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 522 COLEBROOK ROAD IN THE TOWN OF COLEBROOK

DOCKET NO._____

August 9, 2013

APPLICATION FOR CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED

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

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LIST OF ATTACHMENTS

1. Radio Frequency Engineering Report 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, Map and Aerial
4. Environmental Assessment Statement with Power Density Report, TOWAIR Results (No FAA Registration Required), Preliminary Wetland Impact Analysis, Avian Resources Evaluation
5. Visibility Analysis with Photo Simulations
6. SHPO & DEEP Correspondence
7. Correspondence with the Town of Colebrook[1]
8. Certification of Service on Governmental Officials including List of Officials Served
9. Copy of legal notice published twice in the Republican American, Notice to Abutting Landowners; Certification of Service with List of Abutting Landowners
10. Connecticut Siting Council Application Guide

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

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APPLICATION FOR CERTIFICATE OF
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I. Introduction

A. Purpose and Authority

Pursuant to Chapter 277a, Sections 16-50g et seq. of the Connecticut General Statutes ("CGS"), as amended, and Sections 16-50j-1 et seq. of the Regulations of Connecticut State Agencies ("RCSA"), as amended, New Cingular Wireless PCS, LLC ("AT&T" or the "Applicant"), hereby submits an application and supporting documentation (collectively, the "Application") for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless communications facility (the "Facility") in the Town of Colebrook. The Facility is a necessary component of AT&T's wireless network and its provision of reliable service to residents living in and travelers along Routes 182, 182A and 183 and Smith Hill Road and surrounding areas in the Town of Colebrook. The Facility is proposed on a property owned by Wheeler Limited Liability Partnership located at 522 Colebrook Road (the "Site").

B. Executive Summary

In 2009, AT&T commenced a search for a wireless facility in the south-central portion of Colebrook. AT&T investigated several locations within and outside of the search area including

many Town-owned parcels to provide service to this area of Colebrook. AT&T's search for sites resulted in the proposed tower site at 522 Colebrook Road. A technical report was submitted to the Town of Colebrook in February 2011. A public informational meeting was held in Colebrook on April 4, 2011 where representatives of AT&T presented the proposed Facility and answered questions from members of the community and local officials in attendance. Shortly thereafter, for business reasons, AT&T deferred filing an application with the Siting Council.

AT&T's project was funded earlier this year. AT&T reconfirmed that no new tall structures or towers were constructed in the area since 2011. AT&T also confirmed that the proposed Site was still the only known available location for the proposed tower facility. Representatives of AT&T then contacted the Colebrook First Selectman to advise him of the decision to proceed with an Application to the Siting Council for the proposed Facility. Copies of the technical report were again sent to the First Selectman, Planning & Zoning Commission, Inland Wetlands Commission and Land Use Administrator on April 12, 2013. After submission of the technical report, First Selectman McKeon advised that the Town did not consider another informational meeting, or any further consultation necessary.

The property at 522 Colebrook Road is an approximately 73.1 acre parcel with frontage on Colebrook Road (Route 183) and Smith Hill Road. The parcel is improved with a single family residence and a driveway extending from Colebrook Road. AT&T's proposed Facility consists principally of a 120-foot self-supporting tower and associated compound in the southeast portion of the parcel. The tower, antennas and ground equipment will be enclosed within a 75' x 75' fenced equipment compound. Vehicular access to the facility will be provided from Smith Hill Road over a new approximately 1,337' long 12' wide gravel drive extension.

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 references from this Application is also included in Attachment 10.

C. The Applicant

The Applicant, New Cingular Wireless PCS, LLC, 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
Attention: 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 16-50*l*(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 16-50*l*(c).

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

Pursuant to CGS Section 16-50*l*(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 8. Pursuant to CGS 16-50*l*(b), notice of the Applicant's intent to submit this application was published on two occasions in the Republican American, the paper utilized for publication of planning and zoning notices in the Town of Colebrook and of general circulation in the area. A copy of the published legal notice is included in Attachment 9. The publisher's affidavits of service will be forwarded upon receipt. Further, in compliance with CGS 16-50*l*(b), notices were sent to each person appearing of record as owner of a property which abuts the proposed facility Site. Certification of such notice, a sample of the notice and letter, and the list of property owners to whom the notice was mailed are included in Attachment 9.

III. Statements of Need and Benefits

A. Statement of Need

1. United States Policy & Law

United States policy and laws continue to support the growth of wireless networks. In 1996, the United Sates Congress recognized the important public need for high quality wireless

communications service throughout the United States in part through adoption of the Telecommunications Act (the "Act"). A core purpose of the 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. Rep. No. 104-458, at 206 (1996) (Conf. Rep.). With respect to wireless communications services, the Act 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 permitting jurisdiction over wireless infrastructure and the public's interest in its timely deployment to meet the public need for wireless services.

Seventeen years later, it remains clear that the current White House administration, The Congress and the FCC continue to take a strong stance and act in favor of the provision of wireless service to all Americans. In December 2009, President Obama issued Proclamation 8460 which included wireless facilities within his definition of the nation's critical infrastructure and declared in part:

> Critical infrastructure protection is an essential element of a resilient and secure nation. Critical infrastructure are the assets, systems, and networks, whether physical or virtual, so vital to the United States that their incapacitation or destruction would have a debilitating effect on security, national economic security, public health or safety. From water systems to computer networks, power grids to cellular phone towers, risks to critical infrastructure can result from a complex combination of threats and hazards, including terrorist attacks, accidents, and natural disasters.[2]

[2] Presidential Proclamation No. 8460, 74 C.F.R. 234 (2009).

President Obama further identified the critical role of robust mobile broadband networks in his 2011 State of the Union address.[3] In 2009, The Congress directed the FCC to develop a national broadband plan to ensure that every American would have access to "broadband capability" whether by wire or wireless. What resulted in 2010 is a document entitled "Connecting America: The National Broadband Plan" (the "Plan").[4] Although broad in scope, the Plan's goal is undeniably clear:

> [A]dvance consumer welfare, civic participation, public safety and homeland security, community development, health care delivery, energy independence and efficiency, education, employee training, private sector investment, entrepreneurial activity, job creation and economic growth, and other national purposes.[5] [internal quotes omitted]

The Plan notes that wireless broadband access is growing rapidly with "the emergence of broad new classes of connected devices and the rollout of fourth-generation (4G) wireless technologies such as Long Term Evolution (LTE) and WiMAX."[6] A specific goal of the Plan is that "[t]he United States should lead the world in mobile innovation, with the fastest and most extensive wireless networks of any nation." [7] In April 2011, the FCC issued a Notice of Inquiry concerning the best practices available to achieve wide-reaching broadband capabilities across the nation including better wireless access for the public.[8] The public need for timely deployment of wireless infrastructure is further supported by the FCC's Declaratory Ruling interpreting § 332(c)(7)(B) of the Telecommunications Act and establishing specific time limits

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[3] Cong. Rec. H459 (Jan. 25, 2011), also *available at* http://www.whitehouse.gov/the-press-office/2011/01/25/remarks-president-state-union-address. Specifically the President stressed that in order "[t]o attract new businesses to our shores, we need the fastest, most reliable ways to move people, goods, and information—from high-speed rail to high-speed Internet."

[4] Connecting America: The National Broadband Plan, Federal Communications Commission (2010), *available at* http://www.broadband.gov/plan/.

[5] Id. at XI.

[6] Id. at 76.

[7] Id. at 25.

[8] FCC 11-51: Notice of Inquiry, In the Matter of Acceleration of Broadband Deployment: Expanding the Reach and Reducing the Cost of Broadband Deployment by Improving Policies Regarding Public Rights of Way and Wireless Facilities Siting, available at http://transition.fcc.gov/Daily_Releases/Daily_Business/2011/db0407/FCC-11-51A1.pdf.

for decisions on land use and zoning permit applications.[9] More recently, the critical importance of timely deployment of wireless infrastructure to American safety and economy was confirmed in the Middle Class Tax Relief and Job Creation Act of 2012, which included a provision, Section 6409, that preempts a discretionary review process for eligible modifications of existing wireless towers or base stations.[10]

2. United States Wireless Usage Statistics

Over the past thirty years, wireless communications have revolutionized the way Americans live, work and play.[11] The ability to connect with one another in a mobile environment has proven essential to the public's health, safety and welfare. As of June 2012, there were an estimated 321.7 million wireless subscribers in the United States.[12] Wireless network data traffic was reported at 341.2 billion megabytes, which represents a 111% increase from the prior year.[13] Other statistics provide an important sociological understanding of how critical access to wireless services has become. In 2005, 8.4% of households in the United States had cut the cord and were wireless only.[14] By 2011, that number grew exponentially to an astonishing 35.8% of all households.[15] Connecticut in contrast lags behind in this statistic with 18.7% wireless only households.[16]

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[9] WT Docket No. 08-165- Declaratory Ruling on Petition for Declaratory Ruling to Clarify Provisions of Section 332(c)(7)(B) to Ensure Timely Siting Review and to Preempt Under Section 253 State and Local Ordinances that Classify All Wireless Siting Proposals as Requiring a Variance ("Declaratory Ruling").

[10] Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, §6409 (2012), available at http://gpo.gov/fdsys/pkg/BILLS-112hr3630enr/pdf/BILLS-112hr3630enr.pdf; see also H.R. Rep. No. 112-399 at 132-33 (2012)(Conf. Rep.), available at http://www.gpo.gov/fdsys/pkg/CRPT-112hrpt399/pdf/CRPT-112hrt399.pdf.

[11] See, generally, History of Wireless Communications, *available at* http://www.ctia.org/media/industry_info/index.cfm/AID/10388 (2011)

[12] CTIA's Wireless Industry Indices: Semi-Annual Data Survey Results, A Comprehensive Report from CTIA Analyzing the U.S. Wireless Industry, Mid-Year 2012 Results (Semi-Annual Data Survey Results). See also, "CTIA-The Wireless Association Semi-Annual Survey Reveals Historical Wireless Trend" *available at http://www.ctia.org/media/press/body.cfm/prid/2133.*

[13] *Id.*

[14] CTIA Fact Sheet (2011), *available at* http://www.ctia.org/media/industry_info/index.cfm/AID/10323 *citing* Early Release of Estimates from the National Health Interview Survey, January–June 2011. National Center for Health Statistics, released December 2011.

[15] CTIA Fact Sheet

[16] CTIA Fact Sheet

Wireless access has also provided individuals a newfound form of safety. Today, approximately 70% of *all* 9-1-1 calls made each year come from a wireless device.[17] Parents and teens have also benefited from access to wireless service. In a 2010 study conducted by Pew Internet Research, 78% of teens responded that they felt safer when they had access to their cell phone.[18] In the same study, 98% of parents of children who owned cell phones stated that the main reason they have allowed their children access to a wireless device is for the safety and protection that these devices offer.[19]

Wireless access to the internet has also grown exponentially since the advent of the truly "smartphone" device. Cisco reported in 2011 that global mobile data traffic grew in 2010 at a rate faster than anticipated and nearly tripling again for the third year in a row.[20] It was noted in 2010, mobile data traffic alone was three times greater than all global Internet traffic in 2000. Indeed, with the recent introduction of tablets and netbooks to the marketplace, this type of growth is expected to persist with Cisco projecting that mobile data traffic will grow at a compound annual growth rate (CAGR) of 92% from 2010 to 2015.[21]

3. Site Specific Public Need

The facility proposed in this Application is an integral component of AT&T's network in its FCC licensed areas throughout the state. There is a significant coverage deficiency in the existing AT&T wireless communications network along Routes 182 (Colebrook Road), 182A and 183 and Smith Hill Road and the surrounding land uses and areas in Colebrook. A deficiency in coverage is evidenced by the inability to adequately and reliably transmit/receive quality calls and/or utilize data services offered by the network. The proposed Facility, in conjunction with other existing facilities

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[17] Wireless 911 Services, FCC, *available at* http://www.fcc.gov/guides/wireless-911-services
[18] Amanda Lenhart, *Attitudes Towards Cell Phones*, Pew Research, *available at* http://www.pewinternet.org/Reports/2010/Teens-and-Mobile-Phones/Chapter-3/Overall-assessment-of-the-role-of-cell-phones.aspx
[19] Id.
[20] Cisco Visual Networking Index: Global Mobile Data Traffic Forecast Update, 2010–2015, February 1, 2011.
[21] Id.

in and around Colebrook are needed by AT&T to reliably provide its wireless services to people living in and traveling through this area of the state. Attachment 1 of this Application includes a Radio Frequency ("RF") Engineering Report with propagation plots and other information which identify and demonstrate the specific need for a facility in this area of the State to serve the public and meet its need and demand for wireless services.

B. Statement of Benefits

Carriers have seen the public's demand for traditional cellular telephone services in a mobile setting develop into a requirement for anytime-anywhere wireless connectivity with critical reliance placed on the ability to send and receive, voice, text, image and video. Provided that network service is available, modern devices allow for interpersonal and internet connectivity, irrespective of whether a user is mobile or stationary, which has led to an increasing percentage of the population to rely on their wireless devices as their primary form of communication for personal, business and emergency needs. The proposed facility would allow AT&T and other carriers to provide these benefits to the public that are not offered by any other form of communication system.

Moreover, AT&T will provide "Enhanced 911" services from the Facility, as required by the Wireless Communications and Public Safety Act of 1999, Pub. L. No. 106-81, 113 Stat. 1286 (codified in relevant part at 47 U.S.C. § 222) ("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 able to help 911 public safety dispatchers

identify wireless callers' geographical locations within several hundred feet, a significant benefit to the community associated with any new wireless site.

In 2009, Connecticut became the first state in the nation to establish a statewide emergency notification system. The CT Alert ENS system utilizes the state Enhanced 911 services database to allow the Connecticut Department of Homeland Security and Connecticut State Police to provide targeted alerts to the public and local emergency response personnel alike during life-threatening emergencies, including potential terrorist attacks, Amber Alerts and natural disasters. Pursuant to the Warning, Alert and Response Network Act, Pub. L. No. 109-437, 120 Stat. 1936 (2006) (codified at 47 U.S.C. § 332(d)(1) (WARN), the FCC has established the Personal Localized Alerting Network (PLAN). PLAN will require wireless service providers to issue text message alerts from the President of the United States, the U.S. Department of Homeland Security, the Federal Emergency Management Agency and the National Weather Service using their networks that include facilities such as the one proposed in this Application. Telecommunications facilities like the one proposed in this Application enable the public to receive e-mails and text messages from the CT Alert ENS system on their mobile devices. The ability of the public to receive targeted alerts based on their geographic location at any given time represents the next evolution in public safety, which will adapt to unanticipated conditions to save lives.

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. Closing the coverage gap in this area of the State requires technology that can reach a coverage footprint that spans thousands of acres. Repeaters, microcell transmitters, distributed antenna systems (DAS) and other types of transmitting technologies are not a practicable or feasible means to providing service within the service area for this site. These technologies are better suited for specifically defined areas where new coverage is

necessary, such as commercial buildings, shopping malls, and tunnels or highway and urban capacity. Accordingly, AT&T has determined that DAS, repeaters, microcell transmitters and other types of transmitting technologies are not viable as an alternative to the need for a macrocell site in this area of the State. The Applicants submit that there are no effective technological alternatives to construction of a new cell site facility for providing reliable personal wireless services in this area of Connecticut.

IV. Site Selection & Tower Sharing

A. Site Selection

AT&T's investigation of the area has been guided by benchmark data on gaps in its wireless coverage in Colebrook that was used to establish a "site search area" for the placement of a new facility. This site search area is the general geographical location where the installation of a wireless facility would address an identified service problem while still allowing for orderly integration of a site into AT&T's network, based on the engineering criteria of hand-off, frequency reuse and interference and physical terrain in the area.

In any site search area, AT&T seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of a needed facility, while at the same time ensuring the quality of service provided by the site to users of its network. There are four (4) existing communications facilities located within approximately four (4) miles of the proposed Facility. (See Attachment 2 for a list of the existing facilities). AT&T already uses all of these existing sites to provide service to areas outside of the area where service is needed.

Representatives for AT&T identified 20 sites for a potential tower in and around the search area and ultimately identified the proposed site at 522 Colebrook Road (Route 183) as one which could host a Facility and provide reliable service to the targeted coverage area. (See

Attachment 2 for the sites investigated). AT&T's search for suitable sites included several Town-owned locations, however, none met AT&T's coverage objectives.

B. Tower Sharing

To maximize co-location opportunities and minimize the potential for towers needed by other carriers, the proposed facility will be designed to accommodate at least three additional carriers' antennas and ground equipment.

V. Facility Design

AT&T has leased a 100' x 100' area in the southeast portion of an approximately 73.1 acre parcel of property owned by Wheeler Limited Liability Partnership located at 522 Colebrook Road (Route 183). The proposed Facility would consist of a 120' AGL high self-supporting monopole within a 75' x 75' fenced equipment compound. AT&T would install up to twelve (12) panel antennas on a platform at a centerline height of 117'AGL and unmanned equipment in an equipment shelter located within an equipment compound. The equipment compound would be enclosed by an 8' chain link fence. Both the monopole and the equipment compound are designed to accommodate the facilities of three other wireless carriers and equipment. Vehicle access to the facility will be provided from Smith Hill Road over a new approximately 1,337' long by 12' wide gravel drive extension. Utility connections will be routed underground from an existing utility pole on Smith Hill Road to provide necessary power and telecommunication service to the proposed facility. Attachment 3 to this Application contains the specifications for the proposed Facility including site access maps, a compound plan, tower elevation, and other relevant details of the proposed Facility. Also included is a Visibility Analysis and information related to the Environmental Assessment of the proposed Facility. Some of the relevant information included in Attachments 3 through 6 reveals that:

- The property is classified locally in the R-2 residential and Village District zoning district;
- Some grading of the access drive and some clearing of the proposed compound area and access drive 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;
- Topography and vegetation screen visibility of the tower from a large portion of the viewshed analysis study area;
- The proposed Facility will not be visible from The Colebrook Consolidated School, and
- Approximately 45 acres within the 8,042 acre Study Area, or less than 1%, may have some visibility of the proposed Facility above the tree canopy year-round (during both "leaf-off" and "leaf-on" conditions).

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, fish and wildlife and aesthetic or scenic neighborhood qualities. As demonstrated in this Application and the accompanying Attachments and documentation, the proposed Facility will not have a significant adverse environmental impact.

A. Visual Assessment

It is anticipated that the proposed 120' AGL monopole will be visible year-round from approximately 45 acres or less than 1% of the 8,053 acre Study Area. As demonstrated in the Visibility Analysis included in Attachment 5, the majority of year-round visibility would occur

on the Site with some year-round visibility limited to a short section along the crest of Stillman Road approximately 0.8 miles southwest of the proposed Facility over agricultural fields. The Visibility Analysis estimates that the proposed Facility may be visible from an additional 23 acres during "leaf-off" conditions. As noted in the Visibility Analysis, these areas are located within the immediate vicinity of the Site and along a short section of Route 183 north of the Town center. The Visibility Analysis indicates that the balloon was not visible from this area, but that partial views through the trees during leaf-off conditions may occur. This area is located approximately 0.75 mile from the proposed Facility. The proposed Facility is not located within 250 feet of a school or commercial day-care center and no views are expected from the Colebrook Consolidated School on Smith Hill Road.

Weather permitting, AT&T will raise a balloon with a diameter of at least three (3) feet at the proposed Facility site on the day of the Council's first hearing session on this Application, or at a time otherwise specified by the Council.

B. Solicitation of State and Federal Agency Comments

Various consultations with municipal, State and Federal governmental entities and AT&T consultant reviews for potential environmental impacts are summarized and included in Attachments 6 and 7. 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") and Department of Energy and Environmental Protection ("DEEP").

SHPO determined that there will be no impact on historical resources as long as the facility is designed to be as non-visible as possible. Upon review, the DEEP determined that the proposed Facility will not impact any known extant populations of Federal or State Endangered, Threatened or Special Concern Species. Copies of SHPO and DEEP correspondence are

included in Attachment 6. As required, this Application is being served on State and local agencies which may choose to comment on the Application as part of the Council's application process.

C. Power Density

In August 1996, the FCC adopted a standard for exposure to Radio Frequency ("RF") emissions from telecommunications facilities like the one proposed in this Application. To ensure compliance with applicable standards, a maximum power density report was prepared by AT&T for the proposed Facility and is included in Attachment 4. As demonstrated in this report, the calculated worst-case emissions from the proposed Facility are just 10.88% of the Federal MPE standard.

D. Other Environmental Factors

The proposed Facility would be unmanned, requiring monthly maintenance visits approximately one hour long. AT&T's equipment would be monitored 24 hours a day, seven days a week from a remote location. The Facility requires neither water supply nor wastewater utilities. No outdoor storage or solid waste receptacles will be needed. Further, the Facility will not 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 an on-site diesel fuel 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 he Candidate Facility would require registration with the Federal Aviation Administration ("FAA"). The TOWAIR program results for the proposed Facility, included in Attachment 4, indicates that registration with the FAA is not required let alone FAA review as a potential air navigation obstruction or hazard. As

such, no FAA lighting or marking would be required for the Facility 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 proposed 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.

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

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

A. Colebrook's Plan of Conservation and Development

The Colebrook Town Plan of Conservation and Development, dated September 2004, does not address wireless facilities. Nevertheless, it is respectfully submitted that the proposed Facility will enhance the Town's goals of fostering economic development, particularly home business and agricultural activities by providing the benefits of wireless service. See Bulk Filing.

B. Colebrook's Zoning Regulations and Zoning Classification

The proposed site is classified in the Town of Colebrook's R-2 residential and Village District zoning districts. The Town of Colebrook Zoning Regulations do not include any specific requirements for wireless telecommunication facilities and notes the Siting Council's

jurisdiction in the Table of Permitted Uses. (See Town of Colebrook Zoning Regulations, Applicant's Bulk Filing).

C. Planned and Existing Land Uses

Properties immediately surrounding the subject site include low-density single family residential homes, agricultural uses, and Colebrook Consolidated School District property. Consultation with municipal officials did not indicate any planned changes to the existing or surrounding land uses. A copy of the Town's Zoning Map is included in the accompanying Bulk Filing.

D. Colebrook's Inland Wetlands and Watercourses Regulations

The Town of Colebrook's Inland Watercourses Regulations ("Local Wetlands Regulations") regulate certain activities conducted in "Wetlands" and "Watercourses" and "Buffer Areas" as defined therein. Wetlands are delineated on the property as detailed in the Wetlands Investigation report included in Attachment 4. The Town of Colebrook upland review area includes those areas 100' from a wetland or watercourse. APT soil scientists conducted an inspection of the subject property to determine the presence or absence of wetlands and watercourses within approximately 200 feet of proposed development activities ("Study Area") and prepared a Preliminary Wetland Impact Analysis ("Wetland Analysis") which is included in Attachment 4. The Wetlands Analysis indicates that five wetland areas were delineated within the Study Area consisting of four hillside seep and depressional wetland systems and an intermittent stream adjacent to Smith Hill Road.

A detailed description of each wetland is provided in the Wetland Analysis included in Attachment 4. A summary evaluation of wetland functions and values was lead by Dean Gustafson, a Senior Wetland Scientist with over 25 years of experience, using a qualitative

evaluation methodology based on The Highway Methodology Workbook Supplement, Wetland Functions and Values: A Descriptive Approach issued by the US Army Corps of Engineers New England District, September 1999. The subject wetlands are all classified as "headwater wetlands" due to their location in the highest reach of the watershed and association with a first order intermittent watercourse. Of note, Wetlands 2 and 3 potentially support vernal pool habitat.

The Wetland Analysis finds that the proposed activities will not result in adverse impacts to wetland resources. The proposed Facility design minimizes the area of wetland impact associated with the proposed crossing, avoiding impact to Wetland 3 in an area potentially supporting vernal pool habitat and increasing the buffer to Wetland 2. Importantly, the Wetland Analysis concludes that the permanent and secondary wetland impacts of the proposed Facility will not result in likely adverse impacts to the principal wetland functions and values.

Short-term wetland impacts associated with construction of the proposed Facility would be minimized by following specific protection measures, provided in the Wetland Analysis, to avoid unintentional impacts to wetlands or mortality to vernal pool herptofauna during construction. These measures include the isolation of the perimeter/limits of construction, inspection and maintenance of isolation structures, herptofauna sweeps, education of contractors and sub-contractors prior to initiation of construction activities, protective measures and reporting. Short term protective measures also include installation and maintenance of erosion and sedimentation controls in accordance with 2002 Connecticut Guidelines For Soil Erosion and Sediment Control, as established by the Council of Soil and Water Conservation.

Long-term temporary wetland impacts are minimized by the unoccupied nature of the Facility and limited traffic generated by routine maintenance visits (approximately once per

month for AT&T). Furthermore, the relatively minor wetland impact (710± square feet of permanent impact) proposed for crossing of this drainage ditch type feature is not considered to result in a likely adverse impact to this resource. To compensate for unavoidable direct wetland impacts and indirect impact to wetlands (i.e., the wetland buffer), particularly in proximity to wetlands which may provide vernal pool habitat, APT developed comprehensive wetland mitigation plan incorporating both measures to be implemented during construction as well as enhancements to wetland buffer areas disturbed by the proposed development. The details of the proposed wetland mitigation plan is provided as part of the Wetland Analysis in Attachment 4.

Notably, the proposed protection program is consistent with Mr. Gustafson's recommendations previously accepted by the Connecticut Siting Council in other Dockets. *See*, Docket Numbers 397, 402 and 412. The project will result in relatively minimal direct and secondary wetland impacts and in light of the mitigation measures which would be incorporated into any final Development and Management plan. In short, no likely adverse impact to wetland resource areas would occur as a result of development of the proposed Facility.

VIII. Consultation with Local Officials

A technical consultation process regarding the proposed Facility with the Town of Colebrook was commenced in February 2011. As part of that consultation, a public information meeting was held on April 4, 2011, where representatives of AT&T presented the proposed Facility and answered questions from the members of the community and local officials in attendance. Subsequent to the community meeting, a noticed balloon float was conducted in April 2011. Shortly thereafter, AT&T deferred filing an application for the proposed Facility.

Earlier this year, AT&T funded continuation of the application process for the proposed Facility and representatives contacted the First Selectman to advise him that the proposed Facility was being pursued. Given that the design of the proposed Facility remained essentially

the same as in 2011[22] and that no new tall structures were constructed in the area since 2011, copies of the 2011 technical report were resubmitted to the First Selectman, Planning & Zoning and Inland Wetlands Commissions and Land Use Administrator on April 12, 2013. The April 12, 2013 submission also included a copy of the 2011 visual report that was updated with information from the 2011 balloon float. A second noticed balloon float was also conducted on May 10, 2013.

Upon review and consultation with the Board of Selectman, the First Selectman advised that the Town did not consider a public information meeting necessary given that the Town was familiar with the proposed Facility from the prior 2011 informational meeting and that no major changes to the Facility are proposed. In separate correspondence, the Colebrook Historical Society and Conservation Commission expressed concern regarding visibility of the proposed Facility on the Historic District. It should be noted that the Visibility Analysis conservatively estimates that distant views through trees from limited viewpoints within the Historic District may be achieved during "leaf-off" conditions. Writing on behalf of the Board of Selectman, the First Selectman requested that the proposed Facility resemble a tree as visual mitigation. Copies of correspondence with the Town are provided in Attachment 7.

IX. Estimated Cost and Schedule

A. Overall Estimated Cost

The total estimated cost of construction for the proposed Facility is as follows:

Tower & Foundation	$ 90,000
Site Development	$ 75,000
Utility Installation	$ 70,000
Facility Installation	$ 90,000
Antennas and Equipment	$ 250,000
Total	$ 575,000

[22] The 2011 Technical Report showed access from Smith Hill Road. In 2011 access was changed to Colebrook Road. Then, in 2013, access was switched back to Smith Hill Road to address concerns raised by the neighbors.

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 Colebrook. The site preparation phase for the Facility is expected to be completed within three (3) to four (4) weeks. Installation of the monopole, antennas and associated equipment is expected to take an additional two (2) weeks. The duration of the total construction schedule is approximately six (6) weeks. Facility integration and system testing is expected to require an additional two (2) weeks after the construction is completed.

X. Conclusion

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

Respectfully submitted,

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Christopher B. Fisher, Esq.
Cuddy & Feder LLP
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White Plains, New York 10601
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ATTACHMENT 1

Radio Frequency Analysis Report

SR 1765 Colebrook

July 10, 2013

C Squared Systems, LLC
65 Dartmouth Drive, A3
Auburn, NH 03032

Phone: (603) 644-2800
Fax: (603) 644-2801
Support@csquaredsystems.com

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1. Overview

C Squared Systems was retained by New Cingular Wireless PCS, LLC ("AT&T") to investigate the extent of coverage that could be potentially obtained by constructing the proposed wireless communications facility at 522 Colebrook Road in Colebrook, CT at 120 feet AGL.

AT&T is licensed by the FCC to provide wireless communications services throughout the State of Connecticut including the Town of Colebrook where the proposed facility would be located.

This report addresses AT&T's need for a facility in this area and analyzes the proposed site to address the coverage gaps in their wireless communications network. C Squared Systems has reviewed and conducted this coverage analysis that confirms AT&T has a gap in reliable service that exists in Colebrook, and that the Proposed Facility provides AT&T with coverage in that service gap. Included as attachments in this report are coverage maps detailing the existing network and expected coverage from the proposed facility, along with additional terrain and network layout maps.

2. Coverage Objective

There is a significant coverage deficiency in the existing AT&T wireless communications network along Routes 182, 182A, 183 and Smith Hill Road, and the surrounding roads and areas in Colebrook. A deficiency in coverage is evidenced by the inability to adequately and reliably transmit/receive quality calls and/or utilize data services offered by the network. Seamless reliable coverage provides users with the ability to successfully originate, receive, and maintain quality calls and/or utilize data applications throughout a service area. Overlapping coverage is required for users to be able to move throughout the service area and reliably "hand-off" between cells to maintain uninterrupted calls.

Due to terrain characteristics and the distance between the targeted coverage area and the existing sites, AT&T's options to provide services in this area are quite limited (maps of the terrain in this area and the distance to neighboring AT&T sites from the proposed site are included as Attachments 1 & 2, respectively.) AT&T's network requires deployment of antennas throughout the area to be covered, which are connected to receivers and transmitters that operate in a limited geographic area known as a "cell." AT&T's wireless network, including their wireless handsets and devices, operate by transmitting and receiving low power radio frequency signals to and from these cell sites. The signals are transferred to and from the landline telephone network and routed to their destinations by sophisticated electronic equipment. The size of the area served by each cell site is dependent on several factors, including the number of antennas used, the height at which the antennas are deployed, the topography of the land, vegetative cover and natural or man-made obstructions in the area. As customers move throughout the service area, the transmission from the portable devices is automatically transferred to the AT&T facility with the best connection to the device, without interruption in service provided that there is overlapping coverage from the cells.

In order to define the extent of the coverage gap to be filled, both propagation modeling and real-world drive testing has been conducted in the area of Colebrook. Propagation modeling uses PC software to determine the network

coverage based on the specific technical parameters of each site including, but not limited to, location, ground elevation, antenna models, antenna heights, and also databases of terrain and ground cover in the area. Drive testing consists of traveling along area roadways in a vehicle equipped with a sophisticated setup of test devices and receivers that collect a variety of network performance metrics. The data are then processed and mapped in conjunction with the propagation modeling to determine the coverage gaps.

Analysis of the propagation modeling and drive testing in Colebrook reveal that AT&T's network is unreliable throughout much of the area due to gaps in coverage, and that there is a service deficiency as a result. In order to fill in these coverage gaps and improve the network reliability to Colebrook, a new facility is needed in the area.

Table 1 below approximates the current coverage gap in the vicinity of the proposed site.

		Existing Coverage Gap
Population:[1]	"In-Building" (≥ -74 dBm)	964
	"In-Vehicle" (≥ -82 dBm)	748
Area (mi²):	"In-Building" (≥ -74 dBm)	20.5
	"In-Vehicle" (≥ -82 dBm)	14.8
Roadway (mi):	Main:	9.7
	Secondary:	21.2
	Total:	30.9

Table 1: Estimated Existing Coverage Gap Statistics

[1] 2010 US Census Block Data

Included with this report are Attachments 1-8, which are explained below to help describe AT&T's network in and around Colebrook, and the need for the proposed facility.

- Attachment 1: *3D Terrain Map* details the terrain features around the area of deficient service being targeted by the proposed site in Colebrook. These terrain features play a key role in determining site designs and dictating the unique coverage achieved from a given location. This map is included to provide a visual representation of the ridges and valleys that must be considered when siting a wireless facility. The darker green and blue shades correspond to lower elevations, whereas the yellow and orange shades indicate higher elevations.

- Attachment 2: *Map of Distance to Neighbor Sites – Colebrook* provides an overview of AT&T's network of sites in the area, with distances shown from the proposed Colebrook site to the existing, future or proposed sites in the surrounding area.

- Attachment 3: *Neighbor Site Data and Distance to Proposed Site* provides site specific information of existing neighboring sites used to perform the coverage analysis provided in Attachments 4 and 5.

- Attachment 4: *"Existing Coverage"* depicts coverage from existing sites and demonstrates that there are currently gaps in coverage effecting service along, and the surrounding neighborhoods. The coverage gaps are where the signal strength is < -82 dBm required for reliable in-vehicle coverage and < -74 dBm for in-building reliability. In an effort to provide the required level of coverage to these areas, AT&T is proposing to install a wireless facility at the proposed location.

- Attachment 5: *"Existing & Proposed Coverage with Colebrook site"* shows how this proposed site would fill in the existing coverage gaps and improve AT&T's network in this area (before the coverage of the future sites is added).

- Attachment 6: *"Existing & Future Coverage with Colebrook site"* shows how the future sites would contribute to filling in the existing coverage gaps and improve AT&T's network in this area (in the absence of the proposed site). AT&T currently has two other sites in the future build plan for this area:

    - SR1175: On Norfolk Road in Winchester. A monopine with an available height of 140 feet AGL

    - SR1176: On Greenwood Road East in Norfolk. A monopole with an available height of 177 feet AGL

- Attachment 7: *"Existing, Proposed & Future Coverage with Colebrook site"* shows how this proposed site would fill in the existing coverage gaps and improve AT&T's network in this area (once the coverage of the future sites is added).

- Attachment 8: *Connecticut DOT Average Annual Daily Traffic Data* shows the available vehicular traffic volume data for the subject area from the Connecticut Department of Transportation. This data shows as many as 1300 vehicles per day passing through the subject area on Route 183, by the intersection with Route 182A.

Table 2 below lists the coverage statistics that were compiled for the proposed site:

		Incremental Coverage from Proposed Site
Population Coverage:[2]	"In-Building" (≥ -74 dBm)	372
	"In-Vehicle" (≥ -82 dBm)	477
Area Covered (mi²):	"In-Building" (≥ -74 dBm)	7.7
	"In-Vehicle" (≥ -82 dBm)	9.3
Roadway Coverage (mi):	Main:	7.3
	Secondary:	14.1
	Total:	21.4

Table 2: Coverage Statistics

[2] 2010 US Census Block Data

3. Conclusion

AT&T has identified an area of deficient coverage affecting a significant portion of Colebrook, including key traffic corridors through Town. The proposed Colebrook facility provides AT&T with needed coverage to this deficient area, including significant portions of Routes 182, 182A and 183 and Smith Hill Road.

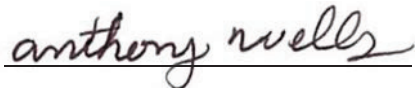
No existing structures were identified and available to provide the coverage requirements needed for this area. The location and the minimum height selected were chosen to achieve an optimal balance between meeting coverage objectives, overcoming the tree line for signal propagation, minimizing the aesthetic impact to the community, and future collocation.

As discussed in this report and depicted in the attached plots, the proposed AT&T site will provide the public need for service in this area, by providing an appropriate coverage footprint for the Colebrook community along with effective connectivity to the rest of AT&T existing network.

Without a site in this area, at the height requested, significant gaps in service will exist within the Town of Colebrook, and the identified public need for reliable wireless services in this area will not be met.

4. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate.

