



**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

RE: APPLICATION BY T-MOBILE
NORTHEAST, LLC FOR A
CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED
FOR A TELECOMMUNICATIONS FACILITY
AT 15 ORCHARD PARK ROAD IN THE TOWN
OF MADISON, CONNECTICUT

DOCKET NO. _____

Date: October 7, 2009

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ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED**

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Pursuant to General Statutes § 16-50g *et seq.* and § 16-50j-1 *et seq.* of the Regulations of Connecticut State Agencies, T-Mobile Northeast, LLC, a subsidiary of T-Mobile USA, Inc. d.b.a. T-Mobile ("T-Mobile"), submits this application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility (the "Facility") at 15 Orchard Park Road in the Town of Madison (the "Application").

I. EXECUTIVE SUMMARY

T-Mobile seeks to construct, maintain and operate a telecommunications facility on property known as 15 Orchard Park Road in Madison (the "Property"). The proposed Facility is part of a series of facilities T-Mobile is proposing in the State to fill coverage gaps along the Amtrak rail line. This Facility will also provide coverage to Route 1, Neck Road, Mungertown Rd and I-95, and residential areas. The Facility will consist of a 100-foot monopole structure with antennas mounted thereon with standoff cross arms and related equipment on the ground nearby. The Facility will sit within a

2,009 square foot area leased by T-Mobile, located in the southeasterly portion of the Property, which is a 3.51 acre parcel. An eight-foot chain link fence will secure and conceal the equipment at the Facility. Vehicle access to the Facility will extend from Orchard Park Road along an existing paved driveway and parking lot.

Included in this Application and the exhibits attached hereto are survey-based plans for the proposed Facility, Exhibit B, and other information found detailing the proposed Facility. The reports and supporting documentation included in this Application contain the relevant site specific information required by statute and the Connecticut Siting Council's (the "Council") regulations. Included herein as Exhibit D is a copy of the Council's Community Antenna Television and Telecommunication Facilities Application Guide with references to this Application.

II. BACKGROUND INFORMATION

A. The Applicant

T-Mobile is a limited liability company, organized under the laws of Delaware, with a Connecticut office at 35 Griffin Road South, Bloomfield, Connecticut, 06002.¹ The company and its affiliated entities are licensed by the Federal Communications Commission ("FCC") to construct and operate a personal wireless services system in Connecticut, which has been interpreted as a "cellular system" within the meaning of General Statutes § 16-50i (a) (6). T-Mobile does not conduct any other business in the State of Connecticut other than the provision of cellular services under FCC rules and regulations. T-Mobile is committed to use the proposed Facility as the anchor tenant.

¹ T-Mobile Northeast LLC is the successor in interest to Omnipoint Communications, Inc.

Correspondence and/or communications regarding this Application should be addressed to the attorneys for the Applicant:

Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604
(203) 368-0211
Attention: Julie D. Kohler, Esq.
Monte E. Frank, Esq.
Jesse A. Langer, Esq.

B. Application Fee

The estimated total construction cost for the Facility is \$187,000.00. In accordance with § 16-50v-1a(b) of the Regulations of Connecticut State Agencies, a check made payable to the Council in the amount of \$1,000.00 accompanies this Application.

C. Compliance with General Statute § 16-50/ (c)

T-Mobile is not engaged in generating electric power in the State of Connecticut and, therefore, the proposed Facility is not subject to General Statutes § 16-50r. The proposed Facility has not been identified in any annual forecast reports and, therefore, is not subject to General Statute § 16-50/ (c).

III. SERVICE AND NOTICE REQUIRED BY GENERAL STATUTE § 16-50/ (b)

Pursuant to General Statutes § 16-50/ (b), T-Mobile sent copies of this Application 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 attached hereto as Exhibit E. Pursuant to § 16-50/ (b), T-Mobile caused notice of its intent to submit this

Application to be published on two occasions in *The New Haven Register*. A copy of the legal notice and the publisher's certificate of publication are attached hereto as Exhibit F. In compliance with § 16-50I (b), notices were sent to each person appearing of record as owner of a property which abuts the Facility. Certification of such notice, a sample notice letter, and the list of property owners to whom the notice was mailed are included in Exhibit G.

IV. STATEMENT OF NEED AND BENEFIT

A. Statement of Need

In amending the Communications Act of 1934 with the Telecommunications Act of 1996, the United State Congress recognized the important public need for high quality telecommunications services throughout the United States. The purpose of the Telecommunications Act of 1996 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). 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 that authority, and preempted State or local regulatory oversight of radio frequency emissions as more fully set forth in 47 U.S.C. § 332(c)(7). In doing so, Congress sought a balance between the public interest in deployment of wireless services and legitimate areas of State and/or local regulatory control over wireless infrastructure.

The Facility is an integral component of T-Mobile's wireless network in the Town of Madison ("Town" or "Madison"). There is a gap in coverage in this area, specifically along the Amtrak rail line, and on Route 1, Neck Road, Mungertown Road and I-95. The Facility, in conjunction with other existing and future facilities in Madison and surrounding towns, is necessary for T-Mobile to provide wireless services to people living in and traveling through this area of the State, including passengers on the Amtrak rail line.

The propagation plots attached hereto as Exhibit H depict T-Mobile's need for the Facility. Based upon the location of the Facility and the current lack of coverage in this area, T-Mobile cannot readily predict a point in time at which the Facility might reach maximum capacity.

B. Statement of Benefits

T-Mobile is a leading provider of advanced wireless voice and data services throughout the United States. T-Mobile has provided such services in Connecticut since the mid-1990s and remains actively involved in the deployment of state-of-the-art wireless services. In recent years, the public's demand for traditional cellular telephone services has evolved to include expectations of seamless service, wherever the public travels, and readily available access to the internet as well as the ability to send and receive voice, text, image and video through their wireless devices continuously. The ever increasing availability and enhanced sophistication of wireless services has led the public to use their wireless devices as their primary form of communication for both personal and business needs.

To help provide the benefits of wireless technologies to all Americans, Congress enacted the Wireless Communications and Public Safety Act of 1999 (the "911 Act"). The purpose of this 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 capable of rapid, efficient deployment of emergency services would enable faster delivery of emergency care, resulting in 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, hikers and boaters.

As an outgrowth of the 911 Act, the FCC mandated that wireless carriers provide enhanced 911 services ("E911") as part of their communications networks. These services ultimately allow 911 public safety dispatchers to identify a wireless caller's geographical location within several hundred feet. T-Mobile has deployed and continues to deploy TDOA (Time Difference of Arrival) network technology to comply with the FCC E911 requirements. The Facility will become an integral component of T-Mobile's E911 network in this area of the state, including along the Amtrak rail line. As other wireless carriers expand their service in Madison through the Facility, E911 services will experience additional improvement.

C. Technological Alternatives

The FCC licenses granted to T-Mobile authorizes it to provide cellular and Personal Communication Services ("PCS services") in this area of the State through deployment of a network of wireless transmitting sites. The Facility is a necessary

component of T-Mobile's wireless network. The Facility will also allow other wireless carriers to provide services in this area.

Repeaters, microcell transmitters, distributed antenna systems and other types of transmitting technologies are not a practicable or feasible means to providing service within the sizeable coverage gap in this area. Terrain variations, topography and tree cover in Madison and the surrounding area, as well as other practical factors limit the use of such technologies and preclude their implementation as alternatives to the proposed Facility. There are no equally effective technological alternatives to construction of a new tower facility for providing reliable personal wireless services in this area of Connecticut.

V. SITE SELECTION AND TOWER SHARING

A. Site Selection

T-Mobile selects a site in an area where there is an existing need or problem regarding coverage or capacity within T-Mobile's network. The site selected is the geographical location where the installation of a telecommunications facility would likely address the identified coverage or capacity issue ("search ring"). T-Mobile conducts a site search with the goal of finding a site that will resolve the coverage or capacity issue and minimize any potential environmental impact.

T-Mobile conducted a site search within its search ring in this area of Madison and identified the Property as the best possible location to resolve the existing coverage concerns. The nearest telecommunication towers are already in use by T-Mobile. There are no other facilities or structures which T-Mobile could utilize to close the

existing coverage gap. The proposed Facility would allow T-Mobile to provide coverage while at the same time minimize any environmental impacts. The site of the proposed Facility:

- Is located in a light industrial zone;
- Is used as a storage facility and garage for truck trailers;
- Is adjacent to the Amtrak right of way;
- Is proposed for existing paved area;
- Does not require taking down any trees;
- Allows access across an existing paved parking lot;
- Does not impact any wetlands ; and
- Minimizes any visibility impacts by placement of the tower at lower ground elevation and because of the relatively low height of proposed tower.

None of the other sites reviewed, or any other known and available sites within the search ring, would provide adequate coverage AND also allow for the same level of mitigation of environmental impacts as does the proposed site.

Although the municipal consultation period provided for in the Connecticut General Statutes expired on or about July 28, 2009, T-Mobile delayed filing this Application with the Council so it could engage in an interactive process with the Town in an effort to best balance the need for telecommunications services in this area of Madison against the possible environmental impacts.

On July 27, 2009, T-Mobile (including its soil scientist) met with the Town's Conservation Commission and, as requested, provided that Commission with a visual resource evaluation report and viewshed analysis, additional requested propagation

plots detailing existing and expected coverage at various heights, site plans and an aerial map of the proposed Facility. On August 3, 2009, the Conservation Commission issued a letter recommending two conditions intended to protect a wetlands system near the proposed Facility, a copy of the August 3, 2009 Letter is included in Exhibit Q. T-Mobile agreed to incorporate these conditions into its plans along with the measures already included to protect the nearby wetlands system.

On August 6, 2009, T-Mobile appeared before the Town's Planning & Zoning Commission ("PZC") and responded to questions from the PZC regarding the Facility. Prior to that meeting, on July 27, 2009, T-Mobile provided the PZC with its technical report, visual resource evaluation report, viewshed analysis and additional propagation plots at various heights, as had been requested. T-Mobile also conducted two balloon floats — one in connection with the visual resource evaluation report on July 7, 2009, and another on July 11, 2009, at the request of the Town. Notice of the second balloon float was published so that concerned citizens could attend and ask questions.

Following the meeting with the PZC, T-Mobile fully explored three additional sites suggested by the PZC. None of those additional candidates are feasible alternatives for the reasons discussed in the Site Selection narrative, which is attached hereto as Exhibit J. The Site Selection narrative and map of rejected sites and facilities within a four mile radius, Exhibits I and J, provide a complete explanation of T-Mobile's methodology for conducting site searches, the actual search for potential sites in Madison, and depicts the locations reviewed during T-Mobile's search and the reasons for elimination from consideration of all but the Property. Due to the nature of

development and terrain in the area, the Property is uniquely suited for a telecommunications tower.

B. Tower Sharing

To promote the sharing of wireless facilities in Madison, T-Mobile proposes to construct a facility that can accommodate T-Mobile and three other antenna platforms and related equipment for the wireless carriers in the Connecticut marketplace. Municipal public safety antennas also could be accommodated at no cost to the Town. Details of the design are included in Exhibit B. Materials provided by T-Mobile to the Town of Madison articulated T-Mobile's willingness to provide, free of charge, space on the proposed monopole for municipal public safety communications antennas.

VI. FACILITY DESIGN

T-Mobile will lease a 2,009 square foot area within the Property, which is an approximately 3.51 acre parcel. The Facility will consist of a 100-foot monopole structure. T-Mobile will install up to three panel antennas per sector (three sectors) at 100 feet rad center and place its equipment cabinets nearby. The compound will be enclosed by an eight-foot chain link fence. The monopole tower and equipment compound are designed to accommodate the facilities of all wireless carriers active in the Connecticut marketplace. T-Mobile will make space available, free of charge, for municipal public safety communications.

Vehicular access to the Facility would extend from Orchard Park Road over an existing paved driveway and parking lot. T-Mobile will extend utility service underground from an existing transformer on the Property. Exhibit B contains plans,

descriptions and other relevant information for the Facility. Exhibit K is an inland wetlands delineation report and statement of compliance. Exhibit L is a listing of residential buildings within 1,000 feet of the Facility. In summary, those exhibits reveal the following:

- The Property is zoned for light industrial (LI);
- The nearest wetlands area is approximately twelve feet from the Facility; however, the construction, maintenance and operation of the Facility will not have an adverse impact on this wetland system. As part of the municipal consultation, T-Mobile met with the Madison Conservation Commission on July 27, 2009. The Commission made two recommendations to further protect the wetlands. T-Mobile is willing to implement these recommendations in the final plans to be submitted in the Development and Management phase.
- The Property is currently used for commercial storage;
- Minimal grading will be required for the construction of the Facility;
- The Facility will not require the removal or relocation of any trees; and
- The Facility will have no impact on water flow, water quality, or air quality and will comply with relevant noise regulations.

VII. ENVIRONMENTAL COMPATIBILITY

Pursuant to General Statutes § 16-50p, the Council is required to find and to determine as part of the Application process any probable environmental impact of the Facility on the natural environment, ecological balance, public health and safety, scenic, historic and recreational values, forest and parks, air and water purity and fish and wildlife. As demonstrated in this Application and the accompanying attachments and documentation, the Facility will not have a significant adverse environmental impact.

A. Visual Assessment

The visual impact of the Facility will vary from different locations around the Facility depending upon factors such as vegetation, topography, distance from the Facility, and the location of structures around the Facility. Exhibit M contains a computer-based, predictive viewshed model, which has proven to depict accurately the potential impact of the Facility from surrounding views as well as a Visual Resource Evaluation.

T-Mobile retained visibility experts Vanasse Hangen Brustlin (“VHB”) to prepare the Visual Resource Evaluation. As part of its study, on July 7, 2009, VHB conducted a balloon float test at 100 feet AGL to evaluate the potential viewshed impacts, if any, associated with the Facility. On July 11, 2009, VHB conducted a second balloon float at the request of the Town. The Town issued public notice of the second balloon float so that those interested in the proposed Facility could attend and obtain information. With these balloon floats, VHB sought to determine the visibility impact of the Facility, accounting for local, state and federal historic and recreational sites within the study area, as well as within a two-mile radius of the proposed Site (the “Study Area”).

The topography and vegetation contained at the Property and within the Study Area serve to minimize the potential visual impact of the Facility. The existing vegetation in the area of the Property is mixed deciduous hardwood species with an average estimated height of sixty feet. This vegetation sits on gently rolling hills that range in ground elevation from approximately sea level to approximately 165 feet AMSL. The tree canopy covers nearly 3,840 acres of the 8,042 acre Study Area — with most of the remaining acreage consisting of portions of Long Island Sound and the East River.

The Visual Resources Evaluation demonstrates that the Facility will be as inconspicuous as possible. Overall visibility will be confined to the immediate area because of the relatively low height of the tower, the existing mature vegetation, and the tower's placement on somewhat lower ground elevation than that of the surrounding area. Based on the viewshed analysis contained in Exhibit M, areas from which the Facility will be at least partially visible year round comprise only 712 acres of the entire Study Area. Approximately 97 percent of this area consists of open water on the Long Island Sound to the south and/or the Ceder Island, East River and Neck River Tidal Marshes. Aside from these open water areas, some select areas near the Facility may have year round visibility including portions of Route 1 and Stony Lane. Visibility from these select areas would be intermittent at best and would not be in the direct line of motorists traveling these routes. It is unlikely that the Facility will be visible from the Rockledge Drive vista, Tuxis Pond or Tuxis Island. Overall, the Facility will be partially visible year round to only four residences within the Study Area, which includes one residence on Route 1 and three on Stony Lane. Areas of seasonal visibility comprise of approximately fifty-nine additional acres and are limited to the general vicinity of the Property, which is within .35 miles or less. There are nine additional residences along Route 1, Stony Lane and Johnson Lane that may have limited seasonal views of the Facility from select portions of those properties.

The Facility will have a *de minimis* visual impact as it will be screened by the proposed fencing and existing vegetation. These Visual Resources demonstrate that the Facility will not be obtrusive, even from most of the areas where the Facility will be partially visible. Accordingly, the proposed Facility will not result in an unacceptable

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

B. Solicitation of State Agency Comments

T-Mobile submitted a request for review and comment for the Facility to the Connecticut State Historic Preservation Officer ("SHPO") and obtained the necessary maps from the database of the Connecticut Department of Environmental Protection ("DEP"). SHPO has determined that, given the nature of the terrain and soil on the Property, no impact is anticipated. The DEP map reveals that the Facility will be near a wetlands system. Yet, as explained in Part VIII.D., *infra*, the Facility will not have an adverse impact on that wetland system. A copy of the SHPO correspondence and the DEP map regarding the Facility is attached hereto as Exhibit N.

C. MPE Limits/Power Density Analysis

In August 1996, the FCC adopted a standard for exposure to Radio Frequency ("RF") emissions from telecommunications facilities like the Facility proposed in this Application. To ensure compliance with applicable standards, T-Mobile performed maximum power density calculations for the Facility assuming that the antennas were pointed at the base of the tower and all channels were operating simultaneously. The resulting power density for T-Mobile's operations would be approximately 10.6219% of the applicable MPE standards. A copy of the power density calculations and report for the Facility is attached hereto as Exhibit O.

D. Other Environmental Factors

The Facility will be unmanned, requiring infrequent monthly maintenance visits by each carrier that will last approximately one hour. T-Mobile's equipment at the Facility will be monitored twenty-four hours a day, seven days a week from a remote location. The Facility will not require a water supply or wastewater utilities. No outdoor storage or solid waste receptacles will be needed, and the Facility will not create or emit any smoke, gas, dust or other air contaminants, noise, odors or vibrations. The construction and operation of the proposed Facility will have no significant impact on air, water, or noise quality.

T-Mobile retained EBI Consulting ("EBI") to evaluate the Facility in accordance with the FCC's regulations implementing the National Environmental Policy Act of 1969 (the "NEPA"). A copy of the NEPA Report is attached hereto as Exhibit P. The Facility is not designated as a wilderness area and it is not located in any areas identified as a wildlife preserve or in a U.S. Fish and Wildlife Service National Wildlife Refuge. The Facility will not affect threatened or endangered species or designated critical habitats. No National Parks, National Forests, National Parkways or Scenic Rivers, State Forest, State Designated Scenic Rivers or State Gamelands are located in the vicinity of the Facility. Further, according to the site survey and field investigations, the Facility will not impact any federal or state regulated wetlands or watercourses. In addition, the Facility will not be located within a 100-year or 500-year floodplain.

The Facility will not affect any sites, buildings, structures or objects significant to American history, architecture, culture, archeology or engineering. EBI consulted with two Native American tribes, the Mashantucket Pequot Tribe and the Narragansett

Indian Tribe, because they might have had interests impacted by the construction, operation and maintenance of the Facility. Both Tribes confirmed that they do not have any interests that would be impacted by the Facility. As such, the Facility is categorically excluded from any requirement for further environmental review by the FCC in accordance with the NEPA and no permit is required by the FCC prior to construction of the proposed Facility. See 47 C.F.R. §§ 1.1306(b) and 1.1307(a).

VIII. CONSISTENCY WITH THE MADISON LAND USE REGULATIONS

The Facility will be consistent with Madison's zoning and wetland regulations and plan of conservation and development. A description of the zoning classification of the Facility and the planned and existing uses of the Property are also detailed in this section.

A. Madison Plan of Development

The Madison Plan of Conservation and Development (the "Plan"), a copy of which is included in the bulk filing, was adopted on November 1, 2000. The Plan recognizes that the Town's residents and businesses will continue to demand improved and expanded wireless services. Accordingly, the Plan articulates one of its goals as "[e]ncourag[ing] improvements in communications infrastructure to meet the needs of residents and businesses." See Plan of Conservation and Development, p. 87. The Plan seeks to do so while also limiting the number of facilities and maintaining the character of the Town. The Facility accomplishes these objectives in that it will (1) close a gap in coverage in this area of the Town; (2) accommodate three other carriers in the Connecticut marketplace; and (3) not provide an adverse visual impact or environmental

impact on the Town and its residents. The Facility will also improve the Town's ability to provide its residents with emergency services.

B. Madison Zoning Regulations

The Property is zoned for light industrial and is currently used for commercial storage. Although the Facility will not adhere to all of the setback requirements for this zone, it will be set back approximately 1,500 feet from Mungertown Road. Additionally, existing mature vegetation will provide the Facility with excellent screening.

C. Planned and Existing Land Uses

The Property is currently used for commercial storage. T-Mobile is not aware of any future development plans regarding the Property.

D. Madison Inland Wetlands and Watercourses Regulations

The Madison Inland Wetlands and Watercourses Regulations ("Local Wetlands Regulations") regulate certain activities conducted in or adjacent to "wetlands" as defined therein. Such regulated activities involve any "operation within or use affecting a wetland or watercourse by obstruction, construction, by alteration, by removal or deposition of material or by pollution of such wetlands" See Bulk Filing, Inland Wetlands and Watercourses Regulations, § 2.1. Regulated activities include those activities that occur within 100 feet of an inland wetland or watercourse. See *id.*, § 6.

According to the site survey and field investigations conducted at the Property, there is a wetland area on the Property approximately twelve feet from the Facility. T-Mobile hired VHB to ascertain whether the proposed Facility would have a detrimental impact on those wetlands. VHB concluded that the Facility would have no such impact. 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 Facility. As part of the municipal consultation, T-Mobile met with the Madison Conservation Commission on July 27, 2009. The Commission made two recommendations to further protect the wetlands. T-Mobile is willing to implement these recommendations in the final plans to be submitted in the Development and Management stage.

IX. CONSULTATIONS WITH LOCAL, STATE AND FEDERAL OFFICIALS

A. Local Consultations

General Statutes § 16-50/ (e) requires an applicant to consult with the local 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 and alternate sites of the facility. On May 28, 2009, T-Mobile submitted a technical report to the First Selectman regarding the Facility. The technical report, a copy of which is being bulk filed with this Application, included specifics about the Property, the Facility, the site selection process and the environmental effects, if any, of the proposed Facility. Other materials provided to the Town during the consultation period are attached as Exhibit Q. T-Mobile met with the Conservation Commission on July 27, 2009, and also provided that Commission with materials regarding the proposed Facility. On August 6, 2009, T-Mobile also appeared before the PZC, submitted written materials for the PZC's review, and responded to questions from the PZC regarding the Facility. Very few, if any, members of the public attended the noticed

public meetings. No one from the public spoke at either the Conservation Commission or the PZC meetings, or asked any questions.

The PZC issued a letter with its comments on August 14, 2009. T-Mobile delayed filing this Application until it could fully evaluate the PZC's comments, which included an inquiry as to whether the Sunshine House, a charitable organization which owns the adjacent parcel, was interested in a facility on its property. The Sunshine House elected to forego an arrangement with T-Mobile, and the other sites suggested by the PZC are not viable alternatives. T-Mobile responded fully to PZC's August 14, 2009 letter on September 28, 2009 (See Exhibit Q).

B. Consultations with State Officials

As noted in Section VII.B of this Application, T-Mobile undertook a consultation with the SHPO and obtained a DEP map from the DEP's database in the course of its NEPA survey. Copies of the correspondence with SHPO and the DEP map are attached hereto as Exhibit N.

C. Consultation with Federal Agencies

T-Mobile has received a report from Site Safe for the Facility, which is attached hereto as Exhibit R. The results indicate that the Facility would not require FAA registration, let alone FAA review as a potential air navigation obstruction or hazard. Therefore, no FAA lighting or marking would be required for the towers proposed in this Application. T-Mobile will forward copies of the final FAA approval when received.

T-Mobile's FCC license permits it to modify its network by building wireless facilities within its licensed area without prior approval from the FCC provided that a proposed facility does not fall within one of the "listed" categories requiring review under

NEPA. The “listed” categories, included in 47 C.F.R § 1.1307, are activities that may affect wilderness areas, wilderness preserves, endangered or threatened species, critical habitats, National Register historic districts, sites, buildings, structures or objects, Indian religious sites, flood plains and federal wetlands. The resulting report, attached hereto as Exhibit P, confirms that the Property does not fall under any of the NEPA “listed” categories of 47 C.F.R. §1.1307. Therefore, the proposed Facility does not require review by the FCC pursuant to NEPA.

X. ESTIMATED COST AND SCHEDULE

A. Overall Estimated Cost

The total estimated cost of construction for the Facility is \$187,000.00. This estimate includes:

- (1) Tower and foundation costs (including installation) of approximately \$71,000.00;
- (2) Site development costs of approximately \$68,000.00; and
- (3) Utility installation costs of approximately \$48,000.00.

B. Overall Scheduling

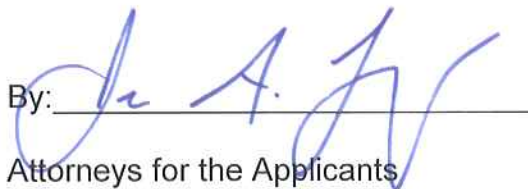
Site preparation and engineering would commence immediately following Council approval of T-Mobile’s Development and Management (“D&M”) Plan and is expected to be completed within four (4) to five (5) weeks. Installation of the monopole structure, antennas and associated equipment is expected to take an additional eight (8) weeks. The duration of the total construction schedule is approximately thirteen (13) weeks.

Facility integration and system testing is expected to require an additional two (2) weeks after the construction is completed.

