VIEW 22 - EXISTING VIEW FROM
TUNXIS FOREST TRAIL LOOKING
NORTHEAST TOWARDS SITE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



Photosim for conceptual purposes only - actual antenna and equipment locations to be determined based on final engineering design



DATE: SEPT 2010

SITE: WEST
HARTLAND

cingular
WIRELESS



at&t
Your world. Delivered.

NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

VIEW 22 - PROPOSED VIEW FROM
TUNXIS FOREST TRAIL LOOKING
NORTHEAST TOWARDS SITE
(SEASONAL VISIBILITY)

THE
OTTERY GROUP
ARCHEOLOGY, HISTORIC PRESERVATION,
AND THE ENVIRONMENTAL SCIENCES
WWW.OTTERYGROUP.COM

MEMORANDUM

To: David Vivian
From: Meaghan Fahey
Date: September 16, 2010

Re: SR 2587 – West Hartland – Revised Site Location

The Ottery Group has reviewed the data on the West Hartland site location, including the rare/threatened/endangered species survey, the archeological assessment, and the SHPO consultation that were conducted for the initially-proposed site location. Based on this data and the revised location of the footprint (42-00-38.1N, 72-55-17.3W), The Ottery Group has determined that moving the site does not change our professional opinions with regards to the potential impact of the planned action or lead us to advise AT&T to reopen consultation with the various agencies. The initial assessment covered the entire lease area, and therefore accommodated minor alterations to the site layout. A review of the data indicates that the planned shifting of the footprint does not alter the conclusions that the construction of the telecommunications facility will not result in significant impacts to criteria cited in the FCC's NEPA regulations contained at 47 CFR 1.1307.

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) NE -New UA -Update of Application WD -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	
3) FCC Registration Number (FRN): N/A	
4) Name: AT&T Mobility	

Contact Name			
5) First Name: Judy	6) MI: A.	7) Last Name: Owens	8) Suffix:
9) Title: Senior Analyst			

Contact Information			
10) P.O. Box:	And/ Or	11) Street Address: 500 Enterprise Drive, 3rd Floor	
12) City: Rocky Hill	13) State: CT	14) Zip Code: 06067	
15) Telephone Number: (860) 513-7788	16) Fax Number: (860) 513-7190		
17) Email Address: <u>JO9485@att.com</u>			

Consultant Information	
18) FCC Registration Number (FRN): N/A	
19) Name: The Ottery Group, Inc.	

Principal Investigator			
20) First Name: Stacy	21) MI: P.	22) Last Name: Montgomery	23) Suffix:
24) Title: Architectural Historian			

Principal Investigator Contact Information		
25) Street Address: 3420 Morningwood Drive		
26) City: Olney	27) State: Maryland	28) Zip Code: 20832
29) Telephone Number: (301) 562-1975	30) Fax Number: (301) 562-1976	
31) Email Address: stacy.patterson@otterygroup.com		

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

NT Submission Packet - FCC Form 620

Project Name: West Hartland

<p>33) Areas of Professional Qualification:</p> <ul style="list-style-type: none"> • <input type="checkbox"/> Archaeologist • <input checked="" type="checkbox"/> Architectural Historian • <input type="checkbox"/> Historian • <input type="checkbox"/> Architect • <input type="checkbox"/> Other (Specify) _____

Additional Staff

34) 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:

35) First Name: Christopher	36) MI: I.	37) Last Name: Sperling	38) Suffix:
39) Title: Archeologist/Historian			
<p>40) Areas of Professional Qualification:</p> <ul style="list-style-type: none"> • <input checked="" type="checkbox"/> Archaeologist • <input type="checkbox"/> Architectural Historian • <input checked="" type="checkbox"/> Historian • <input type="checkbox"/> Architect • <input type="checkbox"/> Other (Specify) _____ 			

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: West Hartland

Site Information		
1) Site Name: West Hartland		
2) Site Address: 95 Balance Rock Road		
3) City: East Hartland	4) State: Connecticut	5) Zip Code: 06027
6) County/Borough/Parish: Hartford County		
7) Nearest Crossroads: North Hollow Road		
8) NAD 83 Latitude/Longitude coordinates: N 42° 00' 37.02"; W 72° 55' 18.24"		

Tower Information

9) Tower Height above ground level (include top-mounted attachments such as lightning rods): 190 feet, 57.91 meters
10) Tower Type: Guyed lattice tower/Self-supporting lattice/Monopole/Other(Describe): monopole

Project Status

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

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

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

Maps Attachment

Site Description

The undertaking involves the construction of a telecommunications facility. The proposed facility will consist of a 190-foot monopole and associated equipment contained within a 75 x 75-foot fenced compound. A 12-foot wide gravel access road leads to the facility from the existing driveway off Balance Rock Road. Utility connections will be brought in overhead from an existing pole on the property. No other construction-related activities are anticipated.

The subject property is located on the north side of Balance Rock Road, west of North Hallow Road. The subject property contains one modern structure. The project area is located adjacent to the Tunxis State Forest. The area surrounding the subject property is low density, wooded and residential. Topographically, the area surrounding the subject property is mountainous.



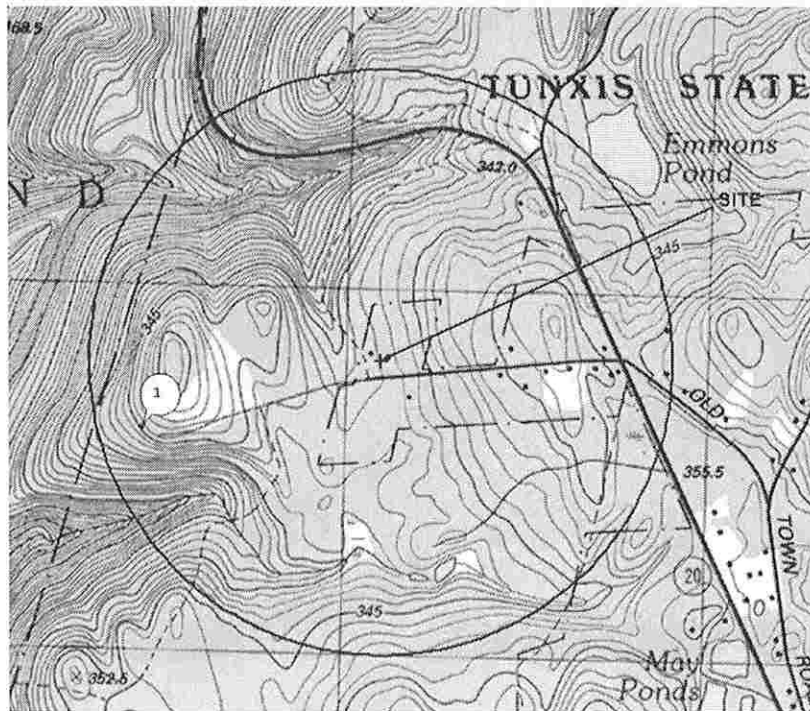
Aerial Photograph of the Project Area

Maps Attachment



Aerial Photograph

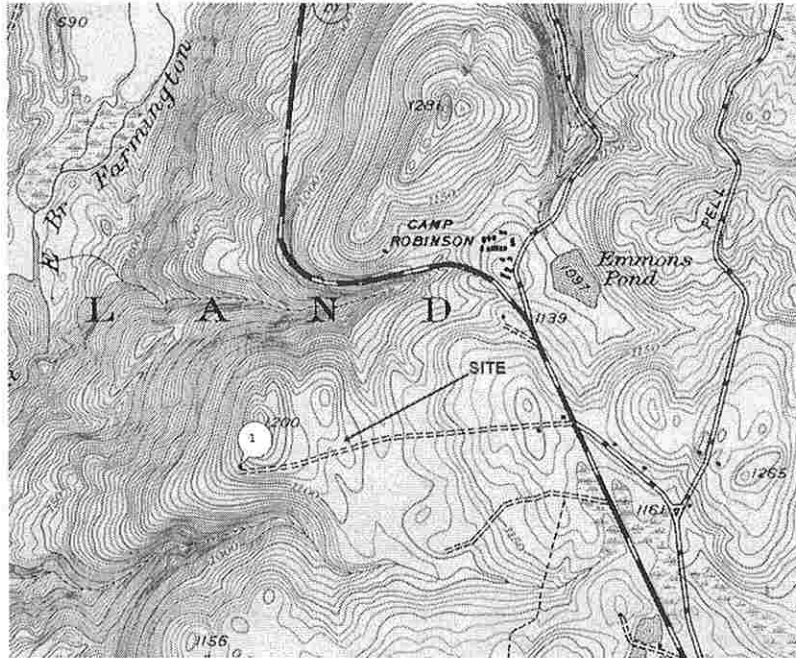
Depicting the Location of the Planned Undertaking, Identified Resources, and the 0.5-mile APE



Southwick 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



West Granville Quad, CT, 1946 Historic USGS 7.5 Minute Topographic Map
Depicting the Location of the Planned Undertaking

Key-

- 1- Tunxis Forest Ski Cabin (NR#86001761)

Photo Attachment

Photo 1:

View of ground cover at the proposed site location.



Photo 2:

View facing north from the subject site, toward a wooded area.



Photo 3:

View facing south from the subject site, toward a wooded area.



Photo Attachment

Photo 4:

View facing east from the subject site, toward a wooded area.



Photo 5:

View facing west from the subject site, toward a wooded area.



Photo 6:

View of the general setting of the proposed facility, in a wooded area.



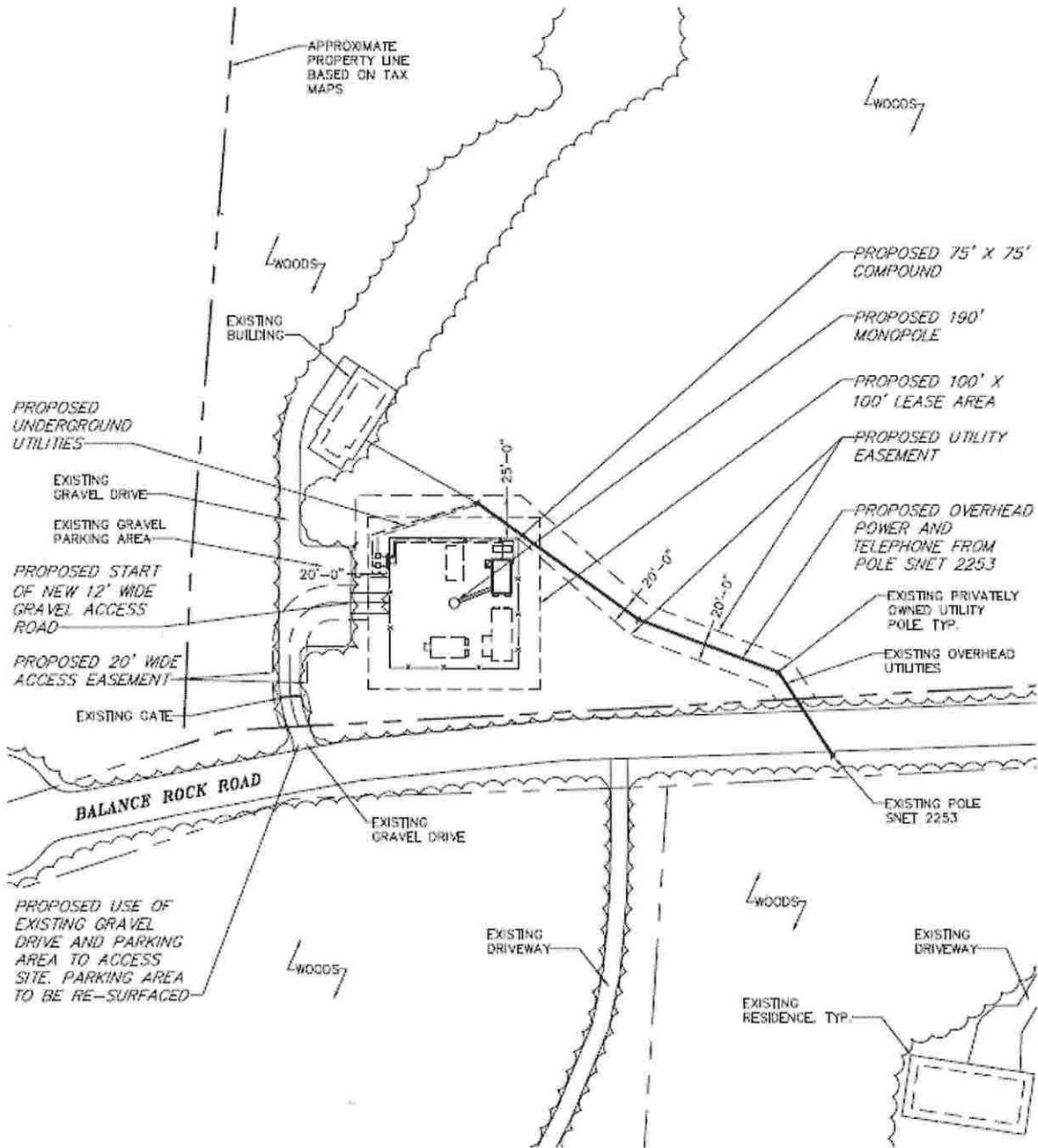
Photo Attachment

Photo 7:

View of the modern structure
on the subject property.