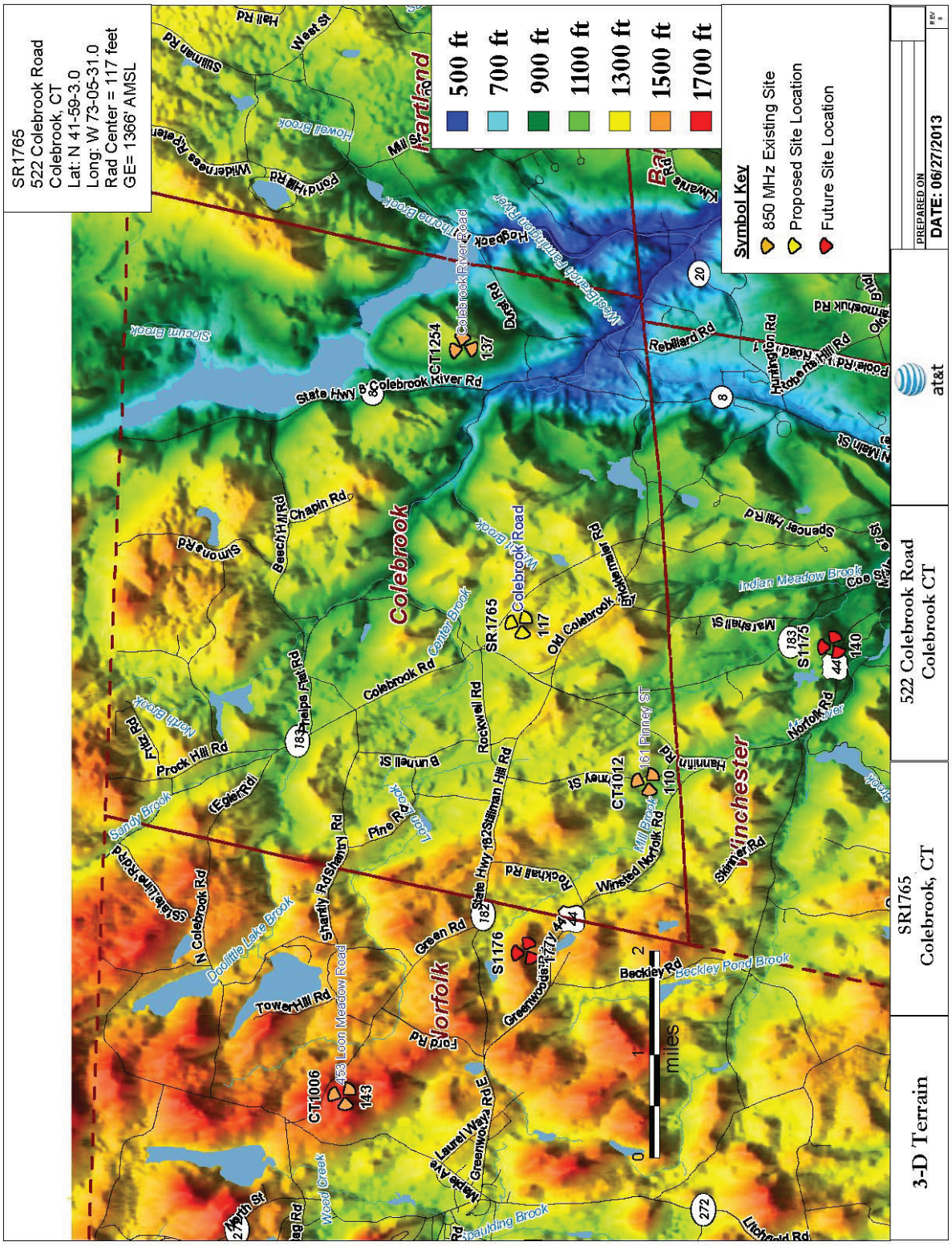


Anthony Wells
C Squared Systems, LLC

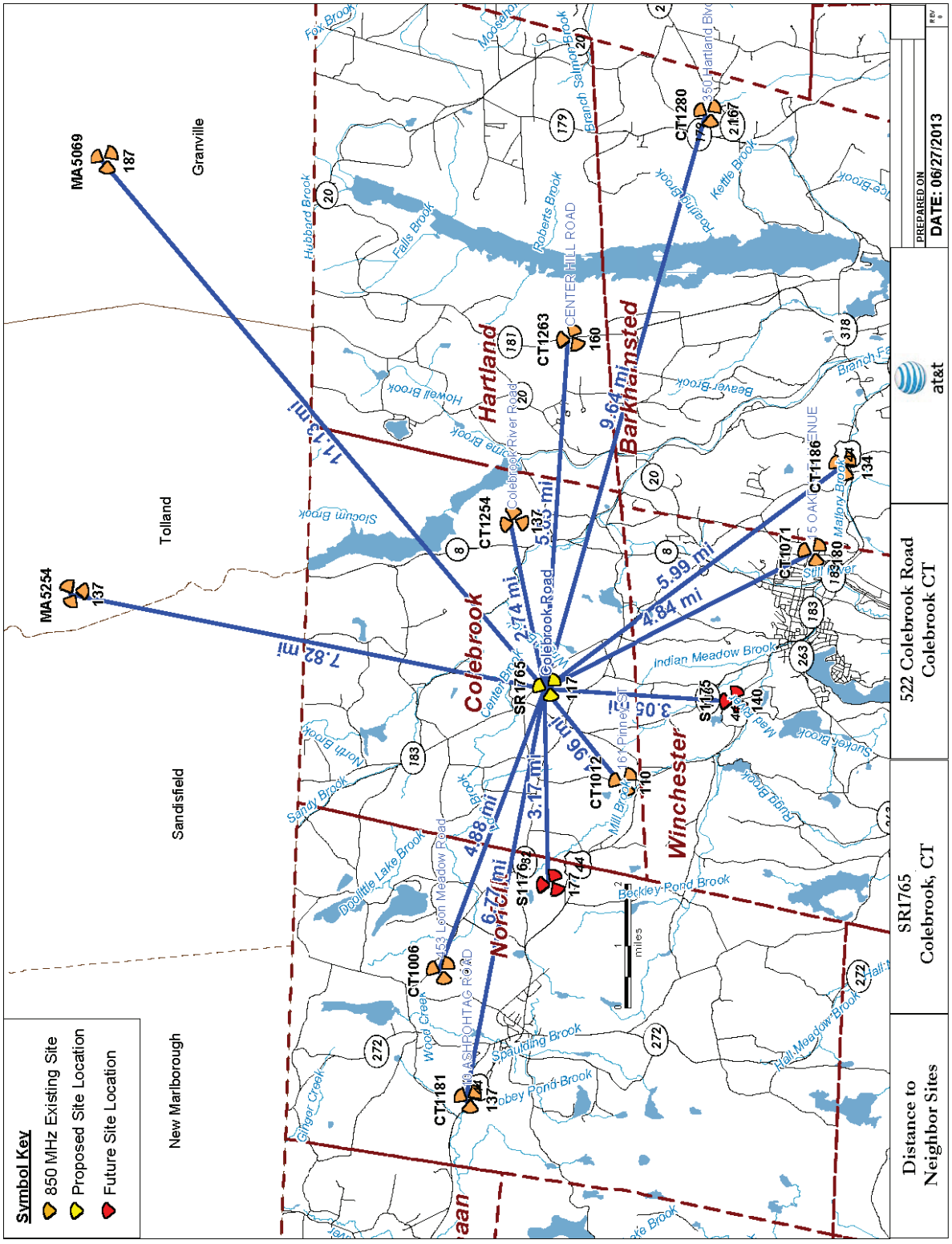
July 10, 2013

Date

5. Attachments



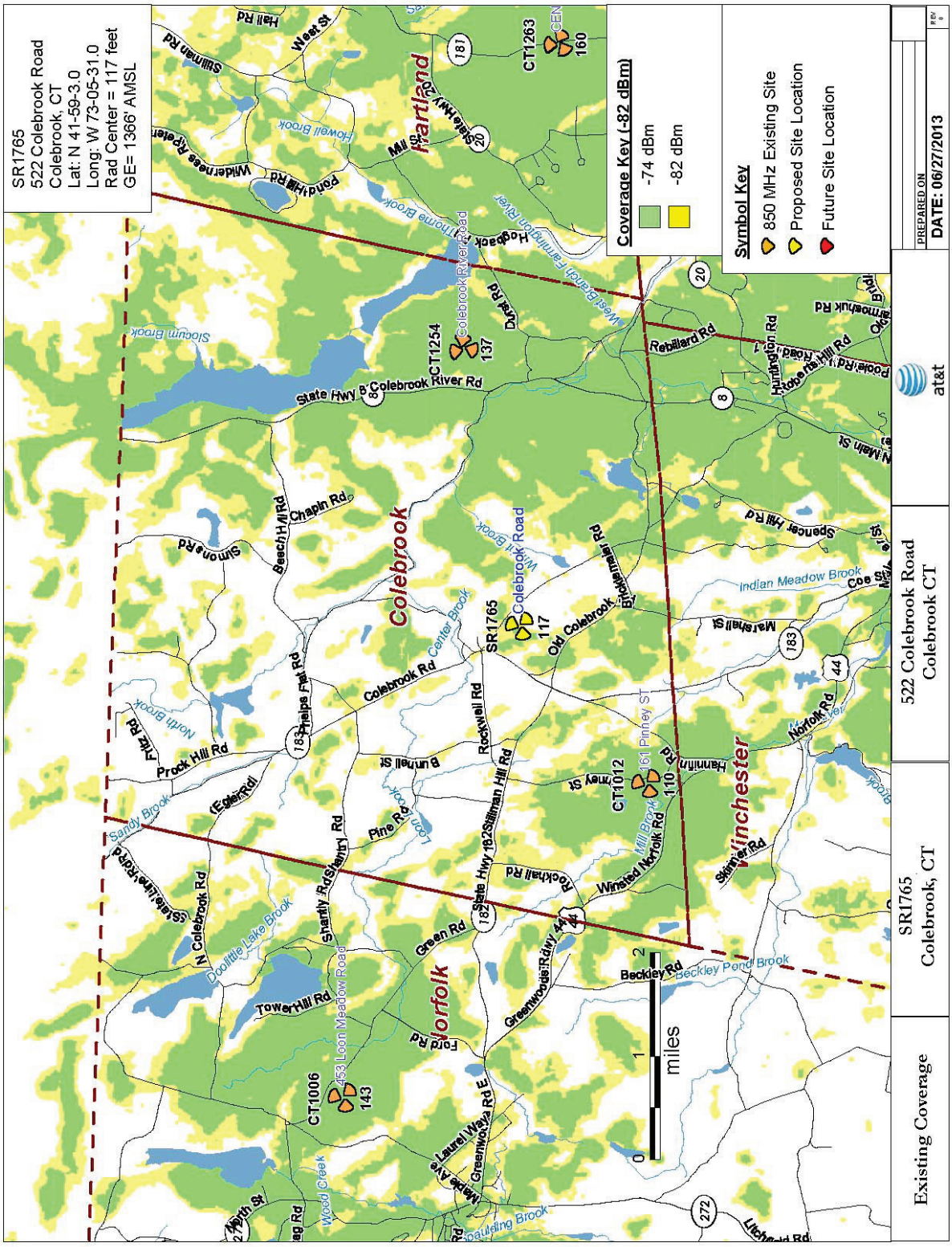
Attachment 1: 3D Terrain Map



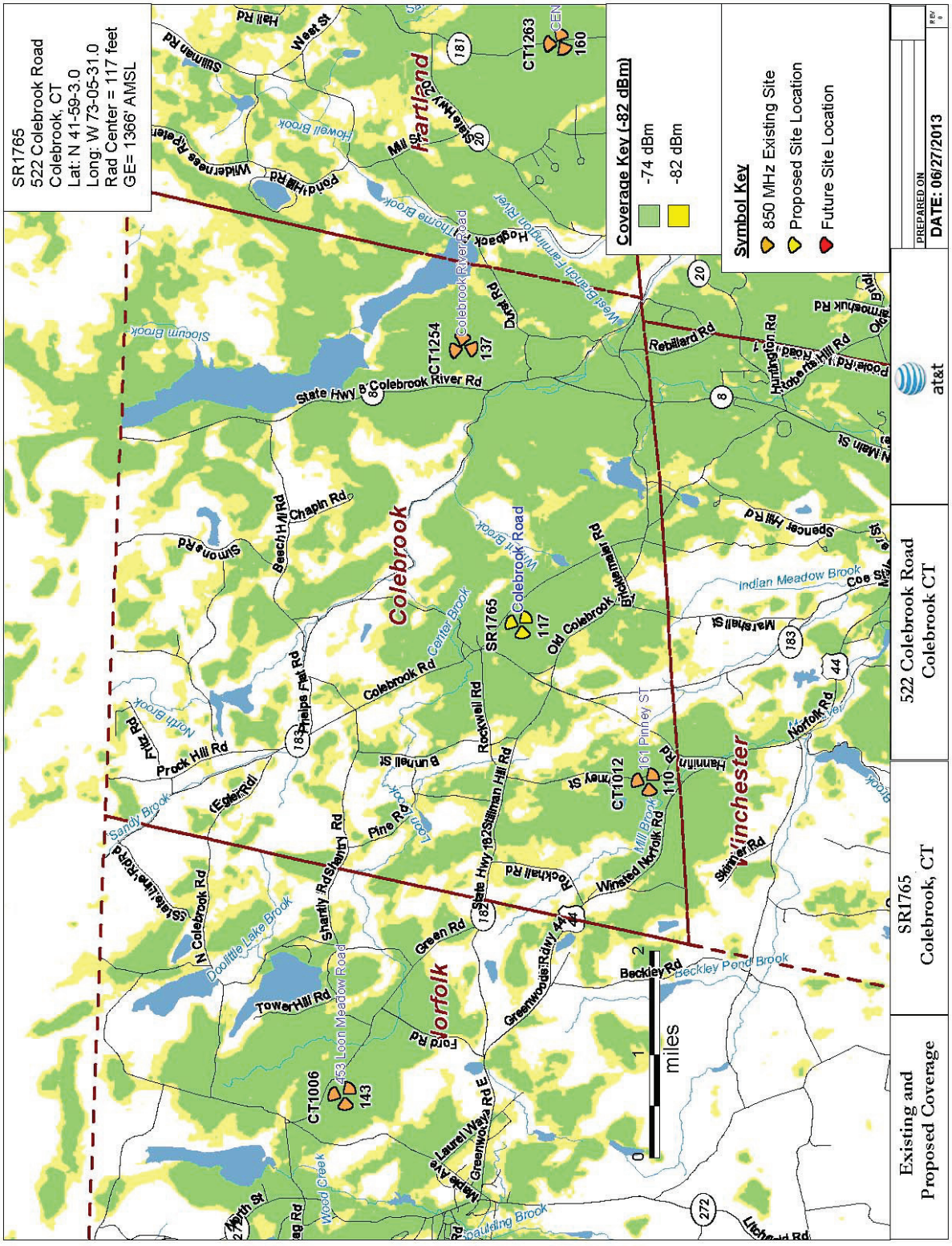
Attachment 2: Map of Distance to Neighbor Sites – Colebrook

Site Name	Address	Town	Latitude	Longitude	Antenna Centerline (feet)	Distance to Proposed Site (miles)	Structure Type	Ground Elevation (feet)
CT1006	453 Loon Meadow Road	Norfolk	42.0091	-73.1809	143	4.88	Monopole	1670
CT1012	161 Pinney St	Colebrook	41.9664	-73.1217	110	1.96	Monopole	1227
CT1071	15 Oakdale Avenue	Winchester	41.9217	-73.0495	180	4.84	Monopole	1075
CT1181	10 Ashpohtag Road	Norfolk	42.0027	-73.2214	137	6.77	Monopole	987
CT1254	Colebrook River Road	Colebrook	41.9922	-73.0397	137	2.74	Monopole	1163
CT1263	Center Hill Road	West Hartland	41.9788	-72.9822	160	5.65	Lattice	1221
CT1280	350 Hartland Blvd	Hartland	41.9461	-72.9115	167	9.64	Monopole	1138
CT1186	5 Old Farm Road	Barkhamsted	41.9145	-73.0223	134	5.99	Monopole	816
SR1175	Norfolk Road	Winchester	41.9402	-73.0959	140	3.05	Monopine	1145
SR1176	Greenwood Road East	Norfolk	41.9833	, -73.1536	177	3.17	Monopole	1476
MA5254	1 East Otis Road	Tolland MA	42.0952	-73.0623	137	7.82	Lattice	1456
MA5069	156 North Lane Road	Granville MA	42.0879	-72.9261	187	11.13	Lattice	1419

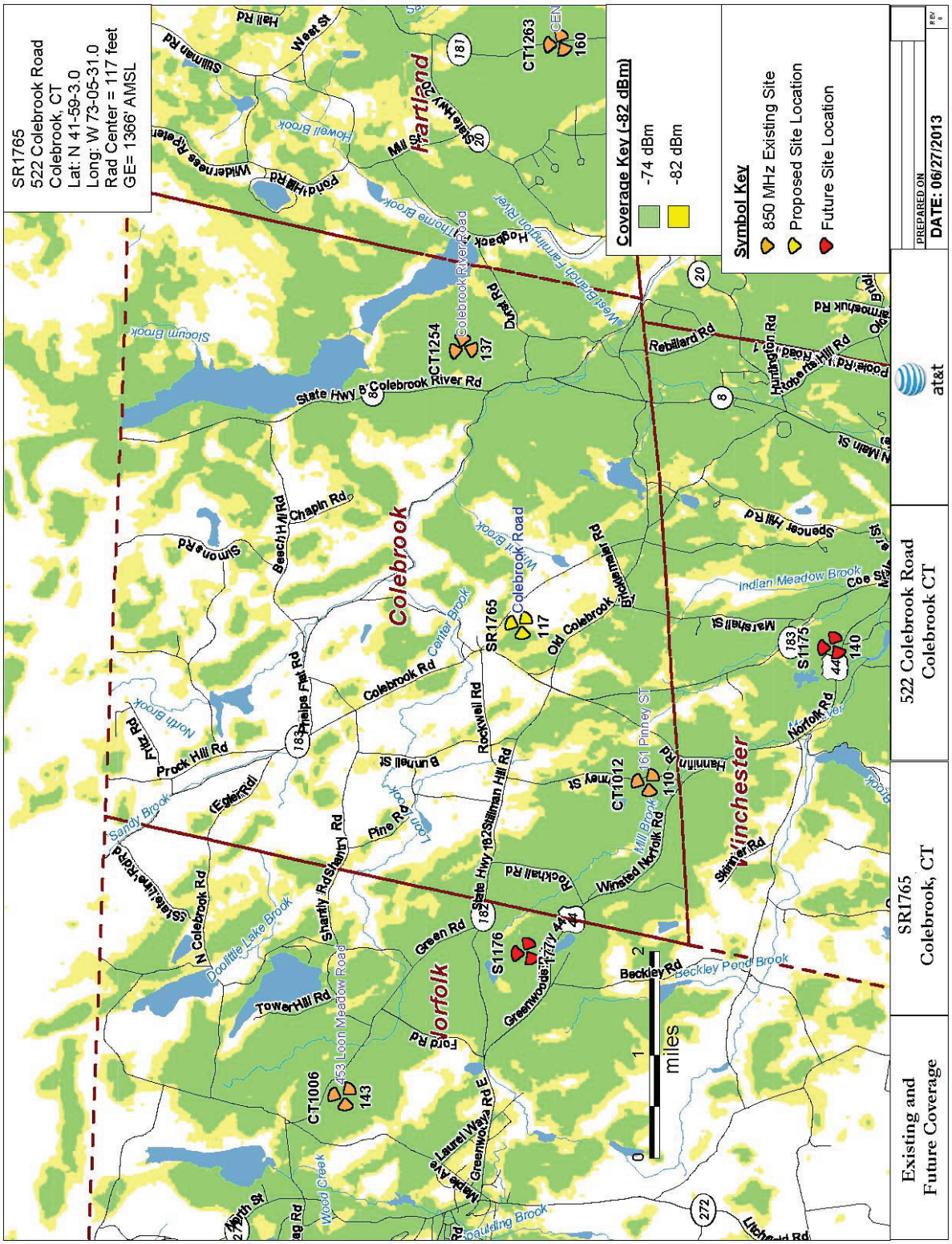
Attachment 3: Neighbor Site Data and Distance to Proposed Site



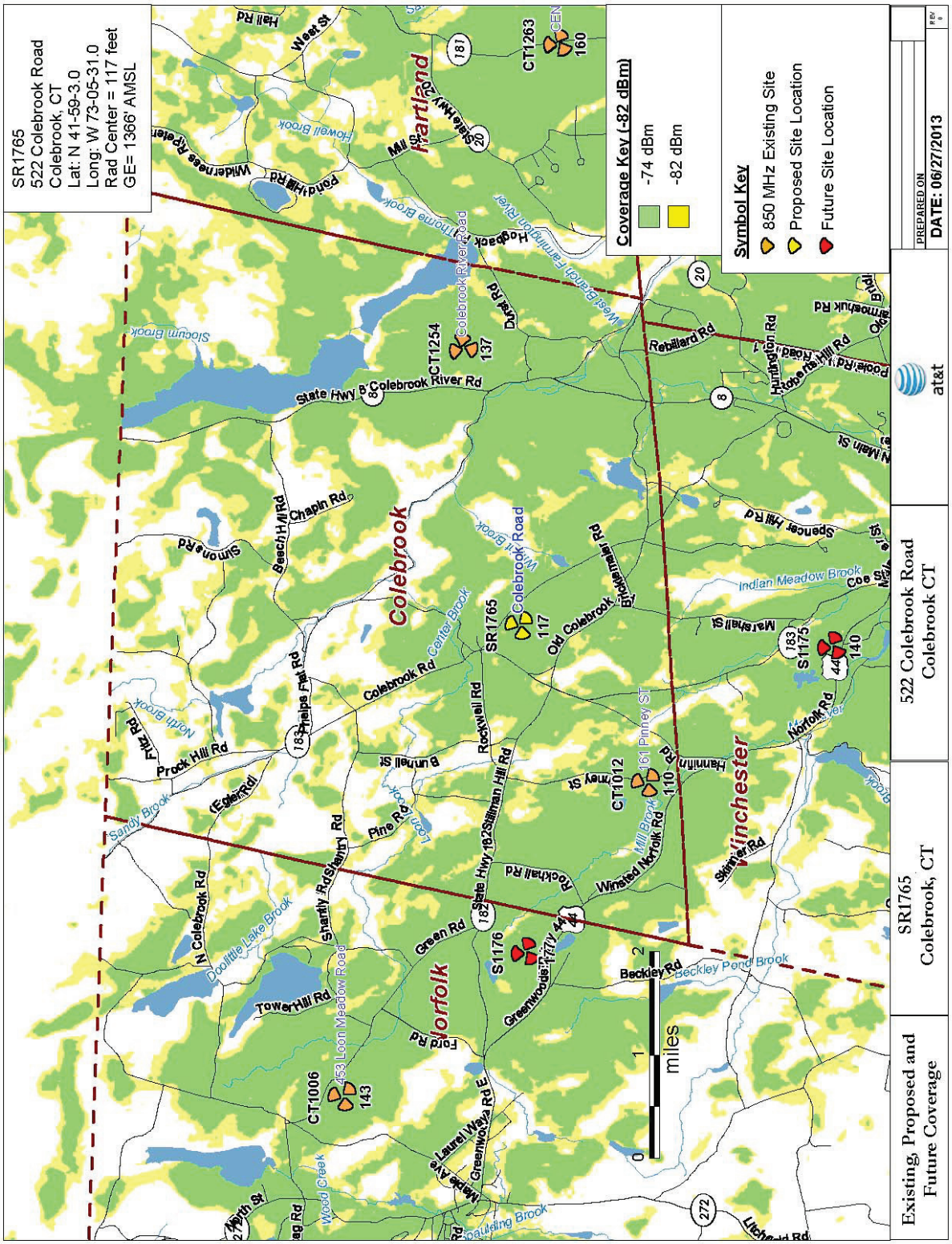
Attachment 4: "Existing Coverage" for the Current AT&T network



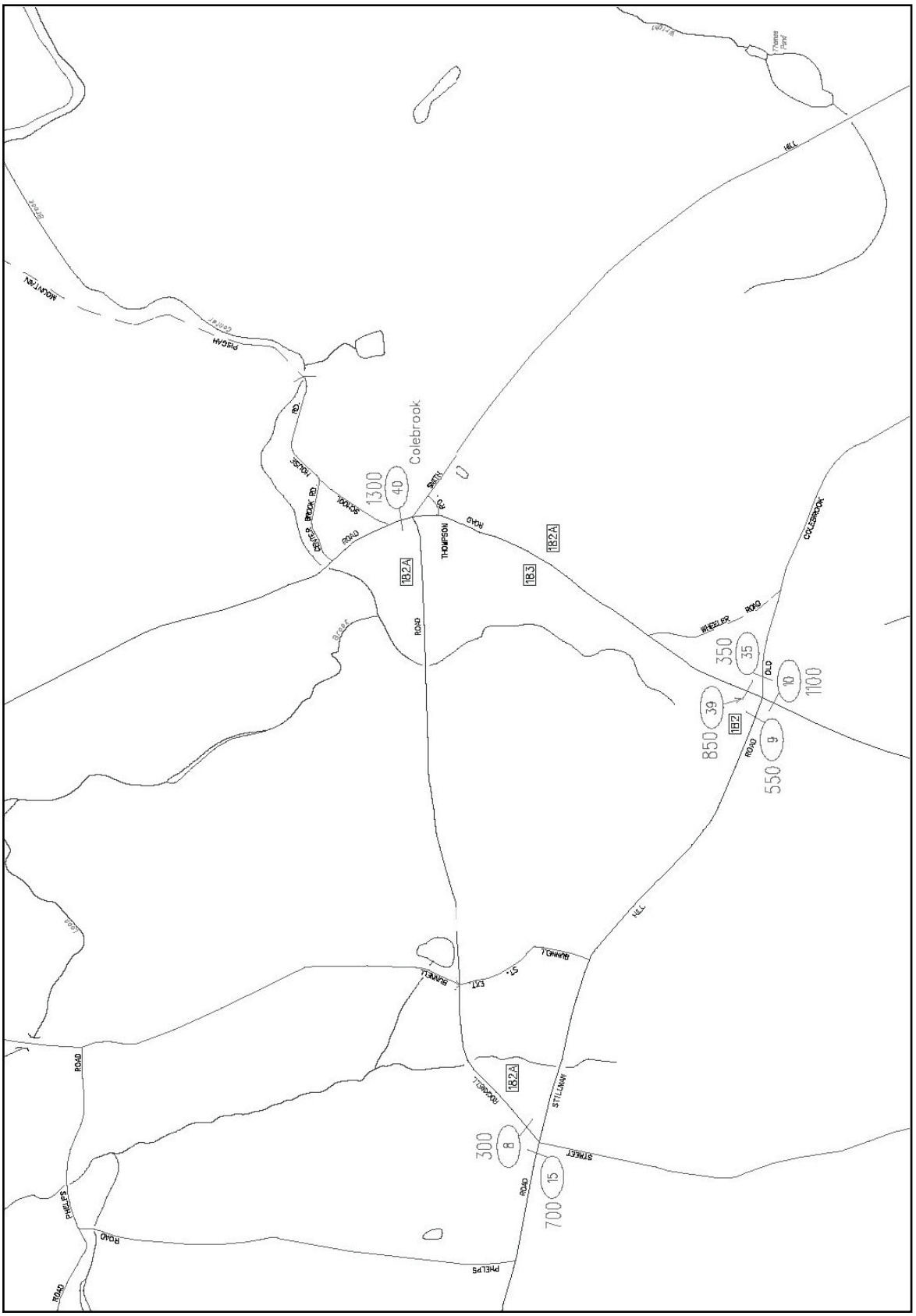
Attachment 5: "Existing & Proposed Coverage" for the AT&T network with Colebrook site



Attachment 6: "Existing & Future Coverage" for the AT&T network



Attachment 7: "Existing, Proposed & Future Coverage" for the AT&T network with Colebrook site



Attachment 8: Connecticut DOT Average Annual Daily Traffic Data

ATTACHMENT 2

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.

AT&T 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. Attached is a map identifying sites searched by AT&T for location of a facility in this particular area of Town.

Sites in and out of the site search area were analyzed and found to be technically inadequate or otherwise infeasible for construction. Descriptions of these sites are included below. These sites were generally rejected due either to the topography in the site search area, the overall distance from the investigated site to the area where system coverage is needed or the inability to develop a facility at the site.

Analysis of the communications towers and facilities located within 4 miles of the search area indicated that these towers would not provide adequate coverage to the area targeted for service by the proposed Facility and/or that AT&T is already utilizing the structure to provide service to another area of Colebrook and this part of the state.

In addition to the investigation of existing towers and facilities in the area, AT&T investigated several locations where the construction of a new site might be feasible. The description of the individual sites investigated is set forth below. Where applicable, the reason for eliminating the property is also included. Following these descriptions is a map indicating the location of all sites investigated.

1. Address: 522 Colebrook Road
Owner: Wheeler Limited Liability, LP
Map/Lot: 15/25
Deed: 67/569
Zoning District: R 2
Lot Size: Approximately 73.1 Acres

This property is the candidate site.

2(A&B). Address: 558 Colebrook Road
Map/Lot: 15/14
Deed: 33/350
Owner: Town of Colebrook
Zoning District: Village District
Lot Size: Approximately 44 Acres

Several alternative locations behind Town Hall and the baseball field were analyzed but rejected by AT&T's radio frequency engineers.

3. Address: 558 Colebrook Road (Senior Center Cupola)
Map/Lot: 15/14
Deed: 33/350
Owner: Town of Colebrook
Zoning District: Village District
Lot Size: Approximately 44 Acres

Proposed installation was rejected by AT&T's radio frequency engineers.

4. Address: 562 Colebrook Road (New Town Hall Cupola)
Map/Lot: 15/12
Deed: 50/465
Owner: Town of Colebrook
Zoning District: R-7
Lot Size: Approximately 2.5 Acres

Proposed installation on the new Town Hall was rejected by AT&T's radio frequency engineers.

5. Address: 558 Colebrook Road (Town Ball Field)
Map/Lot: 15/14
Deed: 33/350
Owner: Town of Colebrook
Zoning District: Village District
Lot Size: Approximately 44 Acres

A proposed light stanchion behind the baseball field was rejected by Town officials.

6. Address: 471 Smith Hill Road
Map/Lot: 15/23
Deed: Not available
Owner: Colebrook Congregational Church
Zoning District: Village District
Lot Size: Approximately 0.5 Acres

Steeple installation rejected by AT&T's radio frequency engineers.

7. Address: 452 Smith Hill Road
Map/Lot: 15/20
Owner: Town of Colebrook (Colebrook Consolidated School)
Zoning District: R-2
Lot Size: Approximately 5.99 Acres

Proposed tower to the rear of the school grounds was rejected by Town officials.

8. Address: 31 Bunnell Street
Map/Lot: 14/22
Owner: Town of Colebrook (Fire House)
Zoning District: R-2
Lot Size: Approximately 0.5 Acres

This location was rejected by AT&T's radio frequency engineers.

9. Address: 643 Colebrook Road
Map/Lot: 21/8
Deed: 52/491
Owner: Small
Zoning District: Village District
Lot Size: Approximately 56.86 Acres

This location was rejected by AT&T's radio frequency engineers.

10. Address: 650 Colebrook Road
Map/Lot: 27/34
Deed: 64/555
Owner: Thompson
Zoning District: R-2
Lot Size: Approximately 68.94 Acres

This location was rejected by AT&T's radio frequency engineers and included difficult access due to wetlands.

11. Address: Pisgah Mountain Road
Map/Lot: 21/21
Deed: 47/484
Owner: Trowbridge
Zoning District: R-2
Lot Size: Approximately 63.31 Acres

The property owner of this forested parcel was not interested.

12. Address: Pisgah Mountain Road
Map/Lot: 21/22
Deed: 47/484
Owner: Trowbridge
Zoning District: D
Lot Size: Approximately 184.19 Acres

The property owner of this forested parcel was not interested.

13. Address: Rockwell Road
Map/Lot: 15/7
Deed: 47/628
Owner: Thompson
Zoning District: R-2/D
Lot Size: Approximately 90 Acres

This location was rejected by AT&T's radio frequency engineers.

14. Address: Colebrook Road
Map/Lot: 15/5
Deed: 67/569
Owner: Wheeler Limited Liability, LP
Zoning District: R-2
Lot Size: Approximately 33.42 Acres

This location was rejected by AT&T's radio frequency engineers.

15. Address: 122 Old Colebrook Road
Map/Lot: 9/13
Deed: 57/164
Owner: Campbell
Zoning District: R-2
Lot Size: Approximately 135 Acres

The property owner of this single family residence with pasture and forest land was not interested.

16. Address: 138 Old Colebrook Road
Map/Lot: 15/28
Deed: 80/100
Owner: Geordiades
Zoning District: R-2
Lot Size: Approximately 18.72 Acres

This location was rejected by AT&T's radio frequency engineers and the property owner was not interested.

17. Address: 430 Smith Hill Road
Map/Lot: 15/21
Deed: 61/01
Owner: Seacord MDB & Betts Estate
Zoning District: R-2
Lot Size: Approximately 146.36 Acres

The property owner of this single family residence with excess forest land was not interested.

18. Address: 369 Smith Hill Road
Map/Lot: 10/21-01
Deed: 62/454
Owner: Bainbridge
Zoning District: R-2
Lot Size: Approximately 45. 65 Acres

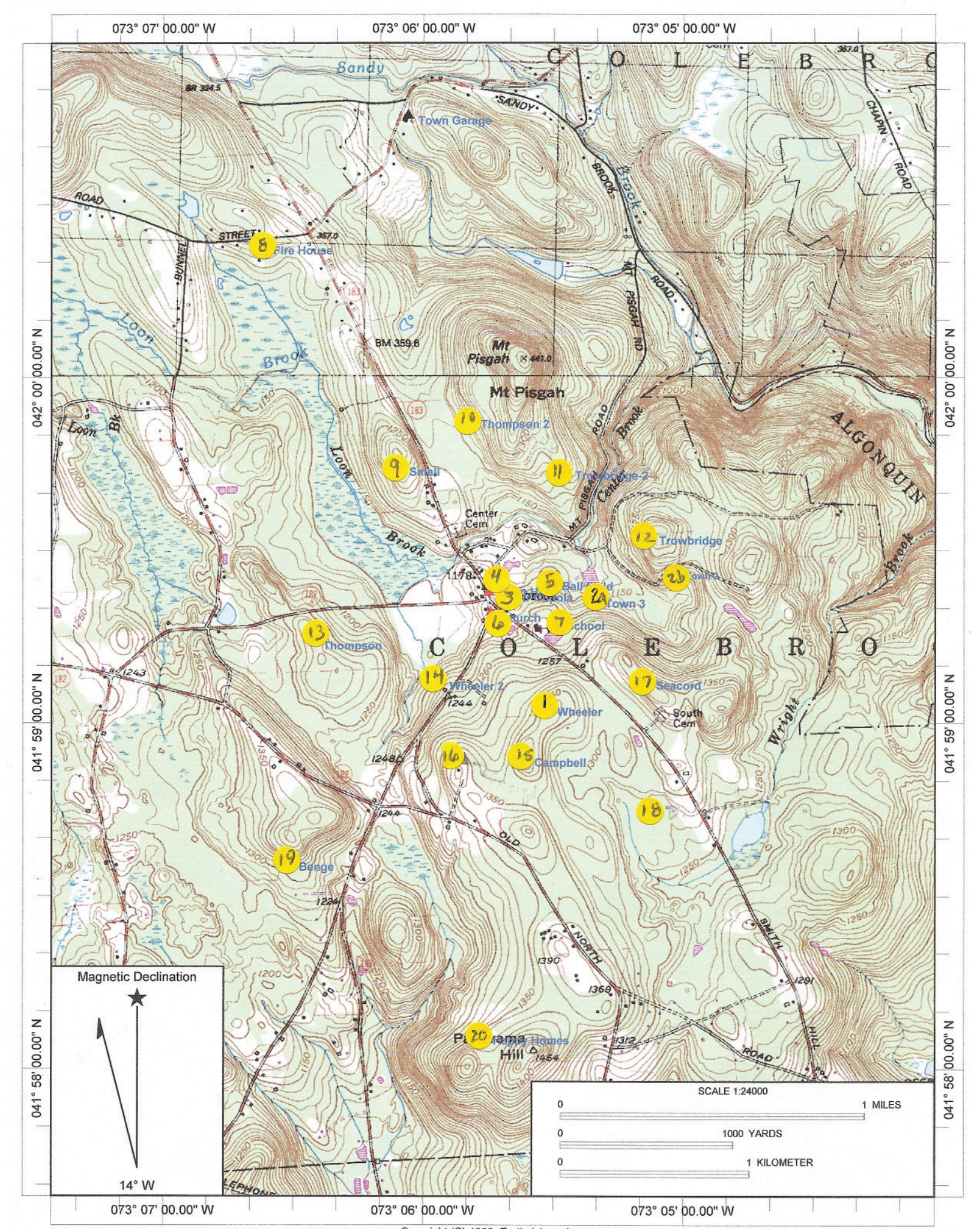
The property owner of this parcel was not interested.

19. Address: 467 Colebrook Road
Map/Lot: 9/9
Deed: 80/1035
Owner: Benge
Zoning District: R-2
Lot Size: Approximately 29 Acres

This location was rejected by AT&T's radio frequency engineers.

20. Address: 77 Colebrook Road
Map/Lot: 9/26
Deed: 56/876
Owner: Happy Home Prop. Ltd
Zoning District: R-2
Lot Size: Approximately 100 Acres

This location was rejected by AT&T's radio frequency engineers.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073° 06' 00.00" W
073° 05' 00.00" W
042° 00' 00.00" N
041° 59' 00.00" N
041° 58' 00.00" N
COLEBROOK
Sandy
Town Garage
Fire House
Loon Brook
BM 359.6
Mt Pisgah
Mt Pisgah
ALGONQUIN
Center Cem
Thompson 2
Small
Trowbridge 2
Trowbridge
Thompson
Wheeler 2
Wheeler
Seacord
South Cem
Campbell
Benge
Wright Brook
Magnetic Declination
14° W
SCALE 1:24000
0 1 MILES
0 1000 YARDS
0 1 KILOMETER
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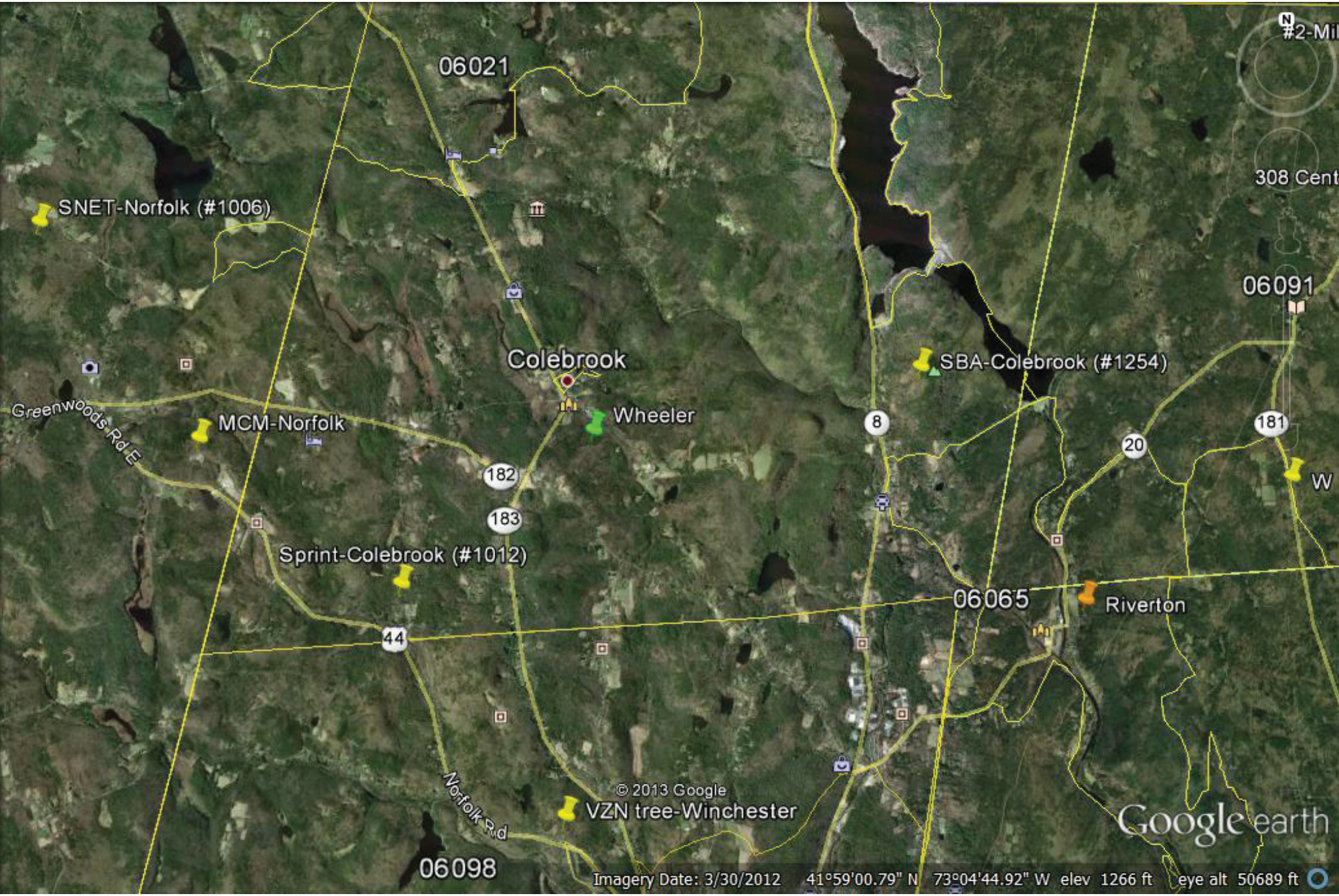
EXISTING TOWER/ CELL SITE LISTING

There are 4 communications facilities located within approximately four miles of the site search area for the proposed site in Colebrook. 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, all of the towers listed below are currently being used (#1 & 3) or proposed for use (#2 & 4) by AT&T to provide service outside of the area targeted for service by the proposed Colebrook Facility.