XI. CONCLUSION

This Application and the accompanying materials and documentation demonstrate that a public need exists in the Town of Madison for improved wireless services, especially along the Amtrak rail line, and that the Facility will not have any substantial adverse environmental effects. T-Mobile therefore respectfully submits that the public need for the Facility outweighs any potential environmental effects resulting from the construction of the Facility, and that the Council should grant a Certificate of Environmental Compatibility and Public Need for the Facility.

Respectfully Submitted,

By: 

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GROUND LEASE WITH OPTION

THIS GROUND LEASE WITH OPTION (this "Lease") is by and between 15 Orchard Park Road, LLC a Connecticut limited liability company ("Landlord") and Omnipoint Communications, Inc., a Delaware corporation ("Tenant").

1. Option to Lease.

(a) In consideration of the payment of [REDACTED] (the "Option Fee") by Tenant to Landlord, Landlord hereby grants to Tenant an option to lease a portion of the real property described in the attached Exhibit A (the "Property"), on the terms and conditions set forth herein (the "Option"). The Option shall be for an initial term of twelve (12) months, commencing on the Effective Date (as defined below) (the "Option Period"). The Option Period may be extended by Tenant for an additional twelve (12) months upon written notice to Landlord and payment of the sum of [REDACTED] ("Additional Option Fee") at any time prior to the end of the Option Period.

(b) During the Option Period and any extension thereof, and during the Initial Term and any Renewal Term (as those terms are defined below) of this Lease, Landlord agrees to reasonably cooperate at Tenant's expense with Tenant in obtaining, at Tenant's expense, all licenses and permits or authorizations required for Tenant's use of the Premises (as defined below) from all applicable government and/or regulatory entities (including, without limitation, zoning and land use authorities, and the Federal Communications Commission ("FCC") ("Governmental Approvals"), including all land use and zoning permit applications, and Landlord agrees to reasonably cooperate with and to allow Tenant, at no cost to Landlord, to obtain a title report, zoning approvals and variances, land-use permits. Landlord expressly grants to Tenant a right of access to the Property to perform any surveys, soil tests, and other engineering procedures or environmental investigations ("Tests") on the Property deemed necessary or appropriate by Tenant to evaluate the suitability of the Property for the uses contemplated under this Lease during normal business hours. During the Option Period and any extension thereof, and during the Initial Term or any Renewal Term of this Lease, Landlord agrees that it will not interfere with Tenant's efforts to secure other licenses and permits or authorizations that relate to other property. During the Option Period and any extension thereof, Tenant may exercise the Option by so notifying Landlord in writing, at Landlord's address in accordance with Section 12 hereof.

(c) If Tenant exercises the Option, then Landlord hereby leases to Tenant that portion of the Property reasonably sufficient for placement of the Antenna Facilities (as defined below), together with reasonably necessary space and rights of access for access and utilities, as generally described and depicted in the attached Exhibit B (collectively referred to hereinafter as the "Premises"). The Premises, located at 15 Orchard Park Road, Madison, ~~Litchfield~~ ^{New Britain} County, Connecticut 06443, comprises approximately 1,800 square feet.

2. Term. The initial term of this Lease shall be five (5) years commencing on the date of exercise of the Option (the "Commencement Date"), and terminating at midnight on the last day of the initial term (the "Initial Term").

3. Renewal. Tenant shall have the right to extend this Lease for four (4) additional and successive four-year terms (each a "Renewal Term") on the same terms and conditions as set forth herein. This Lease shall automatically renew for each successive Renewal Term unless Tenant notifies Landlord, in writing, of Tenant's intention not to renew this Lease, at least thirty (30) days prior to the expiration of the Initial Term or any Renewal Term.

4. Rent and Security Deposit.

(a) From and after the Commencement Date, Tenant shall pay Landlord or designee, as rent, [REDACTED] per month ("Rent"). The first payment of Rent shall be due within twenty (20) days following the Commencement Date and shall be prorated based on the days remaining in the month following the Commencement Date, and thereafter Rent will be payable monthly in advance by the fifth day of each month to Landlord at the address specified in Section 12 below. If this Lease is terminated for any reason (other than a default by Tenant) at a time other than on the last day of a month, Rent shall be prorated as of the date of termination and all prepaid Rent shall be immediately refunded to Tenant. Landlord, its successors, assigns and/or designee, if any, will submit to Tenant any documents required by Tenant in connection with the payment of Rent, including, without limitation, an IRS Form W-9.

(b) During the Initial Term and any Renewal Terms, monthly Rent shall be adjusted, effective on the first day of each year of the Initial or Renewal Term, and on each such subsequent anniversary thereof, to an amount equal to one hundred three percent (103%) of the monthly Rent in effect immediately prior to the adjustment date.

(c) Within twenty (20) days following the Commencement Date, the Tenant will deposit with the Landlord the sum of \$3,600.00 to be applied as a security deposit for the faithful performance by the Tenant of all the terms and conditions of the Lease. The security deposit shall not be used to pay any rent. If the Tenant fails to pay rent or other charges hereunder when due or otherwise defaults with respect to any provision of the Lease, the Landlord may use, apply or retain all or any portion of said deposit for the payment of any such rent or other charge or for the payment of any other sum to which the Landlord may be or become entitled by reason of the Tenant's default or to compensate the Landlord for any loss or damage which the Landlord may suffer thereby. If the Tenant faithfully performs all of its obligations hereunder, said deposit or so much thereof as has not theretofore been applied by the Landlord towards default by the Tenant shall be returned without payment of interest to the Tenant after the Tenant has vacated the Premises as a result of the termination of the Agreement or upon the expiration of the Initial Term or any subsequent Renewal Term hereof and after the Landlord has a reasonable amount of time to inspect the Premises for damage.



5. Permitted Use. The Premises may be used by Tenant for the transmission and reception of radio communication signals and for the construction, installation, operation, maintenance, repair, removal or replacement of related facilities, including, without limitation, antennas, microwave dishes, equipment shelters and/or cabinets and related activities.

6. Interference. Tenant shall not use the Premises in any way which interferes with the use of the Property by Landlord or lessees or licensees of Landlord with rights in the Property prior in time to Tenant's (subject to Tenant's rights under this Lease, including, without limitation, non-interference). Similarly, Landlord shall not use, nor shall Landlord permit its lessees, licensees, employees, invitees or agents to use, any portion of the Property in any way which interferes with the operations of Tenant. Such interference shall be deemed a material breach by the interfering party, who shall, upon written notice from the other, be responsible for terminating said interference. In the event any such interference does not cease promptly, the parties acknowledge that continuing interference may cause irreparable injury and, therefore, the injured party shall have the right, in addition to any other rights that it may have at law or in equity, to bring a court action to enjoin such interference or to terminate this Lease immediately upon written notice.

7. Improvements; Utilities; Access.

(a) Tenant shall have the right, at its expense, to erect and maintain on the Premises improvements, personal property and facilities reasonably necessary to operate its communications system, including, without limitation, radio transmitting and receiving antennas, microwave dishes, equipment shelters and/or cabinets and related cables and utility lines and a location based system, as such location based system may be required by any county, state or federal agency/department, including, without limitation, additional antenna(s), coaxial cable, base units and other associated equipment (collectively, the "Antenna Facilities"). Tenant shall have the right to reasonably alter, replace, enhance and upgrade the Antenna Facilities at any time during the term of this Lease. Tenant shall cause all construction to occur lien-free and in compliance with all applicable laws and ordinances. Landlord acknowledges that it shall neither unreasonably interfere with any aspects of construction nor unreasonably attempt to direct construction personnel as to the location of or method of installation of the Antenna Facilities and the Rights of Access. Notwithstanding the foregoing, Landlord and Tenant shall mutually determine where the Rights of Access will be located. The Antenna Facilities shall remain the exclusive property of Tenant and shall not be considered fixtures. Tenant shall have the right to remove the Antenna Facilities at any time during and upon the expiration or termination of this Lease in accordance with applicable laws. The Landlord shall approve final construction drawings, which approval shall not be unreasonably withheld, conditioned, denied, or delayed. Landlord shall signify approval by signing off on the final construction drawings and shall signify disapproval by sending Tenant written notice of such disapproval. Any notice of such disapproval must state with specificity the reasons for Landlord's objections and what Tenant must do to make the drawings approvable by Landlord. Landlord further agrees to cooperate with Tenant so that Tenant can modify the final construction drawings for Landlord's reasonable approval as provided above. Landlord shall have ten (10) days from the date of receipt of final construction drawings or any modified final construction drawings to approve or disapprove of the same or the final construction drawings shall be deemed approved.

(b) Tenant, at its expense, may use any and all appropriate means of restricting access to the Antenna Facilities, including, without limitation, the construction of a fence.

(c) Tenant shall, at Tenant's expense, keep and maintain the Antenna Facilities now or hereafter located on the Property in commercially reasonable condition and repair during the term of this Lease, normal wear and tear and casualty not caused by an act or omission of Tenant excepted. Notwithstanding the above, Tenant shall be responsible for any damage to the Property that is directly attributable to Tenant and/or the Antenna Facilities and shall immediately notify Landlord if such damage occurs. Upon termination or expiration of this Lease, the Premises shall be returned to Landlord in good, usable condition, normal wear and tear and casualty excepted.

(d) Tenant shall have the right to install utilities, at Tenant's expense, and to improve the present utilities on the Property (including, but not limited to, the installation of emergency power generators). Landlord agrees to use reasonable efforts in assisting Tenant to acquire necessary utility service. Tenant shall, wherever practicable, install separate meters for utilities used on the Property by Tenant. In the event separate meters are not installed, Tenant shall pay the periodic charges for all utilities attributable to Tenant's use, at the rate charged by the servicing utility. Landlord shall diligently correct any variation, interruption or failure of utility service.

(e) As partial consideration for Rent paid under this Lease, Landlord hereby grants Tenant rights of access on, under and across the Property for ingress, egress, utilities and access (including access for the purposes described in Section 1) to the Premises adequate to install and maintain utilities, including, but not limited to, the installation of power and telephone service cable, and to service the Premises and the Antenna Facilities at all times during the Initial Term of this Lease and any Renewal Term (collectively, the "Rights of Access"). The Rights of Access provided hereunder shall have the same term as this Lease. Rights of Access locations shall be set forth in the final construction drawings, which shall be subject to Landlord's approval as set forth in Paragraph 7(a) herein.

(f) Tenant shall have access to the Premises ("Access") during normal business hours, Monday through Friday, except holidays, during the Initial Term of this Lease and any Renewal Term at no charge to Tenant. In the event Tenant requires access to the Premises outside of normal business hours, Tenant shall provide Landlord with at least twenty four (24) hours prior notice. However, Tenant shall have access to the Premises 24-hours-a-day, 7-days-a-week for the purpose of addressing an emergency ("Emergency Access") or service interruption, as determined in Tenant's sole discretion. Within thirty (30) days following Landlord's receipt of notice of Lease commencement, Landlord, shall provide Tenant with both keys or codes and telephone numbers for Emergency Access. Tenant shall provide Landlord with notice of its Emergency Access as soon thereafter as practicable.

(g) Landlord shall reasonably maintain and repair all access roadways from the nearest public roadway to the Premises in a manner sufficient to allow vehicular and pedestrian access at all times, at its sole expense, except for any damage to such roadways caused by Tenant.

8. Termination. Except as otherwise provided herein, this Lease may be terminated, without any penalty or further liability as follows:

(a) upon thirty (30) days' written notice by Landlord if Tenant fails to cure a default for payment of amounts due under this Lease within such thirty (30) day period;

(b) immediately upon written notice by Tenant if Tenant notifies Landlord of any unacceptable results of any Tests prior to Tenant's installation of the Antenna Facilities on the Premises, or if Tenant does not obtain, maintain, or otherwise forfeits or cancels any license (including, without limitation, an FCC license), permit or any Governmental Approval necessary to the installation and/or operation of the Antenna Facilities or Tenant's business;

(c) upon thirty (30) days' written notice by Tenant if Tenant determines that the Property or the Antenna Facilities are inappropriate or unnecessary for Tenant's operations for economic or technological reasons provided Tenant pays Landlord liquidated damages in an amount equal to nine (9) months Rent, at the then current rate;

(d) immediately upon written notice by Tenant if the Premises or the Antenna Facilities are destroyed or damaged through no fault of Tenant so as in Tenant's reasonable judgment to substantially and adversely affect the effective use of the Antenna Facilities. In such event, all rights and obligations of the parties shall cease as of the date of the damage or destruction, and Tenant shall be entitled to the reimbursement of any Rent prepaid by Tenant. If Tenant elects to continue this Lease, then all Rent shall continue without abatement and Tenant shall be permitted to operate a Cell On Wheels on the Property until the Antenna Facilities are restored to the condition existing immediately prior to such damage or destruction. If the Premises or the Antenna Facilities are destroyed or damaged as a result of the Landlord's negligence, Rent shall abate until the Premises and/or the Antenna Facilities are restored to the condition existing immediately prior to such damage or destruction;

(e) at the time title to the Property transfers to a condemning authority pursuant to a taking of all or a portion of the Property sufficient in Tenant's determination to render the Premises unsuitable for Tenant's use. Landlord and Tenant shall each be entitled to pursue their own separate awards with respect to such taking. Sale of all or part of the Property to a purchaser with the power of eminent domain in the face of the exercise of the power shall be treated as a taking by condemnation.

9. Default and Right to Cure. Notwithstanding anything contained herein to the contrary and without waiving any other rights granted to it at law or in equity, each party shall have the right, but not the obligation, to terminate this Lease on written notice pursuant to Section 12 hereof, to take effect immediately, if the other party fails to perform any covenant or commits a material breach of this Lease and fails to diligently pursue a cure thereof to its completion after thirty (30) days' written notice specifying such failure of performance or default.

10. Taxes. Except for bona fide disputes, Landlord shall pay when due all real property taxes for the Property, including the Premises. In the event that Landlord fails to pay any such real property taxes or other fees and assessments, Tenant shall have the right, but not the obligation, to pay such owed amounts and deduct them from Rent amounts due under this Lease. Notwithstanding the foregoing, Tenant shall pay any personal property tax, real property tax or any other tax or fee which is directly attributable to the presence or installation of Tenant's Antenna Facilities, only for so long as this Lease remains in effect. If Landlord receives notice of any personal property or real property tax assessment against Landlord, which may affect Tenant and is directly attributable to Tenant's installation, Landlord shall provide timely notice of the assessment to Tenant sufficient to allow Tenant to consent to or challenge such assessment, whether in a Court, administrative proceeding, or other venue, on behalf of Landlord and/or Tenant. Further, Landlord shall provide to Tenant any and all documentation associated with the assessment and shall execute any and all documents reasonably necessary to effectuate the intent of this Section 10. In the event real property taxes are assessed against Landlord or Tenant for the Premises or the Property, Tenant shall have the right, but not the obligation, to terminate this Lease without further liability after thirty (30) days' written notice to Landlord, provided Tenant pays any real property taxes assessed as provided herein.

11. Insurance and Subrogation and Indemnification.

(a) Tenant will maintain Commercial General Liability Insurance in amounts of Five Million and no/100 Dollars (\$5,000,000.00) per occurrence and Five Million and no/100 Dollars (\$5,000,000.00) aggregate, which may be accomplished through a combination of primary and umbrella or excess insurance policies. Tenant may satisfy this requirement by obtaining the appropriate endorsement to any master policy of liability insurance Tenant may maintain.

(b) Landlord and Tenant hereby mutually release each other (and their successors or assigns) from liability and waive all right of recovery against the other for any loss or damage covered by their respective first party property insurance policies for all perils insured thereunder. In the event of such insured loss, neither party's insurance company shall have a subrogated claim against the other.

(c) Subject to the property insurance waivers set forth in subsection 11(b), Landlord and Tenant each agree to indemnify and hold harmless the other party from and against any and all claims, damages, costs and expenses, including reasonable attorney fees, to the extent caused by or arising out of the negligent acts or omissions or willful misconduct in the operations or activities on the Property by the indemnifying party or the employees, agents, contractors, licensees, tenants and/or subtenants of the indemnifying party, or a breach of any obligation of the indemnifying party under this Lease. The indemnifying party's obligations under this section are contingent upon its receiving prompt written notice of any event

giving rise to an obligation to indemnify the other party and the indemnified party's granting it the right to control the defense and settlement of the same.

(d) Notwithstanding anything to the contrary in this Lease, the parties hereby confirm that the provisions of this Section 11 shall survive the expiration or termination of this Lease.

(e) Tenant shall not be responsible to Landlord, or any third-party, for any claims, costs or damages (including, fines and penalties) attributable to any pre-existing violations of applicable codes, statutes or other regulations governing the Property.

12. **Notices.** All notices, requests, demands and other communications shall be in writing and are effective three (3) days after deposit in the U.S. mail, certified and postage paid, or upon receipt if personally delivered or sent by next-business-day delivery via a nationally recognized overnight courier to the addresses set forth below. Landlord or Tenant may from time to time designate any other address for this purpose by providing written notice to the other party.

If to Tenant, to:
T-Mobile USA, Inc.
12920 SE 38th Street
Bellevue, WA 98006
Attn: PCS Lease Administrator

With a copy to:
Attn: Legal Dept.

And with a copy to:
Omnipoint Communications, Inc.
4 Sylvan Way
Parsippany, NJ 07054
Attn: Lease Administration Manager

With a copy to:
Attn: Legal Dept.

If to Landlord, to:
15 Orchard Park Road, LLC
7 Orchard Park Road
Madison, CT 06443

And with a copy to:

Send Rent payments to:
15 Orchard Park Road, LLC
7 Orchard Park Road
Madison, CT 06443

13. **Quiet Enjoyment, Title and Authority.** As of the Effective Date and at all times during the Initial Term and any Renewal Terms of this Lease, Landlord covenants and warrants to Tenant that (i) Landlord has full right, power and authority to execute and perform this Lease; (ii) Landlord has good and unencumbered fee title to the Property free and clear of any liens or mortgages, except those heretofore disclosed in writing to Tenant and which will not interfere with Tenant's rights to or use of the Premises; (iii) execution and performance of this Lease will not violate any laws, ordinances, covenants, or the provisions of any mortgage, lease, or other agreement binding on Landlord; and (iv) Tenant's quiet enjoyment of the Premises or any part thereof shall not be disturbed as long as Tenant is not in default beyond any applicable grace or cure period.

14. **Environmental Laws.** Landlord represents that it has no actual knowledge of any substance, chemical or waste (collectively, "Hazardous Substance") on the Property that is identified as hazardous, toxic or dangerous in any applicable federal, state or local law or regulation. Landlord and Tenant shall not introduce or use any Hazardous Substance on the Property in violation of any applicable law. Landlord shall be responsible for, and shall promptly conduct any investigation and remediation as required by any applicable environmental laws, all spills or other releases of any Hazardous Substance not caused solely by Tenant, that have occurred or which may occur on the Property. Each party agrees to defend, indemnify and hold harmless the other from and against any and all administrative and judicial actions and rulings, claims, causes of action, demands and liability (collectively, "Claims") including, but not limited to, damages, costs, expenses, assessments, penalties, fines, losses, judgments and reasonable attorney fees that the indemnitee may suffer or incur due to the existence of any Hazardous Substances on the Property or the migration of any Hazardous Substance to other properties or the release of any Hazardous Substance into the environment (collectively, "Actions"), that relate to or arise from the indemnitor's activities on the Property. The indemnifications in this section specifically include, without limitation, costs incurred in connection with any investigation of site conditions or any cleanup, remedial, removal or restoration work required by any governmental authority. This Section 14 shall survive the termination or expiration of this Lease.

15. **Assignment and Subleasing.** Tenant shall have the right to assign or otherwise transfer this Lease and the Rights of Access (as defined above) to any person or business entity which: (i) is FCC licensed to operate a wireless communications business; (ii) is a parent, subsidiary or affiliate of Tenant or Tenant's parent; (iii) is merged or consolidated with Tenant; (iv) acquires more than fifty percent (50%) of either an ownership interest in Tenant or the assets of Tenant in the "Metropolitan Trading Area" or "Basic Trading Area" (as those terms are defined by the FCC) in which the Property is located; and/or (v) any entity or company whose primary business function is the management or operation of wireless communications real estate or leases. Tenant may otherwise assign this Lease upon written approval of Landlord, which approval shall not be unreasonably delayed, withheld, conditioned or denied. Upon written notice to Landlord, Tenant may sublease the Premises to subsequent third-party users ("Subsequent User"). Upon the execution of any sublease, Landlord shall be entitled to receive an amount equal to ten percent (10%) of the Subsequent User's monthly rent as additional rent from Tenant until the expiration or earlier termination of the sublease.

Landlord shall have the right to assign or otherwise transfer this Lease and the Rights of Access granted herein, upon written notice to Tenant except for the following; any assignment or transfer of this Lease which is separate and distinct from a transfer of Landlord's entire right, title and interest in the Property, shall require the prior written consent of Tenant which may be withheld in Tenant's sole discretion. Upon Tenant's receipt of (i) an executed deed or assignment and (ii) an IRS Form W-9 from assignee, and subject to Tenant's consent, if required, Landlord shall be relieved of all liabilities and obligations hereunder and Tenant shall look solely to the assignee for performance under this Lease and all obligations hereunder.

Additionally, notwithstanding anything to the contrary above, Landlord or Tenant may, upon notice to the other, grant a security interest in this Lease (and as regards the Tenant, in the Antenna Facilities), and may collaterally assign this Lease (and as regards the Tenant, in the Antenna Facilities) to any mortgagees or holders of security interests, including their successors or assigns (collectively "Secured Parties"). In such event, Landlord or Tenant, as the case may be, shall execute such consent to leasehold financing as may reasonably be required by Secured Parties.

16. Successors and Assigns. This Lease and the Rights of Access granted herein shall run with the land, and shall be binding upon and inure to the benefit of the parties, their respective successors, personal representatives and assigns.

17. Waiver of Landlord's Lien. Landlord hereby waives any and all lien rights it may have, statutory or otherwise, concerning the Antenna Facilities or any portion thereof, which shall be deemed personal property for the purposes of this Lease, whether or not the same is deemed real or personal property under applicable laws, and Landlord gives Tenant and Secured Parties the right to remove all or any portion of the same from time to time, whether before or after a default under this Lease, in Tenant's and/or Secured Party's sole discretion and without Landlord's consent.

18. Miscellaneous.

(a) The prevailing party in any litigation arising hereunder shall be entitled to reimbursement from the other party of its reasonable attorneys' fees and court costs, including appeals, if any.

(b) This Lease constitutes the entire agreement and understanding of the parties, and supersedes all offers, negotiations and other agreements with respect to the subject matter and property covered by this Lease. Any amendments to this Lease must be in writing and executed by both parties.

(c) Landlord agrees to reasonably cooperate, at expense of Tenant, with Tenant in executing any documents necessary to protect Tenant's rights in or use of the Premises. A Memorandum of Lease in substantially the form attached hereto as Exhibit C may be recorded in place of this Lease by Tenant.

(d) In the event the Property is encumbered by a mortgage or deed of trust, Landlord agrees, upon request of Tenant, to obtain and furnish to Tenant a non-disturbance and attornment agreement for each such mortgage or deed of trust, in a form reasonably acceptable to Tenant.

(e) Tenant may obtain title insurance on its interest in the Premises. Landlord agrees to execute such documents as the title company may require in connection therewith.

(f) This Lease shall be construed in accordance with the laws of the state in which the Property is located, without regard to the conflicts of law principles of such state.

(g) If any term of this Lease is found to be void or invalid, the remaining terms of this Lease shall continue in full force and effect. Any questions of particular interpretation shall not be interpreted against the drafter, but rather in accordance with the fair meaning thereof. No provision of this Lease will be deemed waived by either party unless expressly waived in writing by the waiving party. No waiver shall be implied by delay or any other act or omission of either party. No waiver by either party of any provision of this Lease shall be deemed a waiver of such provision with respect to any subsequent matter relating to such provision.

(h) The persons who have executed this Lease represent and warrant that they are duly authorized to execute this Lease in their individual or representative capacities as indicated.


(i) This Lease may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute a single instrument.

(j) All Exhibits referred to herein and any Addenda are incorporated herein for all purposes. The parties understand and acknowledge that Exhibits A and B may be attached to this Lease and the Memorandum of Lease, in preliminary form. Accordingly, the parties agree that upon the preparation of final, more complete exhibits, Exhibits A and/or B, as the case may be, may be replaced by Tenant with such final, more complete exhibit(s).

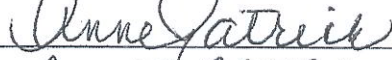
(k) If either party is represented by any broker or any other leasing agent, such party is responsible for all commission fee or other payment to such agent, and agrees to indemnify and hold the other party harmless from all claims by such broker or anyone claiming through such broker.

The effective date of this Lease is the date of execution by the last party to sign (the "Effective Date").

LANDLORD: 15 Orchard Park Road, LLC

By: 
Printed Name: David Milano
Title: Manager of Site Member
Date: 2-27-09

TENANT: Omnipoint Communications, Inc.

