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 8 BARNES ROAD IN THE TOWN OF CANAAN (FALLS VILLAGE), CONNECTICUT

DOCKET NO._____

October 18, 2010

APPLICATION FOR CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED

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

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

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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 tower facility (the "Facility") in the Town of Canaan, commonly known as Falls Village. The proposed Facility is a necessary component of AT&T's wireless network and its provision of personal wireless communications services to the public in the eastern portion of Falls Village.

B. Executive Summary

Wireless coverage in the Falls Village area suffers from significant gaps in service due to the overall lack of wireless infrastructure in this area of the State. In March 2008, AT&T issued a site search ring centered on the higher elevations east of Falls Village, and Routes 7, 126 and

63. AT&T's principal coverage objective as part of this site search was to find a location from which to provide service to residents, businesses and visitors to the Falls Village area and along Routes 7, 126, 63 and other local roads in the area.

Upon issuance of the site search ring, AT&T's real estate and radiofrequency engineering departments conducted field reviews in the area to ascertain the existence of any existing commercial wireless infrastructure, tower sites or other tall structures. Sites were cataloged by AT&T real estate personnel and evaluated by AT&T's radiofrequency engineers. In this area of Falls Village, there are no known commercial wireless sites in existence. Power lines along the valley floor and Route 63 were rejected for use by AT&T based on the lack of adequate coverage due to low overall relative elevation of this CL&P infrastructure. Other structures including a light duty private ham radio tower to the southeast and Town of Canaan water tanks to the west were rejected for use by AT&T based on a lack of adequate coverage due to the overall distance from the coverage objective.

As part of its due diligence, AT&T also reviewed the Connecticut Siting Council database for its record of telecommunications tower facilities in the Falls Village area. Upon reviewing same, AT&T noted the following:

- Docket 154 - DPS proposed tower denied in 1993.
- Docket 360 - Verizon proposed tower up to 157' approved in 2009. Not constructed and the subject of litigation (*See* Dina Jaeger v. Connecticut Siting Council et al, CV094020354S, March 15, 2010 and Dina Jaeger v. Cellco Partnership d/b/a Verizon Wireless and The Connecticut Siting Council, Civil Action No. 3:09CV567(SRU), March 16, 2010).

- Petition 452 - DPS approved installation on CL&P transmission tower along Route 63 in 2000.
- Petition 701 - Nextel proposed extension of CL&P transmission tower approved in 2005 and never constructed (*See* Bornemann, et al v. Connecticut Siting Council, et al, 287 Conn. 177, 947 A.2d 302, June 3, 2008).

Of note, none of the approved communications site locations could provide adequate coverage to the area AT&T is seeking to serve. Indeed, the Verizon approved tower in Docket 360 would be a fill-in site to the west at a later date in the evolution of AT&T's network in this part of the State. As such, AT&T next focused on potential properties on which a new tower could be constructed to provide its wireless service to the public in this area of the State.

Due to the terrain in this part of the State, many of the properties presented by AT&T's real estate personnel for consideration were rejected by AT&T's radiofrequency engineers as possible tower sites because their location would not enable AT&T to adequately meet the service objectives for the area and proposed site. One area, however, showed significant promise and is essentially at the top of a land mass known as Cobble Hill which is bounded geographically by Hollenbeck River and the Wangum Lake Brook. As such, AT&T focused on this area of Falls Village as a potential location for a tower site.

AT&T subsequently leased property at the higher elevations of Cobble Hill which are owned by the Estate of Dorothy A. Forino. The Estate owns two contiguous parcels of land which total approximately 75 acres in size and have a mailing address of 8 Barnes Road. A small hunting lodge is located on the property. Access is provided by recorded right-of-way over lands adjacent to Barnes Road just east of the Route 7/63 intersection.

AT&T's proposed Facility consists of a 150' monopole and associated unmanned equipment located in the northwestern portion of the property. AT&T will mount at least six (6) panel antennas on a low profile platform at a centerline height of 147' above grade level (AGL). A 12' by 20' equipment shelter will be installed adjacent to the tower within a 40' x 90' fenced gravel compound. Vehicular access to the facility will be provided over an existing access drive and logging trail from Barnes Road, a distance of approximately 3,050 feet. Utilities to serve the proposed facility would extend underground from pole number 2942 on Barnes Road and generally follow the existing access drive to be improved up to the tower compound location. Included in this Application and its accompanying attachments are reports, plans and visual materials detailing the proposed Facility, the environmental effects associated therewith, a summary of AT&T's technical consultation and other correspondence with State and local agencies. A copy of the Council's Community Antennas Television and Telecommunication Facilities Application Guide with page references from this Application is also included in Attachment 13.

C. The Applicant

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

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

Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
(914) 761-1300
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 11. Pursuant to CGS 16-50*l*(b), notice of the Applicant's intent to submit this application was published on two occasions in The Register Citizen and the Lakeville Journal, the paper utilized for publication of planning and zoning notices in the Town. A copy of the published legal notice is included in Attachment 12. The publisher's affidavits of publication

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 property on which the facility is proposed. Certification of such notice, a sample notice letter, and the list of property owners to whom the notice was mailed are included in Attachment 12.

III. Statements of Need and Benefits

A. Statement of Need

As the Council is aware, the United States Congress, through adoption of the Telecommunications Act of 1996, recognized the important public need for high quality telecommunication services throughout the United States. The purpose of the Telecommunication Act was to "provide for a competitive, deregulatory national policy framework designed to accelerate rapidly private sector deployment of advanced telecommunications and information technologies to all Americans." H.R. Conf. Rep. No. 104-458, 206, 104th Cong., Sess. 1 (1996). With respect to wireless communications services, the Telecommunications Act of 1996 expressly preserved State and/or local land use authority over wireless facilities, placed several requirements and legal limitations on the exercise of such authority and preempted State or local regulatory oversight in the area of emissions as more fully set forth in 47 U.S.C. § 332(c)(7). In essence, Congress struck a balance between legitimate areas of State and/or local regulatory control over wireless infrastructure and the public's interest in its timely deployment to meet the public need for wireless services. The importance of wireless service was recently recognized by President Barack Obama. In a December 2, 2009 proclamation, the President proclaimed that cellular phone towers (among other assets) are critical infrastructure vital to the United States. (See Proclamation 8460-Critical Infrastructure Protection Month, December 2, 2009).

The Facility proposed in this Application is an integral component of AT&T's network in its FCC licensed areas throughout the State. Currently, gaps in reliable coverage exist in the eastern portion of Falls Village along Routes 7, 126 and 63 and surrounding areas. The proposed Facility, in conjunction with other existing and proposed facilities in Falls Village, Cornwall and Salisbury, is needed by AT&T to provide its wireless services to people living, working and traveling through this area of the State. Attachment 1 of this Application includes a Statement of Radio Frequency ("RF") Need and propagation plots which identify and demonstrate the specific AT&T need for a wireless transmitting facility in this area of Falls Village.

B. Statement of Benefits

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

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

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

C. Technological Alternatives

The FCC licenses granted to AT&T authorize it to provide wireless services in this area of the State through deployment of a network of wireless transmitting sites. The proposed Facility is a necessary component of AT&T's wireless network. Repeaters, microcell transmitters, distributed antenna systems and other types of transmitting technologies are not a practicable or feasible means of providing coverage within the service area for this site. These technologies are suited for small, specifically-defined areas where new coverage is needed, such as commercial buildings, shopping malls or tunnels. Closing the coverage gap in eastern Falls Village involves the provision of coverage along local road (Routes 7, 126 and 63) and providing coverage to the widely dispersed homes in the area. As such, these technologies are not viable as an alternative to the need for a macrocell site in this area of the State. The Applicant submits 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 and Tower Sharing

A. Site Selection

AT&T began its investigation of the area with benchmark drive data on a gap in its wireless coverage in eastern Falls Village. AT&T then established a "site search area" in the general geographical location where the installation of a wireless facility would potentially

address the identified coverage problem while still allowing for orderly integration of a site into AT&T's network, based on the engineering criteria of hand-off, frequency reuse and interference avoidance. In any site search area, AT&T seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of a needed facility, while at the same time ensuring the quality of service provided by the site to users of its network.

Included in Attachment 2 is a map of AT&T's original site search area established in the eastern section of Falls Village. The search area is largely wooded with low density residential uses. The only tower identified in and around the AT&T site search area was a private ham radio tower that does not support commercial wireless carriers and which was rejected as a possible tower replacement candidate by AT&T's radiofrequency engineers based on its location relative to the coverage objectives. Other tall structures in and around the search ring included CL&P 115kv transmission line support structures that were also rejected by AT&T based on their relatively low ground elevation, relative heights and location south of the intervening terrain Cobble Hill blocking potential coverage to the north.

AT&T also searched the Siting Council's database to identify other existing or proposed wireless sites outside of its site search area to understand how they might interact with AT&T's proposed site in eastern Falls Village. AT&T noted Docket 360 and the approved Verizon tower at the Falls Village Volunteer Fire Department which has not yet been constructed and is the subject of litigation. AT&T also noted the Nextel CL&P transmission extension approved in Petition 701 which was never built and also the subject of litigation. Regardless, neither of these site locations are viable alternatives to AT&T's proposed tower in this Application and AT&T would proposed to use the Verizon approved tower at a later date if and when constructed.

As such, and only after determining that no existing structures could be used to provide the needed coverage in this area, AT&T commenced a search for potential tower sites. The search included review by AT&T radiofrequency engineers and investigative visits by AT&T real estate personnel. The predominant land use in the search area is single-family residential. AT&T reviewed several properties in and out of the search area as potential candidates. For various reasons, all but one of the properties reviewed were rejected by AT&T's radiofrequency engineers because intervening terrain would obstruct service to the intended coverage area. As such and as part of AT&T's due diligence, one potential tower site was identified -- the proposed site located at 8 Barnes Road which is an assemblage of two parcels totaling approximately 75 acres and owned by the Estate of Dorothy A. Forino.

Of note, AT&T also investigated two other locations suggested as a result of the municipal consultation process. One of the suggested sites, Music Mountain, is well south of the site search area and was rejected for failure to meet AT&T's coverage objectives. The other site suggested by a municipal official, Century Aggregate, was also rejected due to its proximity to an existing AT&T facility (AT&T's Site 1134) and its overall distance from the area where coverage is required. Additionally, while not asked by the Town, the Music Mountain property was also evaluated in combination with the approved Verizon Wireless tower which combination also failed to provide service to the area where coverage is needed by AT&T.

Ultimately, there simply are not significant tower siting options in this area of Falls Village. The proposed tower site location benefits from a higher relative terrain to the major coverage objectives in the area. Additionally, the site's vicinity to the Route 7/63 intersection is such that a tower will reliably provide service well north on Route 7, South on 63, to Route 126 and several other local roads in the area.

B. Tower Sharing

To maximize co-location opportunities and minimize the potential for towers needed by other carriers, AT&T proposes a 150' monopole tower and facility compound that can accommodate at least three additional carriers' antenna platforms. In addition, AT&T notified Falls Village that space could be made available on the tower for municipal antennas if the Town determined there was a specific need.

V. Facility Design

AT&T has leased a 10,000 square foot area on an assemblage of two parcels totaling approximately 75 acres, owned by the Estate of Dorothy A. Forino and located at 8 Barnes Road. The proposed Facility would consist of a 150' high self-supporting monopole within a 40' x 90' fenced equipment compound located in the northwestern portion of the property. AT&T would install at least six (6) panel antennas on a platform at a centerline height of approximately 147'AGL and unmanned equipment within the compound. The compound would be enclosed by an 8' tall chain link fence.

Both the monopole and the equipment compound are designed to accommodate the facilities of at least three other wireless carriers. Vehicle access to the compound will extend from Barnes Road south-easterly along an existing access drive and logging trail to be improved with gravel a distance of approximately 3,050' to the proposed compound. The existing access drive is benefited by a recorded perpetual easement and right-of-way for all purposes for which a public highway may be used including utilities. Utilities to serve the proposed facility would extend underground from pole number 2942 on Barnes Road and generally follow the access drive to the site.

Attachments 3, 4 and 5 contain the specifications for the proposed Facility including an abutters map, site access maps, a compound plan, tower elevation, drainage design report, and

other relevant details of the proposed Facility. Also included as Attachment 6 is a Visual Analysis Report. Some of the relevant information included in Attachments 3, 4, 5 and 6 reveals that:

- The property is classified locally in the Town of Canaan R80 zoning district;
- Grading and clearing of the proposed access drive and compound area would be required for the construction of the proposed Facility;
- Design of all proposed drainage improvements, including the access drive drainage, complies with the ConnDOT Drainage Manual and meets all requirements specified therein;
- The proposed access drive improvements will allow safe access by emergency vehicles;
- The proposed Facility will have no impact on water flow, water quality, or air quality;
- A wetlands delineation report indicates that there are no wetlands on the site;
- Year-round visibility of the proposed tower is limited to approximately 6.4% of the more than 8,000 acre study area and seasonal visibility is limited to less than 2% of the study area;
- The monopole will not be visible from the South Canaan Congregational Church (also known as the South Canaan Meeting House) or Music Mountain, both of which are listed on the National Register of Historic Places; and
- After review of AT&T's preliminary habitat evaluation, the Connecticut Department of Environmental Protection ("DEP") determined that there are no known extant populations of Federal or State endangered, threatened or special concern species occurring at the site.

VI. Environmental Compatibility

Pursuant to CGS Section 16-50p, the Council is required to find and to determine as part of the Application process any probable environmental impact of the facility on the natural environment, ecological balance, public health and safety, scenic, historic and recreational values, forest and parks, air and water purity and fish and wildlife. As demonstrated in this Application and the accompanying Attachments and documentation, AT&T is of the opinion that the proposed Facility will not have significant adverse environmental effects and/or any such effects are unavoidable in this area of the State in providing reliable service to the public.[2]

A. Visual Assessment

It is anticipated that the proposed 150' tall monopole will be visible from approximately 513 acres within the 8,042 study area. The majority of anticipated year-round visibility occurs over several of the low-laying swamps north and west of the proposed Facility. Visibility of the proposed Facility is not significantly adverse in context with the surrounding environment. Included in Attachment 6 is a Visual Analysis Report which contains a viewshed map and photosimulations of off-site views.

As shown in the report and photosimulations, most areas of visibility are expected distal to the site. The tower will not be visible from the South Canaan Congregational Church (also known as the South Canaan Meeting House) or Music Mountain. Residences along Route 63 and 126 that may have views of the proposed facility currently have views of the existing overhead electrical utility infrastructure that is closer to their homes.

As part of AT&T's due diligence, VHB was also asked to assess different tower heights and relative visibility. VHB determined that the difference in visibility between a 130' tall

[2] AT&T's environmental assessment includes additional follow up and updated consultation with various municipal, State and Federal governmental entities required for the Facility design updates.

monopole and a 150' tall monopole is not significantly different with respective quantitative or qualitative assessments. As such, AT&T is proposing a 150' tall monopole to maximize collocation opportunities and its own coverage in this area of the State.

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

B. Historic and Habitat Assessments

Various consultations with municipal, State and Federal governmental entities and AT&T consultant reviews for potential environmental impacts are summarized and included in Attachments 7, 8 and 9. AT&T submitted requests for review from Federal, State and Tribal entities including the United States Fish & Wildlife ("USFW") Service, the Connecticut State Historic Preservation Officer ("SHPO") and the Connecticut Department of Environmental Protection ("DEP").

AT&T's consultants conducted a preliminary habitat evaluation and submitted the results to DEP for review. In correspondence dated September 2, 2010, the DEP determined that there are no known extant populations of Federal or State endangered, threatened or special concern species occurring at the site. The habitat evaluation report and a copy of DEP's response are included in Attachment 8.

AT&T's consultants provided SHPO with data regarding the lack of visibility of the proposed Facility from the South Canaan Congregational Church and upon review, SHPO issued a "no effect" determination on September 13, 2010. SHPO's "no effect" determination is included in Attachment 9.

C. Power Density

In August 1996, the FCC adopted a standard for exposure to Radio Frequency ("RF") emissions from telecommunications facilities like those proposed in this Application. To ensure compliance with applicable standards, a maximum power density report was produced by AT&T and is included herein as part of Attachment 4. As demonstrated in this report, the calculated worst-case emissions from the site are only 5.95% of the MPE standard.

D. Clearing, Grading & Drainage Assessments

The proposed access drive and compound area will require clearing and grading. Approximately 127 trees with a diameters of six inches or greater at breast height will be removed for the construction of the access drive and compound. Drainage calculations for the access drive are included in Attachment 5. The Access Road Drainage Calculations report addresses the design of the drainage swales to protect the access road from washout, safely convey stormwater flows and protect outfall locations from erosion. As demonstrated therein, the design of all drainage improvements was done in accordance with the ConnDOT Drainage Manual and meets the criteria specified. Also, as noted in the Emergency Access Assessment statement included in Attachment 5, the proposed access road is designed to provide safe access for emergency vehicles, site technicians and heavy construction equipment.

E. Other Environmental Factors

The proposed Facility would be unmanned, requiring monthly maintenance visits approximately one hour long. AT&T's equipment at the Facility would be monitored 24 hours a day, seven days a week from a remote location. The proposed Facility does not require a water supply or wastewater utilities. No outdoor storage or solid waste receptacles will be needed. Further, the proposed Facility will not generally create or emit any smoke, gas, dust or other air contaminants, noise, odors or vibrations other than installed heating and ventilation equipment.

Temporary power outages could require the limited use of equipment batteries and provisions have been made for a permanent 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 the Site would require registration with the Federal Aviation Administration ("FAA"). The TOWAIR program results for the proposed facility, a copy of which is included in Attachment 3, indicate that registration with the FAA is not required for the proposed Facility let alone FAA review as a potential air navigation obstruction or hazard. As such, no FAA lighting or marking would be required for the tower proposed in this Application.

AT&T has evaluated the Site in accordance with the FCC's regulations implementing the National Environmental Policy Act of 1969 ("NEPA"). The Site was not identified as a wilderness area, wildlife preserve, National Park, National Forest, National Parkway, Scenic River, State Forest, State Designated Scenic River or State Gameland. Further, according to the site survey and field investigations, no Federally regulated wetlands or watercourses or threatened or endangered species will be impacted by the proposed Facility. Federal Emergency Management Agency ("FEMA") Flood Insurance Rate Maps of the proposed site indicate that the Site is not located within a 100 year or 500 year floodplain.

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

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

A. Falls Village's Plan of Conservation and Development

The Falls Village Plan of Conservation and Development, dated 2002, addresses wireless facilities generally through a recommendation that wireless communication trends should be monitored to anticipate how to address such facilities such as minimizing the number of towers, minimizing impacts on the community character and maximizing municipal revenue. See Bulk Filing, Section 1, page 77. AT&T's proposed Facility seeks to minimize the overall number of towers required in Falls Village and minimize impacts to the extent practical and feasible. With respect to municipal revenue, there are no viable municipally owned sites within the area where service is needed for the siting of the proposed Facility. AT&T's proposal is also consistent with the Town's encouragement of broadband capabilities, a separate goal identified on page 77. Finally, we note that the Plan of Conservation and Development identifies Cobble Hill as a landform resource that adds to the overall community character. See Bulk Filing, Section 1, page 34. It respectfully submitted that while AT&T's proposed Facility on Cobble Hill will be visible from various vantage points in the community, potential views are largely distant and unavoidable.

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

The Site is classified in the Town of Canaan's R80 Zoning District. The Town of Canaan Zoning Regulations include Telecommunication Tower Guidelines. The guidelines note the Town's recognition of the Siting Council's authority to regulate new tower facilities and sets forth guidelines for the siting of new towers within Falls Village. (See Town of Canaan (Falls Village) Zoning Regulations Applicant's Bulk Filing, Section 2). Specifically, Section 9.2 of the Zoning Regulations set forth the telecommunication tower guidelines and the consistency of the proposed Facility with these guidelines is illustrated in the table below. The first two columns

include the guidelines and the third column applies these standards to the proposed AT&T monopole Facility.

C. Local Zoning Guidelines and Dimensional Requirements

Section from the Zoning Regulations	Standard or Preference	Proposed Facility
9.2.3.a Locational Preferences	New towers only in areas lacking adequate service	The proposed facility is needed by AT&T to fill a gap in service.
9.2.3.b Locational Preferences	Applications should include a review of alternative locations	An exhaustive site search was conducted that included existing and approved structures, towers within and outside of the search area and sites suggested by Town representatives.
9.2.3.c Locational Preferences	Analysis of taller towers to provide collocation opportunities or several shorter towers	The proposed Facility is designed to accommodate collocation.
9.2.3.d Locational Preferences	Establish locations least disruptive to the public health, safety and welfare and consistent with the Plan of Conservation and Development	The proposed Facility will have no adverse impact on the public health, safety and welfare, will benefit residents by providing access to wireless services and is generally consistent with the recommendations for wireless facilities in the Plan of Conservation and Development.
9.2.4.a Resource Protection Guidelines	Proposed location should preserve environmentally sensitive areas, including unique wildlife habitats, wetlands, historic and archaeological resources	Based on the studies completed by AT&T, the proposed tower site is not characterized by unique wildlife habitats, wetlands or historic or archaeological resources. SHPO issued a "no effect" determination. The DEP determined that there are no known extant populations of Federal or State endangered, threatened or special concern species occurring at the site.
9.2.4.b Resource Protection Guidelines	Avoid any officially designated historic areas	The proposed site is not in an officially designated historic area.

Section from the Zoning Regulations	Standard or Preference	Proposed Facility
9.2.4.c Resource Protection Guidelines	Minimize any adverse visual impacts	The proposed Facility consists of a self-supporting monopole with low profile platforms. Alternative tower structures will be considered by the Siting Council as part of the Application process.
9.2.4.d Resource Protection Guidelines	No detrimental impact to any scenic areas, vista, ridgeline, wildlife corridor or significant geological or natural features	The proposed Facility will be visible from various vantage points in the community but will not have a detrimental impact to any documented scenic area or vista. The facility is not located on a ridgeline or in a wildlife corridor. It is located on Cobble Hill which is largely wooded. Views from areas within Cobble Hill itself will be limited.
9.2.4.e Resource Protection Guidelines	Views from designated scenic roads should be protected	Route 7 in this area of the State is a designated State and local scenic road. There are potential views from Route 7 which is a significant part of the intended coverage area.
9.2.4.f Resource Protection Guidelines	Use of public open space areas, including parks and recreational areas should not be compromised	The proposed facility will not have any impact on the use of public open space areas, including parks and recreational areas. There will be views of the Facility from portions of the Robbins Swamp Wildlife Area.
9.2.5.a Design Guidelines	Use of stealth technologies should be encouraged	The proposed Facility consists of a self-supporting monopole. Any stealth or alternative tower structures will be considered by the Siting Council as part of the Application process.
9.2.5.b Design Guidelines	Adequate fall zone that will protect public safety and potential damage to adjacent properties	The 150' tower radius is located entirely within the property owners' premises and no structures are located within this area.
9.2.5.c Design Guidelines	No signage unless required for public safety	No signage is proposed other than governmentally required signage on the fence compound and equipment shelter.
9.2.5.d Design Guidelines	No lighting unless required for public safety	No tower lighting is proposed or required. Site lighting will be limited to a low wattage fixture near the equipment shelter entrance.

Section from the Zoning Regulations	Standard or Preference	Proposed Facility
9.2.5.e Design Guidelines	Minimize impervious surfaces; avoid soil erosion, maintain natural buffers, provide for security and safe access management	All appropriate sediment and erosion control measures will be designed and employed in accordance with the Connecticut Soil Erosion Control Guidelines, as established by the Council of Soil and Water Conservation. Design of all drainage improvements meets the ConnDOT drainage manual requirements for a light duty access road.
9.2.6.a Maintenance Guidelines	Removal of obsolete or unused facilities	Certificates issued by the Siting Council contain a provision requiring removal of abandoned or unused facilities.
9.2.6.b Maintenance Guidelines	Reduction of tower height and visibility if alternative technologies make proposed facilities outdated	The proposed Facility is designed to maximize collocation opportunities and to minimize the number of tower facilities and AT&T will deploy the latest technologies used in the delivery of its services to the public.

D. Planned and Existing Land Uses

Properties immediately surrounding the subject site include low-density single family residential homes and Nature Conservancy of Connecticut 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 AT&T's Bulk Filing.

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

The Town of Canaan's Inland Watercourses Regulations ("Local Wetlands Regulations") regulate certain activities conducted in "Wetlands" and "Watercourses" as defined therein. No wetlands were delineated on the property. All appropriate sediment and erosion control measures will be designed and employed in accordance with the Connecticut Soil Erosion Control Guidelines, as established by the Council of Soil and Water Conservation. Soil erosion control measures and other best management practices will be established and maintained

throughout the construction of the proposed Facility. Included in Attachment 4 is a Wetlands Delineation Report for the site.

VIII. Consultations with Local Officials

CGS Section 16-50*l*(e) requires an applicant to consult with the municipality in which a proposed facility may be located and with any adjoining municipality having a boundary of 2,500 feet from the proposed facility concerning the proposed facility. A Technical Report was filed with Falls Village on October 29, 2009. Representatives of AT&T coordinated the scheduling of a public information session with the First Selectwoman that was held on December 9, 2009 in Falls Village. Representatives of the Falls Village Board of Selectmen, Planning & Zoning Commission; Inland Wetlands and Conservation Commissions as well as members of the public attended the public information session. Representatives of AT&T conducted a power point presentation that included information provided in the Technical Report and answered various questions from Town officials and public.

Subsequent to the public information session, AT&T conducted a balloon float at the site to gather additional visual data in conjunction with its continued due diligence. Representatives of AT&T notified the Town in advance of balloon float.[3] No specific comments or recommendations from the Town itself came out of the sixty day consultation process held in the Fall of 2009.

The municipal consultation did result in a few suggested alternative sites that were thoroughly investigated by AT&T. Through the Chairman of the Inland Wetlands/Conservation Commissions, a few members of the public provided information regarding their property for evaluation as alternative sites. The alternatives suggested included the Music Mountain property

[3] Two notices regarding the balloon float were submitted to the Town as the first scheduled balloon float was cancelled due to weather conditions.

and the Century Aggregate property (Sites listed numbers 11 and 13 on the Site Search Summary and map provided in Attachment 2). AT&T investigated both of these suggested sites and determined that due to their locations, neither would provide service to the area where coverage is needed. Moreover, the existing structures on the Music Mountain property are listed on the National Register of Historic Places. In addition to being located too far from the coverage gap, the Century Aggregate suggested site is located in close proximity to an existing AT&T facility, Site 1134 (Litchfield County Dispatch). In correspondence dated March 24, 2010, AT&T's provided its findings regarding the suggested alternatives to the Town. This information was also shared with the Attorney General whose office had corresponded with AT&T during its municipal consultation with Falls Village.

As part of its continued due diligence before Application filing, AT&T and its consultants developed and gathered more data in response to comments from the information session held as part of the technical consultation and critically evaluated the proposed tower location with respect thereto. AT&T determined that a relocation of the proposed Facility approximately 1,200 feet to the west and slightly north of the tower site location identified in the Technical Report would provide a significant reduction in the length of the access drive which was an area of concern by various Town officials (a reduction of approximately 1,040'). Additionally, the revised location coupled with an increase in the proposed height of the tower from 120' to 150' AGL would provide improved AT&T service in the area and minimize the need for additional sites in the future. AT&T shared the details of the proposed Facility location and design updates, including drawings, with the Town in correspondence dated September 10, 2010. Copies of all correspondence with Falls Village are included in Attachment 10.

IX. Estimated Cost and Schedule

A. Overall Estimated Cost

The total estimated cost of construction for the proposed Facility is $427,000. This estimate includes:

(1) Tower and foundation costs (including installation) of approximately $90,000;

(2) Site development costs of approximately $152,500;

(3) Utility installation costs of approximately $91,500; and

(4) Facility installation costs of approximately $93,000.

B. Overall Scheduling

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

X. Conclusion

This Application and the accompanying materials and documentation clearly demonstrate that a public need exists in the eastern portion of Falls Village and surrounding areas for the provision of wireless services to the public by AT&T and other wireless carriers. Further, that a new tower facility is required to effectively and reliably provide such services to the public. The Application also documents the significant terrain limitations and therefore limited tower siting options in this part of the State in providing services to the public. AT&T submits that its

proposed Facility on Cobble Hill will not have any substantial adverse environmental effects and/or that any such effects are unavoidable and can be mitigated to the extent possible. As such, 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 such that a Certificate of Environmental Compatibility and Public Need should be issued for the proposed wireless telecommunications facility at 8 Barnes Road in the Town of Canaan (Falls Village).

Respectfully Submitted,

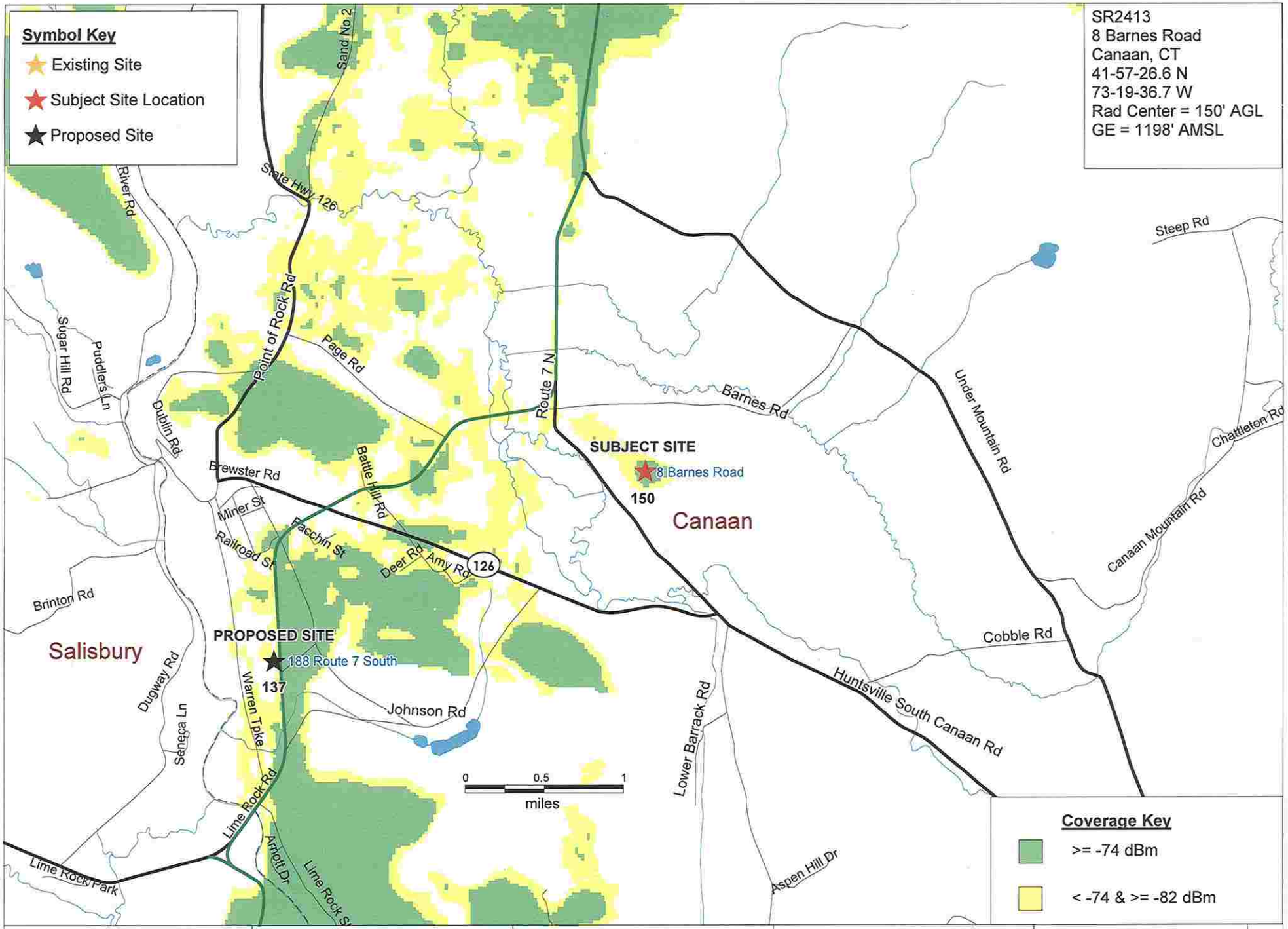
By: 

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

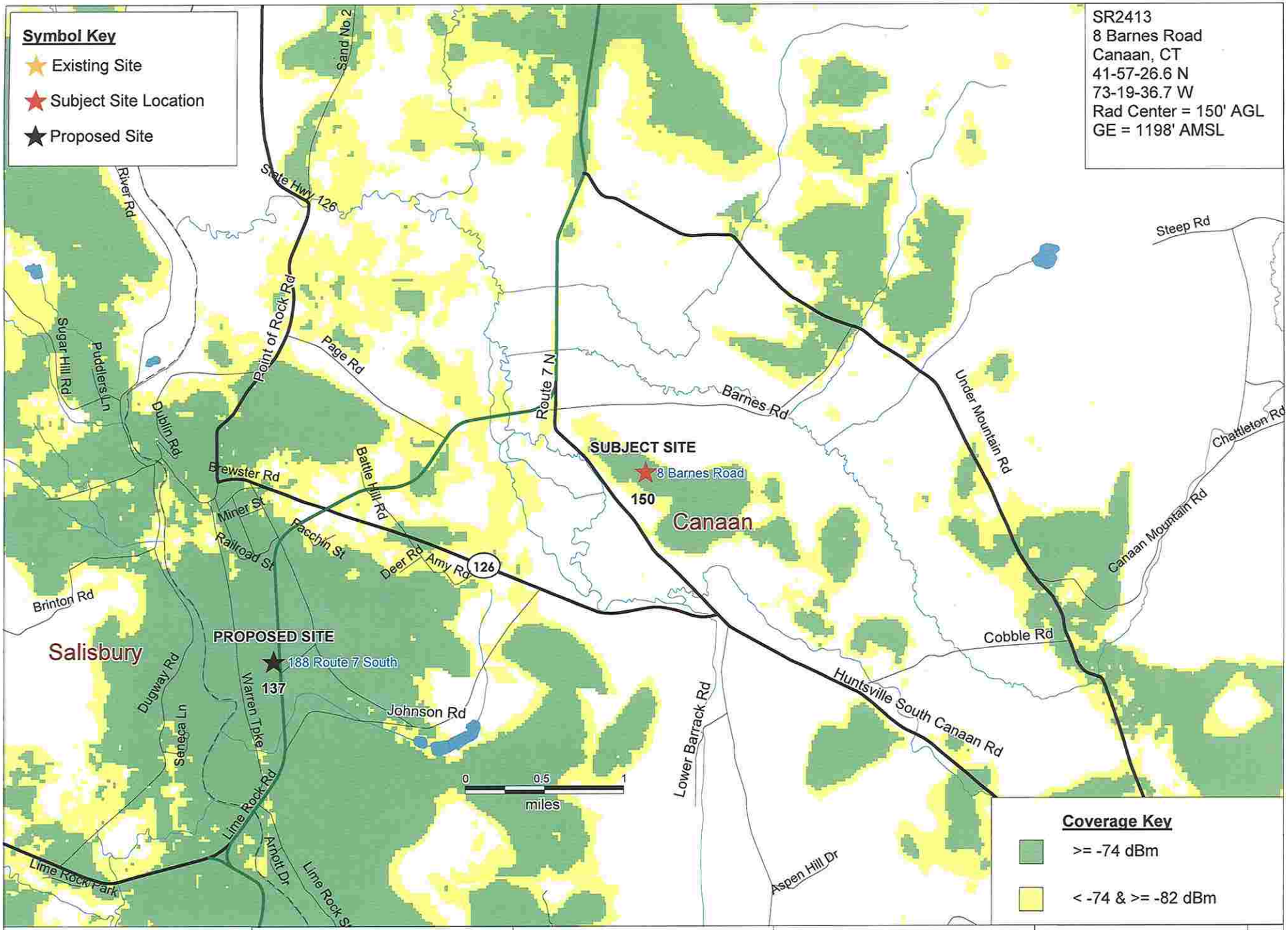
Statement of Public Need

The proposed facility will provide wireless communications service along Routes 63, 7, 126 and Under Mountain Road and surrounding areas in the Town of Canaan (Falls Village). The facility is needed by AT&T in conjunction with other existing and proposed facilities in Falls Village and adjoining communities. Attached are coverage plots that depict the "Existing Site Coverage" provided by AT&T's existing facility in this area; "Existing & Proposed Site Coverage" depicting coverage from the existing facility and neighboring proposed sites; and "Existing & Proposed Sites & Subject Site Coverage" depicting the coverage from the proposed facility at Barnes Road. To further demonstrate the need for the proposed facility, the enclosed coverage plots include proposed coverage from the approved Verizon Wireless facility (Docket 360; 188 Route 7 South). An information sheet providing details of surrounding telecommunication sites is also included.

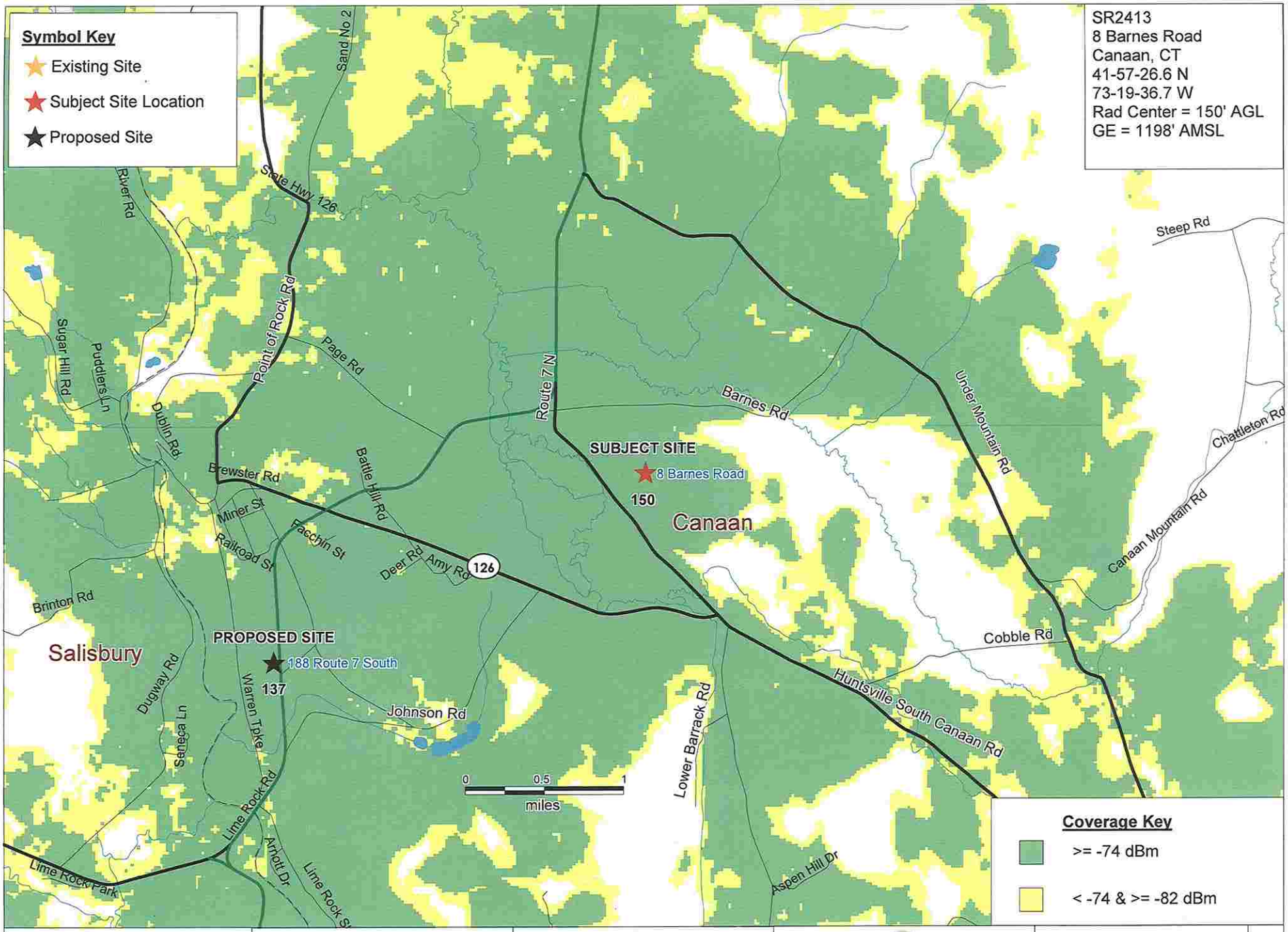
As clearly demonstrated by these materials, a facility in this area of Falls Village is required for AT&T to serve the public in this portion of the Town.



Existing Site Coverage	Falls Village	Canaan, CT	at&t	PREPARED ON DATE: 08/23/2010 REV 0



Existing & Proposed Site Coverage	**Falls Village**	Canaan, CT	at&t	PREPARED ON DATE: 08/23/2010 REV 0



Existing & Proposed Site & Subject Site Coverage	**Falls Village**	Canaan, CT	at&t	PREPARED ON DATE: 08/23/2010 REV 0

AT&T
Existing Tower/Cell Sites

Site Number	Owner	Address	Facility Type	Antenna Height (feet)
1251	Wireless Edge	52 Library St, Salisbury	monopole	153'
1007	Lime Rock Park	Lime Rock Park Rd, Salisbury	wood pole	53'
1180	SBA	477 Route 7, Sharon	stealth	98'
1181	Sprint	10 Ashpohtag Rd, Norfolk	monopole	137'
1134	Litchfield County Dispatch	38 Lower Rd, N Canaan	lattice	143'

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. As a result of the municipal consultation, AT&T also investigated two other sites suggested by Town representatives - Music Mountain and Century Aggregate.

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 or such structures are not viable for AT&T siting thereon. Indeed, the existing towers located on Route 63 and Under Mountain Road, designated as facilities 1 and 2 in Existing Tower/Cell Site Listing, would not provide service to the area targeted for service by the proposed facility. Also, due to their location, the existing power lines do not provide a feasible alternative. The power lines are situated in a valley (low elevation) characterized by wetlands.

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: 8 Barnes Road
Owner: Kathleen A. Christiano, Conservator of the Estate of Dorothy A. Forino
Map/Lot: 5/22 & 5/60
Deed: 66/808 & 66/809, respectively
Zoning District: R 80
Lot Size: Approximately 74.46 Acres (49.81 Acres (5/22) & 24.65 Acres (5/60))

This property is the candidate site.

2. Address: 188 Route 7 South (approved Verizon tower)
Map/Lot: 15/11-1
Deed: 60/578
Owner: Falls Village Volunteer Fire Department, Inc.
Zoning District: RA
Lot Size: Approximately 7.15 Acres

This is an approved 150-foot mono pine (Connecticut Siting Council Docket 360); collocation at 140' rejected by AT&T's radio frequency engineers to meet the coverage objectives in this area. This site will be utilized in the future to augment coverage along Route 7 to the south and west.

3. Address: 167 Route 63
Map/Lot: 5/26-1
Deed: 47/395
Owner: Hanlon
Zoning District: R 80
Lot Size: Approximately 193 Acres

Farm land location rejected by AT&T's radio frequency engineers.

4. Address: Route 63
Map/Lot: 5/8
Deed: 38/441
Owner: Town of Canaan (Transfer Station & Pool)
Zoning District: R 80
Lot Size: Approximately 76.3 Acres

Town Landfill location rejected by AT&T's radio frequency engineers.

5. Address: 392 Under Mountain Road
Map/Lot: 6/2
Deed: 71/49
Owner: Wright
Zoning District: R 80
Lot Size: Approximately 5.81 Acres

Private lattice tower on residence rejected by AT&T's radio frequency engineers.

6. Address: Canaan Mountain Road
Map/Lot: 6/6
Deed: 64/759
Owner: Great Mountain Forest Corp.
Zoning District: R-80
Lot Size: Approximately 67 Acres

Non-profit forest location rejected by AT&T's radio frequency engineers.

7. Address: Under Mountain Road
Map/Lot: 5/34 & 5/35
Deed: 71/611
Owner: Stolark
Zoning District: R 80
Lot Size: Approximately 155 & 167 Acres, respectively

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

8. Address: 79 Steep Road
Map/Lot: 9/9 & 9/10-1
Deed: 57/810
Owner: Wiseman
Zoning District: R 80
Lot Size: Approximately 127.9 Acres & 77.89 Acres, respectively (part of a compilation of over 700 acres)

Residential compound location rejected by AT&T's radio frequency engineers.

9. Address: Steep Road
Map/Lot: 8/49-2
Deed: 68/976
Owner: Spinella
Zoning District: R 80
Lot Size: Approximately 73 Acres (part of compilation of over 141 acres)

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

10. Address: 177 Under Mountain Road
Map/Lot: 8/40
Deed: 53/647
Owner: Orr-Andrawes
Zoning District: R 80
Lot Size: Approximately 153 Acres

Private residence location rejected by AT&T's radio frequency engineers.

11. Address: Music Mountain Road
Map/Lot: 2/30
Deed: 33/24
Owner: Music Mountain
Zoning District: R80
Lot Size: Approximately 123.8 acres

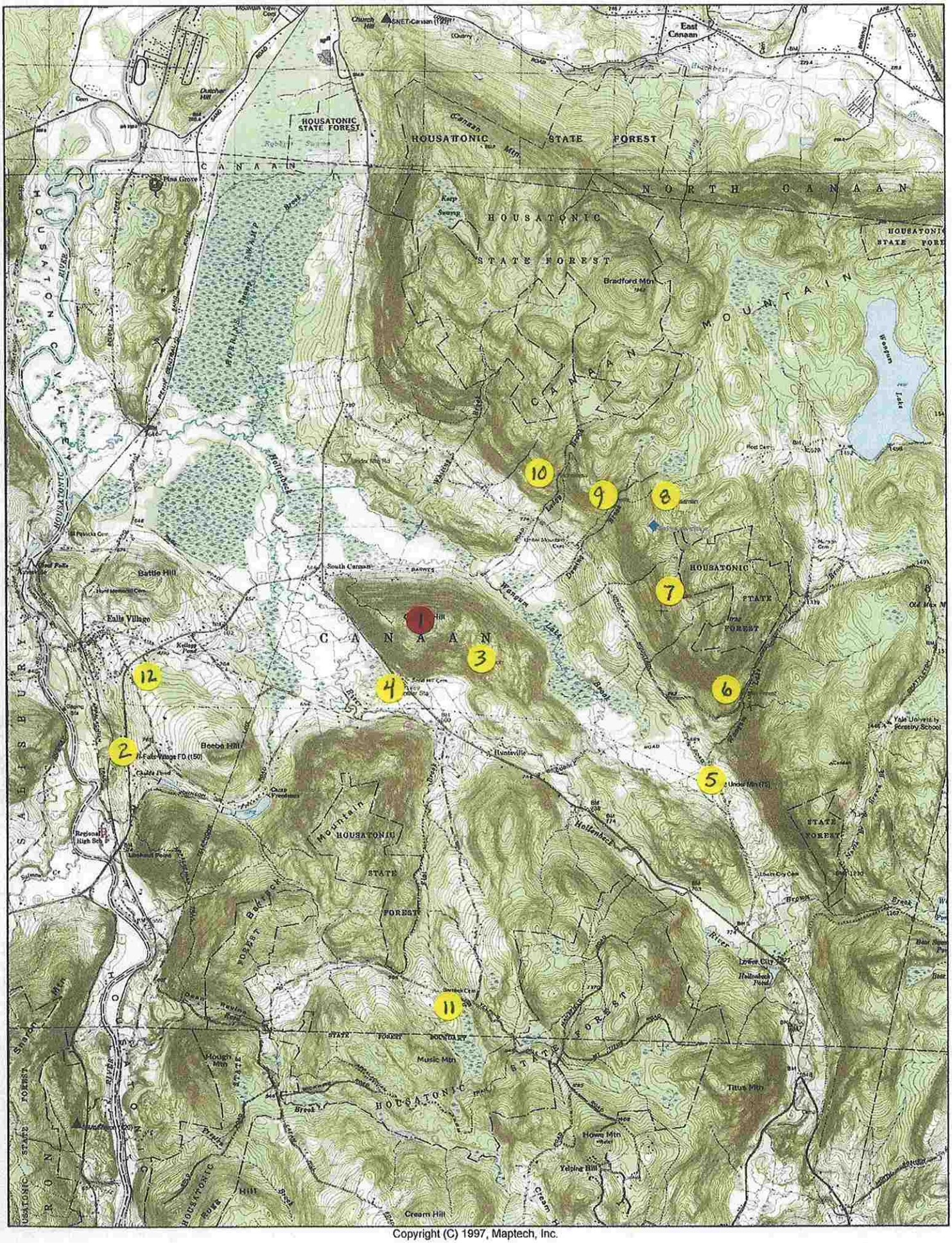
Site suggested by the Town and rejected by AT&T's RF radio frequency engineers.

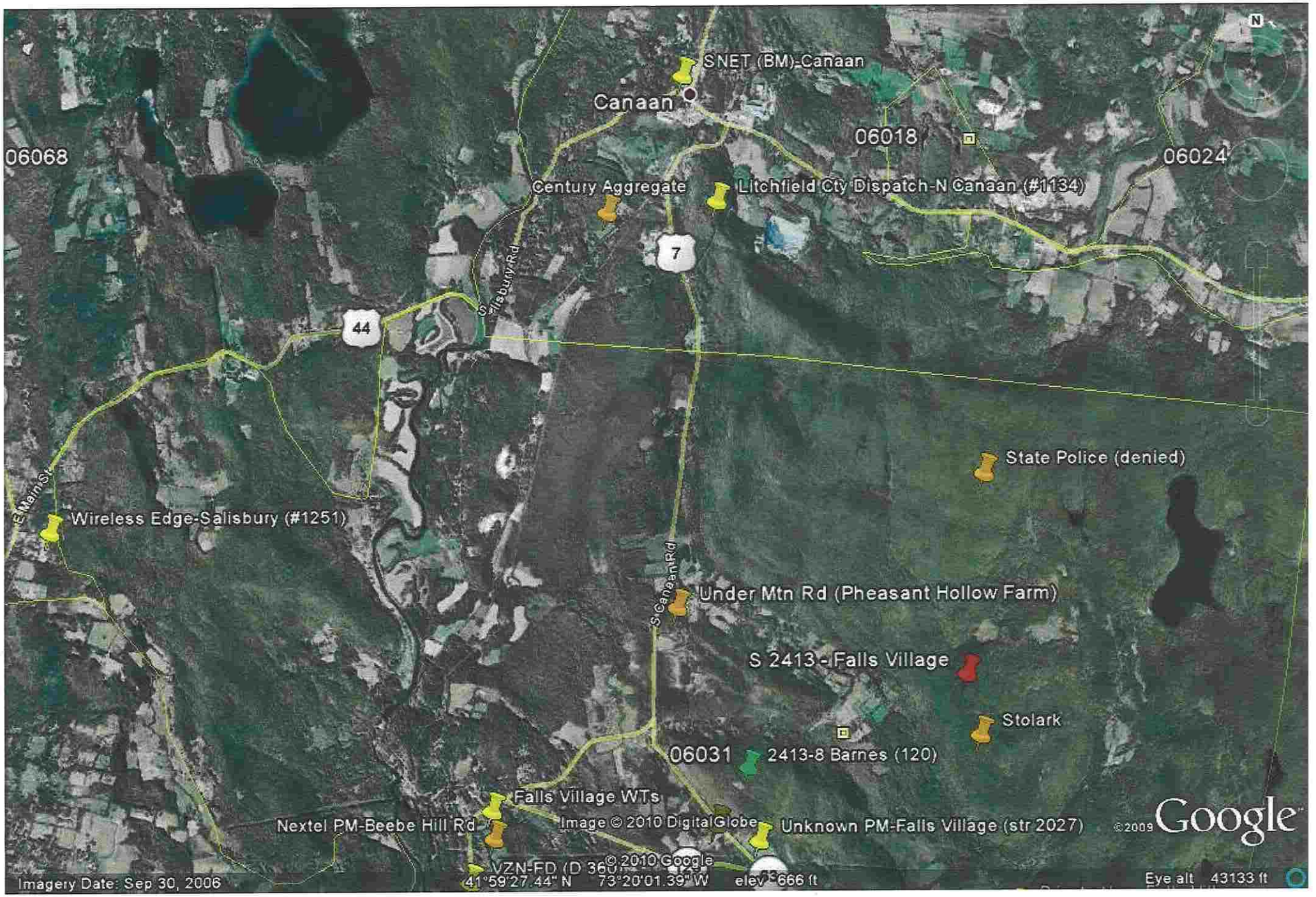
12. Address: Beebe Hill Road
Falls Village Water Tanks (± 45' AGL)

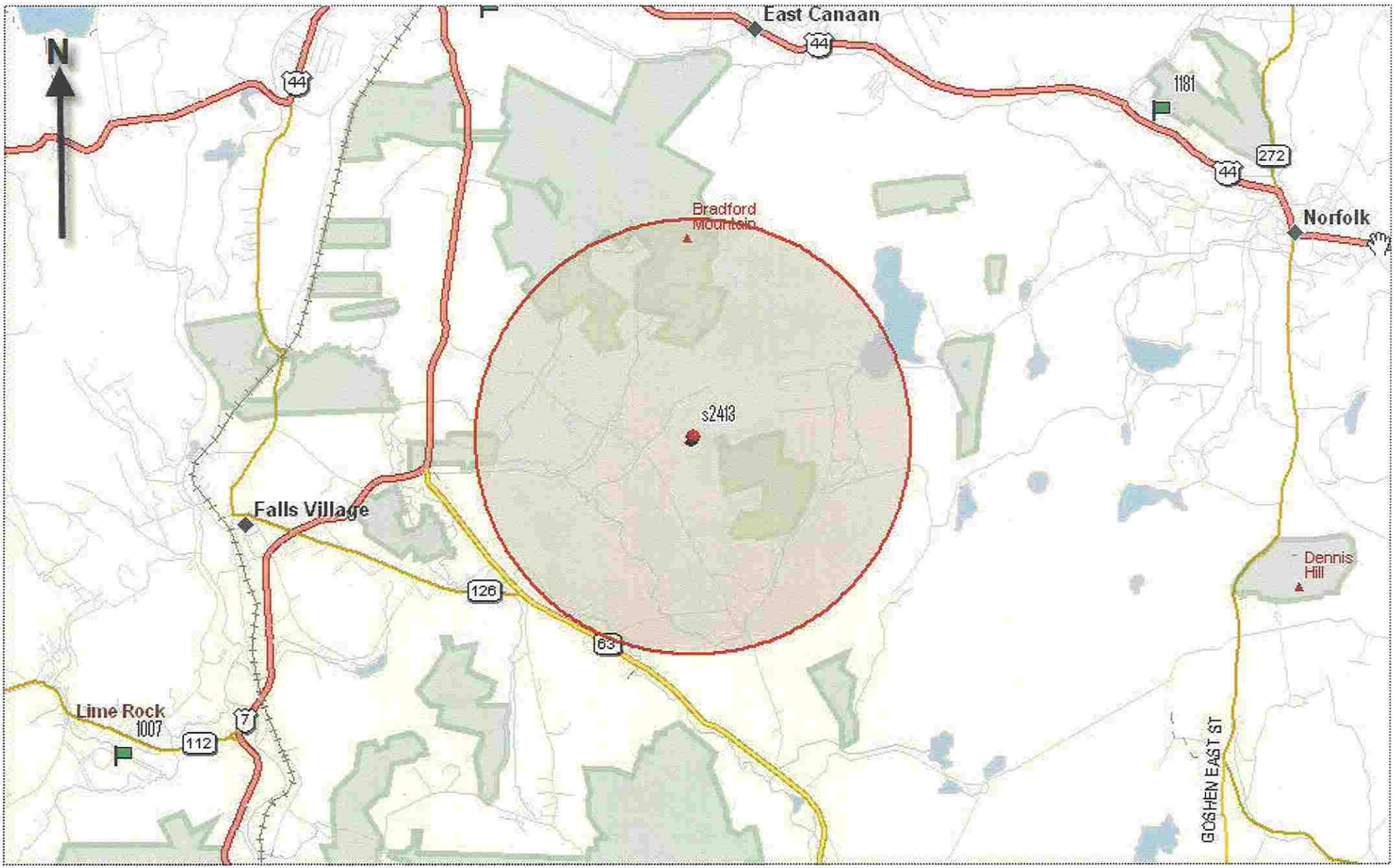
Existing water tanks rejected by AT&T's radio frequency engineers.