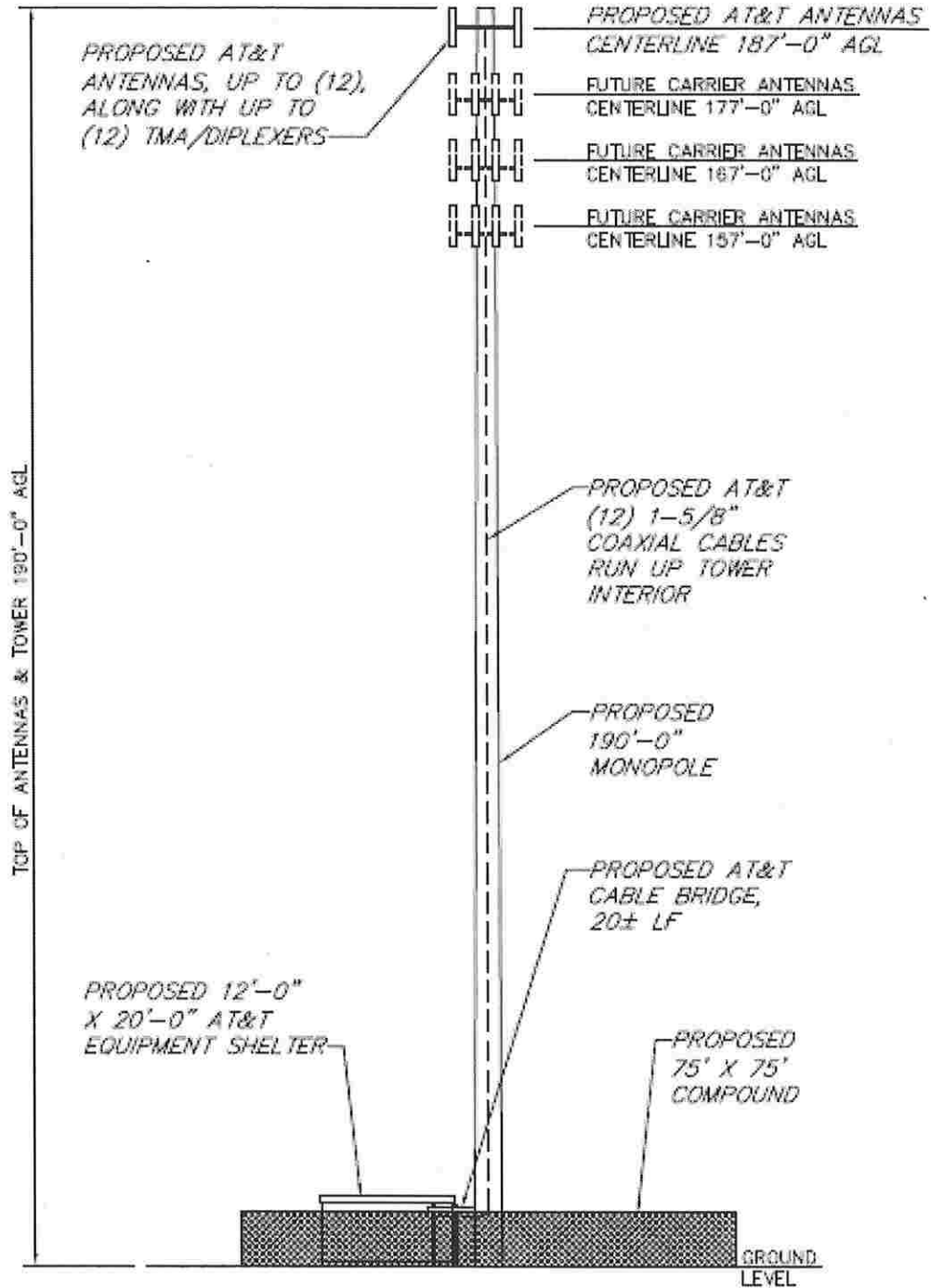


Lease Exhibit



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 190 feet above ground surface.

NT Submission Packet - FCC Form 620
Project Name: West Hartland

Tribal/NHO Involvement	
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: 58070	Date of TCNS Notification: 11/16/2009
3) Name of Tribes/NHOs contacted through TCNS Notification Number: Mashantucket Pequot Tribe, Narragansett Indian Tribe	Number of Tribes/NHOs: 2
4) Name of Tribes/NHOs contacted through an alternate system: Mohegan Tribal Council	Number of Tribes/NHOs: 1

Tribe/NHO Contacted Through TCNS 1

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

Contact Name

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

Dates and Response

8) Date Contacted 11/16/2009	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"> • (X) No Reply • () Replied/No Interest • () Replied/Have Interest • () Replied/Other _____ 	

Tribe/NHO Contacted Through TCNS 2

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

Contact Name

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

Dates and Response

8) Date Contacted 11/16/2009	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"> • (X) No Reply • () Replied/No Interest • () Replied/Have Interest • () Replied/Other _____ 	

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

NT Submission Packet - FCC Form 620
Project Name: West Hartland

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:			
<ul style="list-style-type: none"> • <input type="checkbox"/> E-mail • <input checked="" type="checkbox"/> Letter • <input type="checkbox"/> Both 			

Date and Response

17) Date Contacted 1/07/10	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"> • <input checked="" type="checkbox"/> No Reply • <input type="checkbox"/> Replied/No Interest • <input type="checkbox"/> Replied/Have Interest • <input type="checkbox"/> Replied/Other _____ 	

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



January 7, 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 "West Hartland Telecommunications Facility" – 95 Balance Rock Road, East Hartland, CT 06027

Mr. Bozsum:

Prior to the construction of a telecommunications facility by AT&T Mobility at 95 Balance Rock Road, in East Hartland, 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 190-foot monopole and associated equipment all contained within a 75x75-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). 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



THE OTTERY GROUP

March 9, 2010

Sequahna Mars
Cell Tower Coordinator
Narragansett Indian Tribal Historic Preservation Office
P.O. Box 350
Wyoming, RI 02898

Re: Information Requested Through TCNS

Dear Ms. Mars:

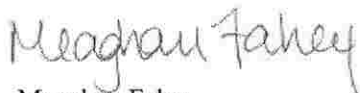
On behalf of AT&T Mobility, The Ottery Group is providing additional documentation for proposed telecommunications sites that you have requested additional information for through the FCC's Tower Construction Notification System (TCNS). The proposed sites are listed below:

<u>SITE NAME</u>	<u>LOCATION</u>	<u>TCNS ID</u>
West Hartland	East Hartland, CT	58070
Cornwall	Cornwall, CT	58459

The attached Archeological Assessments provide 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) to assist in preparing your TCNS responses. The required fee for each site is attached to the individual Archeological Assessments

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). 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>]
Sent: Thursday, November 19, 2009 5:50 PM
To: ATTMobility NEPA
Cc: tcns.fccarchive@fcc.gov; sequahna@yahoo.com
Subject: Reply to Proposed Tower Structure (Notification ID: 58070) -
Email ID #2357308

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 Cell Tower Coordinator Sequahna Mars of the Narragansett Indian Tribe in reference to Notification ID #58070:

On behalf of the Narragansett Indian Tribe, the Narragansett Indian Tribal Historic Preservation Office is hereby formally initiating consultation and review of cell tower site designated by TCNS #58070, located in East Hartland, CT. Follow-up on behalf of the cell tower carrier should be initiated by contacting Sequahna Mars, at sequahna@yahoo.com. Thank you.

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

Notification Received: 11/16/2009
Notification ID: 58070
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

Structure Type: POLE - Any type of Pole
Latitude: 42 deg 0 min 37.0 sec N
Longitude: 72 deg 55 min 17.8 sec W
Location Description: 95 Balance Rock Road
City: East Hartland
State: CONNECTICUT
County: HARTFORD
Ground Elevation: 334.7 meters
Support Structure: 57.9 meters above ground level
Overall Structure: 57.9 meters above ground level
Overall Height AMSL: 392.6 meters above mean sea level

NT Submission Packet - FCC Form 620
Project Name: West Hartland

Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN): **N/A**

2) Name: **Town of Hartland**

Contact Name

3) First Name: **Wade**

4) MI: **E.**

5) Last Name: **Cole**

6) Suffix:

7) Title: **Town Selectman**

Contact Information

8) P.O. Box:

And/Or

9) Street Address: **22 South Road**

10) City: **East Hartland**

11) State: **CT**

12) Zip Code: **06027**

13) Telephone Number:

14) Fax Number:

15) Email Address:

16) Preferred means of communication:

- E-mail
- Letter
- Both

Date and Response

17) Date Contacted **1/07/10**

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.



January 7, 2010

Wade E. Cole, Town Selectman
Town of Hartland
22 South Road
East Hartland, CT 06027

Re: Invitation to participate as a consulting party to the Section 106 review of the proposed AT&T Mobility "West Hartland Telecommunications Facility" – 95 Balance Rock Road, East Hartland, CT 06027

Mr. Cole:

Prior to the construction of a telecommunications facility by AT&T Mobility at 95 Balance Rock Road, in East Hartland, 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 190-foot monopole and associated equipment all contained within a 75x75-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). 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

NT Submission Packet - FCC Form 620
Project Name: West Hartland

Other Consulting Parties

Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	(X) Yes () No
--	----------------

Consulting Party

2) FCC Registration Number (FRN): N/A
3) Name: Hartland Historical Society

Contact Name

4) First Name: Maureen	5) MI:	6) Last Name: Watson	7) Suffix:
8) Title: President			

Contact Information

9) P.O. Box: 221	And /Or	10) Street Address:
11) City: East Hartland	12) State: CT	13) Zip Code: 06027
14) Telephone Number:	15) Fax Number:	
16) Email Address:		
17) Preferred means of communication:		
<ul style="list-style-type: none"> • () E-mail • (X) Letter • () Both 		

Date and Response

18) Date Contacted 1/07/10	Date Replied(if applicable) ___/___/___
<ul style="list-style-type: none"> • () No Reply • () Replied/No Interest • () Replied/Have Interest • () Replied/Other _____ 	

Additional Information

19) 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.



January 7, 2010

Maureen Watson, President
Hartland Historical Society
P.O. Box 221
East Hartland, CT 06027

Re: Invitation to participate as a consulting party to the Section 106 review of the proposed AT&T Mobility "West Hartland Telecommunications Facility" – 95 Balance Rock Road, East Hartland, CT 06027

Ms. Watson:

Prior to the construction of a telecommunications facility by AT&T Mobility at 95 Balance Rock Road, in East Hartland, 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 190-foot monopole and associated equipment all contained within a 75x75-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). 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



Public Notice Attachment

The Following public notice was placed in the *Litchfield County Times* on November 3, 2009. To date, no responses have been received.

Public Notice

AT&T Mobility intends to construct a telecommunications facility at 61 Hollenbeck Road in Cornwall, 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 November 30, 2009.

NT Submission Packet - FCC Form 620
Project Name: West Hartland

Historic Properties

Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Historic Properties Summary

Historic Property #	Property	NR Status	Effects Determination
1	Tunxis Forest Ski Cabin (NR#86001761)	Listed	No Effect

Please refer to the Historic Property Attachment and Visual Assessment (attached) 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 is one structure on the property that is 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	Tunxis Forest Ski Cabin (NR#86001761)	West End of Balance Rock Road, East Hartland, CT	Listed	0.41 miles

There is one resource within the APE for Visual Effects that is listed on the National Register of Historic Places. The **Tunxis Forest Ski Cabin (NR#86001761)** is a rustic ski cabin constructed by the Civilian Conservation Corps in 1937. The Tunxis Forest Ski Cabin is listed on the National Register under Criteria A and C. As demonstrated in the Visual Analysis attached to this report, the rolling topography and intervening tree cover will shield the facility from being visible from the Tunxis Forest Ski Cabin. As a result, there will be no effect to the Tunxis Forest Ski Cabin.

A portion of the Tunxis State Forest is also located within the APE for visual effects. Although this park is not eligible for or listed on the National Register, it contains several sites listed on the National Register. The Tunxis Forest Ski Cabin is the only NR listed site located within the APE for visual effects. As demonstrated by the Visual Analysis attached to this report, the tree cover and topography in the throughout the park will limit the visibility of the tower from within the park.

NT Submission Packet - FCC Form 620
Project Name: West Hartland

Historic Property 1

3) Property Name: Tunxis Forest Ski Cabin
4) SHPO Site Number: (NR #86001761)

Property Address

5) Street Address: West end of Balance Rock Road		
6) City: East Hartland	7) State: CT	8) Zip Code: 06027
9) County/Borough/Parish: Hartford County		

Status and Eligibility

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

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

Photos of this site are not available as the site was not accessible at the time of the site visit.

NT Submission Packet - FCC Form 620
Project Name: West Hartland

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.