By: 
Printed Name: ANNE PATRICK
Title: AREA DIRECTOR
Date: 2/9/09

T-Mobile Legal Approval

**EXHIBIT A
Legal Description**

The Property is legally described as follows:

FIRST PIECE

ALL THAT CERTAIN piece or parcel of land, with the buildings and improvements thereon, situated in the Town of Madison, County of New Haven, and State of Connecticut, and shown as Lot #3 on a map entitled, "Line Revision Lot 3 – Orchard Park & Other Land of Milano Scale 1"=50' March 7, 1983, by Eric G. Anderson", which map is on file in the Madison Town Clerk's Office, said parcel being bounded and described as follows:

WESTERLY and
NORTHERLY: by Orchard Park Road, by a curved line, as shown on said map, 51.57 feet;

SOUTHWESTERLY: by "Other Land of Milano", as shown on said map, 52.58 feet;

SOUTHERLY: by "Other Land of Milano", by a bent line, as shown on said map, 485.30 feet;

EASTERLY: by land now or formerly of Birnbaum, in part, and by land now or formerly of Goddard, in part, as shown on said map, in all, 400.54 feet;

NORTHERLY: by land now or formerly of Penn Central R.R., as shown on said map, 22.76 feet;

NORTHERLY AGAIN: by land now or formerly of Penn Central R.R., by a curved line, as shown on said map, 192.31 feet;

WESTERLY AGAIN: by Lot #2, as shown on said map, 319.33 feet; and

NORTHERLY AGAIN: by Lot #2, as shown on said map, 274.00 feet.

Reference is herein made to a map entitled, "Final Plan Orchard Park, Madison, Connecticut Scale 1"=50' dated July 30, 1979 Drainage added 7-31-79 Tests added 8-8-79 Rev. 8-16-79 Rev. 9-18-79, Road Name Revised 8-5-80" Survey and map by Eric G. Anderson L.S. 7018, which map is on file in the Madison Town Clerk's Office.

TOGETHER WITH the terms and provisions of an Easement to The Connecticut Light and Power Company dated June 10, 1983 and recorded in Volume 214 at Page 881 of the Madison Land Records.

SECOND PIECE

ALL THAT CERTAIN piece or parcel of land situated in the Town of Madison, County of New Haven, and State of Connecticut, as shown on a map entitled, "Property Survey Property to be Annexed to Lot 3 – 'Orchard Park' East of Orchard Park Road Madison, Conn.", Scale 1"=20' January 24, 2002 Survey by Anderson Engineering & Surveying Associates 1054 Boston Post Road Guilford, Conn. 06437, said parcel being bounded and described as follows:

WESTERLY: by Lot 3 – 'Orchard Park', as shown on said map, 271.46 feet;

NORTHERLY: by land now or formerly of Louise A. Goddard, et als., by a bent line, as shown on said map, 170.73 feet;

EASTERLY: by other land of David C. Ward & Patricia Bray-Ward, as shown on said map, 244.24 feet;

SOUTHERLY: by other land of David C. Ward & Patricia Bray-Ward, as shown on said map, 160.52 feet.

EXHIBIT B

The location of the Premises within the Property (together with access and utilities) is more particularly described and depicted as follows:

SEE ATTACHED.

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE
KILLINGWORTH, CT. 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
www.allpointstech.com



APT FILING NUMBER: CT-255T-340

LE-1

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 10/31/08

CHECKED BY: SMC



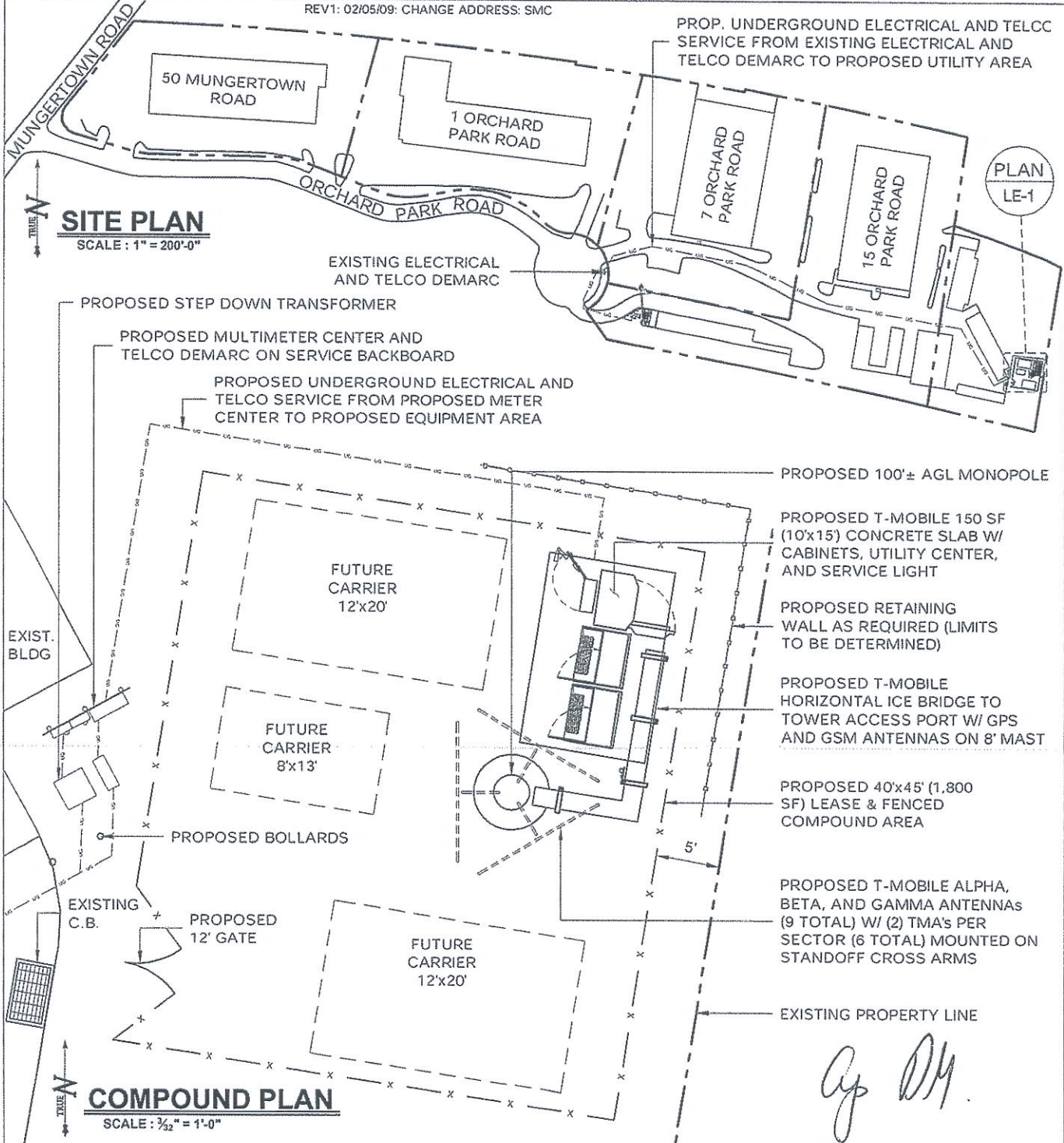
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

**T-MOBILE SITE NUMBER
CTNH808A**

AMTRAK MADISON
15 ORCHARD PARK ROAD
MADISON, CT 06443-2273

NOTE:
PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN. ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.
ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.

REV1: 02/05/09: CHANGE ADDRESS: SMC



AAJ

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE
KILLINGWORTH, CT. 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
www.allpointstech.com



APT FILING NUMBER: CT-255T-340

LE-2

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 10/31/08

CHECKED BY: SMC



35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

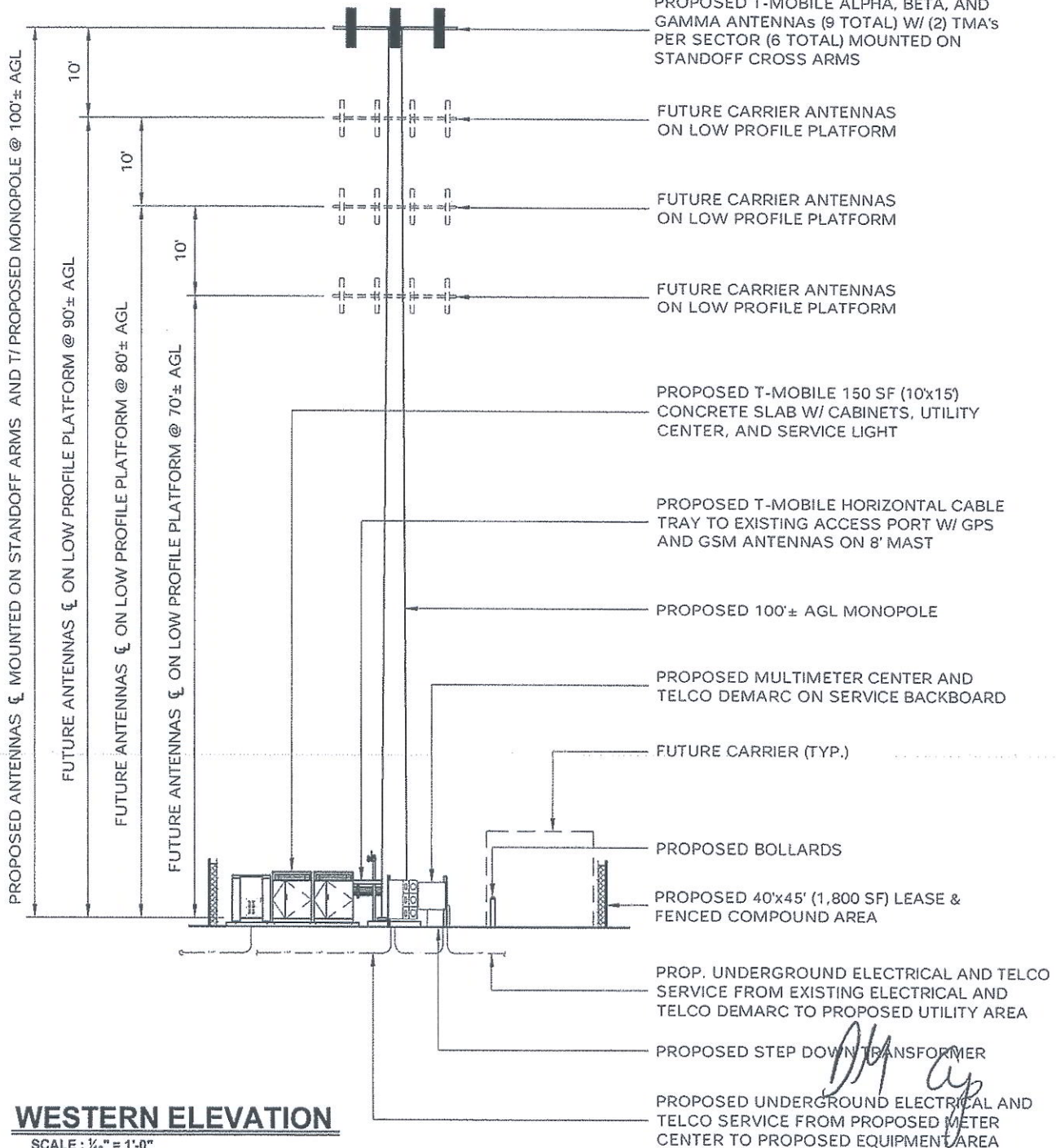
T-MOBILE SITE NUMBER
CTNH808A

AMTRAK MADISON
15 ORCHARD PARK ROAD
MADISON, CT 06443-2273

NOTE:

PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS. ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.

REV1: 02/05/09: CHANGE ADDRESS: SMC



WESTERN ELEVATION

SCALE: 1/8" = 1'-0"

EXHIBIT C

**Memorandum
of
Lease**

MEMORANDUM OF LEASE

Assessor's Parcel Number: Map:36 Lot 3

Between **15 Orchard Park Road, LLC** ("Landlord") and **Omnipoint Communications, Inc.** ("Tenant")

NAME AND ADDRESS OF LANDLORD: 15 Orchard Park Road, LLC
7 Orchard Park Road
Madison, CT 06443

NAME AND ADDRESS OF TENANT: Omnipoint Communications, Inc.
4 Sylvan Way
Parsippany, NJ 07054
Attn: Lease Administration Manager

LEASE DATE OF EXECTUION: _____

GROUND LEASE WITH OPTION: A Ground Lease with Option (the "Lease") by and between 15 Orchard Park Road LLC, a Connecticut limited liability company ("Landlord") and **Omnipoint Communications, Inc.**, a Delaware corporation ("Tenant") was made regarding a portion of the property described below (the "Leased Premises").

DESCRIPTION OF LEASED PREMSIES: The Leased Premises consists of a portion of the property (the "Property") known by the street address 15 Orchard Park Rd., Town of Madison, County of New Haven, State of Connecticut, which is sufficient for the placement of Antenna Facilities together with rights of access for access and utilities. A metes and bounds description of the Property is incorporated herein as Exhibit "A."

TERM OF THE LEASE: The term of the Lease is for five (5) years, commencing on the date of the exercise of the Option (the "Commencement Date") and expiring on midnight on the last day of the Initial or Renewal Term (the "Expiration Date").

OPTION TO EXTEND: Tenant has an option to extend the term of the Lease for four (4) successive periods of four (4) years each. This Lease shall automatically renew for each successive Renewal Term, unless Tenant notifies Landlord, in writing, of Tenant's intention not to renew this Lease, at least thirty (30) days prior to the expiration of the Initial Term or any Renewal Term.

TERMS OF THE LEASE GOVERN: The rights, obligations and remedies of Landlord and Tenant, respectively, with reference to each other and the Leased Premises shall be fixed, determined and governed solely by the terms of the Lease, this being a Memorandum of Lease executed by the parties hereto for the purpose of providing an instrument in lieu of recording the Lease.

The parties hereto have executed and delivered this Memorandum of Lease for the purpose of giving notice of the Lease to whomever it may concern. Fro a statement of the rights, privileges and obligations created under the Lease and of the options, terms, covenants and conditions contained therein, reference should be made to the Lease.

IN WITNESS WHEREOF, the parties hereto have respectively executed this memorandum effective as of the date of the last party to sign.

LANDLORD: 15 Orchard Park Road, LLC

By: _____
Printed Name: _____
Title: _____
Date: _____

TENANT: Omnipoint Communications, Inc.

By: _____
Printed Name: _____
Title: _____
Date: _____

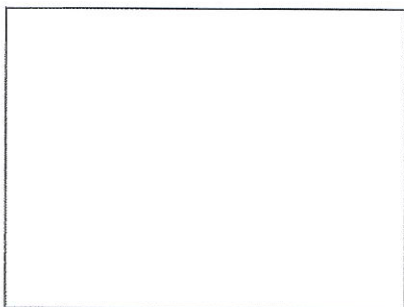
[Notary block for Landlord]

[Landlord Notary block for a Corporation, Partnership, or Limited Liability Company]

STATE OF _____)
) ss.
COUNTY OF _____)

This instrument was acknowledged before me on _____ by _____, [title]
_____ of _____ a _____ [type of entity], on
behalf of said _____ [name of entity].

Dated: _____



(Use this space for notary stamp/seal)

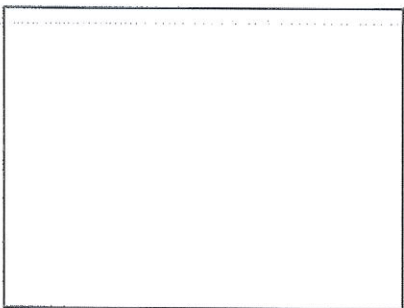
Notary Public
Print Name _____
My commission expires _____

[Notary block for Tenant]

STATE OF MASSACHUSETTS)
) ss.
COUNTY OF BRISTOL)

I certify that I know or have satisfactory evidence that Anne Patrick is the person who appeared before me, and said person acknowledged that he signed this instrument, on oath stated that he was authorized to execute the instrument and acknowledged it as the Area Director of Omnipoint Communications, Inc., a Delaware corporation, to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated: _____



(Use this space for notary stamp/seal)

Notary Public
Print Name _____
My commission expires _____

**Memorandum of Lease Exhibit A
Legal Description**

The Property is legally described as follows:

FIRST PIECE

ALL THAT CERTAIN piece or parcel of land, with the buildings and improvements thereon, situated in the Town of Madison, County of New Haven, and State of Connecticut, and shown as Lot #3 on a map entitled, "Line Revision Lot 3 – Orchard Park & Other Land of Milano Scale 1"=50' March 7, 1983, by Eric G. Anderson", which map is on file in the Madison Town Clerk's Office, said parcel being bounded and described as follows:

WESTERLY and
NORTHERLY: by Orchard Park Road, by a curved line, as shown on said map, 51.57 feet;

SOUTHWESTERLY: by "Other Land of Milano", as shown on said map, 52.58 feet;

SOUTHERLY: by "Other Land of Milano", by a bent line, as shown on said map, 485.30 feet;

EASTERLY: by land now or formerly of Birnbaum, in part, and by land now or formerly of Goddard, in part, as shown on said map, in all, 400.54 feet;

NORTHERLY: by land now or formerly of Penn Central R.R., as shown on said map, 22.76 feet;

NORTHERLY AGAIN: by land now or formerly of Penn Central R.R., by a curved line, as shown on said map, 192.31 feet;

WESTERLY AGAIN: by Lot #2, as shown on said map, 319.33 feet; and

NORTHERLY AGAIN: by Lot #2, as shown on said map, 274.00 feet.

Reference is herein made to a map entitled, "Final Plan Orchard Park, Madison, Connecticut Scale 1"=50' dated July 30, 1979 Drainage added 7-31-79 Tests added 8-8-79 Rev. 8-16-79 Rev. 9-18-79, Road Name Revised 8-5-80" Survey and map by Eric G. Anderson L.S. 7018, which map is on file in the Madison Town Clerk's Office.

TOGETHER WITH the terms and provisions of an Easement to The Connecticut Light and Power Company dated June 10, 1983 and recorded in Volume 214 at Page 881 of the Madison Land Records.

SECOND PIECE

ALL THAT CERTAIN piece or parcel of land situated in the Town of Madison, County of New Haven, and State of Connecticut, as shown on a map entitled, "Property Survey Property to be Annexed to Lot 3 – 'Orchard Park' East of Orchard Park Road Madison, Conn.", Scale 1"=20' January 24, 2002 Survey by Anderson Engineering & Surveying Associates 1054 Boston Post Road Guilford, Conn. 06437, said parcel being bounded and described as follows:

WESTERLY: by Lot 3 – 'Orchard Park', as shown on said map, 271.46 feet;

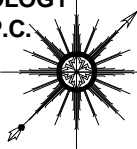
NORTHERLY: by land now or formerly of Louise A. Goddard, et als., by a bent line, as shown on said map, 170.73 feet;

EASTERLY: by other land of David C. Ward & Patricia Bray-Ward, as shown on said map, 244.24 feet;

SOUTHERLY: by other land of David C. Ward & Patricia Bray-Ward, as shown on said map, 160.52 feet.

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE
KILLINGWORTH, CT, 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
www.allpointstech.com



APT FILING NUMBER: CT-255T-340

LE-1

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 10/31/08

CHECKED BY: SMC



**T-MOBILE SITE NUMBER
CTNH808A**

**AMTRAK MADISON
15 ORCHARD PARK ROAD
MADISON, CT 06443-2273**

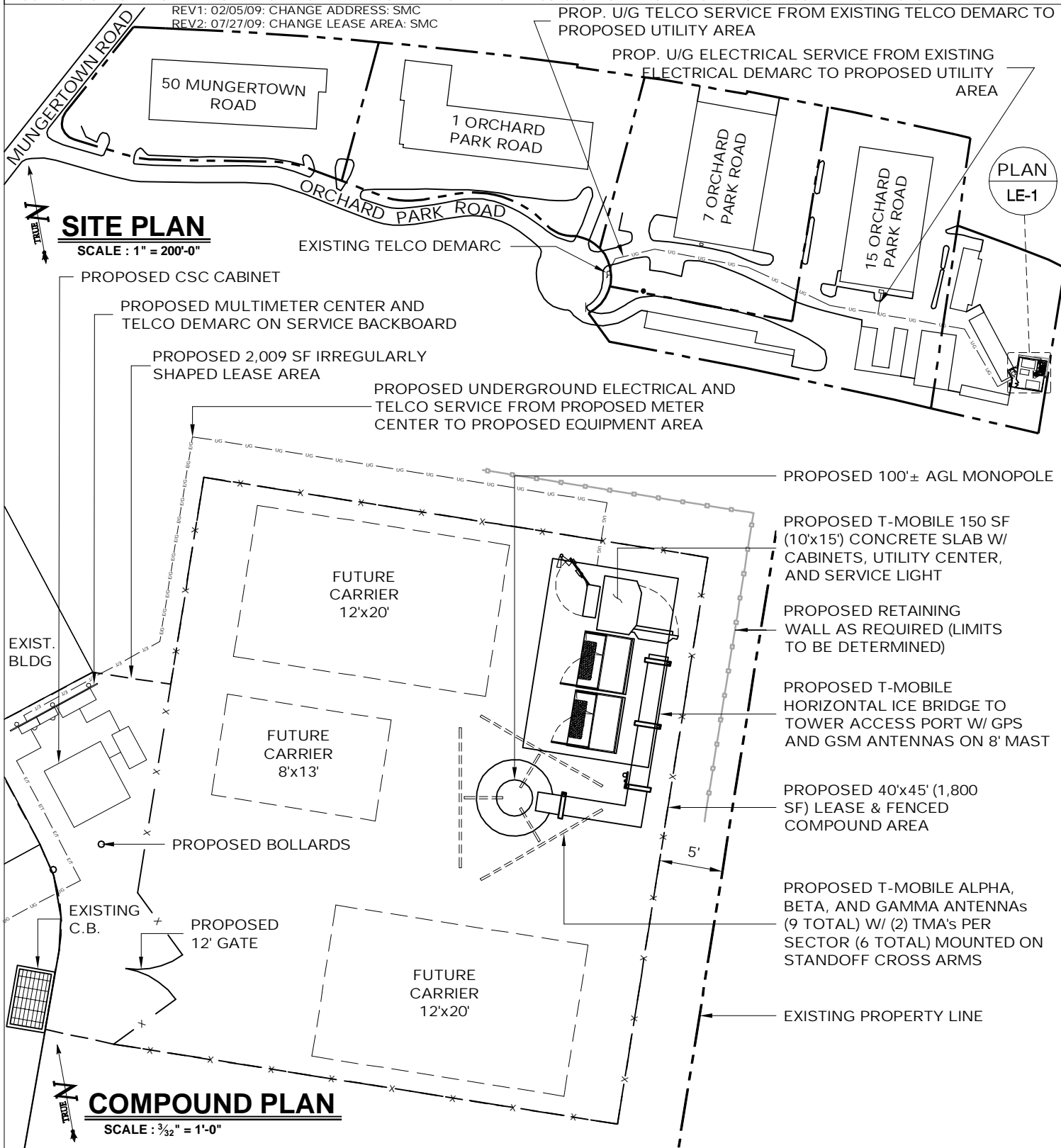
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

NOTE:
PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.
ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.

REV1: 02/05/09: CHANGE ADDRESS: SMC
REV2: 07/27/09: CHANGE LEASE AREA: SMC

PROP. U/G TELCO SERVICE FROM EXISTING TELCO DEMARC TO PROPOSED UTILITY AREA

PROP. U/G ELECTRICAL SERVICE FROM EXISTING ELECTRICAL DEMARC TO PROPOSED UTILITY AREA



PLAN
LE-1

SITE PLAN
SCALE: 1" = 200'-0"

PROPOSED CSC CABINET
PROPOSED MULTIMETER CENTER AND
TELCO DEMARC ON SERVICE BACKBOARD

PROPOSED 2,009 SF IRREGULARLY
SHAPED LEASE AREA

PROPOSED UNDERGROUND ELECTRICAL AND
TELCO SERVICE FROM PROPOSED METER
CENTER TO PROPOSED EQUIPMENT AREA

PROPOSED 100'± AGL MONOPOLE

PROPOSED T-MOBILE 150 SF
(10'x15') CONCRETE SLAB W/
CABINETS, UTILITY CENTER,
AND SERVICE LIGHT

PROPOSED RETAINING
WALL AS REQUIRED (LIMITS
TO BE DETERMINED)

PROPOSED T-MOBILE
HORIZONTAL ICE BRIDGE TO
TOWER ACCESS PORT W/ GPS
AND GSM ANTENNAS ON 8' MAST

PROPOSED 40'x45' (1,800
SF) LEASE & FENCED
COMPOUND AREA

PROPOSED T-MOBILE ALPHA,
BETA, AND GAMMA ANTENNAS
(9 TOTAL) W/ (2) TMA's PER
SECTOR (6 TOTAL) MOUNTED ON
STANDOFF CROSS ARMS

EXISTING PROPERTY LINE

COMPOUND PLAN
SCALE: 3/32" = 1'-0"

FUTURE
CARRIER
12'x20'

FUTURE
CARRIER
8'x13'

FUTURE
CARRIER
12'x20'

EXIST.
BLDG

EXISTING
C.B.