No.	OWNER/OPERATOR	TOWER/CELL SITE LOCATION	HEIGHT	SOURCE	COORDINATES
1.	SBA	382 Colebrook River Road, Colebrook	150’	AT&T Site #1254	Lat 41-59-30.6 Long 73-02-24.1
2.	Verizon	32 Norfolk Road, Winchester	150’	CSC Database	Lat 41-56-24.7 Long 73-05-45.25
3.	Sprint	161 Pinney Street, Colebrook	150’	AT&T Site #1012	Lat 41-57-58.8 Long 73-07-18
4.	MCM	599 Greenwoods Road E, Norfolk	180’	CSC Database	Lat 41-58-59.5 Long 73-09-13.7


06021
SNET-Norfolk (#1006)
Colebrook
Wheeler
MCM-Norfolk
Greenwoods Rd E
182
183
Sprint-Colebrook (#1012)
SBA-Colebrook (#1254)
8
20
181
06091
06065
Riverton
44
Norfolk Rd
© 2013 Google
VZN tree-Winchester
06098
Google earth
Imagery Date: 3/30/2012 41°59'00.79" N 73°04'44.92" W elev 1266 ft eye alt 50689 ft

ATTACHMENT 3

ATTACHMENT 3

General Facility Description

522 Colebrook Road (Route 183)
Owner: Wheeler Limited Liability Partnership
73.1 Acre Parcel

The main compound of the proposed telecommunications facility is located at the south-easterly portion of a largely undeveloped 73.1 acre parcel owned by Wheeler Limited Liability Partnership, located at 522 Colebrook Road (Route 183) in Colebrook. The parcel also has frontage on Smith Hill Road. The proposed facility consists of a 100' by 100' leased area and a new self-supporting monopole tower, 120' in height, with associated unmanned equipment at grade.

AT&T will install up to twelve (12) panel antennas and related equipment at the 117' centerline height of the tower. The tower would be designed for future shared use of the structure by other competing wireless carriers. An AT&T 12' x 20' equipment shelter would be installed at the tower base on a concrete pad within the compound together with provisions for a fixed back-up generator. The tower compound would consist of a 75' by 75' area to accommodate AT&T's equipment and provide for future shared use of the facility by other carriers. The tower compound would be enclosed by an 8' foot high chain link fence.

Vehicle access to the facility would be provided from Smith Hill Road southwesterly along a new 12' wide gravel access drive a distance of approximately 1,337'. Utility connections will be routed underground along the new access drive from an existing utility pole on Smith Hill Road.

Site Evaluation Report

I. LOCATION

A. COORDINATES: 41° 59’ 3.0” N 73° 05’ 31.0” W

B. GROUND ELEVATION: 1365 AMSL Elevation (in feet)

C. USGS MAP: Winsted

D. SITE ADDRESS: 522 Colebrook Road, Colebrook, Connecticut 06021

E. ZONING WITHIN 1/4 MILE OF SITE: Residential and Village District

II. DESCRIPTION

A. SITE SIZE: 75' by 75'

B. LESSOR’S PARCEL: +/-73.1 Acres

C. TOWER TYPE/HEIGHT: Monopole/120' AGL

D. SITE TOPOGRAPHY AND SURFACE: The topography of the parcel gradually slopes up from Smith Hill Road to the proposed tower and associated compound area. The parcel is largely undeveloped and wooded with a single-family home located in the western portion. Wetlands are located in the south and eastern portions of the parcel.

E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The topography of the surrounding area is characterized by rolling hills and scattered higher peaks wither elevations that ranges from approximately 520’ AMSL to 1,630' AMSL.

F. LAND USE WITHIN 1/4 MILE OF SITE: General land use activities surrounding the subject property include rural residential uses, agricultural fields and large tracts of wooded land. The Colebrook Consolidated School property abuts the parcel to the north. There are no residences located within 1,000 feet of the proposed site. The closest residence is approximately 1,051' to the northeast of the proposed tower.

III. FACILITIES

A. POWER COMPANY: Connecticut Light and Power

B. POWER PROXIMITY TO SITE: Electric power will be available for use from a proposed underground power line connecting to an existing utility pole on Smith Hill Road.

C. TELEPHONE COMPANY: AT&T

D. PHONE SERVICE PROXIMITY: Telephone facilities/service will be available from a proposed underground line connecting to an existing utility pole on Smith Hill Road.

E. VEHICLE ACCESS TO SITE: Access to the facility would be provided by a new approximately 12' wide gravel access drive from Smith Hill Road extending south west to the facility compound a distance of approximately 1,337'.

F. OBSTRUCTIONS: None

G. CLEARING AND FILL REQUIRED: The facility will require the removal of 170 trees and some grading of the access drive. 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: Host Parcel

A. PURCHASE [ ] LEASE [X]

B. OWNER: Wheeler Limited Liability Partnership

C. ADDRESS: 522 Colebrook Road, Colebrook, Connecticut 06021

Facilities and Equipment Specification

I. TOWER SPECIFICATIONS:

A. MANUFACTURER: To be determined

B. TYPE: Self-Supporting monopole

C. HEIGHT: 120' AGL
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.

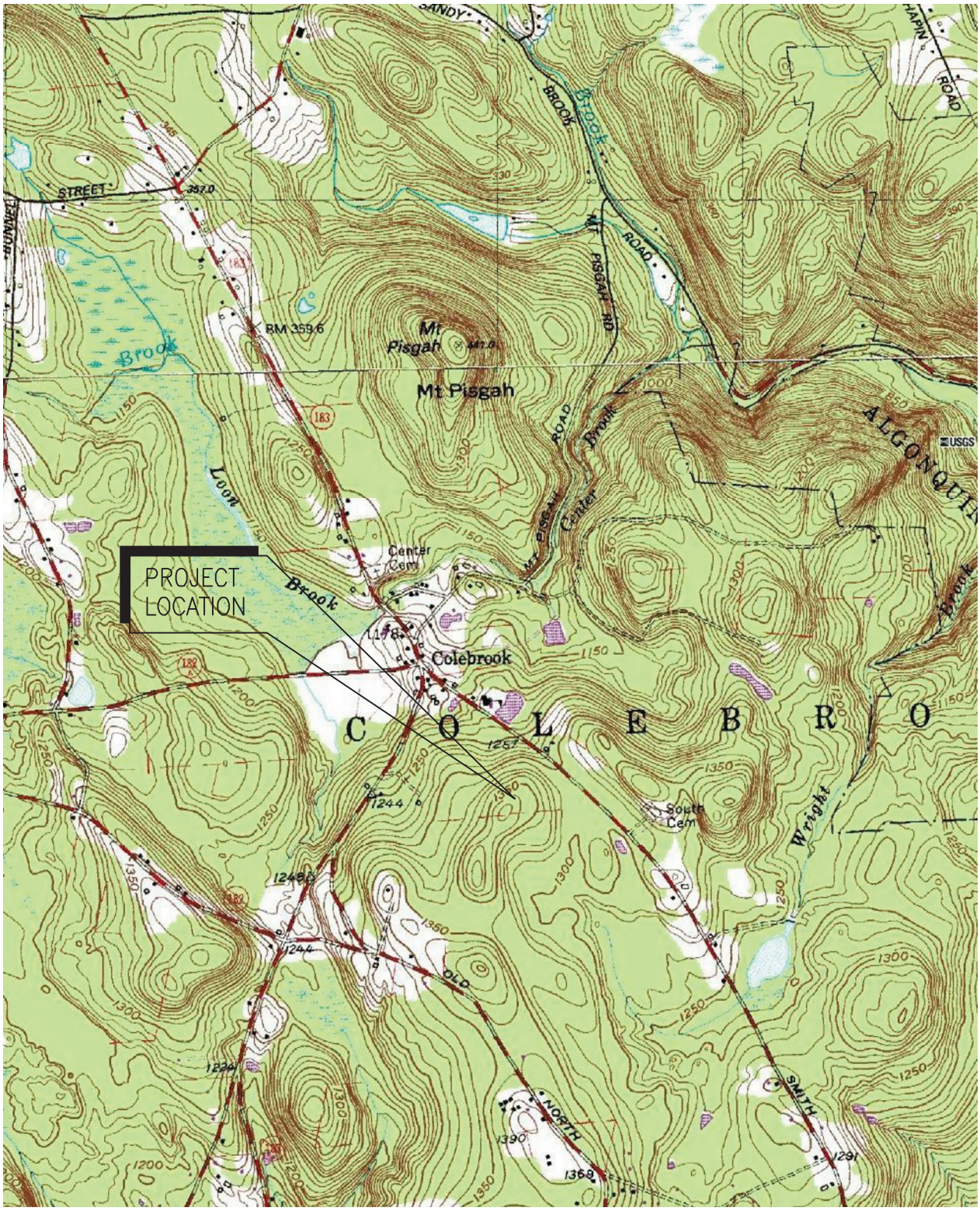
II. TOWER LOADING:

A. AT&T – up to 12 panel Antennas, along with associated equipment
   a. Model – Powerwave P90-14-XLH-RR or equivalent panel antenna
   b. Position on Tower – 117' centerline AGL
   c. Transmission Lines – MFG/Model: Commscope Aluminum; Size 1-5/8"

B. Future Carriers – To be determined

III. ENGINEERING ANALYSIS AND CERTIFICATION:

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



MAP DATE: 1956
REVISED: 1984

1 USGS TOPO MAP: WINSTED 41073-H1

SCALE: 1" = 2000'

0 1000 2000

SCALE IN FEET

TRUE NORTH

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SR1765
COLEBROOK
522 COLEBROOK ROAD
COLEBROOK, CT 06021
LITCHFIELD COUNTY

CHA PROJ. NO. – 18301-1025-43000

SHEET TITLE:
USGS TOPO MAP

DATE:
02/17/11

REVISION:
2

DATE: 7/15/2013 12:23 PM FILE: W:\SAI CINGULAR\18301\SITES\1025 COLEBROOK-WHEELER 1765\ZD\SMITH HILL ROAD-FILING THIS ONE\COLEBROOK-5 USGS.DWG

1 2009 AERIAL PHOTO
SCALE: 1" = 1000'

0 500 1000
SCALE IN FEET

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LITCHFIELD COUNTY

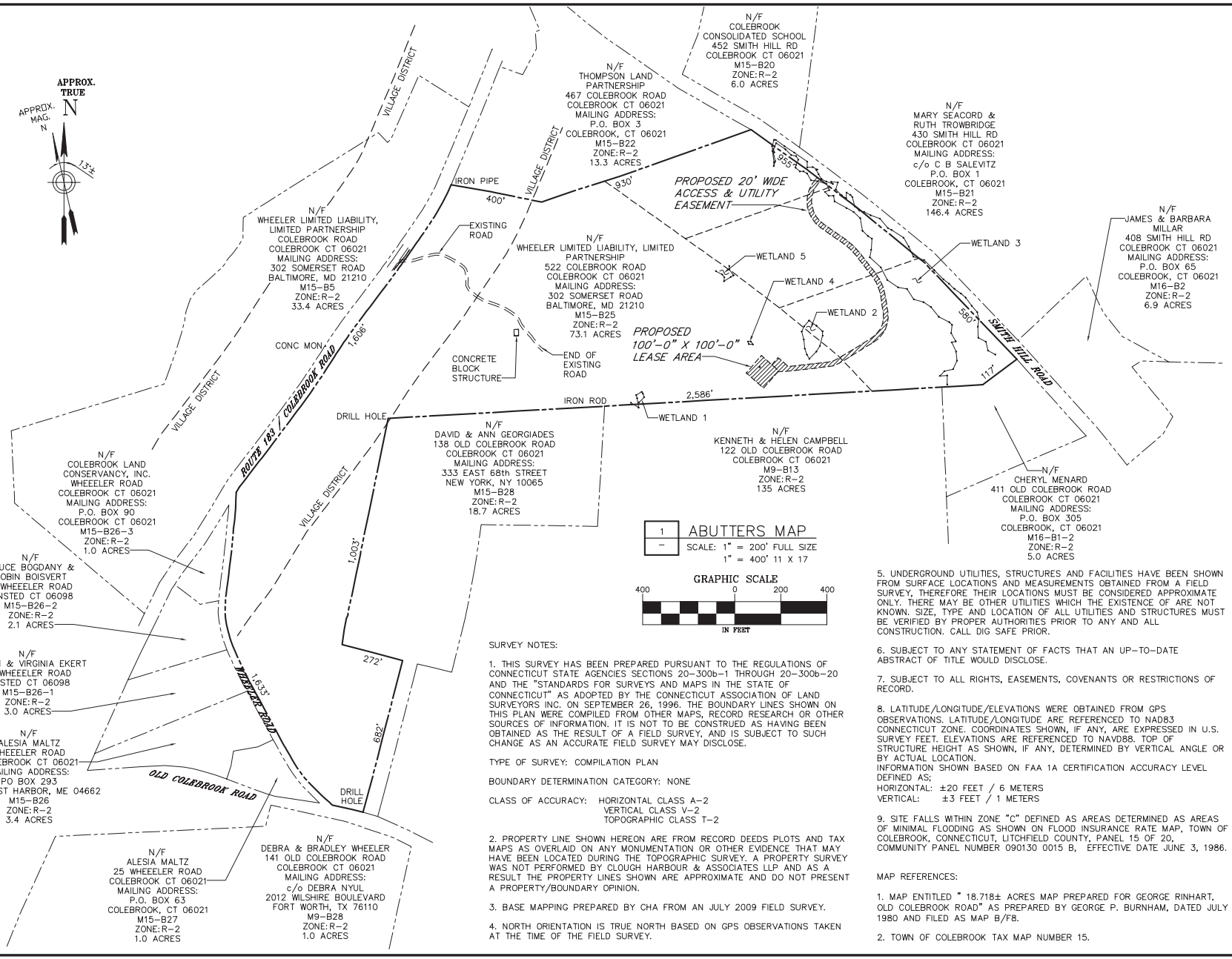
CHA PROJ. NO. – 18301–1025–43000

SHEET TITLE:
AERIAL PHOTO

DATE:
02/17/11

REVISION:
2

DATE: 7/15/2013 12:25 PM FILE: W:\SAI CINGULAR\18301\SITES\1025 COLEBROOK–WHEELER 1765\ZD\SMITH HILL ROAD–FILING THIS ONE\COLEBROOK–6 AERIAL.DWG



1 ABUTTERS MAP
– SCALE: 1" = 200' FULL SIZE
1" = 400' 11 X 17

GRAPHIC SCALE
400 0 200 400
IN FEET

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.

TYPE OF SURVEY: COMPILATION PLAN

BOUNDARY DETERMINATION CATEGORY: NONE

CLASS OF ACCURACY: HORIZONTAL CLASS A–2
VERTICAL CLASS V–2
TOPOGRAPHIC CLASS T–2

2. PROPERTY LINE SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND TAX MAPS AS OVERLAID ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY SURVEY WAS NOT PERFORMED BY CLOUGH HARBOUR & ASSOCIATES LLP 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 JULY 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 HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.

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 FROM GPS OBSERVATIONS. LATITUDE/LONGITUDE ARE REFERENCED TO NAD83 CONNECTICUT ZONE. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD88. TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION.
INFORMATION SHOWN BASED ON FAA 1A CERTIFICATION ACCURACY LEVEL DEFINED AS;
HORIZONTAL: ±20 FEET / 6 METERS
VERTICAL: ±3 FEET / 1 METERS

9. SITE FALLS WITHIN ZONE "C" DEFINED AS AREAS DETERMINED AS AREAS OF MINIMAL FLOODING AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF COLEBROOK, CONNECTICUT, LITCHFIELD COUNTY, PANEL 15 OF 20, COMMUNITY PANEL NUMBER 090130 0015 B, EFFECTIVE DATE JUNE 3, 1986.

MAP REFERENCES:

1. MAP ENTITLED " 18.718± ACRES MAP PREPARED FOR GEORGE RINHART, OLD COLEBROOK ROAD" AS PREPARED BY GEORGE P. BURNHAM, DATED JULY 1980 AND FILED AS MAP B/F8.

2. TOWN OF COLEBROOK TAX MAP NUMBER 15.

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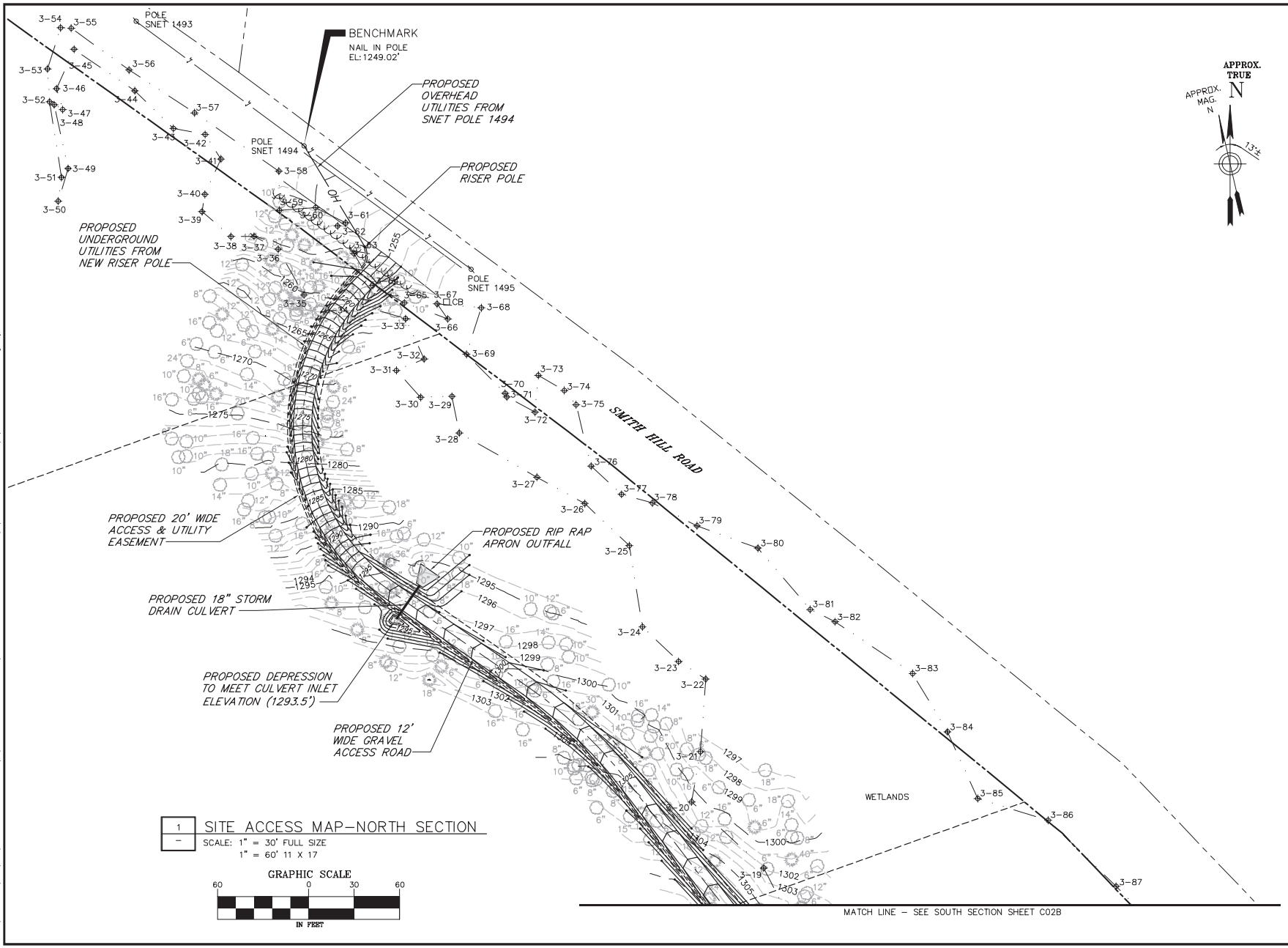
CHA PROJECT NO:
18301 – 1025 – 43000

NO.	SUBMITTAL		
0	07/10/09	ISSUED FOR CSC CERTIFICATE	
	BY: PAL	CHK: PAL	APP'D: JPS
1	12/03/09	MOVED ROAD	
	BY: PAL	CHK: PAL	APP'D: JPS
2	02/17/11	REVISED TOWER HEIGHT	
	BY: JDM	CHK: PAL	APP'D: JPS
3	05/17/13	UPDATED ABUTTERS	
	BY: PAL	CHK: PAL	APP'D: JPS
4	07/16/13	REVISED ACCESS DRIVE ALIGN.	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR1765
SITE NAME:
COLEBROOK
SITE ADDRESS:
522 COLEBROOK ROAD
COLEBROOK, CT
06021
LITCHFIELD COUNTY

SHEET TITLE
ABUTTERS
MAP

SHEET NUMBER
C01



1 – SITE ACCESS MAP–NORTH SECTION

SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

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CHA PROJECT NO:
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NO.	SUBMITTAL		
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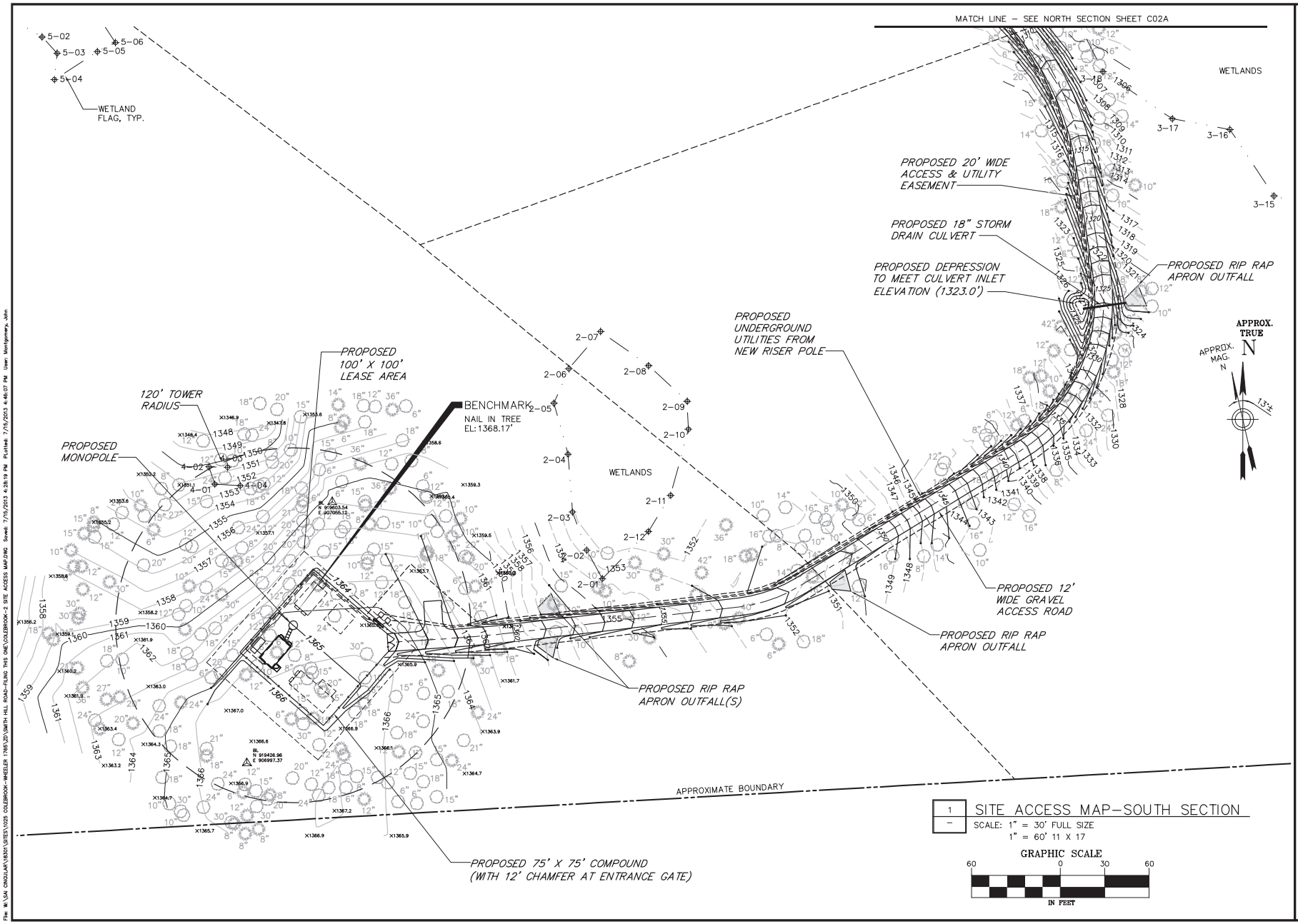
1	12/03/09	MOVED ROAD	
	BY: PAL	CHK: PAL	APP'D: JPS
2	02/17/11	REVISED TOWER HEIGHT	
	BY: JDM	CHK: PAL	APP'D: JPS
3	07/16/13	REVISED ACCESS DRIVE ALIGN.	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR1765
SITE NAME:
COLEBROOK
SITE ADDRESS:
522 COLEBROOK ROAD
COLEBROOK, CT
06021
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP
NORTH SECTION

SHEET NUMBER
C02A



1 – SITE ACCESS MAP–SOUTH SECTION

SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

GRAPHIC SCALE
60 0 30 60
IN FEET

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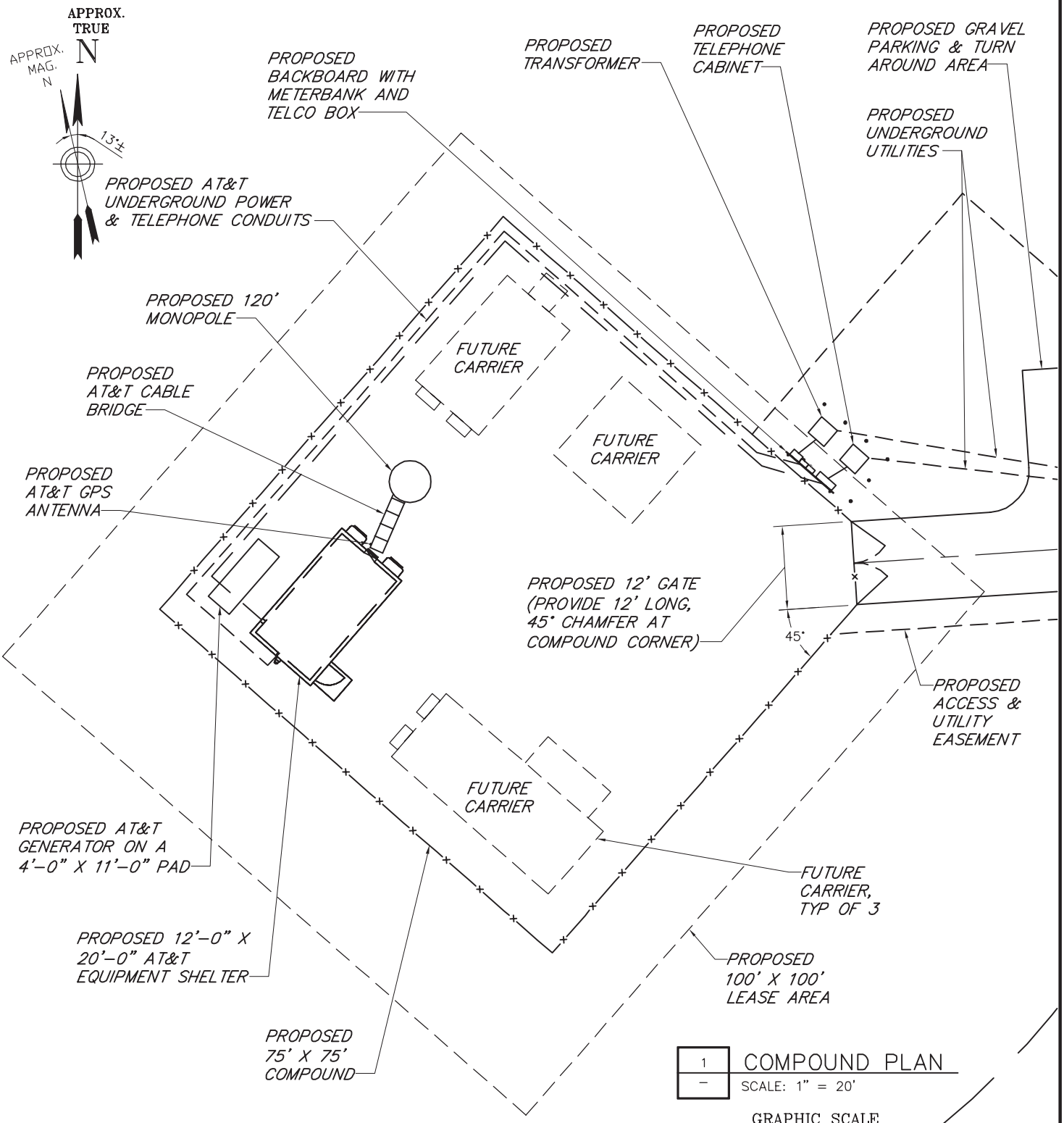
CHA PROJECT NO:
18301 – 1025 – 43000

NO.	SUBMITTAL		
0	07/10/09	ISSUED FOR CSC CERTIFICATE	
	BY: PAL	CHK: PAL	APP'D: JPS
1	12/03/09	MOVED ROAD	
	BY: PAL	CHK: PAL	APP'D: JPS
2	02/17/11	REVISED TOWER HEIGHT	
	BY: JDM	CHK: PAL	APP'D: JPS
3	07/16/13	REVISED ACCESS DRIVE ALIGN.	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR1765
SITE NAME:
COLEBROOK
SITE ADDRESS:
522 COLEBROOK ROAD
COLEBROOK, CT
06021
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP
SOUTH SECTION

SHEET NUMBER
C02B



1 — COMPOUND PLAN
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 10 20
IN FEET

BASEMAP NOTES:

1. BASEMAP INFORMATION OBTAINED FROM A SURVEY PERFORMED BY CLOUGH HARBOUR & ASSOCIATES LLP IN JULY 2009.

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LITCHFIELD COUNTY

CHA PROJ. NO. – 18301–1025

SHEET TITLE:
COMPOUND PLAN

DATE:
07/15/2013

REVISION:
3

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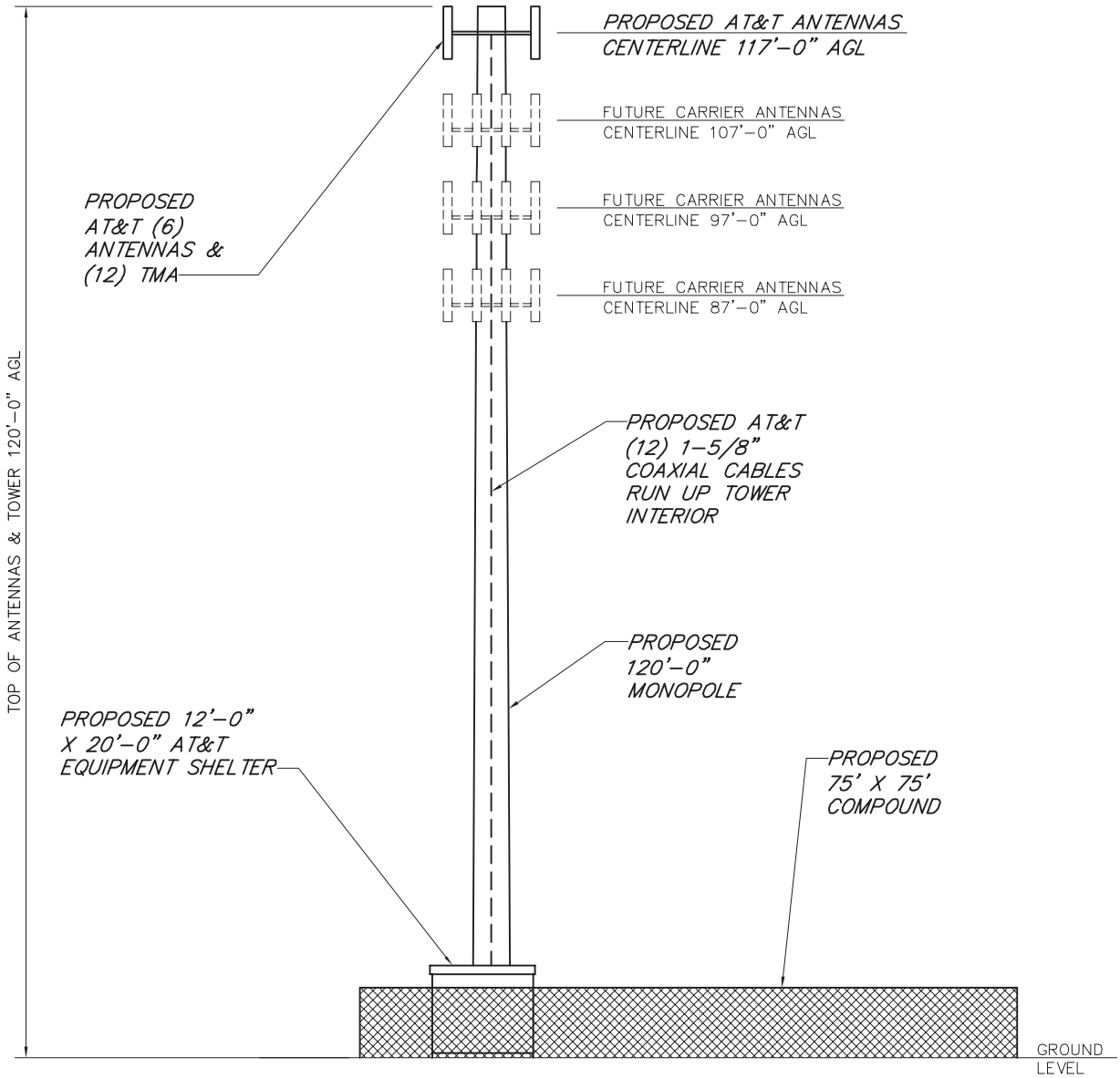

1 — TOWER ELEVATION

SCALE: 1" = 20'

GRAPHIC SCALE

20 0 10 20

IN FEET

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LITCHFIELD COUNTY

CHA PROJ. NO. – 18301-1025-43000

SHEET TITLE:
TOWER ELEVATION

DATE:
02/17/11

REVISION:
2

DATE: 7/15/2013 12:21 PM FILE: W:\SAI CINGULAR\18301\SITES\1025 COLEBROOK-WHEELER 1765\ZD\SMITH HILL ROAD-FILING THIS ONE\COLEBROOK-4 TOWER ELEVATION.DWG

Site Number: SR1765
Site Name: COLEBROOK
Site Address: 522 COLEBROOK ROAD, COLEBROOK, CT 06021

Access distances:

Distance of access over new gravel driveway: 1,337'
Total distance of site access: 1,337'

Distance to Nearest Wetlands:

78' from compound corner to flag 4-04.
20' from access drive grading to flag 2-01.
17' from access drive grading to flag 3-18.
12' from access drive grading to flag 3-20.
Access drive crosses wetlands at flags 3-34/3-64

Distance to Property Lines:

984' to the northern property boundary
131' to the southern property boundary
1,560' to the western property boundary
759' to the eastern property boundary

Residence Information:

There are no residences within 1,000' feet of the tower. The closest residence is 1,051' to the Northeast and is located at 430 Smith Hill Road.

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 Winchester. The town boundary is 7,800' to the South.

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T 860.257.4557 • F 860.257.7514 • www.cloughharbour.com

July 15, 2013

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

RE: Tree Inventory
Site: Colebrook
522 Colebrook Road
Colebrook, CT 06021
CHA # 18301-1025-1601

A site survey was completed at the subject site in July of 2009 and November 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 one-hundred seventy (170) 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"	28
8"	23
10"	28
12"	34
14"	5
15"	12
16"	9
18"	14
20"	2
24"	5
28"	1
30"	5
36"	2
40"	1
42"	1
TOTAL	**170**

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\1025 Colebrook-Wheeler 1765\ZD\Smith Hill Road-FILING THIS ONE\COLEBROOK-10 TREE INVENTORY.doc

ATTACHMENT 4

ATTACHMENT 4

Environmental Assessment Statement

I. PHYSICAL IMPACT

A. WATER FLOW AND QUALITY

No significant water flow and/or water quality changes are anticipated as a result of the construction or operation of the proposed facility. With incorporation of the proposed mitigation measures, the construction and operation of the tower and related site improvements will have relatively minimal direct and secondary wetland impacts. Further, the equipment associated with the facility will discharge no pollutants to area surface or groundwater systems. Best Management Practices to control storm water and soil erosion during construction will be implemented.

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. A diesel-powered generator for emergency power is proposed which will have compliant air emissions associated with its operation.

C. LAND

Clearing and grading will be necessary for the access drive and the compound area. The remaining land of the host parcel and the access parcel 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 six to eight weeks. Temporary power outages could involve sound from the emergency generator.

E. POWER DENSITY

The cumulative worst-case calculation of power density from AT&T's operations at the facility would be 10.88% of the federally promulgated emissions standard. Attached is a copy of a Power Density Report dated July 2, 2013 prepared by AT&T's radio frequency consultant C Squared Systems.

F. VISIBILITY

The potential visual impact of the proposed monopole was determined by preparation of the attached Visibility Analysis. The potential visibility was assessed within an approximate two (2) mile radius using a computer-based, predictive view shed model. The Visibility Analysis concludes that approximately 45 acres within the study area will have some year-round views. This represents less than 1% of the 8,042 acre Study Area. The majority of year-round visibility associated with the proposed Facility occurs over the Site and a short section along Stillman Hill Road approximately 0.8 mile southwest of the Facility over open agricultural fields. Year-round visibility would be limited to these areas due to the topography and vegetative cover in the area.