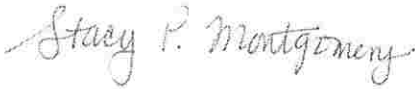
SHPO/THPO

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.			
Party Authorized to Sign			
First Name: Stacy	MI: P.	Last Name: Montgomery	Suffix:
Signature: 		Date: 1/07/10	
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)			

NEPA Checklist Guidelines

SITE: West Hartland

Approximate Structure Height: 190 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 an 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>Hartford, CT MSA</u>	Type of Structure/Tower: <u>monopole</u>	<input type="checkbox"/> SpectraSite managed site ID# _____
Site ID: <u>2587</u>	Site Name: <u>West Hartland</u>	<input type="checkbox"/> Crown managed site BU# _____
Type of Action: <input checked="" type="checkbox"/> New Tower Construction <input checked="" type="checkbox"/> Audit/Compliance <input type="checkbox"/> Temp (COW, Calf, etc.) ¹ EA Required? _____ <input type="checkbox"/> Modification (FULL NEPA required)		
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 190-foot monopole and the installation of associated equipment within a 75x75-foot compound on the Ring Mountain Hunt Club property. Access to the site location is via an existing driveway off Balance Rock Road.		
<i>Location of Action (address, city, county, state):</i> 95 Balance Rock Road, East Hartland, CT 06027 (Hartford 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

¹ 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: _____

The Ottery Group

May 5, 2010

Date

Market Representative: _____

Date: _____

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

NEPA ENVIRONMENTAL AFFECTS CHECKLIST SOURCE INFORMATION FORM

Site Name: West Hartland	Site No.: 2587	Initials: MSF	Date: May 5, 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 NDDDB 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 NDDDB 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 NDDDB maps; consultation with the New England Field Office of the USFWS and the Bureau of Natural Resources of the CT DEP.

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: West Hartland #2587
Client Name: AT&T Mobility

TOWER SITE EVALUATION FORM

1. Location (Provide maps if possible): 95 Balance Rock Road, East Hartland
State: CT County: Hartford Lat/Long/GPS: 42-00-37.02 (N) 72-55-18.24 (W)

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

Approximately 2,200 west of the intersection of Balance Rock Road and North Hollow Road.
2. Elevation above mean sea level: 1,117 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: 190 ft. Construction type (lattice, monopole, etc.): 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:
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:

Site Name: West Hartland #2587
Client Name: AT&T Mobility

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) Y 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 within a wooded area on an rural residential lot on the north side of Balance Rock Road and to the south of a hunting lodge on the property. The site location is approximately 450 feet northwest of a blob on the CT NDDDB, therefore, the CT DEP is reviewing the planned project.

20. Additional information required:

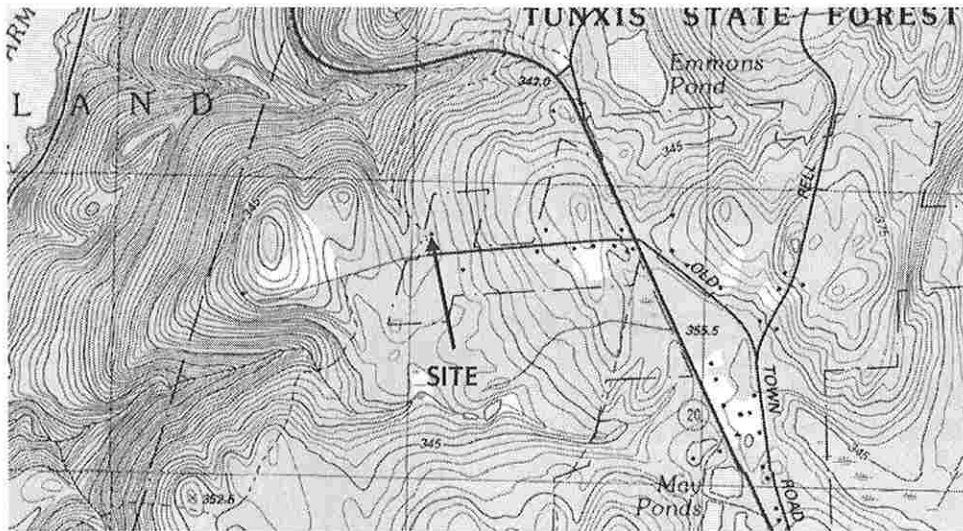
The undertaking consists of the construction of a telecommunications facility. The proposed facility will consist of a 180-foot monopole and associated equipment contained within a 75x75-foot equipment compound. The planned undertaking will also involve construction of a gravel access road from an existing gravel drive and parking area from Balance Rock Road. Utility connections currently exist on the property; telco and power connections will be made to serve the proposed facility from Ed Williams Road. No other construction-related activities are anticipated. Site plans are attached.

The project area/subject site is located in a rural residential area to the east of Barkhamsted Reservoir. Topographically, the proposed facility location is 1,117 feet amsl and near the base of a hill. The property is currently wooded land used for hunting activities. Unnamed streams are located approximately 1,800 feet to the north and south of the proposed facility location and Barkhamsted Reservoir is located approximately 5,000 feet to the west.

Site Name: West Hartland #2587
Client Name: AT&T Mobility



Aerial Photograph of the Project Area



Southwick (CT) USGS Topographic Map of the Project Area

Site Name: West Hartland #2587
Client Name: AT&T Mobility

Photo 1:

View of the ground surface conditions proposed site location.



Photo 2:

View of the setting at the proposed site location, facing north toward the proposed footprint.

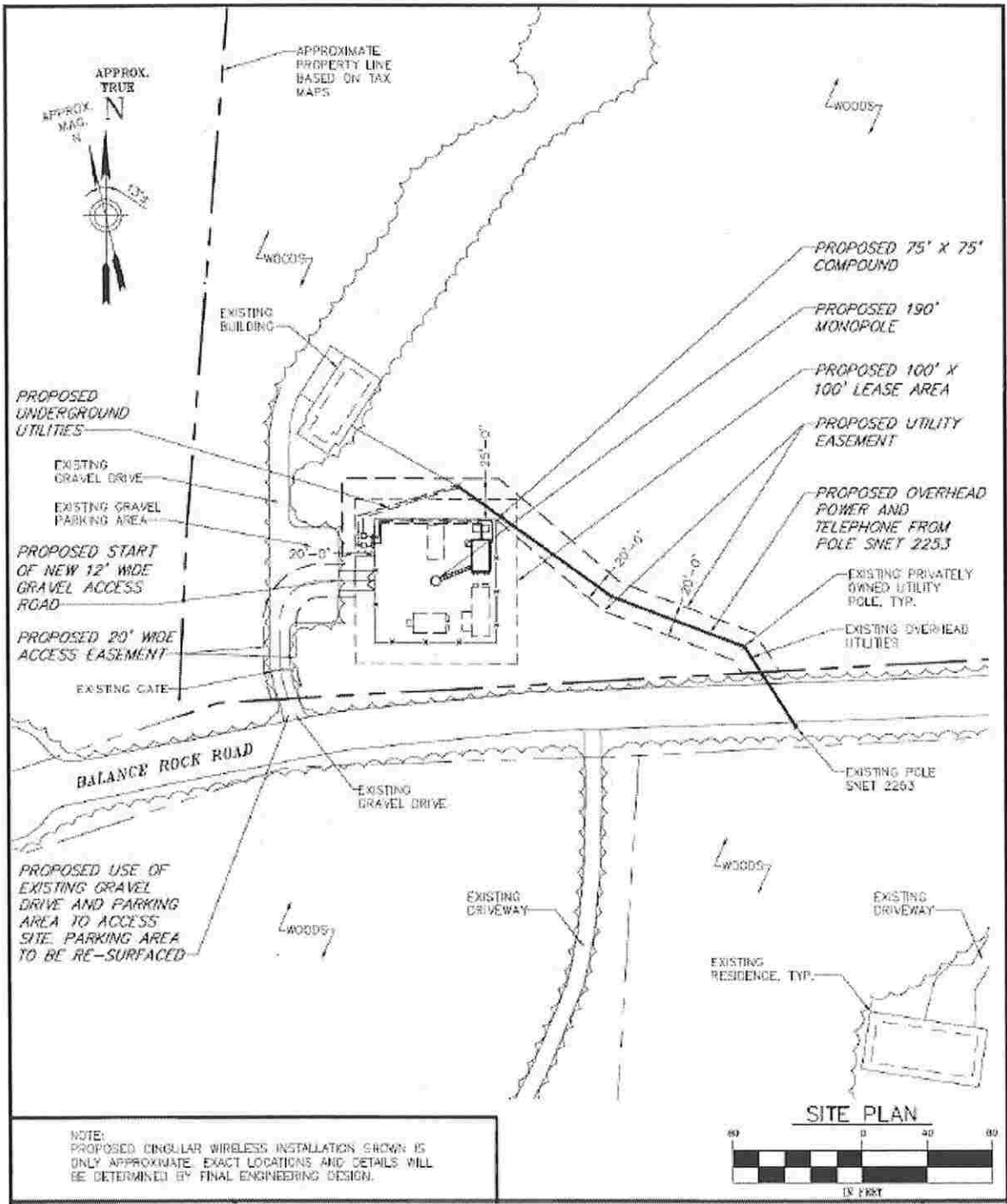


Photo 3:

View of the proposed location of the access road, facing north from Balance Rock Road.

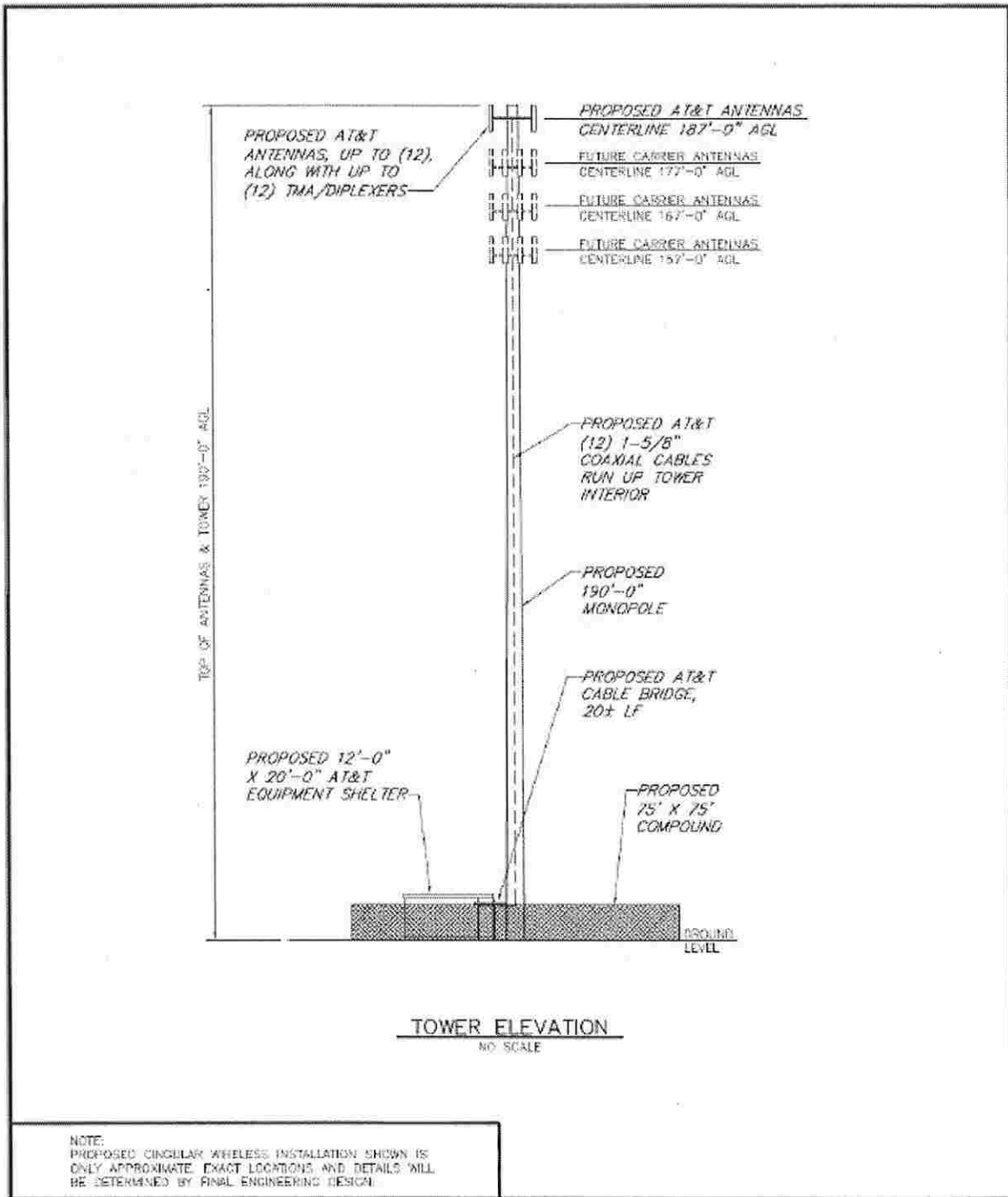


Site Name: West Hartland #2587
 Client Name: AT&T Mobility



NOTE:
 PROPOSED CINGULAR WIRELESS INSTALLATION SHOWN IS ONLY APPROXIMATE. EXACT LOCATIONS AND DETAILS WILL BE DETERMINED BY FINAL ENGINEERING DESIGN.