13. Address: 74 Sand Road
Map/Lot: 11/65
Deed: 67/358
Owner: Century Aggregates, Inc.
Zoning District: R80
Lot Size: Approximately 6.16 acres

Site suggested by the Town and rejected by AT&T's RF radio frequency engineers given its proximity to an existing site (Litchfield County Dispatch) and distance from the area where service is needed.




SNET (BM)-Canaan
Canaan
06068
06018
06024
Century Aggregate
Litchfield Cty Dispatch-N Canaan (#1134)
7
S Canaan Rd
44
State Police (denied)
Wireless Edge-Salisbury (#1251)
Under Mtn Rd (Pheasant Hollow Farm)
S 2413 - Falls Village
Stolark
06031
2413-8 Barnes (120)
Falls Village WTs
Nextel PM-Beebe Hill Rd
Image © 2010 DigitalGlobe
Unknown PM-Falls Village (str 2027)
© 2009 Google
© 2010 Google
41°59'27.44" N 73°20'01.39" W elev 666 ft
Imagery Date: Sep 30, 2006
Eye alt 43133 ft

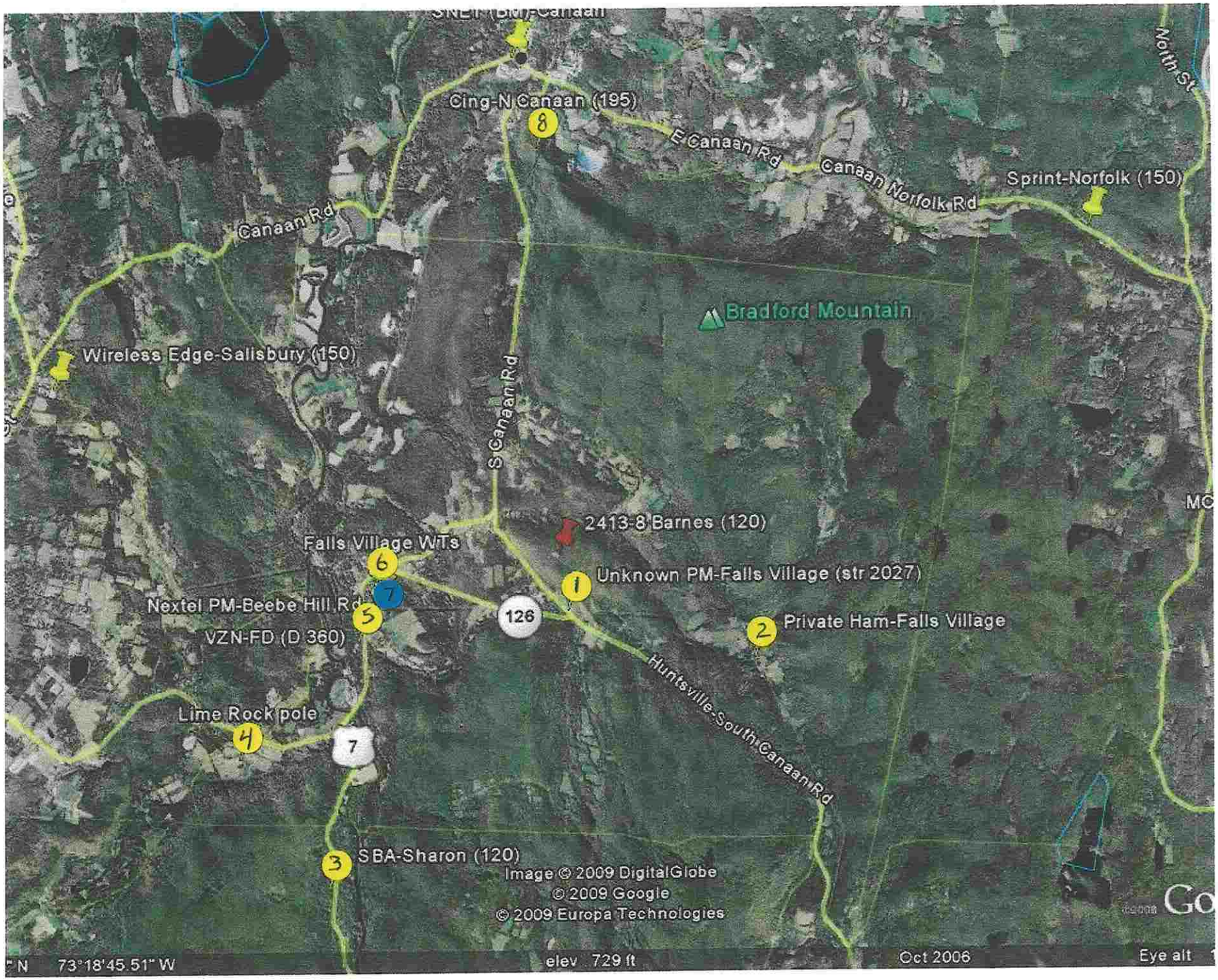


Search Ring Map - 2 mile radius

EXISTING TOWER/ CELL SITE LISTING

There are 3 communications facilities (two towers & a wood pole attachment), along with a recently-approved monopine (Verizon-Docket 360), an unknown power mount, a private lattice tower and two adjoining water tanks, as well as a Nextel power mount (which could not be verified) located within approximately four miles of the site search area for the proposed site in Falls Village. Each location is also shown on the following map, numbered in the order appearing on this list. None of the below existing facilities would provide adequate coverage to the target area. Indeed, most of the towers listed below are currently being used or proposed for use by AT&T to provide service outside of the area targeted for service by the proposed Falls Village Facility.

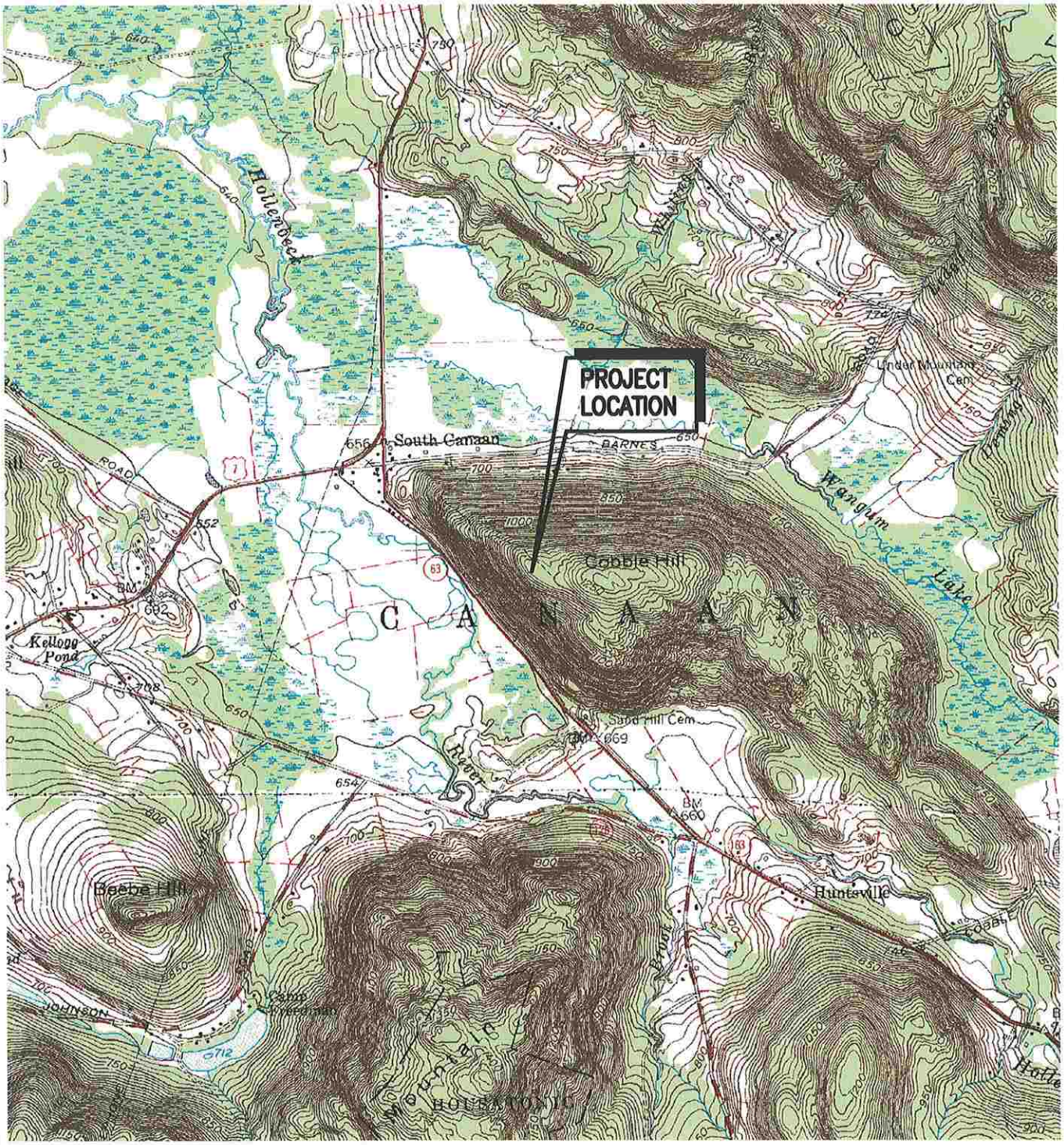
No.	OWNER/OPERATOR	TOWER/CELL SITE LOCATION	HEIGHT	SOURCE	COORDINATES
1.	Unknown power mount	Route 63, Falls Village	80' (approx.)	Visual	Lat 41-56-56 Long 73-19-14
2.	Unknown (private lattice)	392 Under Mountain Road, Falls Village	80' (approx.)	Visual	Lat 41-56-31 Long 73-17-06
3.	SBA	477 Route 7, Sharon	120'	AT&T Site #1180	Lat 41-54-33.7 Long 73-21-57.8
4.	Lime Rock Park	Lime Rock Road, Salisbury	40' wood pole	AT&T Site #1007	Lat 41-55-40 Long 73-23-00
5.	Verizon (Cellco)	188 Route 7 South, Falls Village (D 360)	150'	CSC Database	Lat 41-56-40.4 Long 73-21-37.73
6.	Town of Falls Village (water tanks)	Beebe Hill Road, Falls Village	40' – 45'	Visual	Lat 41-57-7 Long 73-21-26.8
7.	CL&P (Nextel powermount - unconfirmed)	145 Beebe Hill Road, Falls Village	104'	CSC Database	Lat 41-56-56.9 Long 73-21-25.7
8.	Litchfield County Dispatch	38 Lower Road, N. Canaan	195'	AT&T Site #1134	Lat 42-00-53 Long 73-19-35


Cing-N Canaan (195)
8
E Canaan Rd
Canaan Norfolk Rd
Sprint-Norfolk (150)
North St
Canaan Rd
Bradford Mountain
Wireless Edge-Salisbury (150)
S Canaan Rd
2413-8 Barnes (120)
Falls Village WTs
6
Unknown PM-Falls Village (str 2027)
1
7
Nextel PM-Beebe Hill Rd
5
126
VZN-FD (D 360)
2
Private Ham-Falls Village
Huntsville-South Canaan Rd
Lime Rock pole
4
7
3
SBA-Sharon (120)
Image © 2009 DigitalGlobe
© 2009 Google
© 2009 Europa Technologies
73°18'45.51" W
elev 729 ft
Oct 2006
Eye alt

General Facility Description

8 Barnes Road, Canaan, Connecticut
Owner: Estate of Dorothy A. Forino, Kathleen A. Christiano, Conservator
Tax ID (two parcels): 5/22 & 5/60
Approximately 74.46 Acres

The proposed facility consists of a 100' by 100' lease area located in the northwestern portion of an approximately 25 acre parcel owned by the Estate of Dorothy A. Forino. The adjacent parcel, approximately 50 acres in size, is also owned by the Estate of Dorothy A. Forino. A new self-supporting monopole tower 150' in height would be constructed. AT&T will install up to 12 panel antennas at the 147' centerline height on the tower together with an associated 12' x 20' radio equipment shelter at the tower base on a concrete pad within the tower compound. The tower compound would consist of a 40' by 90' area to accommodate AT&T's equipment and provide for future shared use of the facility by other carriers. An 8-foot high chain link fence would enclose the tower compound. Vehicle access to the facility would be provided over approximately 3,050' of an existing access drive and logging trail to be improved with gravel. The existing access drive and logging trail is provided via a perpetual easement right-of-way for all purposes for which a public highway may be used for the benefit of the subject site (Vol. 42 page 194 and Vol. 42 pages 196-198). Electric and telephone utilities would be extended underground from an existing off-site utility pole to the proposed facility along the access drive. Provisions include a 4' x 11' concrete pad for an emergency generator.



1 **1989 USGS TOPO MAP: SOUTH CANAAN 41073-H3**

SCALE: 1" = 2000'

0 1000 2000

SCALE IN FEET

TRUE NORTH

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SR2413
FALLS VILLAGE/CANAAN
8 BARNES ROAD
FALLS VILLAGE, CT 06031
LITCHFIELD COUNTY

CHA PROJ. NO. – 18301-1026-43000

SHEET TITLE:
USGS TOPO MAP

DATE:
08/02/10

REVISION:
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DATE: 8/2/2010 9:12 AM FILE: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\ZD\FALLS VILLAGE-5 USGS.DWG

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

TRUE NORTH

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CHA PROJ. NO. – 18301–1026–43000

SHEET TITLE:
AERIAL PHOTO

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08/02/10

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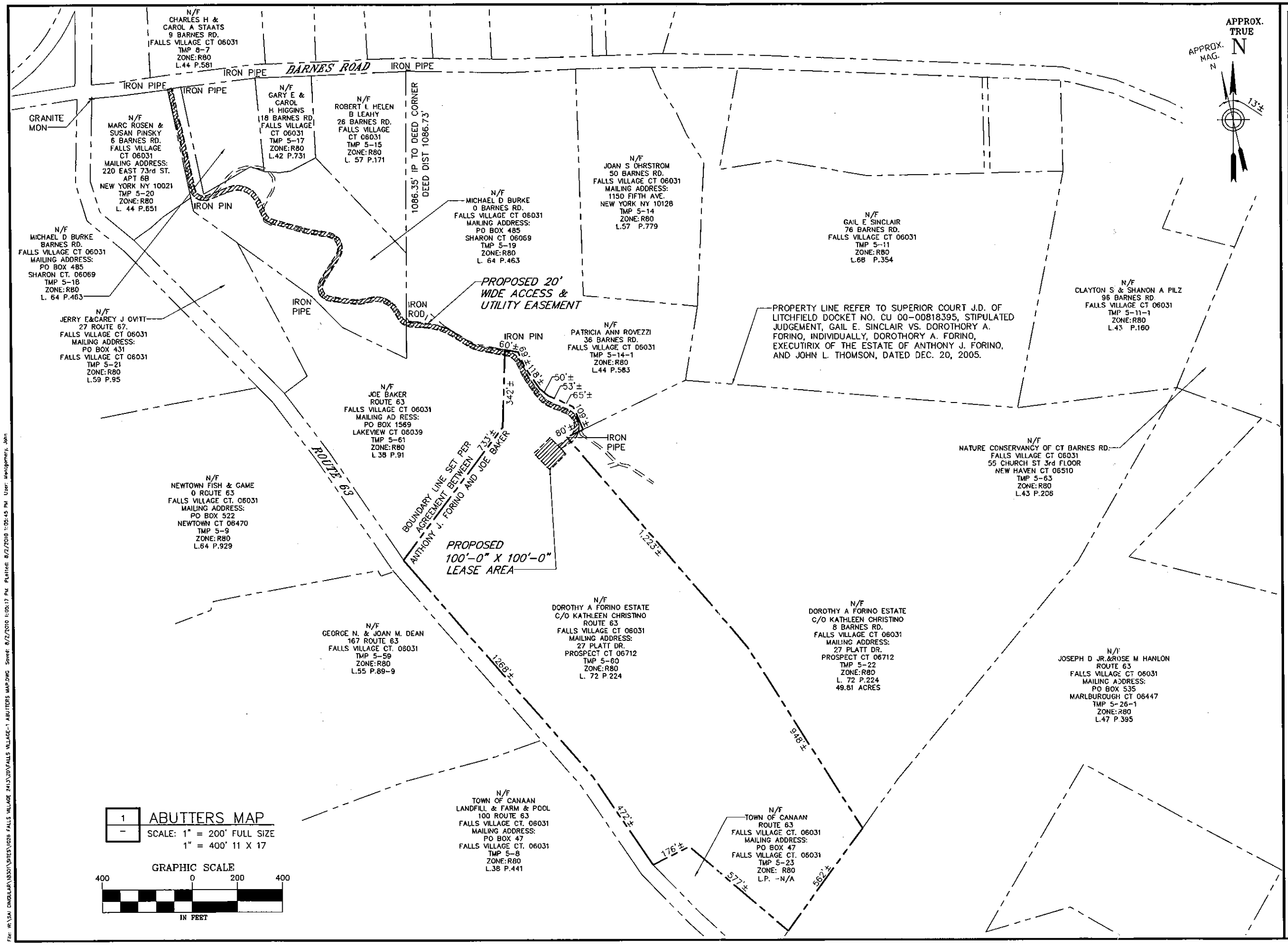
DATE: 8/2/2010 8:48 AM FILE: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\ZD\FALLS VILLAGE-6 AERIAL.DWG



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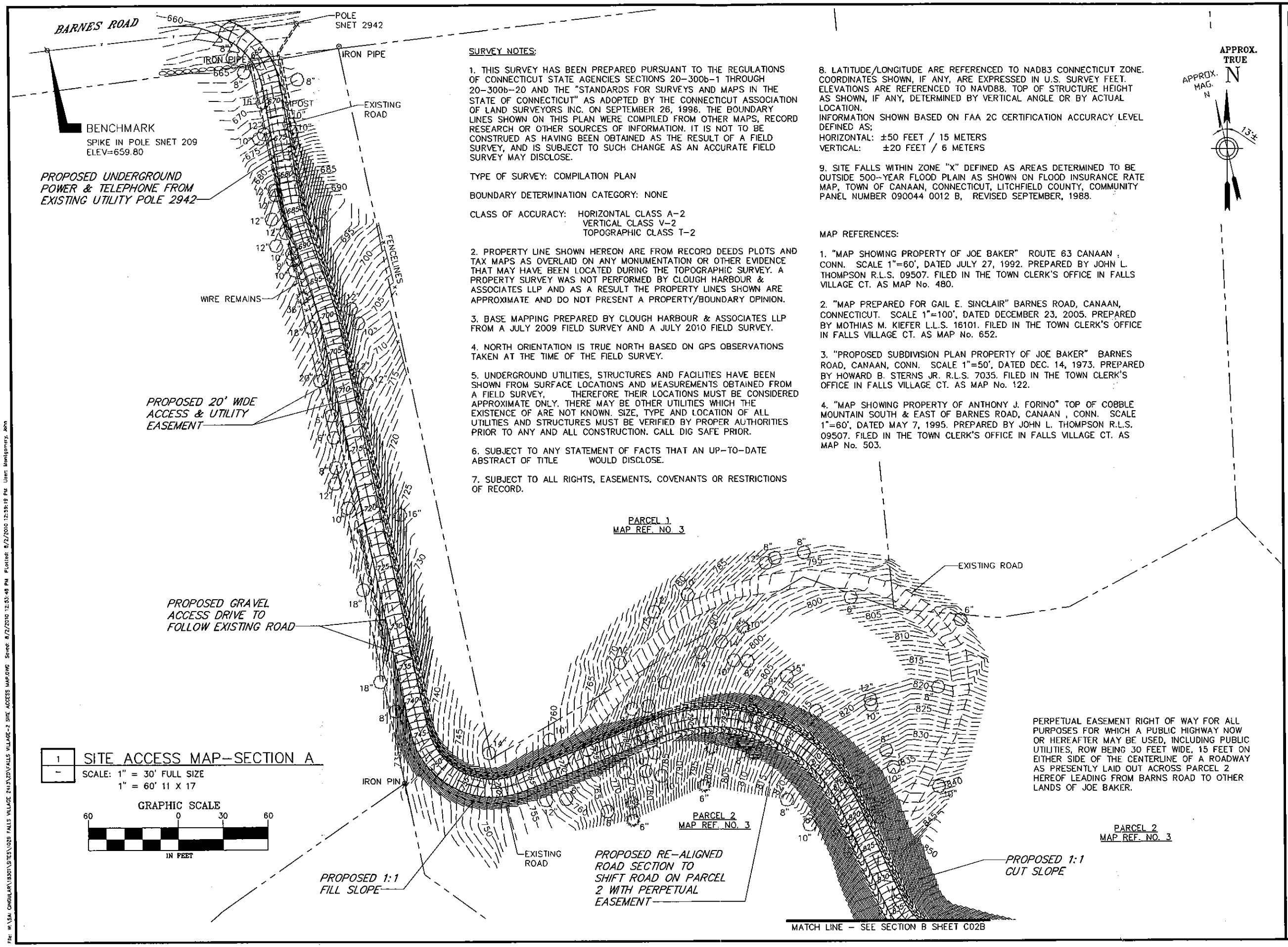
CHA PROJECT NO:
18301 - 1026 - 43000

NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
ABUTTERS MAP

SHEET NUMBER
C01



1 SITE ACCESS MAP-SECTION A

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

GRAPHIC SCALE
60 0 30 60
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 CLOUGH HARBOUR & ASSOCIATES LLP FROM A JULY 2009 FIELD SURVEY AND A JULY 2010 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 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 2C CERTIFICATION ACCURACY LEVEL DEFINED AS;
HORIZONTAL: ±50 FEET / 15 METERS
VERTICAL: ±20 FEET / 6 METERS

9. SITE FALLS WITHIN ZONE "X" DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500--YEAR FLOOD PLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF CANAAN, CONNECTICUT, LITCHFIELD COUNTY, COMMUNITY PANEL NUMBER 090044 0012 B, REVISED SEPTEMBER, 1988.

MAP REFERENCES:

1. "MAP SHOWING PROPERTY OF JOE BAKER" ROUTE 63 CANAAN , CONN. SCALE 1"=60', DATED JULY 27, 1992. PREPARED BY JOHN L. THOMPSON R.L.S. 09507. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 480.

2. "MAP PREPARED FOR GAIL E. SINCLAIR" BARNES ROAD, CANAAN, CONNECTICUT. SCALE 1"=100', DATED DECEMBER 23, 2005. PREPARED BY MOTHIAS M. KIEFER L.L.S. 16101. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 652.

3. "PROPOSED SUBDIVISION PLAN PROPERTY OF JOE BAKER" BARNES ROAD, CANAAN, CONN. SCALE 1"=50', DATED DEC. 14, 1973. PREPARED BY HOWARD B. STERNS JR. R.L.S. 7035. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 122.

4. "MAP SHOWING PROPERTY OF ANTHONY J. FORINO" TOP OF COBBLE MOUNTAIN SOUTH & EAST OF BARNES ROAD, CANAAN , CONN. SCALE 1"=60', DATED MAY 7, 1995. PREPARED BY JOHN L. THOMPSON R.L.S. 09507. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 503.

PERPETUAL EASEMENT RIGHT OF WAY FOR ALL PURPOSES FOR WHICH A PUBLIC HIGHWAY NOW OR HEREAFTER MAY BE USED, INCLUDING PUBLIC UTILITIES, ROW BEING 30 FEET WIDE, 15 FEET ON EITHER SIDE OF THE CENTERLINE OF A ROADWAY AS PRESENTLY LAID OUT ACROSS PARCEL 2 HEREOF LEADING FROM BARNS ROAD TO OTHER LANDS OF JOE BAKER.

APPROX. TRUE N
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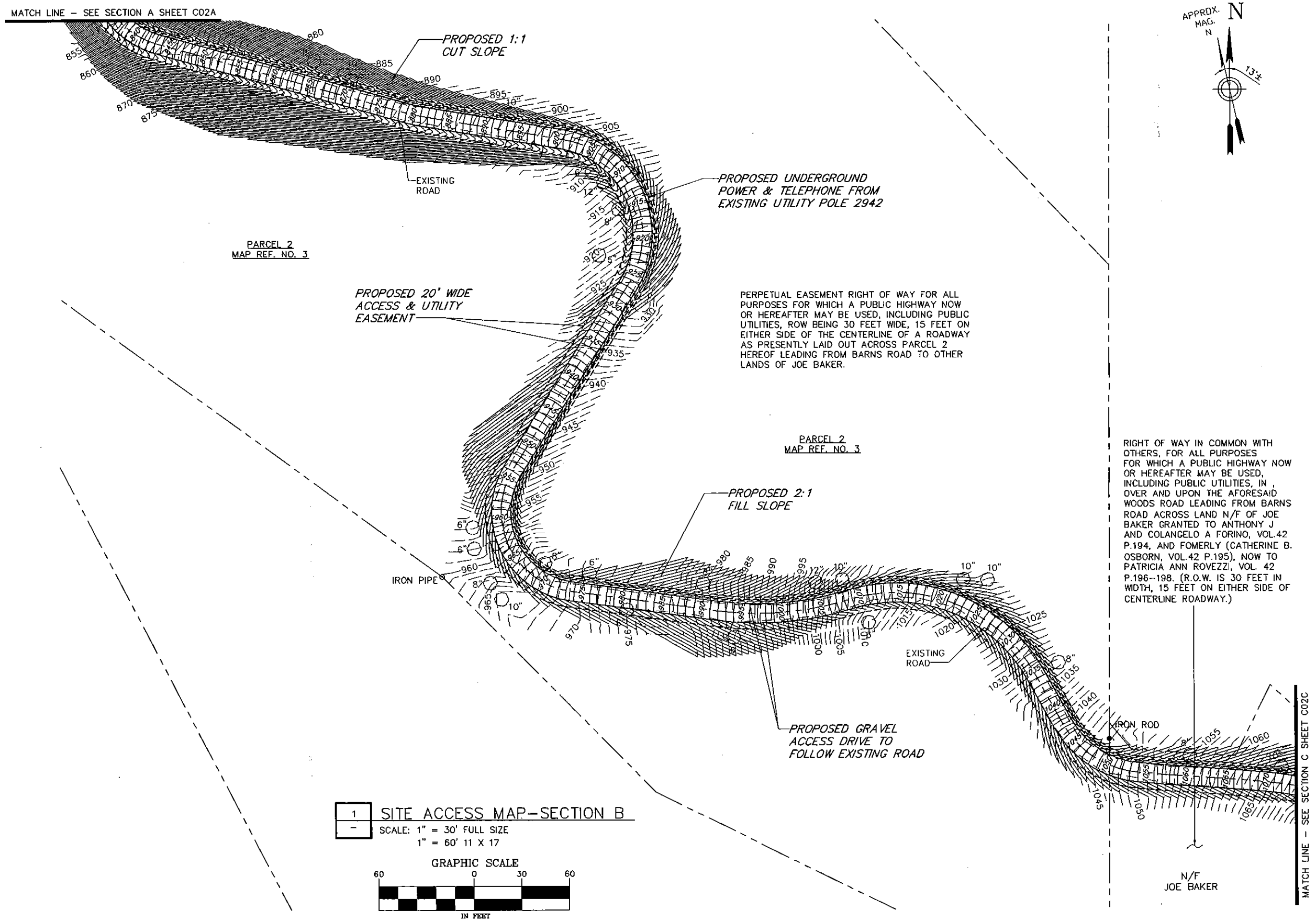
CHA PROJECT NO:
18301 - 1026 - 43000

NO.	SUBMITTAL		
D	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02A



1 – SITE ACCESS MAP–SECTION B

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

GRAPHIC SCALE
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IN FEET

File: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\2D\FALLS VILLAGE-2 SITE ACCESS MAP.DWG Saved: 8/2/2010 12:53:45 PM Plotted: 8/2/2010 12:59:29 PM User: Montgomery, John

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CHA PROJECT NO:
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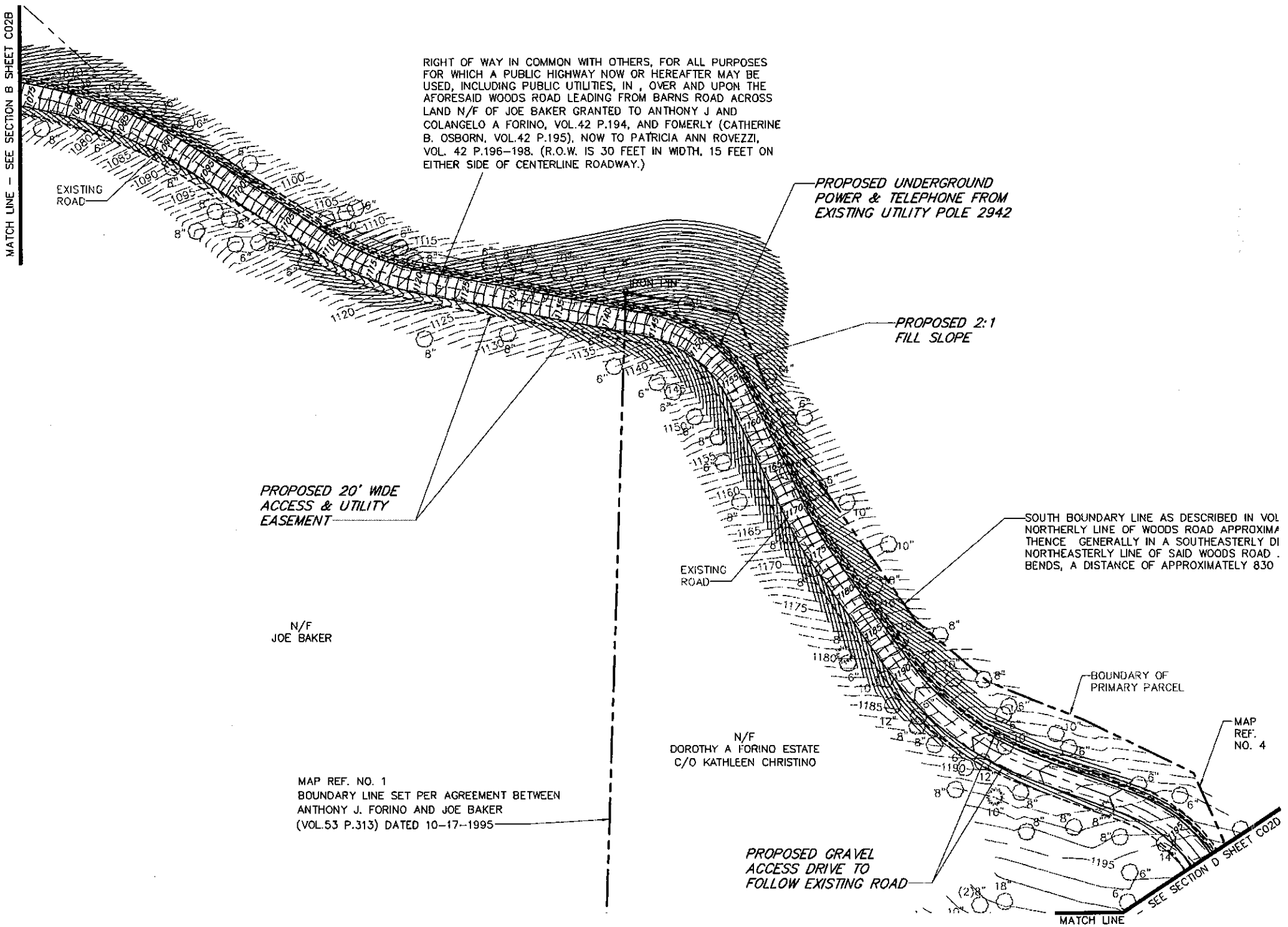
NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02B



1 — SITE ACCESS MAP–SECTION C

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

GRAPHIC SCALE

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IN FEET

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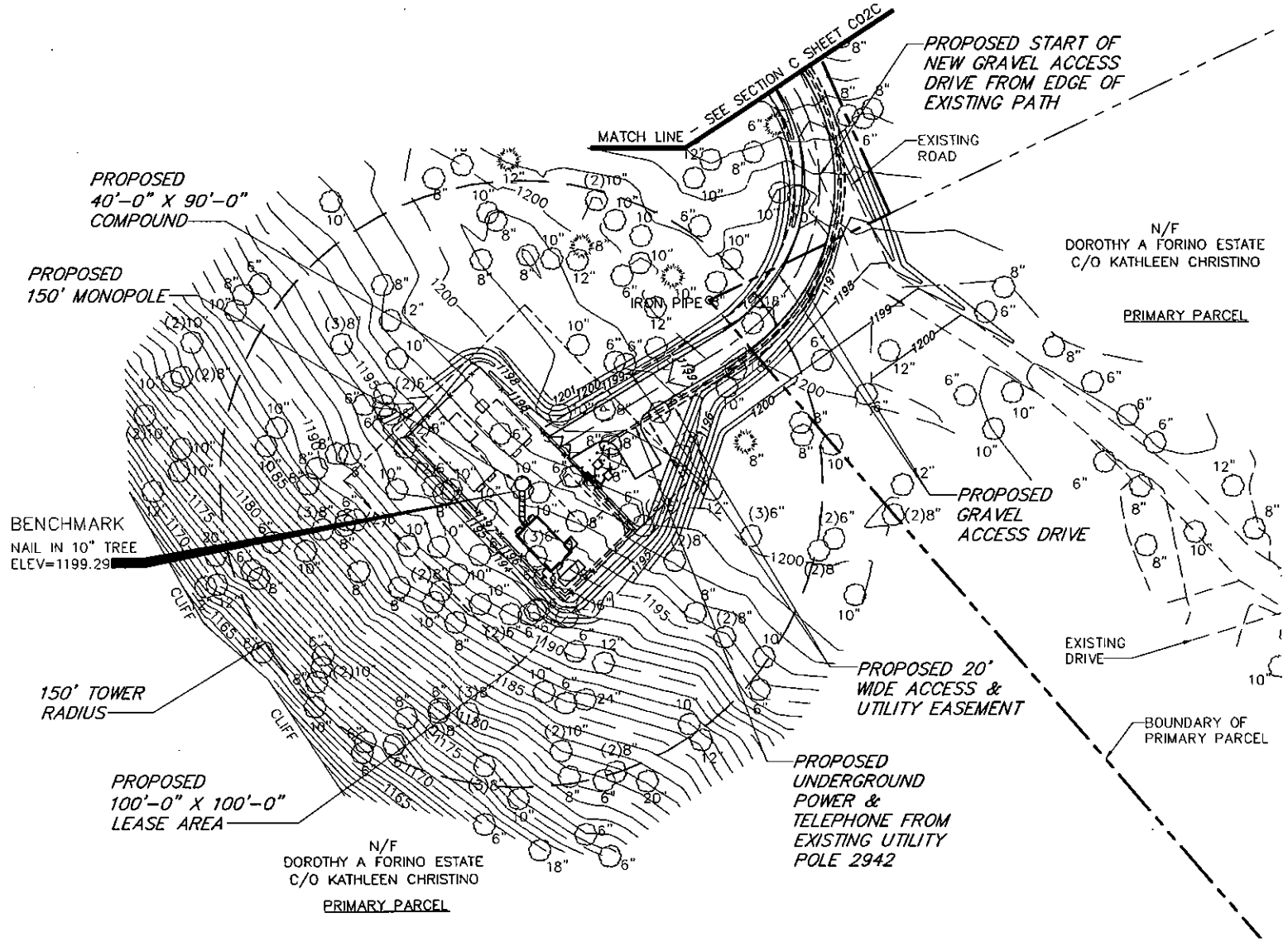
NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02C



1 — SITE ACCESS MAP–SECTION D

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

GRAPHIC SCALE
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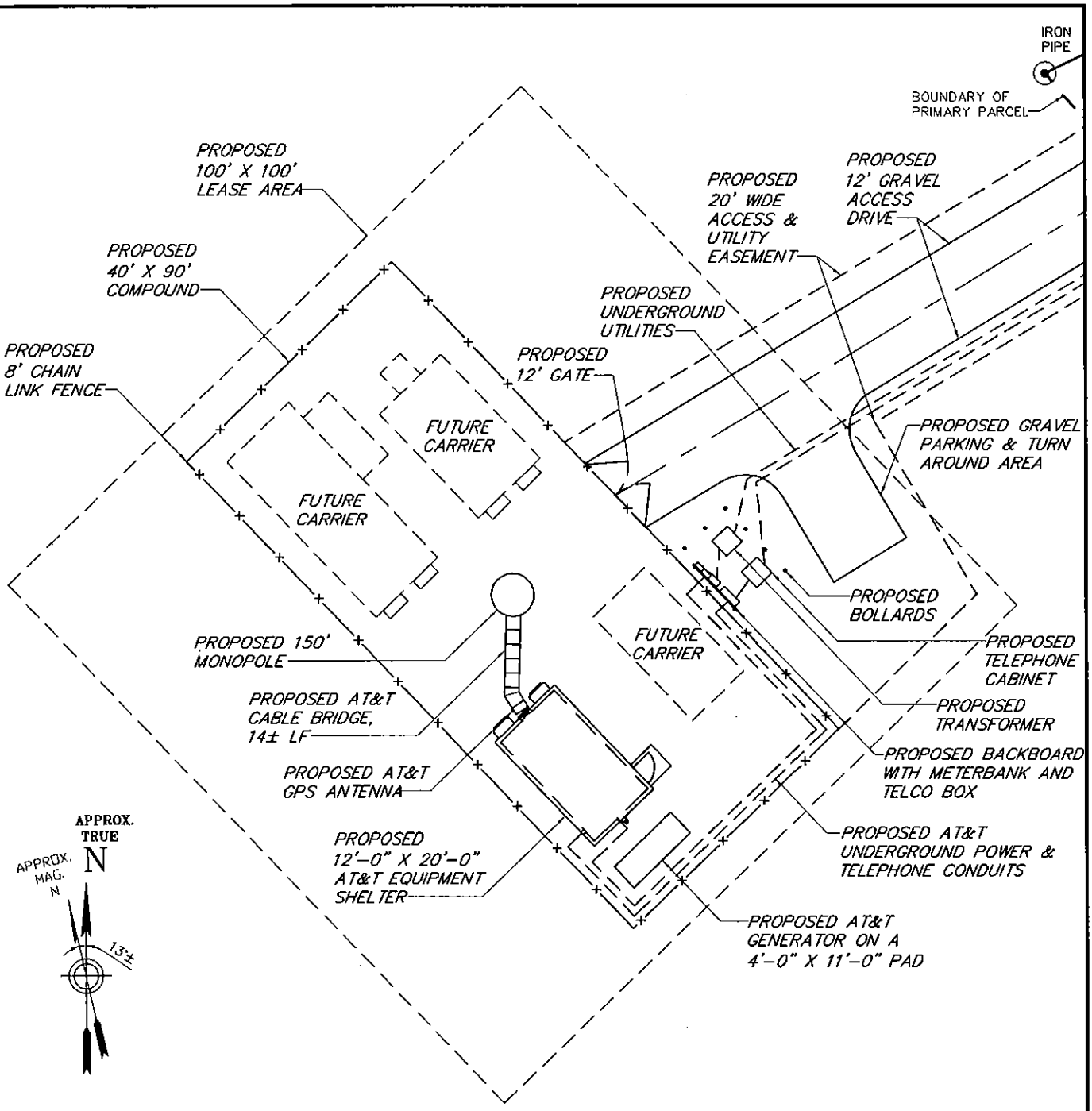
NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02D



1 — COMPOUND PLAN
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 10 20
IN FEET

BASEMAP NOTES:

1. BASEMAP INFORMATION OBTAINED FROM SURVEYS PERFORMED BY CLOUGH HARBOUR & ASSOCIATES LLP IN JULY 2009 AND JULY 2010.

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SR2413
FALLS VILLAGE/CANAAN
8 BARNES ROAD
FALLS VILLAGE, CT 06031
LITCHFIELD COUNTY

CHA PROJ. NO. – 18301–1026–43000

SHEET TITLE: COMPOUND PLAN

DATE: 08/02/10

REVISION: 0

DATE: 8/2/2010 12:55 PM FILE: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\Z0\FALLS VILLAGE-3 COMPOUND PLAN.DWG

Site Evaluation Report

I. LOCATION

A. COORDINATES: 41° 57' 26.6" N 73° 19' 36.7" W

B. GROUND ELEVATION: 1198' AMSL

C. USGS MAP: South Canaan

D. SITE ADDRESS: 8 Barnes Road, Canaan, Connecticut

E. ZONING WITHIN 1/4 MILE OF SITE: Residential, Open Space

II. DESCRIPTION

A. SITE SIZE: 100' by 100' lease area, 40' by 90' compound

B. LESSOR'S PARCELS: ± 74 acres [24.65 acres (5/60) & 49.81 acres (5/22)]

C. TOWER TYPE/HEIGHT: Monopole / 150' AGL.

D. SITE TOPOGRAPHY AND SURFACE: The proposed site is located to the east of a crest of a hill in a wooded area defined by 3-15% slopes and some rock outcroppings.

E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The surrounding terrain ranges in elevation from 640' AMSL to 1710' AMSL. The majority of the surrounding area is covered with vegetation. A review of available information regarding the site through Federal, State and local databases as well as an on site investigation indicates that there are no wetlands on the site and that site is not located within a 100-year or 500-year flood zone. The nearest water body is the Hollenbeck River which is offsite and approximately 1,750' west of the project area.

F. LAND USE WITHIN 1/4 MILE OF SITE: Land uses within ¼ mile of the site are primarily public utility, railroad & residential uses.

III. FACILITIES

A. POWER COMPANY: Connecticut Light and Power

B. POWER PROXIMITY TO SITE: Facilities available from an off-site utility pole.

C. TELEPHONE COMPANY: AT&T

D. PHONE SERVICE PROXIMITY: Same as power.

E. VEHICLE ACCESS TO SITE: Access to the facility would be provided over an existing access drive/logging trail, to be improved as a gravel access drive, approximately 3,050' to the site.

F. OBSTRUCTIONS: None

G. CLEARING AND FILL REQUIRED: The compound will require clearing and grading to level the area. Some filling may be required. Approximately 127 trees with 6" DBH or greater would be removed for the access drive and equipment compound. Detailed plans would be included in a Development and Management Plan ("D&M" plan) after any approval of the facility which may be issued by the Connecticut Siting Council.

IV. LEGAL

A. PURCHASE [ ] LEASE [X]

B. OWNER: Estate of Dorothy A. Forino

C. ADDRESS: 8 Barnes Road, Canaan, Connecticut

Facilities and Equipment Specification

I. TOWER SPECIFICATIONS:

A. MANUFACTURER: To be determined

B. TYPE: Self-Supporting monopole

C. HEIGHT: 150'
DIMENSIONS: Approximately 4½' in diameter at the base, tapering to approximately 2' at the top.

D. LIGHTING: None as set forth in attached TOWAIR report

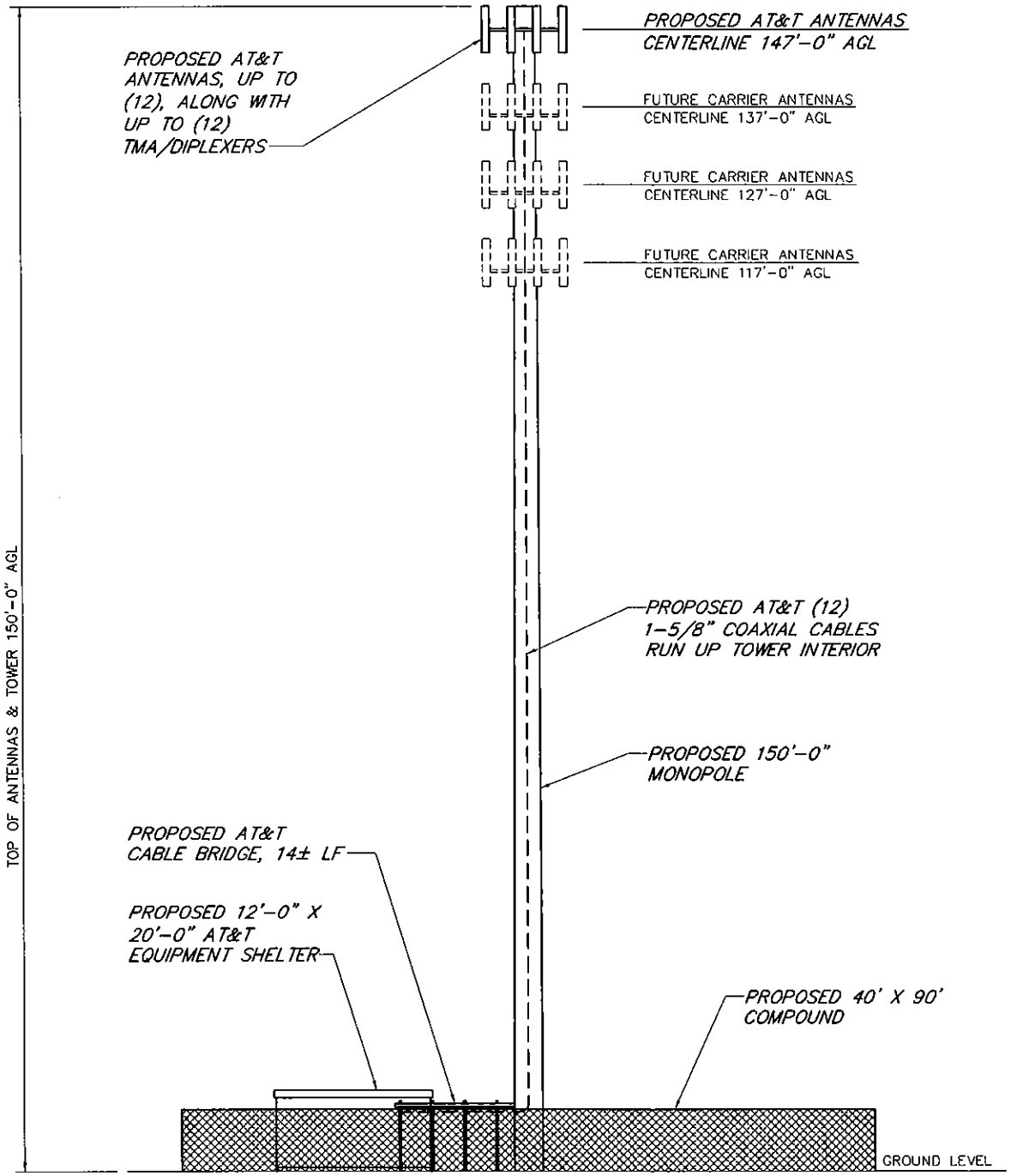
II. TOWER LOADING:

A. AT&T – up to 12 panel Antennas
   a. Model – Powerwave P65-15-XLH-RR or P90-14-XLH-RR or equivalent panel antenna
   b. Antenna Dimensions – 51"H x 12"W x 6"D / 48"H x 12"W x 6"D
   c. Position on Tower – 187' centerline mounted on low profile platform
   d. Transmission Lines – MFG: Commscope; Size 1-5/8"

B. Future Carriers – To be determined

III. ENGINEERING ANALYSIS AND CERTIFICATION:

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



1 — TOWER ELEVATION
SCALE: 1" = 20'

GRAPHIC SCALE
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IN FEET

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SR2413
FALLS VILLAGE/CANAAN
8 BARNES ROAD
FALLS VILLAGE, CT 06031
LITCHFIELD COUNTY

CHA PROJ. NO. - 18301-1026-43000

SHEET TITLE:
TOWER ELEVATION

DATE:
08/02/10

REVISION:
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CHA

FAA 1-A SURVEY CERTIFICATION

Site Name:	Falls Village / Canaan		
Site Number:	SR2413		
Site Address:	8 Barnes Road Falls Village, CT 06031		
Horizontal Datum:	NAD 83	X GPS survey	☐ Ground survey
Vertical Datum:	NAVD 1988 (AMSL)	X GPS survey	☐ Ground survey
Structure Type:	X Proposed Tower	☐ Existing Tower	☐ Roof Top
	☐ Water Tank	☐ Smoke Stack	☐ Other:
Latitude:	41°-57'-26.6" N		
Longitude:	73°-19'-36.7" W		
Average Ground Elevation:	1198' AMSL Elevation (in feet)		
Proposed Tower Height:	150' (AGL)		

Certification: I certify that the latitude of 41°-57'-26.6"N and the longitude of 73°-19'-36.7"W are accurate to within +/- 20 feet horizontally, and that the site elevation of 1198' AMSL is accurate to within +/- 3 feet vertically. The horizontal datum (coordinated) are in terms of the North American Datum of 1983 (NAD 83) and are expressed in degrees, minutes and seconds, to the nearest tenth of a second. The vertical datum is in terms of the North American Vertical Datum of 1988 (NAVD 88) and is determined to the nearest foot.

Company: CHA
Project number 18301-1026

Surveyor Signature/Seal: William S. Lucarelli
CT L.S. 16529

STATE OF CONNECTICUT
WILLIAM S. LUCARELLI
No. 16529
LICENSED LAND SURVEYOR

Date: 7/27/10

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	41-57-26.6 north
Longitude	073-19-36.7 west
Measurements (Meters)	
Overall Structure Height (AGL)	45.7
Support Structure Height (AGL)	45.7
Site Elevation (AMSL)	365.2

Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

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

CLOSE WINDOW

Environmental Assessment Statement

I. PHYSICAL IMPACT

A. WATER FLOW AND QUALITY

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

B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the proposed facility would emit no air pollutants of any kind.

C. LAND

Some clearing and grading will be necessary in the compound area and access drive and best management practices will be implemented for any steep slopes. Approximately 127 trees with 6" DBH or greater would be removed for the access drive and equipment compound. The remaining land of the lessor would remain unchanged by the construction and operation of the facility.

D. NOISE

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

E. POWER DENSITY

The cumulative worst-case calculation of power density from AT&T's operations at the facility would be 5.95% of the MPE standard. Attached is a copy of AT&T's Power Density Report.

F. VISIBILITY

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

the report and photosimulations, 513 acres (approximately 6.4%) of the 8,042-acre study area (a two-mile radius of the proposed facility) would have distant year-round views of the proposed tower above the existing tree canopy. The proposed monopole will be seen from Canaan Mountain and Robbins Swamp, however as demonstrated in the photosimulations, these potential views will be distant and limited. The proposed facility will not be visible from the South Canaan Meeting House or Music Mountain. Overall, the existing intervening topography and vegetation serve to obstruct close-up views of the Facility and limit visibility of the proposed tower to distant views.

II. SCENIC, NATURAL, HISTORIC & RECREATIONAL VALUES

The parcel on which the facility is located exhibits no unique scenic, natural, historic or recreational characteristics. The Connecticut State Historic Preservation Officer ("SHPO") has determined that the proposed project will have no effect on historic, architectural or archeological resources. After review of a preliminary habitat evaluation, the Connecticut Department of Environmental Protection determined that there are no known extant populations of Federal or State endangered, threatened or special concern species occurring at the site.

Site Number: SR2413
Site Name: Falls Village / Canaan
Site Address: 8 Barnes Road, Falls Village, CT 06031

Access distances:

Distance of access over new gravel driveway: 3,050'
Total distance of site access: 3,050'

Distance to Nearest Wetlands:

No wetlands found on property.

Distance to Property Lines:

231' to the northern property boundary
799' to the southern property boundary
236' to the western property boundary
104' to the eastern property boundary

Residence Information:

There are 0 residences within 1,000' feet of the tower. The closest residence is 1,420' to the north and is owned by Patricia Ann Rovezzi and is located at 36 Barnes 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 Salisbury. The town boundary is 11,400' to the west.