II. SCENIC, NATURAL, HISTORIC & RECREATIONAL VALUES

The parcel on which the facility is located and immediate surrounding areas exhibit no scenic, natural, historic or recreational characteristics that has been formally documented as unique. The Connecticut State Historic Preservation Officer ("SHPO") has provided a "no effect" determination requesting that the Facility be designed to be as non-visible as possible. The Connecticut Department of Energy and Environmental Protection confirmed that the proposed Facility will not impact any known extant populations of Federal or State Endangered, Threatened or Special Concern Species.

Tony Wells
C Squared Systems
65 Dartmouth Drive
Auburn, NH 03032
603-644-2800
Tony.Wells@csquaredsystems.com

C Squared Systems, LLC

July 2, 2013

Connecticut Siting Council

Subject: New Cingular Wireless, Colebrook, 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 Colebrook Road, Colebrook, 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	117	880	2	500	0.0292	0.5867	4.98%
	AT&T UMTS	117	1900	2	500	0.0292	1.0000	2.92%
	AT&T LTE	117	734	1	500	0.0146	0.4893	2.98%
							Total	**10.88%**

Summary: Under worst-case assumptions, the RF Power Density at the proposed site located at Colebrook Road, Colebrook, CT will not exceed 10.88% of the FCC MPE limit for General Public/Uncontrolled Environments.

Sincerely,

anthony wells

Anthony Wells
Managing Partner

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	41-59-03.0 north
Longitude	073-05-31.0 west

Measurements (Meters)

Overall Structure Height (AGL)	36.6
Support Structure Height (AGL)	36.6
Site Elevation (AMSL)	416.4

Structure Type

MTOWER - Monopole

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

AVIAN RESOURCES EVALUATION

Date: June 26, 2013

Mr. Tim Burks
Site Acquisitions, Inc.
500 Enterprise Drive, Suite 3A
Rocky Hill, CT 06067

APT Project No.: CT193990

Re: Proposed Colebrook Facility – CT1765
522 Colebrook Road
Colebrook, Connecticut

New Cingular Wireless PCS, LLC ("AT&T") proposes to construct a new wireless telecommunications Facility ("Facility") at 522 Colebrook Road in Colebrook, Connecticut (the "host property"). The host property consists of 73.1 acres and is currently partially developed with a residence in the southwest portion of the lot. The majority of the host property is undeveloped, wooded land characterized as a complex of upland forest, seasonal forested hillside seep wetland systems, and an intermittent stream feature located adjacent to Smith Hill Road. The candidate site currently under consideration is located on a height of land within the upland forest adjacent to the southern property boundary. AT&T proposes to install a 120-foot tall monopole and ground equipment enclosure within a 75-foot by 75-foot gravel compound area surrounded with an 8-foot tall chain link fence. A 12-foot wide, approximately 1,400-foot long gravel access is proposed in order to gain admission to the Facility.

The purpose of this evaluation is to document the Project Area's proximity to avian resource areas and its compliance with recommended guidelines of the United States Fish and Wildlife Service for minimizing the potential for telecommunications towers to impact bird species.

All-Points Technology Corporation, P.C. ("APT") reviewed several publicly-available sources of avian data for the state of Connecticut to provide the following information with respect to potential impacts on migratory birds associated with the proposed development. This desktop analysis and attached graphics identify avian resources and their proximities to the host property. Information within an approximate 2-mile radius of the host Property is graphically depicted on the attached Avian Resources Map. Some of the avian data referenced herein are not located in proximity to the project area and are therefore not visible on the referenced map due to its scale. However, in those cases the distances separating the host property from the resources are identified in the discussions below.

Proximity to Important Bird Areas

The National Audubon Society has identified 27 Important Bird Areas ("IBAs") in the state of Connecticut. IBAs are sites that provide essential habitat for breeding, wintering, and/or migrating birds. The IBA must support species of conservation concern, restricted-range species, species vulnerable due to concentration in one general habitat type or biome, or species vulnerable due to their occurrence at high densities as a result of their congregatory behavior[1]. The closest IBA to the host property is the Aton Forest, located off Sandisfield Road in Norfolk, CT approximately 4.7 miles to the west. Aton Forest is a natural area preserved for the purpose to conduct low impact, long-term ecological research pioneered by founder Dr. Frank E. Egler. Due to its distance from the site, this IBA would not experience an adverse impact resulting from the proposed development of the Facility.

Supporting Migratory Bird Data

Beyond Audubon's IBAs, the following analysis and attached graphics also identify several additional avian resources and their proximities to the host property. Although these data sources may not represent habitat indicative of important bird areas, they may indicate possible bird concentrations[2] or migratory pathways.

Critical Habitat

Connecticut Critical Habitats depict the classification and distribution of 25 rare and specialized wildlife habitats in the state. It represents a compilation of ecological information collected over many years by state agencies, conservation organizations and individuals. Critical habitats range in size from areas less than one acre to areas that are tens of acres in extent. The Connecticut Critical Habitats information can serve to highlight ecologically significant areas and to target areas of species diversity for land conservation and protection but may not necessarily be indicative of habitat for bird species. Two Critical Habitat areas are located approximately 1.8 miles from the host property. To the east a dry subacidic forest area, denoted as the Algonquin Mountain Site, and to the northeast another dry subacidic forest area, denoted as Kitchell Wilderness Natural Area Preserve. Based on the distance separating these resources from the proposed Facility, no adverse impacts are anticipated.

Avian Survey Routes and Points

Breeding Bird Survey Route

The North American Breeding Bird Survey is a cooperative effort between various agencies and volunteer groups to monitor the status and trends of North American bird populations. Routes are randomly located to sample habitats that are representative of an entire region. Each year during the height of the avian breeding season (June for most of the United States) participants skilled in avian identification collect bird population data along roadside survey routes. Each survey route is approximately 24.5 miles long and contains 50 stops located at 0.5-mile intervals. At each stop, a three-minute count is conducted. During each count, every bird seen or heard within a 0.25-mile radius is recorded. The resulting data is used by conservation managers, scientists, and the general

[1] http://web4.audubon.org/bird/iba/iba_intro.html

[2] "bird concentrations" is related to the USFWS *Interim Guidance on the Siting, Construction, Operation and Decommissioning of Communications Towers* (September 14, 2000) analysis provided at the end of this document

public to estimate population trends and relative abundances and to assess bird conservation priorities. The nearest survey route to the host property is the New Hartford Breeding Bird Survey Route, which generally begins in Burlington and winds its way north through New Hartford and Barkhamsted before terminating in Hartland, within approximately 4.5 miles to the east. Since bird survey routes represent randomly selected data collection areas, they do not necessarily represent a potential restriction to development projects, including the proposed Facility.

Hawk Watch Site

The Hawk Migration Association of North America ("HMANA") is a membership-based organization committed to the conservation of raptors through the scientific study, enjoyment and appreciation of raptor migration. HMANA collects hawk count data from almost 200 affiliated raptor monitoring sites throughout the United States, Canada and Mexico, identified as "Hawk Watch Sites." In Connecticut, Hawk Watch Sites are typically situated on prominent hills and mountains that tend to concentrate migrating raptors. The nearest Hawk Watch Site, Booth Hill, is located in Hartland within Tunxis State Forest, approximately 6.9 miles to the northeast of the host property. Hawk Watch Sites may be an indicator of migratory routes for raptors.

Bald Eagle Site

Bald Eagle Sites consist of locations of midwinter Bald Eagle counts from 1986 to 2005 with an update provided in 2008. This survey was initiated in 1979 by the National Wildlife Federation. This database includes information on statewide, regional and national trends. Survey routes are included in the database only if they were surveyed consistently in at least four years and where at least four eagles were counted in a single year. A Bald Eagle Site is located in the Town of Barkhamsted at the Saville Dam/Barkhamsted Reservoir approximately 8.9 miles southeast of the host property.

Flyways

The project area is located in Litchfield County, approximately 50 miles north of Long Island Sound. The Connecticut coast lies within the Atlantic Flyway, one of four generally recognized regional primary migratory bird flyways (Mississippi, Central and Pacific being the others). This regional flyway is used by migratory birds travelling to and from summering and wintering grounds. The Atlantic Flyway is particularly important for many species of migratory waterfowl and shorebirds, and Connecticut's coast serves as vital stopover habitat. Migratory land birds also stop along coastal habitats before making their way inland. Smaller inland migratory flyways are often concentrated along major riparian areas as birds use these valuable stopover habitats to rest and refuel as they make their way further inland to their preferred breeding habitats. The Connecticut Migratory Bird Stopover Habitat Project (Stokowski, 2002)[3] identified potential flyways along the Housatonic, Naugatuck, Thames, and Connecticut Rivers. This study paralleled a similar earlier study conducted by the Silvio O. Conte National Fish & Wildlife Refuge (Neotropical Migrant Bird Stopover Habitat Survey[4]), which consisted of collection of migratory bird data

[3] Stokowski, J.T. 2002. Migratory Bird Stopover Habitat Project Finishes First Year. Connecticut Wildlife, November/December 2002. P.4.
[4] The Silvio O. Conte National Fish & Wildlife Refuge Neotropical Migrant Bird Stopover Habitat Survey http://www.science.smith.edu/stopoverbirds/index.html

along the Connecticut River and the following major Connecticut River tributaries: Farmington, Hockanum, Scantic, Park, Mattabesset, Salmon, and Eight Mile Rivers. Of these potential flyways, the nearest to the host property is the West Branch of the Farmington River, located approximately 3.8 miles to the west. Although the Still River riparian corridor, located 2.4 miles east of the site, is not identified as a potential flyway, it potentially forms a secondary flyway as birds move northward during the spring migration. These major riparian corridors may provide secondary flyways as they likely provide more food and protection than more exposed upland sites, particularly during the spring migration[5].

Siting of tower structures within flyways can be a concern, particularly for tall towers and even more particularly for tall towers with guy wires and lighting. The majority of studies on bird mortality due to towers focuses on very tall towers (greater than 1000 feet), illuminated with non-flashing lights, and guyed. These types of towers, particularly if sited in major migratory pathways, do result in significant bird mortality (Manville, 2005)[6]. The proposed Facility is not this type of tower, being an unlit, unguyed monopole structure only 120 feet in height. More recent studies of short communication towers (<300 feet) reveal that they rarely kill migratory birds[7]. Studies of mean flight altitude of migrating birds reveal flight altitudes of 410 meters (1350 feet), with flight altitudes on nights with bad weather between 200 and 300 meters above ground level (656 to 984 feet)[8].

No adverse impacts to migrating bird species are anticipated with the Project, based on the distance separating the host property from both the Farmington and Still River potential flyway corridors and the short (120-foot) height of the unlit and unguyed Facility.

Waterfowl Focus Areas

The Atlantic Coast Joint Venture ("ACJV") is an affiliation of federal, state, regional and local partners working together to address bird conservation planning along the Atlantic Flyway. The ACJV has identified waterfowl focus areas recognizing the most important habitats for waterfowl along the Atlantic Flyway. Connecticut contains several of these waterfowl focus areas. The nearest waterfowl focus area to the host property is the Connecticut River and Tidal Wetlands Complex area, located approximately 34 miles to the southeast. Please refer to the attached Connecticut Waterfowl Focus Areas Map. Based on the distance of these resources to the project area, no direct impacts would occur from development of the proposed Facility.

CTDEEP Migratory Waterfowl Data

[5] The Silvio O. Conte National Fish & Wildlife Refuge Neotropical Migrant Bird Stopover Habitat Survey. http://www.science.smith.edu/stopoverbirds/Chapter5_Conclusions&Recommendations.html

[6] Manville, A.M. II. 2005. Bird strikes and electrocutions at power lines, communications towers, and wind turbines: state of the art and state of the science - next steps toward mitigation. Bird Conservation Implementation in the Americas: Proceedings 3rd International Partners in Flight Conference 2002. C.J. Ralph and T.D. Rich, editors. USDA Forest Service General Technical Report PSW-GTR-191. Pacific Southwest Research Station, Albany CA. pp. 1-51-1064.

[7] Kerlinger, P. 2000. Avian Mortality at Communication Towers: A Review of Recent Literature, Research, and Methodology. Prepared for U.S. Fish and Wildlife Service Office of Migratory Bird Management.

[8] Mabee, T.J., B.A. Cooper, J.H. Plissner, D.P. Young. 2006. Nocturnal bird migration over an Appalachian ridge at a proposed wind power project. Wildlife Society Bulletin 34:682-690.

The Connecticut Department of Energy and Environmental Protection ("CTDEEP") created a Geographic Information System ("GIS") data layer in 1999 identifying concentration areas of migratory waterfowl at specific locations in Connecticut. The intent of this data layer is to assist in the identification of migratory waterfowl resource areas in the event of an oil spill or other condition that might be a threat to waterfowl species. This data layer identifies conditions at a particular point in time and has not been updated since 1999.

No migratory waterfowl areas are located within the Town of Colebrook. The nearest migratory waterfowl area (Bantam lake in Litchfield-Morris, CT) is located approximately 19.3 miles to the south of the candidate site. The associated species are identified as bufflehead, Canada goose, mallard, green wing teal, and wood duck. Based on its distance to the host property, no impacts to migratory waterfowl habitat are anticipated to result from development of the proposed Facility.

CTDEEP Natural Diversity Data Base

CTDEEP's Natural Diversity Data Base ("NDDB") program performs hundreds of environmental reviews each year to determine the impact of proposed development projects on state listed species and to help landowners conserve the state's biodiversity. State agencies are required to ensure that any activity authorized, funded or performed by a state agency does not threaten the continued existence of endangered or threatened species. Maps have been developed to serve as a pre-screening tool to help applicants determine if there is a potential impact to state listed species.

The NDDB maps represent approximate locations of endangered, threatened and special concern species and significant natural communities in Connecticut. The locations of species and natural communities depicted on the maps are based on data collected over the years by CTDEEP staff, scientists, conservation groups, and landowners. In some cases an occurrence represents a location derived from literature, museum records and/or specimens. These data are compiled and maintained in the NDDB. The general locations of species and communities are symbolized as shaded areas on the maps. Exact locations have been masked to protect sensitive species from collection and disturbance and to protect landowner's rights whenever species occur on private property.

According to a June 18, 2013 letter from the CTDEEP NDDB, "there are no known extant populations of Federal or State Endangered, Threatened or Special Concern Species that occur on this property."

USFWS Communications Towers Compliance

The U.S Fish and Wildlife Service ("USFWS") prepared its *Interim Guidance on the Siting, Construction, Operation and Decommissioning of Communications Towers* (September 14, 2000), which recommends the 12 voluntary actions below be implemented in order to mitigate potential bird strikes that could result by the construction of telecommunications towers. APT offers the following responses to each of the USFWS recommendations.

1. *Any company/applicant/licensee proposing to construct a new communications tower should be strongly encouraged to collocate the communications equipment on an existing communications tower*

or other structure (e.g., billboard, water tower, or building mount). Depending on tower load factors, from 6 to 10 providers may collocate on an existing tower.

Collocation opportunities on existing towers, buildings or non-tower structures are not available in the area while achieving the required radio frequency ("RF") coverage objectives of AT&T.

2. *If collocation is not feasible and a new tower or towers are to be constructed, communications service providers should be strongly encouraged to construct towers no more than 199 feet above ground level (AGL), using construction techniques which do not require guy wires (e.g., use a lattice structure, monopole, etc.). Such towers should be unlighted if Federal Administration regulations permit.*

   The proposed Facility would consist of a 120-foot monopole structure which requires neither guy wires nor lighting.

3. *If constructing multiple towers, providers should consider the cumulative impacts of all of those towers to migratory birds and threatened and endangered species as well as the impacts of each individual tower.*

   Multiple towers are not proposed as part of this project.

4. *If at all possible, new towers should be sited within existing "antenna farms" (clusters of towers). Towers should not be sited in or near wetlands, or other known bird concentration areas (e.g., state or Federal refuges, staging areas, rookeries), in known migratory or daily movement flyways, or in habitat of threatened or endangered species. Towers should not be sited in areas with a high incidence of fog, mist, and low ceilings.*

   There are no existing "antenna farms" in the area. The site is not within wetlands, known bird concentration area, migratory or daily movement flyway, or habitat of threatened/endangered species. According to a June 18, 2013 letter from the CTDEEP Natural Diversity Data Base NDDB, there are no known extant populations of state or federal threatened or endangered avian species or state special concern avian species at or proximate to the host property.

   In Connecticut, seasonal atmospheric conditions can occasionally produce fog, mist and/or low ceilings. However, high incidences of these meteorological conditions, relative to the region, are not known to exist at the site.

5. *If taller (>199 feet AGL) towers requiring lights for aviation safety must be constructed, the minimum amount of pilot warning and obstruction avoidance lighting required by the FAA should be used.*

   The proposed Facility height (120 feet AGL) is less than 199 feet and would not require any aviation safety lighting.

6. *Tower designs using guy wires for support which are proposed to be located in known raptor or waterbird concentration areas or daily movement routes, or in major migratory bird movement routes*

or stopover sites, should have daytime visual markers on the wires to prevent collisions by these diurnally moving species.

The proposed Facility would be free-standing and would not require guy wires or visual marking.

7. *Towers and appendant facilities should be sited, designed and constructed so as to avoid or minimize habitat loss within and adjacent to the tower "footprint." However, a larger tower footprint is preferable to the use of guy wires in construction. Road access and fencing should be minimized to reduce or prevent habitat fragmentation and disturbance, and to reduce above ground obstacles to birds in flight.*

   The proposed Facility is sited, designed, and would be constructed to accommodate proposed equipment and to allow for future collocations within the smallest footprint possible. Design of the access road will minimize the number of mature trees cut reducing the overall canopy opening associated with this development. As such, habitat fragmentation and disturbance will be minimized to ensure the least amount of habitat fragmentation and disturbance.

8. *If significant numbers of breeding, feeding, or roosting birds are known to habitually use the proposed tower construction area, relocation to an alternate site should be recommended. If this is not an option, seasonal; restrictions on construction may be advisable in order to avoid disturbance during periods of high bird activity.*

   Significant numbers of breeding, feeding, or roosting birds are not known to habitually use the proposed tower construction areas at the site.

9. *In order to reduce the number of towers needed in the future, providers should be encouraged to design new towers structurally and electrically to accommodate the applicant/licensee's antennas and comparable antennas for at least two additional users (minimum of three users for each tower structure), unless this design would require the addition of lights or guy wires to an otherwise unlighted and/or unguyed tower.*

   The proposed Facility has been designed in accordance with this guidance, as it could accommodate a total of four antenna platform positions. The proposed, free-standing Facility would be neither lighted nor guyed.

10. *Security lighting for on-ground facilities and equipment should be down-shielded to keep light within the boundaries of the site.*

    Security lighting for on-ground facilities would be down-shielded using Dark Sky compliant fixtures set on motion sensor with timer.

11. *If a tower is constructed or proposed for construction, Service personnel or researchers from the Communication Tower Working Group should be allowed access to the site to evaluate bird use, conduct, dead-bird searches, to place net catchments below the towers but above the ground, and to place radar, Global Positioning System, infrared, thermal imagery, and acoustical monitoring*

equipment as necessary to assess and verify bird movements and to gain information on the impacts of various tower sizes, configurations, and lighting systems.

With prior notification to AT&T, USFWS personnel would be allowed access to the proposed Facility to conduct evaluations.

12. *Towers no longer in use or determined to be obsolete should be removed within 12 months of cessation of use.*

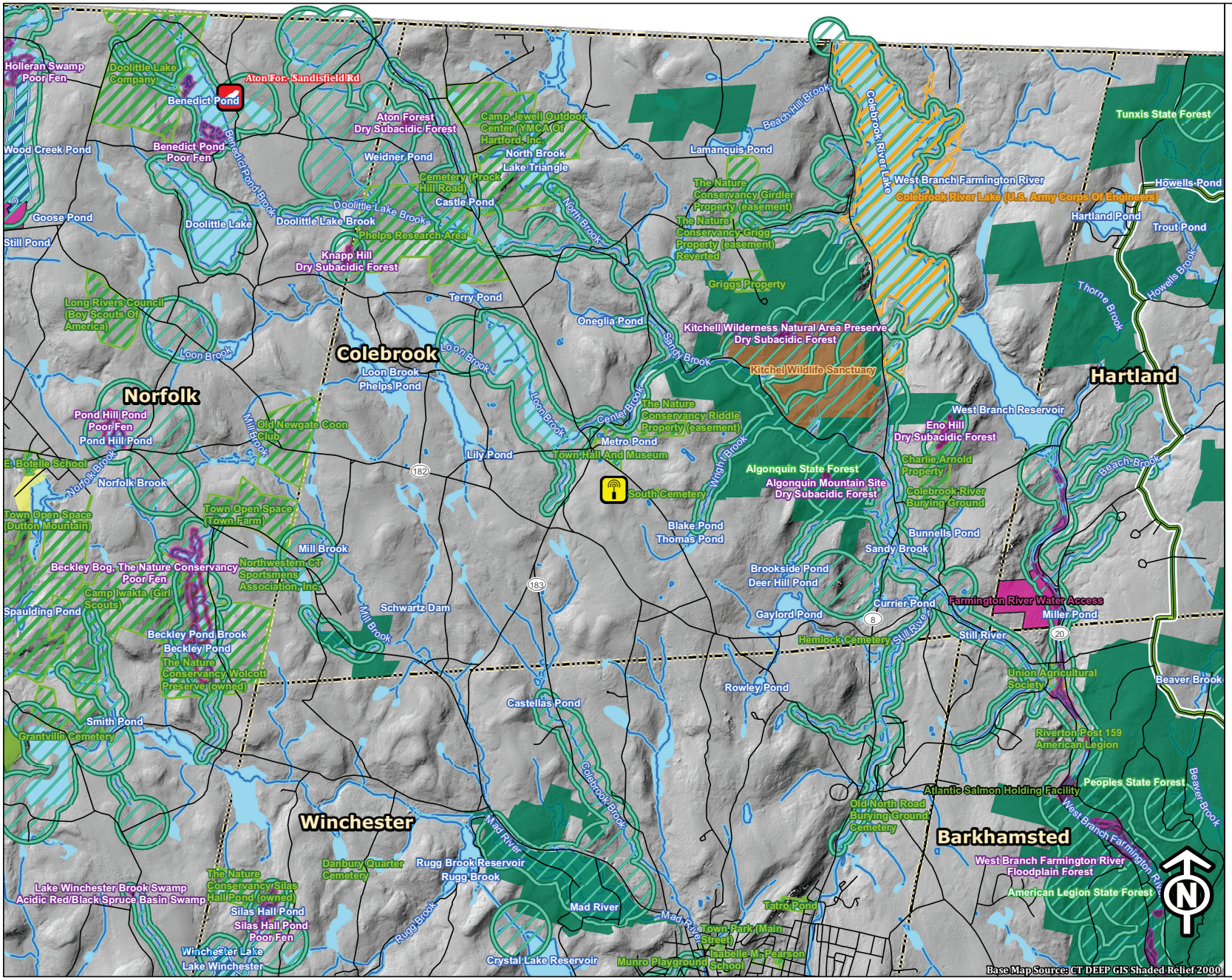
    If the proposed Facility was no longer in use or determined to be obsolete, it would be removed within 12 months of cessation of use.

Summary and Conclusions

Based on the results of this desk-top evaluation, no migratory bird species are anticipated to be impacted by AT&T's proposed development. The host property is not proximate to an Important Bird Area and would comply with the USFWS guidelines for minimizing the potential impacts to birds.

Figures

- Avian Resources Map
- Connecticut Waterfowl Focus Areas Map



Avian Resources Map

Proposed AT&T Wireless Communications Facility

522 Colebrook Road
Colebrook, Connecticut

Legend

- Proposed Tower Location
- Hawk Watch Site*
- Bald Eagle Watch Site*
- Important Bird Site
- Watercourse
- Waterbody
- Breeding Bird Survey Route
- Important Bird Area*
- Migratory Waterfowl (CT DEEP, 1999)*
- Natural Diversity Database Area (CT DEEP, 12/2012)
- Critical Habitat (CT DEEP, 07/2009)
- Federal Property (CT DEEP, 2004)*
- Municipal and Private Open Space (CT DEEP, 1997)

DEP Property (CT DEEP, 2010)

- State Forest
- State Park*
- State Park Scenic Reserve*
- State Park Trail*
- Natural Area Preserve*
- Wildlife Area*
- Wildlife Sanctuary
- Historic Preserve*
- Flood Control
- Fish Hatchery
- DEP Owned Waterbody
- Water Access
- Other*
- Road
- Town Line*

***None within mapped extents**

Last Updated Wednesday, June 26, 2013

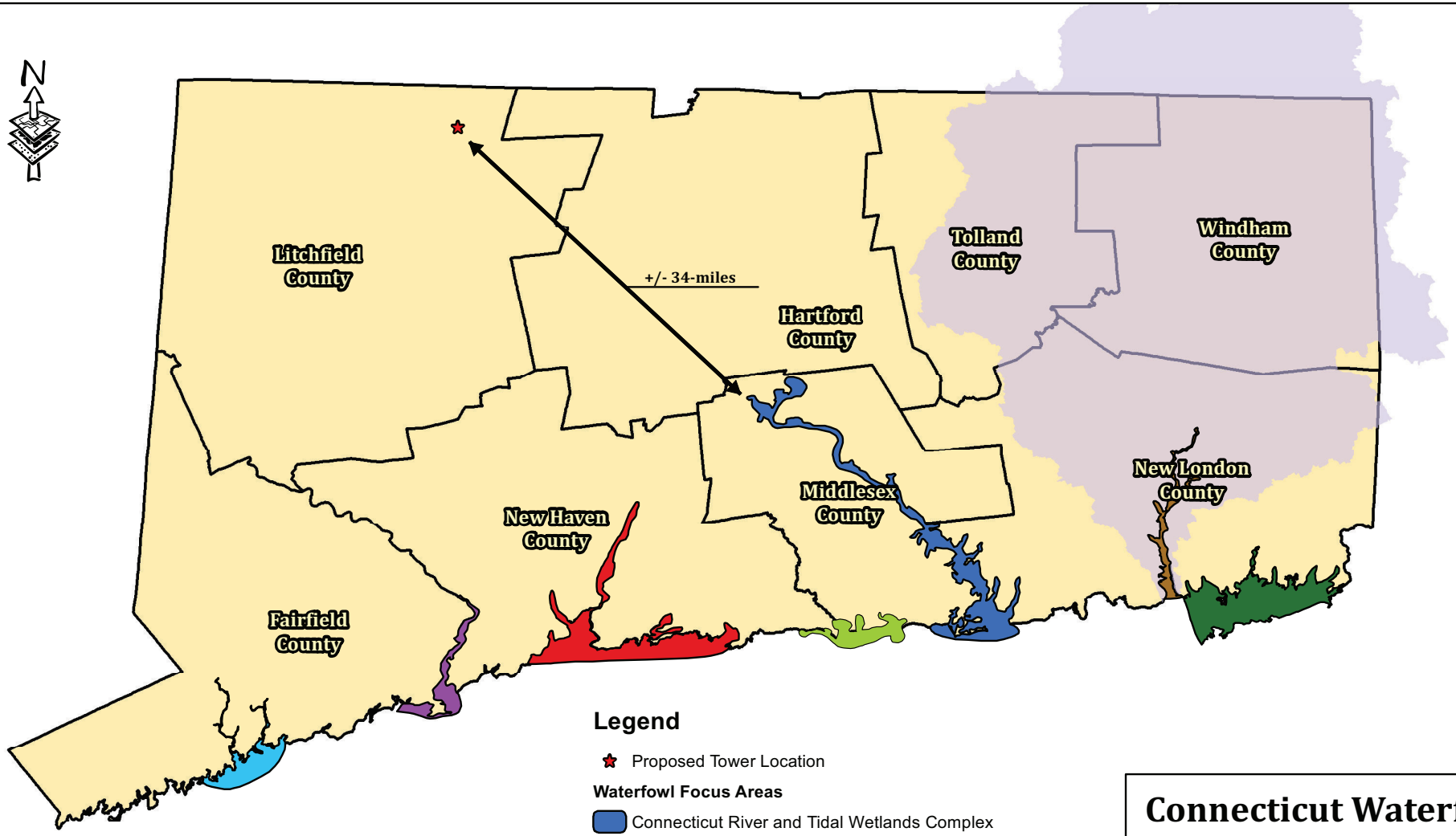
Avian Source Information:
Bald Eagle Sites: Midwinter Bald Eagle Count Survey website
http://ocid.nacse.org/nbii/eagles/state.php?php_screen=first&stateIn=Connecticut
Hawk Watch Sites: Hawk Migration Association of North America (HMANA), Hawk Count website:
http://hawkcount.org/sitesel.php?country=USA&stateprov=Connecticut
Migratory Waterfowl: CTDEP GIS, 1999
Important Bird Sites/Areas: National Audubon Society, Audbon Connecticut
http://ct.audubon.org/BirdSci_IBAs.html
Breeding Bird Survey Routes: Patuxent Wildlife Research Center of the U.S. Geological Survey and the Canadian Wildlife Service's National Wildlife Research Centre
http://www.nationalatlas.gov/mld/bbsrtsl.html

1 inch equals 4,167 feet

0 0.25 0.5 1 Miles

ALL-POINTS TECHNOLOGY CORPORATION

at&t



Waterforwl Focus Areas Developed by the Atlantic Coast Joint Venture Partnership

Connecticut Waterfowl Focus Areas Map

Proposed AT&T Wireless Communications Facility
522 Colebrook Road
Colebrook, Connecticut

ALL-POINTS TECHNOLOGY CORPORATION

at&t

PRELIMINARY WETLAND IMPACT ANALYSIS

August 5, 2013

Site Acquisitions, Inc.
500 Enterprise Drive
Rocky Hill, CT 06067

APT Project No.: CT193990

Attn: Tim Burks

Re: Proposed AT&T Facility
522 Colebrook Road
Colebrook, Connecticut

Dear Mr. Burks,

All-Points Technology Corporation, P.C. ("APT") understands that a wireless telecommunications facility ("Facility") is proposed by New Cingular Wireless PCS, LLC ("AT&T") at 522 Colebrook Road in Colebrook, Connecticut ("subject property"). As proposed, the Facility would consist of a 120-foot tall monopole, antenna arrays and ground-mounted equipment shelter located within a 75' by 75' fenced compound, as well as an approximately 1,337-foot long by 20-foot wide access/utility easement. At your request, APT has completed a preliminary assessment of impacts to wetlands located on the subject property which will be affected by proposed construction of the Facility. This evaluation is based on APT's review of site plans prepared by CHA (titled SR1765 Colebrook, 522 Colebrook Road, Colebrook, CT, latest revision date 07/16/13) and our wetland delineation (as detailed in APT's Wetland Investigation report, dated June 14, 2013, provided previously under separate cover). The findings of this assessment are presented below.

Introduction

APT soil scientists conducted an inspection of the subject property on May 14, 16 and 20, 2013 to determine the presence or absence of wetlands and watercourses within approximately 200 feet of proposed development activities ("Study Area"). A summary of our wetland investigation findings are provided below.

The subject property consists of an approximately 73.1-acre, mostly wooded parcel partially developed with a residence on its western side adjacent to Colebrook Road. The area proposed for the Facility is located adjacent to the southern property boundary in the central portion of the subject property in an area that is currently comprised of mature upland hardwood forest. Access to the Facility is proposed to originate off Smith Hill Road, briefly cross a relatively narrow wetland feature and then generally follow an historic logging "skid" road for a total distance of approximately 1,337 linear feet. The Study Area is dominated by mature upland hardwood forests with complexes of forested hillside seep and isolated depressional wetland systems intermingled with bedrock controlled upland glacial till habitat. Five wetland areas were delineated within the Study Area consisting of four hillside seep and depressional wetland systems and an intermittent stream adjacent to Smith Hill Road, as discussed below.

Wetland Descriptions

Wetland 1 is a relatively small, isolated hillside seep depressional wetland system formed in dense glacial till. Portions of Wetland 1 extend off the subject property to the south across an existing stone wall. This feature is located approximately 475 feet from the proposed Facility.

Wetland 2 is an isolated depressional wetland system formed in bedrock controlled soils. Northern portions of Wetland 2 have had numerous trees blown down, resulting in a re-initiation of the understory vegetation. Wetland 2 is located approximately 175 feet from the proposed Facility, and approximately 30 feet from the proposed access road. This wetland may seasonally pond water that could result in support of vernal pool habitat. However, no use of this wetland by obligate or facultative vernal pool species for breeding was observed during the various wetland investigation dates; no ponding was observed on May 14th or 16th but ponding was observed on May 30th.

Wetland 3 begins near the southeast property corner, paralleling the east property boundary along Smith Hill Road, as a broad depressional wetland seep system. This southern portion of Wetland 3 is characterized by Eastern hemlock "hummock-hollow" wetland system topography (typical to northwestern Connecticut) that potentially supports cryptic vernal pool habitat. The south end of Wetland 3 flows northwest to southeast but then turns from southeast to northwest as a drainage divide exists within this wetland system. As the gradient increases further to the northwest, Wetland 3 transitions to a well-defined intermittent stream with a narrow, well-defined bank. Occasionally, the intermittent stream flows diverge resulting in gutter flow along Smith Hill Road. Two catch basins along the west side of Smith Hill Road collect this runoff (along with road runoff) into a closed drainage system that is discharged to areas east of Smith Hill Road. At the northern extent of Wetland 3, a hillside seep forms as a result of an old road cut. This hillside seep forms mid-slope as it intercepts the seasonal high groundwater table and flows downslope to the north, eventually draining into Smith Hill Road.

Wetland 4 is a very small, isolated depressional wetland feature located mid-slope, formed in dense glacial till. Wetland 4 is located approximately 50 feet from the proposed Facility. Evidence in the form of relic charcoal fragments found in multiple soil test pits indicates that grades in this area may have been altered in the creation of the charcoal pit. The cut into the slope to create the possible charcoal pit likely resulted in the creation of this small wetland pocket through interception of the seasonally high groundwater table.

Wetland 5 is a relatively small, hillside seep wetland system formed in dense glacial till. Wetland 5 generally begins as a seasonal seep breakout as it flows to the north. This feature is located approximately 350 feet from the proposed Facility.

Wetland Evaluation

A comprehensive evaluation of functions and values supported by the five wetland areas identified has not been performed. However, a summary evaluation of wetland functions and values has been completed using a qualitative evaluation methodology based on *The Highway Methodology Workbook Supplement, Wetland Functions and Values: A descriptive Approach issued by the US Army Corps of Engineers New England District, September 1999*, along with best professional judgment from over 25 years of field experience.

The subject property wetlands are all classified as "headwater wetlands" due to their location in the highest reach of the watershed and association with a first order intermittent watercourse. As is typical of headwater wetlands, the wetland's principal and secondary functions include water quality (nutrient and sediment removal/retention/transformation), groundwater discharge, floodflow alteration, production export and wildlife habitat. The degree to which these functions and values are supported is generally proportionally related to the size

of the identified wetlands (e.g., greater for Wetland 3 and lesser for Wetlands 1, 2, 4 and 5). Wetlands 3 and 4 have relatively higher wildlife habitat functions due to the potential for supporting vernal pool habitat.

Wetland Impact Analysis

Approximately 710 square feet of permanent direct wetland impact is associated with the relatively narrow wetland crossing for the proposed access drive near Smith Hill Road at wetland flag WF 3-65. The area of the proposed wetland crossing is located within a historic disturbed portion (appears to be the remnant of an old drainage ditch) of the wetland that is seasonally saturated but does not contain an intermittent watercourse feature; separate intermittent watercourses are located within Wetland 3 both to the north and south.

The proposed wetland crossing was originally designed further to the north, placing it in a slightly wider portion of Wetland 3 and closer to the intermittent watercourse that forms in that area of the wetland. In addition, the original layout of the proposed access drive resulted in additional direct impact to Wetland 3 in an area that may provide vernal pool habitat (at wetland flag 3-20) as well as placing the access drive close to Wetland 2 (at wetland flag 2-01). The currently proposed design has resulted in a reduction of both permanent and secondary wetland impacts by reducing and minimizing the area of wetland impact associated with the proposed crossing, eliminating an impact to Wetland 3 in an area potentially supporting vernal pool habitat and increasing the buffer to Wetland 2.

The permanent and secondary wetland impacts will not result in likely adverse impacts to the principal wetland functions and values. Short-term wetland impacts associated with the Project would be minimized by the proper installation and maintenance of erosion and sedimentation controls in accordance with *2002 Connecticut Guidelines For Soil Erosion and Sediment Control*. Long-term temporary wetland impacts are minimized by the unoccupied nature of the Facility and limited traffic generated by routine maintenance visits (approximately once per month for AT&T). Impervious surfaces associated with the proposed Facility have been minimized with the use of a relatively narrow 12-foot wide gravel access road and gravel surface within the wireless telecommunications facility compound that promotes infiltration. Site clearing and grading activities will not significantly alter the hydrology of nearby wetland areas, including possible vernal pool habitat, as existing surface water drainage patterns will not be altered by the proposed development. In addition, the proposed development will not create decoy pools that could adversely affect breeding amphibians.

The relatively minor wetland impact (710± square feet of permanent impact) proposed for crossing of this drainage ditch type feature is not considered to result in a likely adverse impact to this resource. This assessment is based on the disturbed nature of this wetland feature and the close proximity to Smith Hill Road, which results in a relatively high level of human activity in proximity to this wetland feature that diminishes its wildlife habitat function. This evaluation is also based on the fact that the area of proposed direct wetland impact is to a portion of Wetland 3 that does not have the potential to support vernal pool habitat.

Wetland mitigation is recommended to properly compensate for unavoidable direct and secondary wetland impacts. Some of the details of this mitigation are discussed below. Additional details of the wetland mitigation plan will be provided during the Development & Management Plan phase should the Connecticut Siting Council approve of AT&T's application.

Mitigation

In order to compensate for unavoidable direct wetland impacts and indirect impact to wetlands (i.e., wetland buffer), particularly in proximity to wetlands which may provide vernal pool habitat, APT recommends a comprehensive wetland mitigation plan that incorporates both a wetland protection plan to be implemented during construction as well as enhancements to wetland buffer areas disturbed by the proposed development. A detailed discussion of the proposed wetland mitigation plan is provided below.

Wetland and Vernal Pool Protective Measures Recommendations

As a result of the proposed development's location in proximity to sensitive wetland resource area, including those that may provide vernal pool habitat, the following protective measures are recommended to avoid unintentional impact to wetlands or mortality to vernal pool herptofauna (i.e., spotted salamander, wood frog, etc.) during construction activities.

APT would serve as the Environmental Monitor for this project to ensure that wetland and vernal pool protection measures are implemented properly. The proposed wetland and vernal pool protection program consists of several components: isolation of the project perimeter; periodic inspection and maintenance of isolation structures; herptofauna sweeps; education of all contractors and sub-contractors prior to initiation of work on the site; protective measures; and, reporting.