Site Name: West Hartland #2587
Client Name: AT&T Mobility





MAP SCALE 1" = 1000'



500 0 1000 2000 FEET
METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0045F

FIRM
FLOOD INSURANCE RATE MAP
HARTFORD COUNTY,
CONNECTICUT
(ALL JURISDICTIONS)

PANEL 45 OF 675

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS	NUMBER	PANEL	SUFFIX
GRANDY TOWN OF HARTLAND, TOWN OF	292126	0045	F
	292148	0045	F

Notice to User: The Map Number shown above should be used when requesting a copy of the map. The map number shown above should be used on insurance applications for this subject community.



MAP NUMBER
09003C0045F

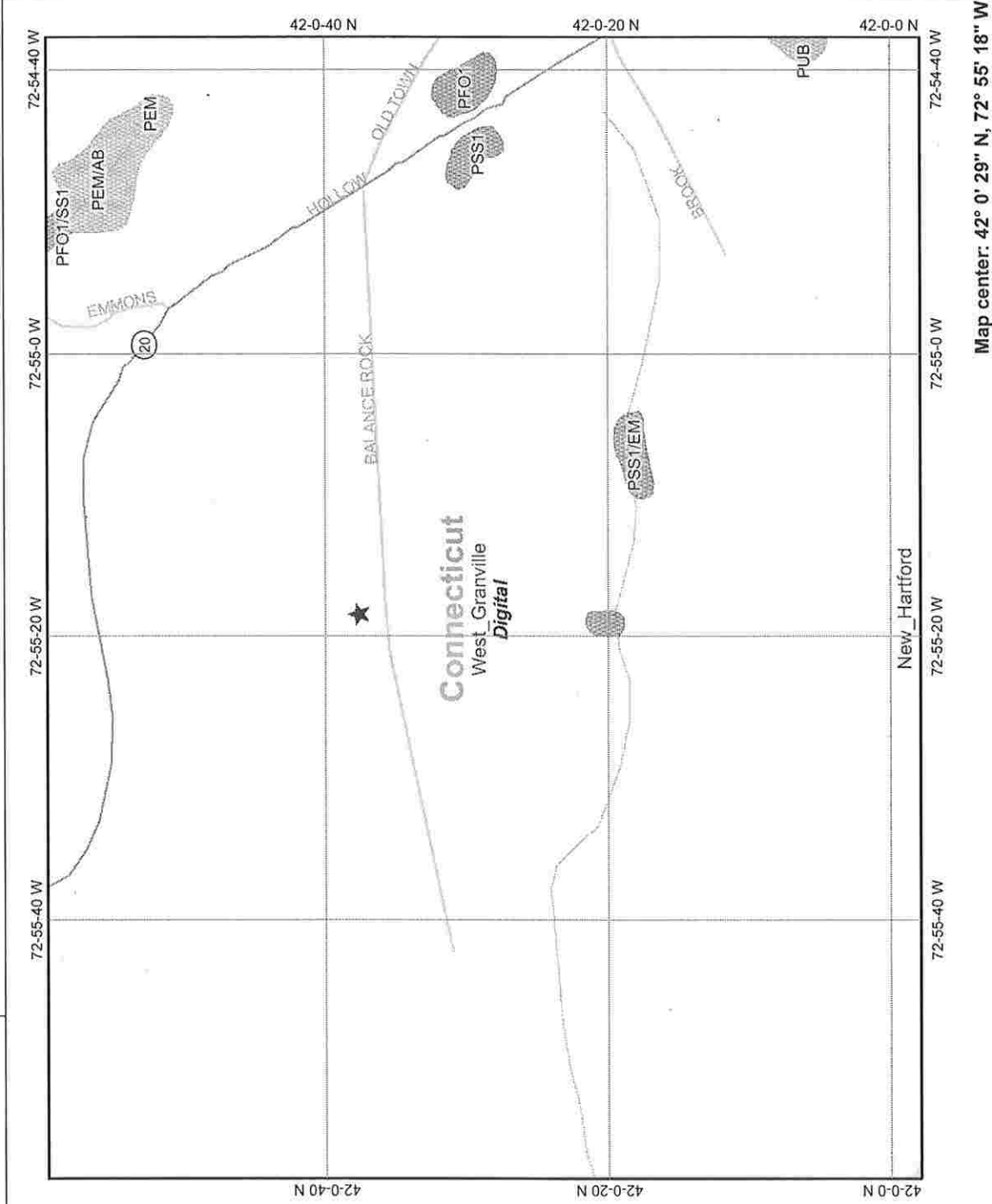
EFFECTIVE DATE:
SEPTEMBER 26, 2008

Federal Emergency Management Agency

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



NWI Map - West Hartland #2587



Map center: 42° 0' 29" N, 72° 55' 18" 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
- Counties 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.



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
FRANKLIN WILDLIFE MANAGEMENT AREA
391 ROUTE 32
NORTH FRANKLIN, CT 06254
TELEPHONE: (860) 642-7239



April 23, 2010

Ms. Meaghan Fahey
The Ottery Group
3420 Morningwood Drive, Suite 100
Olney, MD 20832

re: West Hartland telecommunications facility, Balance Rock Rd., East Hartland, CT

Dear Ms. Fahey:

I received your additional materials on 4/7/10 regarding the proposed telecommunications facility in East Hartland. As you know the Department of Environmental Protection's (DEP) Natural Diversity Data Base has records of a state species of special concern, the Northern saw-whet owl (*Aegolius acadicus*) in the vicinity of this project site. Again, this project will not impact bald eagles.

An ornithologist, Dr. Anton Leenders, familiar with the habitat requirements of this species concludes that the while there is potential suitable habitat on this site it is not of high quality. He indicates a careful examination of the trees and snags on site did not reveal any potential nest cavities and it is not likely that Northern Saw-whet owls are breeding on the proposed site. The DEP Wildlife Division concurs with this assessment.

Standard protocols for protection of wetlands should be followed and maintained during the course of the project. Additionally, all silt fencing should be removed after soils are stable so that reptile and amphibian movement between uplands and wetlands is not restricted.

Thank you for the opportunity to comment.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Victoria".

Julie Victoria, Wildlife Biologist
Franklin Swamp Wildlife Management Area
391 Route 32
N. Franklin, CT 06254

cc: NDDB - 17282



April 6, 2010

Ms. Julie Victoria
Wildlife Biologist
Franklin Swamp Wildlife Management Area
391 Route 32
North Franklin, CT 06254

Re: *Aegolius acadicus* (Saw-whet owl) survey for proposed telecommunications facility at 95 Balance Rock Road in East Hartland, CT (NDDDB-17282)

Dear Ms. Victoria:

As per your request from November 19, 2009, The Ottery Group has conducted a survey with a qualified ornithologist in order to establish the likelihood of the East Hartland telecommunications facility's impact on the habitat of the Saw-whet owl (*Aegolius acadicus*). The report is attached.

If you have any questions or require additional information, please contact me at: 301-562-1975 or email me at meaghan.fahey@otterygroup.com. Thank you for your time and consideration.

Sincerely,
THE OTTERY GROUP, INC.

Meaghan Fahey
Environmental Scientist

Enclosures

SURVEY REPORT

Northern Saw-whet Owl (*Aegolius acadicus*), Balance Rock Road, East Hartland, CT.

Submitted to:

Meaghan Fahey, Environmental Scientist
The Ottery Group
3420 Morningwood Drive
Olney, MD 20832
Tel (301) 562 1975
Fax (301) 562 1976
meaghan.fahey@otterygroup.com

Prepared By:



Connecticut Audubon Society, 2325 Burr Street, Fairfield, CT 06824



Northern Saw-whet Owl Survey Report

Proposed development of a telecommunications facility on Balance Rock Road, East Hartland, CT, will require removal of trees on-site. The CT-DEP Natural Diversity Database indicates the presence of Northern Saw-whet Owl (*Aegolius acadicus*), a state species of Special Concern (Connecticut Endangered Species Act 1989), in the vicinity of the proposed site. A habitat assessment and survey for this species was carried out to comply with CT-DEP requirements.

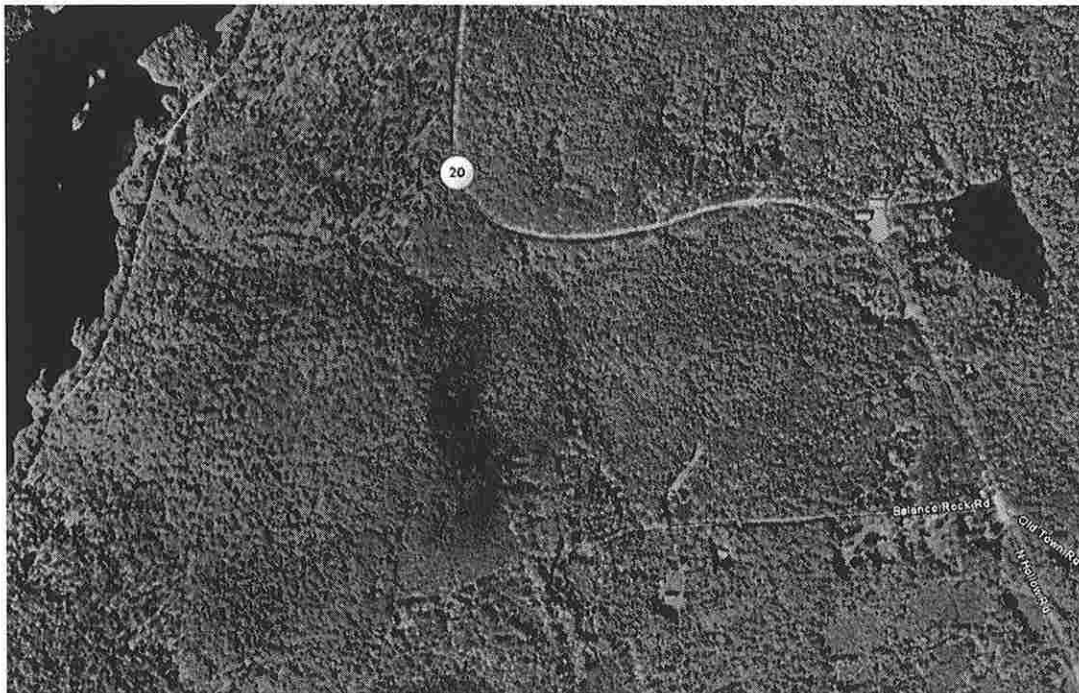


Figure 1: Aerial overview of Balance Rock Road, East Hartland, area. Location and approximate size of proposed area for development indicated in red.

METHODS

The proposed site and surrounding habitat was surveyed on two occasions. An early evening call back survey was carried out on 23 March 2010 and a daytime habitat assessment was conducted on 26 March 2010, both during appropriate weather conditions (overcast, no precipitation, 90-100% cloud cover, 36-44 degrees F). The proposed site and its surrounding habitat were searched for potentially suitable nest sites (cavities in large trees). In addition, call-back surveys were carried out in the vicinity of the site to assess the presence of Northern Saw-whet Owl in the area.

RESULTS

Habitat description

The proposed area for development is located near the end of a cul-de-sac (Balance Rock Road) in a forested area adjacent to Tunxis State Forest (see Fig. 1 for overview of area and approximate size and location of proposed site). The site is bordered on the south side by Balance Rock Road, on the west side by a private driveway and to the north and east by mixed forest owned by the Ring Mountain Hunt Club. The site plan indicates that the proposed development's footprint will occupy approximately 150 feet of road frontage along Balance Rock Road and will extend into the forest edge approximately 140 feet at its widest point (see Fig 2).