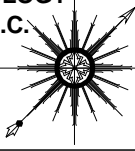
PROPOSED BOLLARDS

PROPOSED
12' GATE

5'

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE
KILLINGWORTH, CT, 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
www.allpointstech.com



APT FILING NUMBER: CT-255T-340

LE-2

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 10/31/08

CHECKED BY: SMC



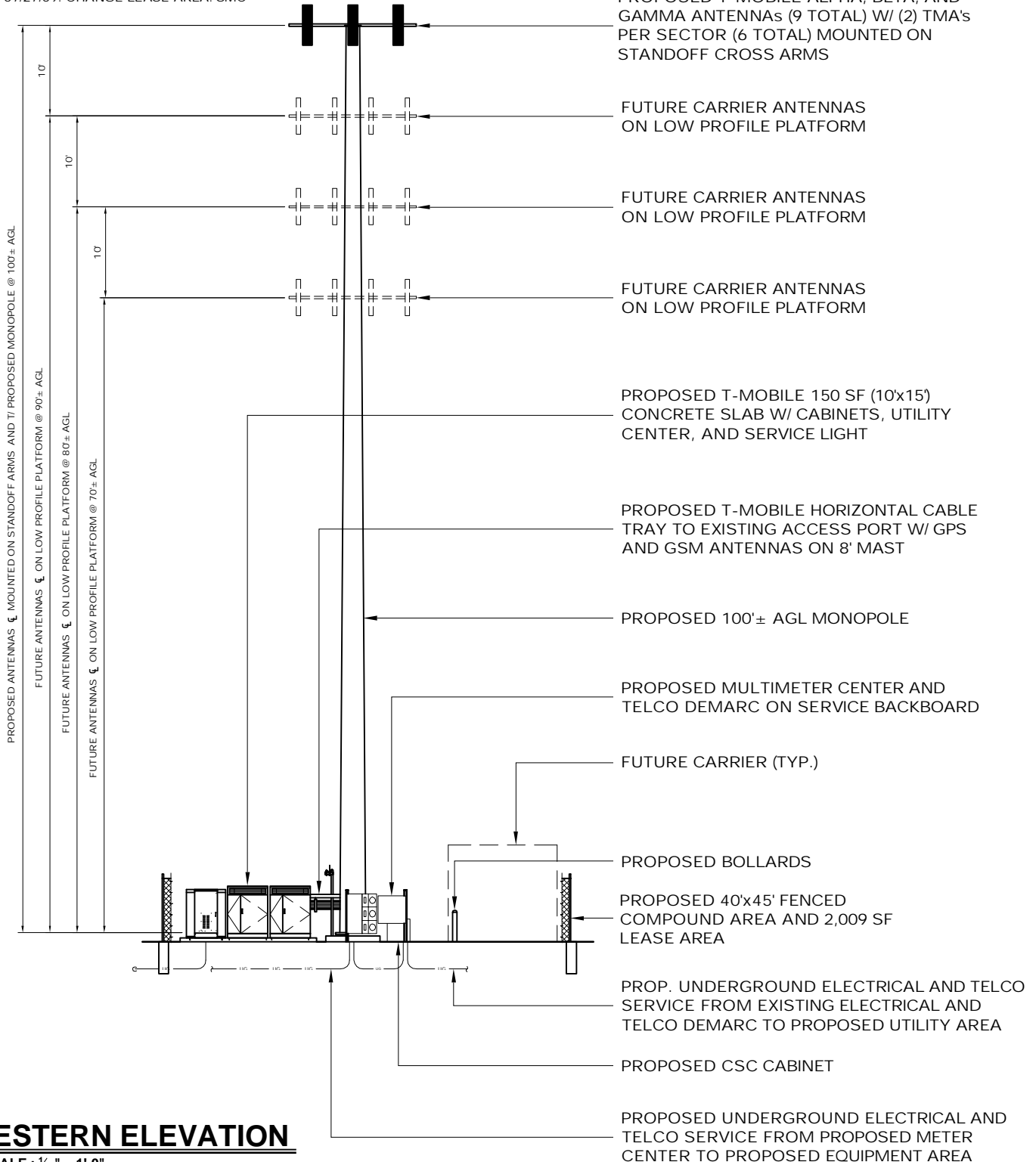
**T-MOBILE SITE NUMBER
CTNH808A**

**AMTRAK MADISON
15 ORCHARD PARK ROAD
MADISON, CT 06443-2273**

NOTE:

PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS. ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.

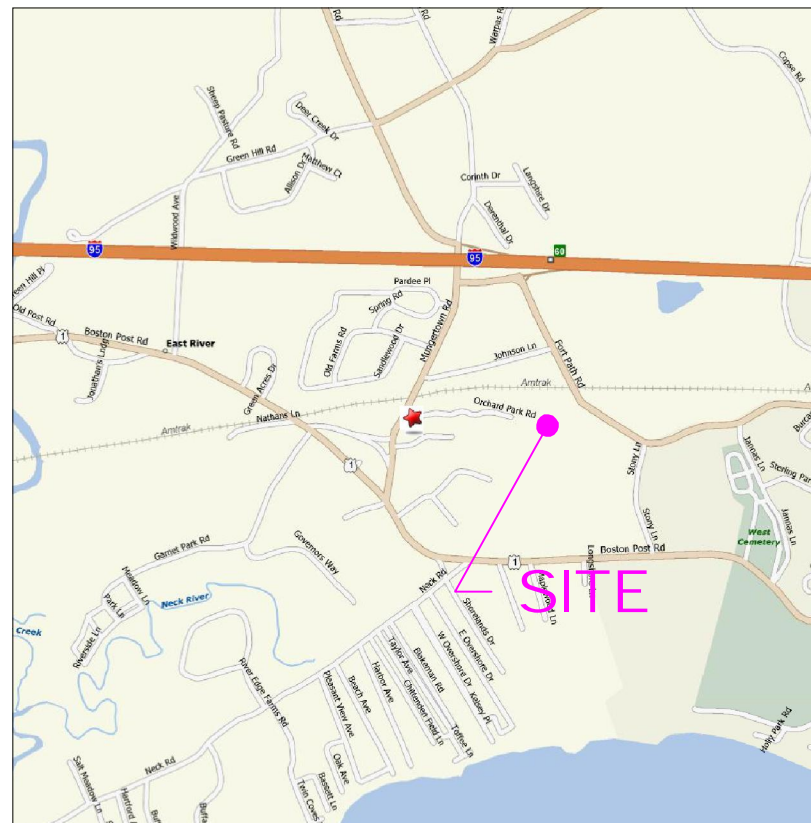
REV1: 02/05/09: CHANGE ADDRESS: SMC
REV2: 07/27/09: CHANGE LEASE AREA: SMC



WESTERN ELEVATION

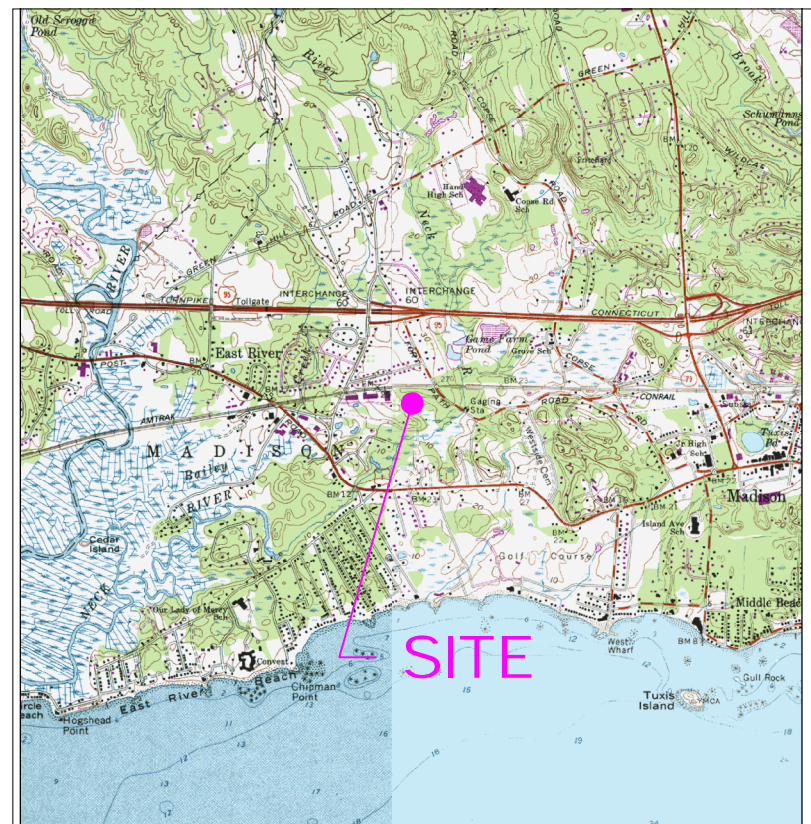
SCALE : 1/16" = 1'-0"

LOCATION MAP



SCALE: N.T.S.

USGS TOPOGRAPHIC MAP



SCALE: 1" = 2,000'



**35 GRIFFIN ROAD
BLOOMFIELD, CT 06002**

**OFFICE: (860)-692-7100
FAX: (860)-692-7159**

DRAWING INDEX

- T-1 TITLE SHEET & INDEX
- A-1 ABUTTERS MAP
- SP-1 SITE PLAN
- SP-2 COMPOUND PLAN & TOWER ELEVATION
- AE-1 AERIAL MAP

***SITE INFORMATION:**

-SITE NAME:..... AMTRAK MADISON
 -SITE ID NUMBER:..... CTNH808A
 -SITE ADDRESS:..... 15 ORCHARD PARK ROAD
 MADISON, CT 06443

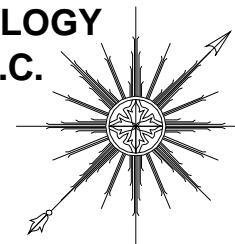
 -MAP:..... 36
 -BLOCK:.....
 -LOT:..... 3

-ZONE:..... LI
 -LATITUDE:..... 41° 16' 59.10" N
 -LONGITUDE:..... 72° 37' 23.07" W
 -ELEVATION:..... 21± AMSL
 -FEMA/FIRM
 DESIGNATION:..... ZONE 'X'
 -ACREAGE:..... 3.51 Ac

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ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE
 KILLINGWORTH, CT. 06419
 PHONE: (860)-663-1697
 FAX: (860)-663-0935
 www.allpointstech.com



CONTACT PERSONNEL

APPLICANT:
 OMNIPOINT COMMUNICATIONS, INC.
 A WHOLLY OWNED SUBSIDIARY OF T-MOBILE, USA
 100 FILLEY STREET BLOOMFIELD, CT 06002

LANDLORD

15 ORCHARD PARK RD LLC
 7 ORCHARD PARK ROAD
 MADISON, CT 06443

T-MOBILE PROJECT MANAGER:

JOHN LUISI (860) 680-9104

T-MOBILE PROJECT ATTORNEY:

JULIE D. KOHLER, ESQ.
 COHEN AND WOLF, P.C.
 1115 BROAD STREET
 BRIDGEPORT, CT 06604
 203-337-4157

POWER PROVIDER:

CL&P (203) 245-5325
 CONTACT: CHRIS BEEBE: CASE# 1299922

TELCO PROVIDER:

AT&T: (800)-727-8368

CALL BEFORE YOU DIG:

(800) 922-4455

GOVERNING CODES:

2005 CONNECTICUT BUILDING CODE (2003 IBC BASIS)
 NATIONAL ELECTRIC CODE
 EIA/TIA 222F

SITE INFORMATION

**CTNH808A
 AMTRAK MADISON
 15 ORCHARD PARK ROAD
 MADISON, CT 06443-2273**

PERMITTING DOCUMENTS

**AMTRAK MADISON
 15 ORCHARD PARK ROAD
 MADISON, CT 06443-2273**

DESIGN TYPE:

RAW LAND

REVISIONS:

REV.0: 05/15/09: FOR REVIEW: SMC
 REV.1: 05/20/09: FOR REVIEW: SMC
 REV.2: 05/26/09: FINAL
 REV.3: 07/27/09: FOR CSC: SMC
 REV.4:

**TITLE SHEET
 AND INDEX**

APT FILING NUMBER: CT-2557-340

APT DRAWING NUMBER: CTNH808 T-1.DWG

DRAWN BY: RCB

CHECKED BY: SMC

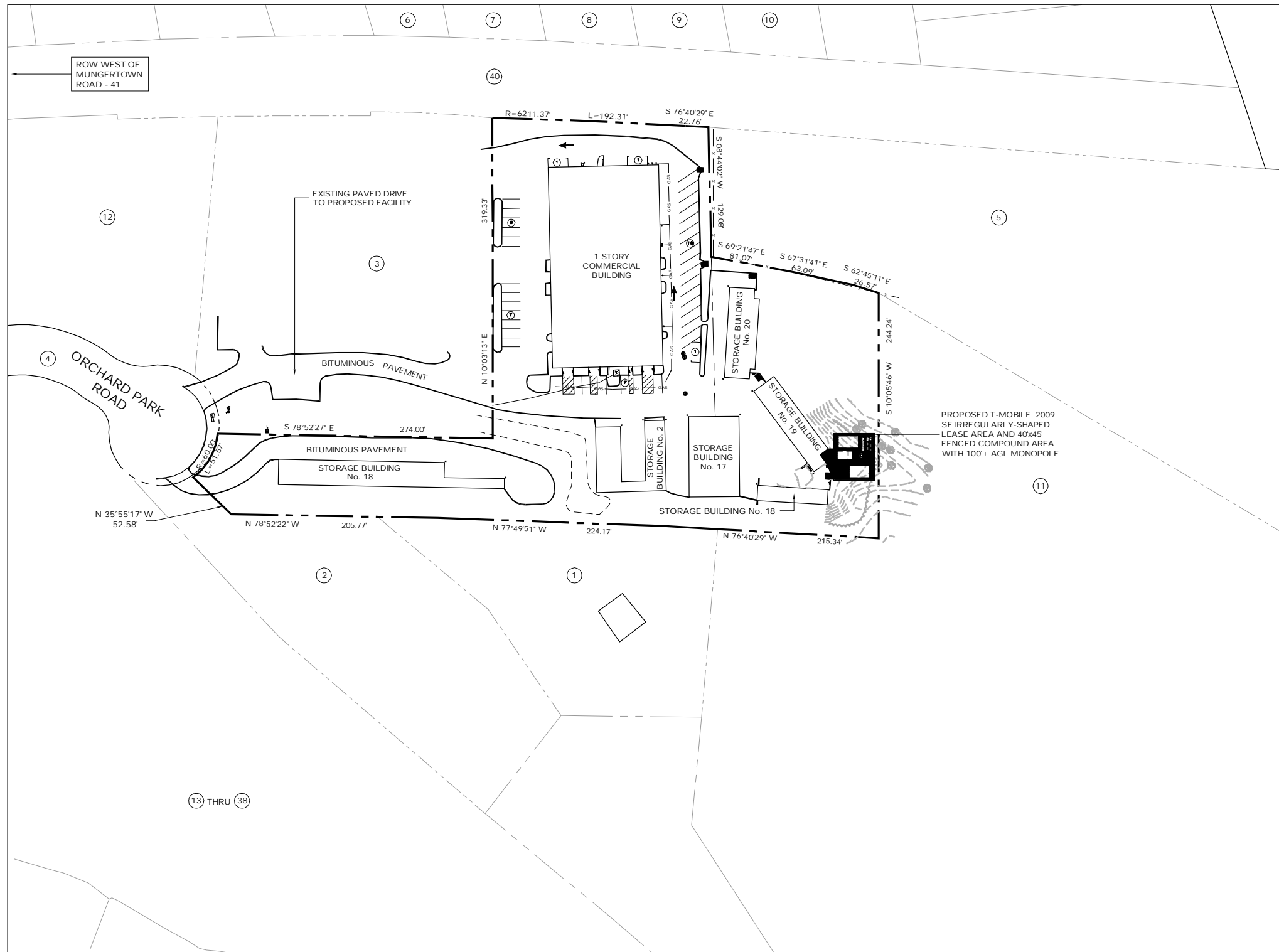
SCALE: AS NOTED

DATE: 04/27/09

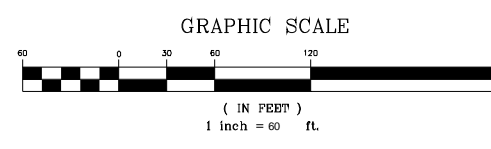
SHEET NUMBER:

T-1





SUBJECT PARCEL MAP 36, LOT 3 15 ORCHARD PARK ROAD, MADISON MADISON, CT 06443	14 MAP 35, LOT 37-2 2 ESTERLY ROAD, MADISON GERD NELSON MAILING: 2 ESTERLY ROAD MADISON, CT 06443	30 MAP 35, LOT 37-18 18 ESTERLY ROAD, MADISON FRANK N. DECAPUA MAILING: 18 ESTERLY ROAD MADISON, CT 06443
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5 MAP 36, LOT 25-1 0 FORT PATH ROAD, MADISON SUNSHINE HOUSE INC. MAILING: 206 CHURCH STREET NEW HAVEN, CT 06510 KINGSLEY GODDARD, LOUISE GODDARD, LAURIE GODDARD, & BENSON GODDARD MAILING: 353 BOSTON POST ROAD MADISON, CT 06443	20 MAP 35, LOT 37-8 8 ESTERLY ROAD, MADISON LISA M. TENBRUNSEL MAILING: 8 ESTERLY ROAD MADISON, CT 06443	36 MAP 35, LOT 37-24 24 ESTERLY ROAD, MADISON ESTERLY FARMS HOMEOWNEF ASSOCIATION, INC. MAILING: c/o MITCHELL REALTY 17 WATER STREET GUILFORD, CT 06437
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9 MAP 46, LOT 8 44 JOHNSON LANE, MADISON MOISES A. SEIN & NILVA E. SEIN MAILING: 44 JOHNSON LANE MADISON, CT 06443	24 MAP 35, LOT 37-12 12 ESTERLY ROAD, MADISON SCOTT M. HINDING MAILING: 12 ESTERLY ROAD MADISON, CT 06443	40 NO MAP OR LOT REFERENCE (RAILROAD) ADJACENT TO SUBJECT PARCEL NATIONAL RAILROAD PASSENGER CORP. MAILING: 400 NORTH CAPITAL STREET, NW WASHINGTON, DC 20001 ADDITIONAL MAILING: 30TH STREET STATION, 4 SOUTH BOX 25 PHILADELPHIA, PA 19104
10 MAP 46, LOT 7 48 JOHNSON LANE, MADISON JUDITH L. ROBINSON MAILING: 48 JOHNSON LANE MADISON, CT 06443	25 MAP 35, LOT 37-13 13 ESTERLY ROAD, MADISON BERTINA P. CASE MAILING: 13 ESTERLY ROAD MADISON, CT 06443	41 MAP 35, LOT 92 ADJACENT TO SUBJECT PARCEL NEW HAVEN & SHORELINE RAILROAD MAILING: 195 CHURCH STREET NEW HAVEN, CT 06510
11 MAP 36, LOT 14 301 BOSTON POST ROAD, MADISON RYAN McGETRICK & KATHERINE F. McGETRICK MAILING: 10 PEARL STREET CLINTON, CT 06413	26 MAP 35, LOT 37-14 14 ESTERLY ROAD, MADISON ESTERLY 14, LLC MAILING: 21 STONEWALL LANE MADISON, CT 06443	
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	29 MAP 35, LOT 37-17 17 ESTERLY ROAD, MADISON WILLIAM E. ENNIS & ISABELL ENNIS, TRUSTEES MAILING: 17 ESTERLY ROAD MADISON, CT 06443	



ABUTTERS MAP
SCALE: 1" = 60'

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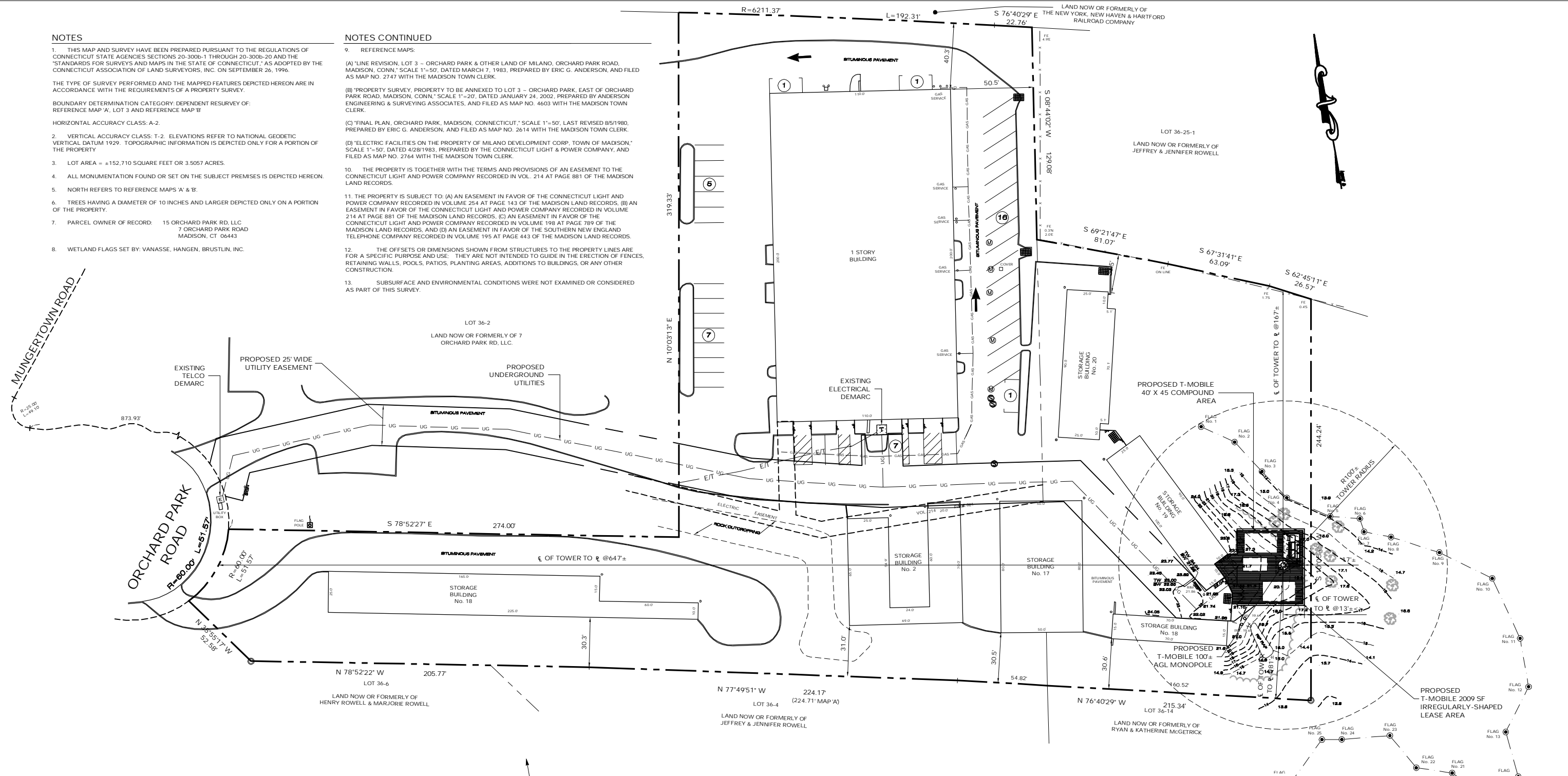
T-MOBILE SITE NUMBER: CTNH808A	PERMITTING DOCUMENTS AMTRAK MADISON 15 ORCHARD PARK ROAD MADISON, CT 06443-2273	ABUTTERS MAP
APT FILING NUMBER: CT-255T-340	DESIGN TYPE: RAW LAND	APT FILING NUMBER: CT-255T-340
		APT DRAWING NUMBER: CTNH808 A-1.DWG
35 GRIFFIN ROAD BLOOMFIELD, CT 06002 OFFICE: (860)-692-7100		DRAWN BY: RCB
		CHECKED BY: SMC
		SCALE: AS NOTED
		DATE: 04/27/09
ALL-POINTS TECHNOLOGY CORPORATION, P.C. 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 PHONE: (860)-663-1697 FAX: (860)-663-0935	REVISIONS: REV.0: 05/15/09: FOR REVIEW: SMC REV.1: 05/20/09: FOR REVIEW: SMC REV.2: 05/26/09: FINAL REV.3: 07/27/09: FOR CSC: SMC REV.4:	SHEET NUMBER: A-1

NOTES

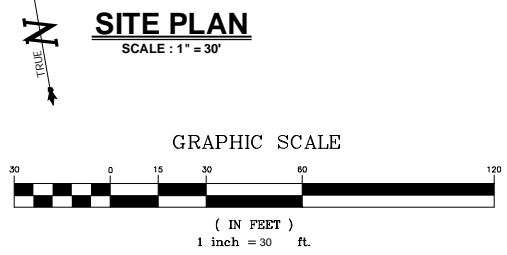
- THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT," AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A PROPERTY SURVEY.
BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY OF REFERENCE MAP 'A', LOT 3 AND REFERENCE MAP 'B'
HORIZONTAL ACCURACY CLASS: A-2.
- VERTICAL ACCURACY CLASS: T-2. ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM 1929. TOPOGRAPHIC INFORMATION IS DEPICTED ONLY FOR A PORTION OF THE PROPERTY.
- LOT AREA = 152,710 SQUARE FEET OR 3.5057 ACRES.
- ALL MONUMENTATION FOUND OR SET ON THE SUBJECT PREMISES IS DEPICTED HEREON.
- NORTH REFERS TO REFERENCE MAPS 'A' & 'B'.
- TREES HAVING A DIAMETER OF 10 INCHES AND LARGER DEPICTED ONLY ON A PORTION OF THE PROPERTY.
- PARCEL OWNER OF RECORD: 15 ORCHARD PARK RD, LLC
7 ORCHARD PARK ROAD
MADISON, CT 06443
- WETLAND FLAGS SET BY: VANASSE, HANGEN, BRUSTLIN, INC.