1. **Seasonal Monitoring**

    a. Should the construction of the wireless telecommunications facility occur during the peak vernal pool migration and breeding period (March 1 to May 30), daily sweeps of the construction area will be performed to avoid potential impact to amphibians and reptiles that may be using nearby wetland/vernal pool habitat.

2. **Isolation Measures**

    a. The extent of the erosion control silt fencing will result in creation of a barrier that will isolate proposed construction areas from surrounding wetland and vernal pool habitat (both on downgradient as well as upgradient sides of the development). Field conditions may require the installation of additional barrier fencing at the direction of APT. The Contractor shall maintain additional supplies of barrier fencing and erosion controls on site for this purpose.

    b. Installation of conventional silt fencing, which will also serve as an isolation of the work zone from surrounding areas and is required for erosion control compliance, shall be performed by the Contractor following clearing activities and prior to any earthwork. APT will inspect the work zone area prior to and following erosion control barrier installation to ensure the area is free of vernal pool herptofauna.

    c. The fencing will consist of conventional erosion control woven fabric, installed approximately six inches below surface grade to bury the bottom of the silt fence and staked at seven to ten-foot intervals using four-foot oak stakes or approved equivalent. In addition to required daily inspection by the Contractor, the fencing will be inspected for tears or breeches in the fabric following installation and at either on a weekly or biweekly inspection frequency by APT throughout the duration of the construction project. If inspections are performed on a biweekly basis, such inspections will also include inspections following storm events of 0.25 inch or greater.

    d. No equipment, vehicles or construction materials shall be stored outside of barrier fencing.

3. **Contractor Education:**

    a. The Contractor's workers shall attend an educational session held by APT prior to the start of construction activities. This orientation and educational session will consist of an introductory session with photos identifying various common vernal pool herptofauna, stressing the non-aggressive nature of these species and the

absence of need to destroy animals that might be encountered, how to properly handle these species if encountered and the need to follow Protective Measures as described in Section 4 below.

b. The Contractor will be provided with cell phone and email contacts for APT Environmental Monitor staff to immediately report any encounters with vernal pool herptofauna. Poster materials will be provided by APT to the Contractor for posting on the job site to maintain worker awareness of the sensitive nature of the job site.

4. Protective Measures

a. A thorough cover search of the construction area will be performed by an APT Environmental Monitor for vernal pool herptofauna prior to and following installation of silt fencing to remove any species from the work zone prior to the initiation of construction activities.

b. Prior to the start of construction each day, the Contractor shall search the entire work area for vernal pool herptofauna.

c. If herptofauna are found, they should be carefully grasped in both hands and placed just outside of the isolation barrier in the approximate direction they were heading.

d. Special care shall be taken by the Contractor during early morning and evening hours so that possible basking or foraging herptofauna are not harmed by construction activities.

e. Any stormwater management features, ruts or artificial depressions that could hold water created intentionally or unintentionally by site clearing/construction activities will be properly filled in and permanently stabilized with vegetation to avoid the creation of vernal pool "decoy pools" that could intercept amphibians moving toward the vernal pools. Stormwater management features such as rip rap apron outfalls will be carefully reviewed in the field to ensure that standing water does not endure for more than a 24 hour period to avoid creation of decoy pools and may be subject to field design changes. Any such proposed design changes will be reviewed by the design engineer to ensure stormwater management functions are maintained.

f. Erosion control measures will be removed no later than 30 days following final site stabilization so as not to impede migration of amphibians or other wildlife.

g. The use of herbicides and pesticides at the proposed wireless telecommunications facility and along the proposed access drive are strictly prohibited.

h. All refueling of vehicles will occur using secondary containment to capture any fuel spills. The Contractor will have spill kits on hand in the event of a fuel release to ensure proper and prompt cleanup.

5. Reporting

a. Biweekly inspection reports (brief narrative and applicable photos) will be submitted to the Connecticut Siting Council for compliance verification. Any observations of vernal pool herptofauna will be included in the reports.

This wetland and vernal pool protection program is consistent with APT's recommendations of previous projects that have been approved by the Connecticut Siting Council (e.g., Docket Numbers 397, 402 and 412). With

adherence to this wetland and vernal pool protection program, the proposed development at this property will not have an adverse effect to wetland resources or on vernal pool species.

Wetland Buffer Enhancement Plantings

APT recommends that any exposed upland soils resulting from the proposed development be permanently stabilized by loam and seeding with a New England Conservation/Wildlife seed mix (New England Wetland Plants, Inc., or approved equivalent). The New England Conservation/Wildlife seed mix provides a permanent cover of grasses, forbs, wildflowers, legumes and grasses to provide both effective erosion control and enhanced wildlife habitat value. This mix is designed to be a no maintenance seeding, and it is appropriate for cut and fill slopes and disturbed areas. In addition, APT recommends that native upland shrubs (e.g;, serviceberry, black chokecherry, gray dogwood, and nannyberry) be planted along the proposed access road and compound in areas disturbed by grading activities, typically defined by the edge of development (e.g., compound fence and edge of gravel road surface) and erosion and sedimentation controls. This buffer enhancement planting of native shrubs will provide food, shelter and nesting habitat for a variety of small animals, in particular several avian species, which will enhance the wildlife habitat value of the buffer between the proposed development and nearby wetland resource area. Additional details of the planting plan will be provided during the Development & Management Plan phase should the Connecticut Siting Council approve of AT&T's application.

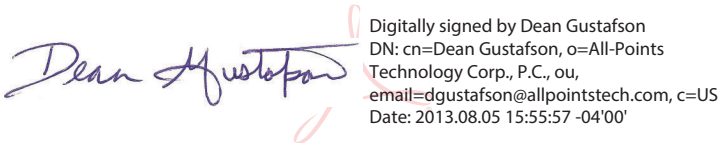
Conclusion

Considering the project results in relatively minimal direct and secondary wetland impacts and with incorporation of the mitigation recommendations contained herein, it is our opinion that no likely adverse impact to wetland resource areas would occur as a result of the proposed AT&T development.

If you have any questions regarding the above-referenced information, please feel free to contact me at dgustafson@allpointstech.com or (860) 984-9515.

Sincerely,

All-Points Technology Corporation, P.C.

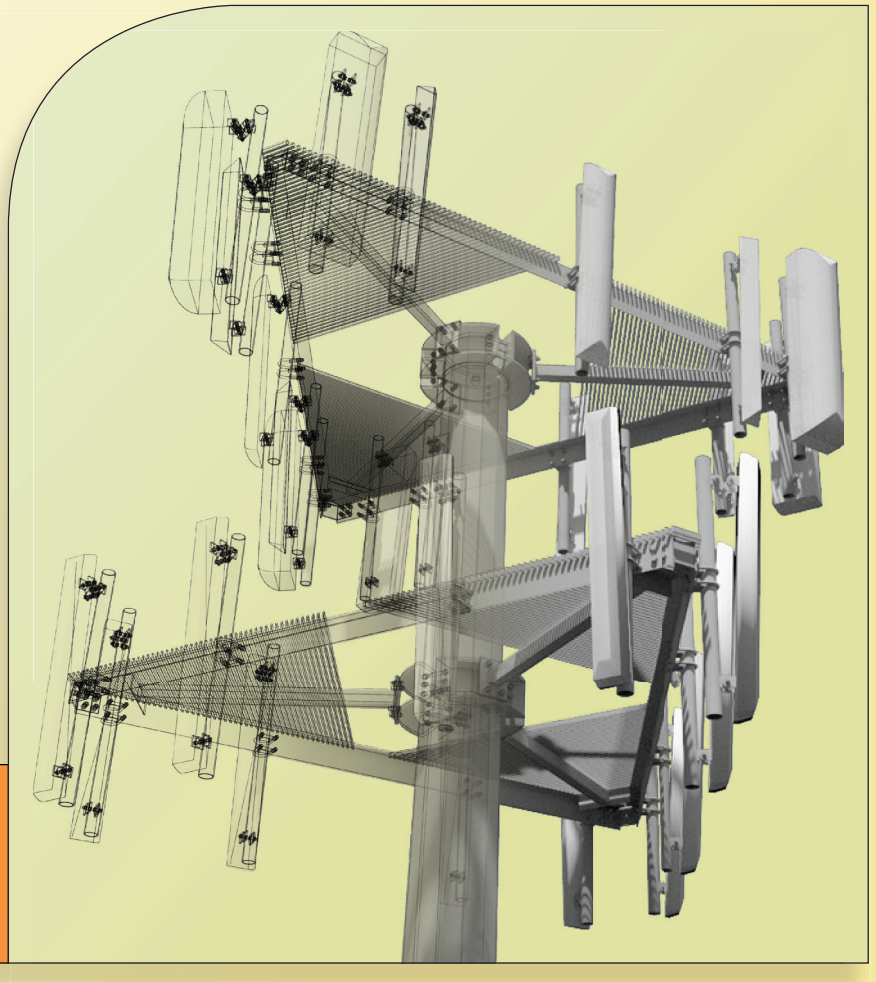


Dean Gustafson
Senior Wetland Scientist

ATTACHMENT 5

Visibility Analysis

SR1765
COLEBROOK
522 COLEBROOK ROAD
COLEBROOK, CT 06021
LITCHFIELD COUNTY



Prepared in June 2013 by:
All-Points Technology Corporation, P.C.
3 Saddlebrook Drive
Killingworth, CT 06141

New Cingular Wireless PCS, LLC dba AT&T

ALL-POINTS
TECHNOLOGY CORPORATION

Project Introduction

New Cingular Wireless PCS, LLC, d/b/a AT&T is pursuing a Certificate of Environmental Compatibility and Public Need ("Certificate") from the Connecticut Siting Council ("Council") for the construction, maintenance and operation of a wireless communications facility ("Facility") at 522 Colebrook Road (Route 183) in Colebrook, Connecticut (identified herein as the "host Property").

The proposed Facility would be located in the southeastern portion of the host Property and include a 120-foot tall monopole tower. AT&T would install a total of twelve (12) panel-type antennas with a center line of 117 feet above ground level ("AGL"). Supporting ground equipment would be housed within a 12-foot by 20-foot free-standing equipment shelter located near the base of the monopole. The entire Facility would be enclosed within a fenced, gravel-base compound measuring approximately 75 feet by 75 feet. The Facility would be located at a ground elevation of 1,366 feet Above Mean Sea Level ("AMSL"). Access to the Facility would be gained via a new, gravel-base drive originating off Smith Hill Road and extending approximately 1,370 feet eastward to the compound. Both the tower and compound are designed to accommodate multiple carriers and municipal emergency service providers, should the need arise.

At the request of AT&T, All-Points Technology Corporation, P.C. ("APT") prepared this Visibility Analysis to evaluate potential views associated with the Facility from within a two-mile radius ("Study Area"). In addition to the Town of Colebrook, the Study Area includes a portion of the neighboring municipality of Winchester.

Site Description and Setting

The 73± acre host Property is identified in Colebrook land records as Map 15, Block 25. Located in a Residential R-2 zone, the host Property is heavily wooded and mostly undeveloped; a single-family home is located in the western portion along Colebrook Road.

Land use within the vicinity of the host Property is a mix of rural residential development and agricultural fields, with large tracts of wooded areas. The host Property is abutted to the east and west by Smith Hill Road and Colebrook Road, respectively; wooded land lies beyond these roads. Largely wooded residential parcels bound the host Property to the south and north. The Town center (within its Village District) is located approximately 0.5 mile to the north.

The topography within the Study Area is characterized by rolling hills and scattered higher peaks with ground elevations that range from approximately 520 feet AMSL to nearly 1,630 feet AMSL. The tree cover within the Study Area (mixed deciduous hardwoods interspersed with stands of mature evergreens) occupies approximately 6,370 acres of the 8,042-acre study area (79%). The average tree canopy is estimated to be approximately 65 feet.

METHODOLOGY

APT used the combination of a predictive computer model and in-field analysis to evaluate the visibility associated with the proposed Facility. The predictive model provides an assessment of potential visibility throughout the entire Study Area, including private properties and other areas inaccessible for direct observations. A balloon float was also conducted to field verify results of the model, inventory visible and nonvisible locations, and to provide photographic documentation from publicly accessible areas. A description of the procedures used in the analysis is provided below.

Preliminary Computer Modeling

Two computer modeling tools are used to calculate those areas from which at least the top of the proposed Facility is estimated to be visible: IDRISI image analysis program (developed by Clark Labs, Clark University) and ArcGIS®, developed by Environmental Systems Research Institute, Inc. Project- and Study Area-specific data were incorporated into the computer model, including the Site locations, Facility height and ground elevations, as well as the surrounding topography and existing vegetation which are two primary features that can block direct lines of sight. Information used in the model included LiDAR[1]-based digital elevation data and customized land use data layers developed specifically for this analysis. The LiDAR-based Digital Elevation Model ("DEM") represents topographic information for the state of Connecticut that was derived through the spatial interpolation of airborne LiDAR-based data collected in the year 2000 and has a horizontal resolution of ten (10) feet. In addition, multiple land use data layers were created from the Natural Resources Conservation Service (through the USDA) aerial photography (1-meter resolution, flown in 2006, 2008, 2010 and 2012) using IDRISI image processing tools. The IDRISI tools implement light reflective classes defined by statistical analysis of individual pixels, which are then grouped based on common reflective values such that distinctions can be made automatically between deciduous and coniferous tree species, as well as grassland, impervious surface areas, water and other distinct land use features. This information is manually cross-checked with the recent USGS topographic land characteristics to quality assure the imaging analysis.

Once the data layers were entered, image processing tools were applied and overlaid onto USGS topographic base maps and aerial photographs to achieve an estimate of locations where the Facility might be visible. First, only the topography data layer (DEM) was incorporated to evaluate potential visibility with no intervening vegetative screening. The initial omission of the forest cover data layer results in an excessive over-prediction, but provides an opportunity to identify and evaluate those areas with potentially direct sight lines toward the Facility.

Eliminating the tree canopy altogether as performed in the preliminary analysis exaggerates areas of visibility because it assumes unobstructed sight lines everywhere but in those locations where intervening topography rises above the height of the proposed Facility. However, using this technique not only allows for an initial identification of direct sight lines, but also to gain some insight regarding seasonal views when the

[1] LiDAR is an acronym for Light Detection and Ranging. It is a technology that utilized lasers to determine the distance to an object or surface. LiDAR is similar to radar, but incorporates laser pulses rather than sound waves. It measures the time delay between transmission and reflection of the laser pulse.

leaves are not on the trees[2]. This preliminary mapping is especially useful during the in-field activities (described below) to further evaluate "leaf-off" scenarios. A purposely low average tree canopy height of 50 feet was incorporated into the forest data layer and added to the DEM for a second iteration of the visibility maps, thus providing a conservative assessment of intervening vegetation for use during the in-field activities to compare the outcomes of the initial computer modeling with direct observations of the balloon float.

Additional data was reviewed and incorporated into the visibility analysis, including protected private and public open space, parks, recreational facilities, hiking trails, schools, and historic districts. The Colebrook Center Historic District is located approximately 0.5 mile north of the host Property. Based on a review of publicly-available information, a portion of State Route 183 (Colebrook Road) is a designated state scenic highway.

In-Field Activities

To supplement and substantiate the results of the computer modeling efforts, APT completed in-field verification activities consisting of a balloon float, vehicular and pedestrian reconnaissance, and photo-documentation.

Balloon Float and Field Reconnaissance

A balloon float was conducted on May 11, 2013. The balloon float consisted of raising an approximately four-foot diameter, helium-filled balloon tethered to a height of 120 feet AGL at the proposed Facility location. Once the balloon was secured at the proposed Facility height, a Study Area reconnaissance was performed by driving along the local and State roads and locations where the balloon could be seen above/through the tree mast and canopy were inventoried. Visual observations from the reconnaissance were also used to evaluate the results of the preliminary visibility mapping and identify any discrepancies in the initial modeling. On May 11, 2013 weather conditions included partly sunny skies with a temperature of approximately 60 degrees Fahrenheit and calm winds (less than 4 mph).

During the balloon float, several trees were randomly surveyed using a hand-held infrared laser range finder and Suunto clinometer to ascertain their heights. Numerous locations were selected to obtain tree canopy heights, including along roadways, wooded lots, and high- and low-lying areas to provide for the irregularities associated with different land characteristics and uses found within the Study Area. The average canopy height was developed based on measurements and comparative observations, in this case approximately 65 feet AGL. Throughout Connecticut, the tree canopy height varies from about 55 feet to in excess of 80 feet (where eastern white pine becomes a dominant component of the forest type, average tree heights may be even slightly higher). This general uniformity is most likely the result of historic state-wide clear cutting of forests to produce charcoal and fuelwood, not only for home use, but also for the local brick,

[2] Visibility varies seasonally with increased, albeit obstructed, views occurring during "leaf-off" conditions. Each individual Study Area includes mature vegetation with a unique composition and density of woodlands, with mast or pole timber and branching providing the majority of screening in leafless conditions. Because tree spacing, dimensions and branching patterns as well as the understory differ greatly over even small areas, creating an accurate Study Area-specific "leaf-off" tree density data layer covering a two-mile radius becomes unmanageable. Considering that a given Study Area has its own discrete forest characteristics, modeling for seasonal variations of visibility is problematic and, in our experience, even when incorporating conservative constraints into the model, the results tend to over-predict visibility in "leaf-off" conditions.

brass, and iron industries from the late 1800s to early 1900s[3]. Approximately 69% of Connecticut's forests are characterized as mature[4].

Information obtained during the balloon float was subsequently incorporated into the computer model to refine the visibility map.

Photographic Documentation

During the balloon floats, field reconnaissance were completed by driving the public roads within the Study Area and recording observations, including photo-documentation, of those areas where the balloon was and was not visible. Photographs were obtained from several vantage points to document the view towards the proposed Facility. At each photo location, the geographic coordinates of the camera's position were logged using global positioning system ("GPS") equipment technology.

Photographs were taken with a Nikon D-3000 digital camera body and Nikon 18 to 135 millimeter ("mm") zoom lens, with the lens set to 50mm to approximate views similar to that achieved by the human eye.

> *"The lens that most closely approximates the view of the unaided human eye is known as the normal focal-length lens. For the 35 mm camera format, which gives a 24x36 mm image, the normal focal length is about 50 mm.[5]"*

The table below summarizes characteristics of the photographs presented in the attachment to this report including a description of each location, view orientation, the distance from where the photo was taken relative to the proposed Facility, and whether the balloon was visible or not.

Photo No.	Location	View Orientation	Distance to Facility	Visibility
1	Adjacent to #16 Sandy Brook Road	Southeast	± 1.85-Mile	Not Visible
2	Route 182a	Southeast	± 0.58-Mile	Not Visible
3	Route 183 Adjacent to Colebrook Center Cemetery	Southeast	± 0.65-Mile	Not Visible*
4	Adjacent to #381 Smith Hill Road	Northwest	± 0.54-Mile	Not Visible
5	Colebrook Center - Route 183 North of Post Office	Southeast	± 0.44-Mile	Not Visible
6	Adjacent to #33 Stillman Hill Road	Northeast	± 0.82-Mile	Year-round

* Potential seasonal visibility

[3] Ward, J.S., Worthley, T.E. Forest Regeneration Handbook. A guide for forest owners, harvesting practitioners, and public officials. The Connecticut Agricultural Experiment Station and University of Connecticut, Cooperative Extension. Pg. 5.

[4] USDA Resource Bulletin NE-160, 2004.

[5] Warren, Bruce. Photography, West Publishing Company, Eagan, MN, c. 1993, (page 70).

Final Visibility Mapping

Field data and observations were incorporated into the mapping data layers, including the photo locations, areas that experienced land use changes since the 2010 aerial photo flight, and those places where the initial model was found to either under or over-predict visibility.

The revised average tree canopy height data layer (using 65 feet AGL) was merged with the DEM and added to the base ground elevations. As a final step, forested areas were extracted from areas of potential visibility, assuming that a person standing within a forest would not be able to view the Facility from beyond a certain distance due to the presence of intervening tree mast and/or understory. APT elected to use a distance of 500 feet for this analysis. Each location is dependent on the specific density and composition of the surrounding woodlands, and it is understood that some locations within this distance could provide visibility of at least portions of the Facility at any time of the year. In “leaf-on” conditions, this distance may be overly conservative as the deciduous vegetation would substantially hinder direct views in many cases at close range. However, even in “leaf off” conditions when views expand, tree mast can still serve to block lines of sight, even at distances less than 500 feet. For purposes of this analysis, it was reasoned that contiguous forested land beyond 500 feet of the Facility would consist of light-impenetrable trees of a uniform height.

Once the additional data was integrated into the model, APT re-calculated the visibility of the Facility from within the Study Area to produce the final visibility map.

Photographic Simulations

A photo simulation of the proposed Facility was generated for photograph location 6, where the balloon was visible above the tree canopy during the in-field activities. The photo simulation portrays a scaled rendering of the Facility from this location. Using field data, site plan information and 3-dimension (3D) modeling software, spatially referenced models of the site area and Facility were generated and merged. The geographic coordinates obtained in the field for the photograph locations were incorporated into the model to produce virtual camera positions within the spatial 3D model. The photo simulation was then created using a combination of renderings generated in the 3D model and photo-rendering software programs[6].

A photolog map (depicting the photo locations), photo-documentation and the simulation are presented in the attachment at the end of this report. The photograph of the balloon is included to provide a visual reference point for the location, height and proportions of the proposed Facility relative to the scene.

As stated earlier, APT has elected to use a 50 mm focal length whenever possible; however, there are occasions when the use of a wider-angle lens setting is preferred. For presentation purposes in this report, the photographs are produced in an approximate 7" by 10.5" format. When viewing in this format size, we believe it is important to provide the largest representational image while maintaining an accurate relation of sizes between objects within the frame of the photograph.

[6] As a final step, the accuracy and scale of select simulations are tested against photographs of existing Facilities with recorded camera position, focal length, photo location, and Facility location.

Visibility Analysis Results

Results of this analysis are graphically displayed on the visibility analysis map provided in the attachment at the end of this report. A total of 45± acres within the Study Area would have some visibility of the proposed Facility above the tree canopy year-round (that is, during both "leaf-off" and "leaf-on" conditions). This represents slightly more than one-half of one percent (0.005) of the 8,042-acre Study Area. As depicted on the visibility analysis map, year-round visibility associated with proposed Facility beyond the host Property would be limited to a short section (a few hundred feet) along the crest of Stillman Hill Road (State Route 182) approximately 0.8 mile southwest of the proposed site location, over open agricultural fields (see Photo 6). Two residential properties may attain at least partial year-round views of the proposed Facility from this general area.

We estimate that approximately 23 additional acres have the potential to offer some views of the Facility through the trees during "leaf-off" conditions. These areas are generally located within the immediate vicinity of the proposed Facility, on the host Property, and along a short section of Route 183 north of the Town center (represented in Photo 3), adjacent to the Colebrook Center Cemetery. Although the balloon was not visible in this area, it is possible that the Facility may be partially visible through the trees in this general area. It is possible that one or two residential properties in this area may have limited views of the Facility through the intervening trees when the leaves are off the deciduous trees. This area is nearly 0.75 mile from the Facility site. Similarly, areas adjoining the open field north of Stillman Hill Road may also have limited seasonal views of the Facility through the deciduous tree mast.

The minimal predicted overall visibility of the proposed Facility throughout the Study Area is the result of its relatively low height and location on a broad, heavily forested hill, combined with the rugged topography and dense mature tree canopy found within the Study Area. No near views (within 0.5 mile) of the Facility off the host Property are anticipated. The plateau along Stillman Hill Road does offer a vista to the northwest that includes the host Property's hill, where the Facility would be seen rising nearly 40 feet above the tree canopy ridgeline. This is the only location within the Study Area where sufficient elevation and direct lines of sight would offer views of the Facility on a year-round basis. Based on the Facility's height above the tree canopy from this area, implementing a stealth option for the tower (such as a "monopine") would not substantially minimize the view from this perspective (see simulations for Photo 6).

Proximity to Schools and Commercial Child Day Care Centers

No school or commercial child day care facilities are located within 250 feet of the proposed Facility. The nearest school (The Colebrook Consolidated School) is located approximately 0.25 mile to the north on Smith Hill Road. The nearest commercial child day care center (Colebrook Child Care) is located at 238 Colebrook River Road, Winsted, Connecticut, approximately 2.44 miles southeast of the proposed Facility. Neither of these locations would have views of the proposed Facility.

ATTACHMENTS

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
1	**ADJACENT TO #16 SANDY BROOK ROAD**	**SOUTHEAST**	**+/- 1.85 MILES**	**NOT VISIBLE**

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DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
2	**ROUTE 182A**	**SOUTHEAST**	**+/- 0.58 MILE**	**NOT VISIBLE**

ALL-POINTS TECHNOLOGY CORPORATION

at&t

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
3	**ROUTE 183 ADJACENT TO COLEBROOK CENTER CEMETERY**	**SOUTHEAST**	**+/- 0.65 MILE**	**NOT VISIBLE**

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
4	**ADJACENT TO #381 SMITH HILL ROAD**	**NORTHWEST**	**+/- 0.54 MILE**	**NOT VISIBLE**

ALL-POINTS TECHNOLOGY CORPORATION

at&t

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
5	**COLEBROOK CENTER ROUTE 183 JUST NORTH OF POST OFFICE**	**SOUTHEAST**	**+/- 0.44 MILE**	**NOT VISIBLE**

ALL-POINTS TECHNOLOGY CORPORATION

at&t

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
6	**ADJACENT TO #33 STILLMAN HILL ROAD**	**NORTHEAST**	**+/- 0.82 MILE**	**YEAR ROUND**

SIMULATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
6	**ADJACENT TO #33 STILLMAN HILL ROAD**	**NORTHEAST**	**+/- 0.82 MILE**	**YEAR ROUND**

ALL-POINTS TECHNOLOGY CORPORATION

at&t

SIMULATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
6	**ADJACENT TO #33 STILLMAN HILL ROAD**	**NORTHEAST**	**+/- 0.82 MILE**	**YEAR ROUND**

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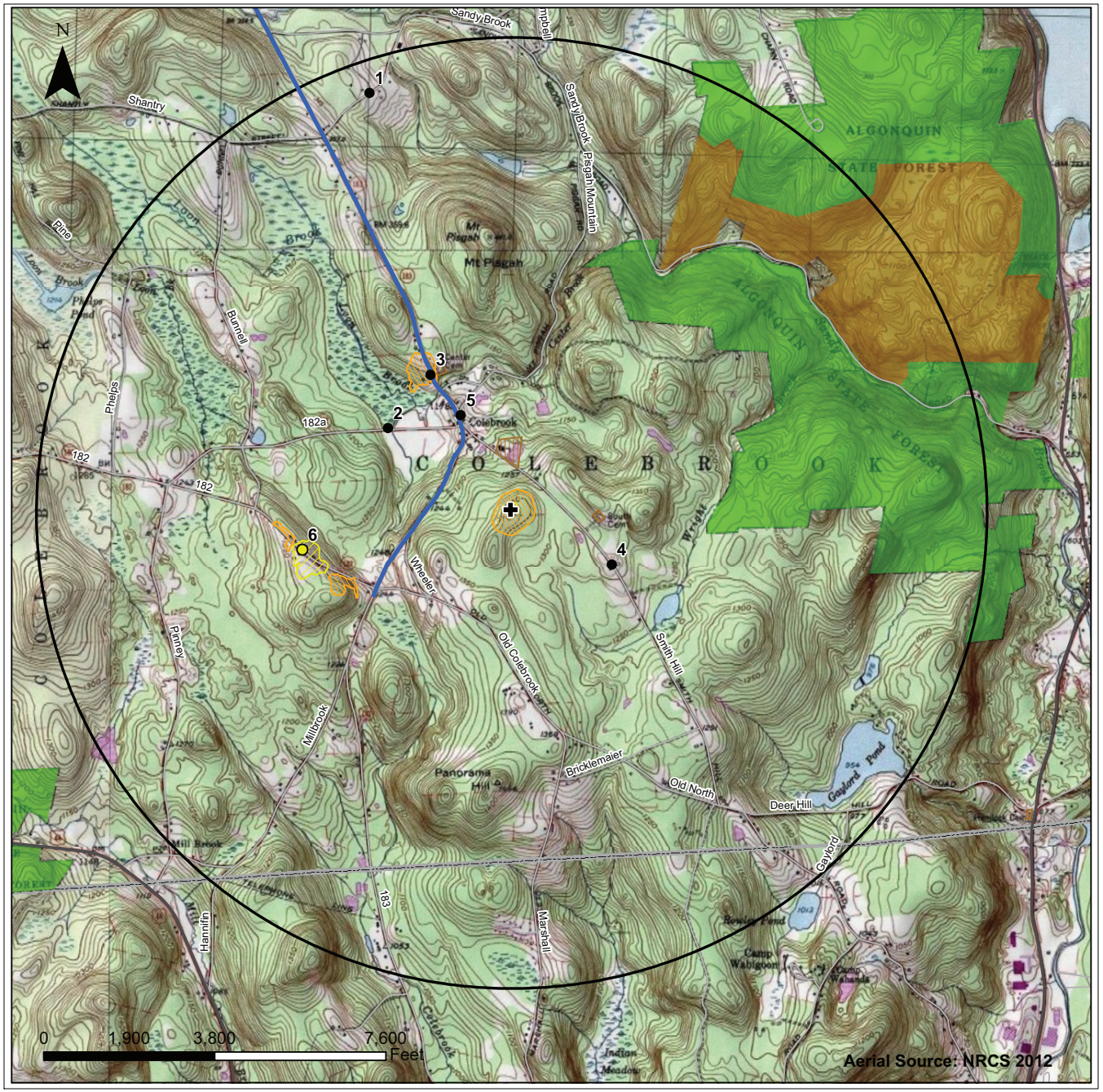

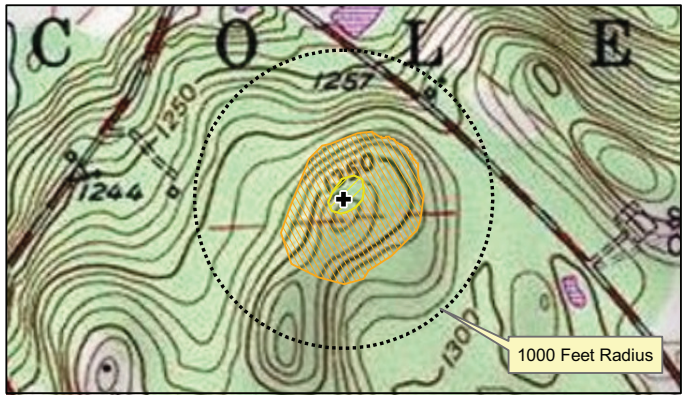

VISIBILITY ANALYSIS - TOPO BASE

Proposed Wireless Telecommunications Facility

522 COLEBROOK ROAD
COLEBROOK, CT

Proposed facility height is 120 feet AGL
Existing tree canopy height estimated at 65 feet AGL
Study area includes 8,042 acres of land

Map compiled 6/27/2013

Map information field verified by All-Points Technology Corporation on May 11, 2013

Only those resources located within the Study Area are depicted. For a complete list of data sources consulted for this analysis, please refer to the Documentation Page.

Legend

- Proposed Facility

Photo Locations

- No Visibility
- Year-round Visibility
- Scenic Highways
- Predicted Year-Round Visibility
- Predicted Seasonal Visibility
- Municipal Private Open Space
- 2-Mile Study Area
- State Forest
- Wildlife Area or Sanctuary
- Town

Location

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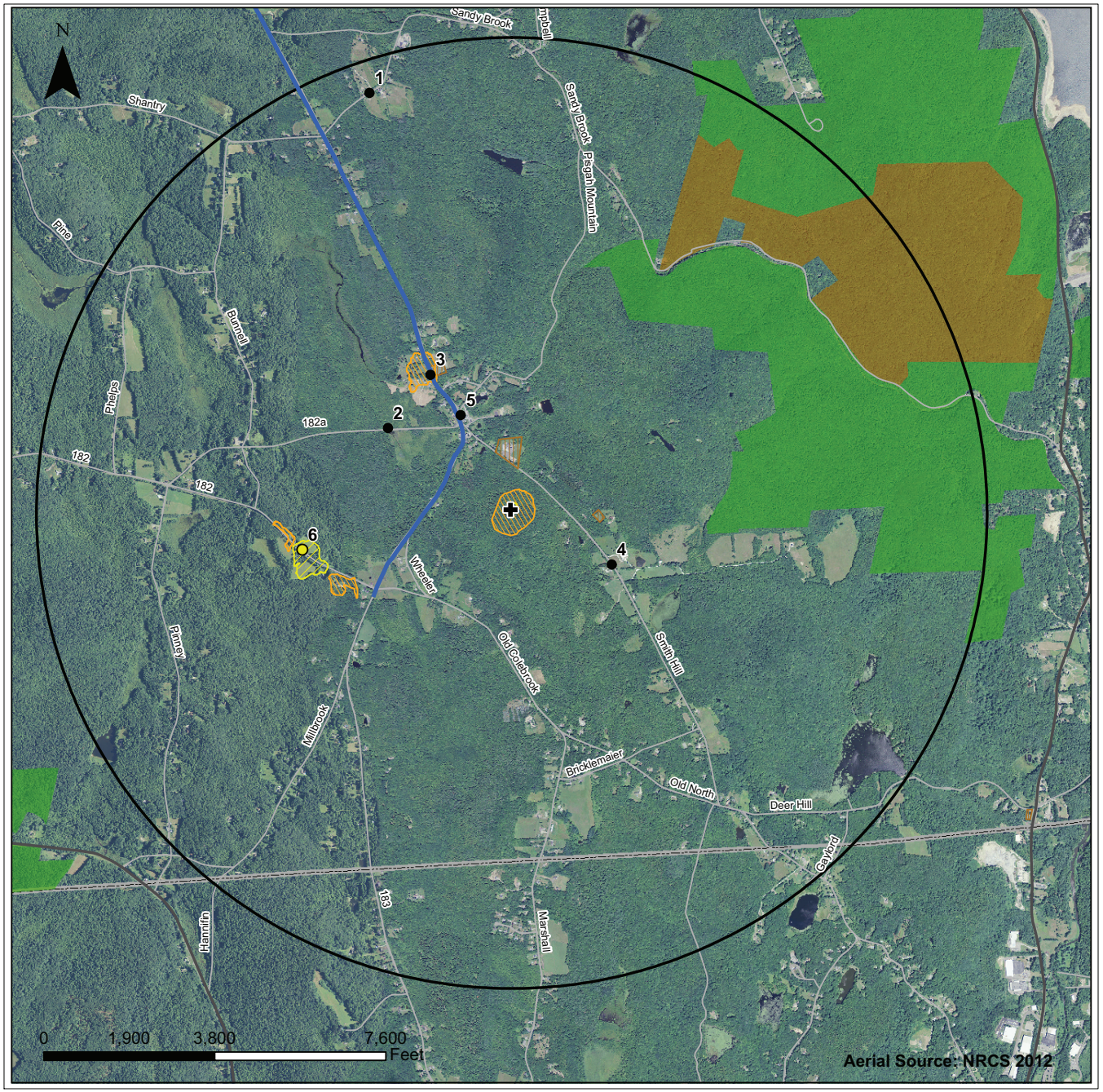
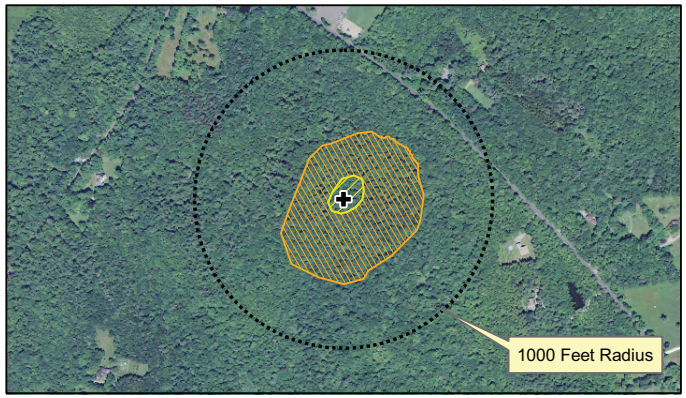
at&t





VISIBILITY ANALYSIS - AERIAL BASE

Proposed Wireless Telecommunications Facility

522 COLEBROOK ROAD
COLEBROOK, CT

Proposed facility height is 120 feet AGL
Existing tree canopy height estimated at 65 feet AGL
Study area includes 8,042 acres of land

Map compiled 6/27/2013

Map information field verified by All-Points Technology Corporation on May 11, 2013

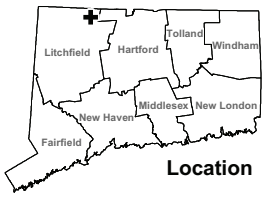
Only those resources located within the Study Area are depicted. For a complete list of data sources consulted for this analysis, please refer to the Documentation Page.

Legend

- Proposed Facility

Photo Locations

- No Visibility
- Year-round Visibility
- Scenic Highways
- Predicted Year-Round Visibility
- Predicted Seasonal Visibility
- Municipal Private Open Space
- 2-Mile Study Area
- State Forest
- Wildlife Area or Sanctuary
- Town



Location

ALL-POINTS
TECHNOLOGY CORPORATION
3 Saddlebrook Drive Killingworth, CT 06419
www.allpointstech.com

at&t

DOCUMENTATION

SOURCES CONSULTED FOR VISBILITY ANALYSIS
522 Colebrook Road
Colebrook, CT

Physical Geography / Background Data

Center for Land Use Education and Research, University of Connecticut (http://clear.uconn.edu)
- *Land Use / Land Cover (2006)
- *Coniferous and Deciduous Forest (2006)
- *LiDAR data – topography (2000)

United States Geological Survey
- *USGS topographic quadrangle maps – Winsted, CT and Tolland Center, MA quads (1984)

National Resource Conservation Service
- *NAIP aerial photography (2006, 2008, 2010, 2012)

Heritage Consultants
- ^State Scenic Highways (based on Department of Transportation data, updated monthly)
- ^Municipal Scenic Roads (by website, phone and/or email/fax - current)

Cultural Resources

Heritage Consultants
- ^National Register
- ^ Local Survey Data

Dedicated Open Space & Recreation Areas

Connecticut Department of Energy and Environmental Protection (DEEP)
- *DEEP Property (May 2007)
- *Federal Open Space (1997)
- *Municipal and Private Open Space (1997)
- *DEEP Boat Launches (1994)

Connecticut Forest & Parks Association
- ^Connecticut Walk Books West – The Guide to the Blue-Blazed Hiking Trails of Western Connecticut, 19th Edition, 2006.