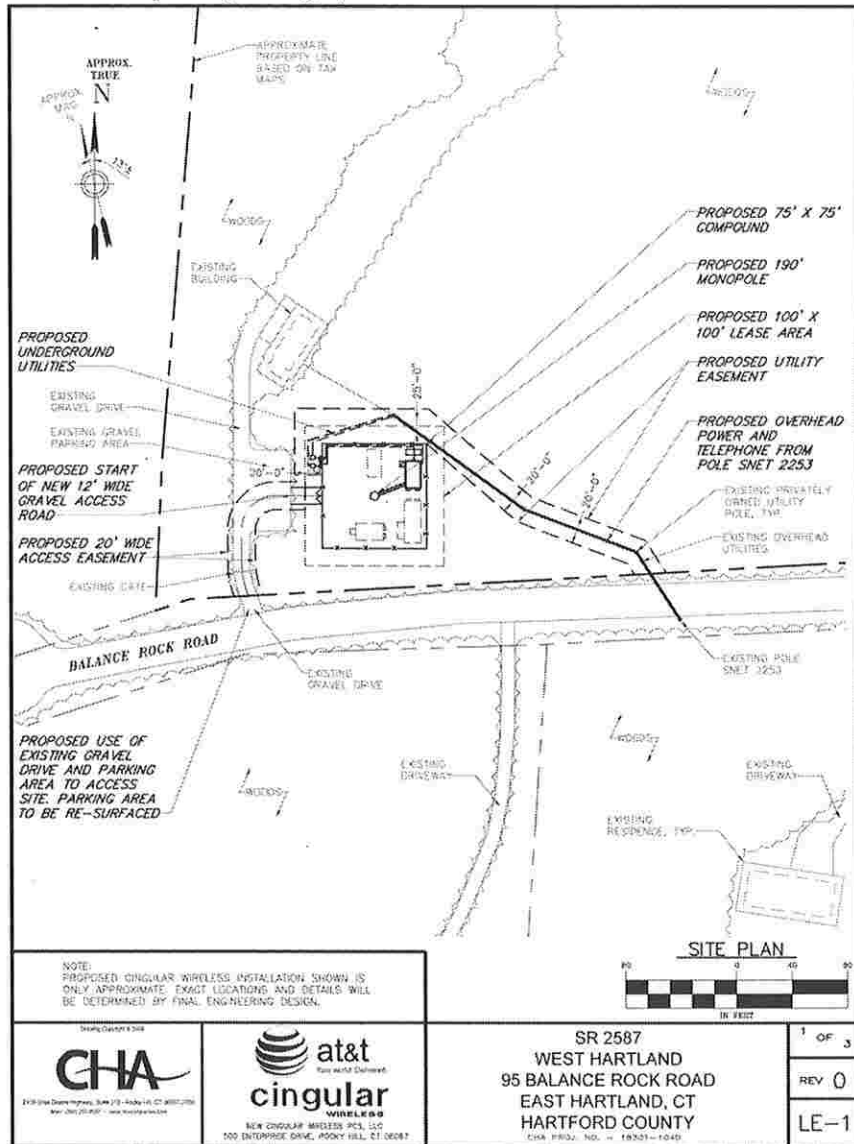


Figure 2: Site plan indicating location and size of proposed area for development. Map provided by Meaghan Fahey, The Ottery Group.

The habitat on-site consists of mixed forest with a small (intermittent?) stream, that was running during the surveys but may dry up later in the season. Several Eastern Hemlock (*Tsuga canadensis*) of significant size (6-10" DBH) occur along Balance Rock Road as well as scattered throughout the wooded section of the site. A variety of deciduous trees of varying ages, as well as locally dense stands of Mountain Laurel (*Kalmia* sp.), make up the remainder of the site's habitat. Habitat heterogeneity is high and snags, deadwood and coarse woody debris is present throughout the site. Several high branches in the canopy appear to have been damaged by wind shear, possibly in combination with an ice storm, several years ago.

Balance Rock Road extends beyond the cul-de-sac as a gated unpaved road into Tunxis State Forest. Areas of managed young forest and dense scrub border the woodland habitat that includes the proposed site. See figures 3-5 for on-site habitat images.



Figure 3: Overview of site's habitat (on right of Balance Rock Road). Note the entrance to the driveway that forms the western edge of the site between the red-topped marker posts on right hand side of road past car (driveway is visible as light horizontal line behind trees just below center of picture). Wet area with pooled water and (intermittent) stream visible on bottom right of image.



Figure 4: On-site habitat viewed from eastern corner of site along Balance Rock Road, looking northwest (note Mountain Laurel stand in background).



Figure 5: On-site habitat viewed from western corner of site at private driveway, looking northeast

Tree cavity search

In spite of the presence of dead branches in the tops of some on-site trees and the presence of trees of sufficient girth, no tree cavities were found that could potentially serve as nest sites for Northern Saw-whet Owl. Several Eastern Hemlocks occur at the site but don't form dense stands, nor do individual trees form a dense enough canopy to provide suitable cover for a roosting site.

Call-back surveys

Call-back surveys carried out on-site and in the vicinity of the proposed site elicited no response from any owls.

Additional observations

The following bird species were observed during the site assessment, either on-site (s), or in its immediate vicinity (v):

- Mourning Dove (s)
- Pileated Woodpecker (v)
- American Crow (s)
- Black-capped Chickadee (s)
- Red-breasted Nuthatch (v)
- White-breasted Nuthatch (s)
- American Robin (s)
- White-throated Sparrow (v)
- Dark-eyed Junco (s)
- Common Grackle (v)

No Northern Saw-whet Owl or sign of the species' presence was detected on-site.

DISCUSSION & CONCLUSIONS

Northern Saw-whet Owls regularly winter in Connecticut but the species is considered a rare to uncommon breeder in the state. To some extent the breeding status of this species may be underrepresented due to the difficulty of locating nests (Bevier 1994). The number of wintering Saw-whet Owls present in Connecticut tends to fluctuate dramatically on a year-to-year basis. Non-breeding individuals generally arrive by late October and depart towards the end of March (Bevier 1994).

Although anecdotal information suggests that these birds may return to the same wintering grounds every year, there is also some indication that Saw-whet Owls may select breeding sites based on local abundance of prey items (small mammals), settling to breed in areas where prey are most abundant - as long as nest cavities are available (Marks and Doremus 2000, Krahe 2001).

Generally Saw-whet Owls breed in mixed forest habitats that have dense conifers for roosting and deciduous trees for nesting and foraging. Birds wintering in Connecticut appear to use predominantly mixed mature old growth forest; woodlands adjacent to open water (e.g., rivers, marshes, or streams) are particularly favored (Petit 1995). In general, the presence of dense vegetation for roosting and perches for foraging is apparently critical (Cannings 1993).

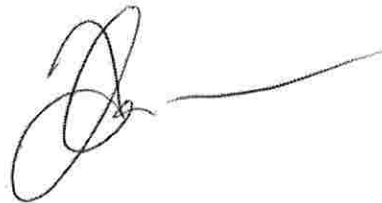
Saw-whet Owls are secondary cavity nesters, utilizing previously excavated cavities, most commonly excavated by Northern Flicker or Pileated Woodpecker but will also use nest boxes (Rasmussen et al. 2008).

Abundant habitat suitable for wintering and breeding Northern Saw-whet Owls is present in the larger area surrounding the proposed site. Old-growth stands in neighboring Tunxis State Forest, in particular in areas adjacent to reservoirs or open early successional habitat elements appear suited for this species. The habitat on the proposed site seems to contain potentially suited habitat for Northern Saw-whet Owl, but the area is very small and displays some edge effect due to the presence of a road and development on two of its sides. Higher quality habitat is available in the surrounding wooded area.

Field surveys were timed such that transient birds wintering in Connecticut, or migrating through, had already left the habitat. Any remaining birds that would be detected at this time of the year could potentially be breeding. Careful examination of the trees and snags on site did not reveal any potential nest cavities and it is not likely that Northern Saw-whet Owls are breeding on the proposed site.

A Pileated Woodpecker was observed in the immediate vicinity of the site, in Tunxis State Forest. An abundance of old woodpecker cavities, potentially suited as breeding habitat for Saw-whet Owls, must be available in the area surrounding the site. The habitat alteration associated with the proposed development is not believed to have a significant impact on local Northern Saw-whet Owl populations, if present. Due to the presence of abundant suitable habitat for wintering and potentially for breeding Saw-whet Owls in the areas surrounding the proposed site, it is not recommended to place nest boxes to offset loss of potential nesting trees. Placement of nest boxes in less favorable habitat, with elevated exposure to a variety of edge effect-related factors (e.g. increased predation by native and non-native predators, increased disturbance) may have an adverse effect on a local breeding population, if present.

Stratford, 5 April 2010



Twan Leenders, Conservation Biologist
Connecticut Audubon Society

RESOURCES

Bevier, L.R. (1994) The Atlas of Breeding Birds of Connecticut. State Geological and Natural History Survey of Connecticut, Bulletin 113. Department of Environmental Protection, Hartford, Connecticut.

Cannings, R. J. 1993. Northern Saw-whet Owl. *Birds of North America* 42:1-20.

Krahe, R. 2001. Saw-whet owl (*Aegolius acadicus*) and the queen charlotte owl project (Q.C.O.P.). Society for the Conservation of Owls Annual Report 2001 .

Marks, J.S. and J. H Doremus (2000) Are northern saw-whet owls, nomadic? *Journal of Raptor Research*, 34(4):299-304.

Petit, K.E. (1995) Winter diet and habitat selection by the northern saw-whet owl in Connecticut. M.S. Thesis, Southern Connecticut State University.

Rasmussen, J.L., S.G. Sealy and R.J. Cannings. 2008. Northern Saw-whet Owl (*Aegolius acadicus*), *The Birds of North America Online* (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online:
<http://bna.birds.cornell.edu.bnaproxy.birds.cornell.edu/bna/species/042>

SELECTED RESUME OF PRINCIPAL INVESTIGATOR

Anton (Twan) Leenders, Ph.D.
Conservation Biologist
Connecticut Audubon Society
2325 Burr St.
Fairfield, CT 06824

Education:

Katholieke Universiteit Nijmegen, The Netherlands, Biology, Ph.D. (1994)
Mgr. Zwijsen College, The Netherlands, Biology, B.S. (1988)

Employment History:

2008-present Conservation Biologist. Connecticut Audubon Society, Fairfield, CT.
- Editor-in-chief, Connecticut State of the Birds report.
- Lead biologist on biological survey work and development of habitat management guidelines and conservation plans. Clients include U.S. Army Corps of Engineers, DuPont corporation, National Audubon Society, U.S. Fish & Wildlife Service.

2004-2008 Assistant Professor. Sacred Heart University, Fairfield, CT.

2001-2004 Researcher. Division of Vertebrate Zoology, Peabody Museum of Natural History, Yale University, New Haven, CT.

1991-present Biologist. Carried out biological research, biodiversity inventories and conservation projects in Europe, North America, Central America and Tropical Africa for a variety of universities and organizations, including Yale University, Radboud University (The Netherlands), Senckenberg Museum (Germany), University of Frankfurt (Germany), Agricultural University of Wageningen (The Netherlands), CT Department of Environmental Protection, Bioproca Foundation (The Netherlands), SalvaNATURA (El Salvador), MINAE (Costa Rica), International Union for Conservation of Nature, Foundation for the Advancement of Herpetology.

Professional Affiliations:

2002-present Curatorial Affiliate, Yale University, Peabody Museum of Natural History, Division of Vertebrate Zoology

2002-present Independent consultant for CT-DEP, surveys and habitat assessment for CT-ESA listed amphibians, reptiles and birds.

2002-present Coordinator for the Connecticut Amphibian Monitoring Project (CAMP).

2003-present Contributor to the CT-DEP Natural Diversity Database.

2008-present Federally licensed bird bander

Memberships:

Society for Conservation Biology, Society for the Study of Amphibians and Reptiles, Herpetologist's League, Sound Science Initiative, Union of Concerned Scientists, Wildlife Conservation Society

Author of two books (two additional book manuscripts are currently in press or in preparation), a book chapter, and over 55 scientific and popular scientific articles, reports, and reviews; contributor to six other book projects.

Publications and references available upon request



Connecticut Commission on Culture & Tourism

Historic Preservation
and Museum Division

One Constitution Plaza
Second Floor
Hartford, Connecticut
06103

860.256.2800
800.256.2763 (T)

January 21, 2010

Ms. Stacy Montgomery
Architectural Historian
The Ottery Group
1810 August Drive
Silver Spring, Maryland 20902

Subject: Proposed AT&T Mobility "West Hartland #2587
Telecommunications Facility" - 95 Balance Rock Road, East
Hartland, CT 06027

Dear Ms. Montgomery:

The State Historic Preservation Office has reviewed the above-named project. The undertaking will include the construction of a 190-foot monopole and associated equipment within a 75 x 75-foot compound. A 12-foot wide gravel access road will lead to the facility from an existing driveway off of Balance Rock Road. Utilities to service the proposed facilities will be brought in overhead from an existing pole on the property. A short segment of underground utilities will extend from the overhead drop to the fenced facility compound. The proposed facilities will be constructed on privately owned lands adjacent to the Tunxis State Forest.

This office notes that a single National Register listed property is present within the 0.5-mile Area of Potential Effects (Visual): the Tunxis Forest Ski Cabin located near the western terminus of Balance Rock Road. Based on the information provided in your "Visual Analysis Report", we concur that the proposed facilities will have no adverse effect on the Tunxis Forest Ski Cabin. The proposed monopole is shielded from view at the cabin location by the intervening hillside. We further concur with the Ottery Group's assessment that the APE is unlikely to contain significant archaeological resources. It is therefore our opinion that this undertaking will have no effect on archaeological resources listed in, or eligible for listing in, National Register of Historic Places.

We anticipate working with all interested parties on the proposed undertaking as well as in the professional management of Connecticut's historical and archaeological heritage.

CONNECTICUT
www.cultureandtourism.org

An Affirmative Action
Equal Opportunity Employer



For further information please contact Daniel Forrest, Staff Archaeologist, at daniel.forrest@ct.gov or (860) 256-2761.