NOTES CONTINUED

- REFERENCE MAPS:
(A) "LINE REVISION, LOT 3 - ORCHARD PARK & OTHER LAND OF MILANO, ORCHARD PARK ROAD, MADISON, CONN." SCALE 1"=50', DATED MARCH 7, 1983, PREPARED BY ERIC G. ANDERSON, AND FILED AS MAP NO. 2747 WITH THE MADISON TOWN CLERK.
(B) "PROPERTY SURVEY, PROPERTY TO BE ANNEXED TO LOT 3 - ORCHARD PARK, EAST OF ORCHARD PARK ROAD, MADISON, CONN." SCALE 1"=20', DATED JANUARY 24, 2002, PREPARED BY ANDERSON ENGINEERING & SURVEYING ASSOCIATES, AND FILED AS MAP NO. 4603 WITH THE MADISON TOWN CLERK.
(C) "FINAL PLAN, ORCHARD PARK, MADISON, CONNECTICUT." SCALE 1"=50', LAST REVISED 8/5/1980, PREPARED BY ERIC G. ANDERSON, AND FILED AS MAP NO. 2614 WITH THE MADISON TOWN CLERK.
(D) "ELECTRIC FACILITIES ON THE PROPERTY OF MILANO DEVELOPMENT CORP., TOWN OF MADISON." SCALE 1"=50', DATED 4/28/1983, PREPARED BY THE CONNECTICUT LIGHT & POWER COMPANY, AND FILED AS MAP NO. 2764 WITH THE MADISON TOWN CLERK.
- THE PROPERTY IS TOGETHER WITH THE TERMS AND PROVISIONS OF AN EASEMENT TO THE CONNECTICUT LIGHT AND POWER COMPANY RECORDED IN VOL. 214 AT PAGE 881 OF THE MADISON LAND RECORDS.
- THE PROPERTY IS SUBJECT TO: (A) AN EASEMENT IN FAVOR OF THE CONNECTICUT LIGHT AND POWER COMPANY RECORDED IN VOLUME 254 AT PAGE 143 OF THE MADISON LAND RECORDS, (B) AN EASEMENT IN FAVOR OF THE CONNECTICUT LIGHT AND POWER COMPANY RECORDED IN VOLUME 214 AT PAGE 881 OF THE MADISON LAND RECORDS, (C) AN EASEMENT IN FAVOR OF THE CONNECTICUT LIGHT AND POWER COMPANY RECORDED IN VOLUME 198 AT PAGE 789 OF THE MADISON LAND RECORDS, AND (D) AN EASEMENT IN FAVOR OF THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY RECORDED IN VOLUME 195 AT PAGE 443 OF THE MADISON LAND RECORDS.
- THE OFFSETS OR DIMENSIONS SHOWN FROM STRUCTURES TO THE PROPERTY LINES ARE FOR A SPECIFIC PURPOSE AND USE. THEY ARE NOT INTENDED TO GUIDE IN THE ERECTION OF FENCES, RETAINING WALLS, POOLS, PATIOS, PLANTING AREAS, ADDITIONS TO BUILDINGS, OR ANY OTHER CONSTRUCTION.
- SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS PART OF THIS SURVEY.



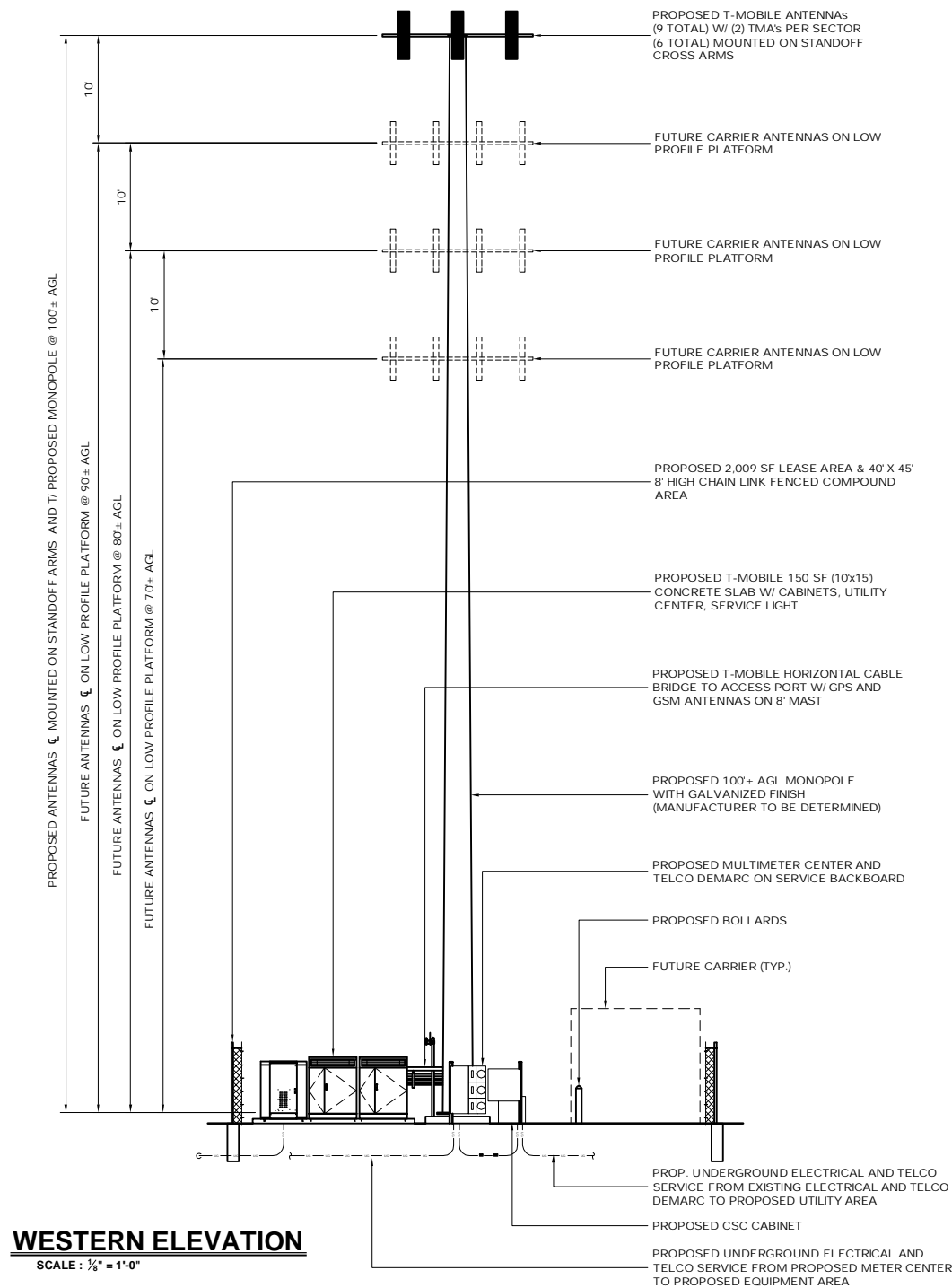
LEGEND	
	CURB
	DROP CURB
	WALL
	STONE WALL
	EDGE OF PAVEMENT
	OVERHEAD WIRES
	STRUCTURE - MANHOLE
	GAS VALVE
	WATER VALVE
	HANDICAP PARKING
	PARKING STALL COUNT
	DRAINAGE INLET / STRUCTURE
	CATCH BASIN
	SIGN
	LIGHT POLE
	UTILITY POLE
	STOCKADE FENCE
	CONTOURS
	TOP/BOTTOM OF CURB
	SPOT ELEVATION
	CONCRETE
	GUY WIRE



NO TREES WILL BE REMOVED AS PART OF THE CONSTRUCTION OF THE PROPOSED FACILITY

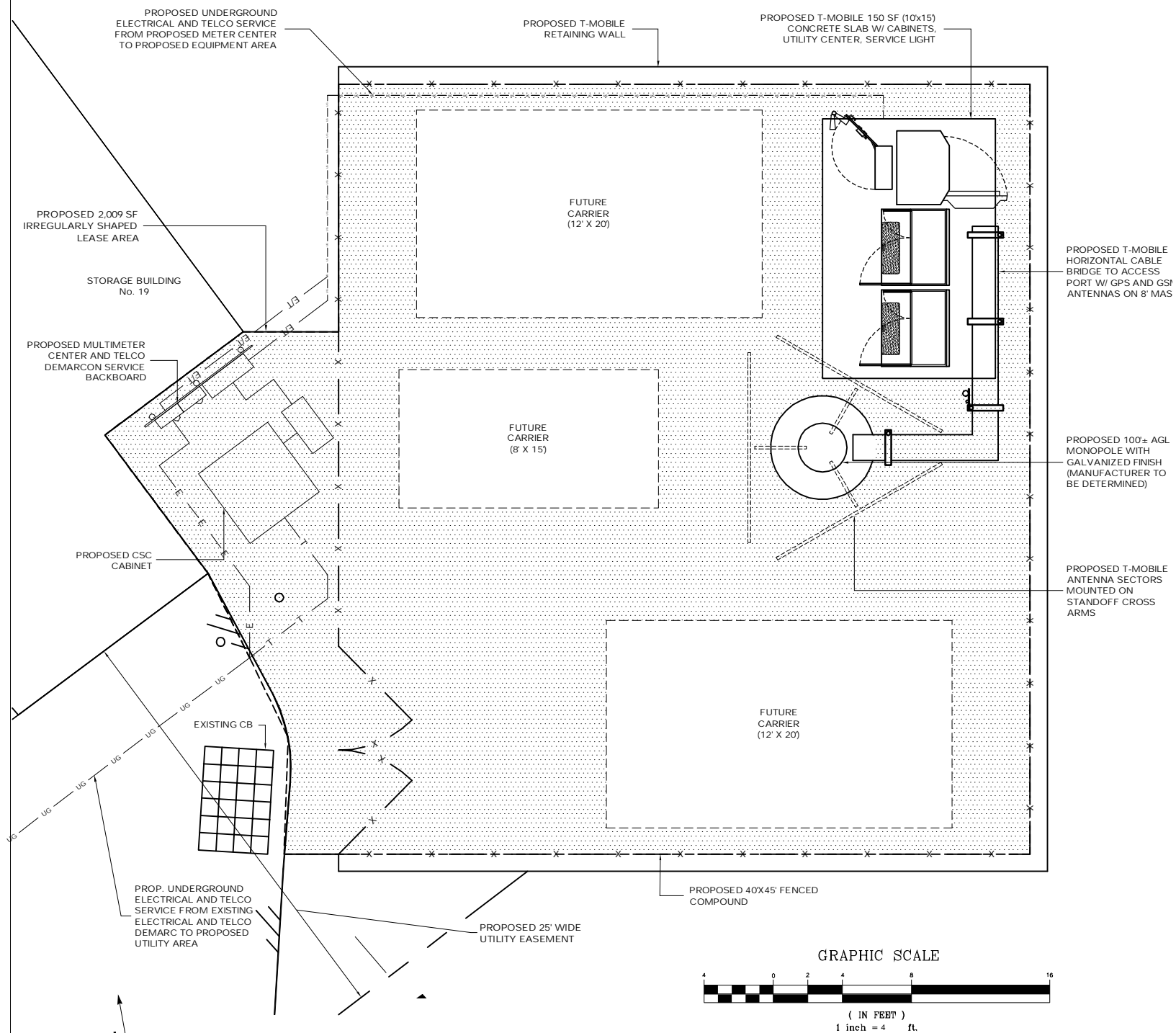
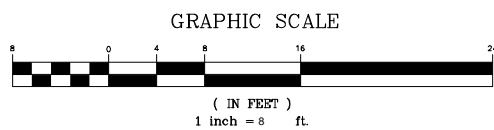
THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF OMNIPPOINT COMMUNICATIONS, INC. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE

T-Mobile 35 GRIFFIN ROAD BLOOMFIELD, CT 06002 OFFICE: (860)-692-7100	T-MOBILE SITE NUMBER: CTNH808A	PERMITTING DOCUMENTS AMTRAK MADISON 15 ORCHARD PARK ROAD MADISON, CT 06443-2273	SITE PLAN
	APT FILING NUMBER: CT-255T-340	DESIGN TYPE: RAW LAND	
ALL-POINTS TECHNOLOGY CORPORATION, P.C. 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 PHONE: (860)-663-1697 FAX: (860)-663-0935	REVISIONS: REV.0: 05/15/09: FOR REVIEW: SMC REV.1: 05/20/09: FOR REVIEW: SMC REV.2: 05/26/09: FINAL REV.3: 07/27/09: FOR CSC: SMC REV.4:	DRAWN BY: RCB CHECKED BY: SMC	SCALE: AS NOTED DATE: 04/27/09
	SHEET NUMBER: SP-1		



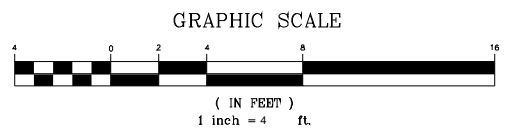
WESTERN ELEVATION

SCALE: 1/4" = 1'-0"



COMPOUND PLAN

SCALE: 1/4" = 1'-0"

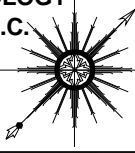


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T-Mobile 35 GRIFFIN ROAD BLOOMFIELD, CT 06002 OFFICE: (860)-692-7100	T-MOBILE SITE NUMBER: CTNH808A	PERMITTING DOCUMENTS AMTRAK MADISON 15 ORCHARD PARK ROAD MADISON, CT 06443-2273	COMPOUND PLAN & TOWER ELEVATION APT FILING NUMBER: CT-255T-340 APT DRAWING NUMBER: CTNH808 SP-1.DWG DRAWN BY: AAJ CHECKED BY: SMC
	APT FILING NUMBER: CT-255T-340	DESIGN TYPE: RAW LAND	
ALL-POINTS TECHNOLOGY CORPORATION, P.C. 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 PHONE: (860)-663-1697 FAX: (860)-663-0935	REVISIONS: REV.0: 05/15/09: FOR REVIEW: SMC REV.1: 05/20/09: FOR REVIEW: SMC REV.2: 05/26/09: FINAL REV.3: 07/27/09: FOR CSC: SMC REV.4:	SHEET NUMBER: SP-2	

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE
KILLINGWORTH, CT, 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
www.allpointstech.com



APT FILING NUMBER: CT-255T-340

AERIAL MAP

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 04/27/09

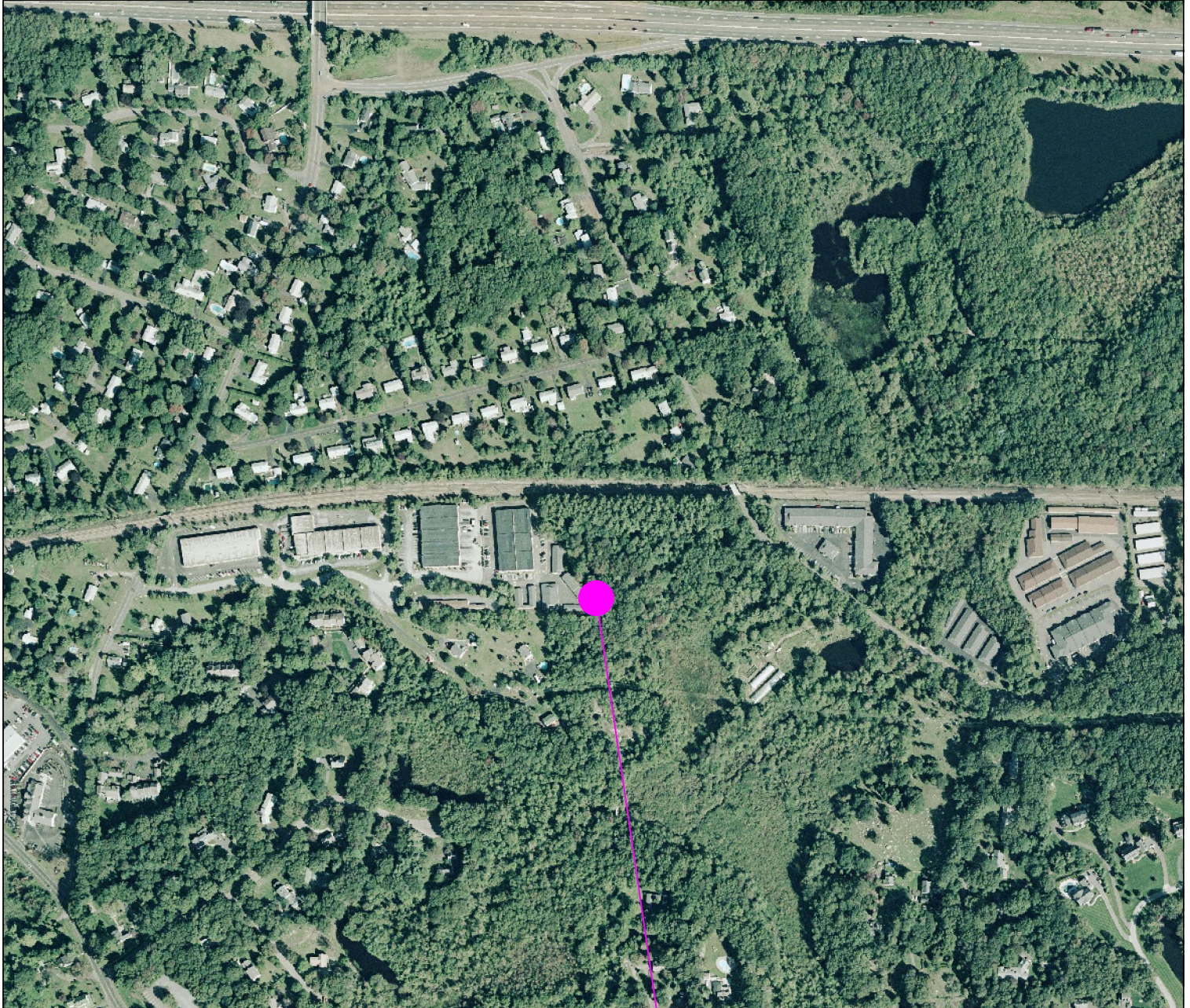
CHECKED BY: SMC

T-Mobile

T-MOBILE SITE NUMBER
CTNH808A

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

AMTRAK MADISON
15 ORCHARD PARK ROAD
MADISON, CT 06443-2273



SITE



AERIAL MAP

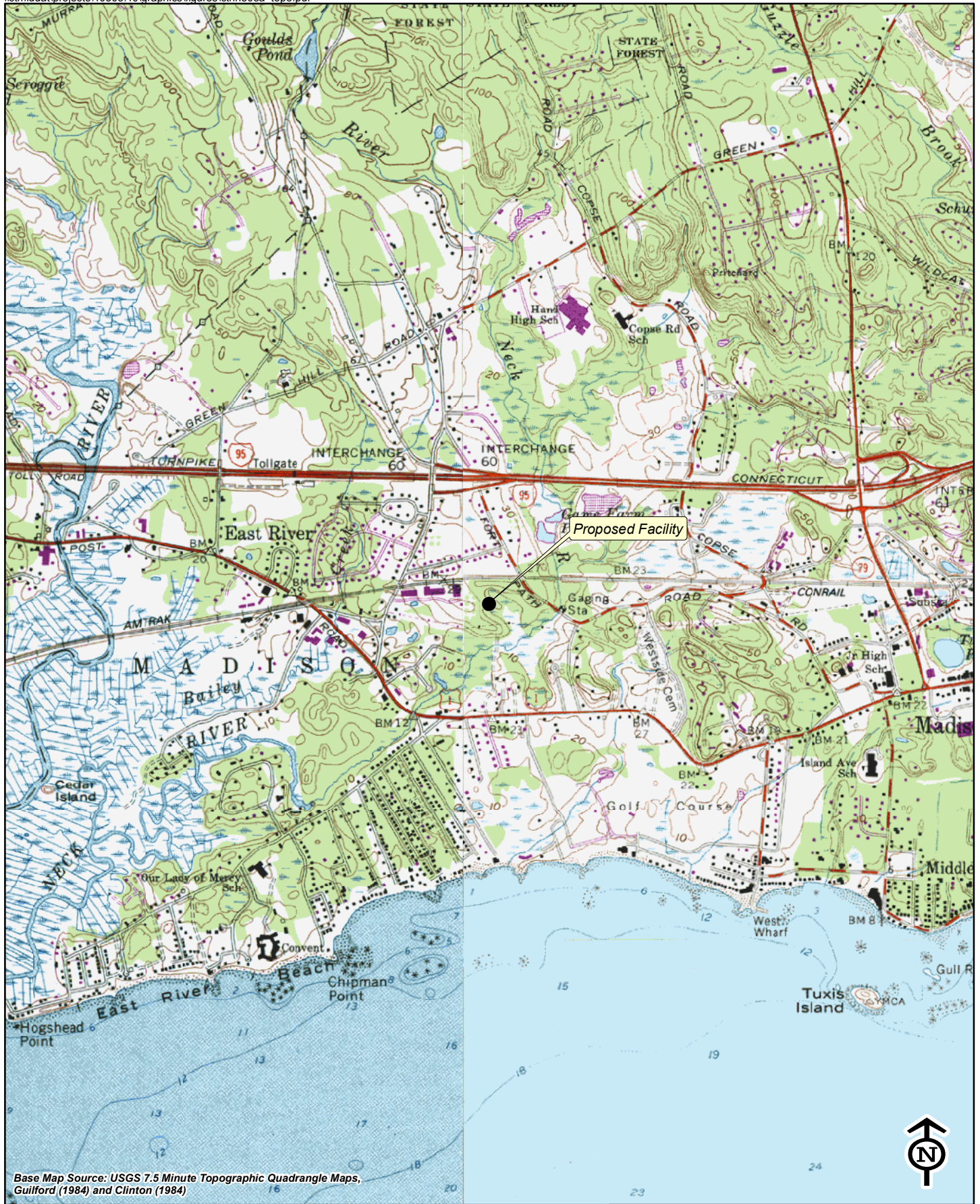
SCALE : 1" = 500'-0"

GRAPHIC SCALE

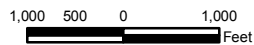


(IN FEET)

1 inch = 500 ft.

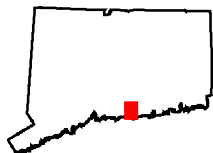


Base Map Source: USGS 7.5 Minute Topographic Quadrangle Maps, Guilford (1984) and Clinton (1984)



Vanasse Hangen Brustlin, Inc.