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T 860.257.4557 • F 860.257.7514 • www.cloughharbour.com

August 2, 2010

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

RE: Tree Inventory
Site: Falls Village / Canaan
8 Barnes Road
Falls Village, CT 06031
CHA # 18301-1026-43000

A site survey was completed at the subject site in July of 2009 and July of 2010. A requirement of the survey involved determining the location of all trees within the topographic survey area with a diameter at breast height of 6" or larger. As can be seen on the site access map, there are one-hundred twenty-seven (127) 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 table below:

Tree Diameter	Number of Trees to be Removed
6"	45
8"	31
10"	27
12"	13
14"	2
15"	2
16"	2
18"	4
36"	1
TOTAL	**127**

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\1026 Falls Village 2413\ZD\FALLS VILLAGE-10 TREE INVENTORY.doc

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

C Squared Systems, LLC

August 23, 2010

Connecticut Siting Council

Subject: New Cingular Wireless, Canaan, 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 8 Barnes Road, Canaan, 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	147	880	1	500	0.0090	0.5867	1.54%
	AT&T UMTS	147	1900	1	500	0.0090	1.0000	0.90%
	AT&T GSM	147	880	3	296	0.0161	0.5867	2.74%
	AT&T GSM	147	1900	1	427	0.0077	1.0000	0.77%
							Total	**5.95%**

Summary: Under worst-case assumptions, the RF Power Density at the proposed site located at 8 Barnes Road, Canaan, CT will not exceed 5.95% of the FCC MPE limit for General Public/Uncontrolled Environments.

Sincerely,

anthony wells

Anthony Wells
Managing Partner

Transportation
Land Development
Environmental
Services

imagination | innovation | energy Creating results for our clients and benefits for our communities

August 25, 2010

Vanasse Hangen Brustlin, Inc.

Ref: 41502.06

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

Re: Wetland Inspection
Proposed AT&T Cingular Wireless Telecommunications Facility
8 Barnes Road
Canaan, Connecticut

Dear Mr. Vivian:

Vanasse Hangen Brustlin, Inc. (VHB) has completed on-site investigations to determine if wetlands and/or watercourses are located on the above-referenced Site. VHB has relied upon the accuracy of information provided by CHA (refer to attached Abutters Map) regarding the proposed lease area, access road, and utility easement locations for identifying wetlands and watercourses within and proximate to said locations.

VHB understands that AT&T proposes to construct a wireless telecommunications facility along the southwest side of Cobble Hill in Canaan, Connecticut (the "Site"). A proposed 12-foot wide gravel access drive will extend in a southeasterly direction off of Barnes Road generally along an existing gravel drive that currently provides access to a hunting cabin. The subject property is dominated by undeveloped upland forest. No wetlands or watercourses were identified (or delineated) on the Site or within 200 feet of proposed development activities during a July 1, 2010 field investigation. The nearest wetland/watercourse is located on an adjoining property across Barnes Road to the north approximately 200 feet from the proposed access drive entrance onto Barnes Road. Soils classified in the vicinity of the proposed development are generally consistent with published data (attached) as confirmed during the field investigation consisting of Hollis-Chatfield-Rock outcrop complex (soil symbol – 75). Hollis and Chatfield soils consist respectively of somewhat excessively drained, shallow (10 to 20 inches to bedrock) and well drained, moderately shallow (20 to 40 inches to bedrock) glacial till soils derived from gneiss, granite and schist.. Therefore, the proposed development will not directly or indirectly affect wetlands or watercourses.

If you have any questions concerning this matter do not hesitate to call me.

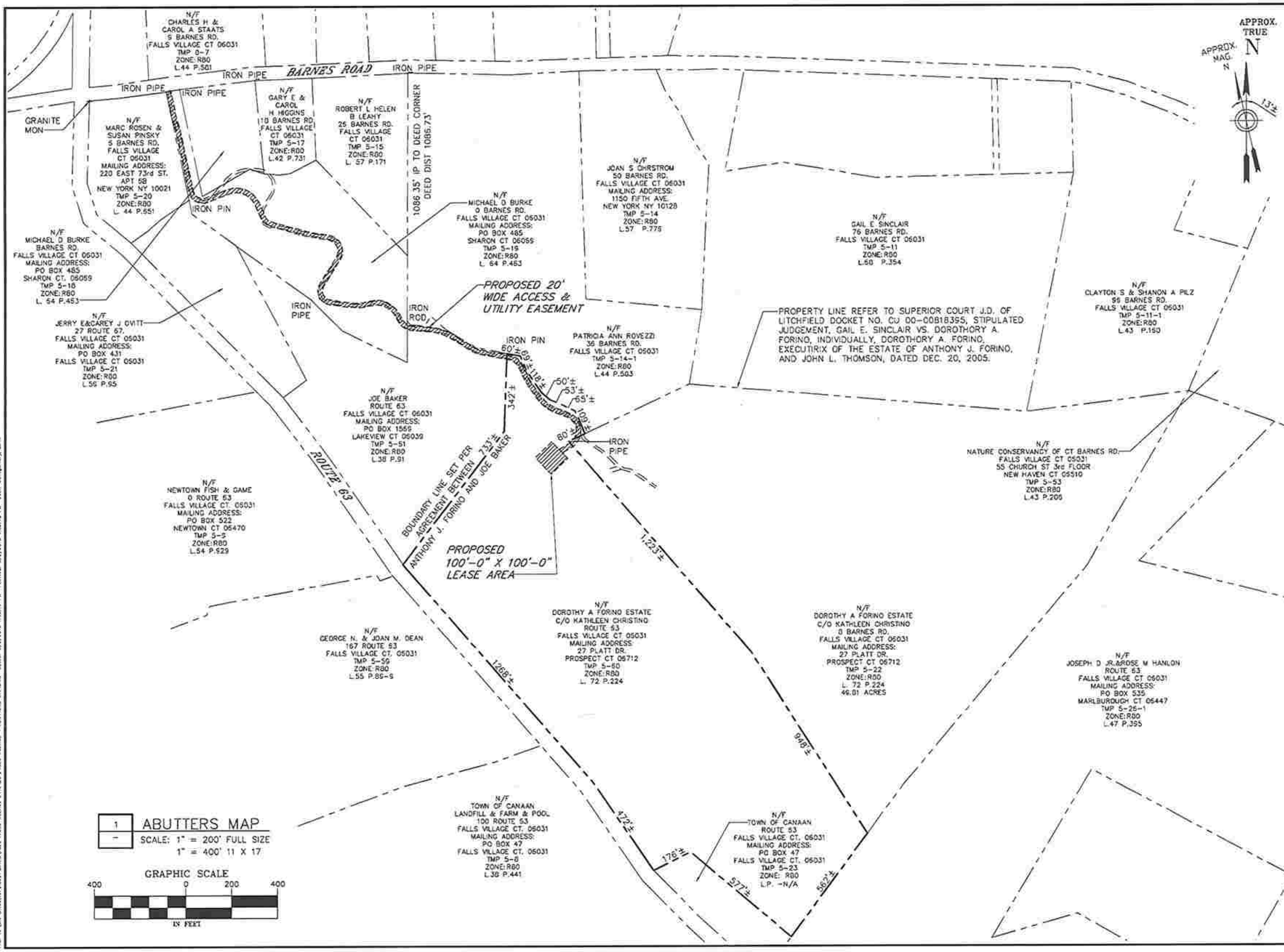
Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

Dean Gustafson
Professional Soil Scientist

Enclosures

54 Tuttle Place
Middletown, Connecticut 06457-1847
860.632.1500 ▪ FAX 860.632.7879
email: info@vhb.com
www.vhb.com



APPROX. TRUE N
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13°±
BARNES ROAD
ROUTE 63
IRON PIPE
IRON PIN
IRON ROD
GRANITE MON
N/F CHARLES H & CAROL A STAATS 5 BARNES RD. FALLS VILLAGE CT 06031 TMP 0-7 ZONE:R80 L.44 P.501
N/F MARC ROSEN & SUSAN PINSKY 5 BARNES RD. FALLS VILLAGE CT 06031 MAILING ADDRESS: 220 EAST 73rd ST. APT 5B NEW YORK NY 10021 TMP 5-20 ZONE:R80 L. 44 P.651
N/F GARY E & CAROL H HIGGINS 10 BARNES RD. FALLS VILLAGE CT 06031 TMP 5-17 ZONE:R80 L.42 P.731
N/F ROBERT L HELEN B LEAHY 25 BARNES RD. FALLS VILLAGE CT 06031 TMP 5-15 ZONE:R80 L. 57 P.171
1086.35' IP TO DEED CORNER DEED DIST 1086.73'
N/F MICHAEL D BURKE 0 BARNES RD. FALLS VILLAGE CT 06031 MAILING ADDRESS: PO BOX 485 SHARON CT 06059 TMP 5-19 ZONE:R80 L. 64 P.453
N/F JOAN S CHRSTROM 50 BARNES RD. FALLS VILLAGE CT 06031 MAILING ADDRESS: 1150 FIFTH AVE. NEW YORK NY 10128 TMP 5-14 ZONE:R80 L.57 P.775
N/F GAIL E SINCLAIR 76 BARNES RD. FALLS VILLAGE CT 06031 TMP 5-11 ZONE:R80 L.50 P.354
N/F CLAYTON S & SHANON A PILZ 96 BARNES RD. FALLS VILLAGE CT 06031 TMP 5-11-1 ZONE:R80 L.43 P.150
N/F MICHAEL D BURKE BARNES RD. FALLS VILLAGE CT 06031 MAILING ADDRESS: PO BOX 485 SHARON CT. 06059 TMP 5-18 ZONE:R80 L. 54 P.453
N/F JERRY E&CAREY J OVITT 27 ROUTE 67 FALLS VILLAGE CT 06031 MAILING ADDRESS: PO BOX 431 FALLS VILLAGE CT 06031 TMP 5-21 ZONE:R80 L.56 P.95
PROPOSED 20' WIDE ACCESS & UTILITY EASEMENT
PROPERTY LINE REFER TO SUPERIOR COURT J.D. OF LITCHFIELD DOCKET NO. CU 00-00818395, STIPULATED JUDGEMENT, GAIL E. SINCLAIR VS. DOROTHORY A. FORINO, INDIVIDUALLY, DOROTHORY A. FORINO, EXECUTRIX OF THE ESTATE OF ANTHONY J. FORINO, AND JOHN L. THOMSON, DATED DEC. 20, 2005.
N/F PATRICIA ANN ROVEZZI 36 BARNES RD. FALLS VILLAGE CT 06031 TMP 5-14-1 ZONE:R80 L.44 P.503
60'± 69'± 118'± 50'± 53'± 65'± 100'± 80'±
342'±
N/F JOE BAKER ROUTE 63 FALLS VILLAGE CT 06031 MAILING ADDRESS: PO BOX 1559 LAKEVIEW CT 06039 TMP 5-51 ZONE:R80 L.38 P.91
BOUNDARY LINE SET PER AGREEMENT BETWEEN 733'± ANTHONY J. FORINO AND JOE BAKER
PROPOSED 100'-0" X 100'-0" LEASE AREA
N/F NATURE CONSERVANCY OF CT BARNES RD. FALLS VILLAGE CT 06031 55 CHURCH ST 3rd FLOOR NEW HAVEN CT 06510 TMP 5-53 ZONE:R80 L.43 P.205
N/F NEWTOWN FISH & GAME 0 ROUTE 63 FALLS VILLAGE CT. 06031 MAILING ADDRESS: PO BOX 522 NEWTOWN CT 06470 TMP 5-5 ZONE:R80 L.54 P.529
1,223'±
N/F DOROTHY A FORINO ESTATE C/O KATHLEEN CHRISTINO ROUTE 63 FALLS VILLAGE CT 06031 MAILING ADDRESS: 27 PLATT DR. PROSPECT CT 06712 TMP 5-60 ZONE:R80 L. 72 P.224
N/F DOROTHY A FORINO ESTATE C/O KATHLEEN CHRISTINO 8 BARNES RD. FALLS VILLAGE CT 06031 MAILING ADDRESS: 27 PLATT DR. PROSPECT CT 06712 TMP 5-22 ZONE:R80 L. 72 P.224 49.01 ACRES
N/F GEORGE N. & JOAN M. DEAN 167 ROUTE 63 FALLS VILLAGE CT. 06031 TMP 5-59 ZONE:R80 L.55 P.85-S
1268'±
N/F JOSEPH D JR.&ROSE M HANLON ROUTE 63 FALLS VILLAGE CT 06031 MAILING ADDRESS: PO BOX 535 MARLBUROUGH CT 06447 TMP 5-26-1 ZONE:R80 L.47 P.395
948'±
N/F TOWN OF CANAAN LANDFILL & FARM & POOL 100 ROUTE 63 FALLS VILLAGE CT. 06031 MAILING ADDRESS: PO BOX 47 FALLS VILLAGE CT. 06031 TMP 5-8 ZONE:R80 L.38 P.441
472'± 176'± 577'± 562'±
N/F TOWN OF CANAAN ROUTE 63 FALLS VILLAGE CT. 06031 MAILING ADDRESS: PO BOX 47 FALLS VILLAGE CT. 06031 TMP 5-23 ZONE: R80 L.P. -N/A
1 ABUTTERS MAP
SCALE: 1" = 200' FULL SIZE
1" = 400' 11 X 17
GRAPHIC SCALE
400 0 200 400
IN FEET

at&t Your world. Delivered.

NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06057

CHA

CHA PROJECT NO: 10301 - 1025 - 43000

NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

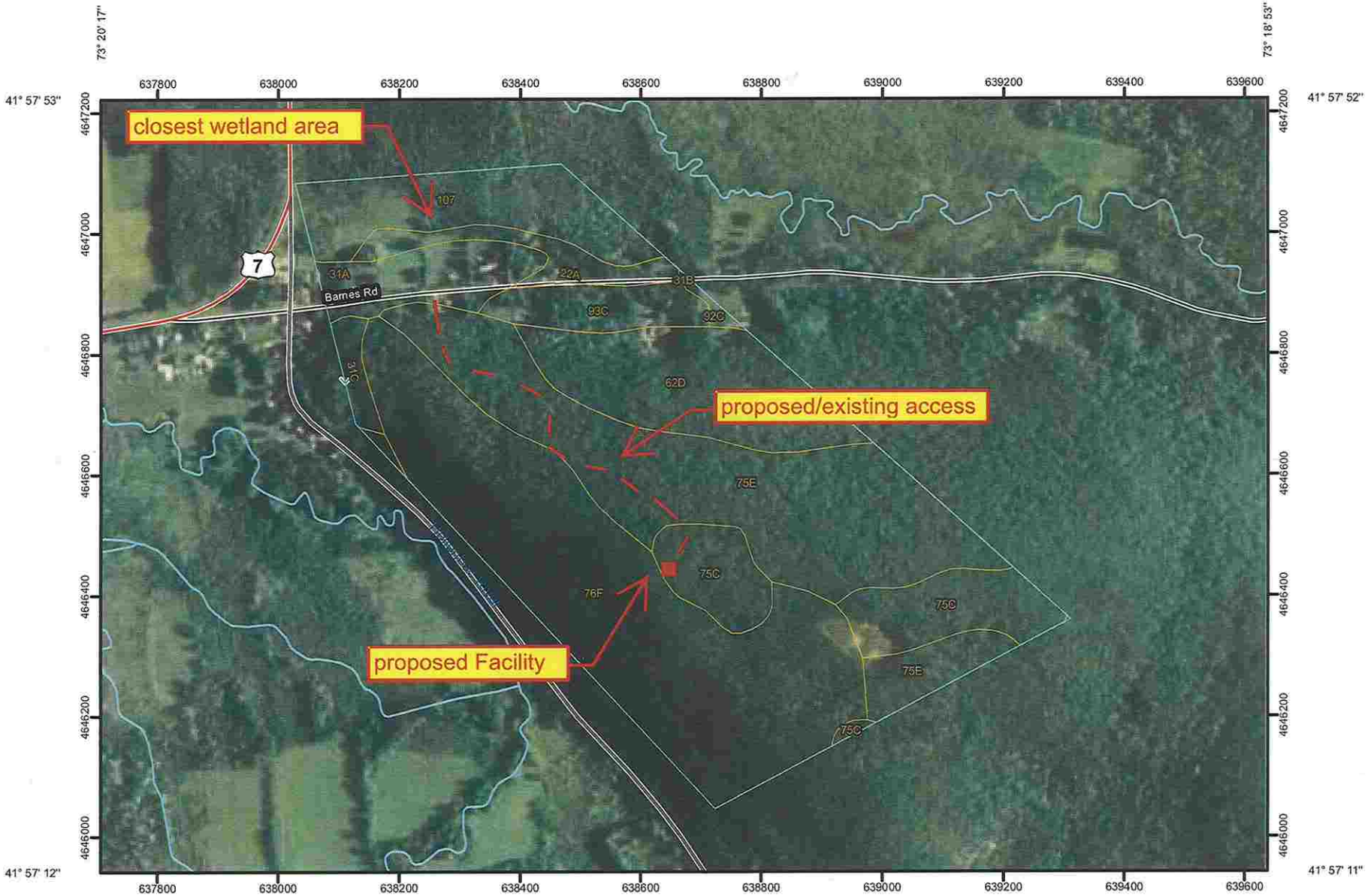
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE ID: SR2413
SITE NAME: FALLS VILLAGE/CANAAN
SITE ADDRESS: 8 BARNES ROAD FALLS VILLAGE, CT 06031 LITCHFIELD COUNTY

SHEET TITLE: ABUTTERS MAP

SHEET NUMBER: C01

Soil Map—State of Connecticut
(AT&T Falls Village, 8 Barnes Road, Canaan, CT)



Map Scale: 1:9,170 if printed on A size (8.5" x 11") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 500 1,000 2,000 3,000

USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

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

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features
- Cities

Water Features
- Oceans
- Streams and Canals

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

MAP INFORMATION

Map Scale: 1:9,170 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:12,000.

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

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

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

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

Date(s) aerial images were photographed: 8/5/2006

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

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
22A	Hero gravelly loam, 0 to 3 percent slopes	5.1	3.0%
31A	Copake fine sandy loam, 0 to 3 percent slopes	8.4	5.0%
31B	Copake fine sandy loam, 3 to 8 percent slopes	0.1	0.0%
31C	Copake gravelly loam, 8 to 15 percent slopes	2.0	1.2%
62D	Canton and Charlton soils, 15 to 35 percent slopes, extremely stony	18.8	11.2%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	15.1	9.0%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	43.5	25.9%
76F	Rock outcrop-Hollis complex, 45 to 60 percent slopes	53.9	32.1%
92C	Nellis fine sandy loam, 8 to 15 percent slopes	0.5	0.3%
93C	Nellis fine sandy loam, 3 to 15 percent slopes, very stony	6.2	3.7%
107	Limerick and Lim soils	14.3	8.5%
Totals for Area of Interest		**167.9**	**100.0%**

Map Unit Description (Brief)

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

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

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

Report—Map Unit Description (Brief)

State of Connecticut

Description Category: SOI

Map Unit: 22A—Hero gravelly loam, 0 to 3 percent slopes

Hero Gravelly Loam, 0 To 3 Percent Slopes This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 36 to 50 inches (914 to 1270 millimeters) and the average annual air temperature is 45 to 50 degrees F. (7 to 10 degrees C.) This map unit is 85 percent Hero soils. 15 percent minor components. Hero soils This component occurs on valley and outwash plain terrace landforms. The parent material consists of glaciofluvial deposits derived from schist, limestone, and dolomite over sand and gravel. The slope ranges from 0 to 3 percent and the runoff class is very low. The depth to a restrictive feature is greater than 60 inches. The drainage class is moderately well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 4.5 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 24 inches. The maximum calcium carbonate within 40 inches is about 20 percent. The maximum amount of salinity in any layer is about 0 mmhos/ cm (nonsaline). The Nonirrigated Land Capability Class is 2w Typical Profile: 0 to 9 inches; gravelly loam 9 to 18 inches; gravelly silt loam 18 to 24 inches; gravelly silt loam 24 to 27 inches; gravelly sandy loam 27 to 60 inches; stratified extremely gravelly coarse sand to gravelly loamy fine sand

Map Unit: 31A—Copake fine sandy loam, 0 to 3 percent slopes

Copake Fine Sandy Loam, 0 To 3 Percent Slopes This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 36 to 50 inches (914 to 1270 millimeters) and the average annual air temperature is 45 to 50 degrees F. (7 to 10 degrees C.) This map unit is 85 percent Copake soils. 15 percent minor components. Copake soils This component occurs on valley kame, outwash plain, and terrace landforms. The parent material consists of glaciofluvial deposits derived from schist, limestone, and dolomite. The slope ranges from 0 to 3 percent and the runoff class is very low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.3 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is about 2 percent. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 1 Typical Profile: 0 to 6 inches; fine sandy loam 6 to 13 inches; gravelly fine sandy loam 13 to 21 inches; gravelly fine sandy loam 21 to 31 inches; gravelly fine sandy loam 31 to 56 inches; very gravelly coarse sand 56 to 65 inches; fine sand 65 to 75 inches; gravelly sand 75 to 80 inches; gravelly sand

Map Unit: 31B—Copake fine sandy loam, 3 to 8 percent slopes

Copake Fine Sandy Loam, 3 To 8 Percent Slopes This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 36 to 50 inches (914 to 1270 millimeters) and the average annual air temperature is 45 to 50 degrees F. (7 to 10 degrees C.) This map unit is 85 percent Copake soils. 15 percent minor components. Copake soils This component occurs on valley kame, outwash plain, and terrace landforms. The parent material consists of glaciofluvial deposits derived from schist, limestone, and dolomite. The slope ranges from 3 to 8 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.3 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is about 2 percent. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 2e Typical Profile: 0 to 6 inches; fine sandy loam 6 to 13 inches; gravelly fine sandy loam 13 to 21 inches; gravelly fine sandy loam 21 to 31 inches; gravelly fine sandy loam 31 to 56 inches; very gravelly coarse sand 56 to 65 inches; fine sand 65 to 75 inches; gravelly sand 75 to 80 inches; gravelly sand

Map Unit: 31C—Copake gravelly loam, 8 to 15 percent slopes

Copake Gravelly Loam, 8 To 15 Percent Slopes This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 36 to 50 inches (914 to 1270 millimeters) and the average annual air temperature is 45 to 50 degrees F. (7 to 10 degrees C.) This map unit is 85 percent Copake soils. 15 percent minor components. Copake soils This component occurs on valley kame, outwash plain, and terrace landforms. The parent material consists of glaciofluvial deposits derived from schist, limestone, and dolomite. The slope ranges from 8 to 15 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.3 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is about 2 percent. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 3e Typical Profile: 0 to 6 inches; gravelly loam 6 to 13 inches; gravelly fine sandy loam 13 to 21 inches; gravelly fine sandy loam 21 to 31 inches; gravelly fine sandy loam 31 to 56 inches; very gravelly coarse sand 56 to 65 inches; fine sand 65 to 75 inches; gravelly sand 75 to 80 inches; gravelly sand

Map Unit: 62D—Canton and Charlton soils, 15 to 35 percent slopes, extremely stony

Canton And Charlton Soils, 15 To 35 Percent Slopes, Extremely Stony This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 45 percent Canton soils, 35 percent Charlton soils. 20 percent minor components Canton soils This component occurs on upland hill landforms. The parent material consists of melt-out till derived from schist, granite, and gneiss. The slope ranges from 15 to 35 percent and the runoff class is medium. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 1.98 in/hr (moderately rapid), with about 5.6 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s Typical Profile: 0 to 1 inches; moderately decomposed plant material 1 to 3 inches; gravelly fine sandy loam 3 to 15 inches; gravelly loam 15 to 24 inches; gravelly loam 24 to 30 inches; gravelly loam 30 to 60 inches; very gravelly loamy sand Charlton soils This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 15 to 35 percent and the runoff class is medium. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.4 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s Typical Profile: 0 to 4 inches; fine sandy loam 4 to 7 inches; fine sandy loam 7 to 19 inches; fine sandy loam 19 to 27 inches; gravelly fine sandy loam 27 to 65 inches; gravelly fine sandy loam

Map Unit: 75C—Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes

Hollis-Chatfield-Rock Outcrop Complex, 3 To 15 Percent Slopes This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 54 degrees F. (7 to 12 degrees C.) This map unit is 35 percent Hollis soils, 30 percent Chatfield soils, 15 percent Rock Outcrop. 20 percent minor components. Hollis soils This component occurs on upland hill and ridge landforms. The parent material consists of melt-out till derived from granite, gneiss, and schist. The slope ranges from 3 to 15 percent and the runoff class is low. The depth to a restrictive feature is 10 to 20 inches to bedrock (lithic). The drainage class is somewhat excessively drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 1.8 inches (very low) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 6s Typical Profile: 0 to 1 inches; highly decomposed plant material 1 to 6 inches; gravelly fine sandy loam 6 to 9 inches; channery fine sandy loam 9 to 15 inches; gravelly fine sandy loam 15 to 25 inches; unweathered bedrock Chatfield soils This component occurs on upland hill and ridge landforms. The parent material consists of melt-out till derived from gneiss, granite, and schist. The slope ranges from 3 to 15 percent and the runoff class is low. The depth to a restrictive feature is 20 to 40 inches to bedrock (lithic). The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 3.3 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 6s Typical Profile: 0 to 1 inches; highly decomposed plant material 1 to 6 inches; gravelly fine sandy loam 6 to 15 inches; gravelly fine sandy loam 15 to 29 inches; gravelly fine sandy loam 29 to 36 inches; unweathered bedrock Rock Outcrop This component occurs on bedrock controlled landforms. The slope ranges from 3 to 15 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

Map Unit: 75E—Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes

Hollis-Chatfield-Rock Outcrop Complex, 15 To 45 Percent Slopes This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 54 degrees F. (7 to 12 degrees C.) This map unit is 35 percent Hollis soils, 30 percent Chatfield soils, 15 percent Rock Outcrop. 20 percent minor components. Hollis soils This component occurs on upland hill and ridge landforms. The parent material consists of melt-out till derived from granite, gneiss, and schist. The slope ranges from 15 to 45 percent and the runoff class is high. The depth to a restrictive feature is 10 to 20 inches to bedrock (lithic). The drainage class is somewhat excessively drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 1.8 inches (very low) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s Typical Profile: 0 to 1 inches; highly decomposed plant material 1 to 6 inches; gravelly fine sandy loam 6 to 9 inches; channery fine sandy loam 9 to 15 inches; gravelly fine sandy loam 15 to 25 inches; unweathered bedrock Chatfield soils This component occurs on upland hill and ridge landforms. The parent material consists of melt-out till derived from gneiss, granite, and schist. The slope ranges from 15 to 45 percent and the runoff class is high. The depth to a restrictive feature is 20 to 40 inches to bedrock (lithic). The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 3.3 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 7s Typical Profile: 0 to 1 inches; highly decomposed plant material 1 to 6 inches; gravelly fine sandy loam 6 to 15 inches; gravelly fine sandy loam 15 to 29 inches; gravelly fine sandy loam 29 to 36 inches; unweathered bedrock Rock Outcrop This component occurs on bedrock controlled landforms. The slope ranges from 15 to 45 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

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

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

Map Unit: 92C—Nellis fine sandy loam, 8 to 15 percent slopes

Nellis Fine Sandy Loam, 8 To 15 Percent Slopes This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 32 to 47 inches (813 to 1194 millimeters) and the average annual air temperature is 45 to 48 degrees F. (7 to 9 degrees C.) This map unit is 85 percent Nellis soils. 20 percent minor components. Nellis soils This component occurs on upland hill landforms. The parent material consists of melt-out till derived from schist, limestone, and dolomite. The slope ranges from 8 to 15 percent and the runoff class is medium. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 7.2 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is about 20 percent. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 3e Typical Profile: 0 to 8 inches; fine sandy loam 8 to 14 inches; fine sandy loam 14 to 25 inches; fine sandy loam 25 to 27 inches; loam 27 to 60 inches; sandy loam

Map Unit: 93C—Nellis fine sandy loam, 3 to 15 percent slopes, very stony

Nellis Fine Sandy Loam, 3 To 15 Percent Slopes, Very Stony This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 32 to 47 inches (813 to 1194 millimeters) and the average annual air temperature is 45 to 48 degrees F. (7 to 9 degrees C.) This map unit is 85 percent Nellis soils. 20 percent minor components. Nellis soils This component occurs on upland hill landforms. The parent material consists of melt-out till derived from schist, limestone, and dolomite. The slope ranges from 3 to 15 percent and the runoff class is medium. The depth to a restrictive feature is greater than 60 inches. The drainage class is well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 7.2 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is greater than 6 feet. The maximum calcium carbonate within 40 inches is about 20 percent. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 6s Typical Profile: 0 to 8 inches; fine sandy loam 8 to 14 inches; fine sandy loam 14 to 25 inches; fine sandy loam 25 to 27 inches; loam 27 to 60 inches; sandy loam

Map Unit: 107—Limerick and Lim soils

Limerick And Lim Soils This map unit is in the New England and Eastern New York Upland, Southern Part Connecticut Valley Major Land Resource Area. The mean annual precipitation is 32 to 50 inches (813 to 1270 millimeters) and the average annual air temperature is 45 to 54 degrees F. (7 to 12 degrees C.) This map unit is 50 percent Limerick soils, 30 percent Lim soils. 20 percent minor components. Limerick soils This component occurs on depression and flood plain landforms. The parent material consists of silty alluvium. The slope ranges from 0 to 3 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is poorly drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 12.4 inches (very high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is frequent. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 9 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 4w Typical Profile: 0 to 8 inches; silt loam 8 to 20 inches; silt loam 20 to 36 inches; silt loam 36 to 54 inches; silt loam 54 to 65 inches; silt loam Lim soils This component occurs on depression and flood plain landforms. The parent material consists of loamy alluvium. The slope ranges from 0 to 3 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is poorly drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.1 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is frequent. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 9 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 4w Typical Profile: 0 to 6 inches; very fine sandy loam 6 to 11 inches; very fine sandy loam 11 to 15 inches; very fine sandy loam 15 to 22 inches; silt loam 22 to 29 inches; fine sandy loam 29 to 42 inches; stratified very gravelly coarse sand to loamy fine sand 42 to 50 inches; stratified very gravelly coarse sand to loamy fine sand 50 to 57 inches; stratified very gravelly coarse sand to loamy fine sand 57 to 65 inches; stratified very gravelly coarse sand to loamy sand

Data Source Information

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

September 22, 2010

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

RE: Emergency Access Assessment – SR2413 – Falls Village/Canaan
8 Barnes Road, Falls Village, CT 06031
CHA File No.: 18301-1026-43000

The proposed access road to the tower facility has been reviewed to evaluate its ability to provide emergency vehicles safe access in the event of an emergency. The proposed road is 3,050 feet long, has an approximate 20% grade along a majority of its length, has a 12' width with widened curves, has a 12" crowned crushed stone surface, and follows the existing horizontal road alignment for a majority of its length. The above road design is a standard used for tower sites. Although the long length is unique it is not a safety factor. The 20% road grade is common as it is encountered and utilized frequently for tower site road designs due to the preference to locate facilities at high elevations on undeveloped wooded parcels. A 20% road grade has proven to provide safe access to tower facilities for site technicians and heavy construction equipment. This grade is permitted since the facility is unmanned and the access road is infrequently traveled. The 12' road width is a standard travel way width; however, it is not practical for some larger vehicles to make turns at this width so widened curves are being provided where required for larger construction equipment and emergency vehicles. The widened curves at the turns, where required, and the 12' width at all straight sections will provide a safe travel way for all anticipated traffic. The crowned 12" thick crushed rock surface will promote water drainage from the road surface and will help prevent the road deterioration and rutting that currently exists. The stable well drained road surface will provide a safe travel surface. Along portions of the access road, 1:1 and 2:1 down slopes with drops in the range of 10' exist in some areas on either side of the road. Guard rails will be installed in these areas, especially at the curves, for safety.

In conclusion, a road designed to provide safe access for site technicians and heavy construction equipment will be able to provide safe access for emergency vehicles. Since the facility is unmanned and infrequently accessed, the need for emergency vehicles to utilize the road would be minimal but feasible. The proposed access road complies with typical tower site road design practices and will be able to safely accommodate all required traffic.

Very truly yours,
CHA

Paul Lusitani

Paul Lusitani
Project Engineer

W:\SAI Cingular\18301\Sites\1026 Falls Village 2413\Emergency Access\FALLS VILLAGE EMERGENCY ACCESS 09-22-10.doc

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Access Road Drainage Calculations

Falls Village/Canaan
8 Barnes Road
Town of Canaan
Litchfield County, Connecticut

Prepared for:

SAI Communications
500 Enterprise Drive
Rocky Hill, CT 06067

Prepared by:

2139 Silas Deane Highway
Suite 212
Rocky Hill, Connecticut 06067-2336
(518) 257-4557

May 2010
Revised September 2010

INTRODUCTION

The proposed tower site is located in the Town of Canaan, Litchfield County in northwest Connecticut. The Town is bounded by the town of Salisbury to the west, North Canaan to the north, Norfolk to the east, and Cornwall to the south. The project site is located about 35 miles northwest of Hartford, the State's capital.

The entrance to the existing gravel access drive at 8 Barnes Road is located at the base of Cobble Hill, approximately 1.75 miles east of Falls Village. The gravel access drive ascends Cobble Hill on a northwest to southeast oriented ridge that begins immediately at the Barnes Road entrance (Elevation 664 feet) and climbs steeply up to the ridge of Cobble Hill and terminates at elevation 1198 feet near a private driveway to a cabin approximately 300 feet northwest of the proposed cell tower site. (See Figure 1 – Site Location Map and Figures 3A-3D – Existing Site).

The proposed gravel access drive to the cell site will consist of approximately 3,050 feet of re-graded 12 foot wide gravel road that will generally follow the existing alignment up to the ridge top and then continue to the proposed tower site approximately 1,100 feet west of the top of Cobble Hill (Elev. 1268± feet). Some improvements to the drive alignment are proposed to maintain the road on the parcel with the perpetual easement right-of-way. Several sections of cut and fill slopes will be constructed to support the proposed vertical alignment. Encounters with bedrock and rock outcrops are anticipated; therefore, rock cutting activities are expected during construction.

This report addresses the design of drainage swales to protect the access road from washout, safely convey stormwater flows, and protect outfall locations from erosion. This report does not address the design of groundwater controls, or slope stabilization, as geotechnical information was not available at the time of this report.

HYDROLOGIC EVALUATION

The steepness of the terrain subjects the gravel access road alignment to sheet flow and high velocity shallow concentrated flows that will concentrate on adjacent sides of the road subjecting it to erosion. (See Figures 4A through 4E - Drainage Areas). The maximum drainage area upstream of the access road is 2.2 acres (DA-A1 and DA-A2) and is located at the base of the hill.

Aerial photos of the watershed show that the primary terrain cover is composed of forested area with

pockets of exposed rock outcrops. The Connecticut USGS South Canaan Quadrangle Map indicates that the predominant landform consists of moderately to steeply sloped forested knobs and ridges divided by flat valleys marked by mixed forested swampy terrain. Existing elevations range from 640± feet along the Hollenbeck River and Wangum Lake Brook watershed plains to an elevation of 1962 feet at Bradford Mountain in the Housatonic State Forest located 3 miles northeast of Cobble Hill.

The onsite soils on Cobble Hill consist of:

- Hydrologic Soil Group D (Hollis-Chatfield Rock Outcrop Complex soils) located on the top section of the hill.
- Hydrologic Soil Group D (Hollis-Chatfield Rock Outcrop Complex soils /Rock Outcrop - Hollis Complex) located on the steep sides of the hill.
- Hydrologic Soil Group B (Copake Fine Sandy Loam) located at the base of the hill.

A summary of these soils can be found in Table 1 (below). See Figure 2 for a map of the onsite soils.

Table 1 - Soil Analysis Summary

Soil Name	Hydrologic Soil Group
75C – Hollis-Chatfield Rock Outcrop Complex, 3-15% Slopes	D
75E – Hollis-Chatfield Rock Outcrop Complex, 15-45% Slopes	D
76F – Rock Outcrop - Hollis Complex, 45-60% Slopes	D
31A – Copake fine sandy loam, 0-3% Slopes	B

Hollis-Chatfield Rock Outcrop Complex soils consist of gravely fine sandy loams with organic material, and cobbles and boulders at the surface. Depth to bedrock is shallow, ranging from 0 to 20 inches. These soils are situated on steep slopes, which can create excessive drainage. A high variability in permeability exists, and is dependent on the shallow, restrictive layer of rock (0.01 to 5.95 in / hr).

Copake fine sandy loams consist of gravely fine sandy loams. Depth to bedrock is deep (greater than 80 inches). These soils are situated on flat outwash plains and terraces, and are well drained. They have moderately high to high permeability (0.57 to 5.95 in / hr.).

No development other than the cell tower facilities (monopole, fenced compound with equipment shelter,

gravel access road, and drainage improvements) is expected to occur in the watershed area that would influence the access road, so existing conditions have been used for design.

In order to determine the swale and rip rap apron end design for the access road of the site, peak flows were generated using the Rational Method. Rainfall intensities (I) for the 10-year and 25-year design storms were referenced from Chapter 6 - Appendix B of the Connecticut Department of Transportation (ConnDOT) Drainage Manual dated October 2000. Composite runoff coefficients (C) were developed from an analysis of existing land use and typical C-values provided in the ConnDOT Drainage Manual. Times of concentration (Tc) were computed using standard NRCS TR-55 Methodology. A frequency factor (Cf) was used to refine the calculated peak flow for the 25-year design storm as prescribed in Section 6.9.5 of the ConnDOT Drainage Manual.

The results of the hydrologic analysis are presented in Table 2 (below) and detailed calculations are included in the Technical Calculations Appendix.

Table 2 – Hydrologic Analysis Summary

Design Point	Watershed Area (acres)	Peak Discharge (ft^3/sec)	
		10-year	25-year
Swale A2 Outlet	2.23	2.70	3.44
Swale B Outlet	0.98	1.39	1.74
Swale CD Outlet	1.27	2.04	2.57
Swale E Outlet	0.10	0.21	0.26
Swale F Outlet	1.60	2.70	3.41
Swale G Outlet	0.08	0.16	0.21
Swale H Outlet	0.30	0.35	0.46
Swale I Outlet	0.06	0.08	0.10

HYDRAULIC EVALUATION

Swales

Basis of Design

In accordance with the engineering guidelines established by the ConnDOT Drainage Manual, drainage swales must be designed to convey lateral flow from the hilltop to the proposed outfall locations along the access road. Conveyance must be achieved without erosive damage to the access road or the hillside. Swale design was determined by selecting one size large enough to safely convey the 25-year frequency design storm peak flow at all swale locations and eliminate erosion of the gravel access road. The selected swale type and size for all swales is a trapezoidal swale with a 1' depth, a 1' flat-bottom (FB), and 2:1 slopes. The overall swale width will be 5'.

Due to steep terrain onsite, high approach velocities with scour potential exist in the swales. According to Chapter 7 – Section 6 of the ConnDOT Drainage Manual, rip rap lining should be installed as a protective measure in the design of the swales.

Design Methodology

Shear calculations on the typical cross section were performed with HECRAS Software (Version 4.0). The mean rip rap size (D_{50}) and ConnDOT Classification were determined by using Table 7-4 of the ConnDOT Drainage Manual, by selecting a material with a larger permissible shear stress than what was calculated.

Manning's n values assigned to the swales are based on lining type and depth as provided in Table 7-2 of the ConnDOT Drainage Manual. Table 4 lists the hydraulic analysis results, including the rip rap sizing for each swale. See Figures 5A through 5E – Proposed Access Drive Drainage for swale locations.

Table 4 – Hydraulic Analysis Summary

Swale	Slope	25-yr Design Flow (cfs)	Swale Parameters – HECRAS output				ConnDOT Riprap		
			Hydraulic Depth (ft)	Manning's n value	Velocity (ft/sec)	Calculated Shear (lb/ft^2)	Permissible Shear (lb/ft^2)	D_{50} Size (in)	Class
Swale A1	0.22	0.9	0.2	0.09	2.4	2.32	2.68	8	Intermediate
Swale A2	0.22	3.4	0.3	0.08	3.7	3.78	4.00	12	Intermediate
Swale B	0.20	1.7	0.2	0.09	2.7	2.78	4.00	12	Intermediate
Swale CD	0.22	2.6	0.3	0.40	5.7	4.38	5.00	15	Standard
Swale E	0.21	0.3	0.1	0.10	1.5	1.36	1.68	5	Modified
Swale F	0.22	3.41	0.4	0.40	5.9	4.94	5.00	15	Standard
Swale G	0.14	0.21	0.1	0.06	1.3	1.35	1.68	5	Modified
Swale H	0.02	0.46	0.3	0.06	0.9	0.31	1.68	5	Modified
Swale I	0.07	0.10	0.1	0.06	0.7	0.64	1.68	5	Modified

Based on the swale capacity analysis, the slopes of some swales are steep enough to produce super critical flows which will result in higher energy and shear. However, flow rates are low enough to meet ConnDOT criteria for riprap protection. According to Chapter 7 – Section 6 of the ConnDOT Drainage Manual, the flow velocities, which are less than 14 fps, and shear values, which are less than or equal to 5 lbs/ft^2, are low enough such that a rip rap armoring will be sufficient for energy dissipation.

Inlet and Outlet Protection

Basis of Design

In accordance with the engineering guidelines established by the ConnDOT Drainage Manual, swale outlets must be protected to minimize scour and to provide downstream erosion protection.

Design Methodology

Due to the steep terrain onsite, high approach velocities with scour potential exist in the swales. The high flow velocities can result in downstream erosion such as scour holes and rills. As a protective measure in the design of the swale outlets, rip rap apron ends are proposed at the discharge points of the swales.

According to Chapter 11 – Section 13 of the ConnDOT Drainage Manual, rip rap apron ends are sufficient to dissipate energy at the swale outlets if the outlet velocities are less than or equal to 14 feet per second. Based on the hydraulic analysis results (Table 4), hydraulic conditions in all proposed swales meet these criteria. Additionally, the minimum riprap apron length (L_a) of 10.0 feet is an adequate sizing for the riprap apron ends. To keep uniformity of materials on site and to reduce material expenses, CHA recommends using the same mean rip rap size (D_{50}) for the aprons as used in the connected swale.

For additional protection near Barnes Road, two riprap check dams are proposed to further dissipate energy. One check dam will be installed in Swale A2, about 100 feet upstream of its proposed riprap apron outfall. The other will be installed immediately downstream of the Swale A2 riprap apron outfall. These check dams are intended to slow down the concentrated flows and disperse the flows before they get to the Barnes Road right-of-way. (See Figures 5A through 5E – Proposed Access Drive Drainage for swales, riprap apron end, and check dam locations and Figure 6 – Drainage Details for swale, riprap apron end, and check dam design details).

CONCLUSIONS

Based on the hydraulic analysis, a rip rap armored trapezoidal swale with a 1' depth, a 1' flat-bottom (FB), and 2:1 side slopes is sufficient in size to handle flows during the 25-year frequency design storm – where flow velocities remained less than 14 fps, and shear values remained less than or equal to 5 lbs/ft^2. For outlet protection, riprap aprons are proposed at all swale discharge points. For additional protection at the Swale A2 outlet, check dams are proposed to further dissipate flows. Mean riprap size (D_{50}) for the swales and apron ends will range from 5" to 15". Design of all proposed drainage improvements was done in accordance with the ConnDOT Drainage Manual and meets the requirements specified therein.

Drainage Area Calcs
Falls Village/South Canaan, CT
Litchfield County
5/6/2010
Revised 09/13/10

Rational Method $Q = C\ I\ C_f\ A$
C = runoff coefficient representing a ratio of runoff to rainfal
I = average rainfall intensity for a duration equal to the time of concentration, for a selected return period (in/h
C_f = frequency factor
A = drainage area tributary to the design location (acres)

Recurrence interval (yrs)	C_f
25	1.1
50	1.2
100	1.25

Drainage Area	Woods D	Woods D	Gravel	Woods B	Impervious			Design Point	Tc* (Mins)	Storm Duration Rainfall Intensity (i) in/hr		Average C	Discharge (Q) cfs		S
C (coefficient)=	0.28	0.38	0.85	0.18	0.95	Area (ac)	Total Area (ac)	OUTFALL PT		10-year	25-year		10-year	25-year	ft/ft
Swale A1	0.226		0.073			0.30	0.30	Swale A2	5.0	6.0	6.7	0.419	0.752	0.924	0.22
Swale A2	1.726		0.096	0.110		1.93	2.23	Culvert A	17.1	3.8	4.4	0.318	2.699	3.438	0.22
Swale B	0.881		0.098			0.98	0.98	Outfall B	13.7	4.2	4.8	0.337	1.385	1.742	0.20
Swale C-D	1.152		0.121			1.273	1.273		10.0	4.8	5.5	0.334	2.043	2.574	0.24
Swale E	0.074		0.025			0.10	0.10	Outfall E	9.0	5.0	5.7	0.423	0.209	0.262	0.21
Swale F		1.459	0.141			1.60	1.60	Outfall F	15.0	4.0	4.6	0.421	2.697	3.412	0.18
Swale G		0.072	0.008			0.08	0.08	Outfall G	10.0	4.8	5.5	0.428	0.164	0.207	0.06
Swale H	0.270		0.030			0.30	0.30	Outfall H	20.7	3.5	4.1	0.337	0.354	0.456	0.01
Swale I	0.056		0.004			0.06	0.06	Outfall I	14.1	4.2	4.8	0.320	0.081	0.101	0.03

Notes:
1. The entire site is composed of HSG D soils

* Calculated using TR-55

* All slopes are steep > 6% and prodominantly wooded. D - values refered from the Connecticut Department of Transportation 2000 Drainage Manual - Chapter 6 Section 6.9-5.

Intensities are taken from the Connecticut Department of Transportation 2000 Drainage Manual - Chapter 6 Appendix B.														
	5 min	6 min	8 min	10 min	12 min	14 min	16 min	18 min	20 min	22 min	24 min	26 min	28 min	30 min
2 -yr	4.6	4.4	4.0	3.6	3.3	3.0	2.8	2.7	2.5	2.4	2.3	2.2	2.0	1.9
10-yr	6.0	5.8	5.3	4.8	4.5	4.2	3.9	3.8	3.6	3.4	3.3	3.1	3.0	2.8
25-yr	6.7	6.5	6.0	5.5	5.1	4.8	4.5	4.4	4.2	4.0	3.8	3.7	3.5	3.3
100-yr	7.8	7.5	7.0	6.5	6.1	5.7	5.4	5.3	5.1	4.9	4.7	4.5	4.3	4.1

Permissible shear equation:

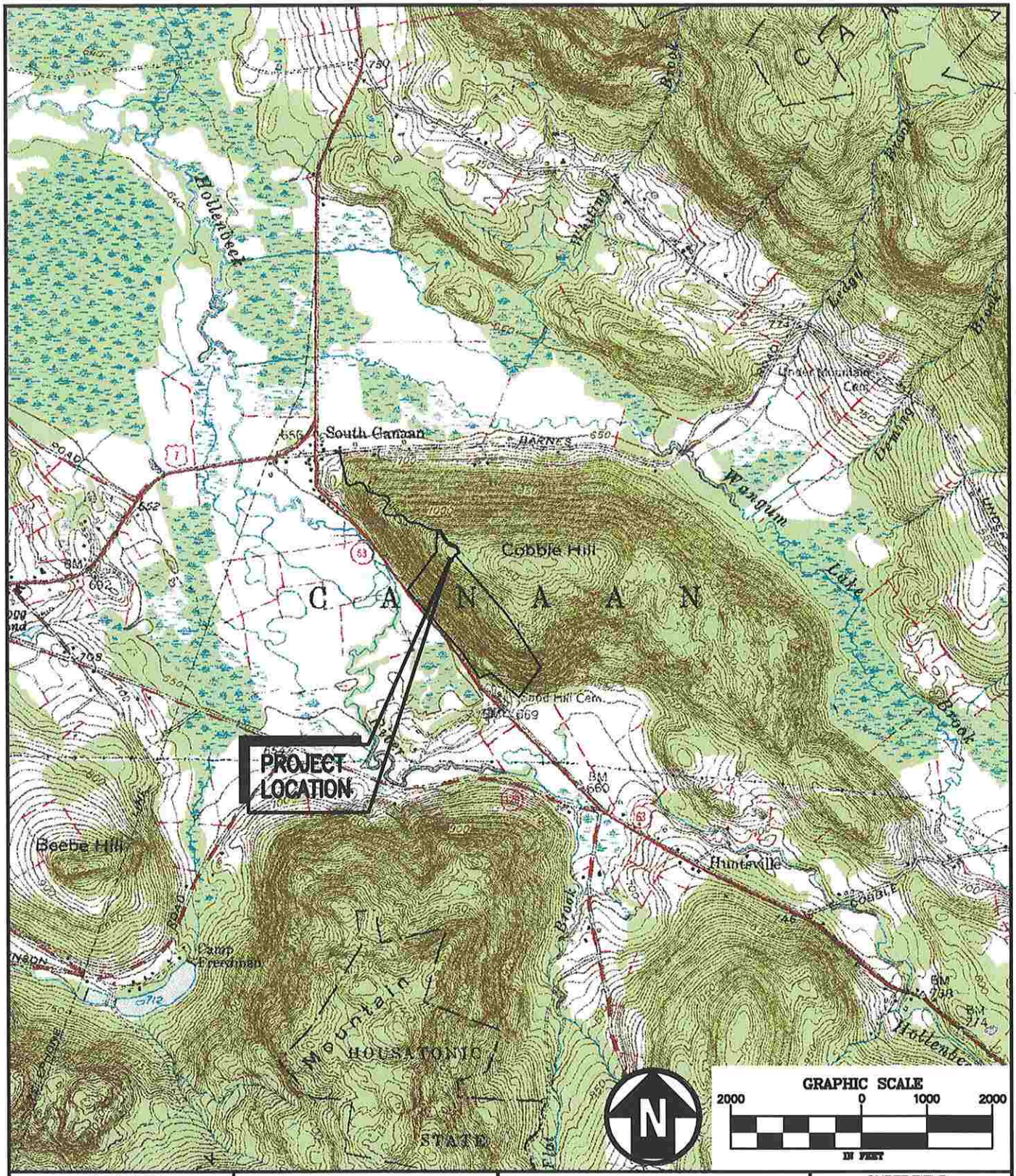
$\tau_p = K_p D_{50}$

$K_p = 4.0$

D_{50} = mean rip rap size (ft)

Manning's n values are based on flow depth and rip rap size taken from Table 7-2, Chapter 7 - Section 6 in the Connecticut Department of Transportation Drainage Manual
Shear Values Calculated by HECRAS

RIP RAP	Max Slope ft/ft	Discharge (Q) cfs	Discharge (Q) cfs	Manning's n	SHEAR lb/ft^2	CONNDOT RIPRAP		
		10-year	25-year		25-year	D_{50} (inches)	Classification	Permissible SHEAR lb/ft^2
Swale A1	0.220	0.75	0.92	0.09	2.32	8	Intermediate	2.68
Swale A2	0.220	2.70	3.44	0.08	3.78	12	Intermediate	4.00
Swale B	0.198	1.39	1.74	0.09	2.78	12	Intermediate	4.00
Swale CD	0.220	2.04	2.57	0.04	4.38	15	Standard	5.00
Swale E	0.214	0.21	0.26	0.10	1.36	5	Modified	1.68
Swale F	0.220	2.70	3.41	0.04	4.94	15	Standard	5.00
Swale G	0.140	0.16	0.21	0.06	1.35	5	Modified	1.68
Swale H	0.015	0.35	0.46	0.06	0.31	5	Modified	1.68
Swale I	0.070	0.08	0.10	0.06	0.64	5	Modified	1.68



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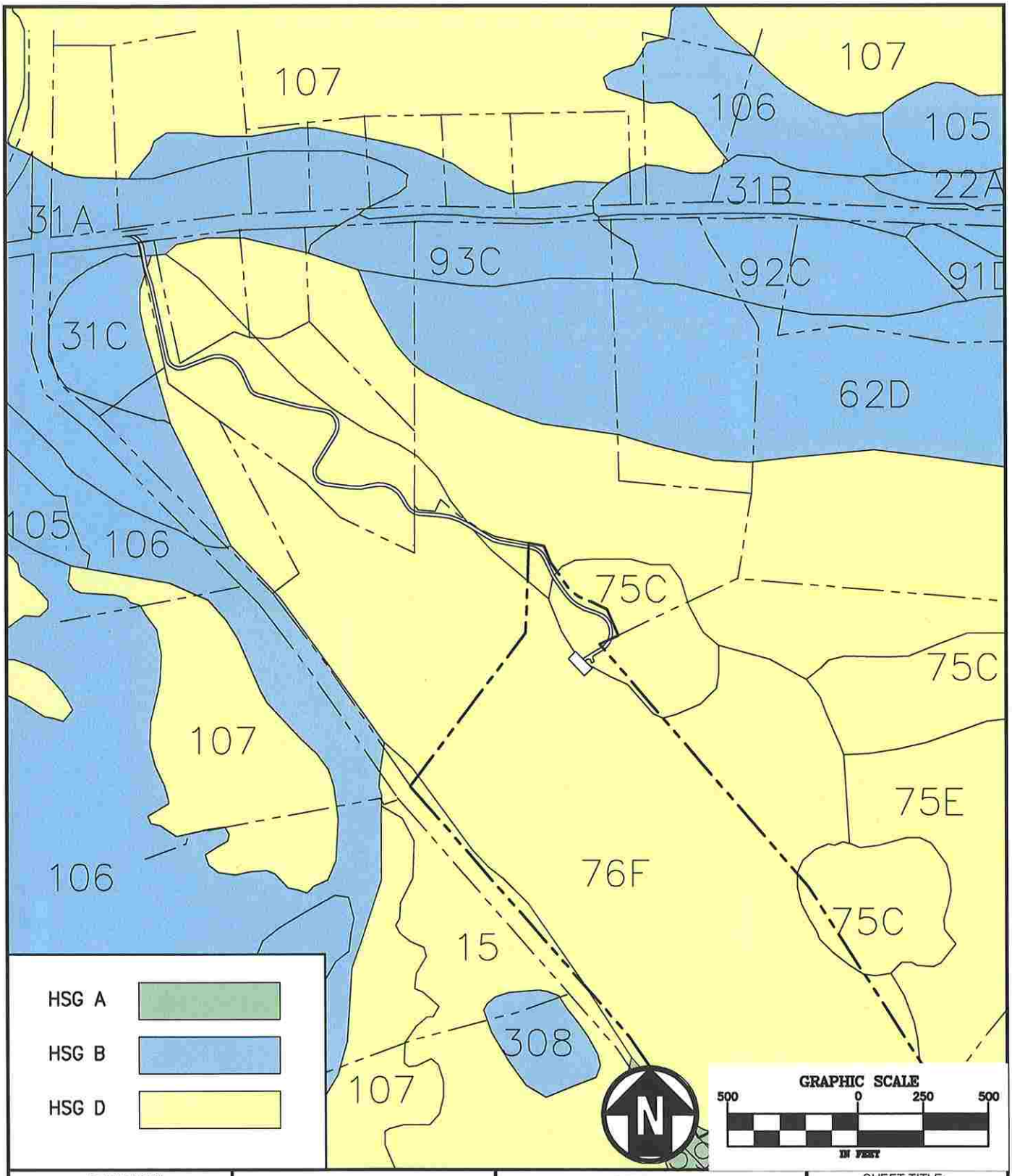
SR2413
FALLS VILLAGE/CANAAN
8 BARNES ROAD
FALLS VILLAGE, CT 06031
LITCHFIELD COUNTY
Scale 1": 2000'
CHA PROJ. NO. – 18301–1026