Sincerely,

David Bahlman
Deputy State Historic Preservation Officer



THE
OTTERY GROUP

January 7, 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 "West Hartland #2587 Telecommunications Facility" – 95 Balance Rock Road, East Hartland, CT 06027

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 East Hartland, 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). I appreciate your assistance with this project.

Sincerely,

THE OTTERY GROUP, INC.



Stacy P. Montgomery
Architectural Historian

Attachment – FCC Form 620

THE OTTERY GROUP

Archeological Assessment for the Proposed
West Hartland Telecommunications Facility,
95 Balance Rock Road
East Hartland, Hartford County, Connecticut

October 30, 2009

Prepared By:
Karl Franz
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 West Hartland Telecommunications Facility. The site location occupies a rural, wooded tract in the Tunxis State Forest northwest of the Village of East Hartland, Hartford County, 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 and the excavation of non-systematic shovel test pits (STPs) within the project area.

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 100-foot by 100-foot lease area encompassing a 75-foot by 75-foot fenced compound enclosing a 190-foot tall monopole and the necessary equipment pads, equipment cabinets, and utilities (Attachment 2). Site access will be provided by an existing gravel driveway via Balance Rock Road.

Environmental Setting

The proposed facility location is situated in the Connecticut-Farmington River Basin (US EPA 2009). The closest water source consists of an unnamed hilltop stream, located approximately 725 feet south of the project area. The stream empties into the Barkhamstead Reservoir, west of the project area. The Barkhamstead Reservoir consists of the East Branch of the Farmington River, which drains into the Farmington River, a tributary of the Connecticut River. The elevation within the project area is approximately 1,113 feet above mean sea level (AMSL).

The project area is located at the crest of a wooded hilltop within the Tunxis State Forest. The NRCS (2009) maps Woodbridge fine sandy loam, 2-15% slopes, extremely stony soils (47C) for the project area. These moderately well-drained soils are comprised primarily of coarse-loamy lodgment till derived from granite and/or schist and/or gneiss. This soil is typically found on drumlins and hills. 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. The Dodd Center also contains inventories of historic structures. An online review was conducted at the Map and Geographic Information Center (MAGIC) website of the UConn Library in order to chart the historic development of the project area vicinity.

No archeological sites have been reported within one mile of the project area. No cultural resources investigations have been conducted within one mile of the project area.

Two National Register of Historic Places (NRHP)-listed properties, the Tunxis Forest Headquarters House and the Tunxis Forest Ski Cabin, occur within one mile of the project area. Both were constructed by the Civilian Conservation Corps (CCC), a New Deal program, prior to World War II. No architectural surveys of historic properties have been conducted in Hartland.

An online review was conducted of the UConn MAGIC website in order to chart the historic development of the project area vicinity. The project area appears on the 1797 Amos Doolittle statewide map alongside a road that extends from Hartland north into Massachusetts (Attachment 4). This road approximates the present-day alignment of North Hollow Road (CT 20). In the nineteenth century, county maps show more local detail including individual landowners. The 1854 Woodford county map depicts the current layout of most of the roads proximal to the project area, including Balance Rock Road, North Hollow Road (CT 20),

Old Town Road, and Pell Road (Attachment 5). One landowner, Miles Cox is situated close to the project area. Multiple saw mills are depicted north of the project area, along the pre-reservoir course of the Farmington River, indicate the basis of the local economy during that time period. The 1895 quadrangle map of the project area reflects little development from the mid- to late-nineteenth century (Attachment 6). In general, the pattern of development suggests that the project area vicinity was historically neither a locus for domestic settlement nor for large scale industrial activity and remained rural well into the twentieth century.

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 tower location is situated within a wooded area adjacent to Balance Rock Road. The driveway that connects the Ring Mountain Club lodge with Balance Rock Road is proposed for site access. An existing parking area located adjacent to the current project area shows limited signs of disturbance, with pushpiles extending into the project area.

Two STPs were excavated within the footprint of the lease area. The proposed access road is an actively used gravel road and was not tested. The STPs measured approximately 35-centimeters (cm) in diameter. Soils were screened through ¼-inch hardware mesh to recover artifacts present in the soil horizons; the STPs were backfilled after recordation. Both STPs contained similar soil profiles, with a dense root mat and a 2.5Y 4/4 olive brown sandy loam A horizon above a 7.5YR 5/6 strong brown sandy loam substrate. Soils were extremely rocky. The A horizon was consistent with a formerly plowed surface. No artifacts were recovered and no subsurface features identified.

Recommendation

The location of the proposed telecommunications facility is considered to possess a moderate potential for prehistoric habitation sites. Although the site is not situated with access to available water, it overlooks a steep gorge leading to the Farmington River/Reservoir and could have afforded opportunities for prehistoric hunters. The project area is also considered to possess a moderate probability for historic period resources, due to the proximity to structures present on the 1854 and 1895 maps. However, no prehistoric or historic artifacts were recovered from the STP testing at the compound location; no artifacts or other indication of past activity was observed along the proposed access road route. Based on the results of this investigation, the project area is considered unlikely to contain significant archeological resources and no additional archeological investigation is recommended.

- Attachments:** Attachment 1: Location of the Project Area on the USGS Southwick, MA-CT Quadrangle
Attachment 2: Location of Archeological Testing
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 1855 E.M. Woodford *Smith's Map of Hartford County, Connecticut*
Attachment 6: Approximate Location of the Project Area on the 1895 USGS Granville, MA 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/>.

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/>.

United States Environmental Protection Agency (US EPA)

- 2009 <http://cfpub.epa.gov/surf/locate/index.cfm> Website, (October 27, 2009).

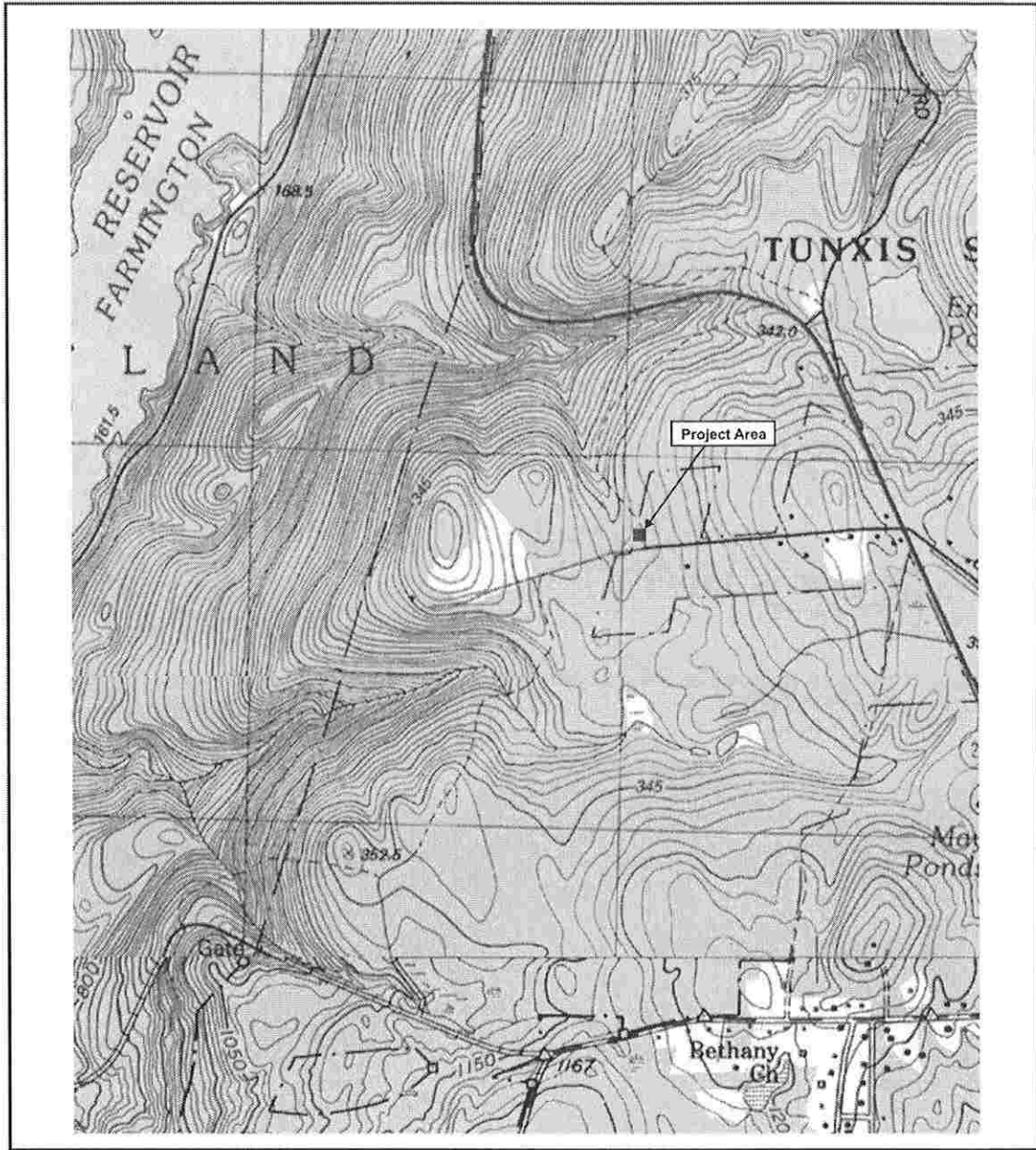
United States Geological Survey (USGS)


- 1893 Granville, MA Quadrangle. Available at <http://maptech.com/>.

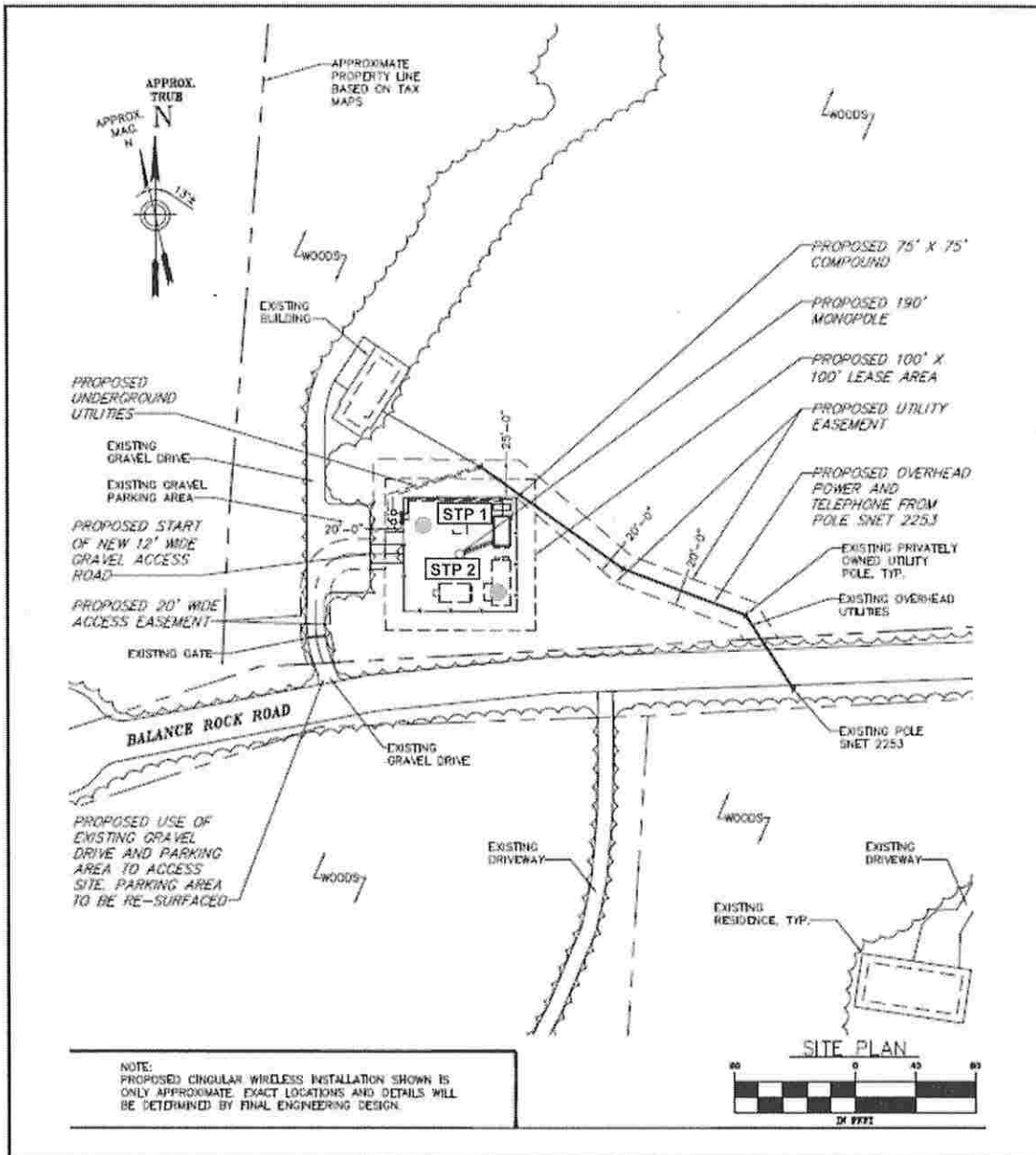
- 1997 Southwick, MA-CT Quadrangle.