Other

- ^ConnDOT Scenic Strips (based on Department of Transportation data)

*Available to the public in GIS-compatible format (some require fees).
^ Data not available to general public in GIS format. Reviewed independently and, where applicable, GIS data later prepared specifically for this Study Area.

ATTACHMENT 6

Department of Economic and Community Development

Connecticut
still revolutionary

July 19, 2013

Mr. Michael Libertine
All-Points Technology Corporation
3 Saddlebrook Drive
Killingworth, CT 06457-1847

Subject: Proposed Telecommunications Facility
522 Colebrook Road
Colebrook, CT
AT&T Mobility

Dear Mr. Libertine:

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

After completing review of the proposed installation site, including a Visual Analysis Report from 2009, this office is reiterating its determination that while the facility will be constructed within the APE of the Colebrook Center National Register of Historic Places District, the undertaking will have a conditional no adverse effect on cultural resources, with the following conditions.

1. the 120' monopole, 12' x 20' equipment shelter enclosed by a 75' x 75' fenced gravel compound will be designed and installed to be as non-visible as possible,

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

The State Historic Preservation Office appreciates the opportunity to review and comment upon this project. These comments are provided in accordance with the Connecticut Environmental Policy Act and Section 106 of the National Historic Preservation Act. For further information please contact Todd Levine, Environmental Reviewer, at (860) 256-2759 or todd.levine@ct.gov.

Sincerely,

Daniel T. Forrest
State Historic Preservation Officer

Connecticut Department of

ENERGY &
ENVIRONMENTAL
PROTECTION

June 18, 2013

Dean Gustafson
All-Points Technology Corporation, P.C.
3 Saddlebrook Dr
Killingworth, CT 06419
dgustafson@allpointstech.com

Project: New Telecommunications Tower and Access Road, AT&T Colebrook - Site No. SR1765, 522 Colebrook Rd (State Route 183), Colebrook
NDDB Determination No.: 201303060

Dear Dean Gustafson,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map provided for the proposed New Telecommunications Tower and Access Road, AT&T Colebrook - Site No. SR1765, 522 Colebrook Rd (State Route 183), Colebrook, Connecticut. I have determined that the proposed activities will not impact any extant populations of Federal or State Endangered, Threatened or Special Concern Species that occur in the vicinity of this property. This determination is good for one year. Please re-submit an NDDB Request for Review if the scope of work changes or if work has not begun on this project by June 18, 2014.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits.

Please contact me if you have further questions at (860) 424-3592, or dawn.mckay@ct.gov . Thank you for consulting the Natural Diversity Data Base.

Sincerely,

Dawn M. McKay

Dawn M. McKay
Environmental Analyst 3

ATTACHMENT 7

CUDDY & FEDER LLP

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

February 28, 2011

VIA FEDERAL EXPRESS
First Selectman Thomas D. McKeon
Town of Colebrook
Town Hall
562 Colebrook Road
P.O. Box 5
Colebrook, Connecticut 06021-0005
(860) 379-3359

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
522 Colebrook Road
Colebrook, Connecticut

Dear First Selectman McKeon:

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 522 Colebrook Road in the Town of Colebrook. As you 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 in the Town of Colebrook 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 Colebrook 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 Colebrook 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 Chiocchio

Lucia Chiocchio

Enclosure

cc: w/ enclosures:
Karen Griswold Nelson, Land Use Administrator/Zoning Enforcement Officer
Michelle Briggs, AT&T
Jonathan McNeal, 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

March 22, 2011

VIA FEDERAL EXPRESS
First Selectman Thomas D. McKeon
Town of Colebrook
Town Hall
562 Colebrook Road
P.O. Box 5
Colebrook, Connecticut 06021-0005
(860) 379-3359

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
522 Colebrook Road
Colebrook, Connecticut

Dear First Selectman McKeon:

Per your request and on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T"), we are forwarding to you additional sets of AT&T's Technical Report for its proposed wireless telecommunications tower facility to be located at 522 Colebrook Road in the Town of Colebrook.

Kindly note that the Site Search Summary provided in Section 2 of the enclosed Technical Report was updated to include the results of AT&T's investigation of a 90 acre property on Rockwell Road (number 27 in the Site Search Summary). As noted therein, this property was ultimately not selected as a facility at this location would not meet AT&T's coverage objectives for this area.

As we discussed last week, we would appreciate the opportunity to meet with you to review the Technical Report and will follow up to discuss scheduling of a meeting.

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

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

Enclosure

cc: w/ enclosures:
Karen Griswold Nelson, Land Use Administrator/Zoning Enforcement Officer
Michelle Briggs, AT&T
Jonathan McNeal, SAI Communications
Christopher B. Fisher, Esq.

C&F: 1624269.1

AT&T

PROPOSED CELLULAR TOWER FACILITY
522 COLEBROOK ROAD
COLEBROOK, CONNECTICUT

Application Process

- Connecticut Siting Council has exclusive jurisdiction over tower facilities (C.G.S. §§16-50i and x)

- The siting of wireless facilities is also governed by federal regulations - Section 704 of the Telecommunications Act of 1996

- We're here as part of the municipal consultation process incorporated into the state statutory siting procedures for new tower proposals

Tonight's Information Session

- Overview of the project and review with updates of the information presented in the Technical Report

- Listen to comments from the public and answer questions from technical team

- Discuss follow up

A Few Items to Note

- The selection and design of a new tower facility requires the coordination of several design and siting professionals all of whom gather, analyze and utilize a great amount of data over several months when selecting a site and designing a needed facility

- Keep in mind that local regulations may not regulate the placement, construction or modification of wireless facilities on the basis of the environmental effects of radio frequency emissions as long as the facilities meet standards set by the FCC. The Telecommunications Act, 47 USC § 332(c)(7)(B)

AT&T's Presentation

- An explanation of the need for the proposed Facility – C Squared

- An explanation of the site selection process – Site Acquisition

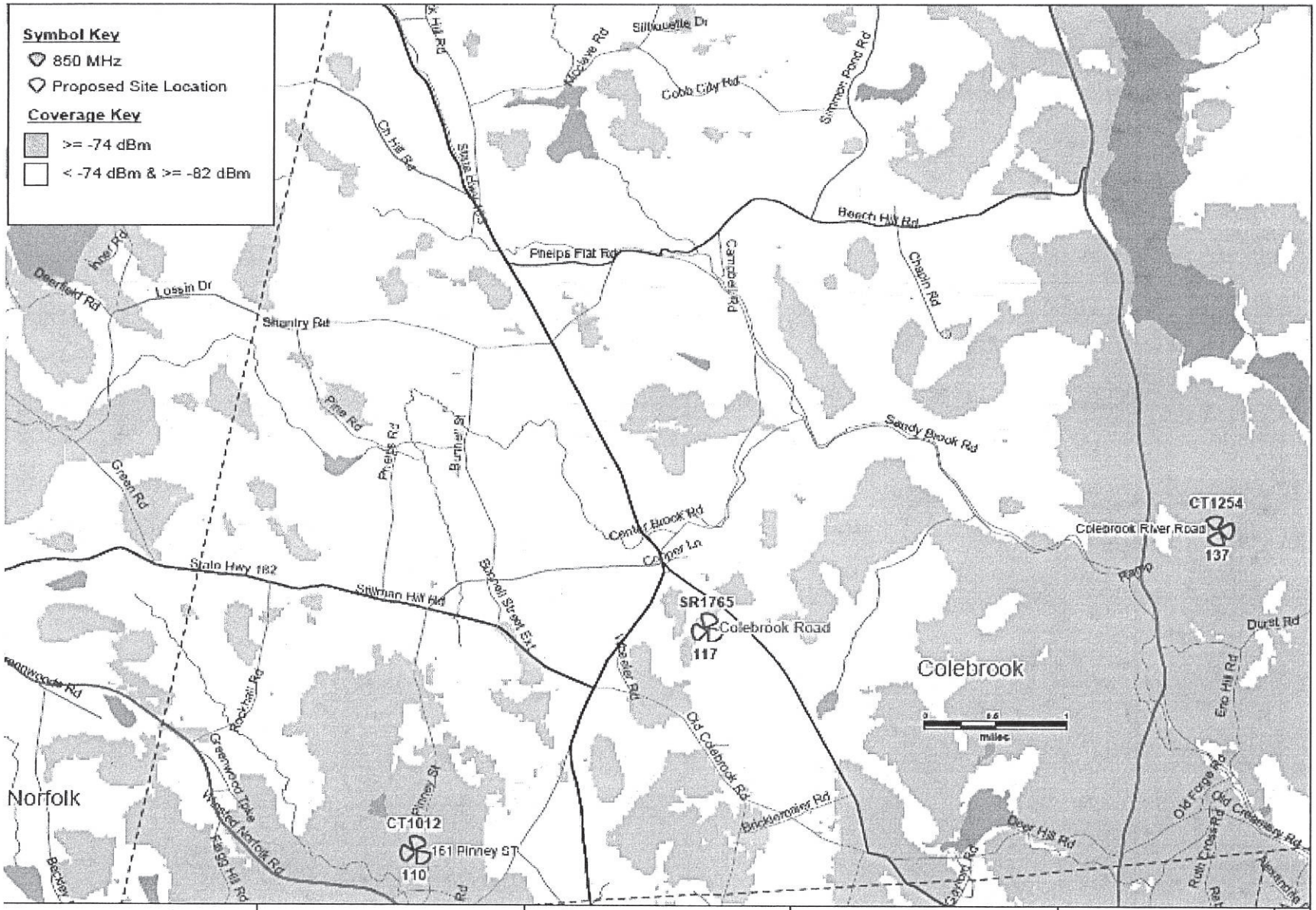
- A review of the design with updates for the proposed Facility – CHA

- A summary of the results of the Visual Analysis Report – CHA

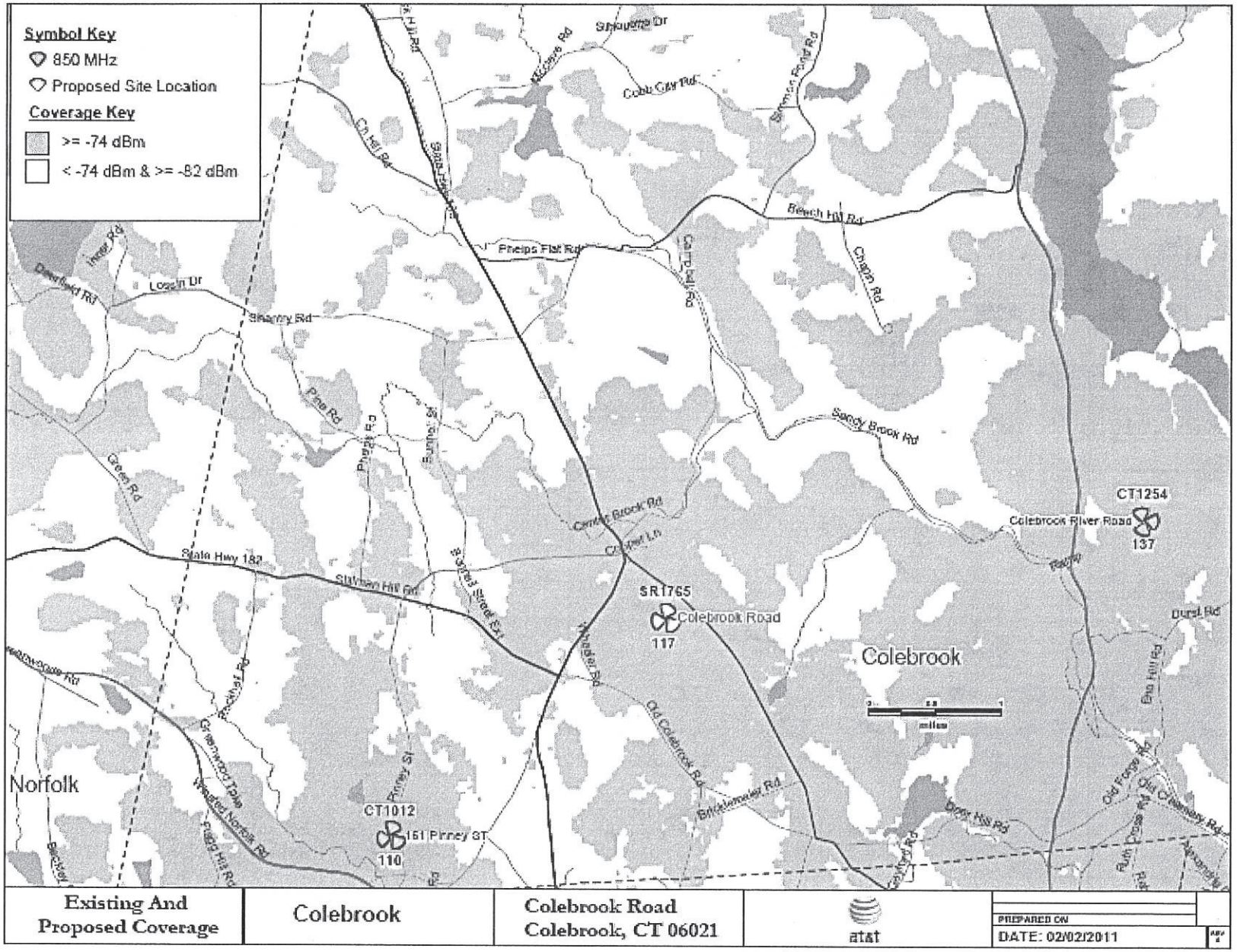
AT&T's Need for the Proposed Facility

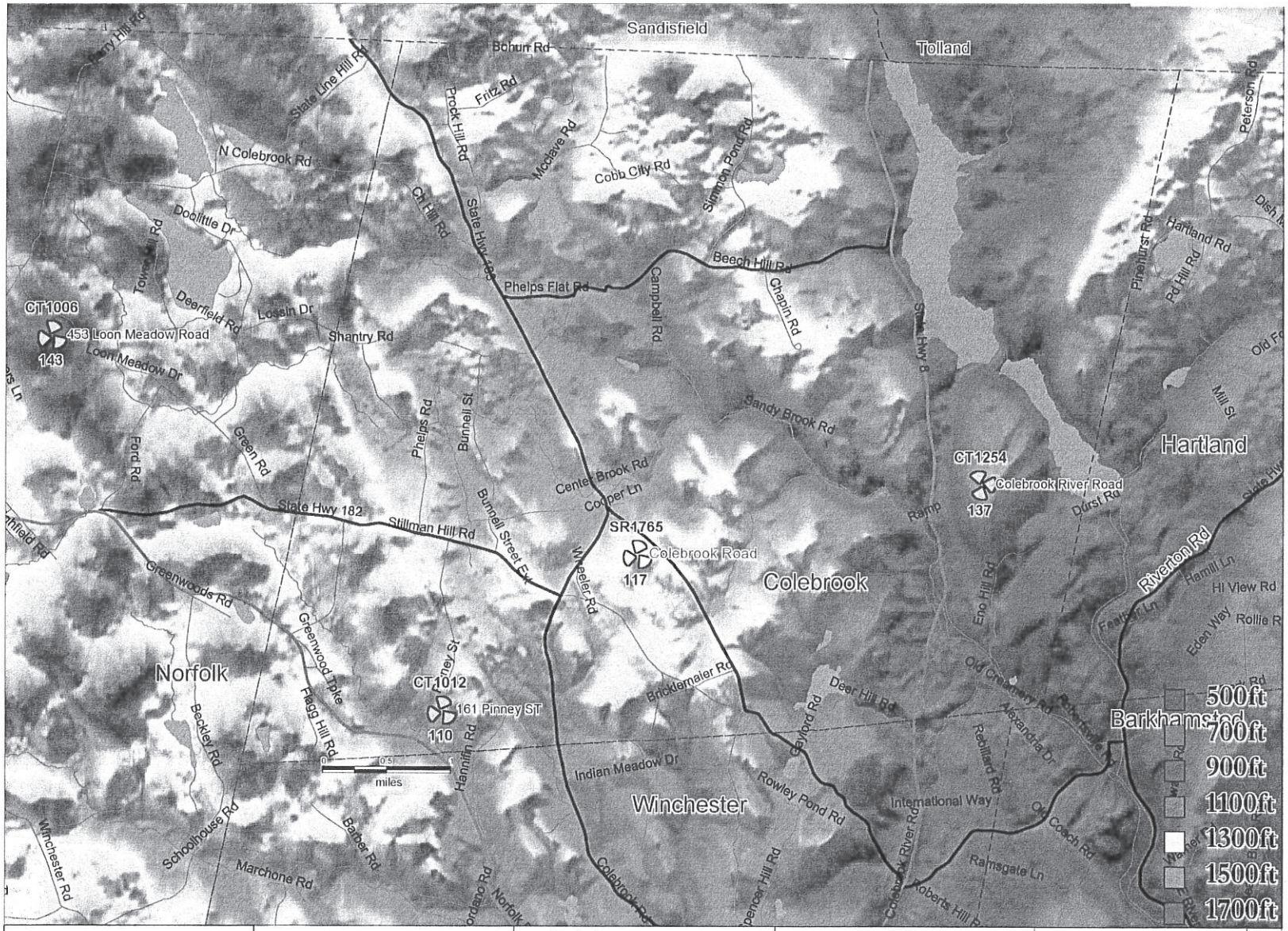
Reliable Service along Routes 182 & 183
and
Surrounding Areas

at&t

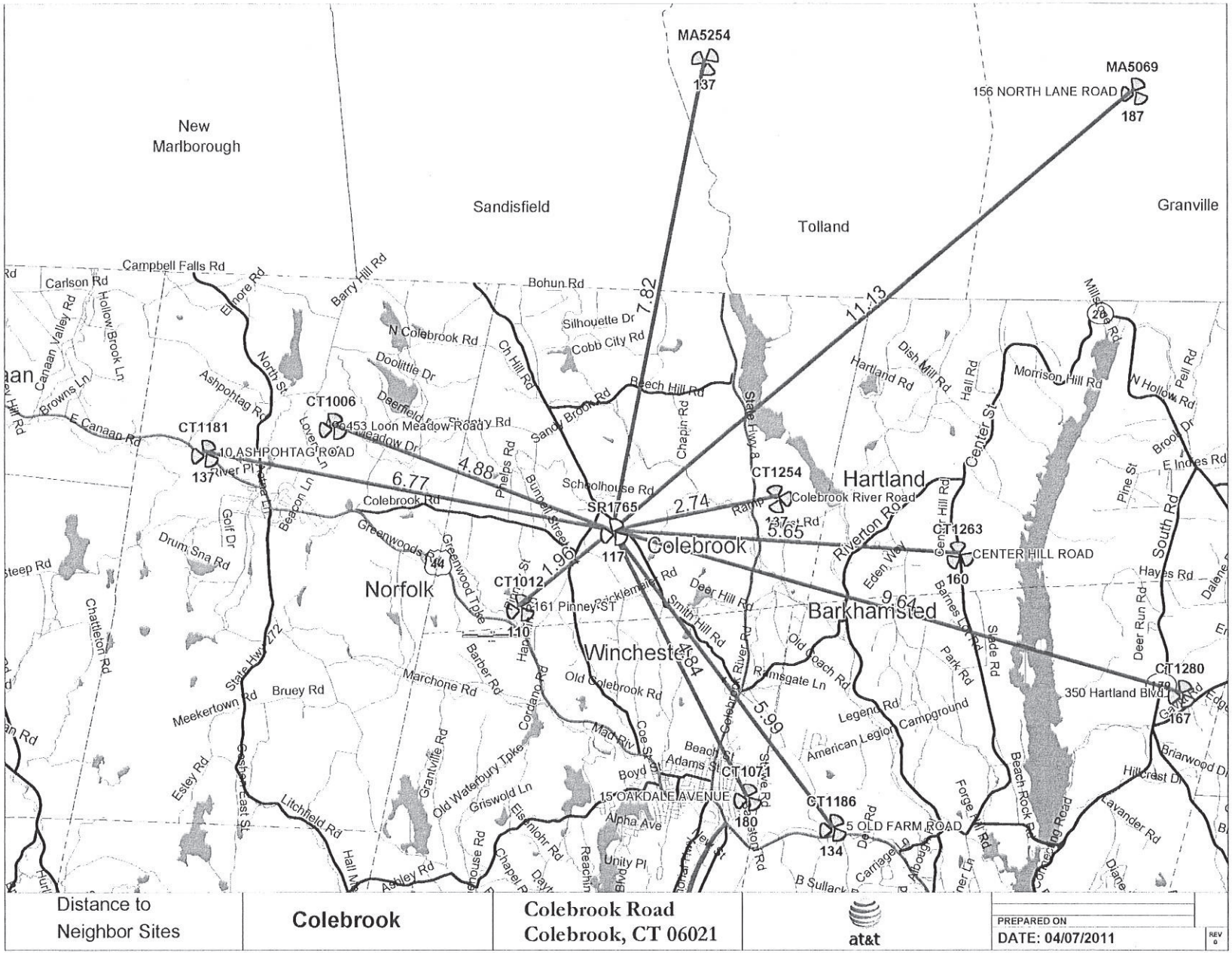


Existing Coverage	Colebrook	Colebrook Road Colebrook, CT 06021	at&t	PREPARED ON DATE: 02/02/2011


Symbol Key
850 MHz
Proposed Site Location
Coverage Key
>= -74 dBm
< -74 dBm & >= -82 dBm
Colebrook
Norfolk
SR1765
Colebrook Road
117
CT1254
Colebrook River Road
137
CT1012
151 Pinney ST
110
Existing And Proposed Coverage
Colebrook
Colebrook Road
Colebrook, CT 06021
PREPARED ON
DATE: 02/02/2011



3D Terrain	Colebrook	Colebrook Road Colebrook, CT 06021	at&t	PREPARED ON DATE: 04/07/2011	REV 0



Distance to Neighbor Sites	Colebrook	Colebrook Road Colebrook, CT 06021	at&t	PREPARED ON DATE: 04/07/2011 REV 0

Site Selection Summary

- Site Search Area is established where a coverage need has been identified

- AT&T Site Acquisition investigates existing towers and structures with RF Engineers to determine the feasibility of co-location

Site Selection Summary

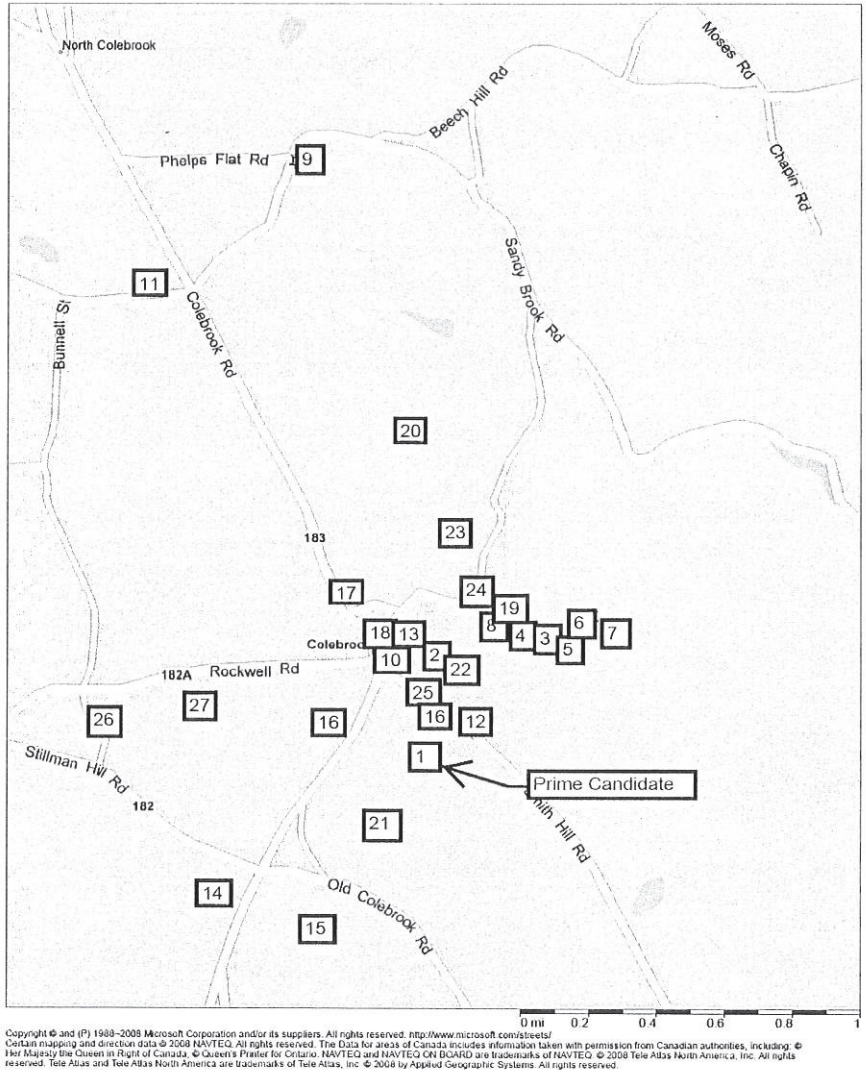
- If no existing towers or facilities are feasible, AT&T investigates parcels where the public need for service and environmental impact of a new facility can be appropriately balanced

- AT&T investigated over 30 properties, including several Town-owned parcels

- The Technical Report summarizes AT&T's investigation of sites

Site Selection Summary

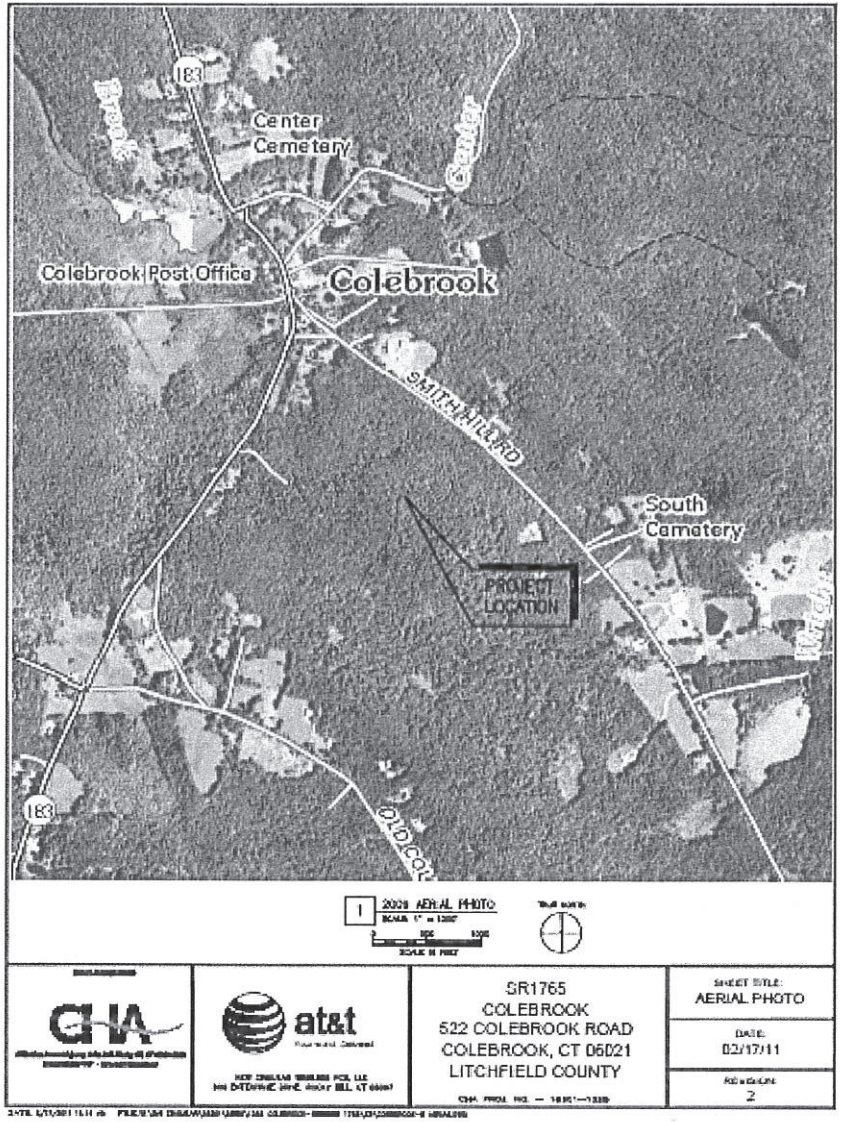
SR-1765 CANDIDATES MAP



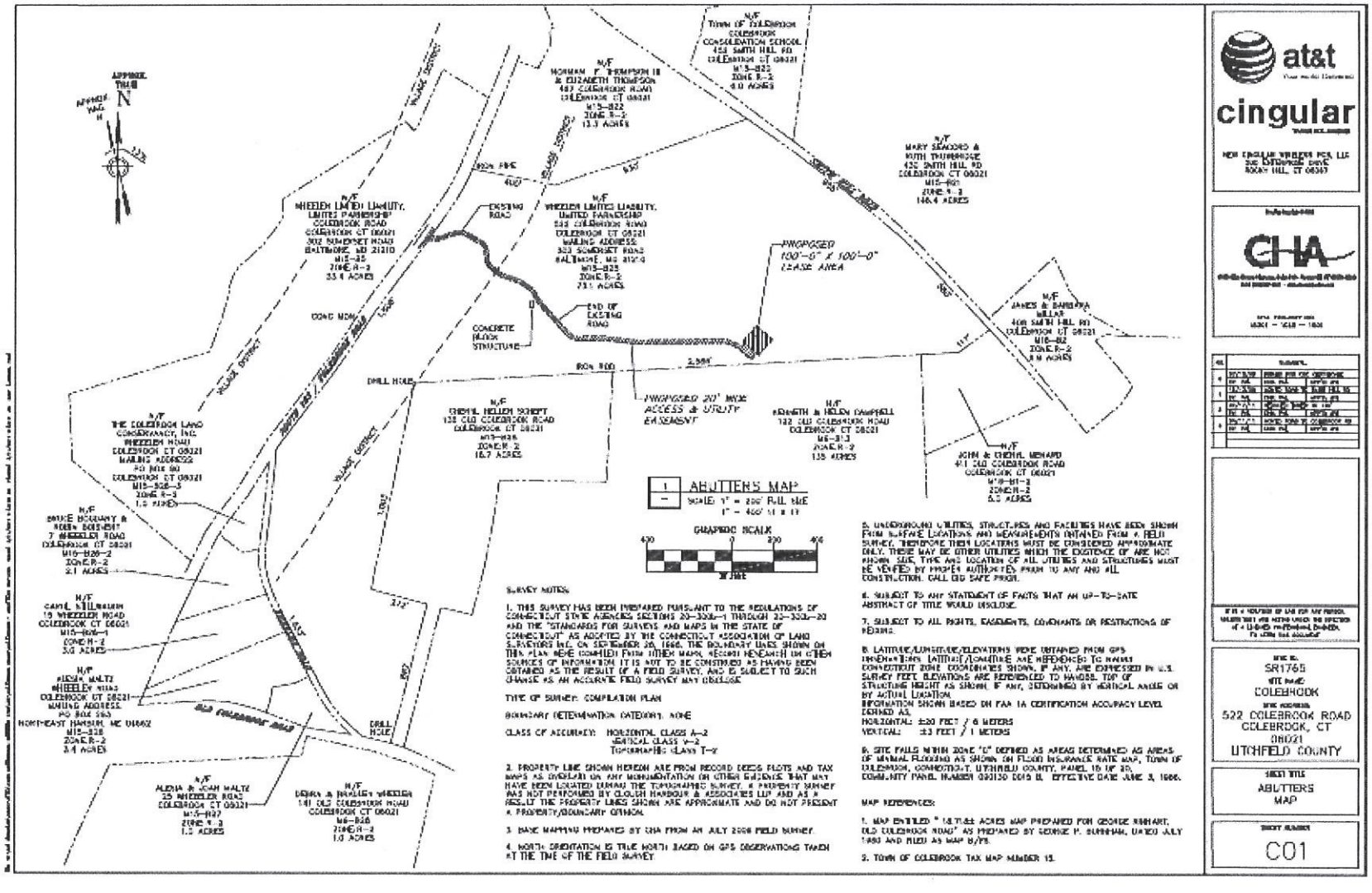
General Facility Description

- Approximately 73 acre parcel at 522 Colebrook Rd with frontage on Colebrook Rd and Smith Hill Rd
- Lease Area: 100' x 100' in south-east portion of the parcel
- 120' tall monopole
- 75' x 75' fenced equipment compound
- Update: Access from Colebrook Road over an existing road then over a new gravel access drive
- The are no residences within 1,000' of the proposed tower

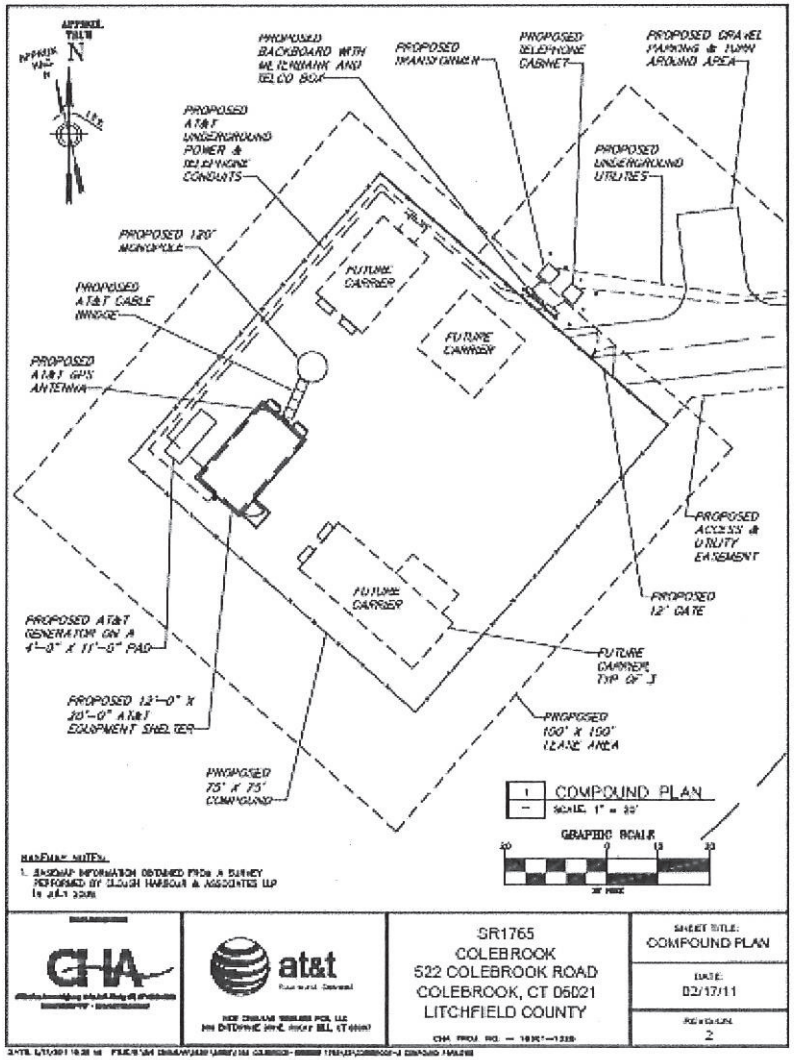
General Facility Description



General Facility Description



General Facility Description



Tower Description

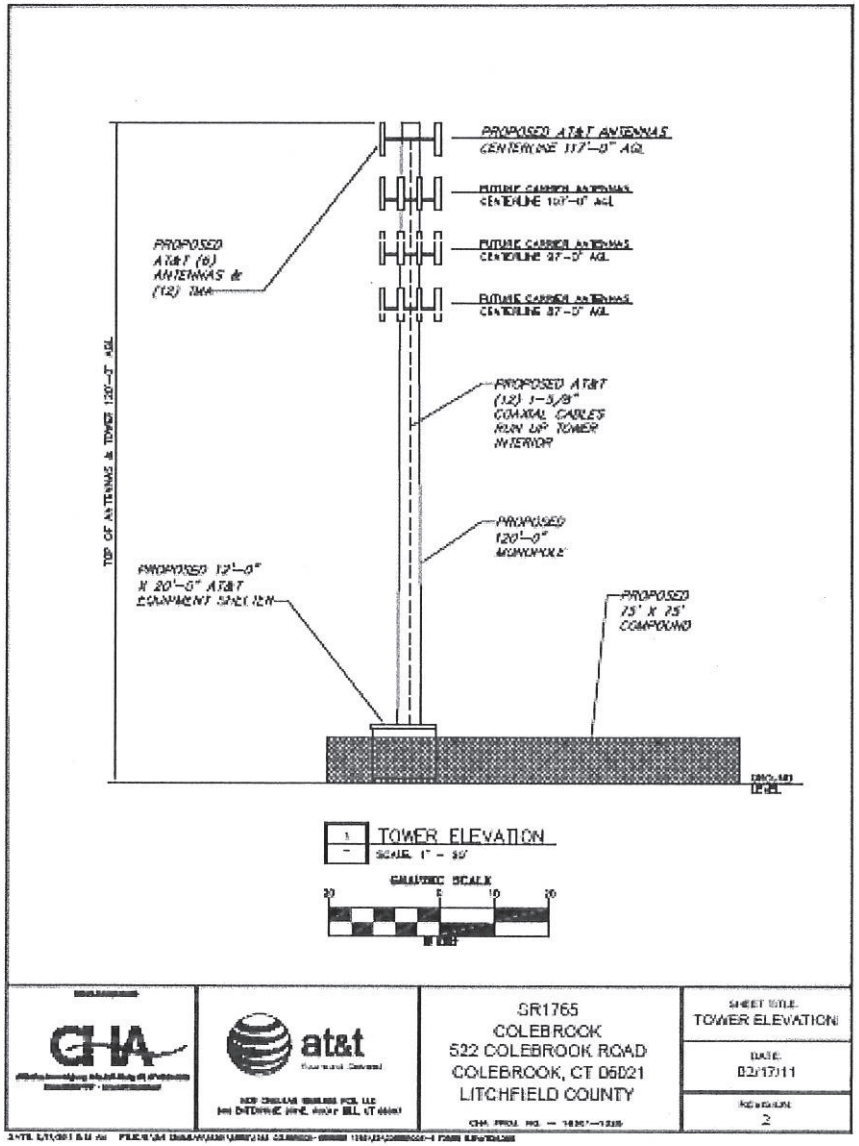
- AT&T will install up to 12 panel antennas at a centerline height of 117' on the proposed monopole and a 12' x 20' equipment shelter within the fenced compound

- The Facility is designed to accommodate up to three additional wireless carriers

- No marking or lighting of the monopole will be required

- The distance from the proposed tower to the southern property line is approximately 131'