SHEET TITLE:
FIGURE 1
SITE LOCATION MAP

DATE:
09/15/10

REVISION:
1

DATE: 9/10/2010 11:17 AM FILE: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\MISC\DRAINAGE\REVISED FIGURES 05-12-10\FIGURE 1 AND 2.DWG



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8 BARNES ROAD
FALLS VILLAGE, CT 06031
LITCHFIELD COUNTY
Scale 1": 500'
CHA PROJ. NO. – 18301–1026

SHEET TITLE:
FIGURE 2
SOILS MAP

DATE:
09/15/10

REVISION:
1

DATE: 9/10/2010 11:17 AM FILE: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\MISC\DRAINAGE\REVISED FIGURES 05-12-10\FIGURE 1 AND 2.DWG

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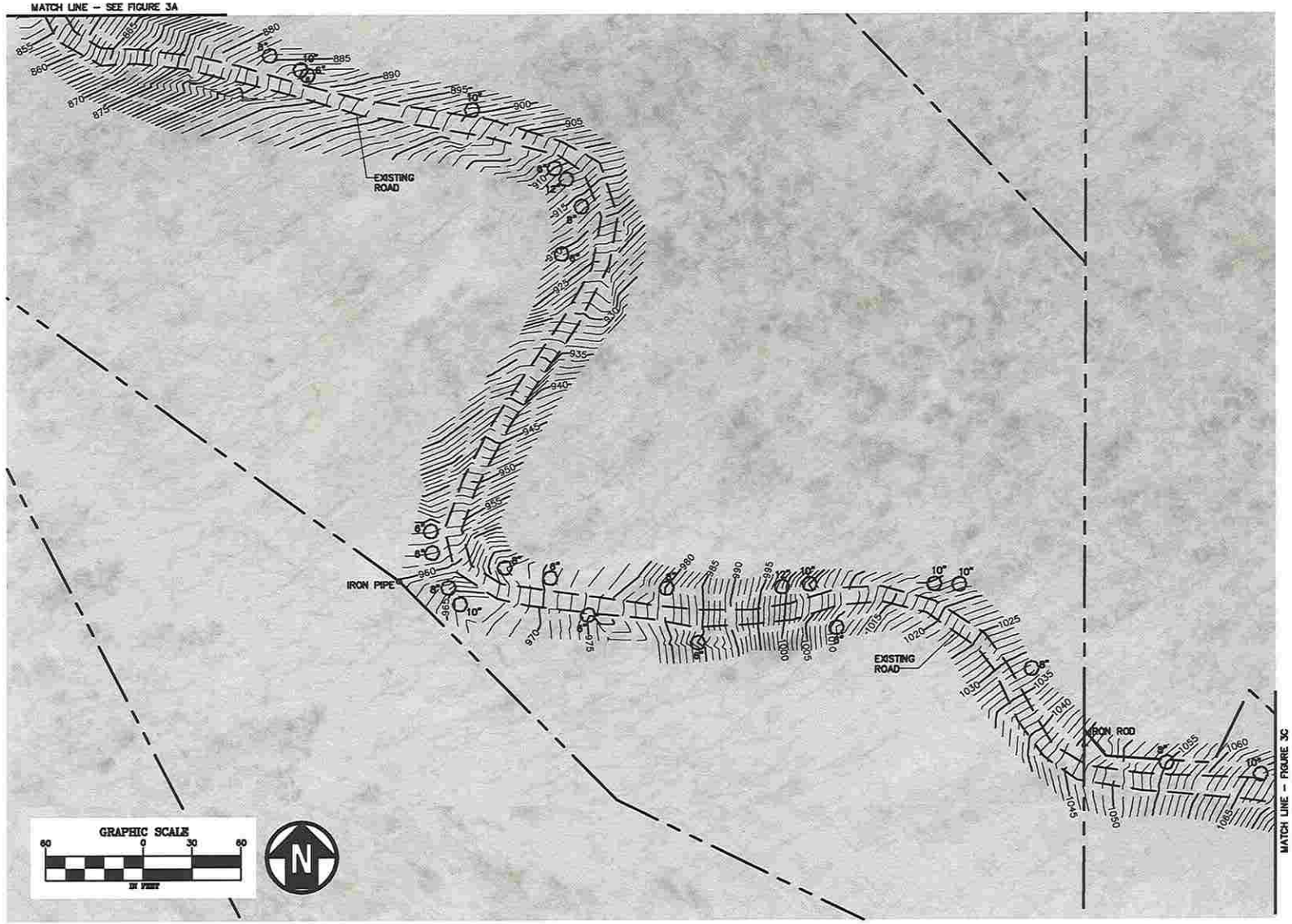
CHA PROJECT NO:
15301 – 1025 – 43000

NO.	SUBMITTAL		
0	05/19/10	REPORT FIGURE	
	BY: RKW	CHK: PAL	APP'D: JPS
1	09/13/10	REPORT FIGURE	
	BY: JDM	CHK: DPA	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
EXISTING SITE

SHEET NUMBER
FIGURE 3A



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NO.	SUBMITTAL		
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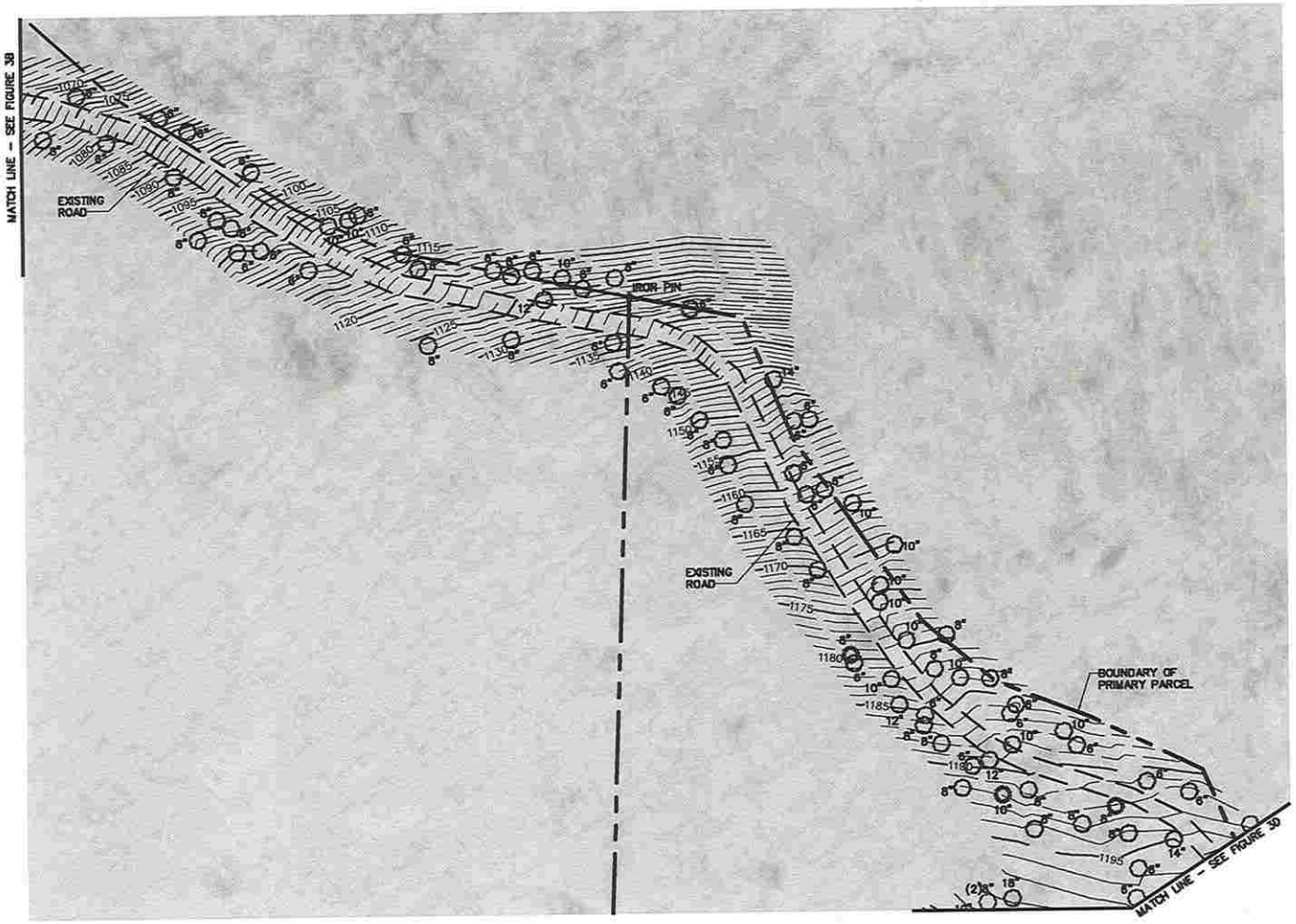
1	09/13/10	REPORT FIGURE	
	BY: JDN	CHK: DPA	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
EXISTING SITE

SHEET NUMBER
FIGURE 3B



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18301 - 1028 - 43000

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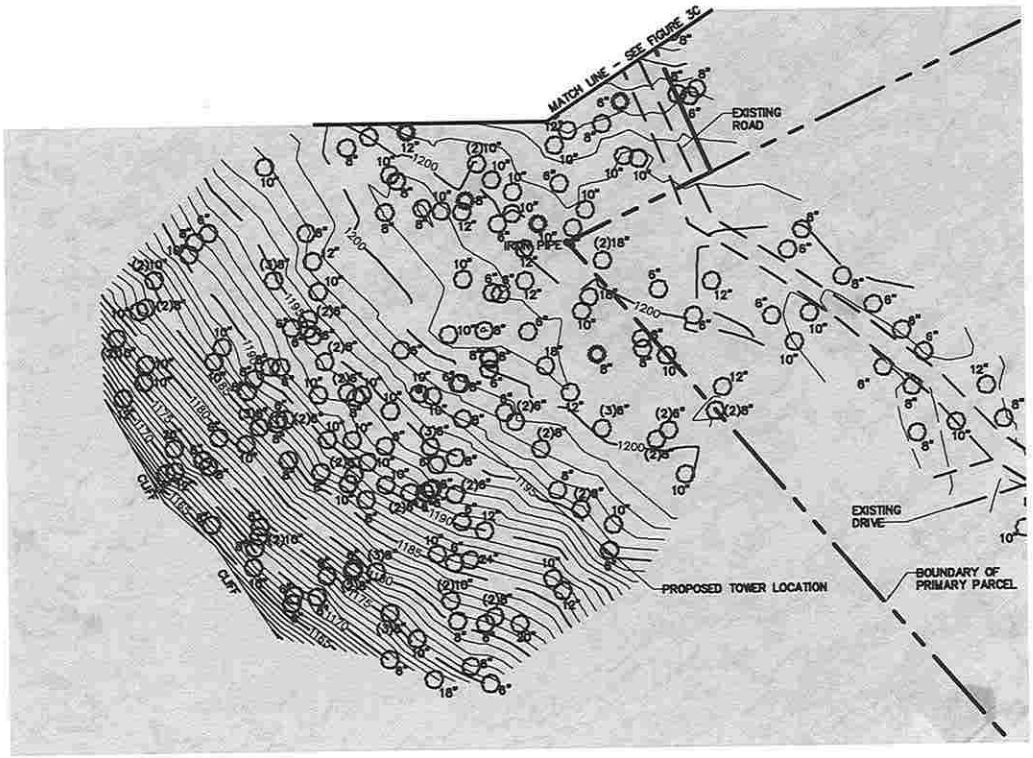
SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
EXISTING SITE

SHEET NUMBER
FIGURE 3C



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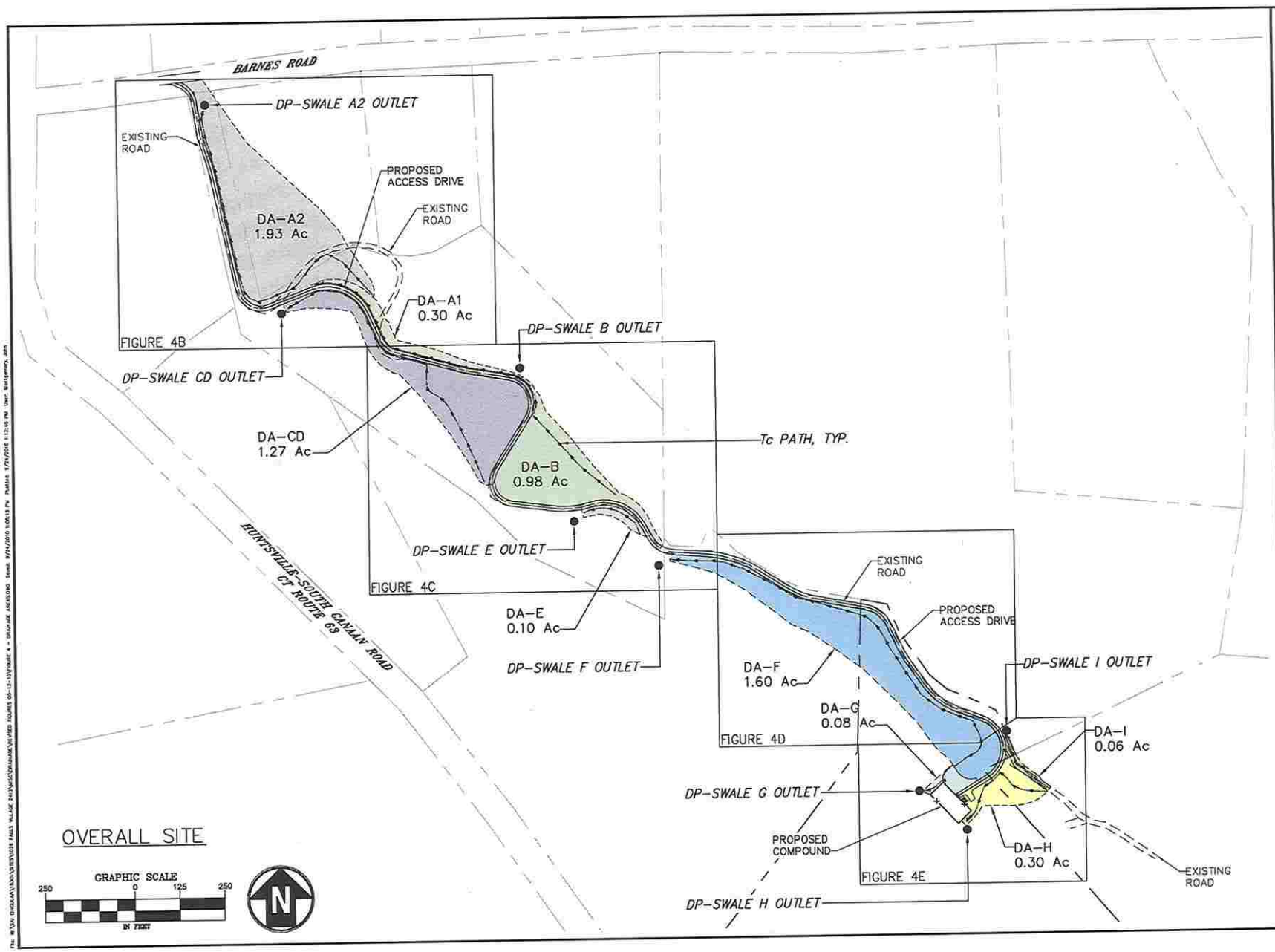
LITCHFIELD COUNTY

SHEET TITLE
EXISTING SITE

SHEET NUMBER
FIGURE 3D



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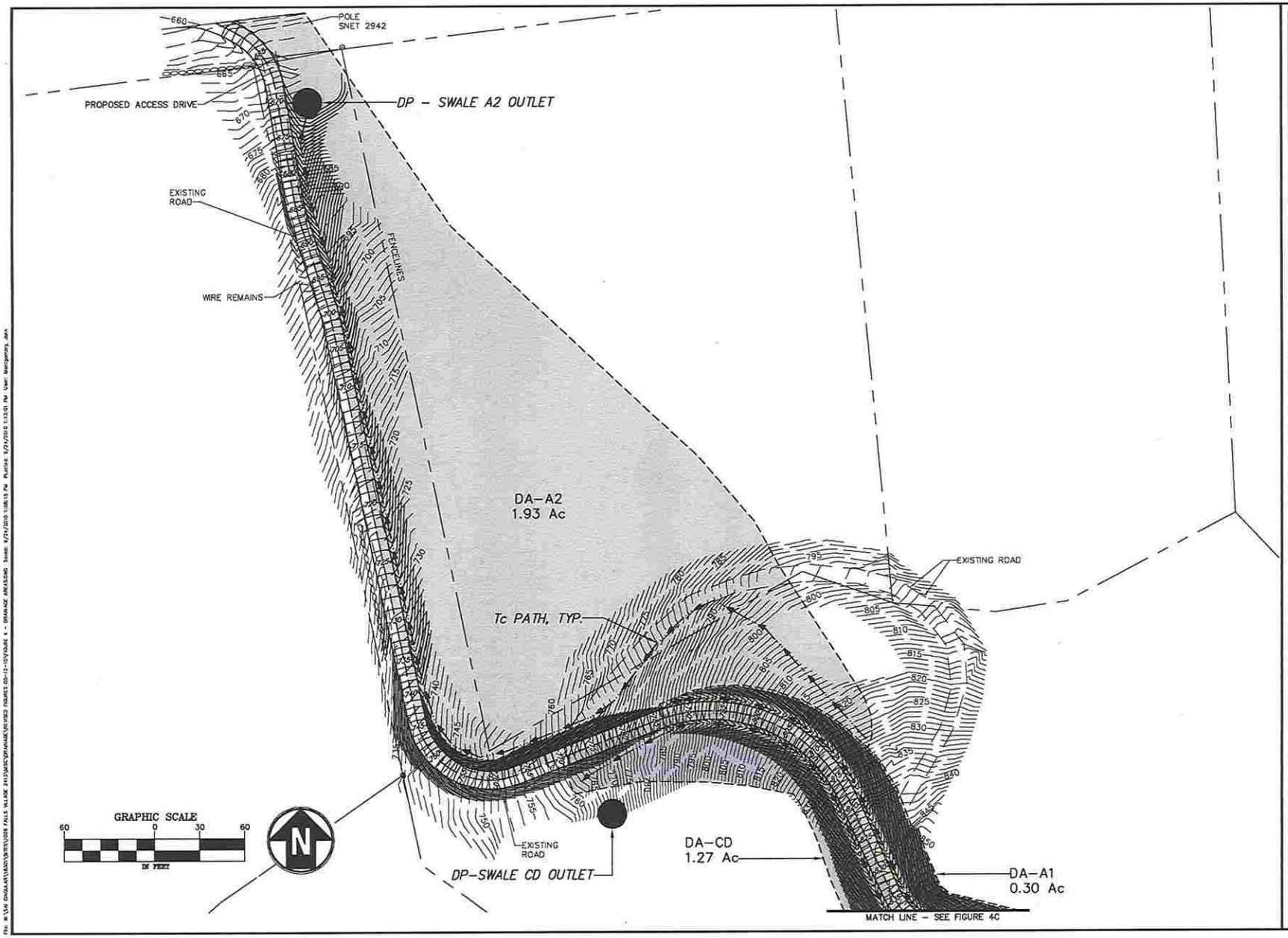
SHEET TITLE
DRAINAGE AREAS

SHEET NUMBER
FIGURE 4A



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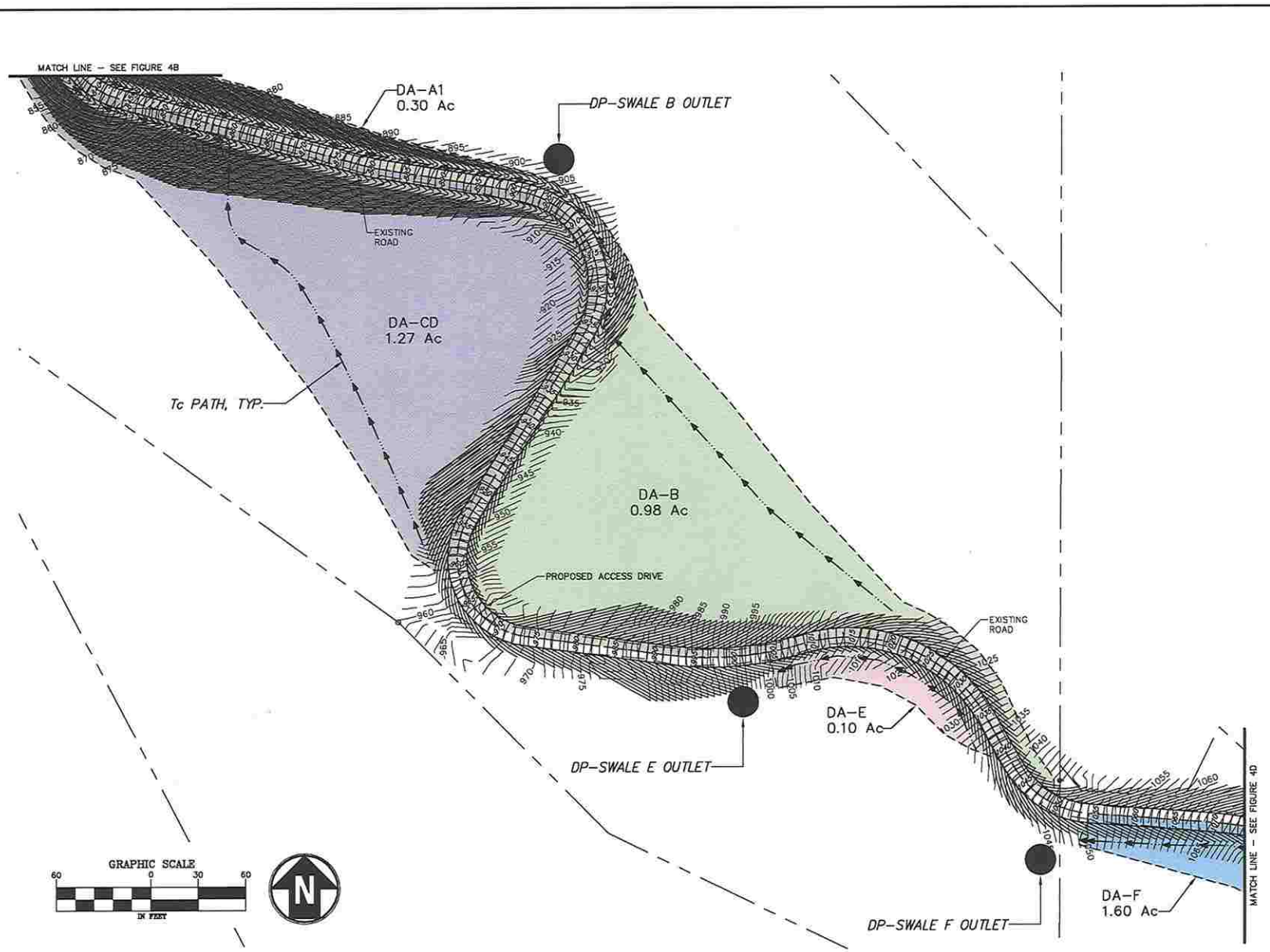
LITCHFIELD COUNTY

SHEET TITLE
DRAINAGE AREAS

SHEET NUMBER
FIGURE 4B



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SITE ADDRESS:
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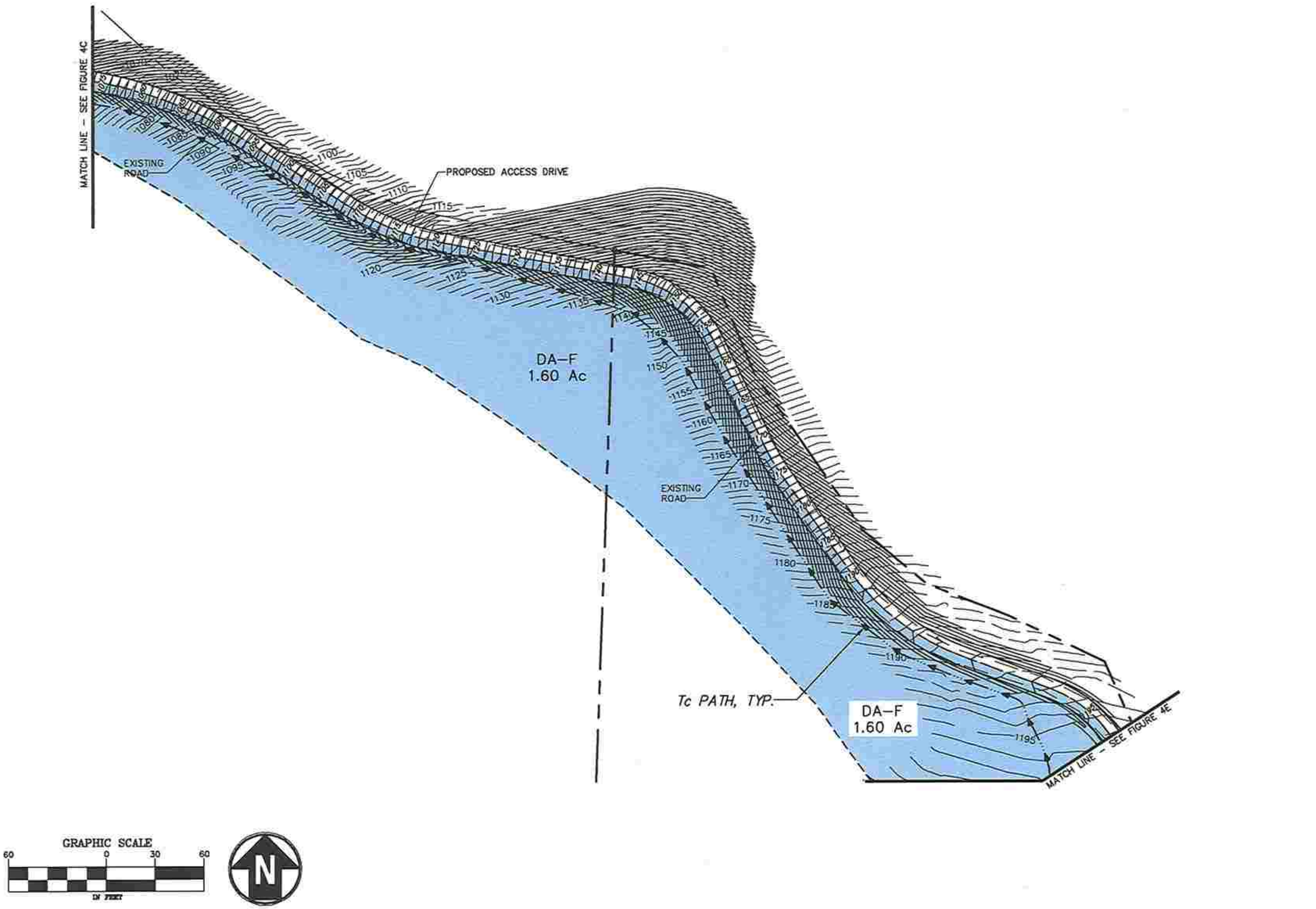
LITCHFIELD COUNTY

SHEET TITLE
DRAINAGE AREAS

SHEET NUMBER
FIGURE 4C



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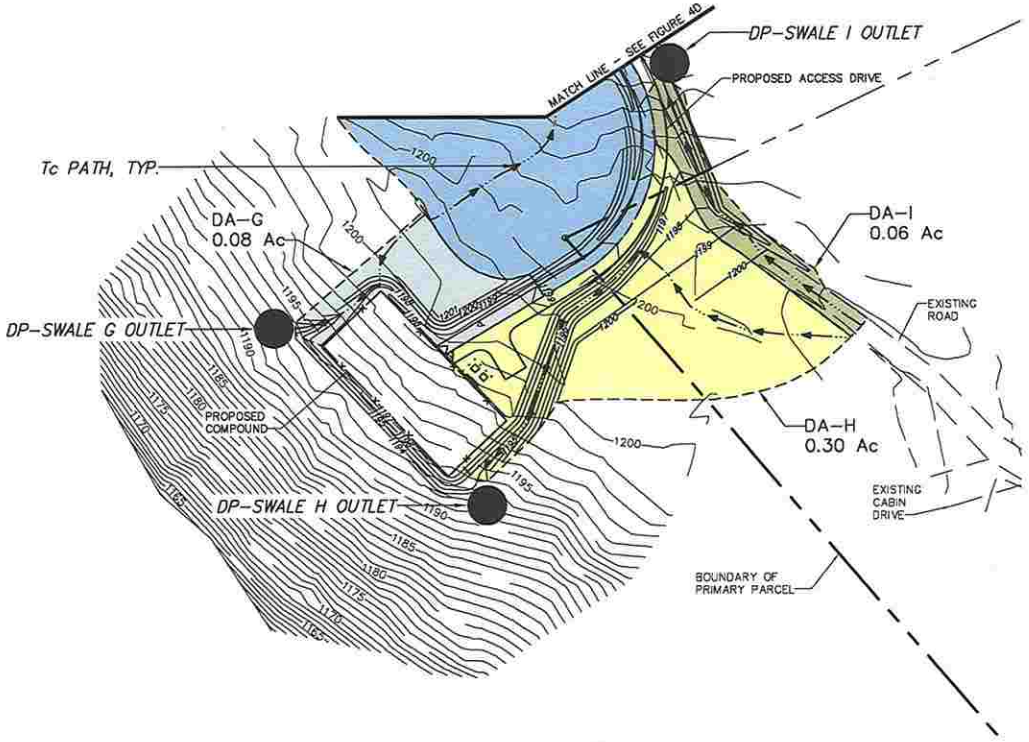
SHEET TITLE
DRAINAGE AREAS

SHEET NUMBER
FIGURE 4D



GRAPHIC SCALE
60 0 30 60
IN FEET

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	BY: JDM	CHK: DPA	APP'D: JPS

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SITE NAME:
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SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
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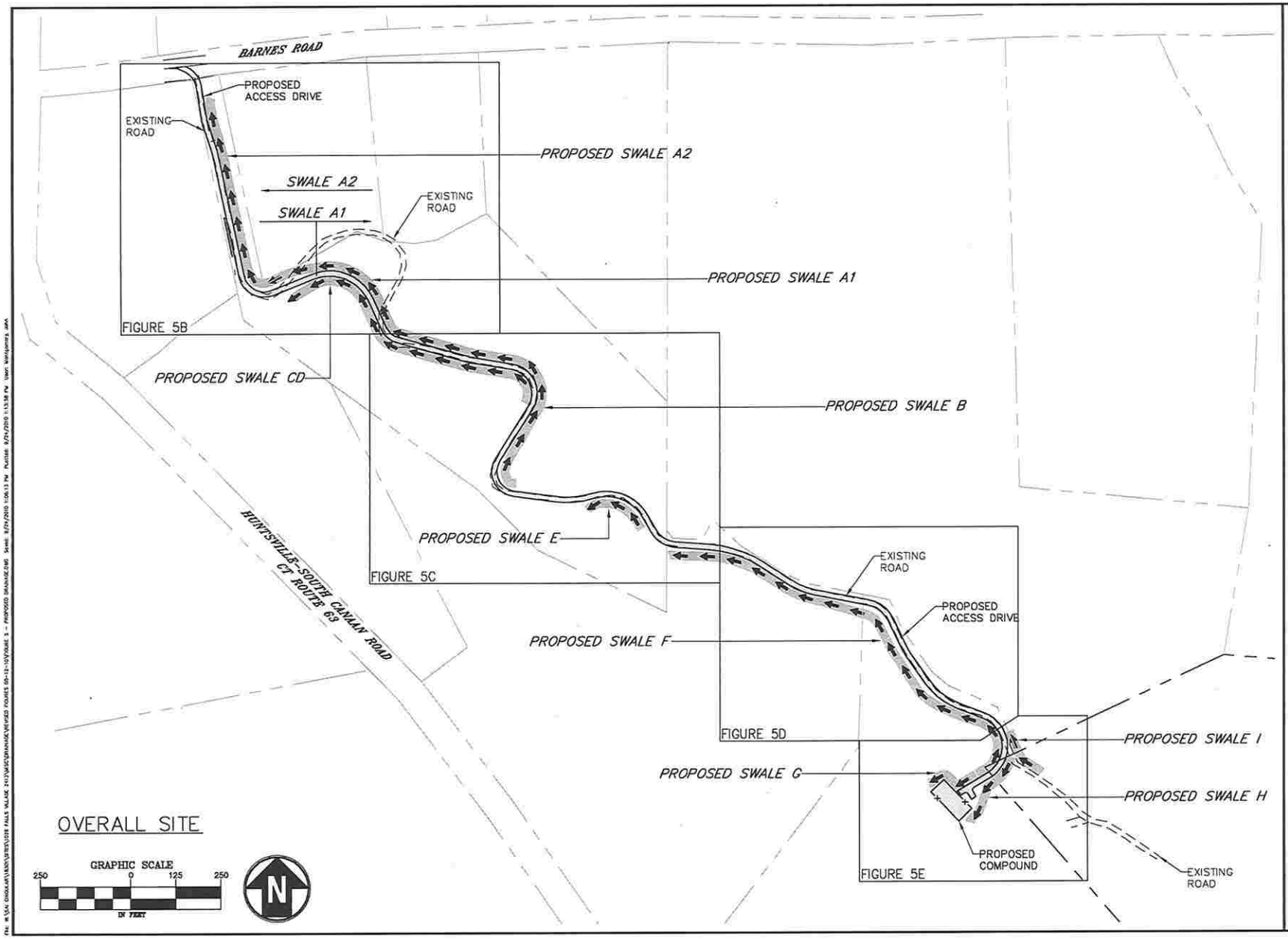
LITCHFIELD COUNTY

SHEET TITLE
DRAINAGE AREAS

SHEET NUMBER
FIGURE 4E



OVERALL SITE

GRAPHIC SCALE
250 0 125 250
IN FEET

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	BY: RKW	CHK: PAL	APP'D: JPS
1	09/23/10	REPORT FIGURE	
	BY: JDM	CHK: DPA	APP'D: JPS

SITE ID:
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SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
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FALLS VILLAGE, CT
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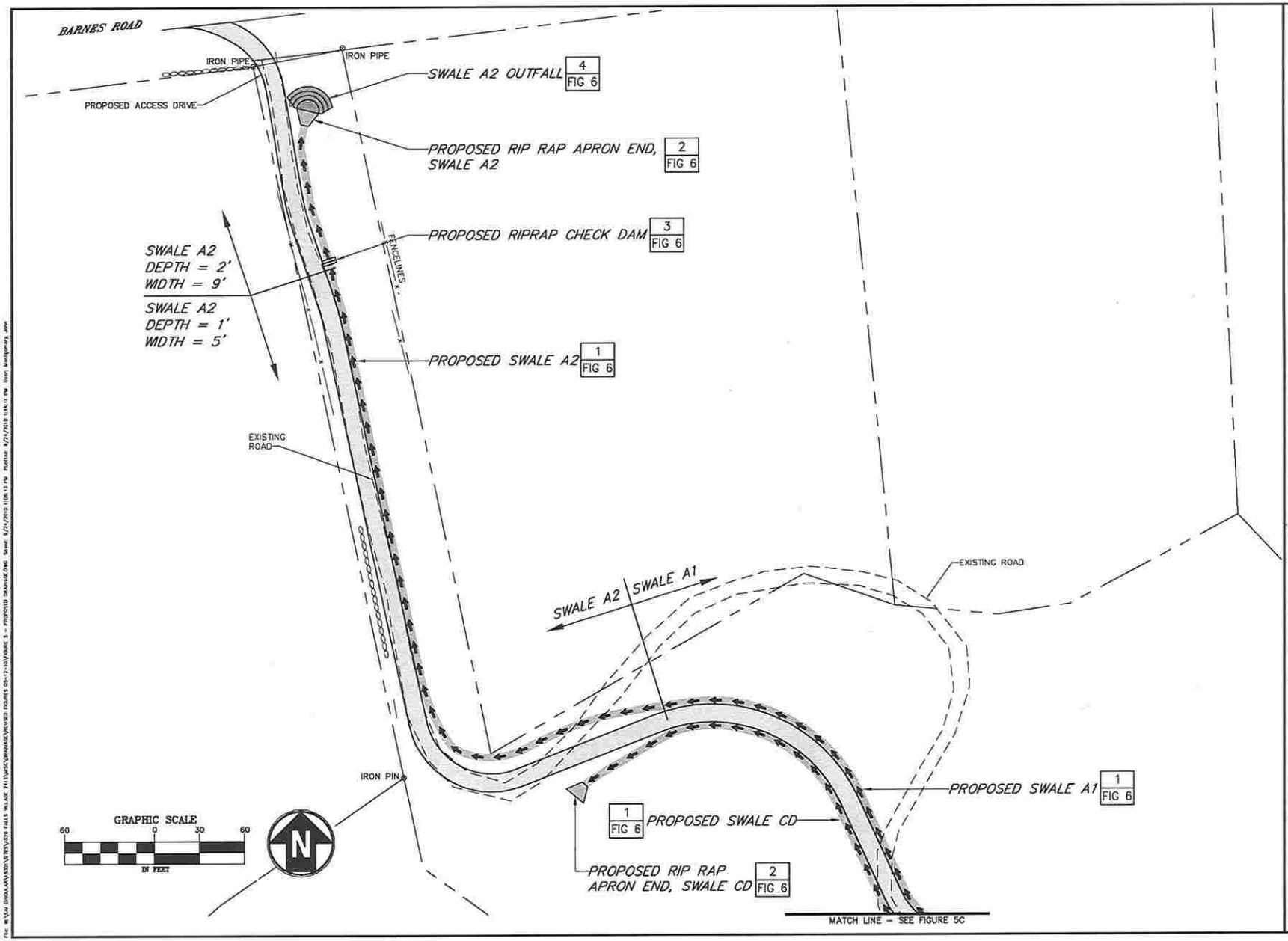
LITCHFIELD COUNTY

SHEET TITLE
PROPOSED ACCESS DRIVE DRAINAGE

SHEET NUMBER
FIGURE 5A



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	BY: JDM	CHK: DPA	APP'D: JPS

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SITE NAME:
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SITE ADDRESS:
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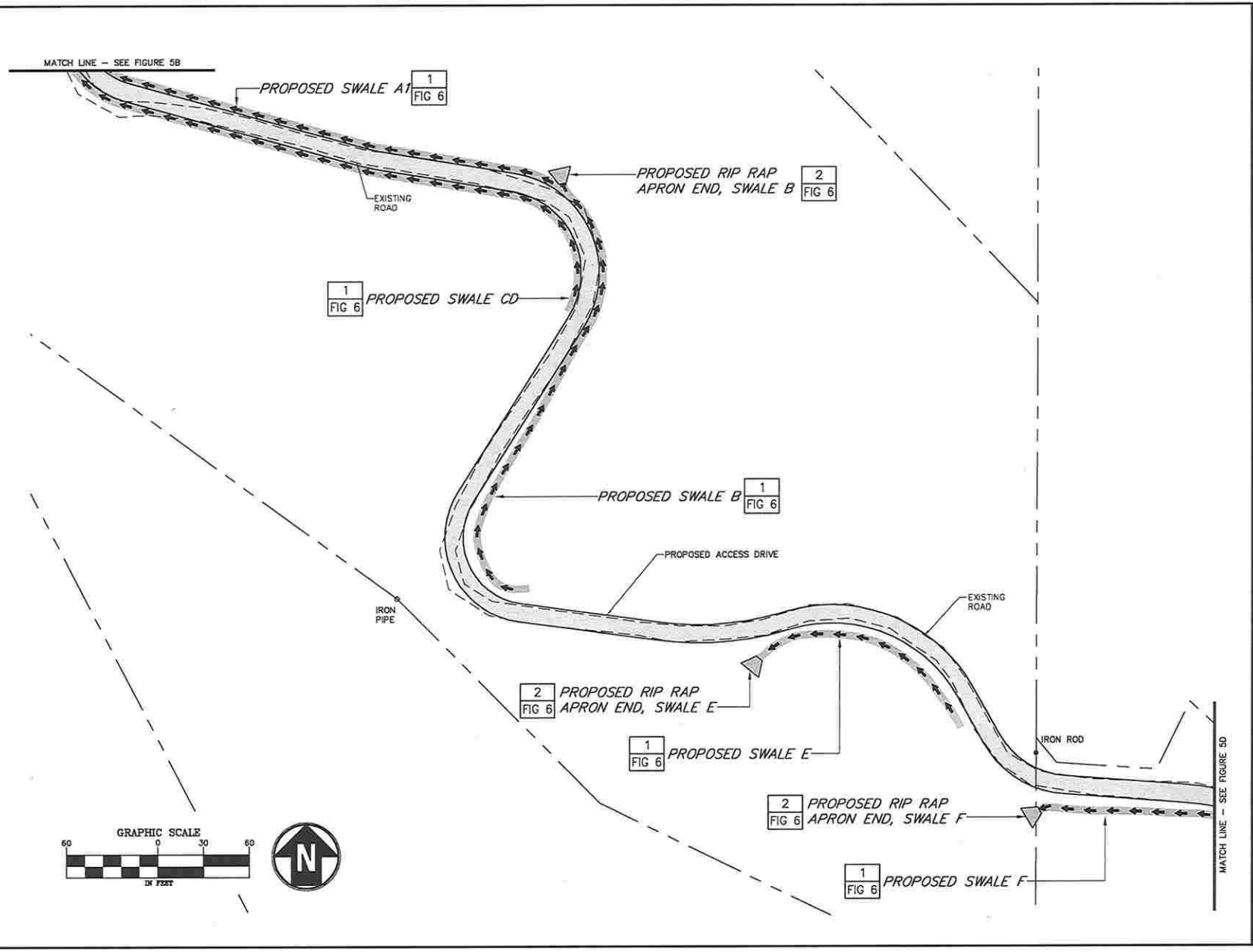
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
PROPOSED ACCESS DRIVE DRAINAGE

SHEET NUMBER
FIGURE 5B



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	BY: JDM	CHK: DPA	APP'D: JPS

SITE ID:
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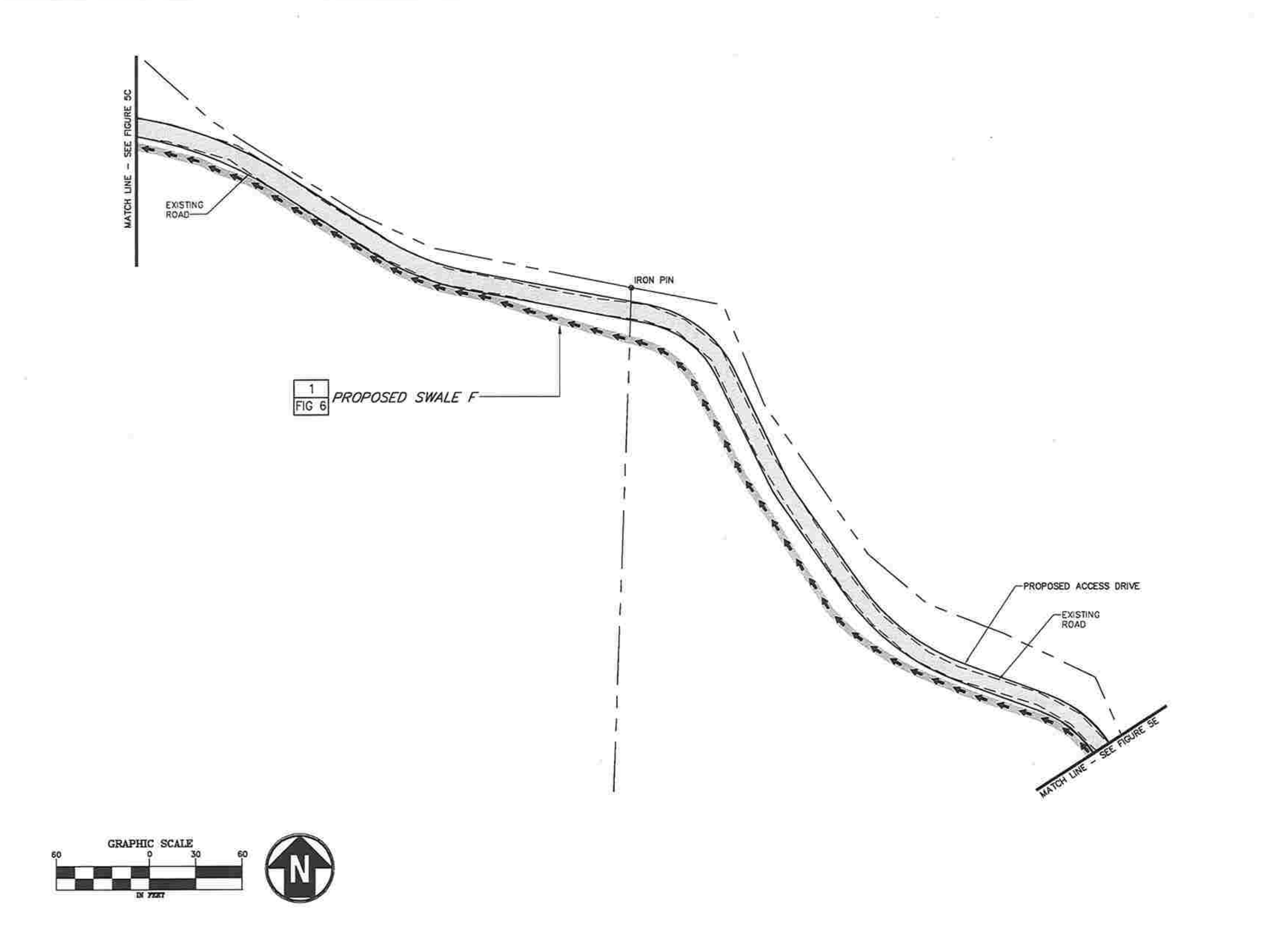
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
PROPOSED ACCESS DRIVE DRAINAGE

SHEET NUMBER
FIGURE 5C



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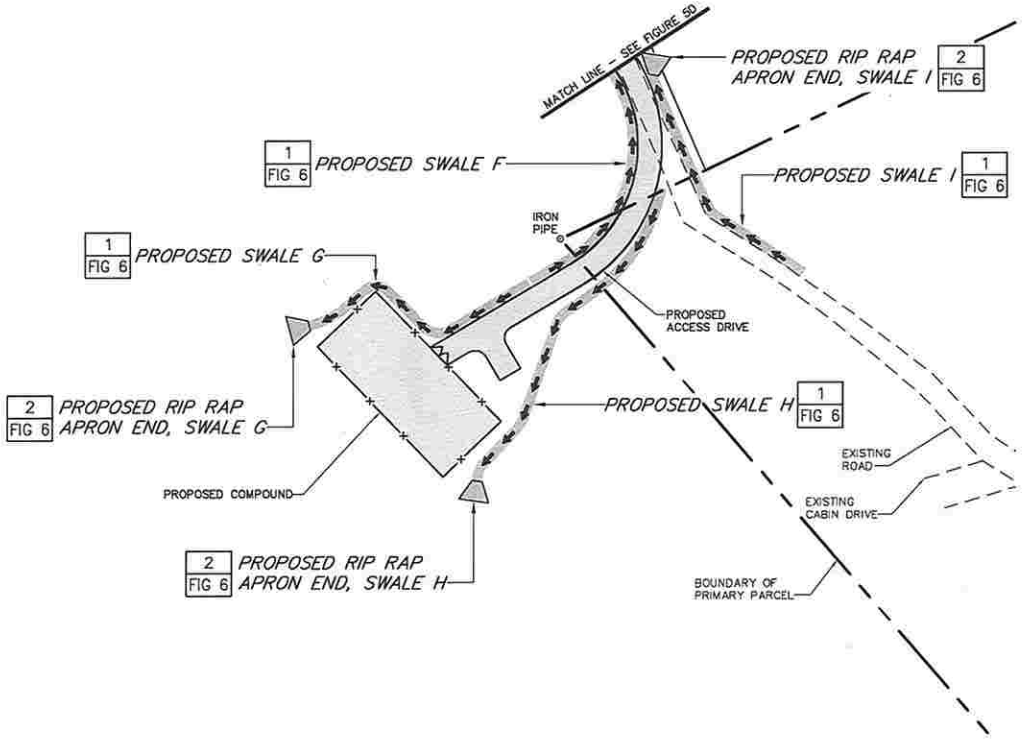
SHEET TITLE
PROPOSED ACCESS DRIVE DRAINAGE

SHEET NUMBER
FIGURE 5D



GRAPHIC SCALE

60 0 30 60

IN FEET

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	BY: JCN	CHK: DPA	APP'D: JPS

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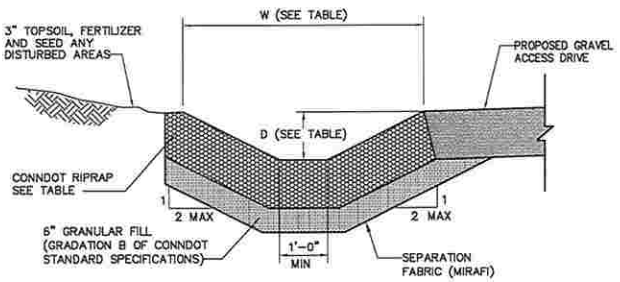
SR2413

SITE NAME:
FALLS VILLAGE/CANAAN

SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

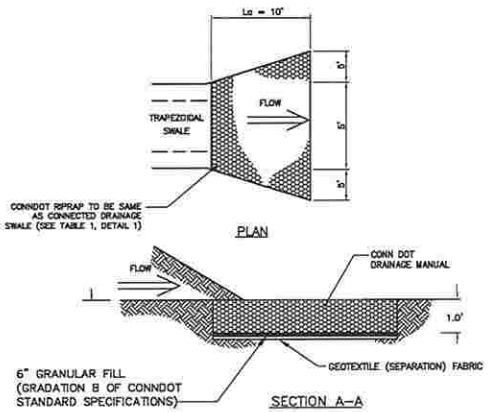
SHEET TITLE
PROPOSED ACCESS DRIVE DRAINAGE

SHEET NUMBER
FIGURE 5E

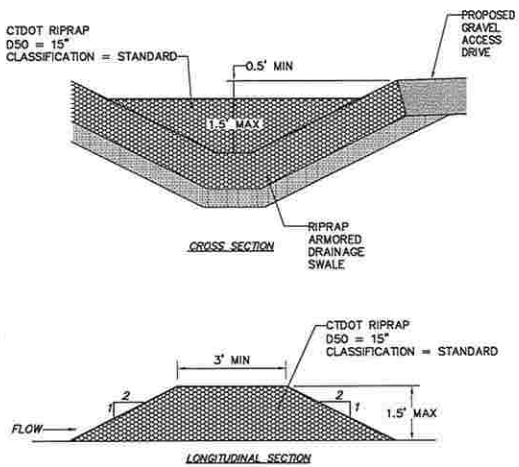


SWALE	CTDOT RIPRAP D50 (INCHES)	CTDOT RIPRAP SPECIFICATION	CTDOT RIPRAP LINING DEPTH	MIN. SWALE DEPTH (D) (FEET)	MIN. SWALE WIDTH (W) (FEET)
SWALE A1	8"	INTERMEDIATE	18"	1	5
SWALE A2	12"	INTERMEDIATE	24"	VARIES SEE FIGURE 5B	VARIES SEE FIGURE 5B
SWALE B	12"	INTERMEDIATE	24"	1	5
SWALE C	12"	INTERMEDIATE	24"	1	5
SWALE D	5"	MODIFIED	12"	1	5
SWALE E	5"	MODIFIED	12"	1	5
SWALE F	15"	STANDARD	36"	1	5
SWALE G	5"	MODIFIED	12"	1	5
SWALE H	5"	MODIFIED	12"	1	5
SWALE I	5"	MODIFIED	12"	1	5

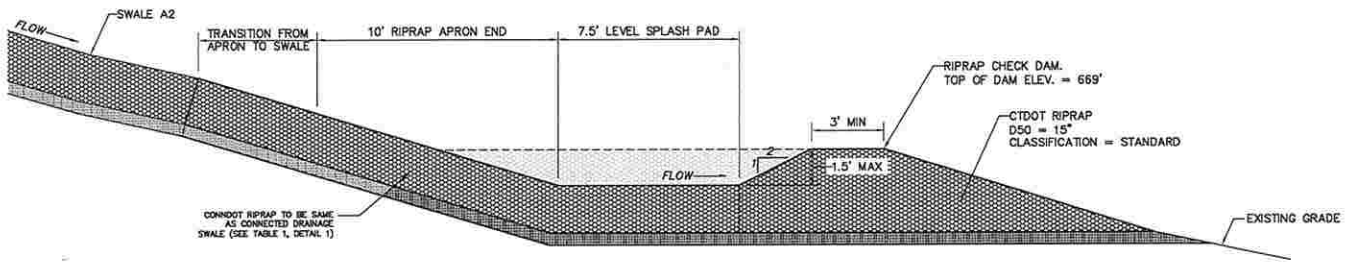
1 RIPRAP ARMORED DRAINAGE SWALE
SCALE: N.T.S.