Woodford, E.M.

- 1855 Smith's Map of Hartford County, Connecticut. H. & C.T. Smith, Philadelphia, PA. Available at the Map and Geographic Information Center (MAGIC), Historical Scanned Map Collection. University of Connecticut. <http://magic.lib.uconn.edu/>.



<p>THE OTTERY GROUP 3420 Morningwood Drive Olney, MD 20832 phone (301) 562-1975 fax (301) 562-1976</p>	<p>Attachment 1: Location of the Project Area on the USGS 7.5 Minute Southwick, CT Quadrangle</p>	
---	---	---



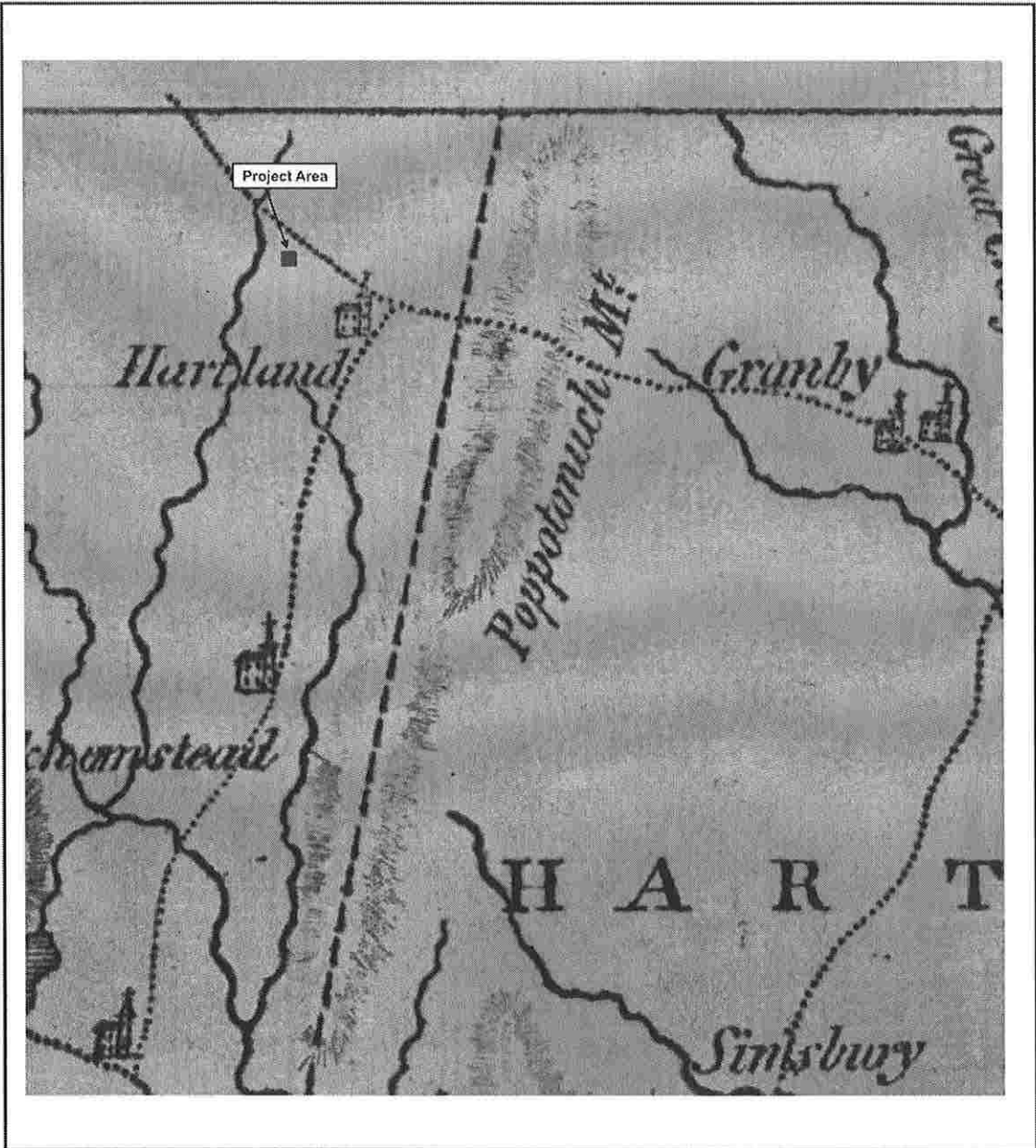
<p>THE OTTERY GROUP 3420 Morningwood Drive Olney, MD 20832 phone (301) 562-1975 fax (301) 562-1976</p>	<p>Attachment 2: Location of Archeological Testing</p>	
---	---	--




**THE
OTTERY GROUP**

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

**Attachment 3:
Site Photos**



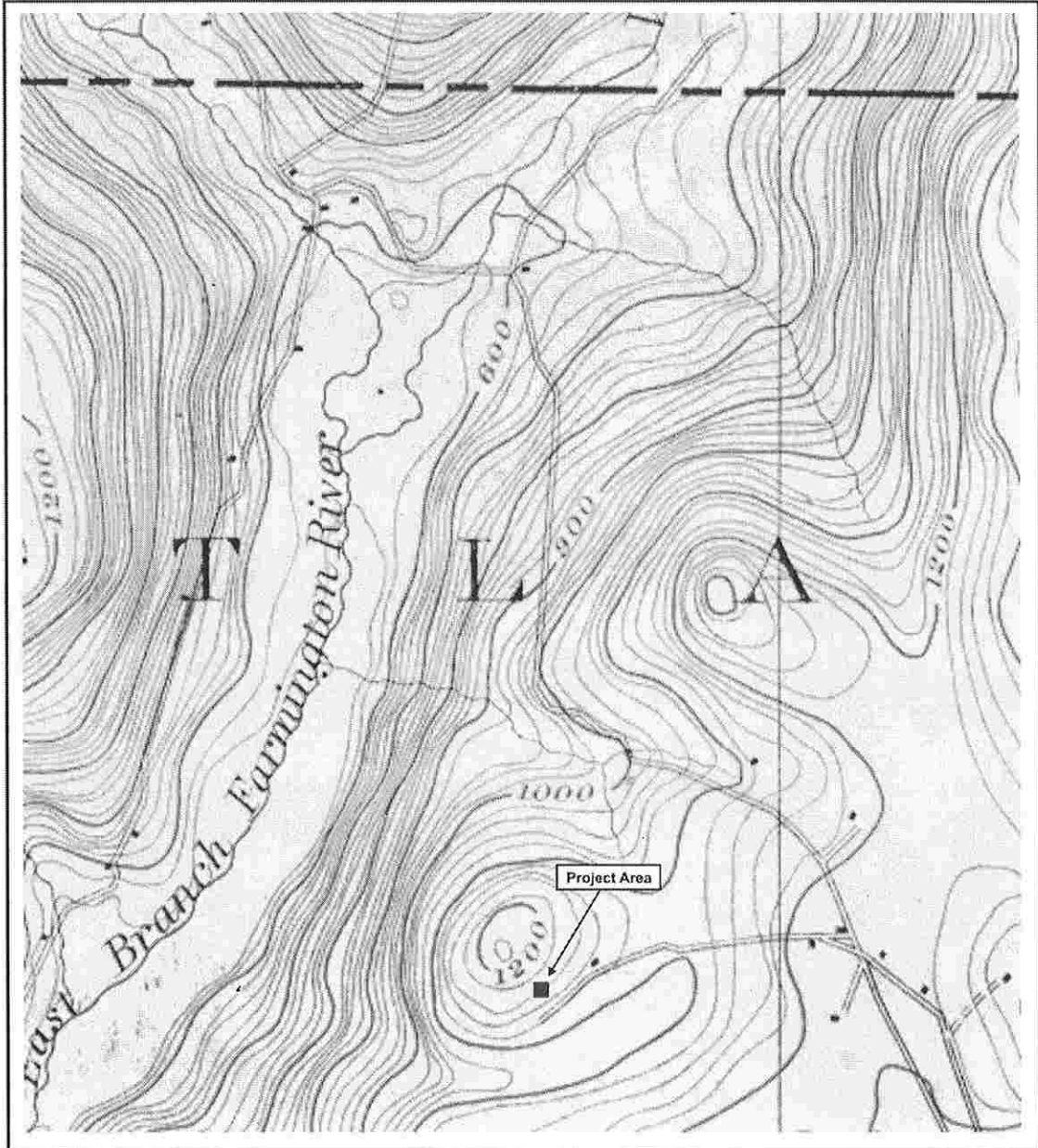
<p>THE OTTERY GROUP 3420 Morningwood Drive Olney, MD 20832 phone (301) 562-1975 fax (301) 562-1976</p>	<p>Attachment 4: Approximate Location of the Project Area on the 1797 <i>Doolittle A Correct Map of Connecticut from Actual Survey</i></p>	
---	---	---




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

Attachment 5:
 Approximate Location of the Project Area on the 1854
 E.M. Woodford Smith's Map of Hartford County, Connecticut






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

Attachment 6:
 Approximate Location of the Project Area on the 1895
 USGS Granville, MA Quadrangle



June 29, 2010

VIA FEDERAL EXPRESS

First Selectman Wade E. Cole
Town of Hartland
Town Office Building
22 South Road.
P.O. Box 297
East Hartland, CT 06027-0297
Phone: (860) 653-6800

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
95 Balance Rock Road
East Hartland, Connecticut

Dear First Selectman Cole:

We are writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") with respect to the above captioned matter involving a proposed wireless telecommunications tower facility to be located at 95 Balance Rock Road in the Town of Hartland. As you may know, jurisdiction over such facilities rests exclusively with the State of Connecticut Siting Council pursuant to Section 16-50i and x of the Connecticut General Statutes.

Section 16-50l(e) of the Connecticut General Statutes does nevertheless require that AT&T consult with a municipality prior to such an application being filed with the Siting Council. The purpose of such local consultation is to give the municipality in which a facility has been proposed an opportunity to provide the applicant with any recommendations or preferences it may have prior to the applicant's filing of an application. As set forth in the statute, any such recommendations must be issued by the municipality within sixty days of its receipt of technical information concerning the proposed facility from the applicant.

The purpose of this letter is to formally notify you of the proposed Facility and commence the sixty day consultation period that is required prior to AT&T's filing of any application with the Siting Council. Enclosed is a "Technical Report" for your review and consideration which includes information about the need for the proposed tower facility, a summary of the site selection process and the environmental effects of a tower that has been proposed. The enclosed Technical Report also includes information provided by AT&T regarding its lack of service in this area of the State and how the proposed facility would integrate into its network. We trust that this information will prove helpful to you and others in Hartland in formulating any recommendations you may have about the proposal.

We would appreciate the opportunity to meet with you to review the Technical Report and will follow this letter with a call to schedule such a meeting to discuss the proposed facility at your

convenience. Additionally, should Hartland elect to conduct a public meeting about the proposal during the consultation period, we would ask that you let us know at your earliest convenience so that we may have representatives available to discuss the project.

Thank you for your consideration of this letter and its enclosures. We look forward to meeting with you.

Very truly yours,



Lucia Chiochio

Enclosure

cc w/ enclosures:

William Volovski, Building Inspector
Michelle Briggs, AT&T
David Vivian, SAI Communications
Christopher B. Fisher, Esq.

CUDDY & FEDER^{LLP}

445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
Tel 914.761.1300 Fax 914.761.5372
www.cuddyfeder.com

September 9, 2010

VIA FIRST CLASS MAIL

First Selectman Wade E. Cole
Town of Hartland
Town Office Building
22 South Road
Hartland, Connecticut 06027-0297
(860) 653-6800

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
95 Balance Rock Road
East Hartland, Connecticut

Dear First Selectman Cole:

I am writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with the above referenced facility and as a follow up to the August 16th public information session held before the Hartland Planning & Zoning Commission as part of the municipal consultation on AT&T's proposed facility.

As you know, the purpose of the municipal consultation period set forth in Section 16-50(e) of the Connecticut General Statutes is to provide information to the Town about AT&T's proposed facility so that the Town can provide AT&T with recommendations or preferences regarding the siting of its proposed wireless telecommunications facility. As a result of the productive dialogue with the Hartland Planning & Zoning Commission at the August 16th information session, AT&T incorporated some revisions to its proposed facility.

Specifically, AT&T shifted the proposed 190' tall monopole approximately 110' feet to the north so that the tower radius lies substantially within the subject property boundaries. Access to the facility will continue along the existing gravel access drive from Balance Rock Road and will be extended approximately 72' to the proposed equipment compound. The proposed utility easement will remain to the east of the proposed facility. In addition, in accordance with the Planning & Zoning Commission's recommendation, the proposed 8' tall fence to enclose the equipment compound will include privacy slats.