USGS Topographic Map
Proposed T-Mobile Wireless
Telecommunications Facility
CTNL808A
15 Orchard Park Road
Madison, Connecticut



Quadrangle Location



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. Executive Summary, pages 1-2 Exhibit B, Site Plans
(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. Executive Summary, pages 1-2 VI. Facility Design, pages 10-11 Exhibit B, Site Plans
(C) A statement of the purpose for which the application is made;	I. Executive Summary, pages 1-2
(D) A statement describing the statutory authority for such application;	I. Executive Summary, pages 1-2
(E) The exact legal name of each person seeking the authorization or relief and the address or principal 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;	II.A. The Applicant, pages 2-3
(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;	II.A. The Applicant, pages 2-3
(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;	IV.A. Statement of Need, pages 4-5 IV.C. Technological Alternatives, pages 6-7 Exhibit H, Radio Frequency Coverage Plots from T-Mobile
(H) A statement of the benefits expected from the proposed facility with as much specific information as is practicable;	IV.B. Statement of Benefits, pages 5-6
(I) A description of the proposed facility at the proposed prime and alternative sites including:	I. Executive Summary, pages 1-2 IV.A. Statement of Need, pages 4-5

Application Guideline	Location in Application
<p>(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;</p> <p>(2) Access roads and utility services;</p> <p>(3) Special design features;</p> <p>(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;</p> <p>(5) A map showing any fixed facilities with which the proposed facility would interact;</p> <p>(6) The coverage signal strength, and integration of the proposed facility with any adjacent fixed facility, to be accompanied by multi-colored propagation maps of red, green and yellow (exact colors may differ depending on computer modeling used, but a legend is required to explain each color used) showing interfaces with any adjacent service areas, including a map scale and north arrows; and</p> <p>(7) For cellular systems, a forecast of when maximum capability would be reached for the proposed facility and for facilities that would be integrated with the proposed facility.</p>	<p>IV.A. Statement of Need, pages 4-5</p> <p>VI. Facility Design, pages 10-11</p> <p>VII.C. MPE Limits/Power Density Analysis, page 14</p> <p>Exhibit B, Site Plans</p> <p>Exhibit O, Power Density Calculations</p> <p>Exhibit H, T-Mobile's Radio Frequency Coverage Plots</p>
<p>(J) A description of the named sites, including :</p> <p>(1) The most recent U.S.G.S. topographic quadrangle map (scale 1 inch = 2000 feet) marked to show the site of the facility and any significant changes within a one mile radius of the site;</p> <p>(2) A map (scale not less than 1 inch =</p>	<p>VI. Facility Design, pages 10-11</p> <p>Exhibit B, Site Plans</p>

Application Guideline	Location in Application
<p>200 feet) of the lot or tract on which the facility is proposed to be located showing the showing the acreage and dimensions of such site, the name and location of adjoining public roads or the nearest public road, and the names of abutting owners and the portions of their lands abutting the site;</p> <p>(3) A site plan (scale not less than 1 inch = 40 feet) showing the proposed facility, fall zones, existing and proposed contour elevations, 100 year flood zones, waterways, and all associated equipment and structures on the site;</p> <p>(4) Where relevant, a terrain profile showing the proposed facility and access road with existing and proposed grades; and</p> <p>(5) The most recent aerial photograph (scale not less than 1 inch = 1000 feet) showing the proposed site, access roads, and all abutting properties.</p>	
<p>(K) A statement explaining mitigation measures for the proposed facility including:</p> <p>(1) Construction techniques designed to specifically minimize adverse effects on natural areas and sensitive areas;</p> <p>(2) Special design features made specifically to avoid or minimize adverse effects on natural areas and sensitive areas;</p> <p>(3) Establishment of vegetation proposed near residential, recreation, and scenic areas; and</p> <p>(4) Methods for preservation of vegetation for wildlife habitat and screening.</p>	<p>IV.C. Technological Alternatives, pages 6-7 (antenna requirements)</p> <p>VI. Facility Design, pages 10-11</p> <p>VII.B. Solicitation of State Agency Comments, page 14</p> <p>Exhibit B, Site Plans</p> <p>Exhibit J, Narrative and Map of Rejected Sites</p> <p>Exhibit K, Inland Wetland Delineation Report and Statement of Compliance</p> <p>Exhibit N, Correspondence with State Agencies</p>
<p>(L) A description of the existing and planned land uses of the named sites and surrounding areas;</p>	<p>VIII.C. Planned and Existing Land Uses, page 17</p>
<p>(M) A description of the scenic, natural, historic, and recreational characteristics of</p>	<p>VII.D. Other Environmental Factors, pages 15-16</p>

Application Guideline	Location in Application
the named sites and surrounding areas including officially designated nearby hiking trails and scenic roads;	Exhibit M, Visual Resource Evaluation Report. Exhibit N, Correspondence with State Agencies Exhibit P, NEPA Report
(N) Sight line graphs to the named sites from visually impacted areas such as residential developments, recreational areas, and historic sites;	Exhibit M, Visual Resource Evaluation Report. Applicants respectfully request a waiver from the sight line graphs requested in the Council's guidelines given the extensive and comprehensive visual analysis, including viewshed maps and photosimulations from such visual receptors as included in Exhibit M.
(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;	Exhibit I
(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;	V. Site Selection and Tower Sharing, pages 7-10 Exhibit B, Site Plans
(Q) A description of the technological alternatives and a statement containing justification for the proposed facility;	IV.C. Technological Alternatives, pages 6-7
(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;	V. Site Selection and Tower Sharing, pages 7-10 Exhibit J, Site Selection Analysis and Rejected Sites
(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	V. Site Selection and Tower Sharing, pages 7-10 Exhibit H, T-Mobile's Radio Frequency Coverage Plots Exhibit J, Site Selection Analysis and Map of Rejected Sites

Application Guideline	Location in Application
facilities, and signal loss due to geographical features compared to the proposed site(s);	
(T) A statement describing hazards to human health, if any, with such supporting data and references to regulatory standards;	VII.C. MPE Limits/Power Density Analysis, page 14 Exhibit O, Power Density Analysis Bulk Filing
(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;	X.A. Overall Estimated Cost, page 20
(V) A schedule showing the proposed program of site acquisition, construction, completion, operation and relocation or removal of existing facilities for the named sites;	X.B. Overall Scheduling, pages 20-21
(W) A statement indicating that, weather permitting, the applicant will raise a balloon with a diameter of at least three feet, at the sites of the various proposed sites of the facility, including all candidates referred to in the application, on the day of the Council's first hearing session on the application or at a time otherwise specified by the Council. For the convenience of the public, this event shall be publicly noticed at least 30 days prior to the hearing on the application as scheduled by the Council; and	VII.A. Visual Assessment, pages 12-14
(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	VII.B. Solicitation of State Agency Comments, page 14 VII.C. MPE Limits/Power Density Analysis, pages 14 VII.D. Other Environmental Factors, pages 15-16 IX. Consultation with Local, State and Federal Officials, pages 18-20

Application Guideline	Location in Application
<p>which reviews were conducted concerning the facility, including a copy of any agency position or decision with respect to the facility; and</p> <p>(2) The most recent conservation, inland wetland, zoning, and plan of development documents of the municipality, including a description of the zoning classification of the site and surrounding areas, and a narrative summary of the consistency of the project with the Town's regulations and plans.</p>	<p>VIII. Consistency with Madison's Land Use Regulations, pages 16-18</p> <p>Exhibit N, State Agency Correspondence</p> <p>Exhibit O, RF Emissions Report (power density)</p> <p>Exhibit P, NEPA Report</p> <p>Exhibit Q, Municipal Consult</p> <p>Exhibit R, FAA Letter</p> <p>Bulk Filing</p>
<p>(Y) Description of proposed site clearing for access road and compound including type of vegetation scheduled for removal and quantity of trees greater than six inches diameter at breast height and involvement with wetlands;</p>	<p>Exhibit B, Site Plan</p>
<p>(Z) Such information as the applicant may consider relevant.</p>	<p>Exhibit L, Residential Structures within 1000 feet of the Facility</p>

CERTIFICATION OF SERVICE

I hereby certify that on this, the 7th of October, 2009, copies of the Application and Attachments were sent by Federal Express to the following:

MADISON TOWN OFFICIALS (*General Statutes § 16-50l(b)(1)*)

Alfred Goldberg, First Selectman
Town Offices
8 Campus Drive
Madison, CT 06443

Planning & Zoning Commission
Ms. Christine Poutot, Chairperson
Town Offices
8 Campus Drive
Madison, CT 06443

Zoning Board of Appeals
Mr. Joel Marcus, Chairman
Town Offices
8 Campus Drive
Madison, CT 06443

Conservation Commission
Mr. George McManus, Chairman
Town Offices
8 Campus Drive
Madison, CT 06443

Inland Wetlands Commission
Mr. C. Thomas Paul, Chairman
Town Offices
8 Campus Drive
Madison, CT 06443

Dolly Bean, Town Clerk
Town Offices
8 Campus Drive
Madison, CT 06443

ATTORNEY GENERAL (General Statutes § 16-50I(b)(2))

Office of the Attorney General
State of Connecticut
Attorney General Richard Blumenthal
55 Elm Street
Hartford, CT 06106

LEGISLATIVE MEMBERS (General Statutes § 16-50I(b)(3))

United States Senator Joseph Lieberman
One Constitution Plaza, 7th Floor
Hartford, CT 06103

United States Senator Christopher Dodd
30 Lewis Street, Suite 101
Hartford, CT 06103

United States Congressman Joe Courtney
Norwich District Headquarters
101 Water Street, Suite 301
Norwich, CT 06360

Connecticut State Senator Edward Meyer
Connecticut Senate Democrats
Legislative Office Building, Room 3300
Hartford, CT 06106-1595

Connecticut State House Representative Deborah W. Heinrich
Legislative Office Building, Room 2704
Hartford, CT 06106-1591

FEDERAL AGENCIES (General Statutes § 16-50I(b)(4))

Federal Communications Commission
Office of the Secretary
9300 East Hampton Drive
Capitol Heights, MD 20743

Federal Aviation Administration
New England Regional Office
12 New England Executive Park
Burlington, MA 01803

STATE AGENCIES (General Statutes § 16-501(b)(5))

South Central Regional Council of Governments
c/o Judy E. Gott, Executive Director
127 Washington Avenue, 4th Floor West
North Haven, CT 06473-1715

State of Connecticut
Department of Environmental Protection
c/o Amey Marrella, Commissioner
79 Elm Street
Hartford, CT 06106-5127

Department of Public Health
c/o J. Robert Galvin, Commissioner
410 Capitol Avenue
Hartford, CT 06134

State of Connecticut
Department of Agriculture
c/o F. Philip Prelli, Commissioner
165 Capitol Avenue
Hartford, CT 06106

State of Connecticut
Department of Public Utility Control
c/o Donald W. Downes, Chairman
Ten Franklin Square
New Britain, CT 06051

State of Connecticut
Office of Policy and Management
c/o Secretary Robert L. Genuario
450 Capitol Avenue
Hartford, CT 06106-1379

State of Connecticut
Department of Economic and Community Development
c/o Joan McDonald, Commissioner
505 Hudson Street
Hartford, CT 06106

State of Connecticut
Department of Transportation
c/o Joseph F. Marie, Commissioner
2800 Berlin Turnpike
Newington, CT 06131-7546

State of Connecticut
Council on Environmental Quality
c/o Karl J. Wagener, Executive Director
79 Elm Street
Hartford, CT 06106

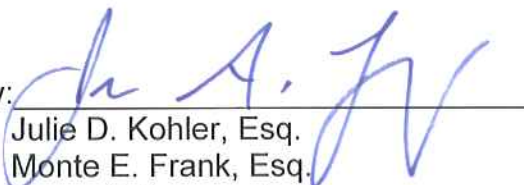
Mr. David Bahman
Division Director and Deputy State Historic Preservation Officer
One Constitution Plaza, Second Floor
Hartford, CT 06103

Connecticut Siting Council
c/o Daniel F. Caruso, Chairman
Ten Franklin Square
New Britain, CT 06051

Respectfully submitted,

T-MOBILE USA, INC.

By:



Julie D. Kohler, Esq.
Monte E. Frank, Esq.
Jesse A. Langer, Esq.
Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604
Tel. (203) 368-0211
Fax (203) 394-9901
jkohler@cohenandwolf.com
mfrank@cohenandwolf.com
jlanger@cohenandwolf.com

AFFIDAVIT OF PUBLICATION

New Haven Register

STATE OF CONNECTICUT

County of New Haven

I, Jane Canoof New Haven

Connecticut, being duly sworn, do depose and say that I am Classified Rep
of the New Haven Register, and that on the following date 8/13/09 8/15/09 to wit:

there was published in the regular daily edition of the said newspaper an advertisement,

and that the newspaper extracts hereto annexed were clipped from each of the above-named issues

Subscribed and sworn to this 19th day of August

Low

PUBLIC NOTICE

Pursuant to General Statutes § 16-50i and § 16-50 l-1 of the Regulations of Connecticut State Agencies, notice is hereby given that Connecticut Communications, Inc., a subsidiary of T-Mobile USA, Inc. d.b.a. T-Mobile ("T-Mobile") will file an application with the Connecticut Siting Council (the "Council"). T-Mobile will file an application for a certificate of environmental compatibility and public need for the construction, maintenance and operation of wireless communication facility at 15 Orchard Park Road, Madison, Connecticut (the "Application"). T-Mobile will file the Application for about August 17, 2009. T-Mobile seeks to construct a new self-supporting monopole tower and antennae, associated equipment and other site improvements necessary for the proposed facility (the "Facility"). The location, height and other features of the Facility are subject to review and change by the Council pursuant to General Statutes § 16-50g et seq.

The Facility will provide wireless service in the Town of Madison, specifically along Route 1, North Road, Mungertown Road, Interstate 95 and the nearby Amtrak Rail Line as well as in adjacent areas. The Application will set forth the need, purpose and benefits of the Facility and will also describe the environmental impact, if any, of the Facility.

T-Mobile will conduct a balloon float at the proposed height of the Facility on the day of the public hearing on the Application as scheduled by the Council. The Council will provide notice of the public hearing date. The Council will conduct that public hearing in Madison. The balloon float will take place between 1:00p.m. and 6:00p.m. or as set by the Council.

Interested parties and residents of the Town of Madison are invited to review the Application during normal business hours at any of the following offices:

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Town Clerk
Madison Town Hall
8 Campus Drive
Madison, CT 06443

or at the offices of T-Mobile's legal counsel:

Julie D. Kohler, Esq.
Monte E. Frank, Esq.
Jesse A. Langer, Esq.
Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604
Tel. (203) 368-0211
Fax (203) 394-9901

All inquiries should be addressed to the Council or to T-Mobile's legal counsel as listed above.

PUBLIC NOTICE

Pursuant to General Statutes § 16-50/ and § 16-50/-1 of the Regulations of Connecticut State Agencies, notice is hereby given that Omnipoint Communications, Inc., a subsidiary of T-Mobile USA, Inc. d.b.a. T-Mobile (“T-Mobile”) will file an application with the Connecticut Siting Council (the “Council”). T-Mobile will file an application for a certificate of environmental compatibility and public need for the construction, maintenance and operation of a wireless communications facility at 15 Orchard Park Road, Madison, Connecticut (the “Application”). T-Mobile will file the Application on or about August 17, 2009. T-Mobile seeks to construct a new 100 foot, self-supporting monopole tower, with antennae, associated equipment and other site improvements necessary for the proposed facility (the “Facility”). The location, height and other features of the Facility are subject to review and change by the Council pursuant to General Statutes § 16-50g *et seq.*

The Facility will provide wireless service in the Town of Madison, specifically along Route 1, Neck Road, Mungertown Road, Interstate 95 and the nearby Amtrak Rail Line as well as in adjacent areas. The Application will set forth the need, purpose and benefits of the Facility and will also describe the environmental impact, if any, of the Facility.

T-Mobile will conduct a balloon float at the proposed height of the Facility on the day of the public hearing on the Application as scheduled by the Council. The Council will provide notice of the public hearing date. The Council will conduct that public hearing in Madison. The balloon float will take place between 1:00p.m. and 6:00p.m. or as set by the Council.

Interested parties and residents of the Town of Madison are invited to review the Application during normal business hours at any of the following offices:

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Town Clerk
Madison Town Hall
8 Campus Drive
Madison, CT 06443

or at the offices of T-Mobile's legal counsel:

Julie D. Kohler, Esq.
Monte E. Frank, Esq.
Jesse A. Langer, Esq.
Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604
Tel. (203) 368-0211
Fax (203) 394-9901

All inquiries should be addressed to the Council or to T-Mobile's legal counsel as listed above.

CERTIFICATION OF SERVICE TO ABUTTING PROPERTY OWNERS

I hereby certify that a copy of the foregoing letter was sent by certified mail, return receipt requested, to each of the following abutting landowners:

**Jeffrey Rowell and
Jennifer Rowell**
17 Orchard Park Road
Madison, CT 06443

**Henry H. Rowell, Sr. and
Marjorie J. Rowell**
39 Orchard Park Road
Madison, CT 06443

7 Orchard Park Road, LLC
7 Orchard Park Road
Madison, CT 06443

Town of Madison
0 Orchard Park Road
Madison, CT 06443

(Mailing Address:)
8 Campus Drive
Madison, CT 06443

Sunshine House Inc.
0 Forth Path Road
Madison, CT 06443

(Mailing Address:)
206 Church Street
New Haven, CT 06510

(Additional Mailing Address:)
Kingsley Goddard, Louise Goddard, Laurie Goddard & Benson Goddard
353 Boston Post Road
Madison, CT 06443

Doreen K. Elia
32 Johnson Lane
Madison, CT 06443

Sandra S. Brown
36 Johnson Lane
Madison, CT 06443

**Richard C. Brown and
Sandra Duhaime**
40 Johnson Lane
Madison, CT 06443

(Mailing Address:)
239 Fort Path Road
Madison, CT 06443

**Moises A. Sein and
Nilva E. Sein**
44 Johnson Lane
Madison, CT 06443

Judith L. Robinson
48 Johnson Lane
Madison, CT 06443

**Ryan McGetrick and
Katherine F. McGetrick**
301 Boston Post Road
Madison, CT 06443

(Mailing Address:)
10 Pearl Street
Clinton, CT 06413

1 Orchard Park Road, LLC
1 Orchard Park Road
Madison, CT 06443

(Mailing Address:)
7 Orchard Park Road
Madison, CT 06443

Rebecca L. Lyon
1 Esterly Road
Madison, CT 06443

Gerd Nelson
2 Esterly Road
Madison, CT 06443

Darlene Cofrancesco
3 Esterly Road
Madison, CT 06443

Lisa P. Rollins
4 Esterly Road
Madison, CT 06443

(Mailing Address:)
294 Boston Post Road
Madison, CT 06443

Barbara Tinder
5 Esterly Road
Madison, CT 06443

Helen Pasiuk
6 Esterly Road
Madison, CT 06443

(Mailing Address:)
490 Three Corners Road
Guilford, CT 06437

**John J. McLaughlin and
Doreen McLaughlin**
7 Esterly Road
Madison, CT 06443

Lisa M. Tenbrunsel
8 Esterly Road
Madison, CT 06443

Alice Gerber
9 Esterly Road
Madison, CT 06443

Barbara Weiss
10 Esterly Road
Madison, CT 06443

**Thomas P. Duffy and
Margaret L. Duffy**
11 Esterly Road
Madison, CT 06443

Scott M. Hinding
12 Esterly Road
Madison, CT 06443

Bertina P. Case
13 Esterly Road
Madison, CT 06443

Esterly 14, LLC
14 Esterly Road
Madison, CT 06443

(Mailing Address:)
21 Stonewall Lane
Madison, CT 06443

Carol C. Kennedy
15 Esterly Road
Madison, CT 06443

Patricia A. Howard
16 Esterly Road
Madison, CT 06443

**William E. Ennis and
Isabell Ennis, Trustees**
17 Esterly Road
Madison, CT 06443

Frank N. Decapua
18 Esterly Road
Madison, CT 06443

Linda W. Sims
19 Esterly Road
Madison, CT 06443

**Francis A. Rubino and
Margaret B. Rubino**
20 Esterly Road
Madison, CT 06443

(Mailing Address:)
P.O. Box 1059
Madison, CT 06443

**Michael J. Davino and
Carole Young**
21 Esterly Road
Madison, CT 06443

**Esterly Farms Family Trust
Arlene Futterman, Trustee**
22 Esterly Road
Madison, CT 06443

Arlene C. Ryan
23 Esterly Road
Madison, CT 06443

Esterly Farms Homeowners Association, Inc.
24 Esterly Road
Madison, CT 06443

(Mailing Address:)
c/o Mitchell Realty
17 Water Street
Guilford, CT 06437

**David A. Ferrante and
Pamela H. Ferrante**
25 Esterly Road
Madison, CT 06443

Louise A. Goddard
353 Boston Post Road
Madison, CT 06443

(Mailing Address:)
c/o Kingsley Goddard
353 Boston Post Road
Madison, CT 06443

Esterly Farms Homeowners Association, Inc.
Esterly Road
Madison, CT 06443

(Mailing Address:)
c/o Mitchell Realty
17 Water Street
Guilford, CT 06437

National Railroad Passenger Corp.
400 North Capital Street, N.W.
Washington, D.C. 20001

(Additional Mailing Address:)
30th Street Station
4 South
Box 25
Philadelphia, PA 19104

New Haven & Shoreline Railway
195 Church Street
New Haven, CT 06510

Dated: October 7, 2009

By: 

Attorneys for the Applicant
Julie D. Kohler, Esq.

jkohler@cohenandwolf.com

Monte E. Frank, Esq.

mfrank@cohenandwolf.com

Jesse A. Langer, Esq.

jlanger@cohenandwolf.com

COHEN AND WOLF, P.C.

1115 Broad Street

Bridgeport, CT 06604

Tel. (203) 368-0211

Fax (203) 394-9901

MONTE E. FRANK

Please Reply To Bridgeport
E-Mail: mfrank@cohenandwolf.com

August 11, 2009

VIA CERTIFIED MAIL

Re: Proposed Cellular Tower (15 Orchard Park Road, Madison)

To Whom It May Concern:

This firm represents Omnipoint Communications, Inc., a subsidiary of T-Mobile USA, Inc. d.b.a. T-Mobile ("T-Mobile"). T-Mobile intends to file an application for a certificate for environmental compatibility and public need (the "Application") with the Connecticut Siting Council (the "Council") regarding certain real property commonly known as 15 Orchard Park Road, Madison (the "Property"). T-Mobile seeks to construct, maintain and operate a telecommunications facility on the Property.

This letter serves as notice to you as an abutting property owner pursuant to General Statutes § 16-50i. T-Mobile will file the Application on or about August 17, 2009, and will request that the Council place the Application on some future agenda.

Please find enclosed a copy of the legal notice that will run in the "New Haven Register" on Thursday, August 13, 2009 and Saturday, August 15, 2009.

If you have any questions or concerns regarding this matter, please contact our office or the Connecticut Siting Council. The Council's address is included in the enclosed copy of the legal notice.

Very truly yours,



Monte E. Frank

Enclosure

PUBLIC NOTICE

Pursuant to General Statutes § 16-50f and § 16-50f-1 of the Regulations of Connecticut State Agencies, notice is hereby given that Omnipoint Communications, Inc., a subsidiary of T-Mobile USA, Inc. d.b.a. T-Mobile ("T-Mobile") will file an application with the Connecticut Siting Council (the "Council"). T-Mobile will file an application for a certificate of environmental compatibility and public need for the construction, maintenance and operation of a wireless communications facility at 15 Orchard Park Road, Madison, Connecticut (the "Application"). T-Mobile will file the Application on or about August 17, 2009. T-Mobile seeks to construct a new 100 foot, self-supporting monopole tower, with antennae, associated equipment and other site improvements necessary for the proposed facility (the "Facility"). The location, height and other features of the Facility are subject to review and change by the Council pursuant to General Statutes § 16-50g *et seq.*

The Facility will provide wireless service in the Town of Madison, specifically along Route 1, Neck Road, Mungertown Road, Interstate 95 and the nearby Amtrak Rail Line as well as in adjacent areas. The Application will set forth the need, purpose and benefits of the Facility and will also describe the environmental impact, if any, of the Facility.

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Interested parties and residents of the Town of Madison are invited to review the Application during normal business hours at any of the following offices:

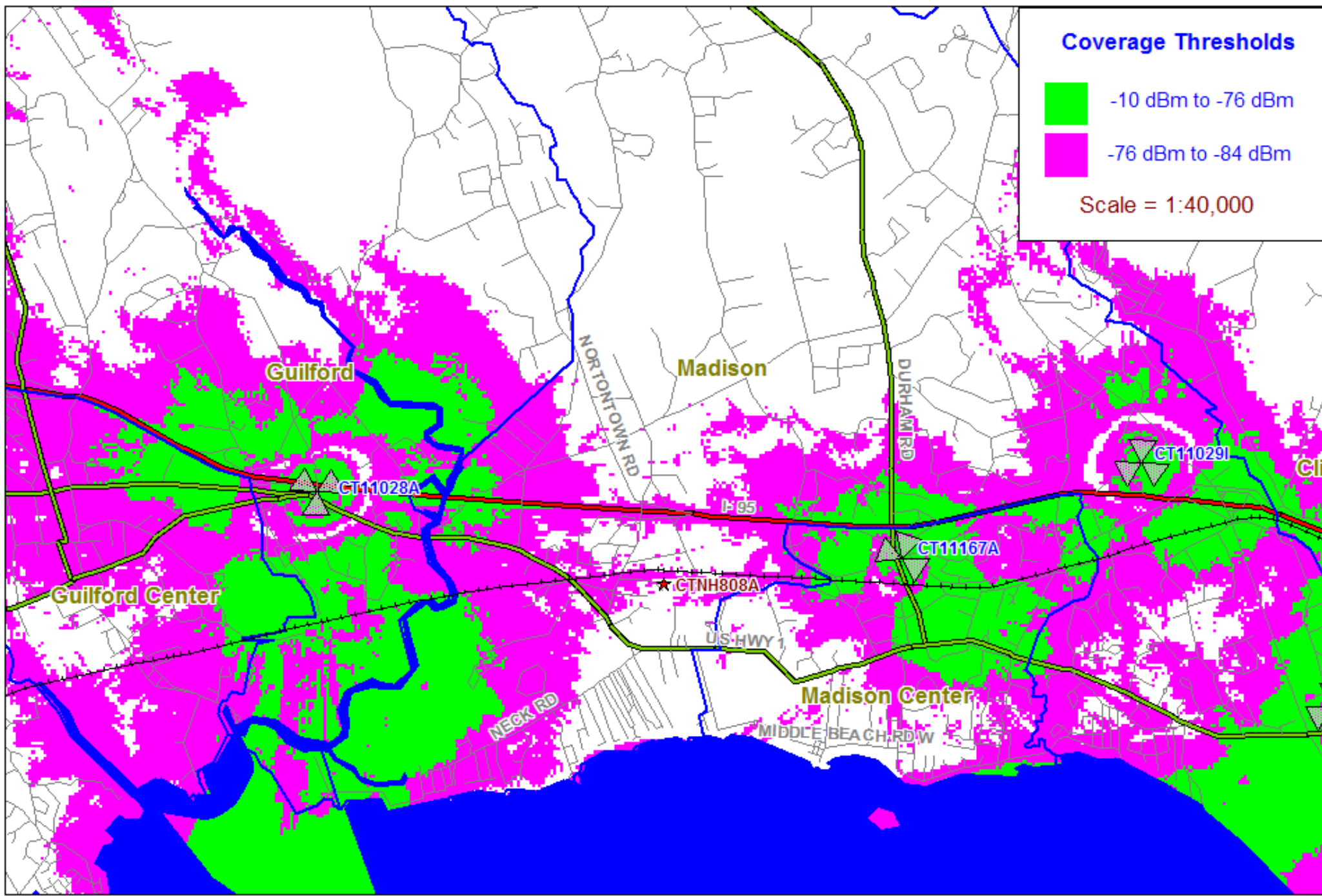
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Town Clerk
Madison Town Hall
8 Campus Drive
Madison, CT 06443

or at the offices of T-Mobile's legal counsel:

Julie D. Kohler, Esq.
Monte E. Frank, Esq.
Jesse A. Langer, Esq.
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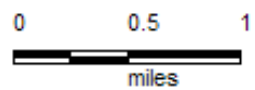
Coverage Thresholds

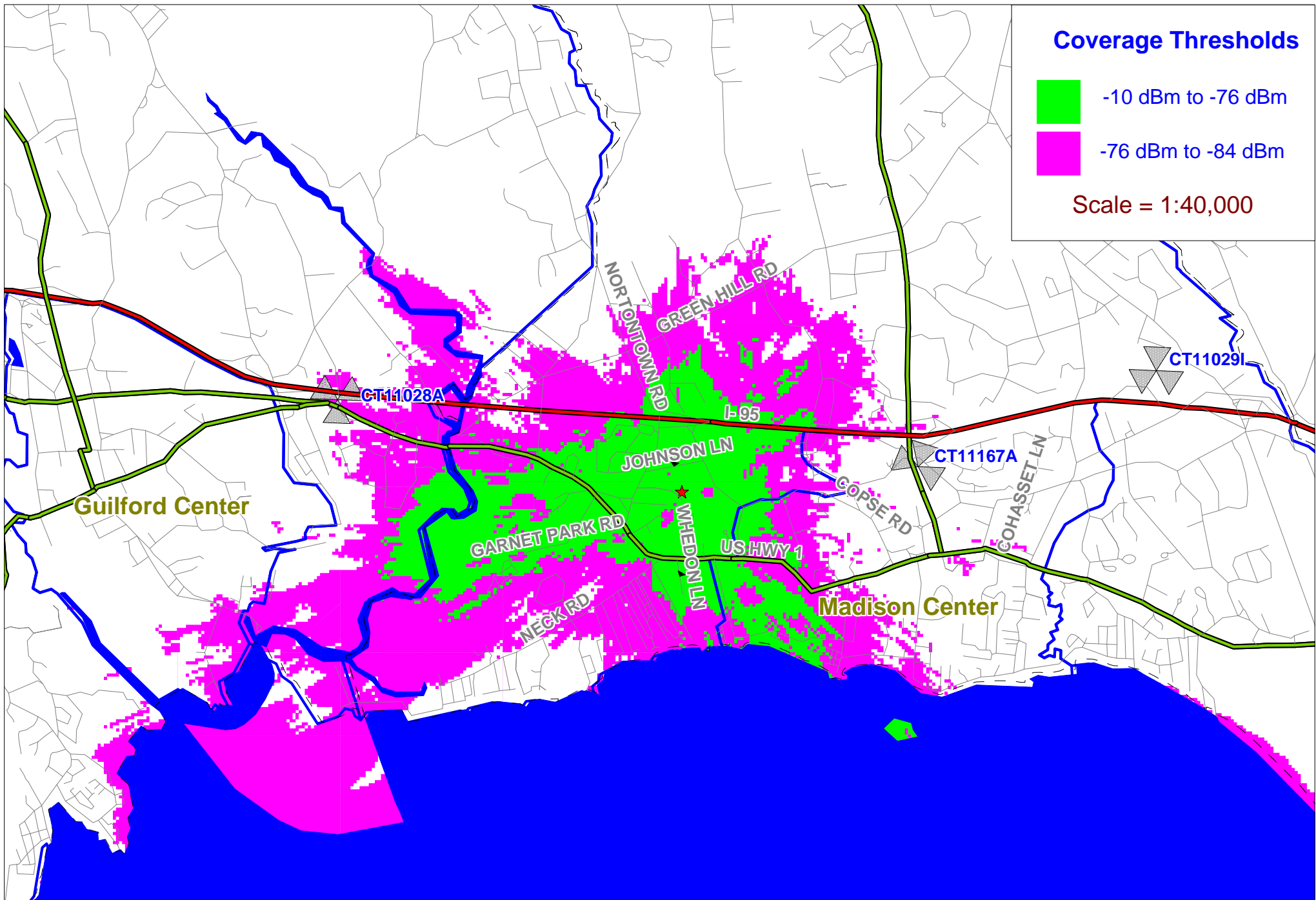
- 10 dBm to -76 dBm
- 76 dBm to -84 dBm

Scale = 1:40,000

- T-Mobile -

Existing T-Mobile On Air Coverage





Coverage Thresholds

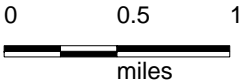
- 10 dBm to -76 dBm
- 76 dBm to -84 dBm

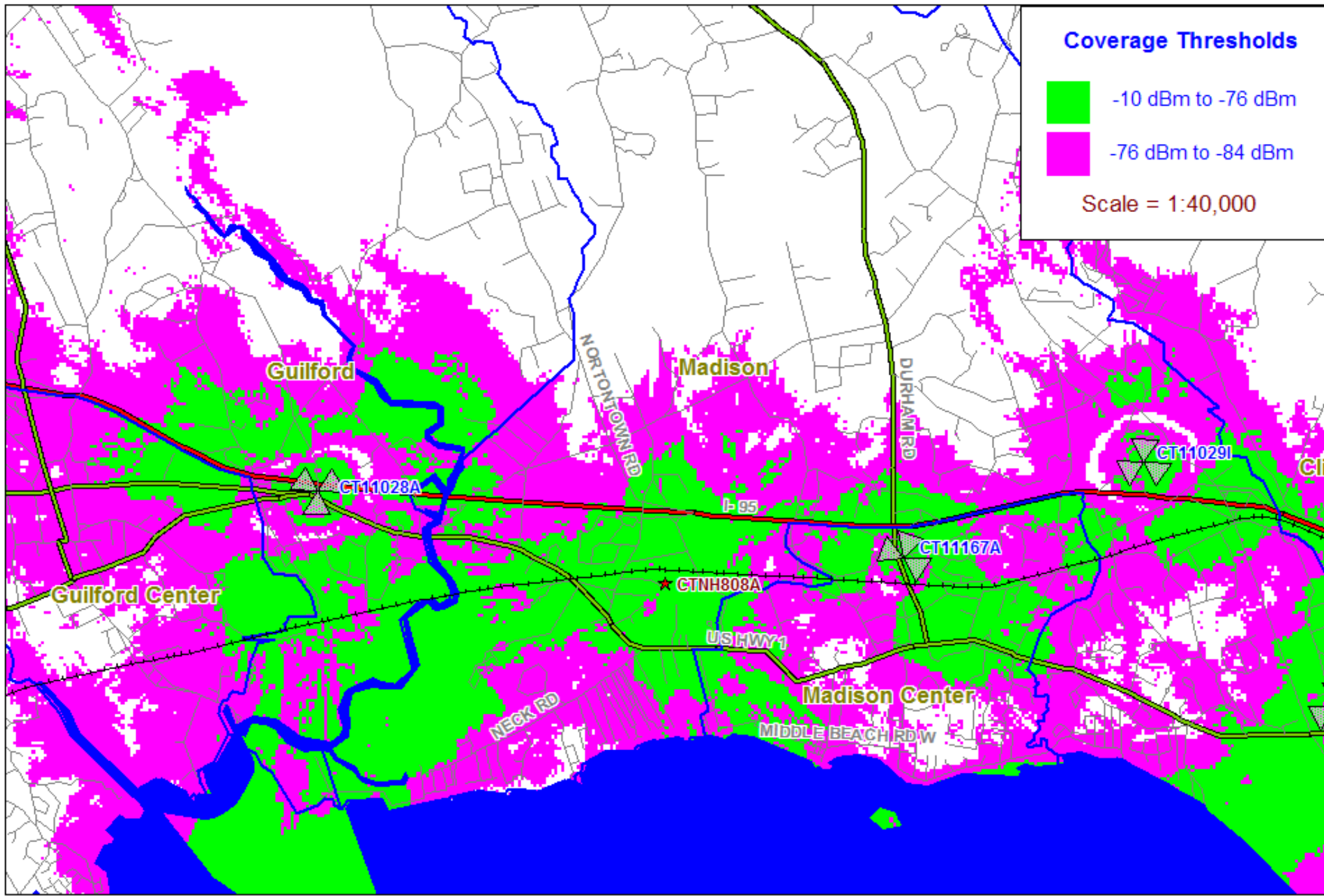
Scale = 1:40,000



-T-Mobile--

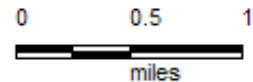
T-Mobile Proposed CTNH808A Facility @ 100'





- T-Mobile -

Existing T-Mobile On Air Coverage
With CTNH808A @ 100' AGL

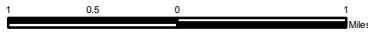




Source: 2007 and 2009 Connecticut Siting Council database of existing telecommunications towers

Legend

- Proposed Facility
- ★ Existing Towers
- ⬜ 4-Mile Radius
- ⬜ Town Line
- ⬜ Open Water
- Rail Line
- Interstate
- Major Roads
- Local Streets



Vanasse Hangen Brustlin, Inc.

Existing Towers Within Four Miles of Proposed T-Mobile Wireless Telecommunications Facility
CTNH808A
15 Orchard Park Road
Madison, Connecticut



Existing Telecommunications Towers Within Four Miles of Proposed T-Mobile Facility

TOWN	ADDRESS	LATITUDE	LONGITUDE	USER	OWNER	TYPE	ANT. HEIGHT	TOWER HEIGHT
Guilford	119 Tanner Marsh Rd	41-17-19	72-39-31.7	SNET Cellular	SNET Cellular	m	150.00	150.00
Guilford	119 Tanner Marsh Rd	41-17-19	72-39-31.7	SNET/SCLP	SNET/SCLP	m	158.27	150.00
Guilford	119 Tanner Marsh Rd	41-17-19	72-39-31.7	SNET/SCLP/WMNR	SNET/SCLP	m	110.00	150.00
Guilford	119 Tanner Marsh Rd	41-17-19	72-39-31.7	SNET/SCLP	SNET/SCLP	m	0.00	150.00
Guilford	119 Tanner Marsh Rd	41-17-19	72-39-31.7	SCLP/Omni	SNET Cellular	m	162.00	150.00
Guilford	119 Tanner Marsh Rd	41-17-19	72-39-31.7	Cingular	SNET Cellular	m	152.00	150.00
Guilford	Tanner Marsh Rd. & Rt. 1	41-17-20	72-39-32	Metro Media Paging	Comm. TV (aka Herit	ssl	60.00	94.00
Guilford	Tanner Marsh Rd. & Rt. 1	41-17-20	72-39-32	Comm. TV (aka Herita	Comm. TV (aka Herit	ssl	0.00	94.00
Guilford	10 Tanner Marsh Rd	41-17-20	72-39-32	TCI/Sprint	TCI of South Centra	ssl	0.00	90.00
Madison	135 New Rd	41-17-36.	72-34-42.15	Sprint	CL&P	gl	125.00	180.00
Madison	135 New Rd	41-17-36.	72-34-42.15	Omni	CL&P	gl	162.00	180.00
Madison	135 New Rd	41-17-36.	72-34-42.15	Metricom	CL&P	gl	70.00	180.00
Madison	135 New Rd	41-17-36.	72-34-42.15	T-Mobile	CL&P	gl	162.00	180.00
Madison	135 New Rd	41-17-36.	72-34-42.15	AT&T	CL&P	gl	77.50	180.00
Madison	8 Old Route 79	41-17-09	72-36-07	AT&T	Spectrasite	m	110.00	150.00
Madison	8 Old Route 79	41-17-09	72-36-07	BAM	Spectrasite	m	140.00	150.00
Madison	8 Old Route 79	41-17-09	72-36-07	SCLP	Spectrasite	m	130.00	150.00
Madison	8 Old Route 79	41-17-09	72-36-07	VoiceStream	Spectrasite	m	120.00	150.00
Madison	8 Old Route 79	41-17-09	72-36-07	SNET/Cingular	Spectrasite	m	130.00	150.00
Madison	8 Old Route 79	41-17-09	72-36-07	T-Mobile	Spectrasite	m	120.00	150.00
Madison	8 Old Route 79	41-17-09	72-36-07	Sprint	Spectrasite	m	96.00	150.00
Madison	8 Old Route 79/8 Meetinghou	41-17-09	72-36-07	Verizon	Spectrasite	m	140.00	150.00
Madison	8 Old Route 79/8 Meetinghou	41-17-09	72-36-07	Cingular	Spectrasite	m	132.00	150.00
North Branfor	39 Ciro Road	41-19-52	72-36-22	AT&T	SBA	m	147.00	170.00
North Branfor	39 Ciro Road	41-19-52	72-36-22	T-Mobile	SBA	m	167.00	170.00
North Branfor	39 Ciro Road	41-19-52	72-36-22	Nextel	SBA	m	157.00	170.00

Site Search Process and Selection

Section 16-50j-74(j) of the Regulations of Connecticut State Agencies requires the applicant to submit a statement that describes “the narrowing process by which other possible sites were considered and eliminated.” In accordance with this requirement, the description of the general site search process, the identification of the target search area and the alternative locations considered for development of the proposed Facility are provided below.

As an FCC licensed wireless carrier, T-Mobile decides to seek out a site in an area based upon the needs of its wireless infrastructure and extensive research of the subject area. T-Mobile chooses a target area central to the area in which it has identified coverage and/or capacity needs. The area targeted is the geographical location where the installation of a site would, based on general radio frequency engineering and system design standards, likely address the identified problem (“search ring”). T-Mobile’s goal is to locate sites that will remedy coverage or capacity issues, while resulting in the least environmental impact. In this case, T-Mobile has searched for a site in this area and has identified the property known as 15 Orchard Park Road (the “Property”) as the best possible location for the proposed wireless facility (the “Facility”).

T-Mobile is sensitive to State and local desires to minimize the construction of new towers, and it does not pursue development of a new facility where an acceptable existing structure can be found. In general, T-Mobile’s site acquisition personnel first study the area in and near the search ring to determine whether any suitable structure exists. If T-Mobile cannot find a structure with appropriate height and structural capabilities, it turns to industrial/commercial areas or individual parcels that have appropriate environmental and land use characteristics. The list of potential locations is limited by the willingness of property owners to make their property available. Radio frequency engineers study potentially suitable and available locations to determine whether the locations will meet the technical requirements for a site in the area. Analysis of potential environmental effects and benefits may further narrow the alternatives. The weight given relevant factors varies for each search, depending on the nature of the area and the availability of potential sites.

In the area of Madison, which is the subject of this site search, there are no existing towers, transmission line structures or other suitable structures. Moreover, any existing towers are too far from the target area to provide coverage specifically to the target area. The nearest towers and suitable structures are already in use by T-Mobile. Finally, the Property abuts the Amtrak rail line, which is a component of the coverage goal. See also the Narrative at pp. 7-10.

The locations considered and the reasons locations other than the Property were not selected are outlined below:

1. USI Company, 98 Fort Path Road. This site is approximately .5 miles to the east of the target area. The site hosts a three story commercial office building, which abuts the Amtrak rail line. The ground elevation is approximately 12 feet lower than the proposed site at the Property. T-Mobile radio frequency engineers reviewed this property and determined that the rooftop is too low to afford proper coverage.

2. 170 Fort Path Road. This site is approximately .25 miles to the east of the target area. There is a 20 foot commercial building on the site. T-Mobile radio frequency engineers reviewed site and determined that the rooftop was too low to afford adequate coverage. This site is also owned by 15 Orchard Park RD LLC. The owner, however, does not want a tower on this parcel.

3. 150 Mungertown Road. This site also hosts a 20 foot commercial building. T-Mobile radio frequency engineers reviewed this site and determined that the rooftop was too low to afford adequate coverage. This site does not have adequate screening from existing trees. This site is also owned by 15 Orchard Park RD LLC. The owner, however, does not want a tower on this parcel.

At the suggestion of the Madison Planning and Zoning Commission, the following three properties were evaluated, and rejected:

4. Property owned by the Sunshine House on Fort Path Road. T-Mobile engaged in discussions with Amy Kuhner, the Executive Director of the Sunshine House, and provided requested information. Ms. Kuhner reported back that she circulated the information to the Sunshine House Board and it decided not to pursue a lease with T-Mobile for a tower on its property.

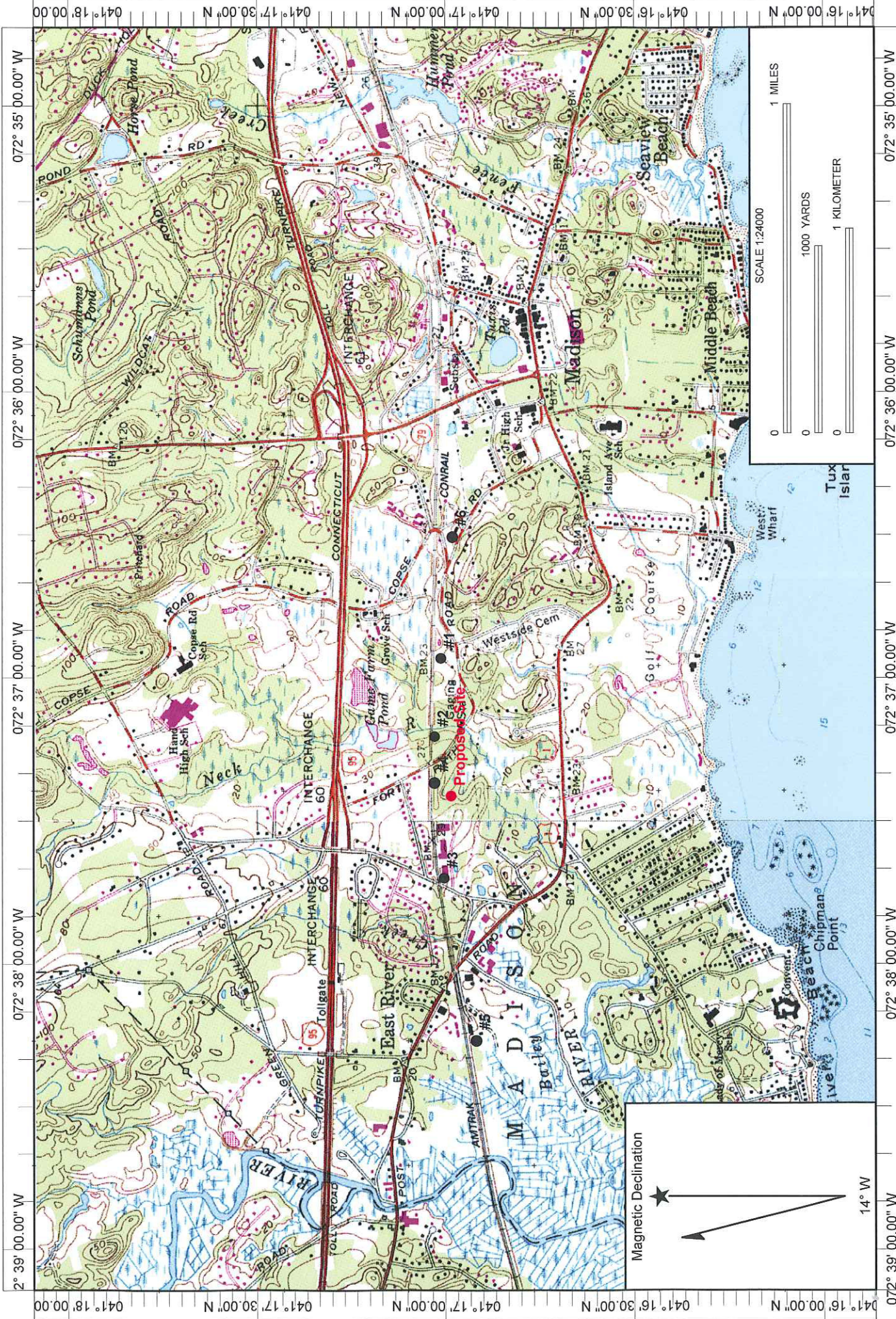
5. Town owned property on Nathan's Lane. T-Mobile's RF engineer determined that this candidate is located too far to the west of the coverage objective for the proposed Facility. The coverage from this candidate provides approximately 50 percent redundant coverage with T-Mobile's on air site CT11028A, located at 119 Tanner Marsh Road in Guilford. As such, even with a site at Nathan's Lane, the proposed Facility would still be needed to satisfy T-Mobile's coverage objectives in this area. Accordingly, this suggested site is untenable.

6. Bus Fueling Yard (Off Fort Path Road). This location is adjacent to T-Mobile's on air site CT11167A, a monopole located at 8 Old Route 79 in Madison. T-Mobile is located at 120 feet on this 148 foot tower. The majority of coverage potential from this candidate is redundant coverage with T-Mobile's

existing on air coverage footprint and would not be considered an appropriate candidate for the ring at issue with the proposed facility

Consequently, T-Mobile has determined that the Property, owned by 15 Orchard Park RD LLC, is superior to other properties in the area. The Property is zoned as light industrial (LI) and is 3.51 acres. Access to the Property is across an existing paved parking lot and driveway. It is not necessary to remove any trees for the proposed Facility. The Property is set back approximately 1,500 feet from Mungertown Road with excellent screening from mature trees. The Property is currently used as a storage facility and garage for truck trailers. It hosts multiple storage facilities and office buildings, the latter of which are approximately twenty feet tall.

The proposed Facility would enhance wireless service availability to existing and future T-Mobile wireless device users. Enhanced coverage provided by the Facility will allow T-Mobile subscribers to use voice and data services reliably as well as to connect to Emergency 911 services. The intended coverage area of the Facility includes Route 1, Neck Road, Mungertown Road and Interstate 95 in Madison as well as the Amtrak rail line that passes through this area. Additionally, the Facility would provide capacity relief for the current sites that presently cover this area from outer lying areas.



Name: CLINTON
 Date: 10/1/2009
 Scale: 1 inch equals 2000 feet

Location: 041° 16' 58.68" N 072° 36' 56.09" W NAD 27
 Caption: Amtrak Madison
 CTNH808

Copyright (C) 2002, Maptech, Inc.



WETLANDS DELINEATION REPORT

Vanasse Hangen Brustlin, Inc.

Date: May 15, 2009
Project No.: 40505.10
Prepared For: Mr. Scott Chasse
All-Points Technology Corp., P.C.
3 Saddlebrook Drive
Killingworth, CT 06419
Site Location: T-Mobile Site No. CTNH808A – Amtrak Madison
15 Orchard Park Road
Madison, Connecticut
Site Map: VHB Wetland Sketch on APT Compound Plan, 04/22/09
Inspection Date: April 22, 2009
Field Conditions: Weather: rain, low 50's General Soil Moisture: moist
Snow Depth: none Frost Depth: none

Type of Wetlands Identified and Delineated:

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

Local Inland Wetland Regulated Upland Review Areas: Wetlands: 100 feet Watercourses: 100 feet

Field Numbering Sequence of Wetlands Boundary: WF 1 – 14; WF 20 - 28
[as depicted on attached wetland sketch map]

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

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

The wetlands delineation was conducted and reviewed by:

Dean Gustafson
Professional Soil Scientist

Enclosures

Attachments



-
- Wetland Delineation Field Form
 - Soil Map
 - Soil Report
 - Wetland Delineation Sketch Map

Wetland Delineation Field Form

Project Address:	15 Orchard Park Road Madison, CT	Project Number:	40505.10
Inspection Date:	4/22/09	Inspector:	Dean Gustafson, PSS
Wetland I.D.:	Wetland 1		

Field Conditions:	Weather: rain, low 50's	Snow Depth: none
	General Soil Moisture: moist	Frost Depth: none
Type of Wetland Delineation:	CT Inland <input checked="" type="checkbox"/>	
	CT Tidal <input type="checkbox"/>	
	ACOE <input type="checkbox"/>	
Field Numbering Sequence: WF 1 to 14; WF 20 to 28		

WETLAND HYDROLOGY:

NONTIDAL

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

TIDAL

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

WETLAND TYPE:

SYSTEM:

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

CLASS:

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

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Comments: interior intermittent watercourse drains to the southeast into the Neck River		

SPECIAL AQUATIC HABITAT:

Vernal Pool <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	
Comments: potential vernal pool near wetland flag WF 13		

Wetland Delineation Field Form (Cont.)

MAPPED SOILS:

SOIL SERIES (Map Unit Symbol)	WET	UP	NRCS MAPPED	FIELD IDD/ CONFIRMED
Charlton-Chatfield complex (73)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Catden and Freetown soils (18)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ridgebury, Leicester, and Whitman soils, extremely stony (3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DOMINANT PLANTS:

red maple (<i>Acer rubrum</i>)	highbush blueberry (<i>Vaccinium corymbosum</i>)
pepperbush (<i>Clethra alnifolia</i>)	skunk cabbage (<i>Symplocarpus foetidus</i>)
	spicebush (<i>Lindera benzoin</i>)

WETLAND NARRATIVE:

The proposed T-Mobile Facility is located just east of a self storage facility at 15 Orchard Park Road in a cleared area near a forested wetland system. The cleared area slopes down to the north and east into a mature upland forest then a forested wetland system that drains to the east through an interior intermittent watercourse. The proposed development appears to be located within 100 feet of this nearby wetland system. The wetland area is forested and dominated by species including red maple (*Acer rubrum*), spicebush (*Lindera benzoin*), highbush blueberry (*Vaccinium corymbosum*), skunk cabbage (*Symplocarpus foetidus*), and pepperbush (*Clethra alnifolia*). The two flagged wetland areas are part of the same forested wetland system that drains to the Neck River.