2 RIP RAP APRON END
SCALE: N.T.S.



3 RIP RAP CHECK DAM
SCALE: N.T.S.



4 SWALE A2 OUTFALL
SCALE: N.T.S.

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	BY: JDM	CHK: DPA	APP'D: JPS

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LITCHFIELD COUNTY

SHEET TITLE
DRAINAGE DETAILS

SHEET NUMBER
FIGURE 6

Comparative Visual Resource Evaluation Report

Proposed Wireless Telecommunications Facility

Falls Village

8 Barnes Road
Canaan, Connecticut

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

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

August 2010

Visual Resource Evaluation

New Cingular Wireless PCS, LLC seeks approval from the Connecticut Siting Council for a Certificate of Environmental Compatibility and Public Need for the construction of a wireless telecommunications facility ("Facility") to be located on property at 8 Barnes Road in the Town of Canaan, Connecticut (identified herein as the "host property"). This Visual Resource Evaluation was conducted to evaluate the visibility of the proposed Facility within a two-mile radius ("Study Area"). Currently, heights of 130 feet above ground level (AGL) and 150 feet AGL are under consideration for the proposed Facility. As such, both of these heights have been included in this analysis for comparative purposes. Attachment A contains a map that depicts the location of the proposed Facility and the limits of the Study Area.

Project Introduction

Currently, the proposed Facility would include the installation of either a 130-foot tall monopole or 150-foot tall monopole with associated ground equipment to be located within a fence-enclosed compound at the base of the tower structure. The proposed project area is located at approximately 1,182 feet Above Mean Sea Level (AMSL). Access to the proposed Facility would follow an existing woods road currently located on the host property (to be improved).

Site Description and Setting

Identified in the Town of Canaan Tax Assessor's records as parcel Map 5/Lot 60, the host property consists of approximately 24.65 acres of land and is currently occupied by a seasonal hunting cabin and an associated storage shed. Other portions of the host property are undeveloped and heavily wooded. The proposed Facility is located on the northwest portion host property, roughly 400 feet to the northwest of the existing cabin. Land use within the general vicinity of the proposed Facility and host property consists primarily of undeveloped woodlands, low-density residential development and agricultural land with an existing Connecticut Light and Power overhead electrical utility right-of-way that traverses the southern portion of the Study Area. In total, the Study Area features approximately 44 linear miles of roadways, including portions of Route 7, Route 63 and Route 126.

The topography within the Study Area is characterized by steep hills and several north-south ridgelines with ground elevations that range from approximately 560 feet AMSL to nearly 1,700 feet AMSL. The Study Area contains approximately 27 acres of surface water that includes portions of the Hollenbeck River located to the northwest of the proposed Facility and Childs Pond and Camp Freedman Pond both located to the southwest. The Robbins Swamp Wildlife Area, Page Street Swamp and several unnamed swamps are also included in the Study Area. Surface water associated with these areas varies seasonally and has therefore not been included in the 27-acre total for the Study Area. The tree cover within the Study Area consists of mixed deciduous hardwood species and occupies approximately 6,078 acres of the 8,042-acre study area (76%). During the in-field activities associated with this analysis,

a laser range finder was used to determine the average tree canopy height throughout the Study Area. Numerous trees were selected for measurement and the average tree canopy was determined to be 65 feet.

■

METHODOLOGY

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

Visibility Analysis

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

Once the data are entered, a series of constraints are applied to the computer model to achieve an estimate of where the Facility will be visible. Initially, only topography was used as a visual constraint; the tree canopy is omitted to evaluate all areas of potential visibility without any vegetative screening. Although this is an overly conservative prediction, the initial omission of these layers assists in the evaluation of potential seasonal visibility of the proposed Facility. A conservative tree canopy height of 50 feet is then used to prepare a preliminary viewshed map for use during the Study Area reconnaissance. The average height of the tree canopy was determined in the field using a laser range finder. The average tree canopy height is incorporated into the final viewshed map; in this case, 65 feet was identified as the average tree canopy height. The forested areas within the Study Area were then overlaid on the DEM with a height of 65 feet added and the visibility calculated. As a final step, the forested areas are extracted from the areas of visibility, with the assumption that a

person standing among the trees will not be able to view the Facility beyond a distance of approximately 500 feet. Depending on the density of the vegetation in these areas, it is assumed that some locations within this range will provide visibility of at least portions of the Facility based on where one is standing.

Also included on the map is a data layer, obtained from the State of Connecticut Department of Environmental Protection ("CTDEP"), which depicts various land and water resources such as parks and forests, recreational facilities, dedicated open space, CTDEP boat launches and other categories. Lastly, based on a review of information published by the Connecticut Department of Transportation (ConnDOT) and discussions with municipal officials in Canaan, VHB has determined that the approximate four-mile segment of Route 7 that traverses the Study Area is a state-designated Scenic Roadway.

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

Balloon Float and Study Area Reconnaissance

On June 30, 2010 Vanasse Hangen Brustlin Inc., (VHB) conducted a balloon float at the proposed Facility location to further evaluate the potential viewshed within the Study Area. The balloon float consisted of raising and maintaining two four-foot diameter, helium-filled weather balloons at the proposed site location at a heights of 130 feet and 150 feet. Once the balloons were secured, VHB staff conducted a drive-by reconnaissance along the roads located within the Study Area to evaluate the results of the preliminary viewshed map and to document where the balloons were, and were not, visible above and/or through the tree canopy. During the balloon float, the temperature was approximately 80 degrees Fahrenheit with calm wind conditions and partly cloudy skies.

Photographic Documentation

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

View	Location	Orientation	Dist. To Site	Visibility
1	Route 7 north of Under Mountain Road	Southeast	± 1.59-Mile	Year-Round
2	Route 7 adjacent to Robbins Swamp Wildlife Area	Southeast	± 1.04-Mile	Year-Round
3	Route 7 adjacent to Robbins Swamp Wildlife Area	Southeast	± 0.82-Mile	Year-Round
4	Route 7 north of Route 63	Southeast	± 0.58-Mile	Year-Round
5	Adjacent to #55 Page Road	Southeast	± 1.13-Mile	Year-Round
6	Adjacent to #15 Page Road	Southeast	± 0.97-Mile	Year-Round
7	Route 126 south of Page Road	Southeast	± 1.76-Mile	Year-Round
8	Route 126 southeast of Route 7	Northeast	± 1.33-Mile	Year-Round
9	Route 126 southeast of Amy Road	Northeast	± 0.77-Mile	Year-Round
10	Johnson Road southwest of Route 126	Northeast	± 0.87-Mile	Year-Round
11	Route 126 at existing electrical utility right-of-way	Northeast	± 0.67-Mile	Year-Round
12	Adjacent to #216 Route 126	Northeast	± 0.66-Mile	Year-Round
13	Route 126 west of Route 63	Northwest	± 0.77-Mile	Year-Round
14	Adjacent to #110 Music Mountain Road	Northwest	± 1.83-Mile	Year-Round
15	Music Mountain Road south of Route 63	Northwest	± 0.93-Mile	Year-Round
16	Adjacent to #167 Route 63	Northwest	± 1.05-Mile	Year-Round
17	Route 63 at Music Mountain Road	Northwest	± 0.85-Mile	Year-Round
18	Town of Canaan Recreation Center	Northeast	± 0.51-Mile	Year-Round
19	Under Mountain Road	Southwest	± 1.13-Mile	Year-Round
20	Adjacent to #41 Under Mountain Road	Southwest	± 1.17-Mile	Year-Round
21	Adjacent to #37 Under Mountain Road	Southwest	± 1.19-Mile	Year-Round
22	Under Mountain Road	Southwest	± 1.30-Mile	Year-Round *(150' Only)*
23	Route 7	Southeast	± 0.87-Mile	Year-Round
24	Barnes Road at South Canaan Meeting House	Southeast	± 0.48-Mile	Not Visible
25	Route 7	East	± 1.00-Mile	Not Visible
26	Main Street	Northeast	± 1.96-Mile	Not Visible
27	Route 126	East	± 1.71-Mile	Not Visible
28	Barnes Road	Southwest	± 0.89-Mile	Not Visible

Photographs of the balloon from the view points listed above were taken with a Nikon D-80 digital camera body and 50mm lens. "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.[1]"

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

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

Photographic Simulation

Photographic simulations were generated for the twenty-eight locations identified above. The photographic simulations represent a scaled depiction of the proposed Facility (a monopole) from these locations. In order to generate the simulations, VHB developed a three dimensional model of the Study Area and proposed monopole which allows for the correct visual aspect, scale and vertical placement of the Facility from each of the photographic locations. As an additional measure, the height of the Facility is verified based on the location of the balloon in the corresponding photographs. The simulations are contained in Attachment A.

CONCLUSIONS

Based on this analysis, areas from where the proposed 130-foot tall or 150-foot tall Facility would be visible above the tree canopy comprise approximately 484 acres and 513 acres within the 8,042-acre Study Area, respectively. As depicted on the viewshed map (provided in Attachment B), the majority of the anticipated year-round visibility associated with either height occurs over several of the low-laying swamps north and west of the proposed Facility. This mainly includes portions of Robbins Swamp, Page Road Swamp and Hollenbeck River wetlands where little vegetative screening is available. Year-round visibility from these areas accounts for roughly 350 acres of the 484-acre total at 130 feet AGL (72%) and approximately 369 acres of the 513-acre total at 150 feet AGL (72%). The remaining areas of year-round visibility depicted on the map are generally located along and adjacent to select portions of Page Road, Under Mountain Road, Music Mountain Road, Route 7, Route 63 and Route 126. Additional areas of potential year-round visibility are depicted on private/inaccessible properties and could therefore not be evaluated during the balloon float. Given the ground elevation of the proposed Facility in comparison to the surrounding low-laying areas, potential views of the monopole would generally be at distances of 0.50-mile or more. Potential year-round views from other locations within the Study Area are significantly minimized or eliminated as a result of the intervening topography and/or abundance of vegetative screening contained therein. The predictive computer model and in-field analysis conducted by VHB indicates little appreciable difference in the overall visibility associated with a 130-foot tall monopole in comparison to a 150-foot tall monopole. VHB estimates that select portions of approximately nineteen (19) residential properties may have at least partial year-round views of the proposed Facility at either height. This includes two (2) residences located along Page Road; four (4) residences located along Route 126; seven (7) residences located along Under Mountain Road; five (5) residences located along Route 63 and 1 (1) residence located along Music Mountain Road. A majority of the residential properties located along Route 63 and Route 126 where year-round views of the proposed Facility are anticipated currently have views of the existing Connecticut Light and Power overhead electrical utility infrastructure. VHB also evaluated potential visibility from three properties located within Falls Village that are currently listed on the National Register of Historic Places. These properties include the South Canaan Meeting House, located approximately 0.48-mile to the northwest of the proposed Facility; The Holabird House located roughly 1.10-

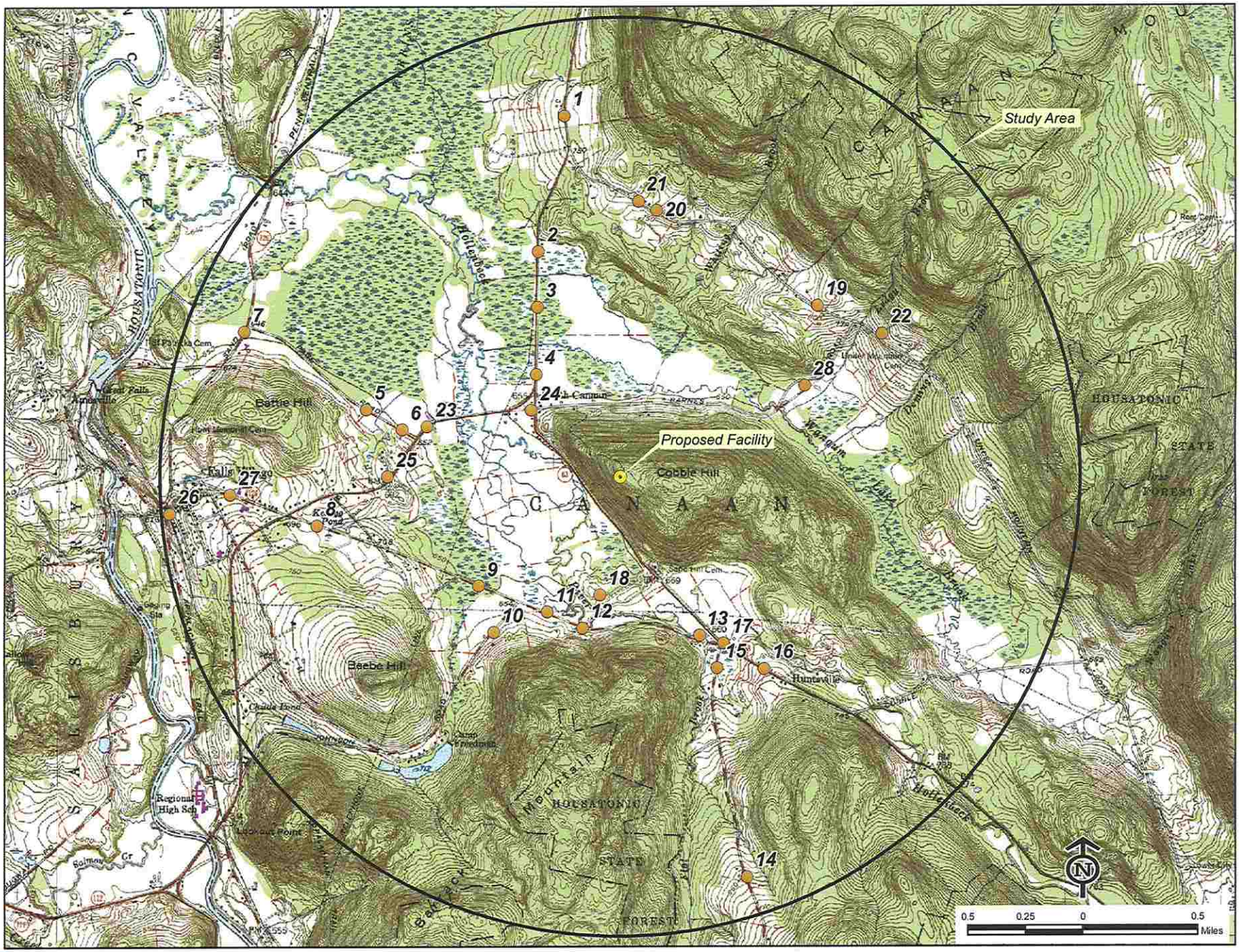
miles to the southwest; and Music Mountain which is located outside of the Study Area (approximately 2.53-miles south of the proposed Facility). No views of the proposed Facility are anticipated from the South Canaan Meeting House (as depicted in View 24) or Music Mountain. The viewshed modeling, conducted as part of this analysis, depicts a limited area of potential year-round visibility on a small portion of the Holabird House property. Such views, if achieved, would be somewhat distant (over one mile from the proposed Facility) and confined to an open area of the rear yard. Since this area is located on private property, it was unavailable to VHB field personnel for evaluation during the June 30, 2010 balloon float.

The viewshed map also depicts several additional areas where seasonal (i.e. during "leaf off" conditions) views are anticipated through the deciduous trees. These areas comprise approximately 150 acres and include select portions of Route 7 to the north/northwest of the proposed Facility (extending into the adjacent swamp areas) and Page Road west of Route 7 and south of the site in the general vicinity of the Route 7/Music Mountain Road intersection. VHB estimates that seasonal views of the proposed Facility may be achieved from approximately five (5) additional residential properties within the Study Area. This includes one (1) residence located along Page Road and four (4) residences located along Under Mountain Road. No seasonal views are anticipated from any of the three National Register properties identified above.

Attachment A

Photolog Documentation Map, Balloon Float Photographs, and Photographic Simulations

PHOTOLOG MAP



PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
1	ROUTE 7 NORTH OF UNDER MOUNTAIN ROAD	SOUTHEAST	1.59 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
1	ROUTE 7 NORTH OF UNDER MOUNTAIN ROAD	SOUTHEAST	1.59 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
1	ROUTE 7 NORTH OF UNDER MOUNTAIN ROAD	SOUTHEAST	1.59 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
2	ROUTE 7 ADJACENT TO ROBBINS SWAMP WILDLIFE AREA	SOUTHEAST	1.04 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
2	ROUTE 7 ADJACENT TO ROBBINS SWAMP WILDLIFE AREA	SOUTHEAST	1.04 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
2	ROUTE 7 ADJACENT TO ROBBINS SWAMP WILDLIFE AREA	SOUTHEAST	1.04 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
3	ROUTE 7 ADJACENT TO ROBBINS SWAMP WILDLIFE AREA	SOUTHEAST	0.82 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
3	ROUTE 7 ADJACENT TO ROBBINS SWAMP WILDLIFE AREA	SOUTHEAST	0.82 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
3	ROUTE 7 ADJACENT TO ROBBINS SWAMP WILLIAMS AREA	SOUTHEAST	0.82 MILE +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

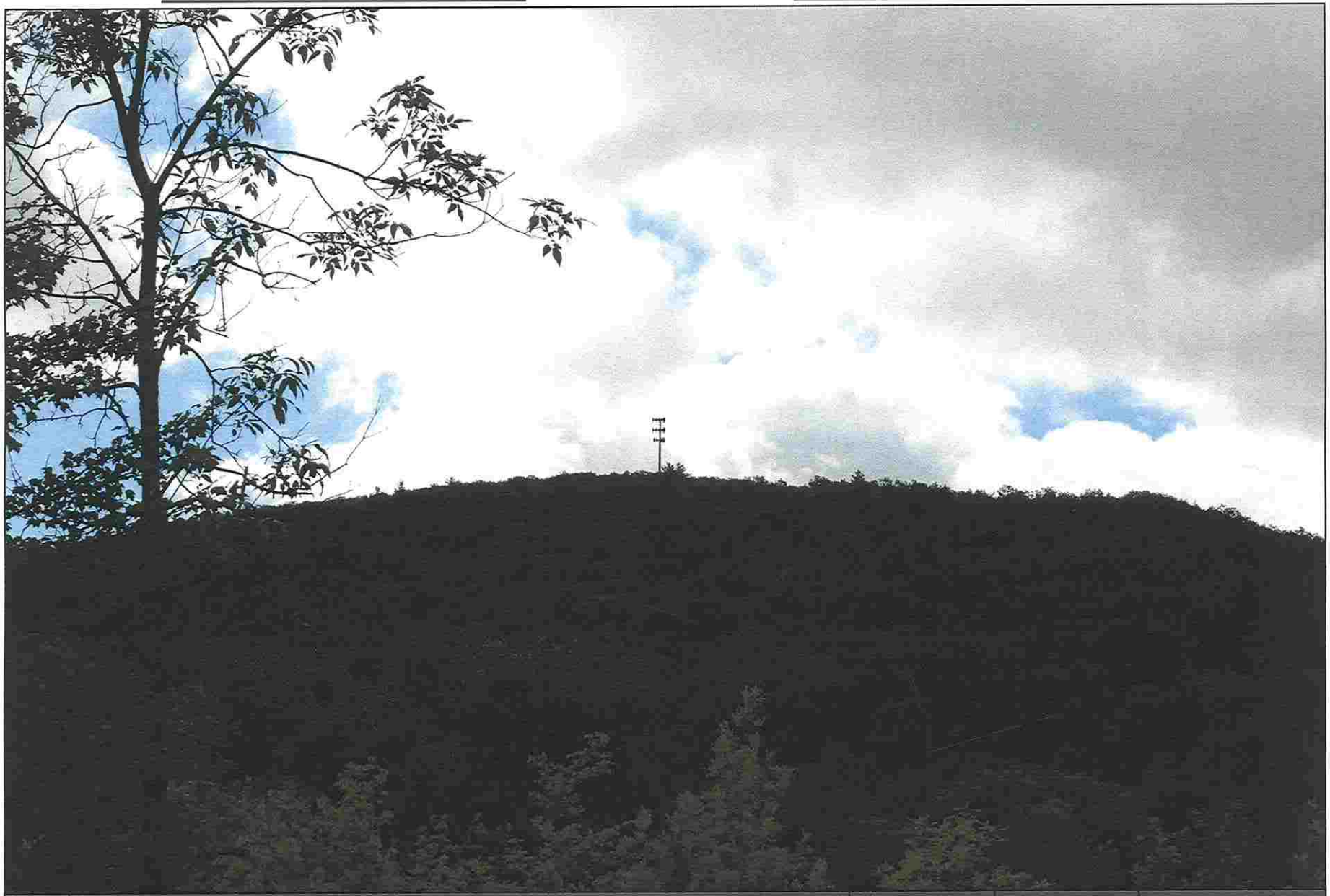
VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
4	ROUTE 7 NORTH OF ROUTE 63	SOUTHEAST	0.58 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION



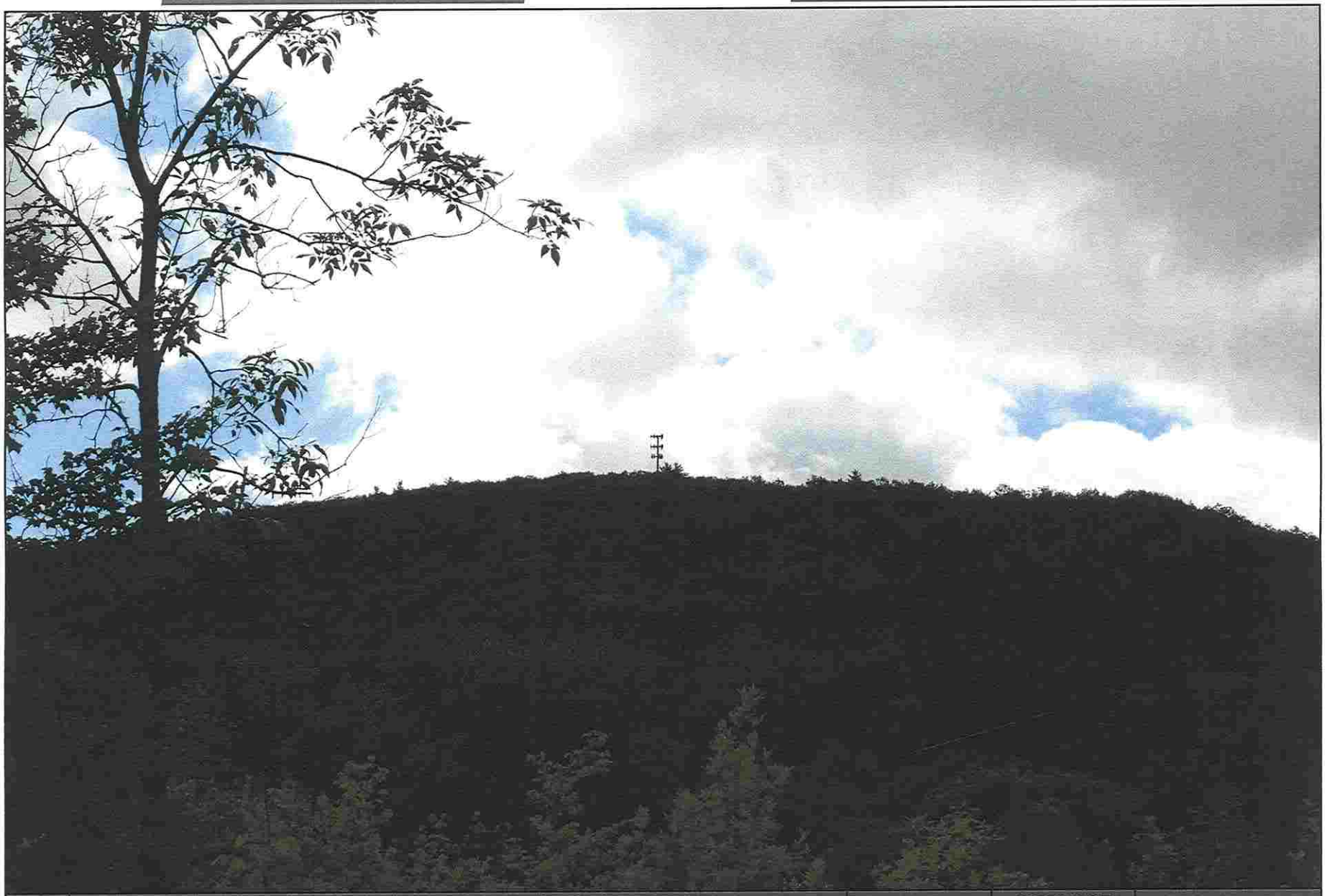
VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
4	ROUTE 7 NORTH OF ROUTE 63	SOUTHEAST	0.58 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION



VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
4	ROUTE 7 NORTH OF ROUTE 63	SOUTHEAST	0.58 MILE +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
5	ADJACENT TO #55 PAGE ROAD	SOUTHEAST	1.13 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
5	ADJACENT TO #55 PAGE ROAD	SOUTHEAST	1.13 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
5	ADJACENT TO #55 PAGE ROAD	SOUTHEAST	1.13 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
6	ADJACENT TO #15 PAGE ROAD	SOUTHEAST	0.97 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
6	ADJACENT TO #15 PAGE ROAD	SOUTHEAST	0.97 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
6	ADJACENT TO #15 PAGE ROAD	SOUTHEAST	0.97 MILE +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
7	ROUTE 126 SOUTH OF PAGE ROAD	SOUTHEAST	1.76 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
7	ROUTE 126 SOUTH OF PAGE ROAD	SOUTHEAST	1.76 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
7	ROUTE 126 SOUTH OF PAGE ROAD	SOUTHEAST	1.76 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
8	ROUTE 126 SOUTHEAST OF ROUTE 7	NORTHEAST	1.33 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
8	ROUTE 126 SOUTHEAST OF ROUTE 7	NORTHEAST	1.33 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
8	ROUTE 126 SOUTHEAST OF ROUTE 7	NORTHEAST	1.33 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
9	ROUTE 126 SOUTHEAST OF AMY ROAD	NORTHEAST	0.77 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
9	ROUTE 126 SOUTHEAST OF AMY ROAD	NORTHEAST	0.77 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
9	ROUTE 126 SOUTHEAST OF AMY ROAD	NORTHEAST	0.77 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
10	JOHNSON ROAD SOUTHWEST OF ROUTE 126	NORTHEAST	0.87 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
10	JOHNSON ROAD SOUTHWEST OF ROUTE 126	NORTHEAST	0.87 MILE +/-	YEAR-ROUND

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
10	JOHNSON ROAD SOUTHWEST OF ROUTE 126	NORTHEAST	0.87 MILE +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
11	ROUTE 126 AT EXISTING ELECTRICAL UTILITY RIGHT-OF-WAY	NORTHEAST	0.67 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

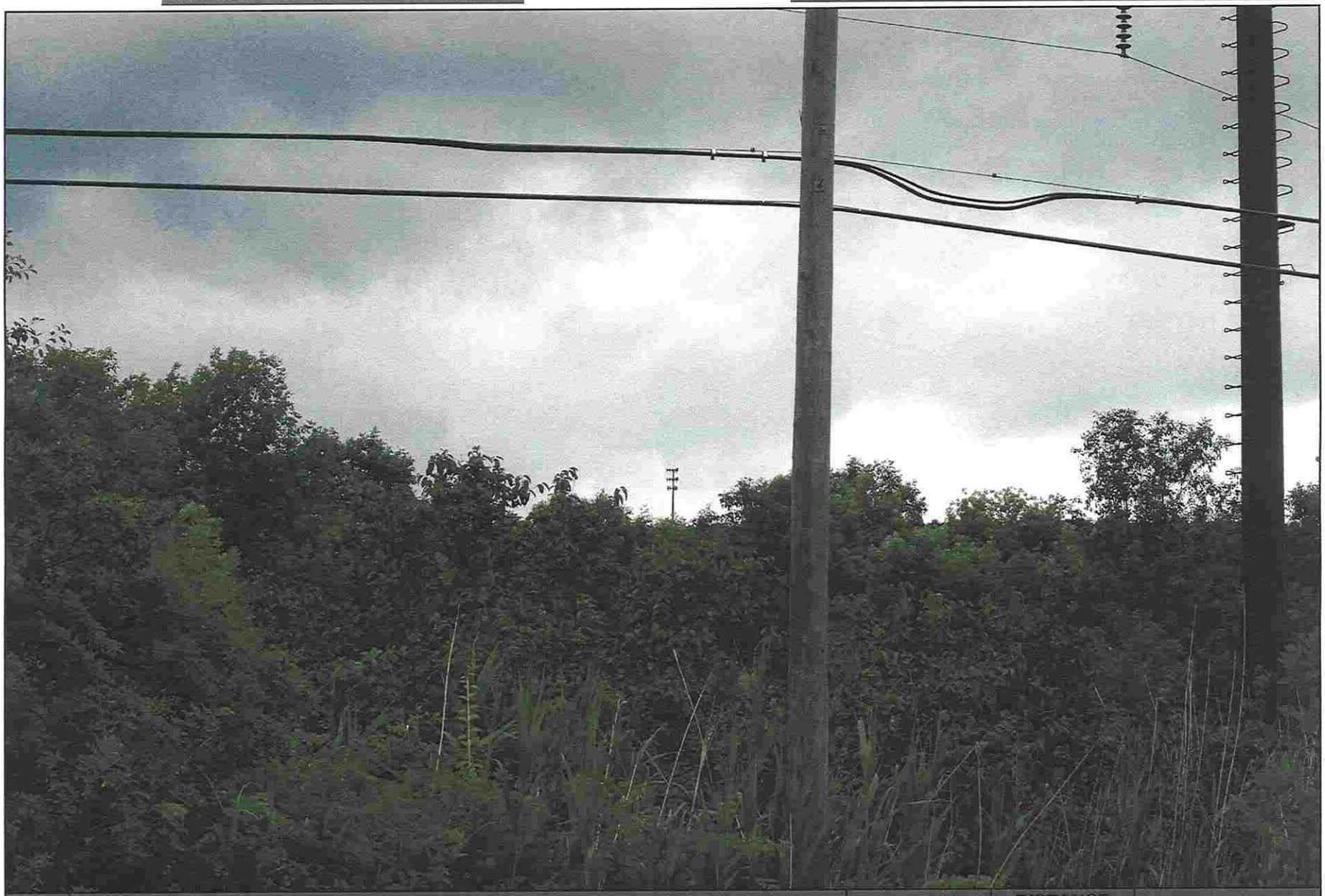
VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
11	ROUTE 126 AT EXISTING ELECTRICAL UTILITY RIGHT-OF-WAY	NORTHEAST	0.67 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION



VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
11	ROUTE 126 AT EXISTING ELECTRICAL UTILITY RIGHT-OF-WAY	NORTHEAST	0.67 MILE +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
12	ADJACENT TO #216 ROUTE 126	NORTHEAST	0.66 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
12	ADJACENT TO #216 ROUTE 126	NORTHEAST	0.66 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
12	ADJACENT TO #216 ROUTE 126	NORTHEAST	0.66 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
13	ROUTE 126 WEST OF ROUTE 63	NORTHWEST	0.77 MILE +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
13	ROUTE 126 WEST OF ROUTE 63	NORTHWEST	0.77 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
13	ROUTE 126 WEST OF ROUTE 63	NORTHWEST	0.77 MILE +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
14	ADJACENT TO #110 MUSIC MOUNTAIN ROAD	NORTHWEST	1.83 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
14	ADJACENT TO #110 MUSIC MOUNTAIN ROAD	NORTHWEST	1.83 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
14	ADJACENT TO #110 MUSIC MOUNTAIN ROAD	NORTHWEST	1.83 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
15	MUSIC MOUNTAIN ROAD SOUTH OF ROUTE 63	NORTHWEST	0.93 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
15	MUSIC MOUNTAIN ROAD SOUTH OF ROUTE 63	NORTHWEST	0.93 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
15	MUSIC MOUNTAIN ROAD SOUTH OF ROUTE 63	NORTHWEST	0.93 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
16	ADJACENT TO #167 ROUTE 63	NORTHWEST	1.05 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
16	ADJACENT TO #167 ROUTE 63	NORTHWEST	1.05 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
16	ADJACENT TO #167 ROUTE 63	NORTHWEST	1.05 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
17	ROUTE 63 AT MUSIC MOUNTAIN ROAD	NORTHWEST	0.85 MILE +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
17	ROUTE 63 AT MUSIC MOUNTAIN ROAD	NORTHWEST	0.85 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
17	ROUTE 63 AT MUSIC MOUNTAIN ROAD	NORTHWEST	0.85 MILE +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
18	TOWN OF CANAAN RECREATION CENTER	NORTHEAST	0.51 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
18	TOWN OF CANAAN RECREATION CENTER	NORTHEAST	0.51 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
18	TOWN OF CANAAN RECREATION CENTER	NORTHEAST	0.51 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
19	UNDER MOUNTAIN ROAD	SOUTHWEST	1.13 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
19	UNDER MOUNTAIN ROAD	SOUTHWEST	1.13 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
19	UNDER MOUNTAIN ROAD	SOUTHWEST	1.13 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
20	ADJACENT TO #41 UNDER MOUNTAIN ROAD	SOUTHWEST	1.17 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
20	ADJACENT TO #41 UNDER MOUNTAIN ROAD	SOUTHWEST	1.17 MILES +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
20	ADJACENT TO #41 UNDER MOUNTAIN ROAD	SOUTHWEST	1.17 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
21	ADJACENT TO #37 UNDER MOUNTAIN ROAD	SOUTHWEST	1.19 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
21	ADJACENT TO #37 UNDER MOUNTAIN ROAD	SOUTHWEST	1.19 MILES +/-	YEAR-ROUND

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
21	ADJACENT TO #37 UNDER MOUNTAIN ROAD	SOUTHWEST	1.19 MILES +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
22	UNDER MOUNTAIN ROAD	SOUTHWEST	1.30 MILES +/-	YEAR-ROUND

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
22	UNDER MOUNTAIN ROAD	SOUTHWEST	1.30 MILES +/-	YEAR-ROUND

Note: 130' Monopole would not be visible from this location

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
23	ROUTE 7	SOUTHEAST	0.87 MILE +/-	YEAR-ROUND

AT&T

VHB

MONOPOLE - 150 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
23	ROUTE 7	SOUTHEAST	0.87 MILE +/-	YEAR-ROUND

MONOPOLE - 130 FT

PHOTOGRAPHIC SIMULATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
23	ROUTE 7	SOUTHEAST	0.87 MILE +/-	YEAR-ROUND

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
24	SOUTH CANAAN MEETING HOUSE	SOUTHEAST	0.48 MILES +/-	NON-VISIBLE

AT&T

VHB

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
25	ROUTE 7	EAST	1.00 MILE +/-	NON-VISIBLE

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
26	MAIN STREET	NORTHEAST	1.96 MILES +/-	NON-VISIBLE

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
27	ROUTE 126	EAST	1.71 MILES +/-	NON-VISIBLE

PHOTOGRAPHIC DOCUMENTATION

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
28	BARNES ROAD	SOUTHWEST	0.89 MILE +/-	NON-VISIBLE

Attachment B

Viewshed Map

Comparative Viewshed Analysis
130 Feet and 150 Feet
Proposed AT&T Facility
Telecommunications Facility
8 Barnes Road
Falls Village, Connecticut

NOTE:
- Viewshed analysis conducted using ESRI's Spatial Analyst.
- Facility heights are 130 feet and 150 feet AGL.
- Existing tree canopy height estimated at 65 feet.
- Study Area is comprised of a two-mile radius surrounding the proposed facility and includes 8,042 acres of land.

DATA SOURCES:
- Digital elevation model (DEM) derived from Connecticut LiDAR-based Digital Elevation Data (collected in 2000) with a 10-foot spatial resolution produced by the University of Connecticut and the Center for Land Use Education and Research (CLEAR); 2007
- Forest areas derived from 2008 digital orthophotos with 1-meter pixel resolution; digitized by VHB, 2010
- Base map comprised of Sharon and South Canaan (1969) USGS Quadrangle Maps
- Municipal and Private Open Space data layer provided by CT DEP, 1997
- Federal Open Space data layer provided by CT DEP, 2004
- CT DEP Property data layer provided by CT DEP, April 2010
- CT DEP Protected Open Space Mapping (POSM) data layer provided by CT DEP, Dec 2009
- CT DEP boat launches data layer provided by CT DEP, Dec 2009
- Scenic Roads layer derived from available State and Local listings

Map Compiled July, 2010

Legend

- Proposed Tower Location

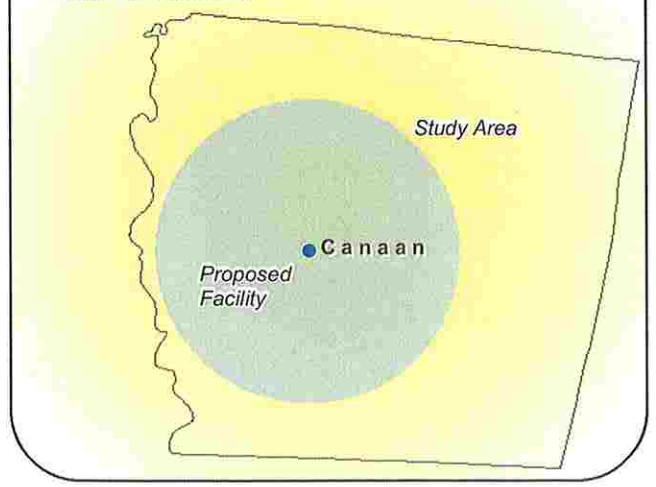
Photographs - June 30, 2010
- Balloon is not visible
- Balloon visible above trees

- Year-Round Visibility At 130' AGL (Approximately 484 acres)
- Year-Round Visibility At 150' AGL (Approximately 513 acres)
- Seasonal Visibility At 130' and 150' AGL (Approximately 150 acres)

- Protected Municipal and Private Open Space (CT DEP, 1997)
  - Cemetery
  - Preservation
  - Conservation
  - Existing Preserved Open Space
  - Recreation
  - General Recreation
  - School
  - Uncategorized

- CT DEP Property (CT DEP, May 2010)
  - State Forest
  - State Park
  - DEP Owned Waterbody
  - State Park Scenic Reserve
  - Historic Preserve
  - Natural Area Preserve
  - Fish Hatchery
  - Flood Control
  - Other
  - State Park Trail
  - Water Access
  - Wildlife Area
  - Wildlife Sanctuary
- Protected Open Space Mapping (POSM) Area (CT DEP, Dec 2009)
- Federal Open Space (CT DEP, 2004)
- National Register of Historic Places
- Boat Launches (CT DEP, Dec 2009)
- Scenic Road (State and Local)
- Appalachian Trail
- Town Line

Inset Map
Town of Canaan



VHB at&t

Transportation
Land Development
Environmental
Services

imagination | innovation | energy Creating results for our clients and benefits for our communities

Vanasse Hangen Brustlin, Inc.

October 14, 2010

Ref: 41502.06

David Vivian
New Cingular Wireless PCS, LLC
500 Enterprise Drive, Suite 3A
Rocky Hill, CT 06067

Re: NEPA Compliance Documentation
Proposed AT&T Wireless Telecommunications Facility
SR-2413 - Falls Village
8 Barnes Road
Falls Village, Connecticut

Dear Mr. Vivian:

Vanasse Hangen Brustlin, Inc. (VHB) has been retained by New Cingular Wireless PCS, LLC ("AT&T") to review environmental resource information outlined in 47 CFR Ch.1 § 1.1307 sections (a) and (b) for environmental consequences pursuant to the Federal Communications Commission ("FCC or Commission") requirements. AT&T is proposing to construct a new telecommunications facility situated on portions of property located at 8 Barnes Road in Falls Village, Connecticut. The proposed facility will consist of a ±150-foot tall monopole tower, antennas, and associated ground equipment within a fenced-enclosed compound area. AT&T antennas will be attached to the monopole and associated ground equipment will be installed at its base. The proposed 20' wide access/utilities easement will be improved along the existing access road on the subject property, initiating off of Barnes Road and continuing in a southeasterly direction toward the proposed compound/lease area. Specifically, VHB reviewed source information outlined below to determine if the proposed facility will be located in an environmentally sensitive area.

National Environmental Policy Act (NEPA) Requirements

As a licensing agency, the FCC complies with NEPA by requiring its licensees to review their proposed actions for environmental consequences. Rules implementing NEPA are found at Title 47 of the Code of Federal Regulations (CFR), Part 1, Subpart I, rule sections 1.1301 to 1.1319.

Section 1.1305 of these rules states that the Commission "has found no common pattern which would enable it to specify" any particular Commission action as a "major action" under NEPA. Thus, section 1.1306 of the rules "categorically excluded from environmental processing" all Commission actions except for those specifically identified in section 1.1307. If a licensee's proposed action falls within one of the categories of 1.1307, section 1.1308(a) requires the licensee to consider the potential environmental effects from its construction of antenna facilities or structures, and disclose those effects in an environmental assessment (EA) which is filed with the Commission for review.

54 Tuttle Place
Middletown, Connecticut 06457-1847
860.632.1500 ▪ FAX 860.632.7879
email: info@vhb.com
www.vhb.com

VHB has reviewed the following source information for identification, location, and impacts to environmentally sensitive areas:

1. **Officially designated wilderness areas** - State of Connecticut, Department of Environmental Protection (CTDEP) Geographic Information System (GIS) data layers, and United States Department of the Interior – Fish and Wildlife Service (USF&WS), New England Field Office. See attached NEPA Screen Map prepared by VHB and number 3 of this list regarding USF&WS review.

2. **Officially designated wildlife preserve** – CTDEP GIS data layers, CTDEP Natural Resources Center and USF&WS, New England Field Office. See attached NEPA screen map and number 3 of this list regarding USF&WS review.

3. **Threatened or Endangered Species or designated critical habitats** – CTDEP GIS data layers, CTDEP Natural Resources Center and CTDEP Natural Diversity Data Base (NDDB), and USF&WS, New England Field Office. See attached NEPA screen map and letter from CTDEP. Due to the rapid expansion of the telecommunications industry, the USF&WS New England Field Office has determined that individual project review for certain types of activities associated with communication towers is not required. In accordance with current review procedures, VHB personnel evaluated the project area with respect to possible federally-listed, threatened or endangered species in order to determine if the proposed communications facility would result in a potential effect to federally-listed species identified for the town of Falls Village in Litchfield County, Connecticut. Based on the information currently available, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the USF&WS are known to occur in the project area. Preparation of a Biological Assessment or further consultation with USF&WS under Section 7 of the Endangered Species Act is not required. Please see attached USFWS Compliance Determination memo report prepared by VHB dated October 4, 2010.

4. **National Register of Historic Places** – State of Connecticut Commission on Culture & Tourism, State Historic Preservation Office (SHPO); National Register and Reported Archeological Sites Connecticut GIS data layer provided by Heritage Consultants, LLC; and public notice. As part of the public notice, VHB submitted notification of the proposed project to the Town of Falls Village First Selectman and the Canaan Historical Society on August 6, 2010. In addition, a legal notice was published in the *Lakeville Journal* on August 12, 2010. See attached NEPA screen map prepared by VHB, SHPO "no effect" letter and a copy of the public notice documents.

5. **Indian Religious Sites** - State of Connecticut Commission on Culture & Tourism, SHPO, National Register and Reported Archeological Sites Connecticut GIS data layers (refer to attached NEPA Screen Map) and *Preliminary Archeological Assessment* (report attached) provided by Heritage Consultants, LLC, and all interested Native American Tribes (NAT) and/or Native Hawaiian Organizations (NHO) identified on FCC's online Tower Construction Notification System (TCNS). The proposed project area is not located on an American Indian federal reservation trust land; thus, consultation with the United States Department of Interior Bureau of Indian Affairs (BIA) is not necessary. VHB posted the proposed project on FCC's TCNS website on August 5, 2010 (TCNS #66731). As identified via TCNS, VHB consulted with the Mashantucket Pequot Tribe, Stockbridge Munsee Band of Mohican Indians and the Narragansett Indian Tribe. VHB obtained clearance from the Mashantucket Pequot Tribe (refer to attached email.) The Narragansett Indian Tribe and Stockbridge Munsee Band of Mohican Indians have been contacted twice by VHB and subsequently referred to the FCC on September 21, 2010 for final consultation. The Tribes had 20 calendar days from the date the FCC emailed them (September 23, 2010) to respond with interest in reviewing the proposed project area (email attached). The allocated 20

calendar day period has expired and the Tribes have not responded with an interest in reviewing the project. As a result, VHB has fulfilled our obligations under Section IV of the NPA with respect to both the Narragansett Indian Tribe and Stockbridge Munsee Band of Mohican Indians. No further review is required. Refer to the attached TCNS email documentation. Please note that in the unlikely event that tribal artifacts or human remains are encountered during construction activities, excavation is required to be halted immediately and the appropriate NATs and SHPO are to be contacted as pursuant to Title 47 CFR Sec. 1.1312 of the Commission's rules.

6. **Flood Plain** – Flood Insurance Rate Maps (FIRM) by Federal Emergency Management Agency (FEMA) Federal Insurance Administration, Office of Risk Assessment 50 C Street, SW Washington, DC 20472; CTDEP GIS data layer. The proposed Site is located outside of 100-year and 500-year floodplains. See attached Flood Insurance Rate Map Community-Panel Number 0900440012B dated September 2, 1988.

7. **Significant change in surface features** – Based on field observations and information provided by AT&T and its contractors, the proposed activity by AT&T does not appear to involve a significant change in surface features or result in wetland fill, deforestation or water diversion. See attached Wetlands Inspection Report dated August 25, 2010 prepared by VHB.

8. **High Intensity white lights located in residential neighborhoods** – VHB understands that no lighting is required on this facility.

Based on the information currently available, VHB has found **that the proposed facility does not pose a potential adverse impact to any of the listed categories of Section 1.1307 under NEPA (see attached NEPA checklist)**. The NEPA checklist, NEPA screen map, (which outlines the location of the Site and the location of the environmental resources), agency correspondence, above mentioned reports/memos and current Site Plans are attached to this letter.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

Coreen Kelsey

Coreen Kelsey
Environmental Coordinator

Attachments

NEPA ENVIRONMENTAL AFFECTS CHECKLIST SOURCE INFORMATION FORM

Site Name: Falls Village/Canaan	**Site No.:** SR-2413	**Initials:** CK	**Date:** 10/14/10

1. **Is the site located in an officially designated wilderness area?** ***NO***

   Information Source

   Reviewed Connecticut Department of Environmental Protection (CTDEP) GIS data layers and United States Department of Interior – Fish and Wildlife Service (USF&WS), New England Field Office.

2. **Is the site located in an officially designated wildlife preserve?** ***NO***

   Information Source

   Reviewed CTDEP GIS data layers and CTDEP Natural Resources Center and USF&WS, New England Field Office.

3. **Will the facility affect listed threatened or endangered species or designated critical habitats?** ***NO***

   Information Source

   Reviewed CTDEP GIS data layers, CTDEP Natural Resources Center and CTDEP Natural Diversity Data Base (NDDB), and USF&WS, New England Field Office. (See attached CTDEP NDDB response letter dated September 2, 2010 and VHB's USF&WS Compliance Determination memo dated October 4, 2010.)

4. **Will the facility be located in, on, or within the viewshed of a building, site, district, structure or object, significant in American history, architecture, archeology, engineering or culture, that is listed, or eligible for listing on the State or National Registers of Historic Places?** ***NO***

   Information Source

   Consultation with State Historic Preservation Officer (SHPO) and Public Notice fulfillment (See attached SHPO "no effect" letter and public notice documents.)

5. **Will the facility affect an Indian religious site?** ***NO***

   Information Source

   Consultation with Native American Tribes (NATs), and/or Native Hawaiian Organizations (NHOs) via the Tower Construction Notification System (TCNS) website. VHB obtained clearance from the Mashantucket Pequot Tribe (refer to attached email). The Narragansett Indian Tribe and Stockbridge Munsee Band of Mohican Indians have been contacted twice by VHB and subsequently referred to the FCC on September 21, 2010 for final consultation. The Tribes had 20 calendar days from the date the FCC emailed them (September 23, 2010) to respond with interest in reviewing the proposed project area (email attached). The allocated 20 calendar day period has expired and the Tribes have not responded with an interest in reviewing the project. As a result, VHB has fulfilled our obligations under Section IV of the NPA with respect to both the Narragansett Indian Tribe and Stockbridge Munsee Band of Mohican Indians. No further review is required. Refer to the attached TCNS email documentation.

6. **Is the site located on a "floodplain"?** ***NO***

   Information Source

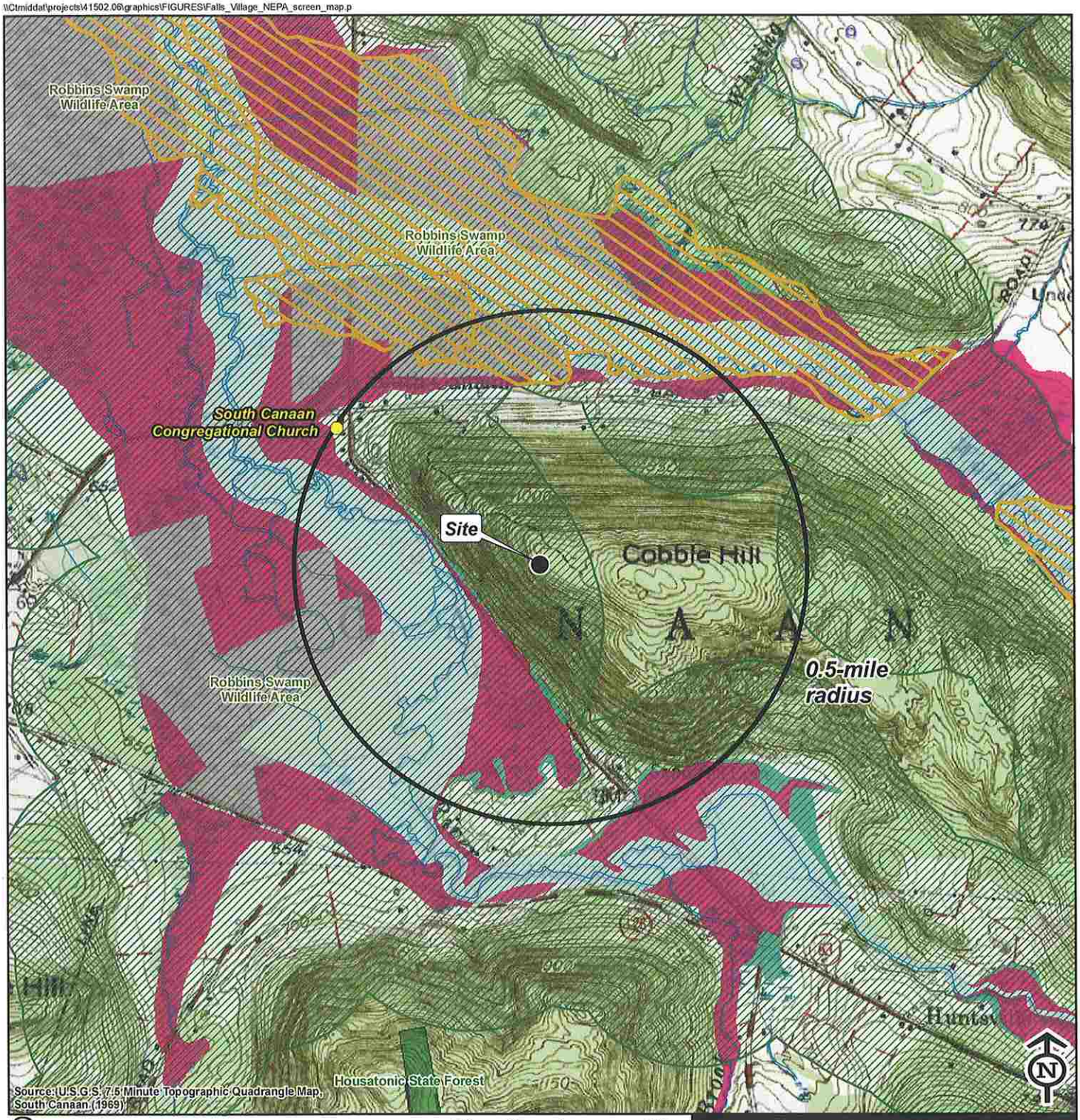
   Review of current FEMA Flood Insurance Rate Map (FIRM) data. (See attached FIRM map #0900440012B dated September 2, 1988.)

7. **Will construction involve significant change in surface features (impacts to wetlands, deforestation, water diversion, etc.)?** ***NO***

   Information Source

   Refer to VHB's Wetland Inspection report dated August 25, 2010. No direct impact to wetlands or watercourses will occur.

\\Ctmiddat\projects\41502.06\graphics\FIGURES\Falls_Village_NEPA_screen_map.p



- Site with half mile radius
- Natural Diversity Database Threatened and Endangered Species (buffered; CTDEP last updated August 2010)
- Critical Habitat (CTDEP, 03/26/2010)
- National Register Historic Site
- National Register Historic District*
- Reported Archaeological Site (buffered)*
- Open Water
- Wetlands (CTDEP, 2005)

FEMA Flood Zone

- 100 Year Flood Zone
- 500 Year Flood Zone
- Floodway in Zone AE
- Other Flood Areas

CT DEP Property (CTDEP, 4/2010)

- State Forest
- State Park
- DEP Owned Waterbody
- State Park Scenic Reserve
- Historic Preserve
- Natural Area Preserve
- Fish Hatchery
- Flood Control
- Other
- State Park Trail
- Water Access
- Wildlife Area
- Wildlife Sanctuary
- Federal Open Space (CTDEP, 2004)*

1,000 500 0 1,000 Feet

*none within APE (half mile radius)

Vanasse Hangen Brustlin, Inc.

NEPA Screen Map
Proposed AT&T Facility - SR2413
Lat: 41 57 26.6 Long: 73 19 36.7
Falls Village/New Canaan
8 Barnes Road
Falls Village, Connecticut

September 7, 2010

at&t

Transportation
Land Development
Environmental
Services

VHB Vanasse Hangen Brustlin, Inc.

54 Tuttle Place
Middletown, Connecticut 06457
860 632-1500
FAX 860 632-7879

Memorandum

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

Date: October 4, 2010

Project No.: 41502.06

From: Dean Gustafson
Senior Environmental Scientist

Re: USFWS Compliance Determination
SR-2413Falls Village/Canaan
8 Barnes Road
Falls Village, Connecticut

Project Site:
State: Connecticut
County: Litchfield
Address: 8 Barnes Road, Falls Village, CT
Latitude/Longitude Coordinates: N41°57'26.6" W73°19'36.7"
Size of Property: ±74.46 acres
Watershed: Hollenbeck River (#6200)

Policies regarding potential conflicts between proposed telecommunications facilities and federally-listed endangered and threatened species are detailed in a January 4, 2010 policy statement of the United States Department of the Interior Fish and Wildlife Service (USFWS) New England Field Office. The referenced Site is located in Falls Village, Connecticut (Litchfield County). No federally-listed endangered or threatened species are known to occur in Falls Village, Connecticut (refer to the enclosed listing;) and as such the proposed development will not result in an adverse affect to any federally-listed endangered or threatened species. A copy of the January 4, 2010 USFWS policy statement as well as a January 4, 2010 USFWS letter regarding federally-listed endangered and threatened species in Falls Village, Connecticut are enclosed for reference.