Thank you for your consideration of this information. AT&T is in the process of assembling its Application for a Certification of Environmental Compatibility and Public Need ("Application") for its proposed facility and will be filing it with the Connecticut Siting Council in the coming weeks. AT&T's Application will include details of the revisions set forth herein.

As you know, the Siting Council and State Law require an applicant to provide notice of intent to file an Application. Accordingly, we will be publishing a notice of intent to file in the Hartford Courant newspaper. In addition, we will also be mailing notice to the abutting landowners.

Copies of AT&T's Application will be forwarded to you and different Town agencies as part of the Siting Council application process. In the interim, if you or members of your staff have any questions or need anything further please do not hesitate to contact me.

Very truly yours,



Lucia Chiocchio

cc: Warren K. Haag, Chairman, Planning & Zoning Commission
Michele Briggs, AT&T
David Vivian, SAI
Christopher B. Fisher, Esq.



September 30, 2010

First Selectman Wade E. Cole
Town of Hartland
Town Office Building
22 South Road
East Hartland, CT 06027
Phone: (860) 653-6800

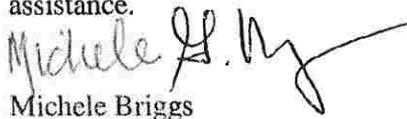
Re: AT&T
Proposed Wireless Telecommunications Tower Facility
95 Balance Rock Road
East Hartland, Connecticut

Dear First Selectman Cole:

I am writing to you in connection with the above referenced tower facility proposed for service in Hartland. Please accept this letter as AT&T's commitment to allow the Town to install emergency communications antennas on the tower proposed at 95 Balance Rock Road in Hartland. In the event the Town has a current need for such antennas, please let us know who we may coordinate with in order to accommodate the Town's specifications.

If there is no current need and the Town's interest is just for future proposes, please note that a sublease agreement with AT&T would be required and be subject to AT&T's standard terms and conditions at that time with the exception of rent. It would be our expectation that the Town could install 2 or 3 whip antennas off the top of the tower and place equipment in a 10' by 10' area in the facility compound rent free.

Thank you for your consideration and please let me know how I may be of any further assistance.


Michele Briggs

cc: David Vivian, SAI

C&F: 1462605.1

CERTIFICATION OF SERVICE

I hereby certify that on the _____ day of _____, 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

<p>The Honorable Richard Blumenthal Attorney General Office of the Attorney General 55 Elm Street Hartford, CT 06106</p>	<p>Connecticut Department of Emergency Management and Homeland Security Peter J. Boynton, Commissioner 25 Sigourney Street, 6th Floor Hartford, CT 06106-5042</p>
<p>Department of Environmental Protection Amey Marrella, Commissioner 79 Elm Street Third Floor Hartford, CT 06106</p>	<p>Department of Economic and Community Development Joan McDonald, Commissioner 505 Hudson Street Hartford, CT 06106-71067</p>
<p>Department of Public Health J. Robert Galvin, Commissioner 410 Capitol Avenue Hartford, CT 06134-0308</p>	<p>Department of Transportation Jeffery A. Parker, Commissioner 2800 Berlin Turnpike Newington, CT 06131-7546</p>
<p>Council on Environmental Quality Karl J. Wagener, Executive Director 79 Elm Street Hartford, CT 06106</p>	<p>Department of Agriculture F. Philip Prelli, Commissioner 165 Capitol Avenue Hartford, CT 06106</p>
<p>Department of Public Utility Control Kevin M. DelGobbo, Chair 10 Franklin Square New Britain, CT 06051</p>	<p>Litchfield Hills Council of Elected Officials Chairman Leo Paul, Jr. 42E North Street Goshen, Connecticut 06756</p>
<p>Office of Policy and Management Brenda L. Sisco, Acting Secretary 450 Capitol Avenue Hartford, CT 06106-1308</p>	<p>State Representative Hon. John Rigby 63rd Assembly District House Republican Office L.O.B. Room 4200 Hartford, CT 06106</p>
<p>Connecticut Commission on Culture & Tourism Historic Preservation and Museum Division One Constitution Plaza, 2nd Floor Hartford, CT 06103</p>	<p>State Senator Hon. Kevin Witkos 8th Senate District Senate Republican Office LOB Room 3400 Hartford CT, 06106</p>

Federal

Federal Aviation Administration 800 Independence Avenue, SW Washington, DC 20591	United States Senator Christopher Dodd 30 Lewis Street, Suite 101 Hartford, CT 06103
Federal Communications Commission 445 12 th Street SW Washington, D.C. 20554	Congressman John B. Larson Connecticut's 1 st District 221 Main Street, 2nd Floor Hartford, CT 06106
United States Senator Joseph Lieberman One Constitution Plaza, 7th Floor Hartford, CT 06103	

Town of Hartland

Town of Hartland Hon. Wade Cole First Selectman Town Hall 22 South Road, P.O. Box 297 Hartland, CT 06027	Town of Hartland Inland Wetlands Commission William H. Emerick, Chairman Town Hall 22 South Road, P.O. Box 297 Hartland, CT 06027
Town of Hartland Ms. Elizabeth P. Essel Town Clerk Town Hall 22 South Road, P.O. Box 297 Hartland, CT 06027	Town of Hartland Joseph S. Alicata, Chairman Building Code Board of Appeals Town Hall 22 South Road, P.O. Box 297 Hartland, CT 06027
Town of Hartland Planning and Zoning Commission Warren K. Haag, Chairman Town Hall 22 South Road, P.O. Box 297 Hartland, CT 06027	Town of Hartland William Volovski Building Official Town Hall 22 South Road, P.O. Box 297 Hartland, CT 06027
Town of Hartland Zoning Board of Appeals Brian Bedard, Chairman Town Hall 22 South Road, P.O. Box 297 Hartland, CT 06027	

Dated _____

Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
Attorneys for AT&T

NOTICE

Notice is hereby given, pursuant to Section 16-50/(b) of the Connecticut General Statutes and Section 16-50-1(e) of the Regulations of Connecticut State Agencies of an Application to be filed with the Connecticut Siting Council ("Siting Council") on or after October 13, 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 Hartland, Connecticut. The property being considered for the proposed wireless telecommunications facility (the "Facility") is located at 95 Balance Rock Road. The proposed Facility will be located in the southwest portion of the property and will consist of a 190-foot self-supporting monopole tower, antennas and a 60' x 85' fenced equipment compound designed to accommodate unmanned equipment in either single-story equipment buildings or on concrete pads. Vehicle access to the Facility will extend from Balance Rock Road over an existing gravel access drive that will be extended approximately 72' to the proposed equipment compound.

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 Hartland, Connecticut are invited to review the Application during normal business hours after October 13, 2010 at any of the following offices:

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Elizabeth P. Essel
Hartland Town Clerk
Hartland Town Hall
22 South Road, P.O. Box 297
East Hartland, CT 06027

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

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

October 6, 2010

**VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

State of Connecticut
450 Capitol Avenue
Hartland, Connecticut 06027

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
95 Balance Rock Road, Connecticut

Dear Sir or Madam:

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 Hartland. 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 with the State agency that regulates tower facilities.

The property being considered for the proposed Facility is located at 95 Balance Rock Road, owned by the Ring Mountain Hunt Club. The proposed Facility will be located in the southwest portion of the property and will consist of a 190-foot self-supporting monopole tower, antennas and a 60' x 85' fenced equipment compound designed to accommodate unmanned equipment in single-story equipment buildings or on concrete pads.

Vehicular access to the site will extend from Balance Rock Road along an existing gravel access drive a distance of approximately 110' then along an approximately 72' long extension of the access drive to be improved with gravel. Utility connections would extend from Balance Rock Road along a replacement pole line on the property, then underground to the equipment compound.

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 October 13, 2010 the date on which the application is expected to be on file with the State.

Very truly yours,


Lucia Chiochio

LC/ec

October 6, 2010

**VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Thomas H. Sirman
88 Balance Rock Road
East Hartland, Connecticut 06027

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
95 Balance Rock Road, Connecticut

Dear Mr. Sirman:

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 Hartland. 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 with the State agency that regulates tower facilities.

The property being considered for the proposed Facility is located at 95 Balance Rock Road, owned by the Ring Mountain Hunt Club. The proposed Facility will be located in the southwest portion of the property and will consist of a 190-foot self-supporting monopole tower, antennas and a 60' x 85' fenced equipment compound designed to accommodate unmanned equipment in single-story equipment buildings or on concrete pads.

Vehicular access to the site will extend from Balance Rock Road along an existing gravel access drive a distance of approximately 110' then along an approximately 72' long extension of the access drive to be improved with gravel. Utility connections would extend from Balance Rock Road along a replacement pole line on the property, then underground to the equipment compound.

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 October 13, 2010 the date on which the application is expected to be on file with the State.

Very truly yours,



Lucia Chiochio

LC/ec

October 6, 2010

**VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Antonie Krauland
72 Balance Rock Road
East Hartland, Connecticut 06027

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
95 Balance Rock Road, Connecticut

Dear Mr. Krauland:

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 Hartland. 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 with the State agency that regulates tower facilities.

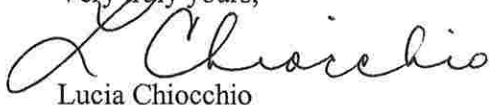
The property being considered for the proposed Facility is located at 95 Balance Rock Road, owned by the Ring Mountain Hunt Club. The proposed Facility will be located in the southwest portion of the property and will consist of a 190-foot self-supporting monopole tower, antennas and a 60'x 85' fenced equipment compound designed to accommodate unmanned equipment in single-story equipment buildings or on concrete pads.

Vehicular access to the site will extend from Balance Rock Road along an existing gravel access drive a distance of approximately 110' then along an approximately 72' long extension of the access drive to be improved with gravel. Utility connections would extend from Balance Rock Road along a replacement pole line on the property, then underground to the equipment compound.

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 October 13, 2010 the date on which the application is expected to be on file with the State.

Very truly yours,



Lucia Chiocchio

LC/ec

CERTIFICATION OF SERVICE

I hereby certify that on the 6th day of October 2010, a copy of the foregoing letter was mailed by certified mail, return receipt requested to each of the abutting property owners on the accompanying list.

10 | 6 | 10
Date


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

Attorneys for:
AT&T

ADJACENT PROPERTY OWNERS
95 Balance Rock Rd.

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

16-07-49
State of Connecticut
450 Capitol Avenue
Hartland, Connecticut 06027

16-07-035A
Mr. Thomas H. Sirman
88 Balance Rock Road
East Hartland, Connecticut 06027

16-07-035 &
16-07-033
Mr. Antonie Krauland
72 Balance Rock Road
East Hartland, Connecticut 06027

Application Guideline	Location in Application
(A) 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 3-4 Attachment 3: Description and Design of Proposed Facility
(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 3-4 V: Facility Design: page 10
(C) A statement of the purpose for which the application is made;	I.A: Purpose and Authority, page 3
(D) A statement describing the statutory authority for such application;	I.A: Purpose and Authority, page 3
(E) 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, page 4
(F) 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, page 4
(G) 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, page 6 Attachment 1: Statement of RF Need with Coverage Plots
(H) A statement of the benefits expected from the proposed facility with as much specific information as is practicable;	III.B: Statement of Benefits, page 7
(I) A description of the proposed facility at the proposed prime and alternative sites including: <ol style="list-style-type: none"> (1) 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; (2) Access roads and utility services; (3) Special design features; (4) 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; (5) A map showing any fixed facilities with which the proposed facility would interact; 	I.B. Executive Summary, page 3 V: Facility Design, page 10 Attachment 3: Description and Design of Proposed Facility VI.C: Power Density, page 13 Attachment 1: Statement of RF Need with Coverage Plots Attachment 4: 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>	Attachment 1: Statement of RF Need with Coverage Plots
<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>	Attachment 3: Description and Design of Proposed Facility Attachment 5: Visual Resource Evaluation Report
<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>	Attachment 3: Description and Design of Proposed Facility VI: Environmental Compatibility, pages 12-15 Attachment 4: Environmental Assessment Statement
<p>(L) A description of the existing and planned land uses of the named sites and surrounding areas;</p>	VII.D: Planned and Existing Land Uses, page 17
<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>	VI: Environmental Compatibility, pages 12-15 Attachment 4: Environmental Assessment Statement

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 5: 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, page 10 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 12-15
(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 19
(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 19
(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, page 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> <ol style="list-style-type: none"> 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 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>VI: Environmental Compatibility, pages 12-15</p> <p>Attachments 6: FCC/NEPA Environmental Compliance Report and Correspondence</p> <p>Attachment 7: Correspondence with the Department of Environmental Protection (DEP)</p> <p>Attachment 8: Correspondence with the State Historic Preservation Officer (SHPO)</p> <p>Attachment 9: Correspondence with the Town of Hartland</p> <p>VII: Consistency with the Town of Hartland's Land Use Regulations, pages 15-17</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, page 10</p>
<p>(Z) Such information as the applicant may consider relevant.</p>	