Tower Description



Environmental Effects

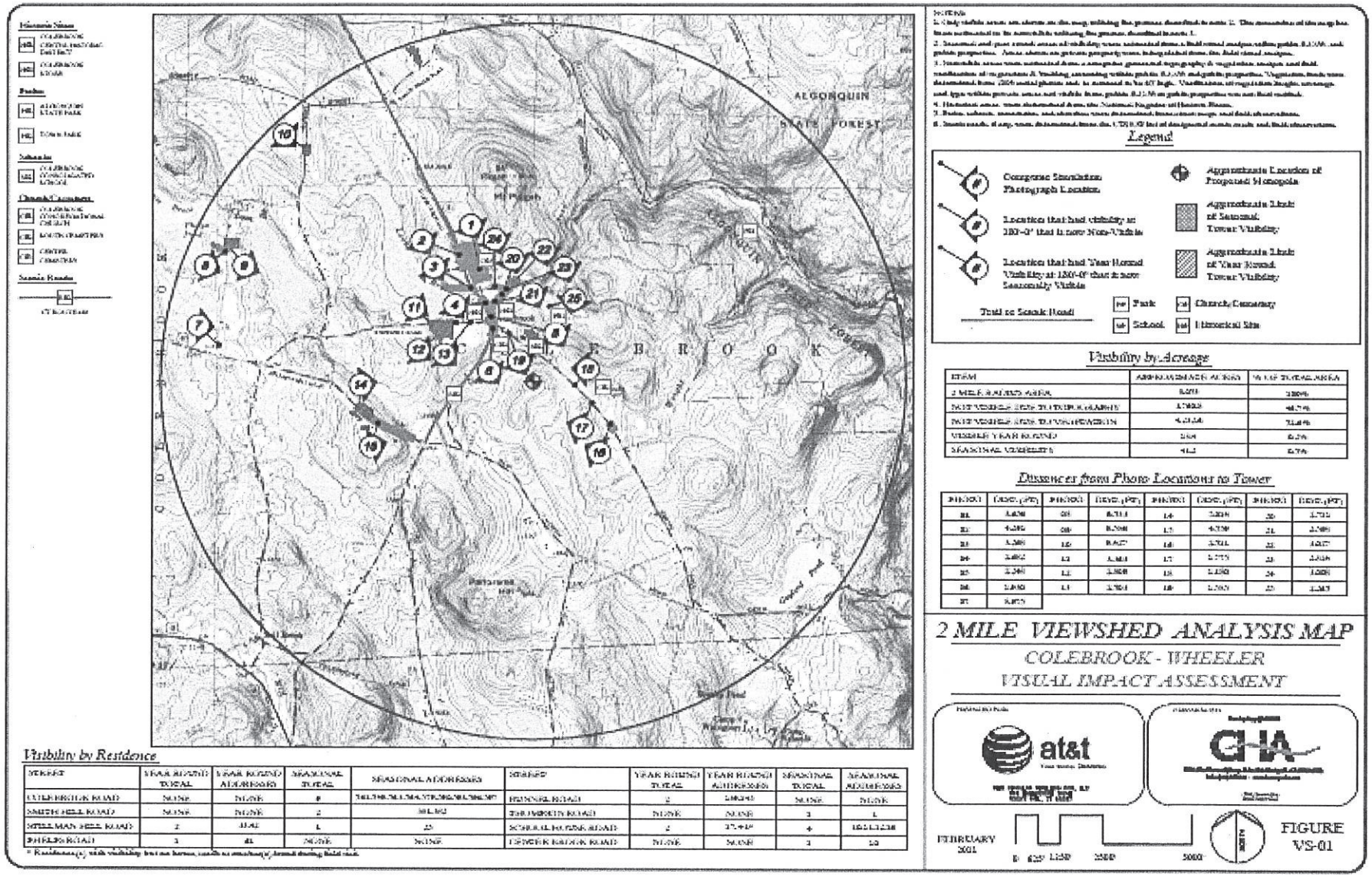
- SHPO issued a "no effect" determination for the proposed facility and any historic impacts
- Review of the CT DEP Natural Diversity Database Map indicates that there are no nearby threatened or endangered species documented in the area
- Soil erosion and sediment control best management practices will be implemented to avoid impacts to wetlands
- Worst-case evaluation of power density from AT&T's operations at the proposed facility would be 9.6% of the applicable standard

Visual Analysis Summary

- Within the over 8,000 acre (2 mile radius) study area, year round visibility is estimated at 18.4 acres or 0.2%

- Distal views of the top of the monopole are anticipated during "leaf-off" conditions from Center Cemetery, portions of Rt. 183, the Colebrook Store, Colebrook Congregational Church and the Colebrook Center Historic District

Visual Analysis Summary



Visual Analysis Summary

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

CHA		VIEW 1 - PROPOSED VIEW FROM CENTER CEMETERY LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)	at&t NEW CINGULAR WIRELESS PCS, LLC 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067
DATE: FEB 2011	SITE: COLEBROOK-WHEELER		

Visual Analysis Summary

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

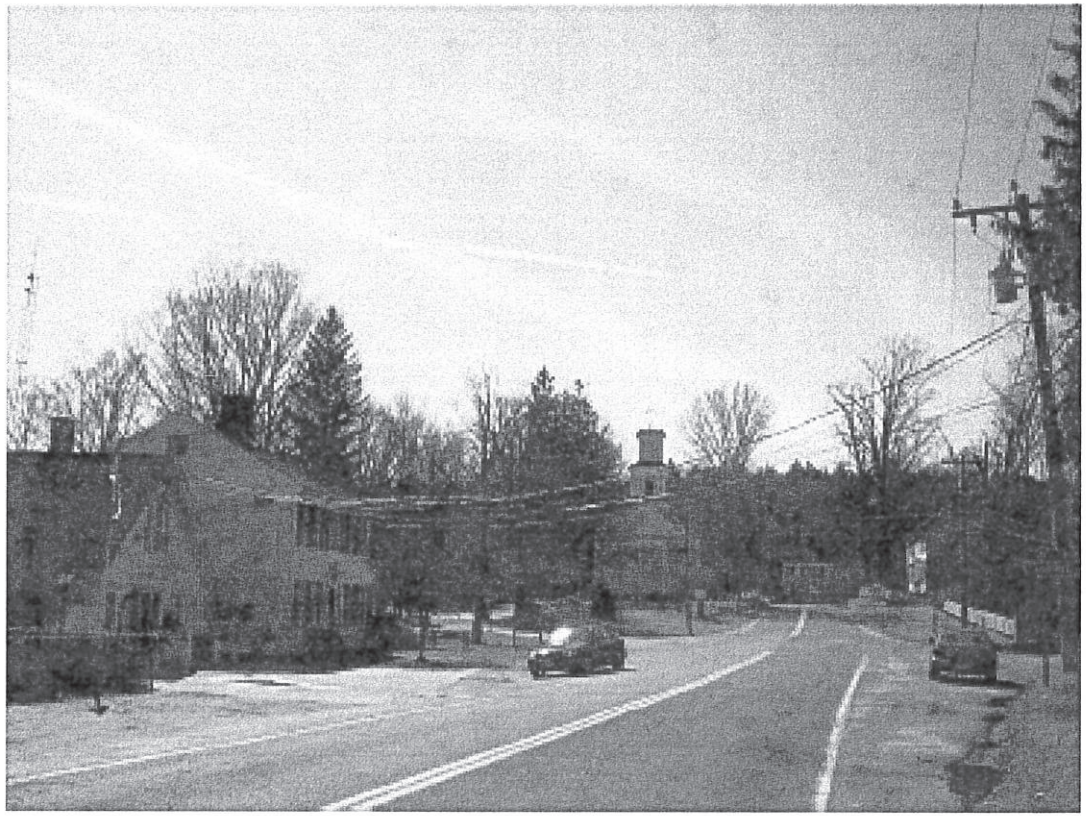
CHA		VIEW 2 - PROPOSED VIEW FROM COLEBROOK ROAD LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)	at&t NEW CINGULAR WIRELESS PCS, LLC 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067
DATE: FEB 2011	SITE: COLEBROOK-WHEELER		

Visual Analysis Summary

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

CHA		VIEW 4 - PROPOSED VIEW FROM COLEBROOK ROAD LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)	at&t NEW CINGULAR WIRELESS PCS, LLC 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067
DATE: FEB 2011	SITE: COLEBROOK-WHEELER		

Visual Analysis Summary



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

CHA		VIEW 5 - PROPOSED VIEW FROM COLEBROOK STORE LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)	at&t NEW CINGULAR WIRELESS PCS, LLC 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067
DATE: FEB 2011	SITE: COLEBROOK-WHEELER		

Visual Analysis Summary

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

CHA		VIEW 6 - PROPOSED VIEW FROM COLEBROOK CONGREGATIONAL CHURCH LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)	at&t NEW CINGULAR WIRELESS PCS, LLC 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067
DATE: FEB 2011	SITE: COLEBROOK-WHEELER		

Visual Analysis Summary

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

CHA		VIEW 17 - NON-VISIBLE VIEW FROM SMITH HILL ROAD LOOKING WEST TOWARDS SITE	at&t NEW CINGULAR WIRELESS PCS, LLC 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067
DATE: FEB 2011	SITE: COLEBROOK-WHEELER		

Visual Analysis Summary

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

CHA		VIEW 20 - PROPOSED VIEW FROM SCHOOL HOUSE ROAD LOOKING SOUTH TOWARDS SITE (SEASONAL VISIBILITY)	at&t NEW CINGULAR WIRELESS PCS, LLC 500 ENTERPRISE DRIVE ROCKY HILL, CT 06067
DATE: FEB 2011	SITE: COLEBROOK-WHEELER		

Application Process

- The municipal consultation process takes place before an Application is filed with the Siting Council
- The municipal consultation process is a dialogue between AT&T and Colebrook where Colebrook can provide AT&T with recommendations or preferences it may have on the tower proposal
- This dialogue continues with the Siting Council process
- The Siting Council will conduct a hearing in Colebrook on AT&T's Application

Conclusion

- State Siting Council Application – formal filing in approximately two months
- A public hearing will be held by the Siting Council on the Application in Colebrook
- There is an ability to participate in Siting Council application process if desired
- Documents will be posted to the Siting Council's website – www.ct.gov/csc

AT&T

PROPOSED CELLULAR TOWER FACILITY
522 COLEBROOK ROAD
COLEBROOK, CONNECTICUT

CUDDY& FEDER LLP

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

April 15, 2011

VIA FIRST CLASS MAIL
First Selectman Thomas D. McKeon
Town of Colebrook
Town Hall
562 Colebrook Road
P.O. Box 5
Colebrook, Connecticut 06021-0005
(860) 379-3359

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
522 Colebrook Road
Colebrook, Connecticut

Dear First Selectman McKeon:

Thank you for coordinating the April 11th information session to discuss AT&T's proposed wireless telecommunications tower facility to be located at 522 Colebrook Road. In connection with AT&T's proposed facility, we are forwarding to you ten (10) sets of updated drawings and materials depicting the proposed access drive from Colebrook Road as presented at the April 11th information session.

We are also in the process of monitoring the weather forecast to schedule a balloon float as discussed at the information session. As soon as a date is selected, we will provide notice of the scheduled balloon float.

Thank you for your consideration of this letter and its enclosures.

Very truly yours,

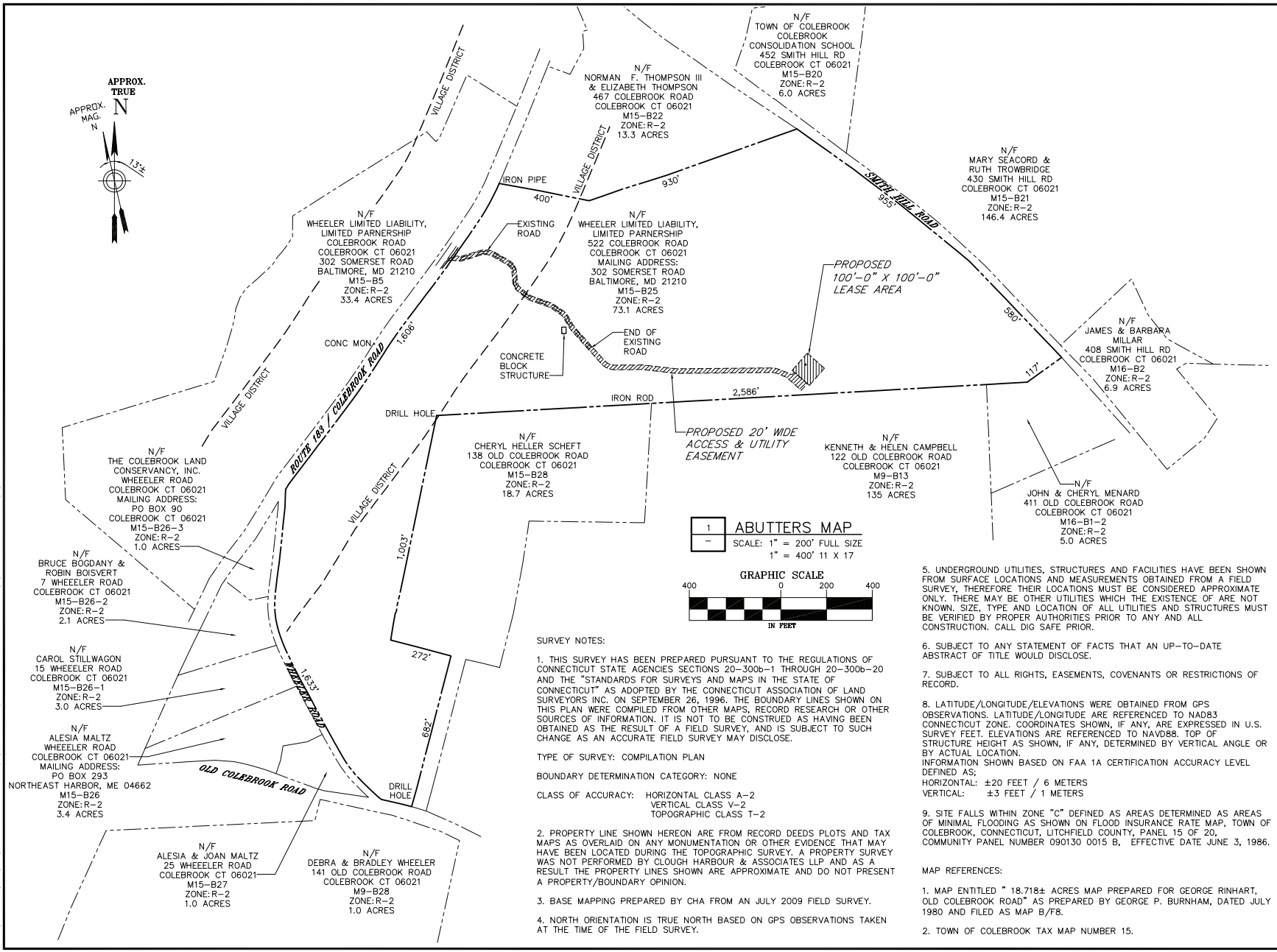
Lucia Chiocchio

Lucia Chiocchio

Enclosure

cc: w/ enclosures:
Karen Griswold Nelson, Land Use Administrator/Zoning Enforcement Officer
Michelle Briggs, AT&T
Jonathan McNeal, SAI Communications
Jaclyn Swenson, KJK Wireless
Peter Perkins, CHA
Paul Lusitani, CHA
Jonathan Thompson
Christopher B. Fisher, Esq.

C&F: 1641420.1



1 — ABUTTERS MAP

SCALE: 1" = 200' FULL SIZE
1" = 400' 11 X 17

GRAPHIC SCALE

400 0 200 400

IN FEET

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.

TYPE OF SURVEY: COMPILATION PLAN

BOUNDARY DETERMINATION CATEGORY: NONE

CLASS OF ACCURACY: HORIZONTAL CLASS A–2
VERTICAL CLASS V–2
TOPOGRAPHIC CLASS T–2

2. PROPERTY LINE SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND TAX MAPS AS OVERLAID ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY SURVEY WAS NOT PERFORMED BY CLOUGH HARBOUR & ASSOCIATES LLP 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 JULY 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 HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.

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 FROM GPS OBSERVATIONS. LATITUDE/LONGITUDE ARE REFERENCED TO NAD83 CONNECTICUT ZONE. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD88. TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION.
INFORMATION SHOWN BASED ON FAA 1A CERTIFICATION ACCURACY LEVEL DEFINED AS;
HORIZONTAL: ±20 FEET / 6 METERS
VERTICAL: ±3 FEET / 1 METERS

9. SITE FALLS WITHIN ZONE "C" DEFINED AS AREAS DETERMINED AS AREAS OF MINIMAL FLOODING AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF COLEBROOK, CONNECTICUT, LITCHFIELD COUNTY, PANEL 15 OF 20, COMMUNITY PANEL NUMBER 090130 0015 B, EFFECTIVE DATE JUNE 3, 1986.

MAP REFERENCES:

1. MAP ENTITLED " 18.718± ACRES MAP PREPARED FOR GEORGE RINHART, OLD COLEBROOK ROAD" AS PREPARED BY GEORGE P. BURNHAM, DATED JULY 1980 AND FILED AS MAP B/F8.

2. TOWN OF COLEBROOK TAX MAP NUMBER 15.

at&t
Your world. Delivered.

cingular WIRELESS

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

CHA

2139 Silas Deane Highway, Suite 212 · Rocky Hill, CT 06067-2336
Main: (860) 257-4557 · www.chacompanies.com

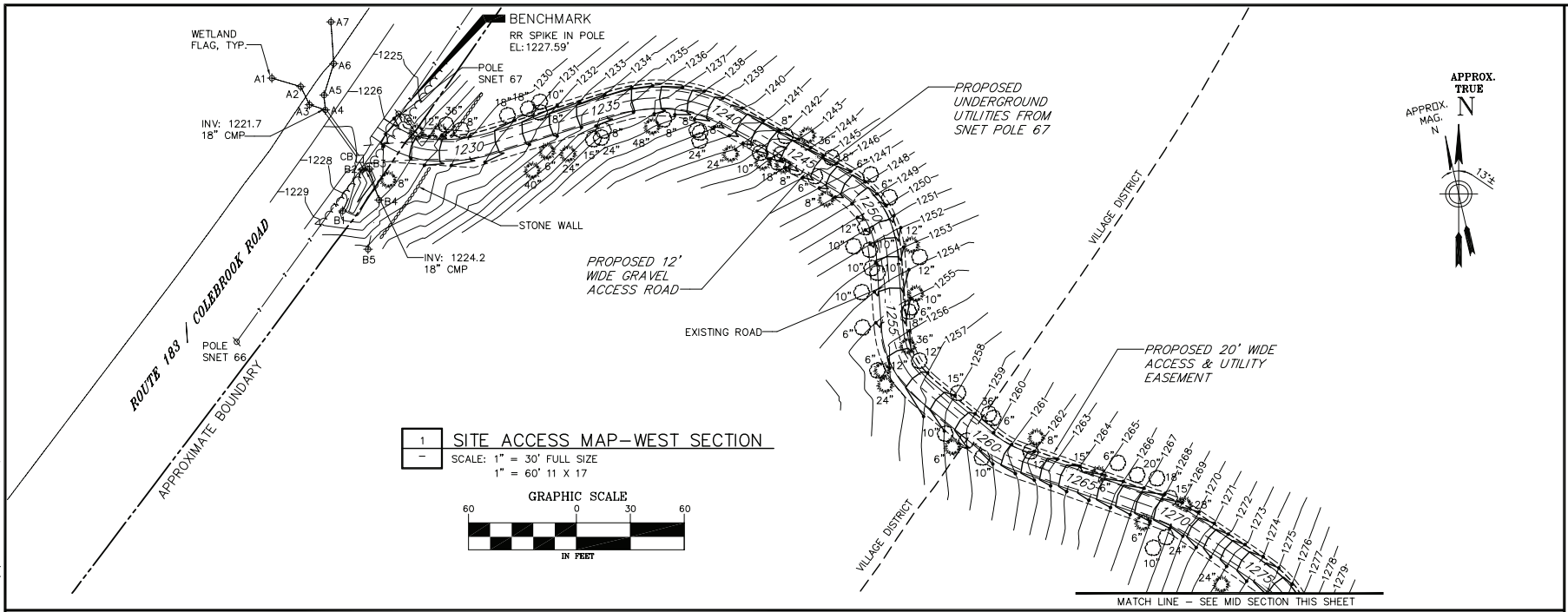
CHA PROJECT NO:
18301 – 1025 – 1601

NO.	SUBMITTAL		
0	07/10/09	ISSUED FOR CSC CERTIFICATE	
	BY: PAL	CHK: PAL	APP'D: JPS
1	12/13/09	MOVED ROAD TO SMITH HILL RD	
	BY: PAL	CHK: PAL	APP'D: JPS
2	02/17/11	REDUCED TOWER TO 120'	
	BY: PAL	CHK: PAL	APP'D: JPS
3	04/11/11	MOVED ROAD TO COLEBROOK RD	
	BY: PAL	CHK: PAL	APP'D: JPS

SITE ID:
SR1765
SITE NAME:
COLEBROOK
SITE ADDRESS:
522 COLEBROOK ROAD
COLEBROOK, CT
06021
LITCHFIELD COUNTY

SHEET TITLE
ABUTTERS MAP

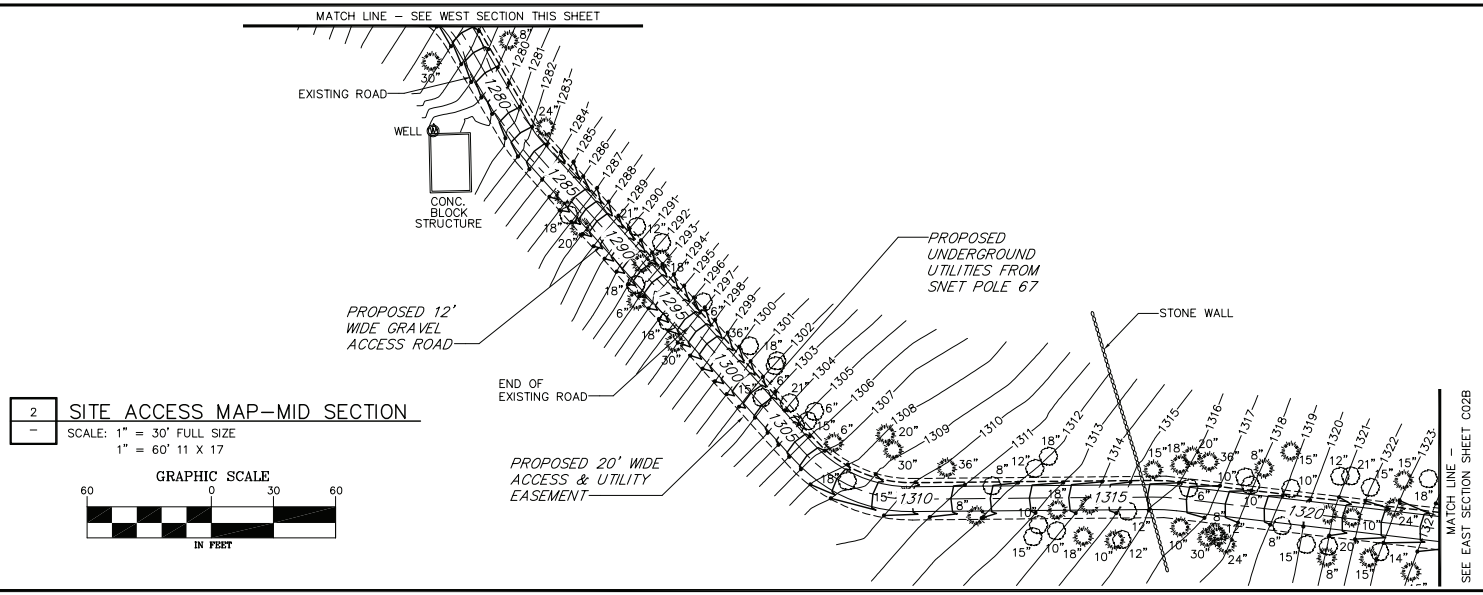
SHEET NUMBER
C01



1 — SITE ACCESS MAP–WEST SECTION

SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

GRAPHIC SCALE
60 0 30 60
IN FEET



2 — SITE ACCESS MAP–MID SECTION

SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

GRAPHIC SCALE
60 0 30 60
IN FEET

at&t
Your world. Delivered.
cingular WIRELESS

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

CHA
2139 Silas Deane Highway, Suite 212 · Rocky Hill, CT 06067-2338
Main: (860) 257-4567 · www.chacompanies.com

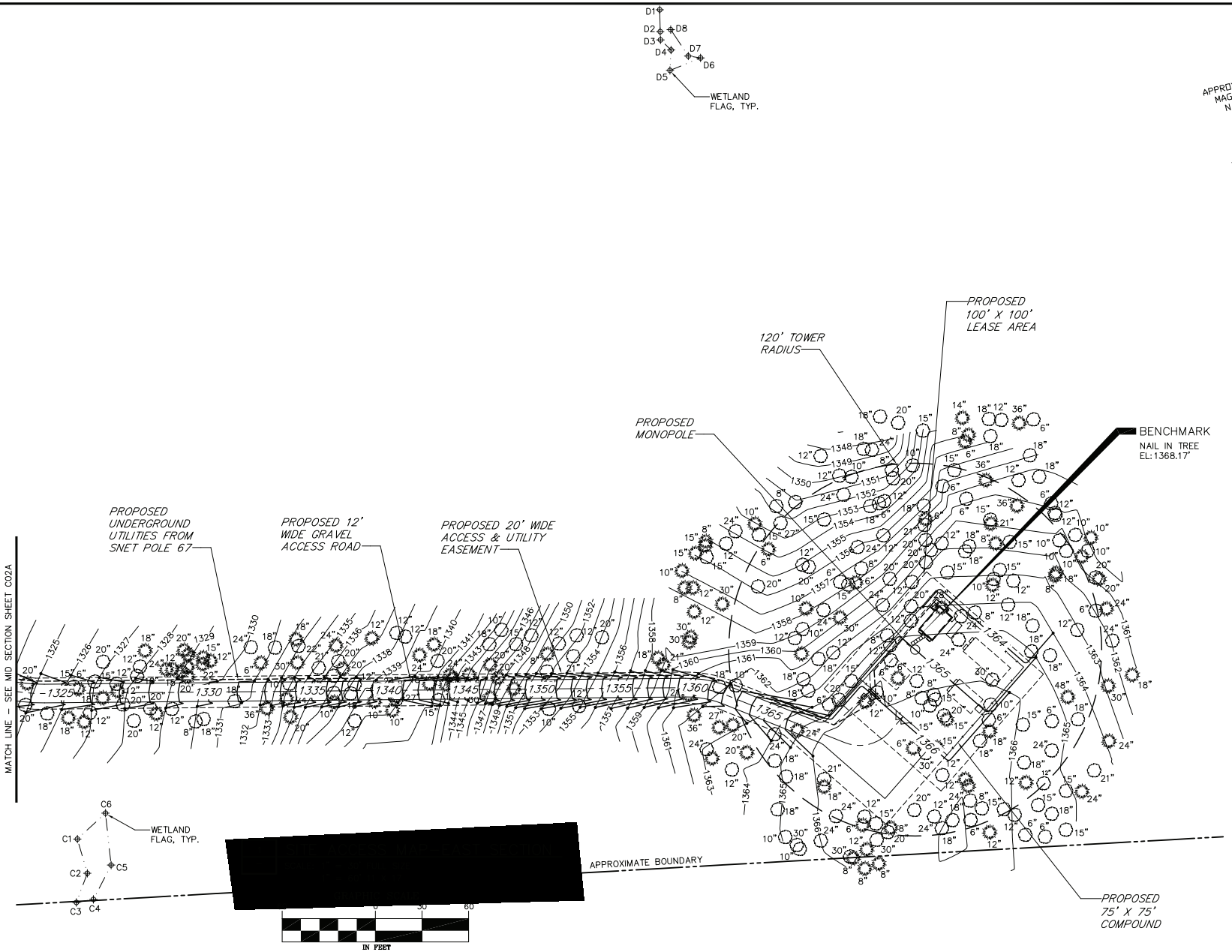
CHA PROJECT NO:
18301 – 1025 – 1601

NO.	SUBMITTAL		
0	07/10/09	ISSUED FOR CSC CERTIFICATE	
	BY: PAL	CHK: PAL	APP'D: JPS
1	12/13/09	MOVED ROAD TO SMITH HILL RD	
	BY: PAL	CHK: PAL	APP'D: JPS
2	02/17/11	REDUCED TOWER TO 120'	
	BY: PAL	CHK: PAL	APP'D: JPS
3	04/11/11	MOVED ROAD TO COLEBROOK RD	
	BY: PAL	CHK: PAL	APP'D: JPS

SITE ID:
SR1765
SITE NAME:
COLEBROOK
SITE ADDRESS:
522 COLEBROOK ROAD
COLEBROOK, CT
06021
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP
WEST & MID SECTION

SHEET NUMBER
C02A



File: W:\SA CINGULAR\VER01\SITES\1025 COLEBROOK--WHEELER 1765\2D\COLEBROOK ROAD\COLEBROOK--2 SITE ACCESS MAP.DWG Saved: 4/11/2011 8:44:15 AM Plotted: 4/11/2011 8:46:39 AM User: Lueltorl, Paul

at&t
Your world. Delivered.

cingular WIRELESS

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

CHA
2139 Silas Deane Highway, Suite 212 · Rocky Hill, CT 06067-2338
Main: (860) 257-4567 · www.chacompanies.com

CHA PROJECT NO:
18301 – 1025 – 1601

NO.	SUBMITTAL		
0	07/10/09	ISSUED FOR CSC CERTIFICATE	
	BY: PAL	CHK: PAL	APP'D: JPS
1	12/13/09	MOVED ROAD TO SMITH HILL RD	
	BY: PAL	CHK: PAL	APP'D: JPS
2	02/17/11	REDUCED TOWER TO 120'	
	BY: PAL	CHK: PAL	APP'D: JPS
3	04/11/11	MOVED ROAD TO COLEBROOK RD	
	BY: PAL	CHK: PAL	APP'D: JPS

SITE ID:
SR1765
SITE NAME:
COLEBROOK
SITE ADDRESS:
522 COLEBROOK ROAD
COLEBROOK, CT
06021
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP
EAST SECTION

SHEET NUMBER
C02B

CLOUGH HARBOUR & ASSOCIATES LLP

April 11, 2011

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

RE: Tree Inventory
Site: Colebrook
522 Colebrook Road
Colebrook, CT 06021
CHA # 18301-1025-1601

A site survey was completed at the subject site in July 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 ninety-seven (97) 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"	10
8"	11
10"	14
12"	11
15"	12
18"	18
20"	7
21"	1
24"	6
27"	2
30"	4
36"	1
TOTAL	**97**

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

Paul Lusitani
Project Engineer

W:\SAI Cingular\18301\Sites\1025 Colebrook-Wheeler 1765\ZD\Colebrook Road\COLEBROOK-10 TREE INVENTORY.doc

2139 Silas Deane Highway, Suite 212, Rocky Hill, CT 06067-2336
T 860.257.4557 • F 860.257.7514 • www.cloughharbour.com

CLOUGH HARBOUR & ASSOCIATES LLP

Site Number: SR1765
Site Name: COLEBROOK
Site Address: 522 COLEBROOK ROAD, COLEBROOK, CT 06021

Access distances:

Distance of access over new gravel driveway: 1,805'
Total distance of site access: 1,805'

Distance to Nearest Wetlands:

375' from compound corner to flag D6.
71' from road edge to flag C6.
16' from road edge to flag B3.

Distance to Property Lines:

984' to the northern property boundary
131' to the southern property boundary
1,560' to the western property boundary
759' to the eastern property boundary

Residence Information:

There are no residences within 1,000' feet of the tower. The closest residence is 1,051' to the Northeast and is located at 430 Smith Hill Road.

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 Winchester. The town boundary is 7,800' to the South.

2139 Silas Deane Highway, Suite 212, Rocky Hill, CT 06067-2336
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CUDDY & FEDER LLP

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

April 18, 2011

VIA ELECTRONIC MAIL & FIRST CLASS MAIL

First Selectman Thomas D. McKeon
Town of Colebrook
Town Hall
562 Colebrook Road
P.O. Box 5
Colebrook, Connecticut 06021-0005
tommckeon@colebrooktownhall.org

Re: AT&T
Proposed Wireless Telecommunications Facility
522 Colebrook Road
Colebrook, Connecticut

Dear First Selectman McKeon:

We are writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with the above referenced matter involving a proposed wireless telecommunications tower facility to be located at 522 Colebrook Road in the Town of Colebrook.

Please be advised that a balloon will be raised at the proposed location from approximately 9:00 a.m. until 7:00p.m. on Monday, April 25th, with an inclement weather date of Wednesday, April 27th. The balloon will be raised to the proposed height of 120' above grade level.

Please do not hesitate to contact me with any questions regarding this notice.

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

cc: Karen Griswold Nelson, kgnelson@colebrooktownhall.org
Jonathan McNeal, SAI Communications
Jaclyn Swenson, KJK Wireless
Peter Perkins, CHA
Paul Lusitani, CHA
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

April 12, 2013

VIA OVERNIGHT MAIL
First Selectman Thomas D. McKeon
Town of Colebrook
Town Hall
562 Colebrook Road
P.O. Box 5
Colebrook, Connecticut 06021-0005
(860) 379-3359

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
522 Colebrook Road
Colebrook, Connecticut

Dear First Selectman McKeon:

This letter and enclosures are respectfully submitted on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with the above captioned matter involving a proposed wireless telecommunications tower facility to be located at 522 Colebrook Road in the Town of Colebrook. As you may recall, AT&T commenced a municipal consultation process as required by statute for the above referenced facility in February of 2011. The purpose of this letter is to formally notify you that AT&T is now reactivating its proposal for a wireless facility to be located at 522 Colebrook Road. Enclosed is a copy of AT&T's February 2011 Technical Report, which includes information about the need for the proposed facility, a summary of the site selection process and the environmental effects of the proposed tower facility.

AT&T's Proposed Facility and the 2011 Municipal Consultation

The proposed facility is needed by AT&T to serve the public in this area of Colebrook as no new wireless facilities have been constructed in this area since 2011. The propagation maps included in the enclosed Technical Report show that the proposed facility is needed to provide reliable wireless service in the area where Routes 182 and 183 intersect, this area includes the Colebrook Consolidated School. As we discussed last week, the proposed facility is essentially the same as the facility proposed in 2011 with access from Smith Hill Road as shown in the drawings included in the enclosed Technical Report. The drawings also demonstrate that the tower setback radius is located within the boundaries of the 522 Colebrook Road property.

As you may recall, subsequent to the informational meeting that was held in Colebrook on April 11, 2011, a noticed balloon float was conducted on April 25, 2011. The visual evaluation report included in the Technical Report was updated after the balloon float to address visibility from specific locations as requested by the Town at the April 11, 2011 informational meeting. A copy of the April 2011 visual report is also enclosed for your review. The materials and photosimulations in the April 2011 visual report show that views of the proposed facility from the Colebrook Center Historic District, the Colebrook Store and the Colebrook Congregational Church are expected to be distant and limited to seasonal views through trees and vegetation. The April 2011 visual report also

indicates that very limited year-round views of the proposed facility through trees are expected from the Colebrook Consolidated School, which is located approximately 1,200 feet north of the proposed facility. Further, there are no licensed day care facilities within 250 feet of the proposed facility.

Municipal Consultation

At this time, we are providing the enclosed Technical Report and updated visual report in accordance with the municipal consultation requirements of Section 16-50*l*(e) of the Connecticut General Statutes ("C.G.S."). As you know, jurisdiction over the proposed tower facility rests exclusively with the Connecticut Siting Council pursuant to Sections 16-50i and x of the C.G.S. The purpose of 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 with the Siting Council.

As we discussed, given that AT&T's proposed facility was considered by the Town and reviewed in detail during the 2011 municipal consultation and that no significant changes to the facility are proposed, we would anticipate simply discussing any additional details and other aspects of the Siting Council process. As you are aware, at the time an application is formally filed with the Siting Council, notice of intent to file the application as well as notice to abutting property owners and numerous state and municipal agencies will be provided. In addition, as part of its review of AT&T's application, the Siting Council will hold an evidentiary hearing and a public hearing in Town.

AT&T is in the process of updating and assembling the materials required for its application to the Siting Council. Should the Town have any other any specific recommendations or preferences regarding the facility proposed, please do not hesitate to contact us.

Thank you for your consideration of this letter and its enclosures.

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

Enclosures

cc: w/ enclosures:
Chairman Robert A. Suprenant, Planning & Zoning Commission
Chairman Duncan Wilber, Inland Wetlands Commission
Michael Halloran, Land Use Administrator/Zoning Enforcement Officer
Michelle Briggs, AT&T
David Vivian, SAI Communications
Jonathan McNeal, SAI Communications
Paul Lusitani, CHA
Anthony Wells, C Squared Systems
Martin Lavin, C Squared Systems
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

May 7, 2013

VIA ELECTRONIC MAIL & FACSIMILE (860)-379-7215
First Selectman Thomas D. McKeon
Town of Colebrook
Town Hall
562 Colebrook Road
P.O. Box 5
Colebrook, Connecticut 06021-0005
tommckeon@colebrooktownhall.org

Re: New Cingular Wireless PCS LLS (AT&T)
Proposed Wireless Telecommunications Facility
522 Colebrook Road
Colebrook, Connecticut

Dear First Selectman McKeon:

We are writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with the above referenced matter involving a proposed wireless telecommunications tower facility to be located at 522 Colebrook Road in the Town of Colebrook.

Please be advised that a balloon float is currently scheduled at the proposed location from approximately 8:00 a.m. until 4:00p.m. on Friday, May 10th. The balloon will be raised to the proposed height of 120' above grade level.

Please do not hesitate to contact me with any questions regarding this notice.

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

cc: Chairman Robert A. Suprenant, Planning & Zoning Commission via facsimile
Chairman Duncan Wilber, Inland Wetlands Commission via facsimile
Michael Halloran, Land Use Administrator/Zoning Enforcement Officer
(mhalloran@colebrooktownhall.org)
Michelle Briggs, AT&T
David Vivian, SAI Communications
Jonathan McNeal, SAI Communications

C&F: 2153586.1

COLEBROOK CONSERVATION COMMISSION

July 5, 2013

All-Points Technology Corporation
3 Saddlebrook Drive
Killingworth, CT 06419

Attn: Michael Libertine

VIA EMAIL AND CERTIFIED US MAIL

Re: All-Points Technology Corporation Memorandum dated May 29, 2013
Proposed Wireless Telecommunications Facility
522 Colebrook Road
Colebrook, CT

Dear Mr. Libertine:

The Colebrook Conservation Commission (CCC) would like to express its comments concerning the new wireless telecommunications facility, or cell tower, to be erected by New Cingular Wireless PCS, LLC (AT&T) at 522 Colebrook Road (hereinafter 'the Project'), as requested in your Memorandum, dated May 29th. Accordingly, CCC comments are limited to those issues covered by the National Historic Preservation Act (NHPA) of 1966. CCC hereby reserves the right to make comments on other aspects of the Project.