The bald eagle has been delisted and maintains protection under the Bald and Golden Eagle Protection Act (Eagle Act) and the Migratory Bird Treaty Act (MBTA). No bald eagle nests, roosting or foraging areas were observed on the subject property or are known to exist on the surrounding properties. Therefore, the proposed telecommunications facility will not result in disturbance[1] to Bald Eagles.

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[1] "Disturb means to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior." (Eagle Act)

USFWS January 4, 2010 Telecommunications Policy Statement and Federally-Listed Endangered and Threatened Species in Connecticut
USFWS January 4, 2010 No Known Federally-Listed or Endangered Species Letter

United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
http://www.fws.gov/newengland

January 4, 2010

To Whom It May Concern:

The U.S. Fish and Wildlife Service's (Service) New England Field Office has determined that individual project review for certain types of activities associated with communication towers **is not required.** These comments are submitted in accordance with provisions of the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*).

Due to the rapid expansion of the telecommunication industry, we are receiving a growing number of requests for review of **existing** and **new** telecommunication facilities in relation to the presence of federally-listed or proposed, threatened or endangered species, critical habitat, wilderness areas and/or wildlife preserves. We have evaluated our review process for proposed communications towers and believe that individual correspondence with this office is not required for the following types of actions relative to **existing** facilities:

1. the re-licensing of existing telecommunication facilities;
2. audits of existing facilities associated with acquisition;
3. routine maintenance of existing tower sites, such as painting, antenna or panel replacement, upgrading of existing equipment, etc.;
4. co-location of new antenna facilities on/in existing structures;
5. repair or replacement of existing towers and/or equipment, provided such activities do not significantly increase the existing tower mass and height, or require the addition of guy wires.

In order to curtail the need to contact this office in the future for individual environmental review for **existing** communication towers or antenna facilities, please note that we are not aware of any federally-listed, threatened or endangered species that are being adversely affected by any existing communication tower or antenna facility in the following states: Vermont, New Hampshire, Rhode Island, Connecticut and Massachusetts. Furthermore, we are not aware of any **existing** telecommunication towers in federally-designated critical habitats, wilderness areas or wildlife preserves. Therefore, no further consultation with this office relative to the impact of the above referenced activities on federally-listed species is required.

January 4, 2010

Future Coordination with this Office Relative to New Telecommunication Facilities

We have determined that proposed projects are not likely to adversely affect any federally-listed or proposed species when the following steps are taken to evaluate new telecommunication facilities:

1. If the facility will be installed within or on an existing structure, such as in a church steeple or on the roof of an existing building, no further coordination with this office is necessary. Similarly, new antennas or towers in urban and other developed areas, in which no natural vegetation will be affected, do not require further review.

2. If the above criteria cannot be met, your review of our lists of threatened and endangered species locations within Vermont, New Hampshire, Rhode Island, Connecticut and Massachusetts may confirm that no federally-listed endangered or threatened species are known to occur in the town or county where the project is proposed.

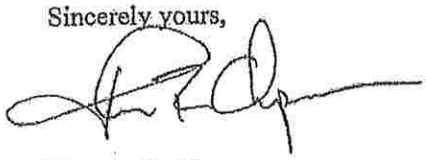
3. If a listed species is present in the town or county where the project is proposed, further review of our lists of threatened and endangered species may allow you to conclude that suitable habitat for the species will not be affected. Based on past experiences, we anticipate that there will be few, if any, projects that are likely to impact piping plovers, roseate terns, bog turtles, Jesup's milk-vetch or other such species that are found on coastal beaches, riverine habitats or in wetlands because communication towers typically are not located in these habitats.

For projects that meet the above criteria, there is no need to contact this office for further project review. A copy of this letter should be retained in your file as the Service's determination that no listed species are present, or that listed species in the general area will not be affected. Due to the high workload associated with responding to many individual requests for threatened and endangered species information, we will no longer be providing response letters for activities that meet the above criteria. This correspondence and the species lists remain valid until January 1, 2011. Updated consultation letters and species lists are available on our website:

(http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm)

Thank you for your cooperation, and please contact Mr. Anthony Tur at 603-223-2541 for further assistance.

Sincerely yours,



Thomas R. Chapman
Supervisor
New England Field Office

United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
http://www.fws.gov/newengland

January 4, 2010

To Whom It May Concern:

This project was reviewed for the presence of federally-listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

(http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm)

Based on the information currently available, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service (Service) are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under Section 7 of the Endangered Species Act is not required.

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

Thank you for your cooperation. Please contact Mr. Anthony Tur at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN CONNECTICUT

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

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

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

7/31/2008

Transportation
Land Development
Environmental
Services

imagination | innovation | energy Creating results for our clients and benefits for our communities

Vanasse Hangen Brustlin, Inc.

August 6, 2010

Patricia Allyn Mechare
First Selectman
Town Hall
P.O. Box 47
Falls Village, CT 06031-0047

To comply with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended, SAI Communications representing New Cingular Wireless PCS, d/b/a AT&T, has retained Vanasse Hangen Brustlin, Inc. (VHB) to evaluate proposed carrier facilities for any adverse effect it may have on historic properties. As part of this evaluation, and in conformance with the Nationwide Programmatic Agreement (NPA) for review of effects on historic properties for proposed undertakings, VHB is submitting this tower construction notification to the Town of Falls Village First Selectman and The Falls Village - Canaan Historical Society.

AT&T is proposing to install a new wireless telecommunications facility consisting of a 150±-foot tall monopole tower, antennas, and associated ground equipment located on portions of property at 8 Barnes Road in Falls Village, Connecticut. This facility will provide improved wireless coverage to select areas of Falls Village/Canaan.

The purpose of this letter is to notify the Town of Falls Village/Canaan that public notice of this proposed facility will be published in *The Lakeville Journal* on August 12, 2010 and to invite comments regarding any potential effects that the proposed facility may have upon historic properties from relevant individuals or groups that you may be aware of.

Parties interested in submitting comments regarding any potential effects of the proposed facility on historic properties may do so by sending them to Vanasse Hangen Brustlin, Inc., 54 Tuttle Place, Middletown, CT, 06457, to the attention of Coreen Kelsey. Questions about this proposed project or to request additional information may be submitted via mail to the above address, emailed to ckelsey@vhb.com, or by calling (860) 632-1500 ext. 2306.

VHB will be accepting comments and/or questions within 30 days of the date of this publication. Therefore, all comments or questions regarding this matter should be postmarked/submitted by no later than September 12, 2010.

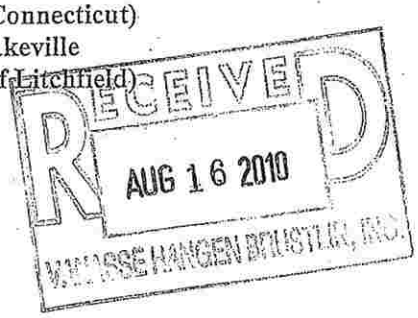
cc: The Falls Village – Canaan Historical Society
The Falls Village Depot
44 Railroad Street
Falls Village, CT 06031

54 Tuttle Place
Middletown, Connecticut 06457-1847
860.632.1500 ▪ FAX 860.632.7879
email: info@vhb.com
www.vhb.com

THE LAKEVILLE JOURNAL COMPANY, LLC

Lakeville, Connecticut 06039

(State of Connecticut)
ss: Lakeville
(County of Litchfield)



AFFADAVIT OF PUBLICATION

Michelle Chapman
For the Town of Lakeville, being duly sworn, deposes and says that she is Financial Assistant of The Lakeville Journal, a Newspaper published in said Town of Lakeville, Ct. and having circulation in said town and neighboring towns, and that the annexed Notice was duly published in said newspaper on the following date(s):

8.12.10

Michelle Chapman
Financial Assistant

Subscribed and sworn before me on 8-14-, 2010.

Sandra L. Lang
Notary Public
My Commission Expires June 30, 2015

LEGAL NOTICE

New Cingular Wireless PCS, d/b/a AT&T, is proposing to install a new wireless telecommunications facility consisting of a 150± -foot tall monopole tower, antennas, and associated ground equipment located on portions of property at 8 Barnes Road in Falls Village, Connecticut. This facility will provide improved wireless coverage to select areas of Falls Village/Canaan.

Parties interested in submitting comments regarding any potential effects of the proposed facility on historic properties may do so by sending comments to Coreen Kelsey, Vanasse Hangen Brustlin, Inc., 54 Tuttle Place, Middletown, CT, 06457, or via email to ckelsey@vhb.com, or by calling (860) 632-1500 ext. 2306.

VHB will be accepting comments and/or questions within 30 days of the date of this publication. Therefore, all comments or questions regarding this matter should be postmarked/submitted by no later than September 12, 2010.

Nicole G. Dentamaro
GIS Analyst
08-12-10

The Lakeville Journal
P.O. Box 1688 , Lakeville, CT 06039
860-435-9873 ~ Fax 860-435-0146

The Millerton News
P.O. Box AD, Millerton, NY 12546
518-789-4401 ~ Fax 518-789-9247

The Winsted Journal
P.O. Box 835, Winsted, CT 06098
860-738-4418 ~ Fax 860-738-3709

Kelsey, Coreen

From: towernotifyinfo@fcc.gov
Sent: Friday, August 13, 2010 3:01 AM
To: Kelsey, Coreen
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2561299

Dear Sir or Madam:

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

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

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

1. THPO Kathleen Knowles - Mashantucket Pequot Tribe - Mashantucket, CT - electronic mail
Details: For every tower construction this Tribe requires a site location map, site plans for every project that will result in ground disturbance, and a detailed description of the proposed site. If the proposed tower construction is on an already existing building, the Tribe would like to be informed of that as well.

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

3. THPO Sherry White - Stockbridge-Munsee Band of Mohican Indians - Bowler, WI - regular mail
Details: If a project is not ground-disturbing, we do not need to comment on the proposed project. If, however, there will be ground disturbance, this Tribe requires a $200 fee. This Tribe will make every effort to respond to all of your TCNS notifications. Due to our limited resources, however, please do not send "thank you notes" or "thank you letters" to this Tribe once we respond to you. We do not have the resources to open the additional mail. We appreciate the kind thoughts, but we are very limited in resources.

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

None

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

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

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

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

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

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

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

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

Notification Received: 08/05/2010
Notification ID: 66731
Tower Owner Individual or Entity Name: AT&T Mobility
Consultant Name: Coreen Kelsey
Street Address: 54 Tuttle Place
City: Middletown
State: CONNECTICUT
Zip Code: 06457
Phone: 860-632-1500
Email: ckelsey@vhb.com

Structure Type: POLE - Any type of Pole
Latitude: 41 deg 57 min 26.6 sec N
Longitude: 73 deg 19 min 36.7 sec W
Location Description: 8 Barnes Road
City: Falls Village
State: CONNECTICUT
County: LITCHFIELD
Ground Elevation: 365.2 meters
Support Structure: 45.7 meters above ground level
Overall Structure: 45.7 meters above ground level
Overall Height AMSL: 410.9 meters above mean sea level

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

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

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

Thank you,
Federal Communications Commission

Kelsey, Coreen

From: towernotifyinfo@fcc.gov
Sent: Thursday, August 19, 2010 12:15 PM
To: Kelsey, Coreen
Cc: tcns.fccarchive@fcc.gov; KKnowles@mptn-nsn.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 66731) - Email ID #2572063

Dear Coreen Kelsey,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Kathleen Knowles of the Mashantucket Pequot Tribe in reference to Notification ID #66731:

Re: Notification ID # 66731, I have reviewed the Preliminary Archeological Assessment entitled "PRELIMINARY ARCHEOLOGICAL ASSESSMENT OF A PROPOSED TELECOMMUNICATIONS TOWER LOCATED AT 8 BARNES RD., FALLS VILLAGE, CT," submitted by Heritage Consultants LLC. The research design and testing strategy meets acceptable professional standards, and I agree with the recommendations and conclusions. Please keep me informed of any further developments with respect to this project.
Kathleen Knowles, THPO
Mashantucket Pequot Tribe

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

Notification Received: 08/05/2010
Notification ID: 66731
Tower Owner Individual or Entity Name: AT&T Mobility
Consultant Name: Coreen Kelsey
Street Address: 54 Tuttle Place
City: Middletown
State: CONNECTICUT
Zip Code: 06457
Phone: 860-632-1500
Email: ckelsey@vhb.com

Structure Type: POLE - Any type of Pole
Latitude: 41 deg 57 min 26.6 sec N
Longitude: 73 deg 19 min 36.7 sec W
Location Description: 8 Barnes Road
City: Falls Village
State: CONNECTICUT
County: LITCHFIELD
Ground Elevation: 365.2 meters
Support Structure: 45.7 meters above ground level
Overall Structure: 45.7 meters above ground level
Overall Height AMSL: 410.9 meters above mean sea level

Transportation
Land Development
Environmental
Services

Vanasse Hangen Brustlin, Inc.

54 Tuttle Place
Middletown, Connecticut 06457
860 632-1500
FAX 860 632-7879

Transmittal

VIA EMAIL Sequahna@yahoo.com

To: Ms. Sequahna Mars
Narragansett Indian Tribe
P.O. Box 350
Wyoming, RI

From: Coreen Kelsey

VHB Project No.: 41502.06

Date: September 3, 2010

Subject: Falls Village
8 Barnes Road
Falls Village, CT

Hello Sequahna:

Vanasse Hangen Brustlin, Inc. (VHB) posted details of a proposed wireless telecommunications facility project located in Falls Village, CT on FCC's Tower Construction Notification System (TCNS; # 66731) website on August 5, 2010. The Narragansett Indian Tribe has been identified via TCNS as being interested in this geographic location, and thus was forwarded email notification regarding the proposed project from TCNS. VHB has not received a response from your Tribe stating interest in this site and the allocated 30 calendar day review period has expired. As a result, we are submitting this memo to you as second notice requesting that you contact Coreen Kelsey via telephone (860-632-1500 ext. 2306) or email (ckelsey@vhb.com) to express your interest or no interest in reviewing/commenting on this project within 10 days of your receipt of this memo. Thank you for your prompt consideration of this request.

Kelsey, Coreen

From: Microsoft Exchange
To: sequahna mars
Sent: Friday, September 03, 2010 9:39 AM
Subject: Relayed: TCNS 66731

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

sequahna mars

Subject: TCNS 66731

Sent by Microsoft Exchange Server 2007

Transportation
Land Development
Environmental
Services

Vanasse Hangen Brustlin, Inc.

54 Tuttle Place
Middletown, Connecticut 06457
860 632-1500
FAX 860 632-7879

Transmittal

VIA EMAIL Sherry.White@mohican-nsn.gov

To: Ms. Sherry White
Stockbridge Munsee Band of
Mohican Indians
W13447 Camp 14 Road
P.O. Box 70
Bowler, WI 54416

From: Coreen Kelsey

VHB Project No.: 41502.06

Date: September 3, 2010

Subject: Falls Village
8 Barnes Road
Falls Village, CT

Ms. White:

Vanasse Hangen Brustlin, Inc. (VHB) posted details of a proposed wireless telecommunications facility project located in Falls Village, CT on FCC's Tower Construction Notification System (TCNS; # 66731) website on August 5, 2010. The Stockbridge Munsee Band of Mohican Indians has been identified via TCNS as being interested in this geographic location, and thus was forwarded email notification regarding the proposed project from TCNS. VHB has not received a response from your Tribe stating interest in this site and the allocated 30 calendar day review period has expired. As a result, we are submitting this memo to you as second notice requesting that you contact Coreen Kelsey via telephone (860-632-1500 ext. 2306) or email (ckelsey@vhb.com) to express your interest or no interest in reviewing/commenting on this project within 10 days of your receipt of this memo. Thank you for your prompt consideration of this request.

Kelsey, Coreen

From: Microsoft Exchange
To: Sherry White
Sent: Friday, September 03, 2010 9:24 AM
Subject: Relayed: TCNS 66731

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

Sherry White

Subject: TCNS 66731

Sent by Microsoft Exchange Server 2007

Kelsey, Coreen

From: Sherry White [Sherry.White@mohican-nsn.gov]
Sent: Thursday, September 09, 2010 2:47 PM
Subject: Read: TCNS 66731

Your message was read on Thursday, September 09, 2010 2:47:01 PM (GMT-05:00) Eastern Time (US & Canada).

Kelsey, Coreen

From: towernotifyinfo@fcc.gov
Sent: Thursday, September 23, 2010 9:03 AM
To: Kelsey, Coreen
Cc: Diane.Dupert@fcc.gov; Kim.Pristello@fcc.gov
Subject: Proposed Construction of Communications Facilities Notification of Final Contacts - Email ID #8846

AT&T Mobility
Coreen Kelsey
54 Tuttle Place
Middletown, CT 06457

Dear Applicant:

This letter addresses the proposed communications facilities listed below that you have referred to the Federal Communications Commission (Commission) for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages (collectively Indian Tribes), and Native Hawaiian Organizations (NHOs), as specified by Section IV.G of the Nationwide Programmatic Agreement (NPA). Consistent with the procedures outlined in the Commission's recent Declaratory Ruling (1), we have contacted the Indian Tribes or NHOs identified in the attached Table for the projects listed in the attached Table. You referred these projects to us between 09/16/2010 and 09/23/2010. Our contact with these Indian Tribes or NHOs was sent on 09/23/2010.

Thus, as described in the Declaratory Ruling (2), if you or Commission staff do not receive a statement of interest regarding a particular project from any Tribe or NHO within 20 calendar days of 09/23/2010, your obligations under Section IV of the NPA with respect to these Indian Tribes or NHOs are complete(3). If an Indian Tribe or NHO responds that it is interested in participating within the 20 calendar day period, the Applicant must involve it in the review as set forth in the NPA, and may not begin construction until the process set forth in the NPA is completed.

You are reminded that Section IX of the NPA imposes independent obligations on an Applicant when a previously unidentified site that may be a historic property, including an archeological property, is discovered during construction or after the completion of review(4). In such instances, the Applicant must cease construction and promptly notify, among others, any potentially affected Indian Tribe or NHO. An Indian Tribe's or NHO's failure to express interest in participating in pre-construction review of an undertaking does not necessarily mean it is not interested in archeological properties or human remains that may inadvertently be discovered during construction. Hence, an Applicant is still required to notify any potentially affected Indian Tribe or NHO of any such finds pursuant to Section IX or other applicable law.

Sincerely,
Dan Abeyta
Assistant Chief
Spectrum and Competition Policy Division
Wireless Telecommunications Bureau

---

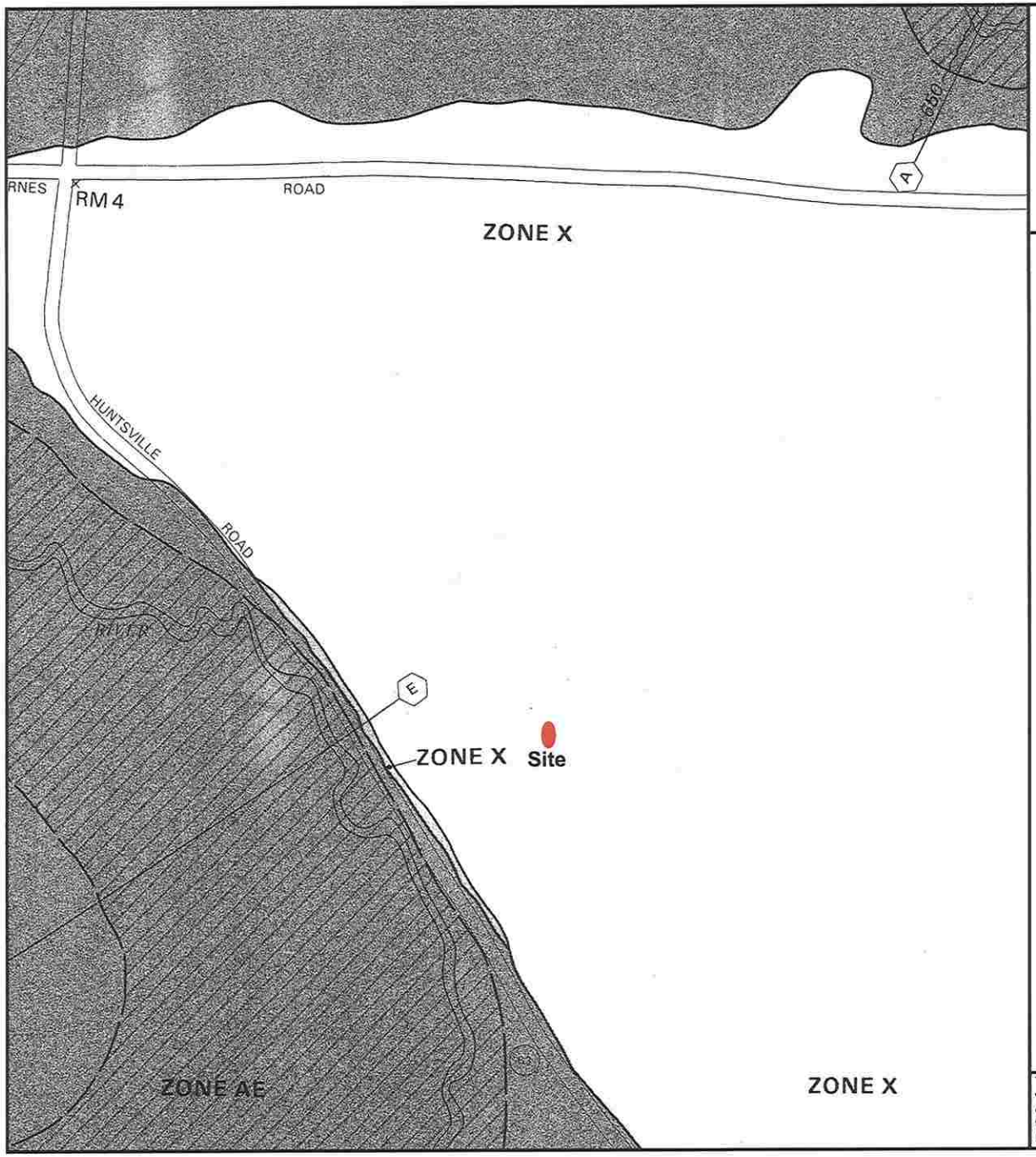
1) See Clarification of Procedures for Participation of Federally Recognized Indian Tribes and Native Hawaiian Organizations Under the Nationwide Programmatic Agreement, Declaratory Ruling, FCC 05-176 (released October 6, 2005) (Declaratory Ruling).
2) Id S 8-10.
3) We note that, under the Declaratory Ruling, an expression of interest by an Indian Tribe or NHO addressed solely to the Commission staff during the 20-day period is sufficient even if it does not contact the Applicant.
4) Id at S 11.

LIST OF PROPOSED COMMUNICATIONS TOWERS

TCNS# 66731 Referred Date: 09/21/2010 Location: 8 Barnes Road, Falls Village, CT
Tribe Name: Narragansett Indian Tribe
Tribe Name: Stockbridge-Munsee Band of Mohican Indians

TCNS# 66695 Referred Date: 09/21/2010 Location: 80 Princeton Drive, Bristol, CT
Tribe Name: Narragansett Indian Tribe

LEGEND:
* - Notification numbers are assigned by the Commission staff for sites where initial contact was not made through TCNS.



APPROXIMATE SCALE

400 0 400 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

TOWN OF
CANAAN, CONNECTICUT
LITCHFIELD COUNTY

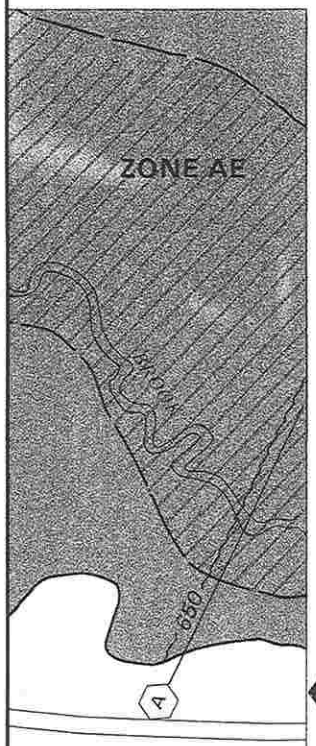
PANEL 12 OF 20
(SEE MAP INDEX FOR PANELS NOT PRINTED)

PANEL LOCATION

COMMUNITY-PANEL NUMBER
090044 0012 B

EFFECTIVE DATE:
SEPTEMBER 2, 1988

Federal Emergency Management Agency



LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- **ZONE A** — No base flood elevations determined.
- **ZONE AE** — Base flood elevations determined.
- **ZONE AH** — Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- **ZONE AO** — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE A99** — To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- **ZONE V** — Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- **ZONE VE** — Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- **ZONE X** — Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- **ZONE X** — Areas determined to be outside 500-year flood plain.
- **ZONE D** — Areas in which flood hazards are undetermined.

Flood Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 — Base Flood Elevation Line; Elevation in Feet*

D — D — Cross Section Line

(EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone*

APPROXIMATE SCALE

400 0 400 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

TOWN OF
CANAAN, CONNECTICUT
LITCHFIELD COUNTY

PANEL 12 OF 20
(SEE MAP INDEX FOR PANELS NOT PRINTED)

PANEL LOCATION

COMMUNITY-PANEL NUMBER
090044 0012 B

EFFECTIVE DATE:
SEPTEMBER 2, 1988

Federal Emergency Management Agency

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Inland Fisheries Division-Natural History Survey
Natural Diversity Data Base
79 Elm Street, 6th floor
Hartford, CT 06106-5127

September 2, 2010

Mr. Dean Gustafson
Vanasse Hangen Brustlin, Inc.
54 Tuttle Place
Middletown, CT 06457-1847

Subject: Proposed AT&T Cingular Wireless Telecommunications Facility, Canaan, CT
State/Federal Listed Species

Dear Mr. Gustafson:

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided and listed above. According to our information, there are no known extant populations of Federal or State Endangered, Threatened or Special Concern Species that occur at the site in question.

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 Geological and Natural History Survey and cooperating units of the DEP, 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 substituted 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.

Please contact me if you have further questions (nancy.murray@ct.gov; 860-424-3589). Thank you for consulting the Natural Diversity Data Base and continuing to work with us to protect State listed species.

Sincerely,

Nancy M. Murray
Biologist/Senior Environmental Analyst
NDDB Program Coordinator

cc: NDDB File # 17984

NM:hw

Transportation
Land Development
Environmental
Services

imagination | innovation | energy Creating results for our clients and benefits for our communities

August 24, 2010

Vanasse Hangen Brustlin, Inc.

Ref. No. 41502.06

Ms. Dawn McKay, Biologist/Environmental Analyst
Wildlife Division
Bureau of Natural Resources
Department of Environmental Protection
79 Elm Street – 6th Floor
Hartford, CT 06106-5127

Re: Natural Diversity Data Base - Review Request
Proposed AT&T Cingular Wireless Telecommunications Facility
8 Barnes Road
Canaan, Connecticut

Dear Ms. McKay:

Vanasse Hangen Brustlin, Inc. (VHB) has been retained by AT&T Cingular Wireless to review environmental resource information, including threatened or endangered species or designated critical habitats, as part of future filing of a Certificate of Environmental Compatibility and Public Need application with the Connecticut Siting Council.

VHB understands that AT&T Cingular Wireless is proposing to construct a new telecommunications facility to be developed on portions of property located off of 8 Barnes Road in Canaan, Connecticut. Development of this facility includes the installation of a 150-foot tall monopole tower above grade level (AGL) with associated ground equipment to be situated within an approximate 40-foot by 90-foot fenced compound area (Facility). The approximate coordinates of the proposed Facility are as follows: 73°19'36.728" W 41°57'26.659"N. A proposed 12-foot wide gravel access drive will extend in a southeasterly direction off of Barnes Road generally along an existing gravel drive, then along an existing wood path at the top of Cobble Hill. A copy of the Abutters Map (Sheet No. C01) and Site Access Maps (Sheet Nos. C02A to C02D) are enclosed for reference. In addition, a 2008 aerial photograph is provided depicting the existing gravel drive, hunting cabin, wood path and proposed and alternate Facility locations.

A preliminary habitat evaluation was performed by VHB to document habitat characteristics associated with potential development areas. The field inspected Study Area consisted of the following: proposed Facility location and areas generally within 200 feet of the proposed development; and, proposed access drive route and areas generally within 100 feet. Photographs of the proposed Facility locations and access route are enclosed. The subject property primarily consists of undeveloped forest with an existing gravel drive traversing the northwestern slope of Cobble Hill providing access to a private hunting cabin near the top of Cobble Hill. A relatively small field (1.25± acres) located just southeast of the hunting cabin and 800± feet east of the proposed Facility was cleared around 2006 to improve browse habitat for whitetail deer. Steep to moderate slopes

54 Tuttle Place
Middletown, Connecticut 06457-1847
860.632.1500 ▪ FAX 860.632.7879
email: info@vhb.com
www.vhb.com

characterize the topography for the majority of the land surrounding the proposed access drive. Exposed bedrock was observed in several locations along the proposed access drive and at the proposed Facility location. As confirmed by mapping and field observations, bedrock is classified as Gneiss of Highlands massifs consisting of gray, medium-grained, well layered gneiss.[1] Small boulders, including glacial erratic, of limestone were observed along the top of Cobble Hill, particularly along the north slope, over 1,000 feet east of the proposed Facility. According to the Natural Resources Conservation Service Web Soil Survey and as confirmed by VHB's field investigation, soils underlying and surrounding the project area are classified as Hollis-Chatfield-Rock outcrop complex (soil symbol – 75). Hollis and Chatfield soils consist respectively of somewhat excessively, drained shallow (10 to 20 inches to bedrock) and well drained, moderately shallow (20 to 40 inches to bedrock) glacial till soils derived from gneiss, granite and schist. Limestone influenced soils were not observed, which is consistent with the dominance of acid loving (ericaceous) plants in the Study Area. A copy of the Web Soil Survey map is enclosed.

The general habitat of the Study Area was characterized and a list of species observed (not complete – some common weedy species are not listed) was cataloged and is attached. The dominant vegetation type encompassing the study area is classified as Northern red oak-Black oak-Chestnut oak (*Quercus rubra – Quercus velutina – Quercus prinus*) forests.[2] This forest community occurs on shallow rocky soils on upper slopes and summits, such as those encountered at the Study Area. Eastern white pine (*Pinus strobus*), pignut hickory (*Carya glabra*), and white oak (*Quercus alba*) are also a component of the canopy. The predominant size class is poletimber to sawtimber (6-12 inches diameter at breast height), with saplings, seedlings, and scattered larger wolf trees also present. The average height of trees in this area is 40 to 50 feet. The shrub layer is generally undeveloped due to a closed canopy and limited resources for abundant vegetation to colonize the understory. The sparse vegetation that does exist in the shrub layer includes downy serviceberry (*Amelanchier arborea*), northern arrowwood (*Viburnum recognitum*), lowbush blueberry (*Vaccinium palllidum, V. angustifolia, V. stamineum*) and chestnut oak seedlings/saplings. The herbaceous layer is dominated by false Solomon seal (*Smilacina racemosa*), Solomon seal species (*Polygonatum spp.*), geranium (*Geranium*), wild oats (*Uvularia sessilifolia*), sweet-clover (*Melilotus officinalis*)and Virginia creeper (*Parthenocissus quinquefolia*).

The exception to this dominant vegetation type occurs on portions of the steep northern slopes in proximity to the existing gravel access drive. An Eastern hemlock (*Tsuga canadensis*) forest-cover type dominates these areas with lesser amounts of Eastern white pine, black and red oaks and yellow and paper birches (*Betula alleghaniensis, B. papyrifera*). The edges of the existing gravel road are dominated by the oaks forest community with the exception of shrub honeysuckle (*Lonicera sp.*; invasive) being dominant along the existing cleared edge.

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[1] *Bedrock Geologic Map of Connecticut.* Connecticut Department of Environmental Protection. John Rogers. 1985.

[2] Metzler, K.J., Barrett, J.P. *State Geological and Natural History Survey of Connecticut. The Vegetation of Connecticut, A Preliminary Classification.* Connecticut Department of Environmental Protection. Report of Investigations No. 12. 2006

VHB has reviewed Connecticut's Natural Diversity Data Base (NDDB; please see our attached NDDB Screen map). Based on NDDB review criteria, we have determined that the proposed project is within in proximity to listed species and critical habitat. We are submitting herein a completed NDDB Request Form for your review. To facilitate the Department's review and in anticipation that referral to various species specialists will be required, three complete copies of this NDDB review request are enclosed. At your earliest convenience, please forward your comments to my attention.

Very truly yours,

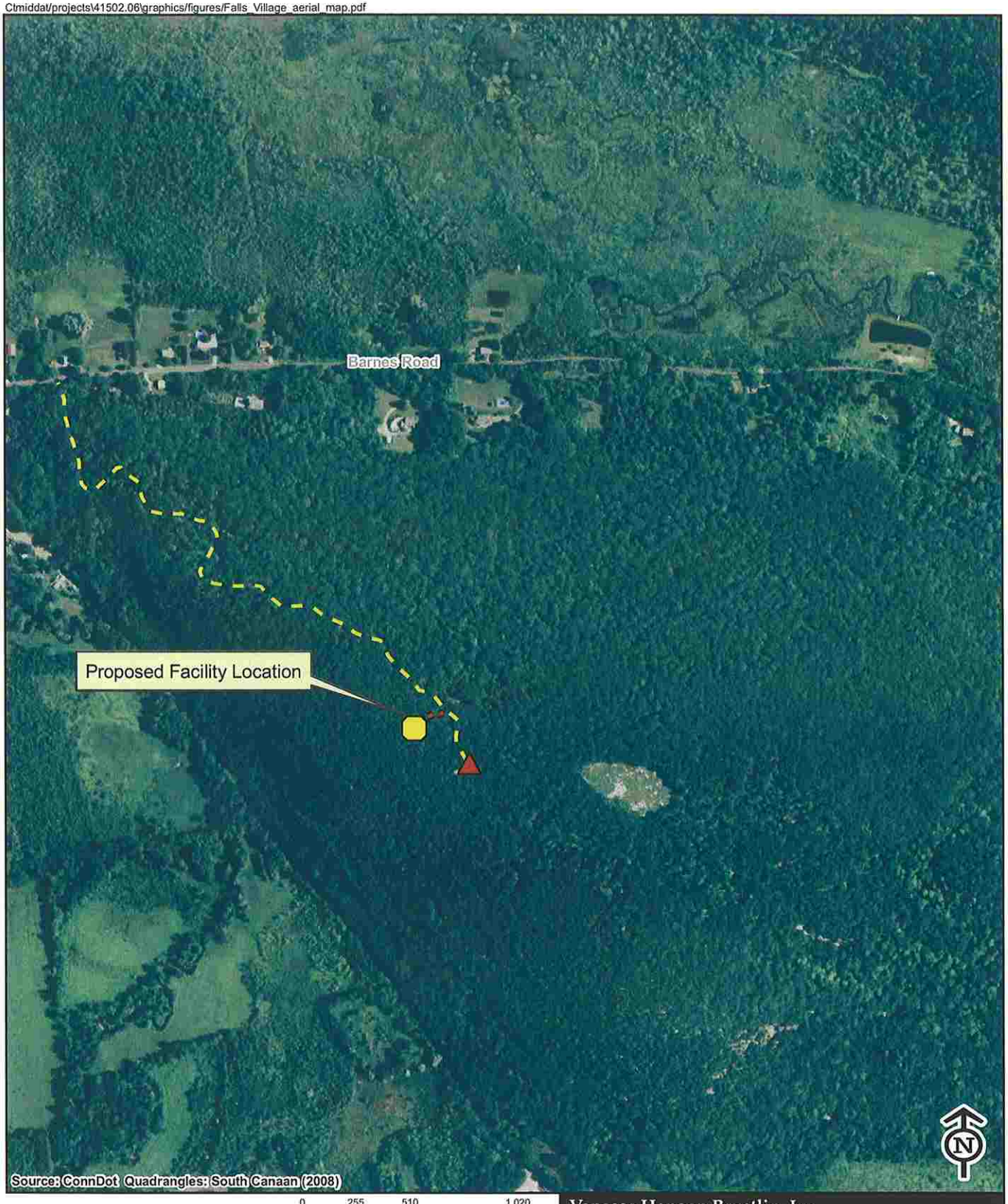
Dean Gustafson
Senior Environmental Scientist

Enclosures

Attachments

- 2008 Aerial Photograph
- Photolog Documentation
- Web Soil Survey
- Observed Flora Species List
- NDDB Screen Map
- NDDB Review Request Form
- Abutters Map (Sheet No. C01) and Site Access Maps (Sheet Nos. C02A to C02D)

Ctmiddat/projects\41502.06\graphics/figures/Falls_Village_aerial_map.pdf



Vanasse Hangen Brustlin, Inc.

2008 Aerial Photograph
Proposed AT&T Facility
8 Barnes Road
Falls Village, Connecticut
May 17, 2010

Legend

- Hunting Cabin
- Existing Gravel Drive
- Proposed Access Road

AT&T

Vanasse Hangen Brustlin, Inc.
PHOTOLOG DOCUMENTATION
Preliminary Habitat Evaluation
8 Barnes Road, Falls Village, Connecticut
July 1, 2010

Photo 1: Proposed Facility location, looking west.

Photo 2: Proposed Facility location, looking north.

Vanasse Hangen Brustlin, Inc.
PHOTOLOG DOCUMENTATION
Preliminary Habitat Evaluation
8 Barnes Road, Falls Village, Connecticut
July 1, 2010

Photo 3: Proposed access drive, looking west.

Photo 4: Proposed access drive near existing gravel drive, looking west.

Vanasse Hangen Brustlin, Inc.
PHOTOLOG DOCUMENTATION
Preliminary Habitat Evaluation
8 Barnes Road, Falls Village, Connecticut
July 1, 2010

Photo 5: Existing access drive near proposed access drive location, looking north.

Photo 6: Existing hunting cabin, looking south.

Vanasse Hangen Brustlin, Inc.
PHOTOLOG DOCUMENTATION
Preliminary Habitat Evaluation
8 Barnes Road, Falls Village, Connecticut
July 1, 2010

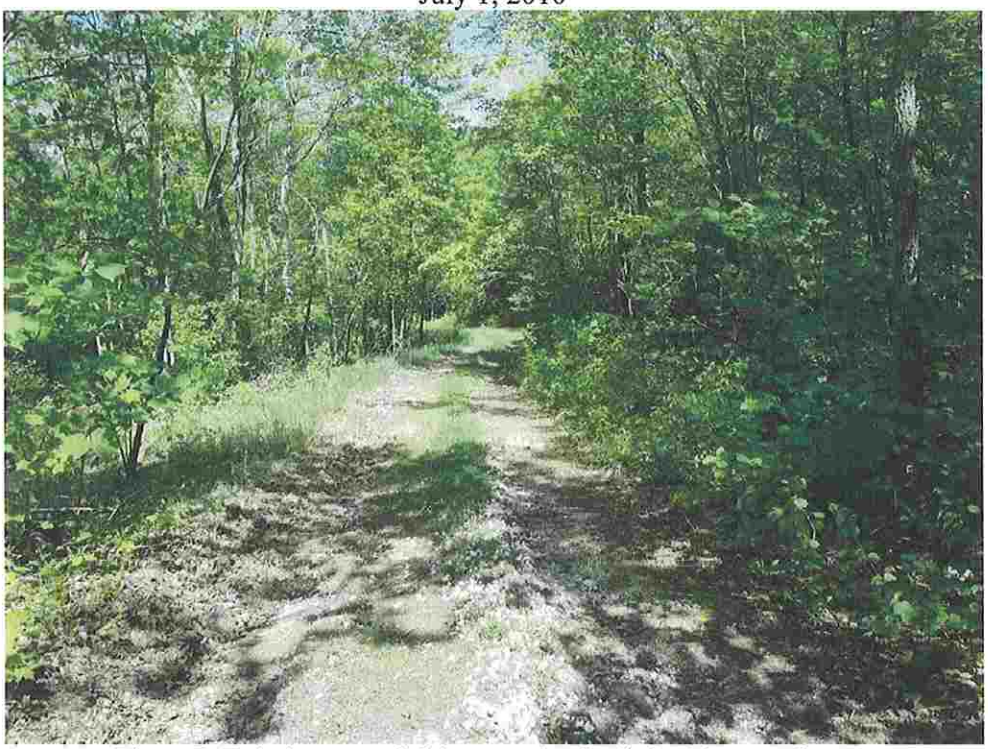


Photo 7: Existing gravel driveway (typical), looking northwest.

Photo 8: Existing gravel driveway (typical), looking north.

Vanasse Hangen Brustlin, Inc.
PHOTOLOG DOCUMENTATION
Preliminary Habitat Evaluation
8 Barnes Road, Falls Village, Connecticut
July 1, 2010

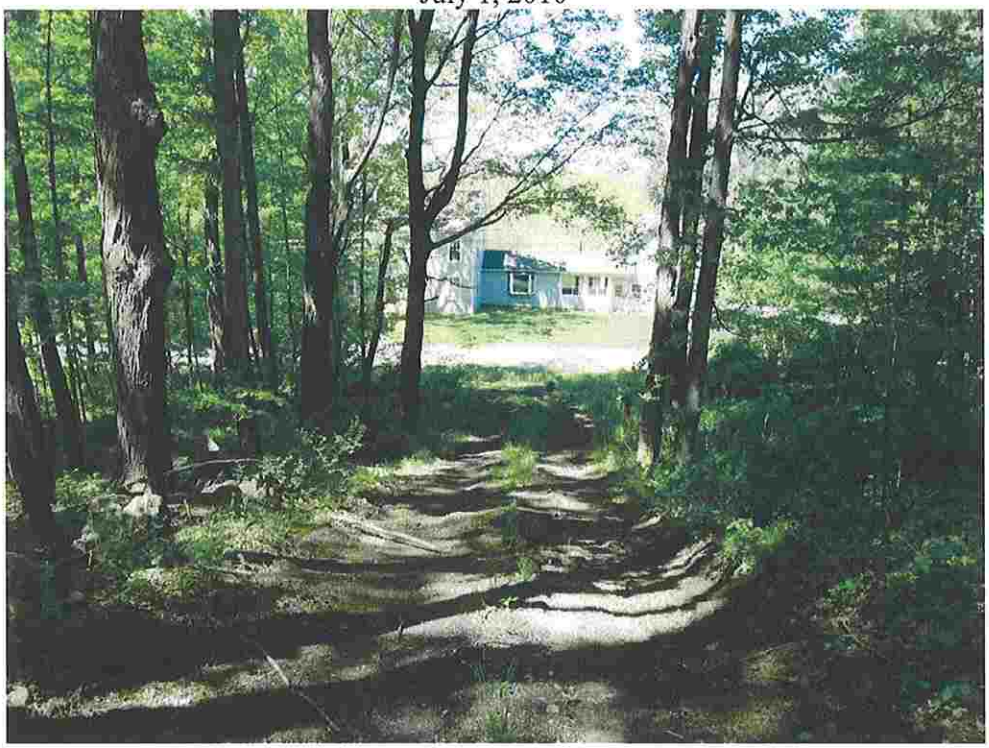
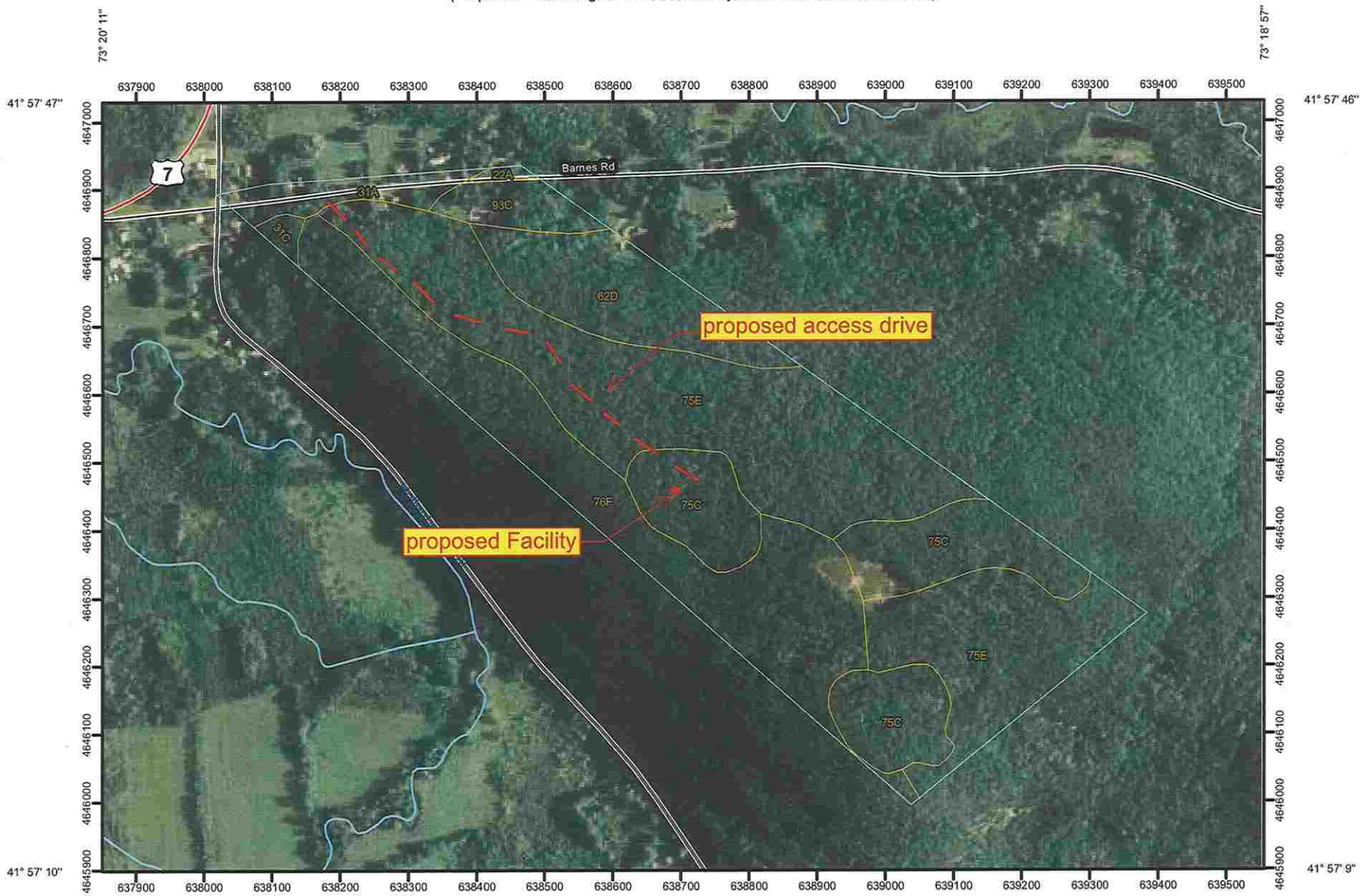


Photo 9: Existing gravel driveway entrance from Barnes Road, looking north.

Photo 10: View of Barnes Road at entrance of existing gravel driveway, looking west.

Soil Map—State of Connecticut
(Proposed AT&T Cingular Wireless Facility, 8 Barnes Road, Canaan, CT)



Map Scale: 1:8,090 if printed on A size (8.5" x 11") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 400 800 1,600 2,400

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

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

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features
- Cities

Water Features
- Oceans
- Streams and Canals

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

MAP INFORMATION

Map Scale: 1:8,090 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:12,000.

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

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

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

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

Date(s) aerial images were photographed: 8/5/2006

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

Map Unit Legend

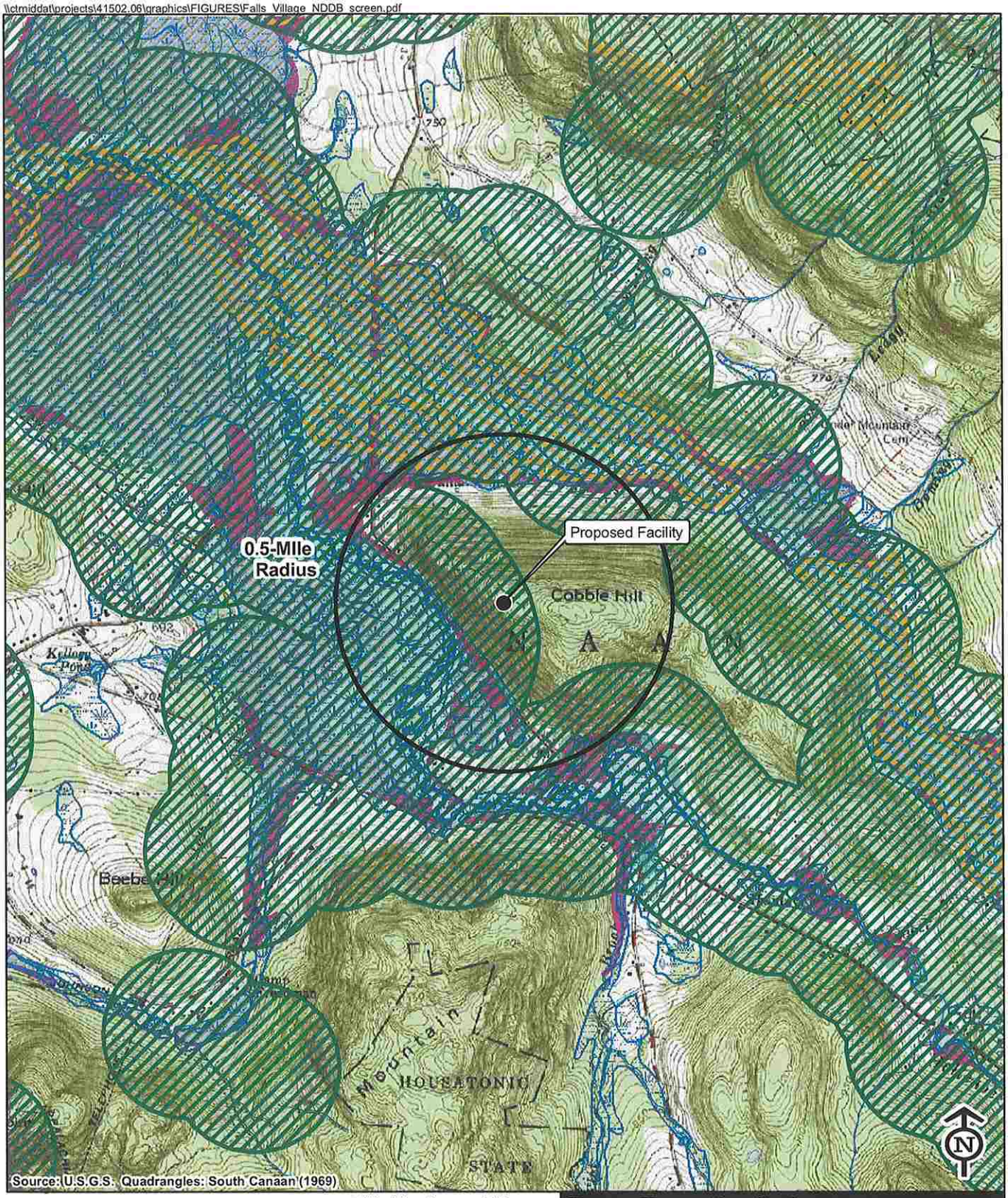
State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
22A	Hero gravelly loam, 0 to 3 percent slopes	0.4	0.3%
31A	Copake fine sandy loam, 0 to 3 percent slopes	3.7	3.2%
31C	Copake gravelly loam, 8 to 15 percent slopes	0.7	0.6%
62D	Canton and Charlton soils, 15 to 35 percent slopes, extremely stony	11.4	9.9%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	19.8	17.1%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	49.5	42.9%
76F	Rock outcrop-Hollis complex, 45 to 60 percent slopes	26.6	23.0%
93C	Nellis fine sandy loam, 3 to 15 percent slopes, very stony	3.4	2.9%
Totals for Area of Interest		**115.4**	**100.0%**

Partial List of Species Observed
Proposed AT&T Cingular Wireless Facility
8 Barnes Road, Canaan, Connecticut
Site Visit July 1, 2010

Species	**Common Name**
Acer spicatum	Mountain maple
Actaea rubra	Red baneberry
Alliaria officinalis	**Garlic mustard**
Anemone virginiana	Anemone
Apocynum sp	Dogbane
Aquilegia canadensis	Wild red columbine
Asplenium platyneuron	Ebony spleenwort
Berberis thunbergii	**Japanese barberry**
Betula alleghaniensis	Yellow birch
Betula papyrifera	Paper birch
Comptonia peregrina	Sweet fern
Carex spp	Sedge species
Carya glabra	Pignut hickory
Carya ovata	Shagbark hickory
Dennstaedtia punctilobula	Hayscented fern
Fragaria virginiana	Wild strawberry
Gaylussacia	Huckleberry
Geranium maculatum	Wild geranium
Hamamelis virginianum	Witch hazel
Kalmia latifolia	Mountain laurel
Lonicera morrowii	**Morrows honeysuckle**
Maianthemum canadense	Canada mayflower
Melilotus officinalis	Sweet-clover
Ostrya virginiana	Hop-hornbeam
Parthenocissus quinquifolia	Virginia creeper
Pinus strobus	White pine
Polygonatum pubescens	Solomon's seal
Polystichum acrostichoides	Christmas fern
Potentilla simplex	Common cinquefoil
Prunus serotina	Black cherry
Quercus muhlenbergii	Chinkapin oak
Quercus prinus	Chestnut oak
Quercus rubra	Red oak
Quercus veluntina	Black oak
Rhododendron periclymenoides	Pink azalea
Rhus typhina	Staghorn sumac
Ribes americanum	American black courant
Rosa multiflora	**Multiflora rose**
Rubus idaeus	Raspberry
Sambucus racemosa	Red elderberry
Smilacina racemosa	False solomon's seal
Solidago spp	Goldenrod species
Toxicodendron radicans	Poison ivy
Trientalis borealis	Starflower
Tsuga canadensis	Eastern hemlock
Vaccinium angustifolium	Lowbush blueberry
Verbascum thapsus	**Mullein**
Viburnum acerifolium	Mapleleaf viburnum
Viburnum recognitum	Northern arrowwood

Bold = non-native

\\ctmiddat\projects\41502.06\graphics\FIGURES\Falls_Village_NDDB_screen.pdf



1,000 500 0 1,000 Feet

Legend

- Proposed Tower Site
- Half Mile Radius
- NDDB Areas (buffered; last updated 06/2010)
- Critical Habitat (03/26/2010)
- CTDEP Wetlands
- Open Water
- National Wetland Inventory Wetlands

FEMA Flood Zone

- 100 Year Flood Zone
- 500 Year Flood Zone
- Floodway in Zone AE
- Other Flood Areas

Vanasse Hangen Brustlin, Inc.

Natural Diversity Data Base (NDDB)
State and Federally-Listed Endangered, Threatened, and Special Concern Species and Significant Natural Communities Screen
Proposed AT&T Mobility Facility - SR2413
Falls Village/New Canaan
8 Barnes Road
Falls Village, Connecticut

August 5, 2010

at&t

Connecticut Natural Diversity Data Base Review Request Form

Please complete this form *only* if you have conducted a review which determined that your activity is located in an area of concern.

Name: **AT&T Cingular Wireless Facility**

Affiliation: **Vanasse Hangen Brustlin, Inc.**

Mailing Address: **54 Tuttle Place**

City/Town: **Middletown** State: **CT** Zip Code: **06457**

Business Phone: **860-632-1500** ext. **2306** Fax: **860-632-7879**

Contact Person: **Dean Gustafson** Title: **Sr. Envir. Scientist**

Project or Site Name: **Falls Village/Canaan**

Project Location

Town: **Canaan** USGS Quad: **South Canaan**

Brief Description of Proposed Activities:

Construct a wireless telecommunications tower facility utilizing an existing gravel access road from Barnes Road in Canaan, CT. See attached letter for details.

Have you conducted a "State and Federal Listed Species and Natural Communities Map" review?

☒ Yes ☐ No Date of Map: **03/26/2010**

Has a field survey been previously conducted to determine the presence of any endangered, threatened or special concern species? ☐ Yes ☒ No

If yes, provide the following information and submit a copy of the field survey with this form.

Biologists Name: **a preliminary habitat evaluation has been performed**

Address: **(see attached letter)**

If the project will require a permit, list type of permit, agency and date or proposed date of application:

Certificate of Environmental Compatibility and Public Need, Connecticut Siting Council, to be determined

(See reverse side - you must sign the certification on the reverse side of this form)

The Connecticut Natural Diversity Data Base (CT NDDB) information will be used for:

☒ permit application

☒ environmental assessment (give reasons for assessment):

NEPA Compliance Documentation

☐ other (specify):

"I certify that the information supplied on this form is complete and accurate, and that any material supplied by the CT NDDB will not be published without prior permission."

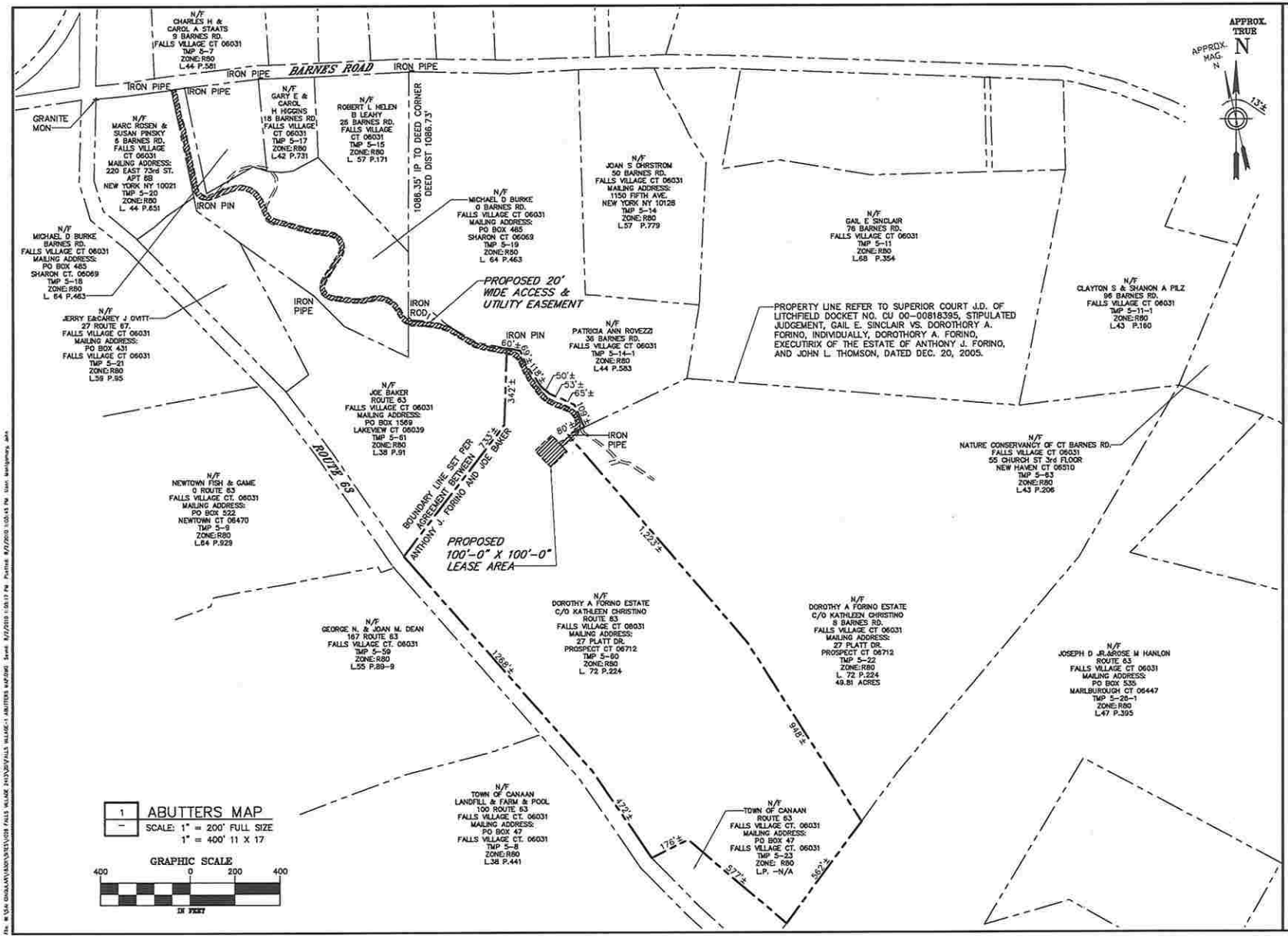
Signature _____ Date 8/24/10

All requests must include a USGS topographic map with the project boundary clearly delineated.

Return completed form to:

WILDLIFE DIVISION
BUREAU OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM ST, 6TH FLOOR
HARTFORD, CT 06106-5127

* You must submit a copy of this completed form with your registration or permit application.



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

CHA

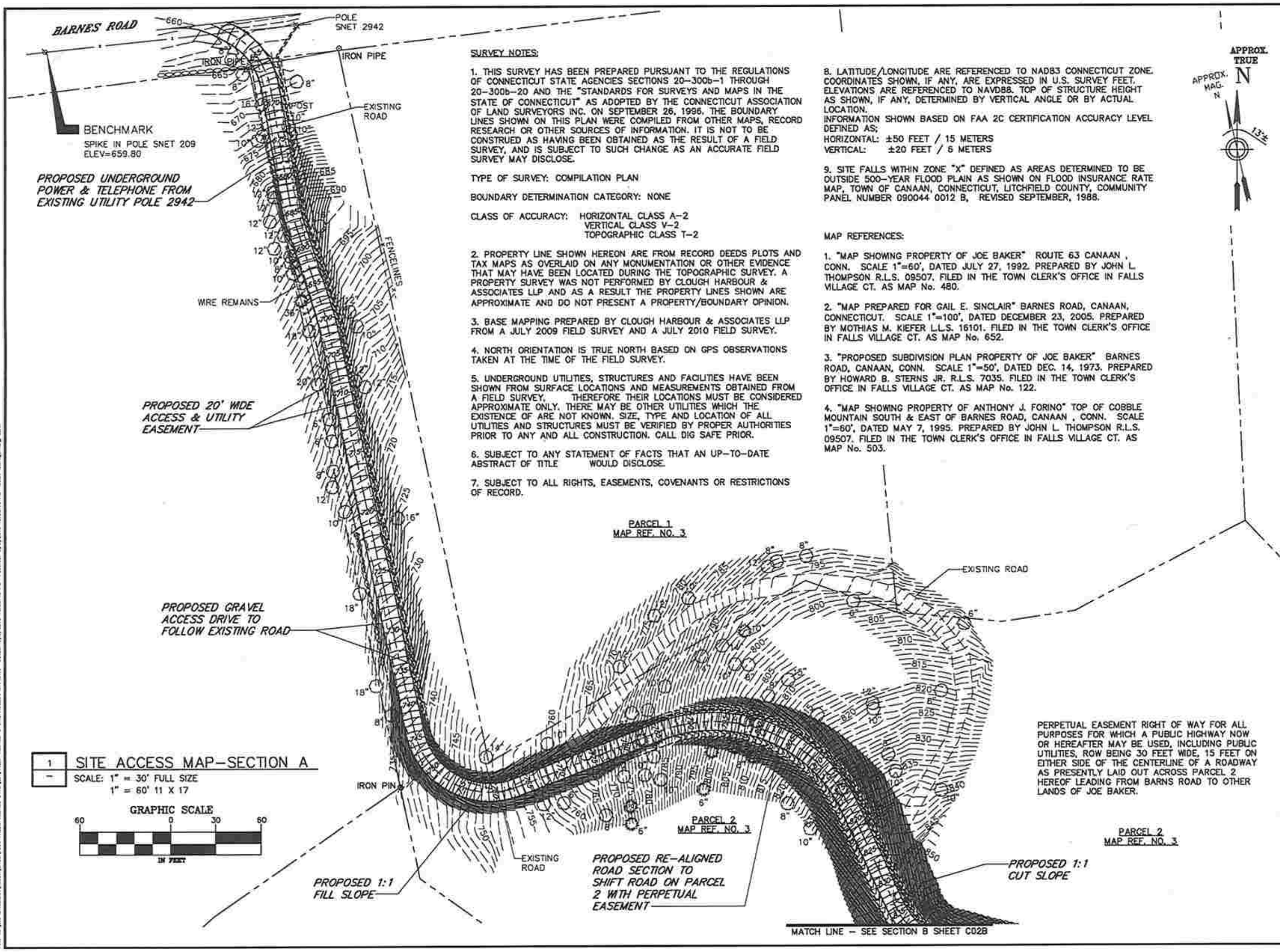
CHA PROJECT NO:
15301 - 1028 - 43000

NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
ABUTTERS
MAP

SHEET NUMBER
C01



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 CLOUGH HARBOUR & ASSOCIATES LLP FROM A JULY 2009 FIELD SURVEY AND A JULY 2010 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 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 2C CERTIFICATION ACCURACY LEVEL DEFINED AS;
HORIZONTAL: ±50 FEET / 15 METERS
VERTICAL: ±20 FEET / 6 METERS

9. SITE FALLS WITHIN ZONE "X" DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF CANAAN, CONNECTICUT, LITCHFIELD COUNTY, COMMUNITY PANEL NUMBER 090044 0012 B, REVISED SEPTEMBER, 1988.

MAP REFERENCES:

1. "MAP SHOWING PROPERTY OF JOE BAKER" ROUTE 63 CANAAN, CONN. SCALE 1"=60', DATED JULY 27, 1992. PREPARED BY JOHN L. THOMPSON R.L.S. 09507. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 480.

2. "MAP PREPARED FOR GAIL E. SINCLAIR" BARNES ROAD, CANAAN, CONNECTICUT. SCALE 1"=100', DATED DECEMBER 23, 2005. PREPARED BY MOTHIAS M. KIEFER L.L.S. 16101. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 652.

3. "PROPOSED SUBDIVISION PLAN PROPERTY OF JOE BAKER" BARNES ROAD, CANAAN, CONN. SCALE 1"=50', DATED DEC. 14, 1973. PREPARED BY HOWARD B. STERNS JR. R.L.S. 7035. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 122.

4. "MAP SHOWING PROPERTY OF ANTHONY J. FORINO" TOP OF COBBLE MOUNTAIN SOUTH & EAST OF BARNES ROAD, CANAAN, CONN. SCALE 1"=60', DATED MAY 7, 1995. PREPARED BY JOHN L. THOMPSON R.L.S. 09507. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 503.

PERPETUAL EASEMENT RIGHT OF WAY FOR ALL PURPOSES FOR WHICH A PUBLIC HIGHWAY NOW OR HEREAFTER MAY BE USED, INCLUDING PUBLIC UTILITIES, ROW BEING 30 FEET WIDE, 15 FEET ON EITHER SIDE OF THE CENTERLINE OF A ROADWAY AS PRESENTLY LAID OUT ACROSS PARCEL 2 HEREOF LEADING FROM BARNS ROAD TO OTHER LANDS OF JOE BAKER.

1 — SITE ACCESS MAP–SECTION A
SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

GRAPHIC SCALE
60 0 30 60
IN FEET

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

CHA
CHA PROJECT NO:
18301 – 1026 – 43000

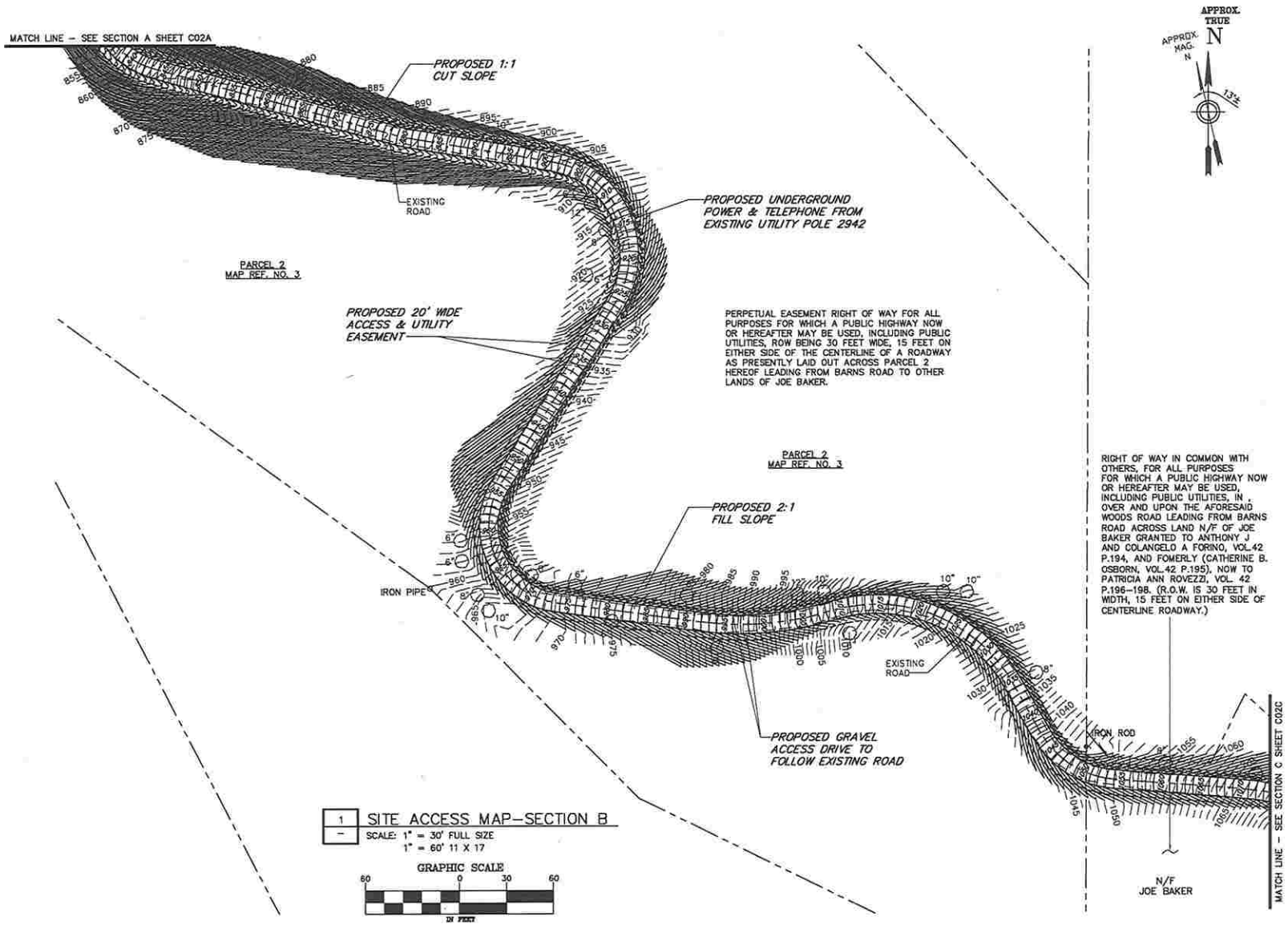
NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

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

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02A



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

CHA

CHA PROJECT NO:
18301 – 1025 – 43000

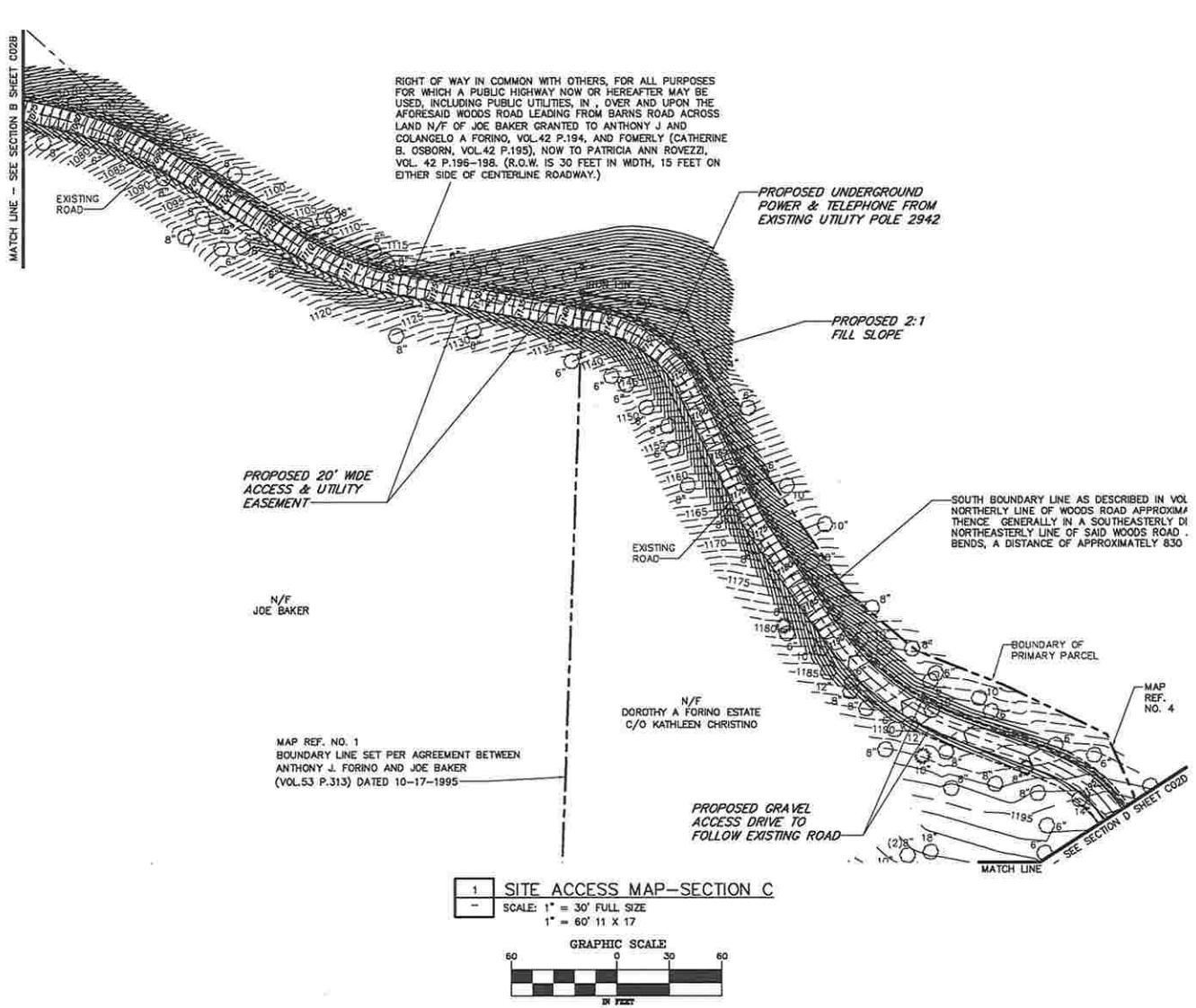
NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

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

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02B



1 — SITE ACCESS MAP—SECTION C

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

GRAPHIC SCALE
60 0 30 60
IN FEET

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

CHA

2139 Silas Deane Highway, Suite 212 · Rocky Hill, CT 06067-2335
Main: (860) 257-4267 · www.chacompanies.com

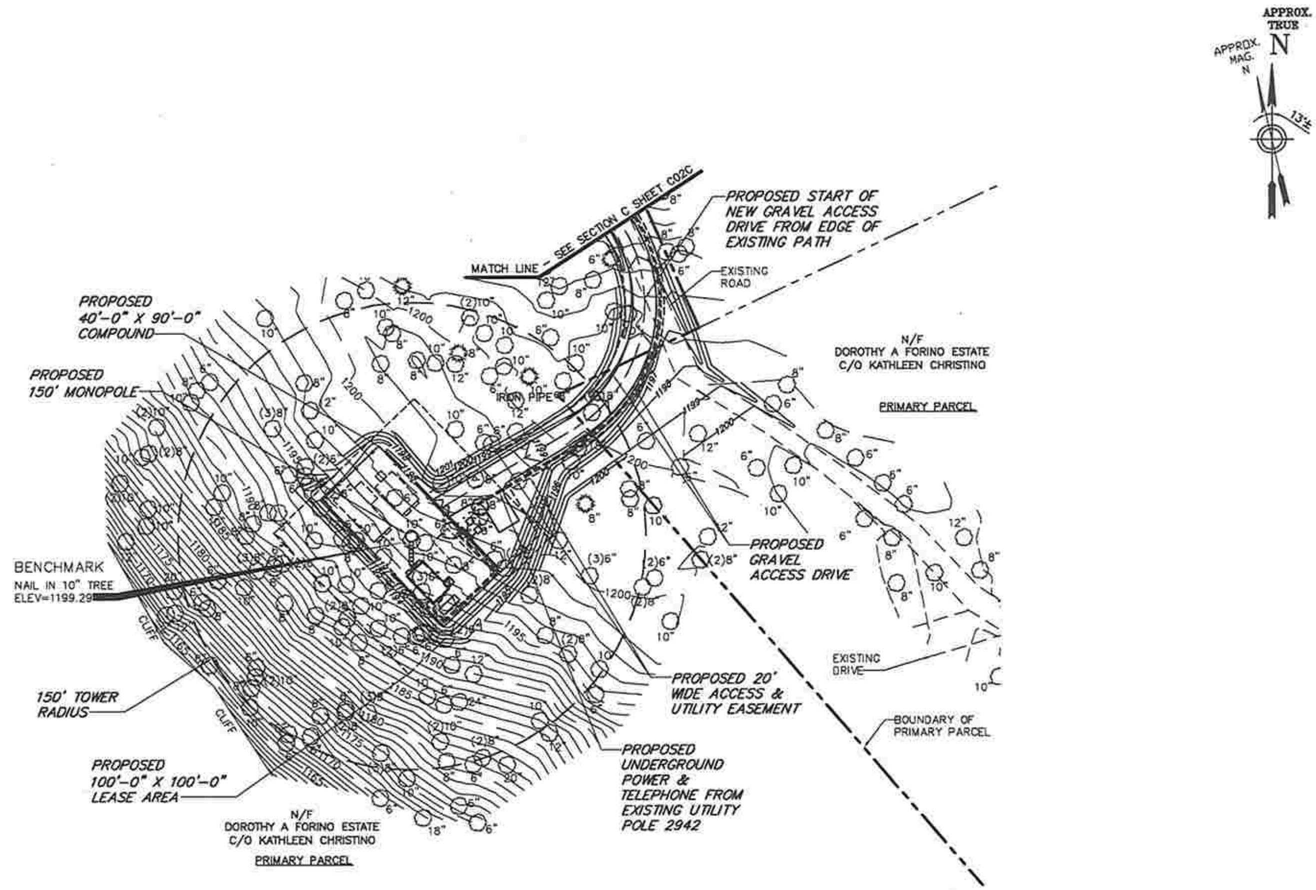
CHA PROJECT NO:
18301 - 1025 - 43000

NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02C


APPROX. TRUE N
APPROX. MAG. N
13°±
MATCH LINE - SEE SECTION C SHEET C02C
PROPOSED START OF NEW GRAVEL ACCESS DRIVE FROM EDGE OF EXISTING PATH
EXISTING ROAD
PROPOSED 40'-0" X 90'-0" COMPOUND
PROPOSED 150' MONOPOLE
N/F DOROTHY A FORINO ESTATE C/O KATHLEEN CHRISTINO
PRIMARY PARCEL
IRON PIPE
BENCHMARK
NAIL IN 10" TREE
ELEV=1199.29
PROPOSED GRAVEL ACCESS DRIVE
EXISTING DRIVE
150' TOWER RADIUS
CLIFF
PROPOSED 20' WIDE ACCESS & UTILITY EASEMENT
BOUNDARY OF PRIMARY PARCEL
PROPOSED 100'-0" X 100'-0" LEASE AREA
PROPOSED UNDERGROUND POWER & TELEPHONE FROM EXISTING UTILITY POLE 2942
N/F DOROTHY A FORINO ESTATE C/O KATHLEEN CHRISTINO
PRIMARY PARCEL

1 SITE ACCESS MAP-SECTION D

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

GRAPHIC SCALE

60 0 30 60

IN FEET

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

CHA

CHA PROJECT NO:
18301 - 1026 - 43000

NO.	SUBMITTAL		
0	08/02/10 BY: JOM	ISSUED FOR CONSTRUCTION CHK: PAL	APP'D: JPS

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

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02D

Transportation
Land Development
Environmental
Services

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9/14

Vanasse Hangen Brustlin, Inc.

NO EFFECT
DEPUTY SHPO
STATE HISTORIC PRESERVATION OFFICE
Date 9-28-10 Project

September 9, 2010

Ref: 41502.06

Mr. Daniel Forrest
Commission on Culture & Tourism
State Historic Preservation Office (SHPO)
One Constitution Plaza, Second Floor
Hartford, CT 06103

Re: Proposed AT&T Wireless Telecommunications Facility
SR-2413 – Falls Village/Canaan
8 Barnes Road
Falls Village, Connecticut

Dear Mr. Forrest:

On behalf of SAI Communications representing New Cingular Wireless PCS, LLC (AT&T), Vanasse Hangen Brustlin, Inc. (VHB) recently submitted the above referenced proposed AT&T wireless telecommunications facility project information to your office for review on August 17, 2010. Since then, VHB has received the attached letter from Mr. Ellery W. Sinclair, Chairman of the Falls Village Conservation Commission, regarding his concerns of potential impacts upon historic properties. In compliance with the public notice requirement under Section 106 of the National Historic Preservation Act (NHPA), we are forwarding this letter to you for review.

We identified one historic site located within the 0.5 mile area of potential effect that is listed on the National Register of Historic Places (NRHP) known as the South Canaan Congregational Church and Meeting House off of Route 63 in South Canaan. As stated in our recent letter submission, VHB conducted a balloon float on July 9, 2010 at the proposed tower facility location to predict potential visibility of the proposed 150-foot tall monopole tower within a 2-mile study area. During which, we investigated potential views from this NRHP listed property. The balloon was not visible from this property. As a result, it is VHB's opinion that the proposed undertaking will have no effect on this historic resource.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

Coreen Kelsey

Coreen Kelsey
Environmental Coordinator

Enclosures: Conservation Commission letter dated September 1, 2010
Copy of VHB's cover letter from SHPO submission package dated August 17, 2010

54 Tuttle Place
Middletown, Connecticut 06457-1847
860.632.1500 ▪ FAX 860.632.7879
email: info@vhb.com
www.vhb.com

Transportation
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Services

VHB imagination | innovation | energy Creating results for our clients and benefits for our communities

Vanasse Hangen Brustlin, Inc.

August 17, 2010

Ref: 41502.06

Mr. Daniel Forrest
Commission on Culture & Tourism
State Historic Preservation Office (SHPO)
One Constitution Plaza, Second Floor
Hartford, CT 06103

NO EFFECT
DEPUTY SHPO
STATE HISTORIC PRESERVATION OFFICE
Date 9-13-10 Project

Re: Proposed AT&T Wireless Telecommunications Facility
SR-2413 – Falls Village/Canaan
8 Barnes Road
Falls Village, Connecticut

Dear Mr. Forrest:

Vanasse Hangen Brustlin, Inc. (VHB) has been retained by SAI Communications representing New Cingular Wireless PCS, LLC (AT&T) to review environmental resource information outlined in 47 CFR Ch.1 § 1.1307 sections (a) and (b) for environmental consequences pursuant to the Federal Communications Commission ("FCC or Commission") requirements. VHB determines the presence of resources listed under the National Environmental Policy Act (NEPA) on or near sites where AT&T proposes to locate a facility. Results of this screening process for the above referenced proposed facility in Falls Village are depicted on the enclosed Cultural Resources Screen map.

AT&T is proposing to construct a new wireless telecommunications facility on portions of property located at 8 Barnes Road in Falls Village, Connecticut. This property has previously been through SHPO review in September 2009, and AT&T received a "no effect" letter from your office (see attached "no effect" letter dated September 29, 2009). However the current proposed facility location has moved approximately 1,000 feet away from the original location reviewed by your office. The proposed facility will consist of a 150-foot tall monopole tower, antennas, and associated ground equipment, and will be installed within a 40' x 90' fenced-enclosed compound within a 100' x 100' lease area. The proposed 20' wide access/utilities easement will be improved along the existing access road on the property, initiating off of Barnes Road and continuing in a southeasterly direction towards the proposed compound/lease area. AT&T antennas will be attached to the monopole at a centerline height of 147 feet above ground level and associated ground equipment will be installed at its base within a proposed 12' x 20' AT&T equipment shelter. The monopole and compound area will be developed for use by future wireless service providers. Refer to attached Site Plans for details.

The Cultural Resources Screen revealed the existence of a National Register of Historic Places (NRHP) listed historic site located approximately 0.5-mile northwest of the proposed tower facility, identified as the South Canaan Congregational Church located at Route 63 and Barnes Road. On July 9, 2010, VHB conducted a balloon float at the proposed tower facility location to predict potential visibility of the proposed 150-foot tall monopole tower within a 2-mile study area. During which, we investigated potential views from the South Canaan Congregational Church. The balloon was not visible from this property. As a result, it is VHB's opinion that the proposed undertaking will have no effect on this historic resource.

54 Tuttle Place
Middletown, Connecticut 06457-1847
860.632.1500 ▪ FAX 860.632.7879
email: info@vhb.com
www.vhb.com

CUDDY& FEDER LLP

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

October 29, 2009

VIA FIRST CLASS MAIL
First Selectman Patricia Allyn Mechare
Town of Canaan
Falls Village
Town Hall
P.O. Box 47
Falls Village, CT 06031-0047
Phone: (860) 824-0707

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
8 Barnes Road
Town of Canaan, Falls Village, Connecticut

Dear First Selectman Mechare:

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 8 Barnes Road in the Town of Canaan, Falls Village. 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 Canaan 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 Falls Village 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 Falls Village 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 for

Christopher B. Fisher

Enclosure

cc w/ enclosures:

Michael O'Neil, Zoning Enforcement Officer
Michelle Briggs, AT&T
David Vivian, SAI Communications
Lucia Chiocchio, 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

November 3, 2009

VIA FIRST CLASS MAIL
First Selectman Patricia Allyn Mechare
Town of Canaan
Falls Village
Town Hall
P.O. Box 47
Falls Village, CT 06031-0047
Phone: (860) 824-0707

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
8 Barnes Road
Town of Canaan, Falls Village, Connecticut

Dear First Selectman Mechare:

Per your request and on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T"), we are forwarding three (3) additional copies of AT&T's Technical Report, which was previously sent to you and the Zoning Enforcement Officer. The Technical Report includes information about the need for AT&T's above referenced tower facility, a summary of the site selection process and the environmental effects of a tower that has been proposed.

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. We discussed a public information session as part of the municipal consultation for such facilities as set forth in Section 16-50l(e) of the Connecticut General Statutes. We look forward to hearing from you regarding the scheduling of the information session.

Thank you for your consideration in this matter.

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

Enclosure
cc w/o enclosures:
Michelle Briggs, AT&T
David Vivian, SAI Communications
Christopher B. Fisher, Esq.

CUDDY & FEDER LLP

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

January 21, 2010

VIA FACSIMILE (860)-824-4506
First Selectman Patricia Allyn Mechare
Town of Canaan
Falls Village
Town Hall
P.O. Box 47
Falls Village, CT 06031-0047
Phone: (860) 824-0707

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
8 Barnes Road
Town of Canaan, Falls Village, Connecticut

Dear First Selectman Mechare:

We are writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with AT&T's proposed wireless telecommunications tower facility to be located at 8 Barnes Road in the Town of Canaan, Falls Village. Please be advised that a balloon will be raised at the proposed location from approximately 9:00 a.m. until 4:00 p.m. on Tuesday, January 26th, with an inclement weather date of Thursday, January 28th. The balloon will be raised to the proposed height of 120' for purposes of gathering additional visual data.

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

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

cc: Michelle Briggs, AT&T
David Vivian, SAI Communications
Christopher B. Fisher, Esq.

CUDDY & FEDER LLP

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

January 27, 2010

VIA FACSIMILE (860)-824-4506
First Selectman Patricia Allyn Mechare
Town of Canaan
Falls Village
Town Hall
P.O. Box 47
Falls Village, CT 06031-0047
Phone: (860) 824-0707

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
8 Barnes Road
Town of Canaan, Falls Village, Connecticut

Dear First Selectman Mechare:

I am writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with the above referenced facility and the rescheduling of the balloon test originally planned for this week. As I noted in my voicemail message, the balloon test has been rescheduled due to the wind forecast for tomorrow. Please be advised that a balloon will be raised at the proposed location from approximately 9:00 a.m. until 4:00 p.m. on Tuesday, February 2nd, with inclement weather dates of Wednesday, February 3rd or Thursday, February 4th. As previously noted, the balloon will be raised to the proposed height of 120' for purposes of gathering additional visual data.

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

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

cc: Michelle Briggs, AT&T
David Vivian, SAI Communications
Christopher B. Fisher, Esq.

TOWN OF CANAAN
108 Main Street
P.O. Box 47
Falls Village, CT 06031-0047

Connecticut Tax Town 021
AN EQUAL OPPORTUNITY EMPLOYER,
PROVIDER AND HOUSING ADVOCATE

Telephone: 860 824-0707
Fax: 860 824-4506
E-mail: canaan021selectmen@comcast.net

March 19th, 2010

Ms Lucia Chiocchio
CUDDY & FEDER
445 Hamilton Avenue, 14th Floor
White Plains, New York 10601

Re: Tower Site, Falls Village (Town of Canaan)

Dear Ms Chiocchio:

Shortly you will receive a communication from Greg Marlowe, General Manager of Century Aggregates in Falls Village, who has an interesting site for AT&T to consider as a possible alternative to the Cobble Hill site.

Primarily, the advantage to AT&T is the easy access to a cleared industrial site immediately adjacent to Sand Road, thus eliminating the expense of the very problematic access up Cobble Hill from Barnes Road. In addition, the Century Aggregates site avoids the resulting environmental disruption and violation of the view-shed from many properties and homes in Falls Village by the 120' proposed tower on Cobble Hill.

We anticipate that perhaps this Century Aggregates site in conjunction with your utilizing the proposed Wireless Edge tower at Music Mountain (discussions are presently underway), about which Nicholas Gordon has apprised you previously.

If I have not directed this communication to the appropriate party, I would appreciate your forwarding it or providing me with that contact.

Sincerely,

Ellery W. Sinclair, Chairman
Inland Wetland / Conservation Commission

Copy: Greg Marlowe, General Manager, Century Aggregates
Fred Laser, Chairman Planning and Zoning Commission

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 24, 2010

VIA FAX (860) 824-4506 & FIRST CLASS MAIL
Ellery W. Sinclair, Chairman
Inland Wetland/Conservation Commission
Town of Canaan
Falls Village
108 Main Street
P.O. Box 47
Falls Village, CT 06031-0047
Phone: (860) 824-0707

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
8 Barnes Road
Town of Canaan, Falls Village, Connecticut

Dear Chairman Sinclair:

I am writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with the above referenced facility and in response to your March 19, 2010 letter regarding your two suggested alternative sites - Music Mountain and Century Aggregate.

As you know, the Music Mountain property is located well south of AT&T's proposed Barnes Road facility and the Century Aggregate property is located well north of AT&T's proposed facility. In and of themselves, neither site is a viable alternative to the AT&T proposed site on Barnes Road. Indeed, as demonstrated in the enclosed coverage plot, AT&T studied the Music Mountain site as high as 196' AGL and it simply would not provide adequate and reliable coverage to the public in areas AT&T is looking to serve with the proposed site at 8 Barnes Road.

Moreover, the Century Aggregate property is located in close proximity to an existing AT&T facility owned by Litchfield County Dispatch. As such, the Century Aggregate site would be largely redundant and cannot be used by AT&T in any scenario including a two tower site combination. While not requested in your letter, AT&T did also investigate the feasibility of providing service with a two tower site combination involving the Music Mountain property and a site at the approved tower facility at the Falls Village Fire Department site. This combination is similarly not a viable alternative largely due to the coverage limitations of the Music Mountain location.

AT&T is continuing to pursue its proposed Barnes Road facility in conjunction with future co-location on the approved Verizon facility at the Falls Village Volunteer Fire Department in order to provide adequate and reliable service in this area of the State. AT&T is in the process of

assembling its Application for a Certificate of Environmental Compatibility and Public Need for filing with the Connecticut Siting Council and we welcome any comments you may have at this time notwithstanding close of the technical consultation process pursuant to Section 16-50*l* of the Connecticut General Statutes. Thank you for your understanding in this regard.

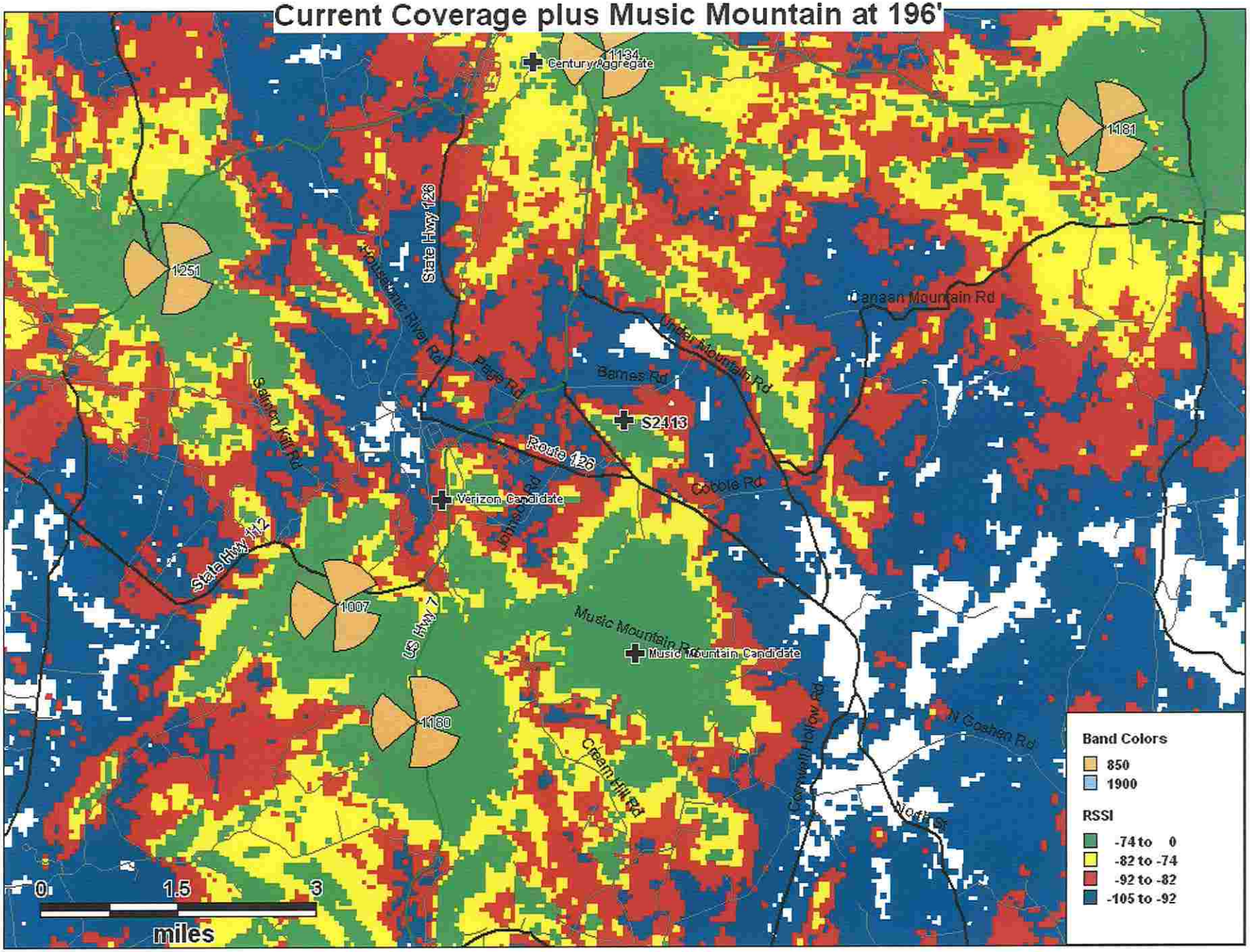
Should you have any questions regarding this information, do not hesitate to contact me.

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

cc: First Selectwoman Patricia Allyn Mechare
Frederick Laser, Chairman, Planning & Zoning Commission
Michelle Briggs, AT&T
David Vivian, SAI
John Blevins, AT&T
Anthony Wells, C Squared
Christopher B. Fisher, Esq.


Current Coverage plus Music Mountain at 196'
Century Aggregate
1134
1181
1251
State Hwy 123
Housatonic River Rd
Page Rd
Barnes Rd
Upper Mountain Rd
Canaan Mountain Rd
S2413
Route 126
Gobble Rd
Verizon Candidate
Johnson Rd
Salmon Kill Rd
State Hwy 112
1007
US Hwy 7
Music Mountain Rd
Music Mountain Candidate
1180
Cream Hill Rd
Cornwall Hollow Rd
N Goshen Rd
Band Colors
850
1900
RSSI
-74 to 0
-82 to -74
-92 to -82
-105 to -92
0
1.5
3
miles

CUDDY & FEDER LLP

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

September 10, 2010

VIA OVERNIGHT MAIL
First Selectwoman Patricia Allyn Mechare
Town of Canaan
Falls Village
Town Hall
P.O. Box 47
Falls Village, CT 06031-0047
Phone: (860) 824-0707

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
8 Barnes Road
Town of Canaan, Falls Village, Connecticut

Dear First Selectwoman Mechare:

I am writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with the above referenced tower facility proposed for service in Falls Village.

As you will recall, we consulted with your office on this project in late 2009 pursuant to Section 16-50*l* of the Connecticut General Statutes. Through your assistance, a public information session was held on December 9, 2009 and overseen by the Town's Conservation Commission. That session provided an important forum for the exchange of information on the proposed facility and AT&T very much appreciated the opportunity to present its project to the public at that time.

While no formal recommendations were made to AT&T by the Town as part of the Section 16-50*l* consultation, various comments and suggested alternatives were provided to AT&T by Town officials as part of the public information session. Additionally, a few members of the public were directed to our office for further evaluation of possible alternative sites. Given same, and in lieu of immediately filing an application with the State Siting Council, AT&T tasked its consultants with continuing their due diligence, developing additional factual information in response to public comments and to assess any suggested alternatives.

The purpose of this letter is to update your office on the status of those efforts and notify you of AT&T's intent to file an application with the Siting Council within the coming weeks.

Suggested Alternative Tower Sites from the Town Technical Consultation

At the public information session in December, representatives of AT&T summarized and reviewed the nine (9) locations investigated as detailed in AT&T's Technical Report. Included in this investigation of alternatives was the approved Verizon Wireless facility to be located at the Falls Village Volunteer Fire Department location. As noted in AT&T's Technical Report and at the public information session, co-location at this approved site would not fill in gaps in coverage associated with the proposed site at Barnes Road. In fact, AT&T would use the

approved Verizon Fire Department site in the future to provide service to a different area of Falls Village and in conjunction with the proposed tower on Barnes Road.

Subsequent to the public information session, the president of Music Mountain contacted our office and suggested the Music Mountain property as an alternative site. By letter dated March 19, 2010, the Chairman of the Inland Wetland and Conservation Commissions suggested the Century Aggregate property in addition to the Music Mountain property as another potential alternative location(s). Upon investigation of these suggested alternative sites by AT&T's Site Acquisition specialist and Radio Frequency engineers, it was determined that neither property would be a viable alternative to the proposed site at Barnes Road. As you know, AT&T's findings regarding these suggested alternative sites were provided to Chairman Sinclair on March 24, 2010 and a copy of our March 24th letter is attached for your convenience.

We are not aware of any other alternative site being suggested by Town officials or the public.

Access Drive & Tower Site

As discussed at the public information session, vehicle access to the facility will be provided over an existing access drive and logging trail that will be improved with gravel. Nevertheless, there were some concerns expressed at the public information session about the length of the access drive to be improved and potential impacts based on the slope of the drive as it traverses the property up to the proposed tower site.

As noted in more detail below, AT&T is relocating the tower site on the property at 8 Barnes Road. One of the reasons for the relocation is in direct response to this comment. By relocating the tower site, the access drive and associated improvements by AT&T have been shortened by approximately 1,040 feet.

Of note, the existing access is supported by a recorded perpetual easement and right-of-way for all purposes for which a public highway may be used and benefits the subject property. The improved access drive will be engineered to accommodate access by AT&T's maintenance vehicles and for tower facility construction vehicles. It should also be noted that according to the agreements that established this existing access drive, maintenance is to be shared equally by all of the benefiting properties. However, it is our understanding that the owners of subject property have been solely responsible for the maintenance of the access drive for several years.

AT&T's Proposed Tower Facility at 8 Barnes Road

Upon further analysis of this area of Falls Village, AT&T determined that locating the tower on another area of the property at 8 Barnes Road property and increasing its height by 30' would provide improved service in Town, greater integration of the site into its existing network and minimize the need for additional sites in the future. This tower site location is approximately 1,200 feet to the west and slightly north of the tower site location identified in the Technical Report. At this location, AT&T is proposing a monopole approximately 150' in height to provide its service and allow collocation by other carriers. A copy of the revised facility drawings are enclosed for your files. Additional updated materials will be incorporated into AT&T's Application for a Certificate of Environmental Compatibility and Public Need ("Application") to be filed with the State Siting Council.

Also, as discussed previously, AT&T is willing to provide space on its proposed tower facility for Town emergency communications equipment. Enclosed is a letter from AT&T offering space on the proposed tower facility for the Town's emergency communications equipment at no lease fee.

Tower Visibility

Subsequent to the public information session, AT&T provided notice to the Town of a balloon float that was held on February 2nd for the purposes of obtaining additional visual data. The additional visual data and relocation of the proposed tower site on the property are currently being incorporated into an updated visual analysis, map and report which will be included in AT&T's Application to the State Siting Council. As requested, the updated visual analysis will include more detailed information on the three Upper Housatonic Valley National Heritage Area Sites located within the two mile radius study area - Robbins Swamp, Canaan Mountain and the South Canaan Meeting House. Based on discussions with AT&T's consultant, VHB, the proposed relocated facility will not be visible from the South Canaan Meeting House or Canaan Mountain. Additionally, we are advised that potential views of the proposed tower facility from Robbins Swamp will be not be significant given its distance approximately one mile away.

Miscellaneous Information

The following information is provided in response to questions that were raised at the public information session:

- All facilities that are issued a Certificate of Environmental Compatibility and Public Need by the Siting Council are conditioned on removal of any facilities that are no longer in use. As such, if an approved facility ceases operation, it must be removed based on the terms and conditions specified in the Siting Council's Decision & Order.

- The construction of AT&T's proposed facility has and overall site disturbance of approximately 3.04 acres. According to the wetlands delineation already provided to the Town as part of the technical consultation and subsequent delineation updates for the tower site relocation, no wetlands are located on the property.

- The address, 55 Page Road noted in the Viewshed Map provided in the Technical Report, was confirmed a valid address.

- On the Flood Insurance Rate Map included in the Technical Report, the "RM4" notation is an abbreviation for "Reference Mark."

Next Steps

AT&T is in the process of assembling its Application for a Certification of Environmental Compatibility and Public Need for its proposed facility and will be filing it with the Connecticut Siting Council within the coming weeks. As you know, the Siting Council and State Law require an applicant to provide notice of intent to file an application. Accordingly, AT&T will be publishing a notice of intent to file in the Lakeville Journal and The Register Citizen newspapers. In addition, notice will be sent by certified mail to abutting landowners. As such, your office

may receive calls in advance of the Application actually being on file with the State Siting Council and/or prior to your receipt of copies of the Application. This is, however, the State process specified in the Connecticut General Statutes.

In the interim, if you or other Town representatives have any questions or need anything further please do not hesitate to contact me.

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

Enclosures

cc: Ellery Sinclair, Chairman, Inland Wetland Commission
Frederick Laser, Chairman, Planning & Zoning Commission
Michelle Briggs, AT&T
David Vivian, SAI
Anthony Wells, C Squared
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 24, 2010

VIA FAX (860) 824-4506 & FIRST CLASS MAIL
Ellery W. Sinclair, Chairman
Inland Wetland/Conservation Commission
Town of Canaan
Falls Village
108 Main Street
P.O. Box 47
Falls Village, CT 06031-0047
Phone: (860) 824-0707

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
8 Barnes Road
Town of Canaan, Falls Village, Connecticut

Dear Chairman Sinclair:

I am writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with the above referenced facility and in response to your March 19, 2010 letter regarding your two suggested alternative sites - Music Mountain and Century Aggregate.

As you know, the Music Mountain property is located well south of AT&T's proposed Barnes Road facility and the Century Aggregate property is located well north of AT&T's proposed facility. In and of themselves, neither site is a viable alternative to the AT&T proposed site on Barnes Road. Indeed, as demonstrated in the enclosed coverage plot, AT&T studied the Music Mountain site as high as 196' AGL and it simply would not provide adequate and reliable coverage to the public in areas AT&T is looking to serve with the proposed site at 8 Barnes Road.

Moreover, the Century Aggregate property is located in close proximity to an existing AT&T facility owned by Litchfield County Dispatch. As such, the Century Aggregate site would be largely redundant and cannot be used by AT&T in any scenario including a two tower site combination. While not requested in your letter, AT&T did also investigate the feasibility of providing service with a two tower site combination involving the Music Mountain property and a site at the approved tower facility at the Falls Village Fire Department site. This combination is similarly not a viable alternative largely due to the coverage limitations of the Music Mountain location.

AT&T is continuing to pursue its proposed Barnes Road facility in conjunction with future co-location on the approved Verizon facility at the Falls Village Volunteer Fire Department in order to provide adequate and reliable service in this area of the State. AT&T is in the process of

assembling its Application for a Certificate of Environmental Compatibility and Public Need for filing with the Connecticut Siting Council and we welcome any comments you may have at this time notwithstanding close of the technical consultation process pursuant to Section 16-50*l* of the Connecticut General Statutes. Thank you for your understanding in this regard.

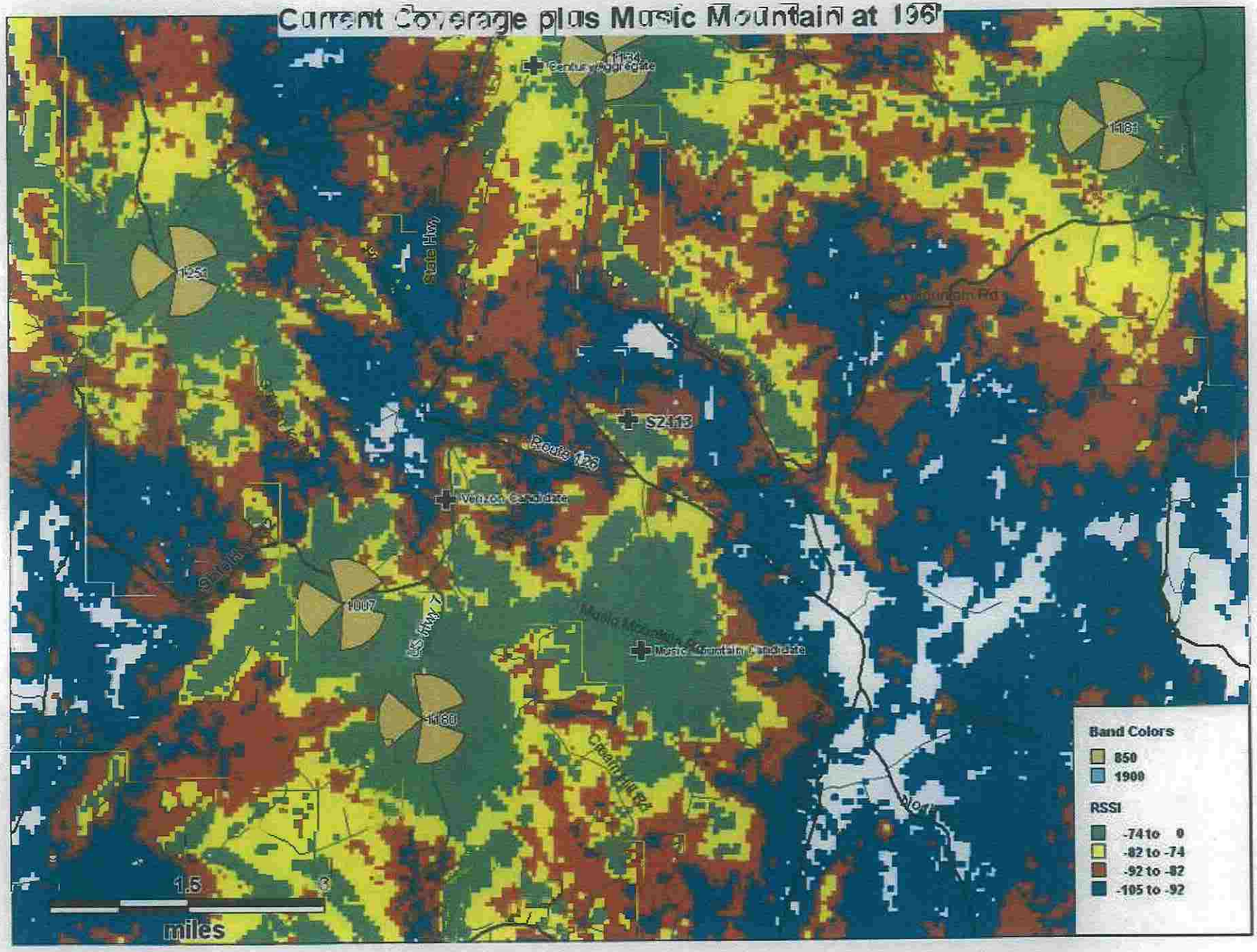
Should you have any questions regarding this information, do not hesitate to contact me.