The Statute

Section 106 of NHPA provides in pertinent part:

> The head of any Federal agency having direct or indirect jurisdiction over a proposed Federal or federally assisted undertaking in any State… or independent agency having authority to license any undertaking shall, … prior to the issuance of any license, …**take into account the effect of the undertaking on any district, site, building, structure, or object that is included in or eligible for inclusion in the National Register. (Emphasis added)**

The nature of the review must be undertaken in a manner that serves to preserve those historic places as stated in the Purpose of the Act. Section 1 of NHPA sets out the purpose of the statute and provides in pertinent part:

> **Section 1**
> ….
> *[Purpose of the Act]*
>
> (b) The Congress finds and declares that

> (1) the spirit and direction of the Nation are founded upon and reflected in its historic heritage;
> (2) the historical and cultural foundations of the Nation should be preserved as a living part of our community life and development in order to give a sense of orientation to the American people;
> **(3) historic properties significant to the Nation's heritage are being lost or substantially altered, often inadvertently, with increasing frequency;**
> **(4) the preservation of this irreplaceable heritage is in the public interest so that its vital legacy of cultural, educational, aesthetic, inspirational, economic, and energy benefits will be maintained and enriched for future generations of Americans;**
> **(5) in the face of ever-increasing extensions of urban centers, highways, and residential, commercial, and industrial developments, the present governmental and nongovernmental historic preservation programs and activities are inadequate to insure future generations a genuine opportunity to appreciate and enjoy the rich heritage of our Nation**; …**(Emphasis added)**

The Colebrook Conservation Commission

CCC was established in 2005 by the Town of Colebrook pursuant to Connecticut General Statutes Chapter 97, Section 7-131a. The promotion of responsible growth and the preservation of open space and natural resources are among its responsibilities.

The Town of Colebrook

Colebrook, established in 1779, has been long considered one of the prettiest historic towns in the state of Connecticut. The following material is quoted from the *2004 Town Plan of Conservation and Development* (hereinafter the 'Plan'), a State mandated document which has been formally adopted by the Town. The Plan provides in pertinent part:

> "Colebrook is one of the most rural communities in the Northwest Highlands. Our landscape is one of forest, brook, field, and pond, one where the black bear roams and the sharp shinned hawk soars. From the pristine wetlands of the Loon Brook basin and the thundering waters of the Still River Gorge, to the delicate meadows on Eno Hill and the forested expanse of the Algonquin State Forest, Colebrook remains a place of stunning beauty and robust ecosystems. Survey respondents ranked the quality of the town's natural environment as one of their highest community values.
>
> Human activity can degrade the integrity of the environment and create adverse impacts on our neighbors. As we begin the third century of the Industrial Revolution, we are learning about the real costs: one only has to drive a half-hour south or east to see the incredible conversion of rural communities to suburban enclaves. We are learning that it is essential to be most careful of our natural environment lest we foul our own nest as well as the nests of our neighbors. We are learning that if many people are to live together in a community, each person has to be aware and considerate of our shared environment. As we struggle to solve

> the social and environmental problems of human land use and development, we have to confront the limitations of the natural landscape." (Plan at page 6)
>
> *"The Town Center*
> The Town Center is Colebrook's "jewel" and has been maintained in its present state only through rigid zoning restrictions and the watchfulness of the Historic District Commission." (Plan at page 17)

Some Adversely Impacted Properties

A looming modern, industrial structure of this nature is not compatible with the image the Town Plan and CCC are trying to preserve. The Project would certainly diminish the authentic historic quality of our town.

The Historic District lies at the center of our village and features the original 1812 Greek Revival General Store (a federally registered historic building). It is filled with other distinguished early architecture including one of the first homesteads built in 1767 by Samuel Rockwell, the beautifully proportioned Bullfinch-style Congregational Church; the Town Hall located in a thoughtfully renovated/repurposed barn; the 1816 Seymour Inn, now the home of the Colebrook Historical Society; and several beautifully maintained historic private residences. Many properties within Colebrook's Historic District could potentially meet the criteria for the National Register of Historic Places.

The proposed site of the Project closely abuts the Historic District but does not fall within its limits. The results of the balloon test make it clear that the cell tower will be easily visible from the properties noted above, many other points within the Historic District, as well as other historic properties beyond its limits, too.

Conclusion

CCC believes that the Project as currently located is in conflict with the purpose of NHPA as well as the Plan and will have a material adverse impact on historic properties both in the Town of Colebrook and, more specifically, its Historic District.

Requests for Action

Accordingly, CC requests that the Project be relocated to another site where there will be no adverse impact or, if that is not possible, all practicable steps be taken to minimize it impact. CCC would prefer not to have the tower erected at all to avoid the adverse effects altogether. If it is built, CCC suggests mitigating its impact on our town by locating it where it cannot be viewed from within the Historic District. However, if the tower cannot be relocated and must be erected on the designated site, CCC asks that its modern industrial appearance be minimized or masked. One way to accomplish this could be to build it to resemble a tree as closely as possible, and that an abundance of "branches" (the volume to be agreed upon by the town and AT&T) be part of its make-up, not only to mask the equipment underneath, but to create as convincing a tree silhouette as possible. CCC also is open to other remedies suggested by AT&T to achieve this end.

Finally, once the structure is no longer needed for its present use, CCC requests that it be dismantled and removed in a timely manner by AT&T or subsequent managing entity. To assure compliance with this request, CCC proposes that a bond be provided by AT&T to cover these costs.

CCC would be pleased to respond to any questions about this submission or provide any additional information you may desire.

Respectfully submitted,
Colebrook Conservation Commission

Edna H. Travis

By: Edna H. Travis, for Jerry Rathbun, Chair

cc: Thomas McKeon, First Selectman
Colebrook Planning and Zoning Commission
Colebrook Land Use Office

Colebrook Historical Society

P.O. Box 85
Colebrook, Connecticut 06021

July 5, 2013

All-Points Technology Corporation
3 Saddlebrook Drive
Killingworth, CT 06419

Attn: Michael Libertine

VIA EMAIL AND CERTIFIED US MAIL

Re: All-Points Technology Corporation Memorandum dated May 29, 2013
Proposed Wireless Telecommunications Facility
522 Colebrook Road
Colebrook, CT

Dear Mr. Libertine:

The Colebrook Historical Society (or "CHS") would like to express its comments concerning the new wireless telecommunications facility, or cell tower, to be erected by New Cingular Wireless PCS, LLC (AT&T) at 522 Colebrook Road (hereinafter 'the Project'), as requested in your Memorandum, dated May 29th. Accordingly, CHS comments are limited to those issues covered by the National Historic Preservation Act (NHPA) of 1966. CHS hereby reserves the right to make comments on other aspects of the Project.

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Section 1

….

[Purpose of the Act]

(b) The Congress finds and declares that

(1) the spirit and direction of the Nation are founded upon and reflected in its historic heritage;

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(4) the preservation of this irreplaceable heritage is in the public interest so that its vital legacy of cultural, educational, aesthetic, inspirational, economic, and energy benefits will be maintained and enriched for future generations of Americans;

(5) in the face of ever-increasing extensions of urban centers, highways, and residential, commercial, and industrial developments, the present governmental and nongovernmental historic preservation programs and activities are inadequate to insure future generations a genuine opportunity to appreciate and enjoy the rich heritage of our Nation; …**(Emphasis added)**

The Colebrook Historical Society

CHS was founded in 1953 by a group of dedicated individuals who realized the benefits that such a society could bring to the community. The Purpose of CHS is to promote and encourage historical, antiquarian and genealogical research; to preserve and publish the same; and to collect and preserve antiquarian and historical objects and records, particularly relating to the Town of Colebrook, CT. Because of its charter and activities, CHS is uniquely qualified to comment on the impact of the Project.

The Town of Colebrook

Colebrook, established in 1779, has been long considered one of the prettiest historic towns in the state of Connecticut. The following material is quoted from the *2004 Town Plan of Conservation and Development* (hereinafter the 'Plan'), a State mandated document which has been formally adopted by the Town. The Plan provides in pertinent part:

"Colebrook is one of the most rural communities in the Northwest Highlands. Our landscape is one of forest, brook, field, and pond, one where the black bear roams and the sharp shinned hawk soars. From the pristine wetlands of the Loon Brook basin and the thundering waters of the Still River Gorge, to the delicate meadows on Eno Hill and the forested expanse of the Algonquin State Forest, Colebrook remains a place of stunning beauty and robust ecosystems. Survey respondents ranked the quality of the town's natural environment as one of their highest community values.

> Human activity can degrade the integrity of the environment and create adverse impacts on our neighbors. As we begin the third century of the Industrial Revolution, we are learning about the real costs: one only has to drive a half-hour south or east to see the incredible conversion of rural communities to suburban enclaves. We are learning that it is essential to be most careful of our natural environment lest we foul our own nest as well as the nests of our neighbors. We are learning that if many people are to live together in a community, each person has to be aware and considerate of our shared environment. As we struggle to solve the social and environmental problems of human land use and development, we have to confront the limitations of the natural landscape." (Plan at page 6)

> *"The Town Center*
> The Town Center is Colebrook's "jewel" and has been maintained in its present state only through rigid zoning restrictions and the watchfulness of the Historic District Commission." (Plan at page 17)

Some Adversely Impacted Properties

A looming modern, industrial structure of this nature is not compatible with the image the Town Plan and CHS are trying to preserve. The Project would certainly diminish the authentic historic quality of our town. CHS is also concerned that it will adversely affect the value of many properties in town as it will alter their view significantly.

The Historic District lies at the center of our village and features the original 1812 Greek Revival General Store (a federally registered historic building). It is filled with other distinguished early architecture including one of the first homesteads built in 1767 by Samuel Rockwell, the beautifully proportioned Bullfinch-style Congregational Church; the Town Hall located in a thoughtfully renovated/repurposed barn; the 1816 Seymour Inn, now the home of the Colebrook Historical Society; and several beautifully maintained historic private residences. Many properties within Colebrook's Historic District could potentially meet the criteria for the National Register of Historic Places.

The proposed site of the Project closely abuts the Historic District but does not fall within its limits. The results of the balloon test make it clear that the cell tower will be easily visible from the properties noted above, many other points within the Historic District, as well as other historic properties beyond its limits, too. Copies of the photographs from the 2011 balloon test are attached. While there was a new balloon test in May, 2013, copies of the photographs have not yet been received.

CHS also would like to comment on two properties located outside of the Historic District that it believes will be adversely affected by the Project. One such property is the Rock Schoolhouse, located at the intersection of Sandy Brook Road and Colebrook Road, which is owned by CHS. This building, erected in 1779, and used until 1911, is perhaps the only colonial schoolhouse in the state that is essentially in its original state; it has never been electrified, nor has it ever had running water or indoor plumbing. CHS has substantially restored this building. The Rock School is listed on the Connecticut Register of Historic Places. Another property is the Hale Barn located at the intersection of Stillman Hill Road and Route 183. This structure is owned by the Colebrook Land Conservancy which CHS believes will be submitting its own letter concerning this property.

Conclusion

As has been demonstrated by the materials set forth above, CHS believes that the Project as currently located is in conflict with the purpose of NHPA as well as the Plan and will have a material adverse impact on historic properties both in the Town of Colebrook and, more specifically, its Historic District.

Requests for Action

Accordingly, CHS requests that the Project be relocated to another site where there will be no adverse impact or, if that is not possible, all practicable steps be taken to minimize it impact. CHS would prefer not to have the tower erected at all to avoid the adverse effects altogether. If it is built, CHS suggests mitigating its impact on our town by locating it where it cannot be viewed from within the Historic District. However, if the tower cannot be relocated and must be erected on the designated site, the CHS asks that its modern industrial appearance be minimized or masked. One way to accomplish this could be to build it to resemble a tree as closely as possible, and that an abundance of "branches" (the volume to be agreed upon by the town and AT&T) be part of its make-up, not only to mask the equipment underneath, but to create as convincing a tree silhouette as possible. CHS also is open to other remedies suggested by AT&T to achieve this end.

Finally, once the structure is no longer needed for its present use, CHS requests that it be dismantled and removed in a timely manner by AT&T or subsequent managing entity. To assure compliance with this request, CHS proposes that a bond be provided by AT&T to cover these costs.

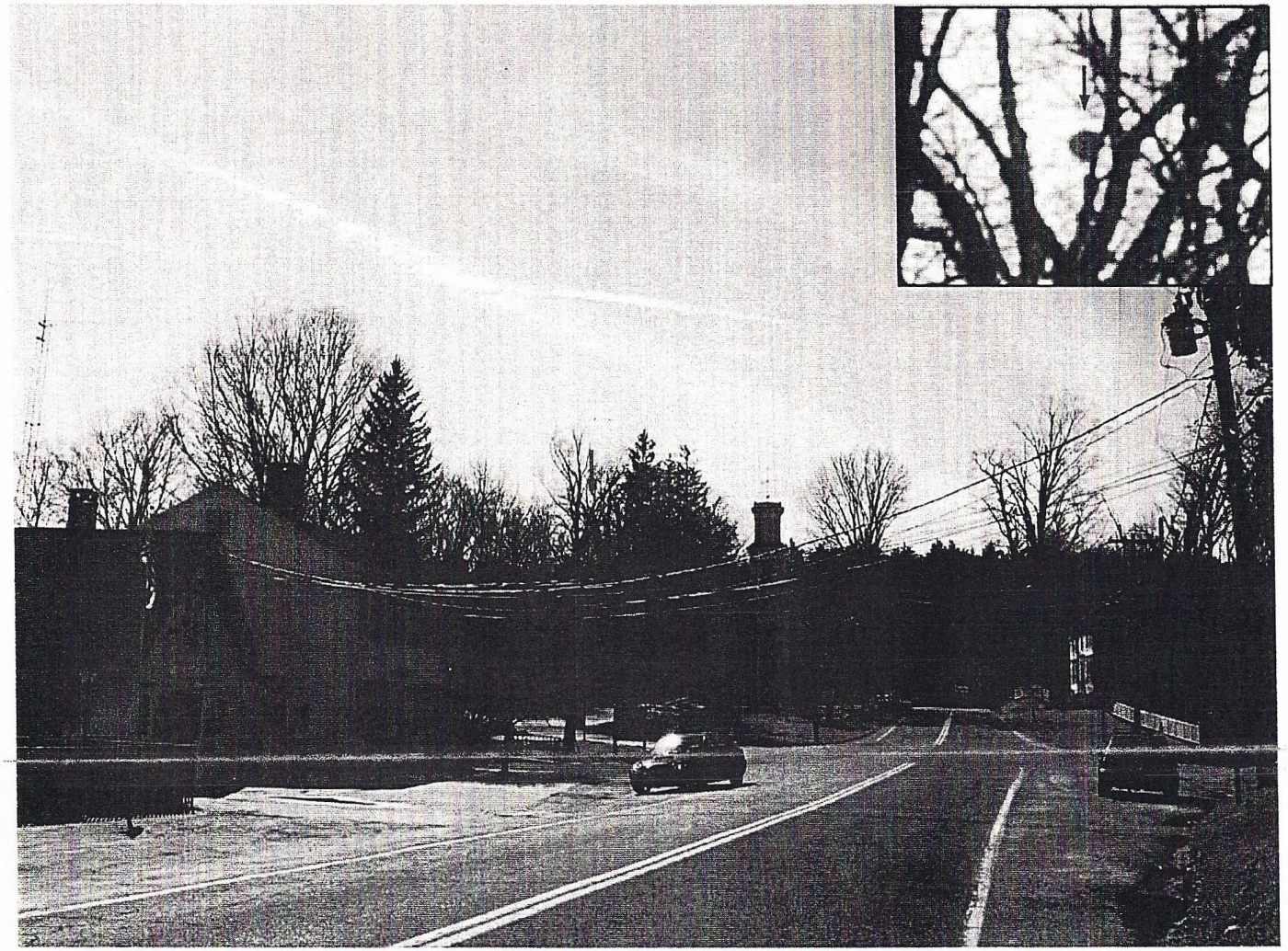
CHS would be pleased to respond to any questions about this submission or provide any additional information you may desire.

Respectfully submitted,
Colebrook Historical Society

By: *Janet Rathbun*
Janet Rathbun, President

cc: Thomas McKeon, First Selectman
Colebrook Planning and Zoning Commission
Colebrook Land Use Office

Attachments: Photosim copies from AT&T filing, dated Feb. 2011



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

CHA

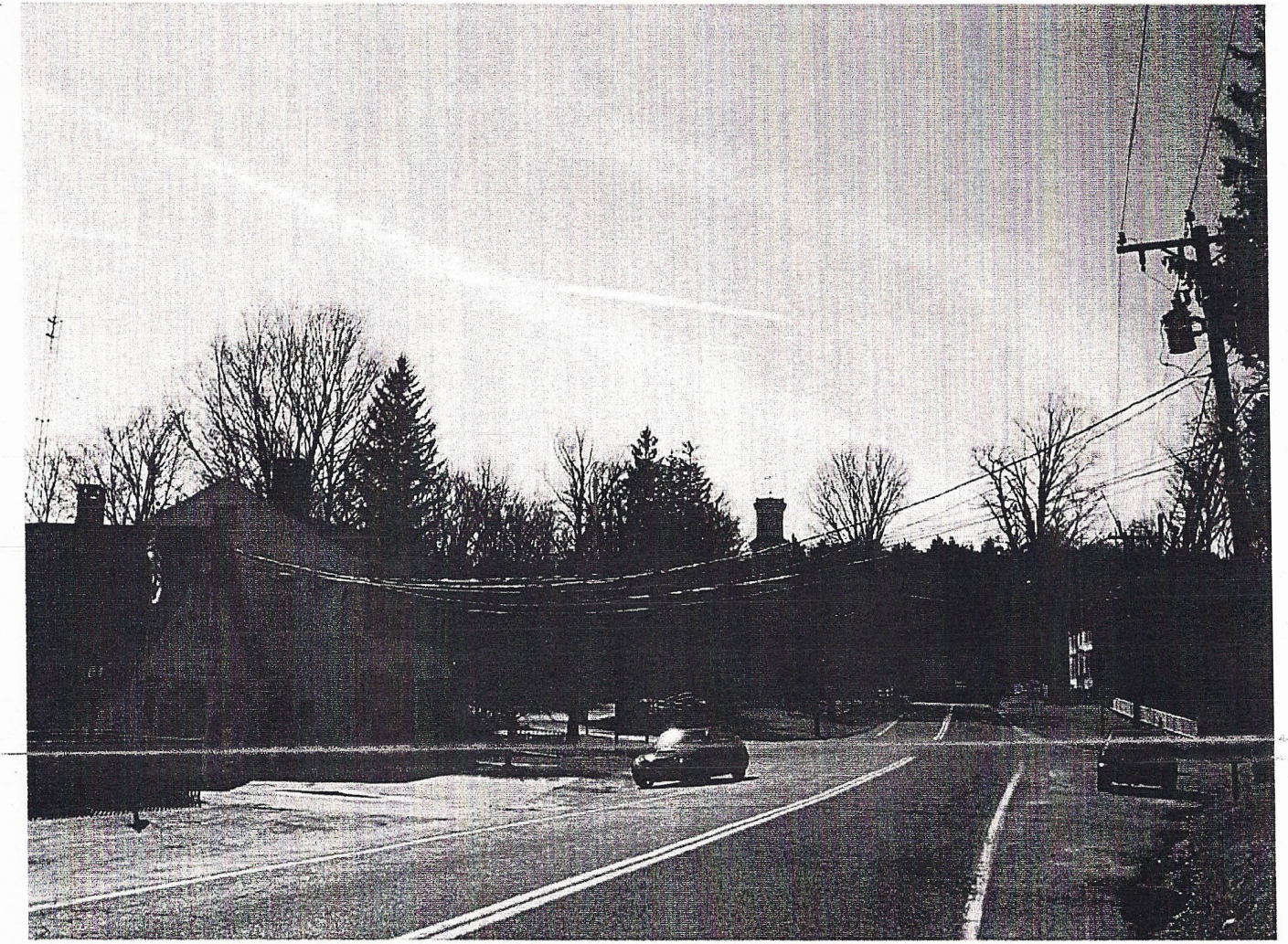
DATE: FEB 2011

SITE: COLEBROOK-WHEELER

VIEW 5 - EXISTING VIEW FROM COLEBROOK STORE LOOKING SOUTHEAST TOWARDS SITE

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

CHA

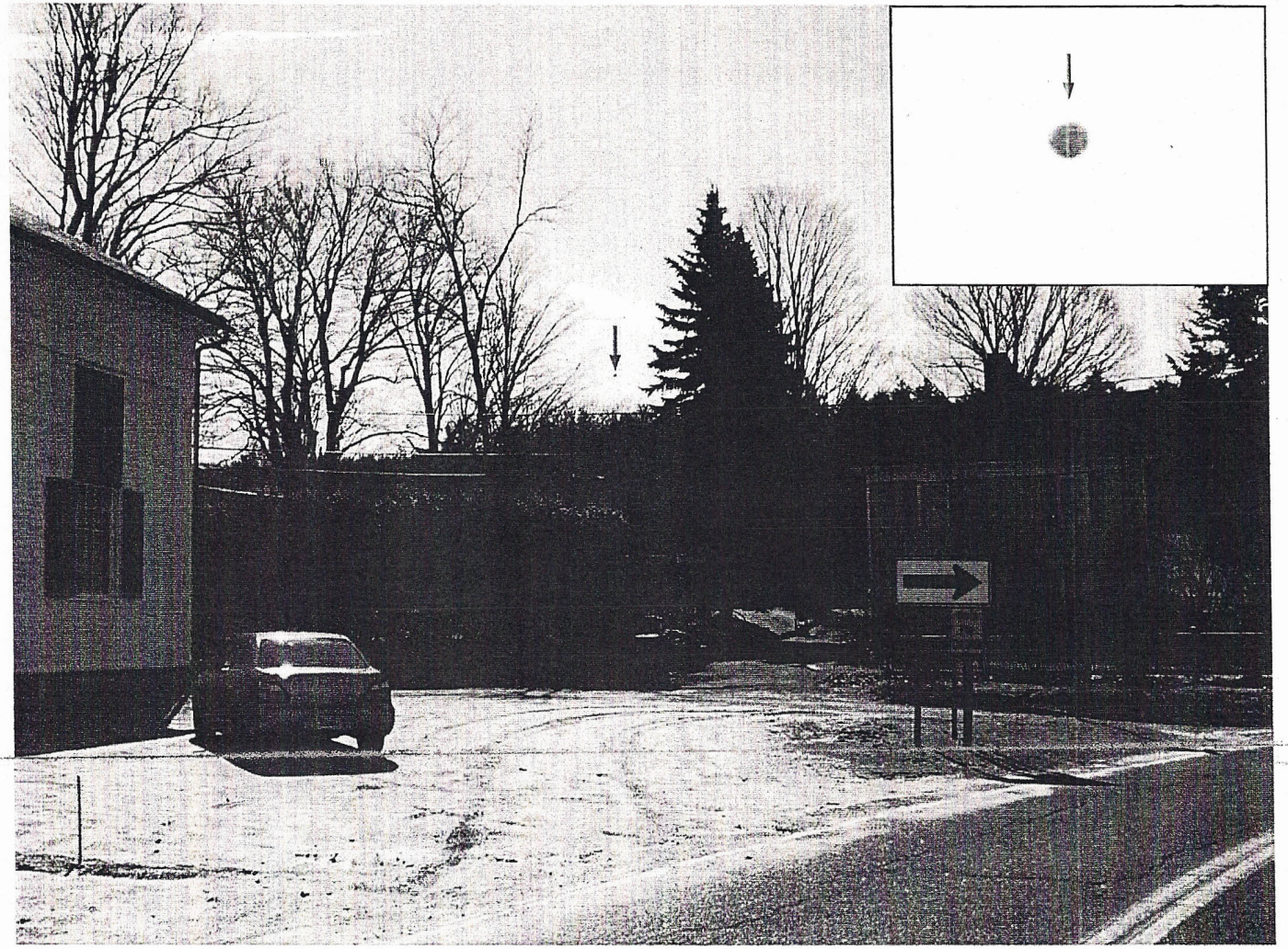
DATE: FEB 2011

SITE: COLEBROOK-WHEELER

VIEW 5 - PROPOSED VIEW FROM COLEBROOK STORE LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)

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

CHA

DATE: FEB 2011

SITE: COLEBROOK-WHEELER

VIEW 6 - EXISTING VIEW FROM COLEBROOK CONGREGATIONAL CHURCH LOOKING SOUTHEAST TOWARDS SITE

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

CHA

DATE: FEB 2011

SITE: COLEBROOK-WHEELER

VIEW 6 - PROPOSED VIEW FROM COLEBROOK CONGREGATIONAL CHURCH LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)

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

CHA

DATE: FEB 2011

SITE: COLEBROOK-WHEELER

VIEW 4 - EXISTING VIEW FROM COLEBROOK ROAD LOOKING SOUTHEAST TOWARDS SITE

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

CHA

DATE: FEB 2011

SITE: COLEBROOK-WHEELER

VIEW 4 - PROPOSED VIEW FROM COLEBROOK ROAD LOOKING SOUTHEAST TOWARDS SITE (SEASONAL VISIBILITY)

at&t
Your world. Delivered.

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

Town of Colebrook

562 Colebrook Road ◦ PO Box 5 ◦ Colebrook Connecticut 06021 ◦ Telephone 860-379-3359 ◦ Facsimile 860-379-7215

July 17, 2013

Cuddy & Feder LLP
Attention: Lucia Chiocchio
445 Hamilton Avenue, 14th floor
White Plains, New York 10601

RE: AT&T
Proposed Wireless Telecommunications Tower Facility
522 Colebrook Road
Colebrook, Connecticut

Dear Ms. Chiocchio:

On behalf of the Board of Selectmen of the town of Colebrook, as First Selectman, I request that the proposed wireless telecommunication tower facility to be located at 522 Colebrook Road in the town of Colebrook, Connecticut, when installed, resemble a tree in order to camouflage the unit as much as possible. The visual aesthetics for that area of town need to be considered as a priority upon installation.

As always, if you have any questions please feel free to contact me at any time
Phone: 860-379-3359 x202
Email: tommckeon@colebrooktownhall.org

Thank you in advance for your anticipated cooperation in regards to this matter.

Sincerely,

Thomas D. McKeon
First Selectman

TDM:lj

ATTACHMENT 8

CERTIFICATION OF SERVICE

I hereby certify that on the _____ day of August 2013, copies of AT&T's Application for a Certificate of Environmental Compatibility and Public Need for the Construction, Maintenance and Operation of a Wireless Telecommunications Facility in Colebrook were sent by certified mail, return receipt requested, to the following:

State and Regional

The Honorable George Jepsen
Attorney General
Office of the Attorney General
55 Elm Street
Hartford, CT 06106

Department of Public Health
Dr. Jewel Mullen, Commissioner
410 Capital Avenue
Hartford, CT 06134

Council on Environmental Quality
Susan D. Merrow, Chair
79 Elm Street
Hartford, CT 06106

Department of Energy & Environmental Protection
Daniel C Esty, Commissioner
79 Elm Street
Hartford, CT 06106-5127

Office of Policy and Management
Benjamin Barnes, Secretary
450 Capitol Avenue
Hartford, CT 06106-1308

Connecticut Commission on Culture & Tourism
Commissioner Catherine Smith
Historic Preservation and Museum Division
One Constitution Plaza, 2nd Floor
Hartford, CT 06103

Connecticut Department of Emergency Management and Homeland Security
Reuben F. Bradford, Commissioner
25 Sigourney Street, 6th Floor
Hartford, CT 06106-5042

Department of Economic and Community Development
Catherine H. Smith
505 Hudson Street
Hartford, CT 06106-7106

Department of Transportation
James P. Redeker, Commissioner
2800 Berlin Turnpike
Newington, CT 06131-7546

Department of Agriculture
Steven K. Reviczky, Commissioner
165 Capitol Avenue
Hartford, CT 06106

Litchfield Hills Council of Elected Officials
Richard Lynn, Planning Director
42 E. North St.
Goshen, CT 06756

State Representative
Jay M. Case
63rd Assembly District
L.O.B. Room 4200
Hartford, CT 06106

State Senator
Kevin D. Witkos
8th District
L.O.B Room 3400
Hartford, CT 06106

Federal

Federal Communications Commission
445 12th Street SW
Washington, D.C. 20554

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

U.S. Congressman John B. Larson
221 Main Street, 2nd Floor
Hartford, CT 06106

U.S. Senator Richard Blumenthal
90 State House Square, 10th Floor
Hartford, CT 06103

U.S. Senator Christopher Murphy
One Constitution Plaza, 7th Floor
Hartford, CT 06103

Town of Colebrook

Thomas D. McKeon
First Selectman
562 Colebrook Road, PO Box 5
Colebrook, CT 06021

Marc Melanson
Building Official
562 Colebrook Road, PO Box 5
Colebrook, CT 06021

Debra L. McKeon, CCTC
Town of Colebrook, Town Clerk
562 Colebrook Road, PO Box 5
Colebrook, CT 06021

Assessor's Office
Michele Sloane, CCMAI
562 Colebrook Road, PO Box 5
Colebrook, CT 06021

Jerome Rathbun, Chairman
Conservation Commission
562 Colebrook Road, PO Box 5
Colebrook, CT 06021

Duncan Wilber, Chairman
Inland Wetlands Commission
562 Colebrook Road, PO Box 5
Colebrook, CT 06021

Robert A. Suprenant, Chairman
Planning & Zoning Commission
562 Colebrook Road, PO Box 5
Colebrook, CT 06021

Dated:_____

_____
Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
Attorneys for :
New Cingular Wireless PCS, LLC ("AT&T)

ATTACHMENT 9

July __, 2013

VIA CERTIFIED MAIL

Re: New Cingular Wireless PCS, LLC ("AT&T")
Wireless Telecommunications Tower Facility
522 Colebrook Road
Colebrook, Connecticut

Dear _____:

We are writing to you on behalf of our client New Cingular Wireless PCS, LLC ("AT&T") with respect to the above referenced matter and our clients' intent to file an application with the State of Connecticut Siting Council for approval a proposed wireless communications tower facility (the "Facility") within the Town of Colebrook.

State law requires that record owners of property abutting a parcel on which a facility is proposed be sent notice of an applicant's intent to file an application with the Siting Council. The Facility candidate is located at 522 Colebrook Road, Colebrook. Included with this letter please find a Notice of this application with details of the proposed Facility.

The location, height and other features of the 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 contact the Connecticut Siting Council or the undersigned after August 2, 2013, the date which the application is expected to be on file.

Very truly yours,

Lucia Chiocchio

Enclosure

NOTICE

Notice is hereby given, pursuant to Section 16-50*l*(b) of the Connecticut General Statutes and Section 16-50*l*-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 August 2, 2013 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 Colebrook, Connecticut.

The proposed facility is located at 522 Colebrook Road and identified as parcel number M15-B25 by the Colebrook Tax Assessor. The proposed facility is located in the south-east portion of the 73.1 acre parcel and is proposed as a 120-foot self-supporting tower. The tower, antennas and ground equipment will be located within a 75' x 75' fenced equipment compound area. Vehicular access to the Facility would be provided from Smith Hill Road over a new 12' wide gravel access drive.

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

The facility is being proposed to allow AT&T to provide service in this area of the State. 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 facility, 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 Colebrook, Connecticut are invited to review the Application during normal business hours after August 2, 2013 at any of the following offices:

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Debra L. McKeon
Town Clerk
562 Colebrook Road
P.O. Box 5
Colebrook, CT 06021

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

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

ADJACENT PROPERTY OWNERS
552 Colebrook Road

Thompson Land Partnership
P.O. Box 3
Colebrook, CT 06021

Mary Seacord & Ruth Trowbridge
c/o C B Salevitz, P.O. Box 1
Colebrook, CT 06021

Cheryl Menard (John not included on address)
P. O. Box 305
Colebrook, CT 06021

David & Ann Georgiades
333 East 68th Street
New York, NY 10065

Alesia Maltz
P.O. Box 63
Colebrook, CT 06021

Bruce Bogdany & Robin Boisvert
7 Wheeler Road
Winsted, CT 06098

Wheeler Limited Liability, LP
302 Somerset Road
Baltimore, MD 21210

Colebrook Consolidated School
452 Smith Hill Road
Colebrook, CT 06021

James & Barbara Millar
P. O. Box 65
Colebrook, CT 06021

Kenneth & Helen Campbell
122 Old Colebrook Rd.
Colebrook, CT 06021

Debra & Bradley Wheeler
c/o Debra Nyul
2012 Wilshire Blvd
Fort Worth, TX 76110

William & Virginia Ekert
15 Wheeler Road
Winsted, CT 06098

Colebrook Land Conservancy, Inc.
P.O. Box 90
Colebrook, CT 06021

CERTIFICATION OF SERVICE

I hereby certify that on the 24 of July 2013, a copy of the foregoing letter and notice were mailed by certified mail, return receipt requested to each of the abutting properties owners on the accompanying list.

7/24/13
Date

Lucia Chiocchio

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

Attorneys for:
New Cingular Wireless PCS, LLC ("AT&T")

C&F: 2198373.1

ATTACHMENT 10

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;	Executive Summary, page 3 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;	Executive Summary, page 3 Facility Design: page 14
(C) A statement of the purpose for which the application is made;	Purpose and Authority, page 3
(D) A statement describing the statutory authority for such application;	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;	The Applicant, page 5
(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;	The Applicant, page 5
(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;	Statement of Need, page 6 Attachment 1: Statement of Need and Radio Frequency Analysis
(H) A statement of the benefits expected from the proposed facility with as much specific information as is practicable;	Statement of Benefits, page 11
(I) A description of the proposed facility at the proposed prime and alternative sites including: (**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	Executive Summary, page 3 Facility Design: page 14 Attachment 3: Description and Design of Proposed Facility Attachment 4: Environmental Assessment Statement Power Density, page 17 Attachment 1: Statement of Need and Radio Frequency Analysis

Application Guideline	Location in Application
power densities from the facility; (**5**) A map showing any fixed facilities with which the proposed facility would interact; (**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 (**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.	Attachment 1: Statement of Need and Radio Frequency Analysis
(J) A description of the named sites, including : (**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; (**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; (**3**) A site plan (scale not less than 1 inch = 40 feet) showing the proposed facility, set back radius, existing and proposed contour elevations, 100 year flood zones, waterways, and all associated equipment and structures on the site; (**4**) Where relevant, a terrain profile showing the proposed facility and access road with existing and proposed grades; and (**5**) The most recent aerial photograph (scale not less than 1 inch = 1000 feet) showing the proposed site, access roads, and all abutting properties.	Attachment 3: Description and Design of Proposed Facility Attachment 5: Visibility Analyses
(K) A statement explaining mitigation measures for the proposed facility including: (**1**) Construction techniques designed to specifically minimize adverse effects on natural areas and sensitive areas; (**2**)Special design features made specifically to avoid or minimize adverse effects on natural areas and sensitive areas, including but not limited to a yield point, if applicable; (**3**) Establishment of vegetation proposed near residential, recreation, and scenic areas; and (**4**) Methods for preservation of vegetation for wildlife habitat and screening; and (**5**) Other environmental concerns identified by the applicant,	Attachment 3: Description and Design of Proposed Facility Attachment 4: Environmental Assessment Statement VI: Environmental Compatibility, page 15

Application Guideline	Location in Application
the Council, or any public agency, including but not limit to, where applicable: Coastal Consistency Analysis, Connecticut Heritage Areas, Ridgeline Protection Zones, DOT Scenic Lands, State Parks and Forests, Agricultural Lands, Wild and Scenic Rivers, Protected Rivers, Endangered, Threatened or Special Concern Species	
(L) A description of the proposed site and any alternative sites, including the zoning classification, planned land uses and surrounding areas;	Planned and Existing Land Uses, page 19
(M) A description of the scenic, natural, historic, and recreational characteristics of the proposed sites and any alternative sites and surrounding areas including but not limited to officially designated nearby hiking trails, nature preserves and scenic roads;	Environmental Compatibility, page 15 Attachment 5 Visual Analysis Report
(N) Visibility Analyses of the proposed site area and any alternative site areas including, but not limited to: (**1**) A viewshed analysis consisting of a two-mile radius from visually impacted areas such as residential developments, recreational areas, and historic sites; (**2**) Photographic documentation; (**3**) Balloon float photographs; (**4**) Photographic simulations in "leaf-on" and "leaf-off" conditions, where possible, and; (**5**) If proposed in close proximity to a shoreline, including lakes and rivers, photographic documentation from open waters, where possible. **(N-a)** An affidavit for each balloon float conducted at the proposed site and any alternative sites including the date, time and demonstrated height.	Attachment 5 Visibility Analysis
(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;	Site Selection, page 13 Attachment 2: Site Search Summary
(P) A description of efforts to share existing towers, including but not limited to installations on electric transmission poles, or to 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;	Executive Summary, page 3 Site Selection, page 13 Tower Sharing, page 14 Facility Design: page 14 Attachment 2: Site Search Summary

Application Guideline	Location in Application
(Q) A description of the technological alternatives and a statement containing justification for the proposed facility;	Technological Alternatives, page 12 Attachment 1: Statement of Need and Radio Frequency Analysis
(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;	Site Selection, page 13 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);	Site Selection, page 13 Attachment 2: Site Search Summary
(T) A statement describing hazards to human health, if any, with such supporting data including signal frequency, power density and references to regulatory standards;	Environmental Compatibility, page 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;	Overall Estimated Cost, page 22
(V) A schedule showing the proposed program of site acquisition, construction, completion, operation and relocation or removal of existing facilities for the named sites;	Overall Scheduling, page 23
(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 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; An affidavit of the balloon float conducted on the day of the first hearing session including the date, time, demonstrated height and weather condition shall be filed with the Council as soon as is practicable; and	Visual Assessment, page15
(X) Such information as any department or agency of the state exercising environmental controls may, by regulation, require including: 1. A listing of any Federal, State, regional, district, and municipal agencies, including but not limited to the Federal Aviation Administration; Federal Communications	Environmental Compatibility, page 15 Attachment 6: Correspondence with State Agencies

Application Guideline	Location in Application
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.	Attachment 7: Relevant Correspondence with the Town of Colebrook Consistency with the Town of Colebrook's Land Use Regulations, page 19 Bulk Filing
(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;	V: Facility Design, page 14
(Z) Such information as the applicant may consider relevant.	