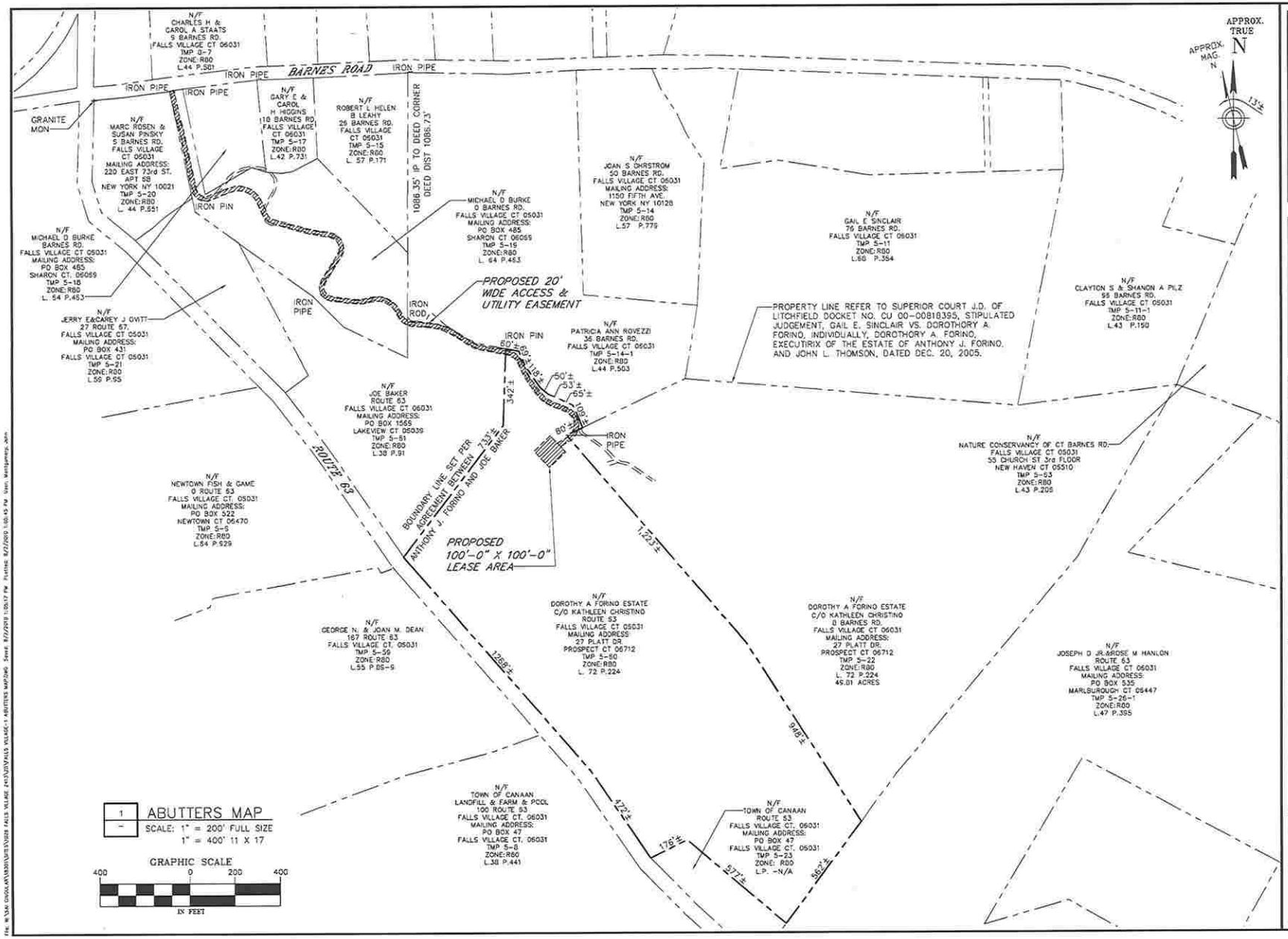
Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

cc: First Selectwoman Patricia Allyn Mechare
Frederick Laser, Chairman, Planning & Zoning Commission
Michelle Briggs, AT&T
David Vivian, SAI
John Blevins, AT&T
Anthony Wells, C Squared
Christopher B. Fisher, Esq.


Current Coverage plus Music Mountain at 196'
1134
1163
1251
1007
1160
SZ413
Peoria 123
Band Colors
850
1900
RSSI
-74 to 0
-82 to -74
-92 to -82
-105 to -92
1.5
3
miles



at&t
Your world, Delivered.

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) 257-4007 · www.chacompanies.com

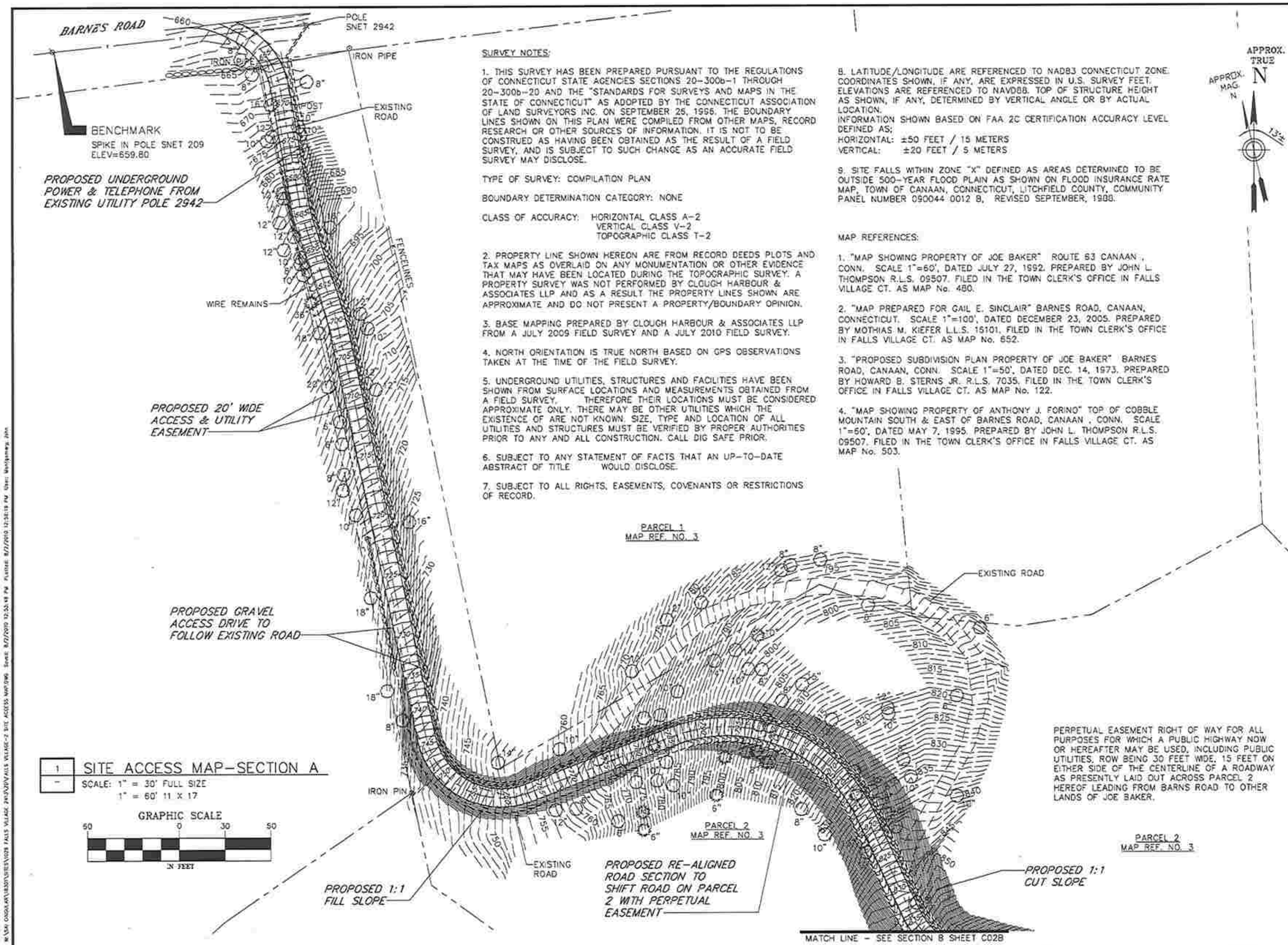
CHA PROJECT NO:
10301 – 1025 – 43000

NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
ABUTTERS MAP

SHEET NUMBER
C01



1 SITE ACCESS MAP–SECTION A
SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

GRAPHIC SCALE
50 0 30 50
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 CLOUGH HARBOUR & ASSOCIATES LLP FROM A JULY 2009 FIELD SURVEY AND A JULY 2010 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 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 2C CERTIFICATION ACCURACY LEVEL DEFINED AS:
HORIZONTAL: ±50 FEET / 15 METERS
VERTICAL: ±20 FEET / 5 METERS

9. SITE FALLS WITHIN ZONE "X" DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF CANAAN, CONNECTICUT, LITCHFIELD COUNTY, COMMUNITY PANEL NUMBER 090044 0012 B, REVISED SEPTEMBER, 1988.

MAP REFERENCES:

1. "MAP SHOWING PROPERTY OF JOE BAKER" ROUTE 63 CANAAN, CONN. SCALE 1"=60', DATED JULY 27, 1992. PREPARED BY JOHN L. THOMPSON R.L.S. 09507. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 480.

2. "MAP PREPARED FOR GAIL E. SINCLAIR" BARNES ROAD, CANAAN, CONNECTICUT. SCALE 1"=100', DATED DECEMBER 23, 2005. PREPARED BY MOTHIAS M. KIEFER L.L.S. 15101. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 652.

3. "PROPOSED SUBDIVISION PLAN PROPERTY OF JOE BAKER" BARNES ROAD, CANAAN, CONN. SCALE 1"=50', DATED DEC. 14, 1973. PREPARED BY HOWARD B. STERNS JR. R.L.S. 7035. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 122.

4. "MAP SHOWING PROPERTY OF ANTHONY J. FORINO" TOP OF COBBLE MOUNTAIN SOUTH & EAST OF BARNES ROAD, CANAAN, CONN. SCALE 1"=60', DATED MAY 7, 1995. PREPARED BY JOHN L. THOMPSON R.L.S. 09507. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 503.

at&t
Your world. Delivered.

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

CHA

CHA PROJECT NO:
10301 - 1025 - 43000

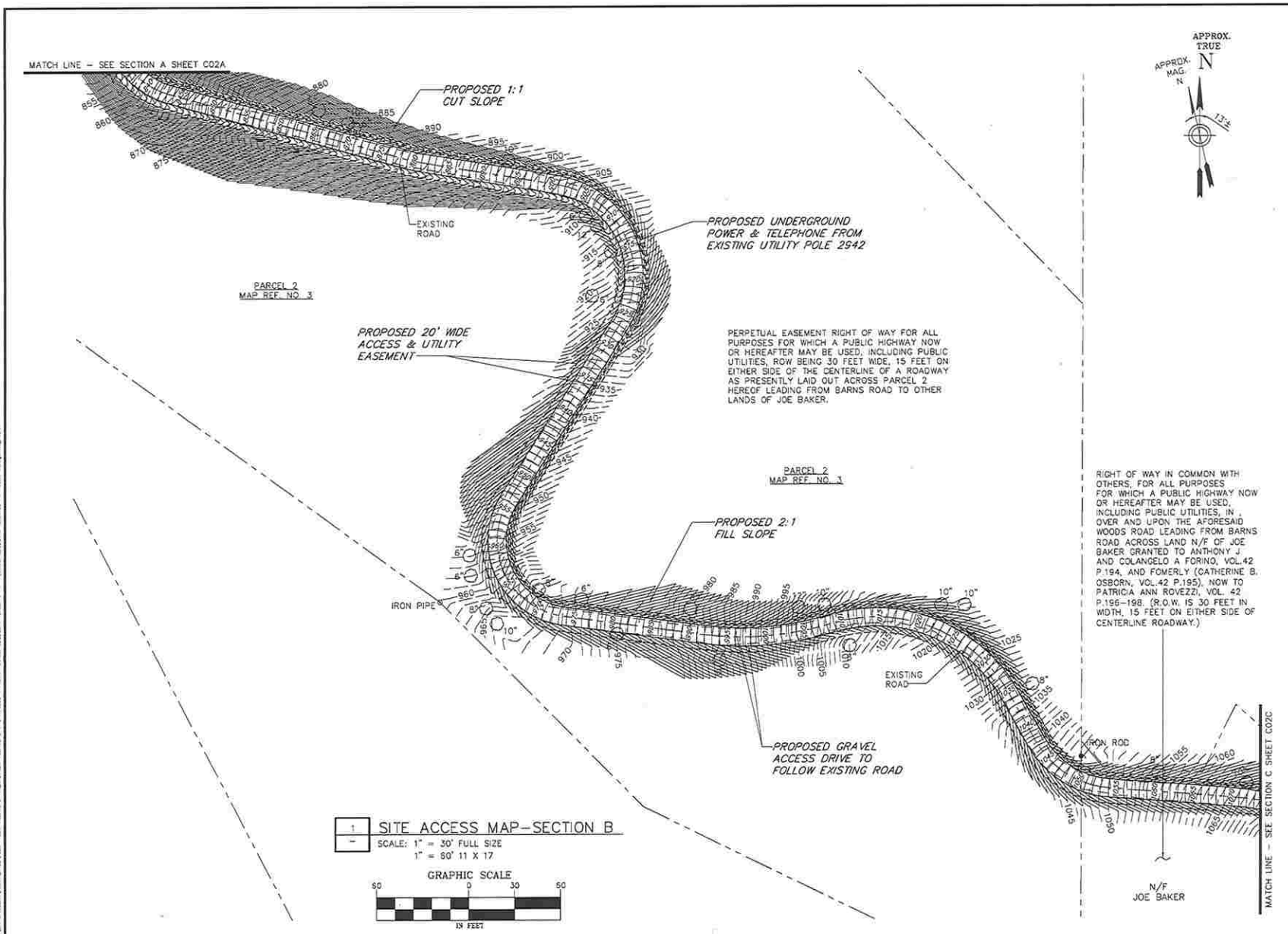
NO	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

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

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02A



1 SITE ACCESS MAP–SECTION B
SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

at&t
Your world. Delivered.

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

CHA
2136 Silas Deane Highway, Suite 212 · Rocky Hill, CT 06067-2336
Main: (860) 257-4467 · www.chacompanies.com

CHA PROJECT NO:
10301 – 1025 – 43000

NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

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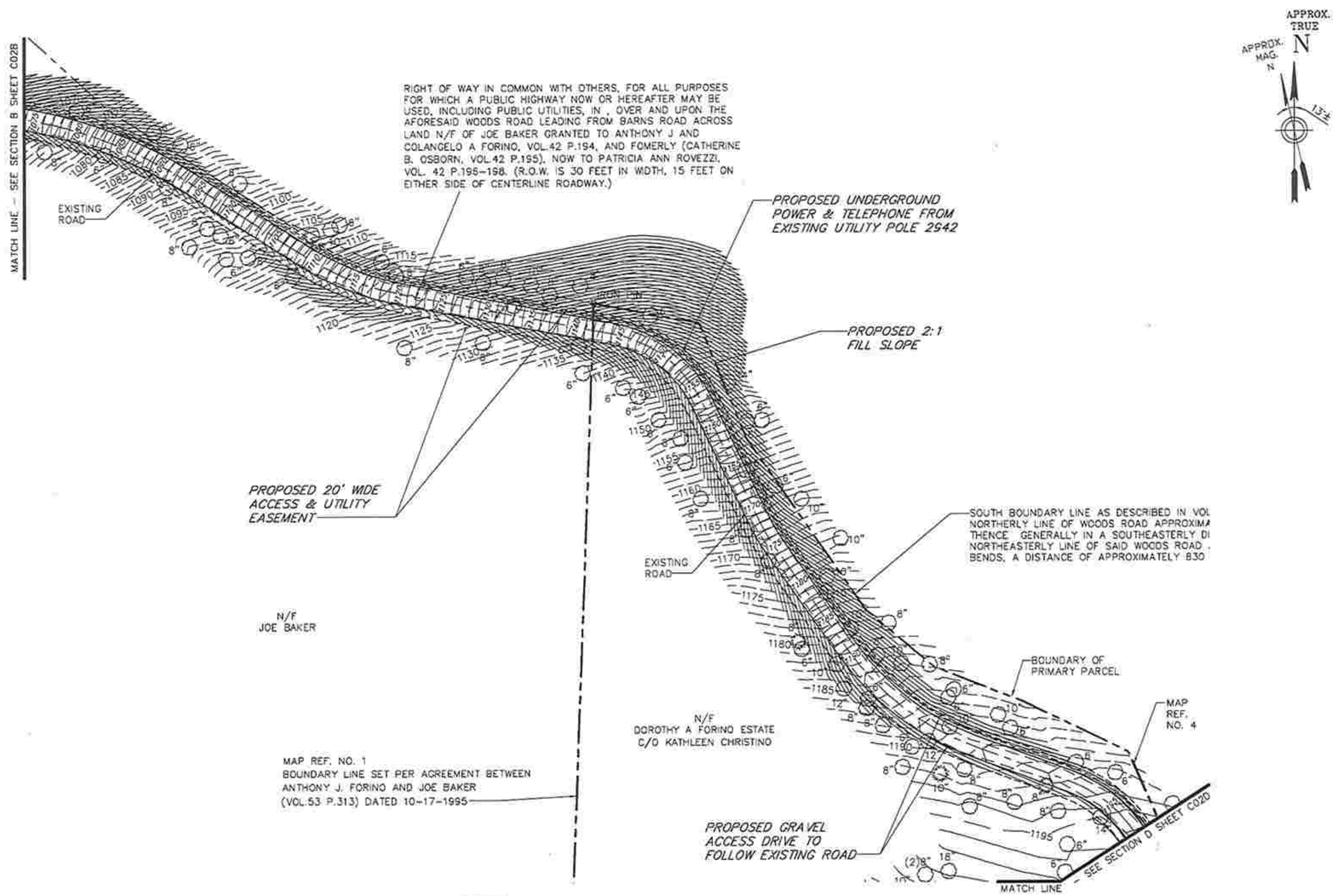
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02B


MATCH LINE - SEE SECTION B SHEET C02B
RIGHT OF WAY IN COMMON WITH OTHERS, FOR ALL PURPOSES FOR WHICH A PUBLIC HIGHWAY NOW OR HEREAFTER MAY BE USED, INCLUDING PUBLIC UTILITIES, IN , OVER AND UPON THE AFORESAID WOODS ROAD LEADING FROM BARNS ROAD ACROSS LAND N/F OF JOE BAKER GRANTED TO ANTHONY J AND COLANGELO A FORINO, VOL.42 P.194, AND FOMERLY (CATHERINE B. OSBORN, VOL.42 P.195). NOW TO PATRICIA ANN ROVEZZI, VOL. 42 P.195-198. (R.O.W. IS 30 FEET IN WIDTH, 15 FEET ON EITHER SIDE OF CENTERLINE ROADWAY.)
EXISTING ROAD
PROPOSED UNDERGROUND POWER & TELEPHONE FROM EXISTING UTILITY POLE 2942
PROPOSED 2:1 FILL SLOPE
APPROX. TRUE N
APPROX. MAG. N
PROPOSED 20' WIDE ACCESS & UTILITY EASEMENT
SOUTH BOUNDARY LINE AS DESCRIBED IN VOL NORTHERLY LINE OF WOODS ROAD APPROXIMA THENCE GENERALLY IN A SOUTHEASTERLY DI NORTHEASTERLY LINE OF SAID WOODS ROAD . BENDS, A DISTANCE OF APPROXIMATELY 830
EXISTING ROAD
N/F JOE BAKER
BOUNDARY OF PRIMARY PARCEL
MAP REF. NO. 4
N/F DOROTHY A FORINO ESTATE C/O KATHLEEN CHRISTINO
MAP REF. NO. 1 BOUNDARY LINE SET PER AGREEMENT BETWEEN ANTHONY J. FORINO AND JOE BAKER (VOL.53 P.313) DATED 10-17-1995
PROPOSED GRAVEL ACCESS DRIVE TO FOLLOW EXISTING ROAD
MATCH LINE - SEE SECTION D SHEET C02D

1 SITE ACCESS MAP–SECTION C
SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

GRAPHIC SCALE
50 0 30 50
IN FEET

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

CHA
2139 Silas Deane Highway, Suite 212 · Rocky Hill, CT 06067-2336

CHA PROJECT NO:
10301 – 1025 – 43000

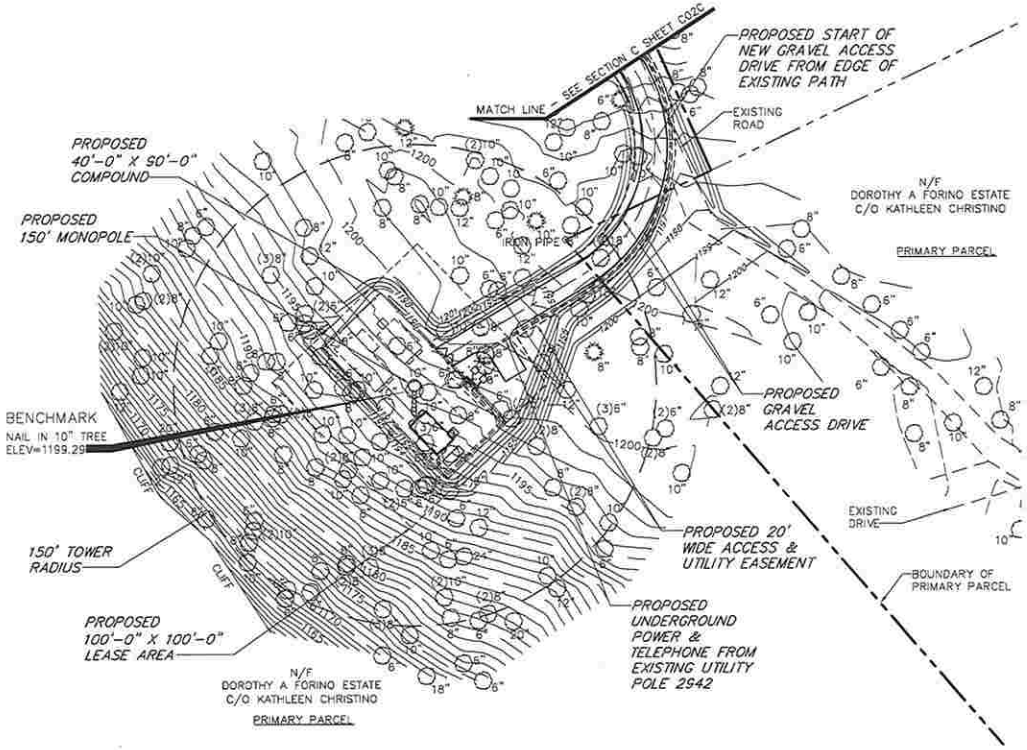
NO.	SUBMITTAL		
0	08/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

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

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02C



1 SITE ACCESS MAP-SECTION D

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

GRAPHIC SCALE

60 0 30 60

IN FEET

APPROX. TRUE N

APPROX. MAG. N

13°E

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

CHA

2136 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2338
Main: (860) 257-4057 - www.chacompanies.com

CHA PROJECT NO:
10301 - 1025 - 43000

NO.	SUBMITTAL		
0	09/02/10	ISSUED FOR CONSTRUCTION	
	BY: JDM	CHK: PAL	APP'D: JPS

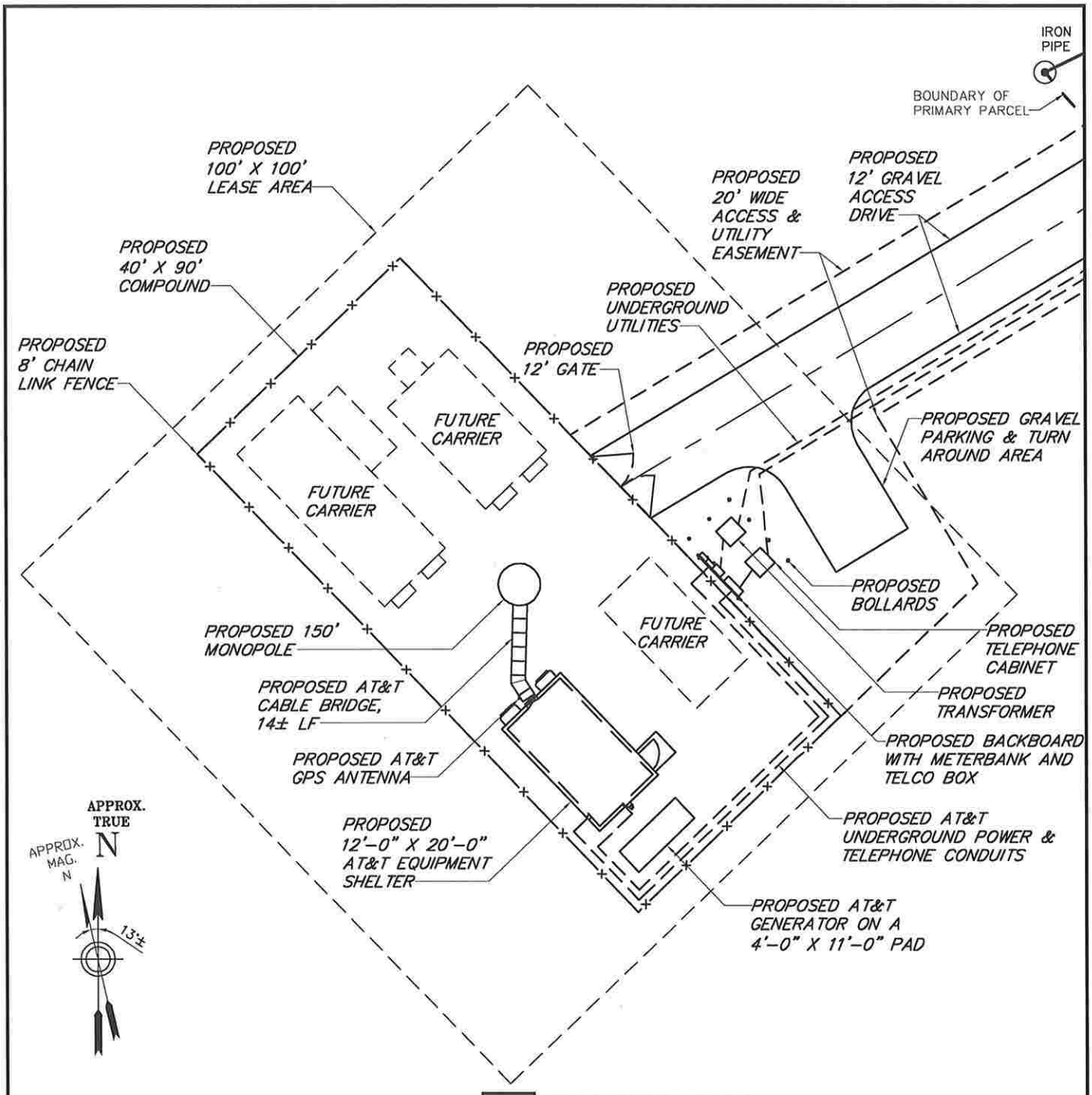
SITE ID:
SR2413

SITE NAME:
FALLS VILLAGE/CANAAN

SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02D



1 — COMPOUND PLAN
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 10 20
IN FEET

BASEMAP NOTES:

1. BASEMAP INFORMATION OBTAINED FROM SURVEYS PERFORMED BY CLOUGH HARBOUR & ASSOCIATES LLP IN JULY 2009 AND JULY 2010.

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

SR2413
FALLS VILLAGE/CANAAN
8 BARNES ROAD
FALLS VILLAGE, CT 06031
LITCHFIELD COUNTY

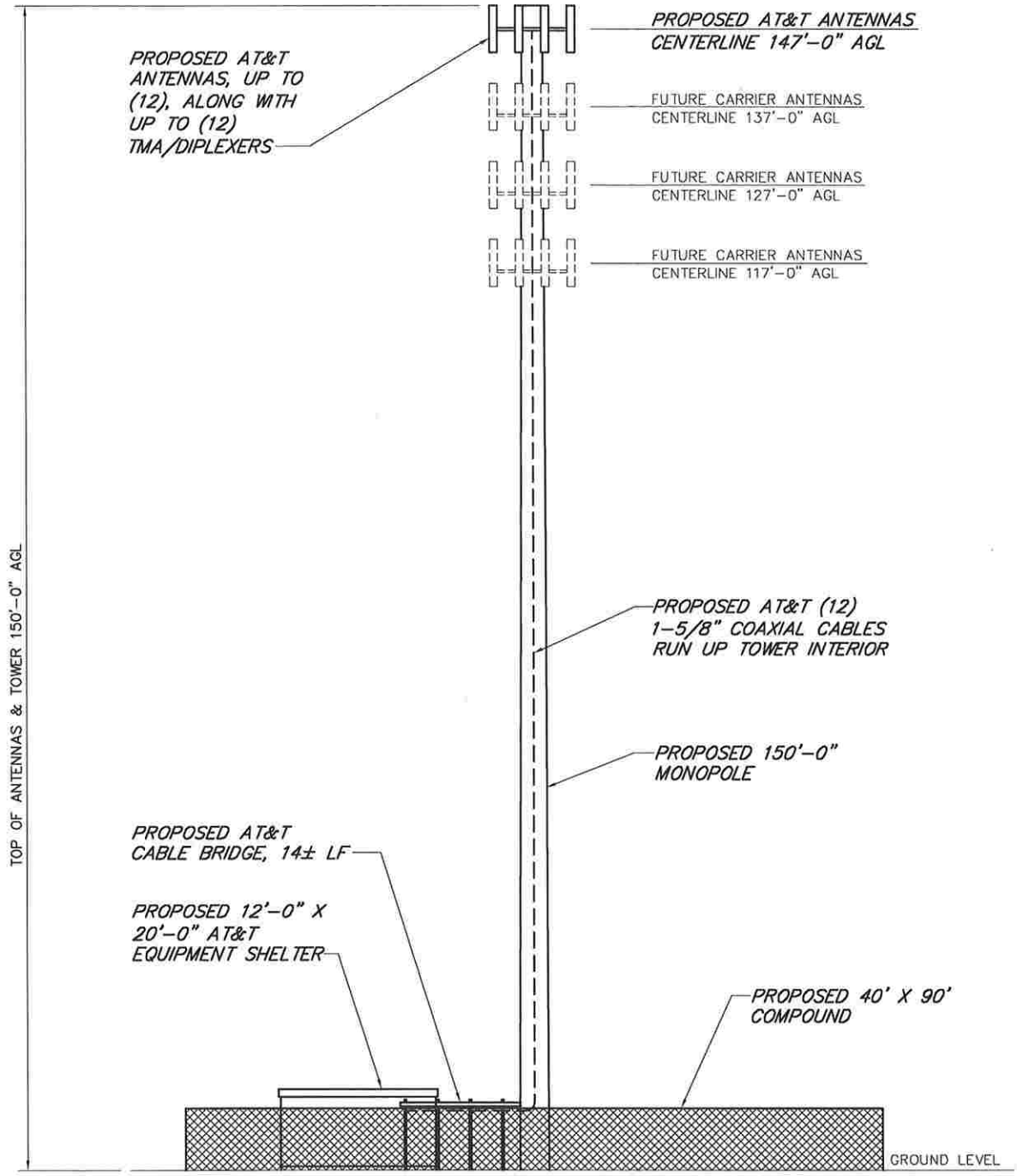
CHA PROJ. NO. – 18301-1026-43000

SHEET TITLE: COMPOUND PLAN

DATE: 08/02/10

REVISION: 0

DATE: 8/2/2010 12:55 PM FILE: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\ZD\FALLS VILLAGE-3 COMPOUND PLAN.DWG



1 — TOWER ELEVATION
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 10 20
IN FEET

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500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067

SR2413
FALLS VILLAGE/CANAAN
8 BARNES ROAD
FALLS VILLAGE, CT 06031
LITCHFIELD COUNTY

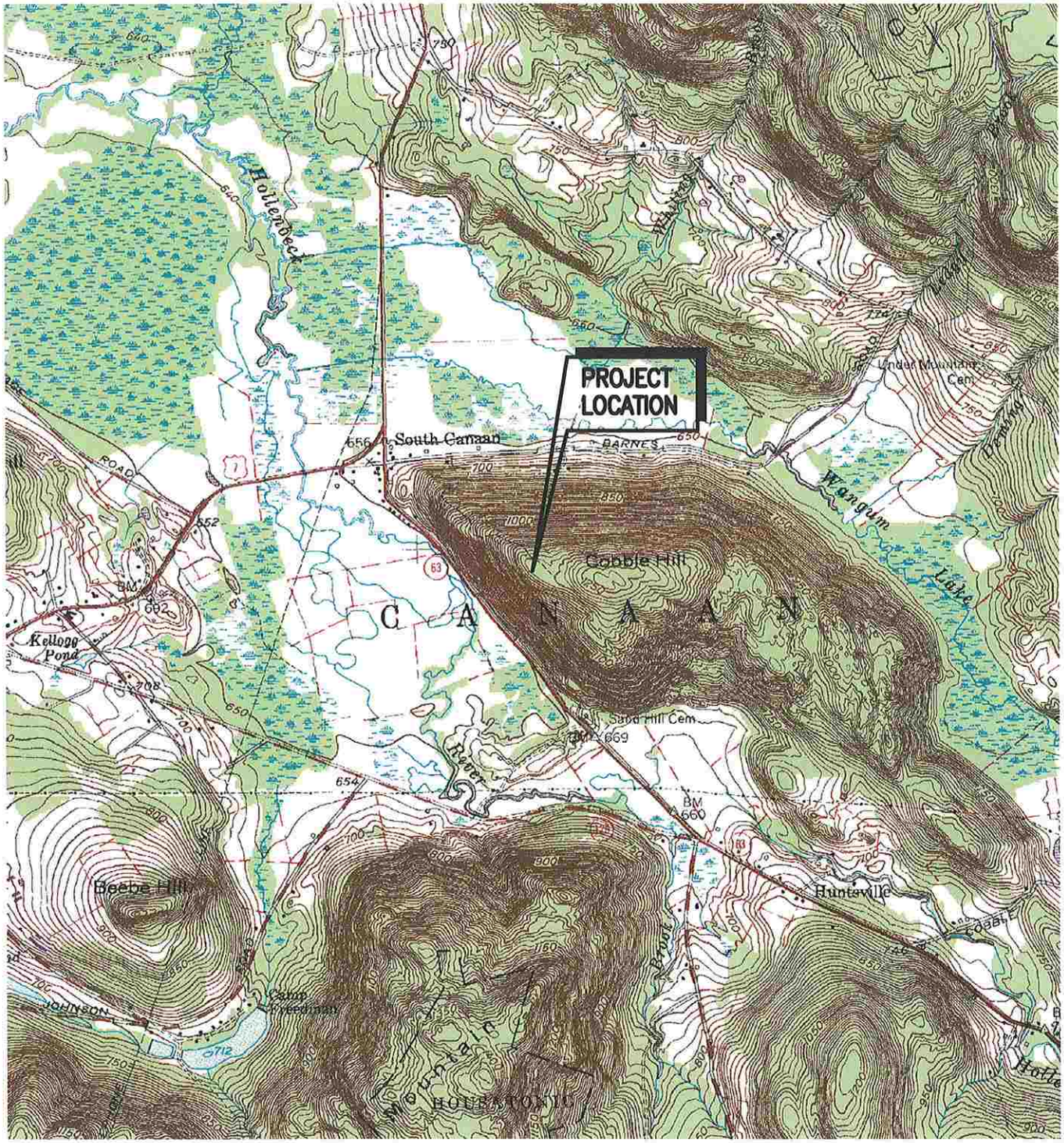
CHA PROJ. NO. – 18301-1026-43000

SHEET TITLE:
TOWER ELEVATION

DATE:
08/02/10

REVISION:
0

DATE: 8/2/2010 12:56 PM FILE: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\ZD\FALLS VILLAGE-4 TOWER ELEVATION.DWG



1 **1989 USGS TOPO MAP: SOUTH CANAAN 41073-H3**

SCALE: 1" = 2000'

0 1000 2000

SCALE IN FEET

TRUE NORTH

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SR2413
FALLS VILLAGE/CANAAN
8 BARNES ROAD
FALLS VILLAGE, CT 06031
LITCHFIELD COUNTY

CHA PROJ. NO. – 18301-1026-43000

SHEET TITLE:
USGS TOPO MAP

DATE:
08/02/10

REVISION:
0

DATE: 8/2/2010 9:12 AM FILE: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\ZD\FALLS VILLAGE-5 USGS.DWG

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

TRUE NORTH

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

SR2413
FALLS VILLAGE/CANAAN
8 BARNES ROAD
FALLS VILLAGE, CT 06031
LITCHFIELD COUNTY

CHA PROJ. NO. – 18301–1026–43000

SHEET TITLE:
AERIAL PHOTO

DATE:
08/02/10

REVISION:
0

DATE: 8/2/2010 8:48 AM FILE: W:\SAI CINGULAR\18301\SITES\1026 FALLS VILLAGE 2413\ZD\FALLS VILLAGE-6 AERIAL.DWG

at&t

September 9, 2010

First Selectman Patricia Allyn Mechare
Town of Canaan
Falls Village
Town Hall
P.O. Box 47
Falls Village, CT 06031-0047
Phone: (860) 824-0707

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
8 Barnes Road
Town of Canaan, Falls Village, Connecticut

Dear First Selectman Mechare:

I am writing to you in connection with the above referenced tower facility proposed for service in Falls Village. Please accept this letter as AT&T's commitment to allow the Town to install emergency communications antennas on the tower proposed at 8 Barnes Road in Falls Village. In the event the Town has a current need for such antennas, please let us know who we may coordinate with in order to accommodate the Town's specifications.

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

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

Michele Briggs

cc: David Vivian, SAI

C&F: 1306419.1

CUDDY & FEDER LLP

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

September 28, 2010

VIA FACSIMILE (860) 824-4506 & OVERNIGHT MAIL
First Selectwoman Patricia Allyn Mechare
Town of Canaan
Falls Village
Town Hall
P.O. Box 47
Falls Village, CT 06031-0047
Phone: (860) 824-0707

Re: AT&T
Proposed Wireless Telecommunications Tower Facility
8 Barnes Road
Town of Canaan, Falls Village, Connecticut

Dear First Selectwoman Mechare:

I am writing to you on behalf of our client, New Cingular Wireless PCS, LLC ("AT&T") in connection with the above referenced tower facility proposed for service in Falls Village and in response to the Town's request for an additional noticed balloon float.

As noted in our September 10th submission regarding the status of AT&T's facility, AT&T is in the process of assembling its Application for a Certification of Environmental Compatibility and Public Need for its proposed facility and will be filing it with the Connecticut Siting Council within the coming weeks. AT&T also plans to conduct a balloon float in November or December to obtain additional visual data during "leaf-off" conditions. The purpose of this letter is to request the Town's preference regarding specific dates in the month of November or December for the balloon float. The balloon float will be conducted on one day with an inclement weather date.

As we did earlier this year, once a date has been selected, we will provide advance notice to the Town with the expected hours of the balloon float and the scheduled inclement weather date. At that point in time, AT&T's Application with be pending with the Siting Council and we will also coordinate with the Siting Council.

Of note in this regard, AT&T anticipates publication in the Lakeville Journal on September 30th and October 7th and in The Register Citizen on October 1st and October 13th of its intent to file its Application with the Siting Council. As you know, in accordance with State Law, notice will also be sent by certified mail to abutting landowners.

We look forward to hearing from the Town regarding its preferred dates for the balloon float in November or December. In the interim, if you or other Town representatives have any questions or need anything further please do not hesitate to contact me.

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

cc: Ellery Sinclair, Chairman, Inland Wetland Commission
Frederick Laser, Chairman, Planning & Zoning Commission
Michelle Briggs, AT&T
David Vivian, SAI
Anthony Wells, C Squared
Christopher B. Fisher, Esq.

CERTIFICATION OF SERVICE

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

State and Regional

The Honorable Richard Blumenthal Attorney General Office of the Attorney General 55 Elm Street Hartford, CT 06106	Department of Economic and Community Development Joan McDonald, Commissioner 505 Hudson Street Hartford, CT 06106-71067
Department of Environmental Protection Amey Marrella, Commissioner 79 Elm Street Third Floor Hartford, CT 06106	Department of Transportation Joseph F. Marie, Commissioner 2800 Berlin Turnpike Newington, CT 06131-7546
Department of Public Health J. Robert Galvin, M.D., M.P.H, M.B.A. Commissioner 410 Capitol Avenue Hartford, CT 06134-0308	Department of Agriculture F. Philip Prelli, Commissioner 165 Capitol Avenue Hartford, CT 06106
Council on Environmental Quality Karl J. Wagener, Executive Director 79 Elm Street Hartford, CT 06106	Northwestern Connecticut Council of Governments Dan McGuiness, Executive Director 17 Sackett Hill Road Warren, CT 06754
Department of Public Utility Control Kevin M. DelGobbo, Chair 10 Franklin Square New Britain, CT 06051	State Senator Andrew W. Roraback 30th Senatorial District Legislative Office Building Room 3400 Hartford, CT 06106-1591
Office of Policy and Management Robert L. Genuario, Secretary 450 Capitol Avenue Hartford, CT 06106-1308	State Representative John Rigby 63rd Assembly District House Republican Office Legislative Office Building Room 4200 Hartford, CT 06106-1591
Connecticut Department of Emergency Management and Homeland Security Peter J. Boynton, Commissioner 25 Sigourney Street, 6th Floor Hartford, CT 06106-5042	Connecticut Commission on Culture & Tourism Historic Preservation and Museum Division One Constitution Plaza, 2nd Floor Hartford, CT 06103

Federal

Federal Aviation Administration 800 Independence Avenue, SW Washington, DC 20591	Federal Communications Commission 445 12th Street SW Washington, D.C. 20554
U.S.Senator Christopher Dodd 448 Russell Senate Office Building Washington, DC 20510	U.S. Representative Chris Murphy 5th District 114 West Main St., Suite 206 New Britain, CT 06051
U.S. Senator Joseph Lieberman 706 Hart Office Building Washington, DC 20510	

Town of Cannan (Falls Village)

Falls Village First Selectwoman Patricia Allyn Mechare Town Hall Main Street Falls Village, CT 067904	Falls Village Zoning Board of Appeals John P. Holland, Chairman Town Hall PO Box 47 Falls Village, CT 06031-0047
Falls Village Planning & Zoning Commission Frederick J. Laser, Chairman Town Hall PO Box 47 Falls Village, CT 06031-0047	Falls Village Conservation Commission Ellery W. Sinclair, Chairman Town Hall PO Box 47 Falls Village, CT 06031-0047
Falls Village Inland Wetland Commission Ellery W. Sinclair, Chairman Town Hall PO Box 47 Falls Village, CT 06031-0047	Falls Village Town Historian Sylvia N. Wismar Town Hall PO Box 47 Falls Village, CT 06031-0047
Falls Village Zoning Enforcement Officer Michael O'Neil Town Hall PO Box 47 Falls Village, CT 06031-0047	Falls Village Town Clerk Mary M. Plamer Town Hall PO Box 47 Falls Village, CT 06031-0047

Dated_____

_____

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

NOTICE

Notice is hereby given, pursuant to Section 16-50*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 October 15, 2010 by AT&T (the "Applicant") for a certificate of environmental compatibility and public need for the construction, maintenance and operation of a wireless telecommunications facility in Canaan (Falls Village), Connecticut. The property being considered for the proposed wireless telecommunications facility (the "Facility") is comprised of two parcels located at 8 Barnes Road. The proposed Facility will be located in the northwest portion of the property and will consist of a 150-foot self-supporting monopole tower, antennas and a 40'x 90' fenced equipment compound designed to accommodate unmanned equipment in either single-story equipment buildings or on concrete pads. Vehicle access to the Facility will extend from Barnes Road along an existing access drive and logging trail to be improved with gravel.

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 Town. The Application explains the need, purpose and benefits of the Facility and also describes the environmental impacts of the proposed Facility.

A balloon, representative of the proposed height of the monopole, will be flown at the proposed site on the first day of the Siting Council public hearing on the Application, which will take place in the 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 1pm and 5pm.

Interested parties and residents of the Town of Canaan, Connecticut are invited to review the Application during normal business hours after October 15, 2010 at any of the following offices:

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Mary M. Palmer
Town Clerk
Town Hall
108 Main Street
Falls Village, CT 06031

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

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

SAMPLE

October _____, 2010

Re: **VIA CERTIFIED MAIL**
RETURN RECEIPT REQUESTED
AT&T
Proposed Wireless Telecommunications Facility
8 Barnes Road, Town of Canaan, Falls Village, Connecticut
Application to the State of Connecticut Siting Council

Dear_____:

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

The property being considered for the proposed Facility is an assemblage of two parcels located at 8 Barnes Road. The proposed Facility will be located in the northwest portion of the property and will consist of a 150-foot self-supporting monopole tower, antennas and 40'x 90' fenced equipment compound designed to accommodate unmanned equipment in single-story equipment buildings or on concrete pads.

Vehicular access to the site will extend from Barnes Road along an existing access drive and logging trail to be improved with gravel, a distance of approximately 3,050' to the proposed Facility. Underground utility connections would extend along the access drive from an existing utility pole on Barnes Road.

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

If you have any questions concerning this application, please do not hesitate to contact the Connecticut Siting Council or the undersigned after October 15, 2010, the date which the application is expected to be on file.

Very truly yours,

Lucia Chiocchio
LC/ap

CERTIFICATION OF SERVICE

I hereby certify that on the 14th day of Oct 2010, a copy of the foregoing letter was mailed by certified mail, return receipt requested to each of the abutting property owners on the accompanying list.

10/14/10
Date

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

Attorneys for:
AT&T

C&F: 1296481.1

ADJACENT PROPERTY OWNERS
8 Barnes Rd.

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

Map 5 Lots 18 & 19
Michael D. Burke
PO Box 485
Sharon, CT 06069

Map 8 Lot 7
Charles H. & Carol A. Staats
9 Barnes Rd.
Falls Village, CT 06031

Map 5 Lot 9
Newtown Fish & Game
P.O. Box 522
Newtown, CT 06470

Map 5 Lot 59
George N. & Joan M. Dean
167 Route 63
Falls Village, CT 06031

Map 5 Lots 8 & 23
Town of Canaan
P.O. Box 47
Falls Village, CT 06031

Map 5 Lot 20
Marc Rosen & Susan Pinsky
220 East 73rd St.
Apt 6B
New York, NY 10021

Map 5 Lot 17
Gary E. & Carol H. Higgins
118 Barnes Rd.
Falls Village, CT 06031

Map 5 Lot 15
Robert L. & Helen B. Leahy
26 Barnes Rd.
Falls Village, CT 06031

Map 5 Lot 21
Jerry E. & Carey J. Ovitt
PO Box 431
Falls Village, CT 06031

Map 5 Lot 61
Joe Baker
PO Box 1569
Lakeview, CT 06039

Map 5 Lot 14
Joan S. Ohrstrom
1150 Fifth Ave.
New York, NY 10128

Map 5 Lot 14-1
Patricia Ann Rovezzi
36 Barnes Rd.
Falls Village, CT 06031

Map 5 Lot 11
Gail E. Sinclair
76 Barnes Rd.
Falls Village, CT 06031

Map 5 Lot 11-1
Clayton S. & Shanon A. Pilz
96 Barnes Rd.
Falls Village, CT 06031

Map 5 Lot 63
Nature Conservancy of CT Barnes Rd.
55 Church St. 3rd Floor
New Haven, CT 06510

Map 5L Lot 26-1
Joseph D. Jr. & Rose M. Hanlon
PO Box 535
Marlborough, CT 06447

Application Guideline	Location in Application
(A) An Executive Summary on the first page of the application with the address, proposed height, and type of tower being proposed. A map showing the location of the proposed site should accompany the description;	I.B: Executive Summary, pages 3-6 Attachment 3: Description and Design of Proposed Facility
(B) A brief description of the proposed facility, including the proposed locations and heights of each of the various proposed sites of the facility, including all candidates referred to in the application;	I.B: Executive Summary, pages 3-6 V: Facility Design: pages 13-15
(C) A statement of the purpose for which the application is made;	I.A: Purpose and Authority, page 3
(D) A statement describing the statutory authority for such application;	I.A: Purpose and Authority, page 3
(E) The exact legal name of each person seeking the authorization or relief and the address or principle place of business of each such person. If any applicant is a corporation, trust, or other organized group, it shall also give the state under the laws of which it was created or organized;	I.C: The Applicant, page 6
(F) The name, title, address, and telephone number of the attorney or other person to whom correspondence or communications in regard to the application are to be addressed. Notice, orders, and other papers may be served upon the person so named, and such service shall be deemed to be service upon the applicant;	I.C: The Applicant, page 6
(G) A statement of the need for the proposed facility with as much specific information as is practicable to demonstrate the need including a description of the proposed system and how the proposed facility would eliminate or alleviate any existing deficiency or limitation;	III.A: Statement of Need, page 8 Attachment 1: Statement of RF Need with Coverage Plots
(H) A statement of the benefits expected from the proposed facility with as much specific information as is practicable;	III.B: Statement of Benefits, page 9
(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 power densities from the facility; (**5**) A map showing any fixed facilities with which the proposed facility would interact;	I.B. Executive Summary, pages 3-6 V: Facility Design, pages 13-15 Attachment 3: Description and Design of Proposed Facility Attachment 4: Environmental Assessment Statement Attachment 5: Access Road Drainage Report and Emergency Access Statement VI.C: Power Density, page 17 Attachment 1: Statement of RF Need with Coverage Plots

Application Guideline	Location in Application
(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 RF Need with Coverage Plots
(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, fall zones, 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 6 Visual Analysis Report
(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; (3) Establishment of vegetation proposed near residential, recreation, and scenic areas; and (4) Methods for preservation of vegetation for wildlife habitat and screening.	Attachment 3: Description and Design of Proposed Facility Attachment 4: Environmental Assessment Statement Attachment 5: Access Road Drainage Report and Emergency Access Statement VI: Environmental Compatibility, pages 15-17
(L) A description of the existing and planned land uses of the named sites and surrounding areas;	VII.D: Planned and Existing Land Uses, page 22
(M) A description of the scenic, natural, historic, and recreational characteristics of the named sites and surrounding areas including officially designated nearby hiking trails and scenic roads;	VI: Environmental Compatibility, pages 15-17 Attachment 6: Visual Analysis Report

Application Guideline	Location in Application
(N) Sight line graphs to the named sites from visually impacted areas such as residential developments, recreational areas, and historic sites;	Attachment 6 Visual Analysis Report
(O) A list describing the type and height of all existing and proposed towers and facilities within a four mile radius within the site search area, or within any other area from which use of the proposed towers might be feasible from a location standpoint for purposes of the application;	IV.A: Site Selection, pages10-13 Attachment 2: Site Search Summary
(P) A description of efforts to share existing towers, or consolidate telecommunications antennas of public and private services onto the proposed facility including efforts to offer tower space, where feasible, at no charge for space for municipal antennas;	I.B: Executive Summary, pages 3-6 IV.A: Site Selection, pages 10-13 IV.B: Tower Sharing, page 13 V: Facility Design, pages 13-15 Attachment 2: Site Search Summary
(Q) A description of the technological alternatives and a statement containing justification for the proposed facility;	III.C: Technological Alternatives, page 10 Attachment 1: Statement of RF Need with Coverage Plots
(R) A description of rejected sites with a U.S.G.S. topographic quadrangle map (scale 1 inch = 2,000 feet) marked to show the location of rejected sites;	IV.A: Site Selection, pages 10-13 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);	IV.A: Site Selection, pages 10-13 Attachment 2: Site Search Summary
(T) A statement describing hazards to human health, if any, with such supporting data and references to regulatory standards;	VI: Environmental Compatibility, pages 15-17
(U) A statement of estimated costs for site acquisition, construction, and equipment for a facility at the various proposed sites of the facility, including all candidates referred to in the application;	IX.A: Overall Estimated Cost, page 25
(V) A schedule showing the proposed program of site acquisition, construction, completion, operation and relocation or removal of existing facilities for the named sites;	IX.B: Overall Scheduling, page 25
(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,	VI. A: Visual Assessment, page 15

Application Guideline	Location in Application
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; and	
(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 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.	VI: Environmental Compatibility, pages 15-17 Attachment 7: FCC/NEPA Environmental Compliance Report and Relevant Documents Attachment 8: Correspondence with the Department of Environmental Protection Attachment 9: Correspondence with the State Historic Preservation Officer Attachment 10: Relevant Correspondence with the Town of Canaan (Falls Village) VII: Consistency with the Town of Canaan's Land Use Regulations, pages 18-22 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, pages 13-15
(Z) Such information as the applicant may consider relevant.	