Soil Map—State of Connecticut
(15 Orchard Park Road, Madison, CT)




Map Scale: 1:3,640 if printed on A size (8.5" x 11") sheet.



MAP LEGEND






















Area of Interest (AOI)




 Area of Interest (AOI)

Soils




 Soil Map Units

Special Point Features

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

-  Very Stony Spot
-  Wet Spot
-  Other



Special Line Features

-  Gully
-  Short Steep Slope
-  Other






Political Features

-  Cities

Water Features

-  Oceans
-  Streams and Canals

Transportation

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

MAP INFORMATION

Map Scale: 1:3,640 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 6, Mar 22, 2007

Date(s) aerial images were photographed: 8/13/2006; 8/14/2006

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

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
18	Catden and Freetown soils	4.4	13.1%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	1.0	2.9%
32A	Haven and Enfield soils, 0 to 3 percent slopes	3.3	9.9%
32B	Haven and Enfield soils, 3 to 8 percent slopes	0.1	0.2%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	1.6	4.8%
60C	Canton and Charlton soils, 8 to 15 percent slopes	0.2	0.7%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	6.6	19.6%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	3.9	11.7%
232B	Haven-Urban land complex, 0 to 8 percent slopes	0.0	0.1%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	1.5	4.4%
306	Udorhents-Urban land complex	10.8	32.5%
Totals for Area of Interest		33.4	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: 18—Catden and Freetown soils

Catden And Freetown Soils 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 52 degrees F. (7 to 11 degrees C.) This map unit is 40 percent Catden soils, 40 percent Freetown soils. 20 percent minor components.

Catden soils This component occurs on depression landforms. The parent material consists of woody and herbaceous organic material. The slope ranges from 0 to 2 percent and the runoff class is negligible. The depth to a restrictive feature is greater than 60 inches. The drainage class is very poorly drained. The available water capacity is about 24.4 inches (very high). The weighted average shrink-swell potential in 10 to 60 inches is about 10.0 LEP (very high). The flooding frequency for this component is rare. The ponding hazard is frequent. The minimum depth to a seasonal water table, when present, is about 0 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 5w Typical Profile: 0 to 2 inches; muck 2 to 18 inches; muck 18 to 47 inches; muck 47 to 49 inches; muck 49 to 61 inches; muck Freetown soils This component occurs on depression landforms. The parent material consists of woody and herbaceous organic material. The slope ranges from 0 to 2 percent and the runoff class is negligible. The depth to a restrictive feature is greater than 60 inches. The drainage class is very poorly drained. The available water capacity is about 33.1 inches (very high). The weighted average shrink-swell potential in 10 to 60 inches is about 10.0 LEP (very high). The flooding frequency for this component is rare. The ponding hazard is frequent. The minimum depth to a seasonal water table, when present, is about 0 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 5w Typical Profile: 0 to 4 inches; peat 4 to 10 inches; peat 10 to 22 inches; muck 22 to 35 inches; muck 35 to 41 inches; muck 41 to 55 inches; muck 55 to 71 inches; muck 71 to 91 inches; muck

Map Unit: 21A—Ninigret and Tisbury soils, 0 to 5 percent slopes

Ninigret And Tisbury Soils, 0 To 5 Percent Slopes This map unit is in the Connecticut Valley Major Land Resource Area. The mean annual precipitation is 35 to 50 inches (889 to 1270 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 60 percent Ninigret soils, 25 percent Tisbury soils. 15 percent minor components. Ninigret soils This component occurs on valley and outwash plain terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits derived from schist, granite, and gneiss. The slope ranges from 0 to 5 percent and the runoff class is very low. The depth to a restrictive feature is greater than 60 inches. The drainage class is moderately well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.2 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 about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 2w Typical Profile: 0 to 8 inches; fine sandy loam 8 to 16 inches; fine sandy loam 16 to 26 inches; fine sandy loam 26 to 65 inches; stratified very gravelly coarse sand to loamy fine sand Tisbury soils This component occurs on valley and outwash plain terrace landforms. The parent material consists of eolian deposits over sand and gravel. 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 moderately well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.6 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 about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 2w Typical Profile: 0 to 8 inches; silt loam 8 to 18 inches; silt loam 18 to 26 inches; silt loam 26 to 60 inches; stratified very gravelly sand to loamy sand

Map Unit: 32A—Haven and Enfield soils, 0 to 3 percent slopes

Haven And Enfield Soils, 0 To 3 Percent Slopes This map unit is in the Connecticut Valley New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 45 to 55 degrees F. (7 to 13 degrees C.) This map unit is 60 percent Haven soils, 25 percent Enfield soils, 15 percent minor components. Haven soils This component occurs on valley outwash plain and terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits derived from schist, granite, and gneiss. 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 well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 5.1 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 1 Typical Profile: 0 to 7 inches; silt loam 7 to 14 inches; silt loam 14 to 20 inches; silt loam 20 to 24 inches; fine sandy loam 24 to 60 inches; stratified very gravelly sand to gravelly fine sand Enfield soils This component occurs on valley outwash plain and terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits derived from schist, granite, and gneiss. 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 well drained. The slowest permeability within 60 inches is about 0.57 in/hr (moderate), with about 6.8 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 1 Typical Profile: 0 to 3 inches; slightly decomposed plant material 3 to 4 inches; moderately decomposed plant material 4 to 12 inches; silt loam 12 to 20 inches; silt loam 20 to 26 inches; silt loam 26 to 30 inches; silt loam 30 to 37 inches; stratified coarse sand to very gravelly loamy sand 37 to 65 inches; stratified very gravelly loamy sand to coarse sand

Map Unit: 32B—Haven and Enfield soils, 3 to 8 percent slopes

Haven And Enfield Soils, 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 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 45 to 55 degrees F. (7 to 13 degrees C.) This map unit is 60 percent Haven soils, 25 percent Enfield soils. 15 percent minor components. Haven soils This component occurs on valley outwash plain and terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits derived from schist, granite, and gneiss. 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 5.1 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 2e Typical Profile: 0 to 7 inches; silt loam 7 to 14 inches; silt loam 14 to 20 inches; silt loam 20 to 24 inches; fine sandy loam 24 to 60 inches; stratified very gravelly sand to gravelly fine sand Enfield soils This component occurs on valley outwash plain and terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits derived from schist, granite, and gneiss. The slope ranges from 3 to 8 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 6.8 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 2e Typical Profile: 0 to 3 inches; slightly decomposed plant material 3 to 4 inches; moderately decomposed plant material 4 to 12 inches; silt loam 8 to 17 inches; silt loam 12 to 20 inches; silt loam 20 to 26 inches; silt loam 26 to 30 inches; silt loam 30 to 37 inches; stratified coarse sand to very gravelly loamy sand 37 to 65 inches; stratified very gravelly loamy sand to coarse sand

Map Unit: 38C—Hinckley gravelly sandy loam, 3 to 15 percent slopes

Hinckley Gravelly Sandy Loam, 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 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 45 to 55 degrees F. (7 to 13 degrees C.) This map unit is 80 percent Hinckley soils. 20 percent minor components. Hinckley soils This component occurs on valley outwash plain, terrace, kame, and esker landforms. The parent material consists of sandy and gravelly glaciofluvial deposits derived from schist, granite, and gneiss. The slope ranges from 3 to 15 percent and the runoff class is low. The depth to a restrictive feature is greater than 60 inches. The drainage class is excessively drained. The slowest permeability within 60 inches is about 5.95 in/hr (rapid), with about 2.3 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 4e Typical Profile: 0 to 8 inches; gravelly sandy loam 8 to 20 inches; very gravelly loamy sand 20 to 27 inches; very gravelly sand 27 to 42 inches; stratified cobbly coarse sand to extremely gravelly sand 42 to 60 inches; stratified cobbly coarse sand to extremely gravelly sand

Map Unit: 60C—Canton and Charlton soils, 8 to 15 percent slopes

Canton And Charlton Soils, 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 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 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 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 3e 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 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 6.4 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 3e 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: 73C—Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky

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

Map Unit: 73E—Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky

Charlton-Chatfield Complex, 15 To 45 Percent Slopes, Very Rocky This map unit is in the New England and Eastern New York Upland, Southern Part Major Land Resource Area. The mean annual precipitation is 37 to 49 inches (940 to 1244 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 45 percent Charlton soils, 30 percent Chatfield soils. 25 percent minor components. Charlton soils This component occurs on upland hill landforms. The parent material consists of melt-out till derived from granite, schist, and gneiss. The slope ranges from 15 to 45 percent and the runoff class is high. 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 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

Map Unit: 232B—Haven-Urban land complex, 0 to 8 percent slopes

Haven-Urban Land Complex, 0 To 8 Percent Slopes This map unit is in the Connecticut Valley Major Land Resource Area. The mean annual precipitation is 40 to 44 inches (1016 to 1118 millimeters) and the average annual air temperature is 48 to 55 degrees F. (9 to 13 degrees C.) This map unit is 40 percent Haven soils, 35 percent Urban Land. 25 percent minor components. Haven soils This component occurs on valley outwash plain and terrace landforms. The parent material consists of eolian deposits over glaciofluvial deposits derived from granite, gneiss, and schist. The slope ranges from 0 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 5.1 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 2e Typical Profile: 0 to 7 inches; silt loam 7 to 14 inches; silt loam 14 to 20 inches; silt loam 20 to 24 inches; fine sandy loam 24 to 60 inches; stratified very gravelly sand to gravelly fine sand Urban Land Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from (not populated) and the runoff class is very high. The Nonirrigated Land Capability Class is 8

Map Unit: 238C—Hinckley-Urban land complex, 3 to 15 percent slopes

Hinckley-Urban Land 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 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 45 to 55 degrees F. (7 to 13 degrees C.) This map unit is 40 percent Hinckley soils, 35 percent Urban Land. 25 percent minor components. Hinckley soils This component occurs on valley outwash plain, esker, kame, and terrace landforms. The parent material consists of sandy and gravelly glaciofluvial deposits 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 greater than 60 inches. The drainage class is excessively drained. The slowest permeability within 60 inches is about 5.95 in/hr (rapid), with about 2.3 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 4e Typical Profile: 0 to 8 inches; gravelly sandy loam 8 to 20 inches; very gravelly loamy sand 20 to 27 inches; very gravelly sand 27 to 42 inches; stratified cobbly coarse sand to extremely gravelly sand 42 to 60 inches; stratified cobbly coarse sand to extremely gravelly sand Urban Land Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from 3 to 15 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

Map Unit: 306—Udorthents-Urban land complex

Udorthents-Urban Land Complex 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 55 degrees F. (7 to 13 degrees C.) This map unit is 50 percent Udorthents soils, 35 percent Urban Land, 15 percent minor components. Udorthents soils This component occurs on cut (road, railroad, etc.), railroad bed, road bed, spoil pile, urban land, fill, and spoil pile landforms. The slope ranges from 0 to 25 percent and the runoff class is medium. The depth to a restrictive feature varies, but is commonly greater than 60 inches. The drainage class is typically well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 9.0 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.4 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table is greater than 60 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 3e Typical Profile: 0 to 5 inches; loam 5 to 21 inches; gravelly loam 21 to 80 inches; very gravelly sandy loam Urban Land Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from 0 to 35 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

Data Source Information

Soil Survey Area: State of Connecticut
Survey Area Data: Version 6, Mar 22, 2007

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE
KILLINGWORTH, CT. 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
www.allpointstech.com



APT FILING NUMBER: CT-255T-340

LE-1

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 10/31/08

CHECKED BY: SMC



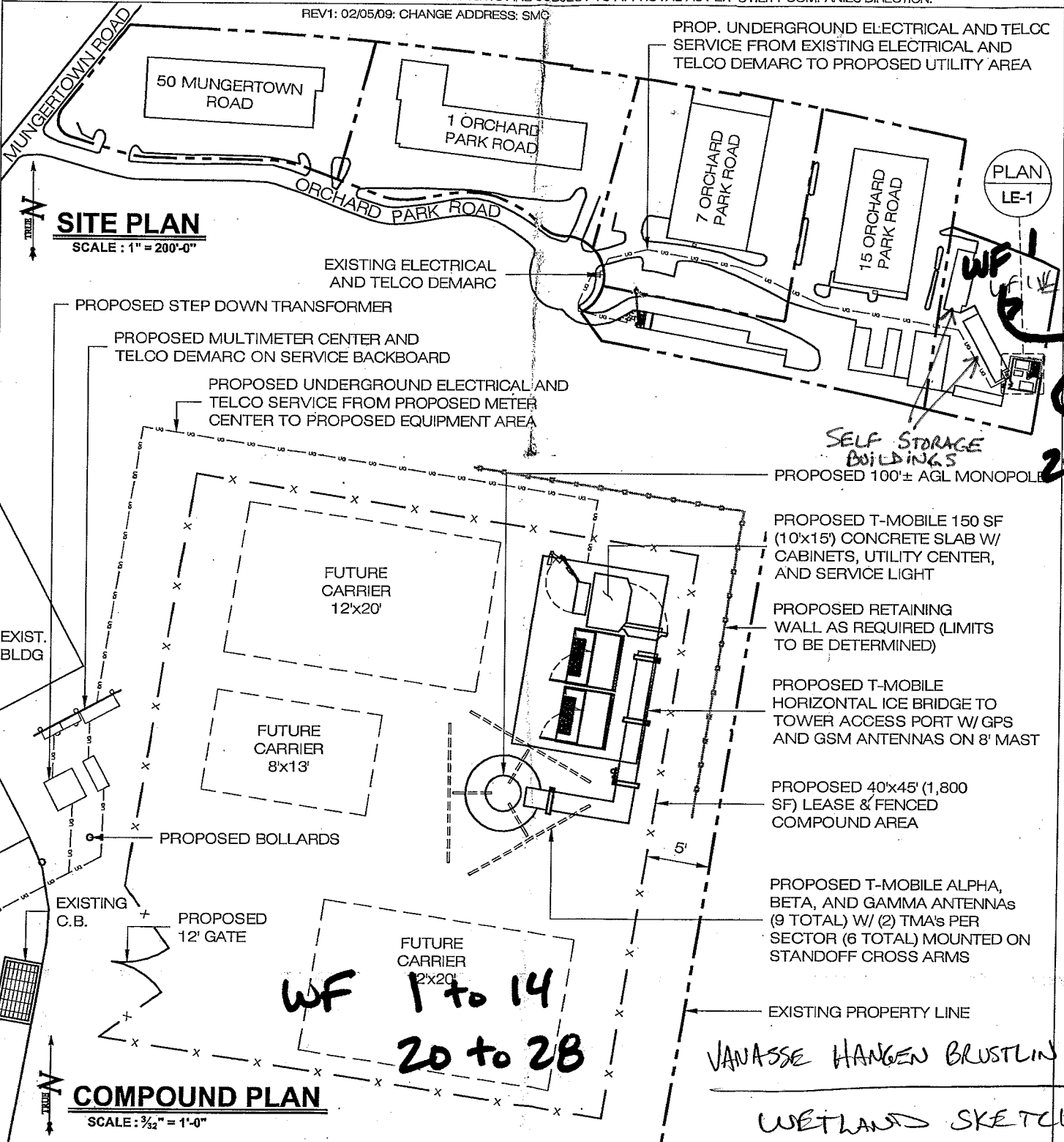
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

T-MOBILE SITE NUMBER
CTNH808A

AMTRAK MADISON
15 ORCHARD PARK ROAD
MADISON, CT 06443-2273

NOTE:
PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS. ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.

REV1: 02/05/09: CHANGE ADDRESS: SMC



14
20
28

VANASSE HANGEN BRUSTLIN, INC

WETLAND SKETCH

4/22/09 DEG

May 20, 2009

Ms. Jamie Ford
Project Coordinator
HPC Development, LLC
53 Lake Ave Ext.
Danbury, CT 06811

Subject: National Environmental Policy Act (NEPA) - Letter of Low Potential Impact
Amtrak Madison / CTNH808A
7 Orchard Park Road, Madison, CT 06442
EBI Project #61087296

Dear Ms. Ford:

Attached please find our *National Environmental Policy Act (NEPA)* Letter of Low Potential Impact for the proposed telecommunications installation at the address noted above (the Subject Property). The purpose of this *letter* is to evaluate the above-referenced property for potential environmental and historical concerns specified by the Federal Communications Commission (FCC) in 47 CFR 1.1307.

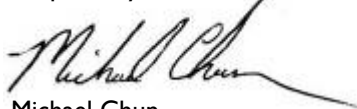
As of the date of this *Report*, T-Mobile, USA proposes to construct an un-manned telecommunications facility on the eastern portion of the parent parcel. The telecommunications facility will include a 100-foot monopole tower and equipment cabinets on a 10-foot by 15-foot concrete pad located within a fenced compound on a 40 x 45 foot lease area. T-Mobile, USA plans to collocate an array of 9 antennas on the monopole with two TMA's per sector (total of 6) mounted on standoff cross arms at a centerline height of approximately 100 feet above ground level (AGL). Coaxial cable will be routed from the support equipment across a proposed ice bridge, then up the tower to the antennas. Underground utilities will be routed from existing demarcs on the western portion of the Subject Property along an existing access drive to a proposed utility area adjacent to the tower compound.

Based upon the results of our preliminary NEPA screening, it appears that the proposed installation will not impact any of the criteria as outlined in 1.1307(a) items (1) through (8) and preparation of an Environmental Assessment (EA) is not required. However, our Native American Indian consultation required under Section 1.1307(a) (5) of the FCC Rules is incomplete. Although EBI has submitted 4 requests to the Narragansett Indian Tribe, the Narragansett Indian Tribe has not responded after their notification initiating consultation and review of cell tower site designated by TCNS # 46868. Of importance, based our archaeological review, it appears that development during the recent past has likely impacted the local soil deposits within the Area of Potential Effect to a substantial degree. As a result, it is unlikely that intact cultural deposits are situated within the proposed project area. Thus, no further archeological investigations is warranted.

Based on our preliminary review and archaeological assessment, even though tribal consultation is incomplete, there is a low potential that the proposed undertaking will impact Native American religious sites.

Thank you for the opportunity to prepare this *Report*, and assist you with this project. Please call us if you have any questions or if we may be of further assistance.

Respectfully Submitted,



Michael Chun
Program Director
Direct# (646) 789-9206

**CTNH808A - AMTRAK MADISON
1000' RESIDENTIAL BUILDING LIST**

PARCEL ID	STREET ADDRESS	BUILDING TYPE	DISTANCE FROM COMPOUND*
36-4	17 Orchard Park Road	Single Family	239'
36-6	39 Orchard Park Road	Single Family	423'
36-5	37 Orchard Park Road	Single Family	392'
35-46	39 Stonewall Lane	Single Family	946'
36-9	54 Stonewall Lane	Single Family	942'
35-37	Esterly Road	Condominiums	691'
46-39	208 Fort Path Road	Single Family	965'
46-40	194 Fort Path Road	Single Family	830'
46-23	213 Fort Path Road	Single Family	930'
46-22	59 Johnson Lane	Single Family	835'
46-1	189 Fort Path Road	Single Family	500'
46-2	193 Fort Path Road	Single Family	550'
46-3	197 Fort Path Road	Single Family	605'
46-4	60 Johnson Lane	Single Family	695
46-5	56 Johnson Lane	Single Family	655'
46-6	52 Johnson Lane	Single Family	625'
46-7	48 Johnson Lane	Single Family	595'
46-8	44 Johnson Lane	Single Family	615'
46-9	40 Johnson Lane	Single Family	595'
46-10	36 Johnson Lane	Single Family	670'
46-11	32 Johnson Lane	Single Family	695'
46-12	28 Johnson Lane	Single Family	745'
46-13	24 Johnson Lane	Single Family	810'
45-132	20 Johnson Lane	Single Family	885'
45-133	16 Johnson Lane	Single Family	980'
46-14	25 Johnson Lane	Single Family	945'
46-15	29 Johnson Lane	Single Family	890'
46-16	33 Johnson Lane	Single Family	860'
46-17	37 Johnson Lane	Single Family	820'
46-18	41 Johnson Lane	Single Family	800'
46-19	45 Johnson Lane	Single Family	780'
46-20	49 Johnson Lane	Single Family	790'
46-21	53 Johnson Lane	Single Family	800'

* Information taken from the Tax Maps Town of Madison (Maps: 35, 36, 45, and 46) and Digital Global 2006 Digital Orthophotographs.

Proposed Wireless Telecommunications Facility

CTNH808A
15 Orchard Park Road
Madison, Connecticut

Prepared for 

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

July 2009

Visual Resource Evaluation

Omni Point Communications, Inc., dba T-Mobile, 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 15 Orchard Park Road in the Town of Madison, Connecticut (identified herein as the "host property"). This Visual Resource Evaluation was conducted to assess the visibility of the proposed Facility within a two-mile radius ("Study Area"). Attachment A contains a map that depicts the location of the proposed Facility and the limits of the Study Area.

Project Introduction

The proposed Facility includes the installation of a 100-foot tall monopole with associated ground equipment to be located at its base. Both the proposed monopole and ground equipment would be situated within a 40-foot by 45-foot fence-enclosed compound. The proposed Facility is located at approximately 16 feet Above Mean Sea Level ("AMSL"). Access to the Facility would be provided via an existing paved driveway currently located on the host property.

Site Description and Setting

Identified in the Town of Madison land records as Map 36/ Lot 3, the host property consists of approximately 3.51 acres of land and is currently occupied by a multi-unit self storage facility. The proposed Facility would be located in an open, undeveloped area adjacent to several of the existing storage units. Land use in the immediate vicinity of the host property consists of commercial/light industrial establishments to the east and west; undeveloped woodlands to the north and south; and an existing Amtrak railroad corridor (and associated overhead electrical infrastructure) located further to the north. Segments of US Route 1, Route 79 and Interstate 95 are contained within the Study Area. In total, the Study Area features approximately 102 linear miles of roadways and rail line.

The topography within the Study Area is characterized by gently rolling hills with ground elevations that range from sea level to approximately 165 feet AMSL. The Study Area contains approximately 1,781 acres of surface water, including portions of Long Island Sound which occupies the southern third of the Study Area and the East River which flows north to south through the western half of the Study Area. The tree cover within the Study Area consists mainly of mixed deciduous hardwood species. The tree canopy occupies approximately 3,840 acres of the 8,042-acre study area (48%). During the in-field activities associated with this analysis, an infrared 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 60 feet.

METHODOLOGY

In order to better represent the visibility associated with the 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. 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, 60 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 60 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. In addition, based on a review of information published by both the State of Connecticut Department of Transportation (ConnDOT) and the Town of Madison, it was determined that there are several locally-designated scenic roadways located within the Study Area including US Route 1, Route 79 and Neck Road. Although the segments of US Route 1 and Route 79 that traverse the Study Area have been designated as scenic by the Town of Madison, these state highways have not been designated as such by ConnDOT. Lastly, the Town of Madison Plan of Conservation and Development identifies a number of scenic areas and vistas, several of which are located within the Study Area. These include the Rockledge Drive vista, Tuxis Pond, Tuxis Island, Cedar Island and East River/Neck River Marshes.

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

Balloon Float and Study Area Reconnaissance

On July 7, 2009 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 an approximate four-foot diameter, helium-filled weather balloon at the proposed site location at a height of 100 feet. Once the balloon was secured, VHB staff conducted a drive-by reconnaissance along the roads located within the Study Area with an emphasis on nearby residential areas and other potential sensitive receptors in order to evaluate the results of the preliminary viewshed map and to document where the balloon was, and was not, visible above and/or through the tree canopy. During the balloon float, the temperature was approximately 70 degrees Fahrenheit with calm wind conditions and sunny skies.

Photographic Documentation

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

1. View from US Route 1 west of Stony Lane.
2. View from Stony Lane adjacent to house #26.

3. View from Circle Beach Road adjacent to house #25.
4. View from Green Hill Road adjacent to Daniel Hand High School.
5. View from US Route 1 at Madison Town Center.
6. View from West Wharf Road adjacent to house #57.

Photographs of the balloon from the view points listed above were taken with a Nikon D-80 digital camera body and Nikon 18 to 135 mm zoom lens. For the purposes of this report, the lens was set to 50 mm. "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.

Photographic Simulation

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

CONCLUSIONS

Based on this analysis, areas from where the proposed 100-foot tall monopole may be visible comprise approximately 712 acres within the 8,042-acre Study Area. As depicted on the attached viewshed map, the majority of the potential visibility occurs over the Cedar Island/East River/Neck River tidal marshes located approximately 0.75 mile to two miles southwest of the proposed Facility and/or over open water on Long Island Sound located roughly one to two miles to the south. Year-round visibility over Long Island Sound and the Cedar Island/East River/Neck River tidal marshes accounts for approximately 630 acres and 60 acres, respectively, of the 712-acre total (97%). The viewshed map also depicts small areas of year-round visibility along select portions of US Route 1 and Stony Lane located approximately 0.36 mile and 0.31 mile to the southeast of the proposed Facility, respectively. As evidenced in View 1 and View 2, potential visibility from these areas would be intermittent and would not be in the direct line of sight of motorists, cyclists or pedestrians traveling along these roadways. Other areas of potential year-round visibility are located within the immediate vicinity of the proposed monopole. No visibility is expected to occur from the Rockledge Drive vista, Tuxis Pond or Tuxis Island, the remaining Town of Madison scenic resources located within the Study Area.

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

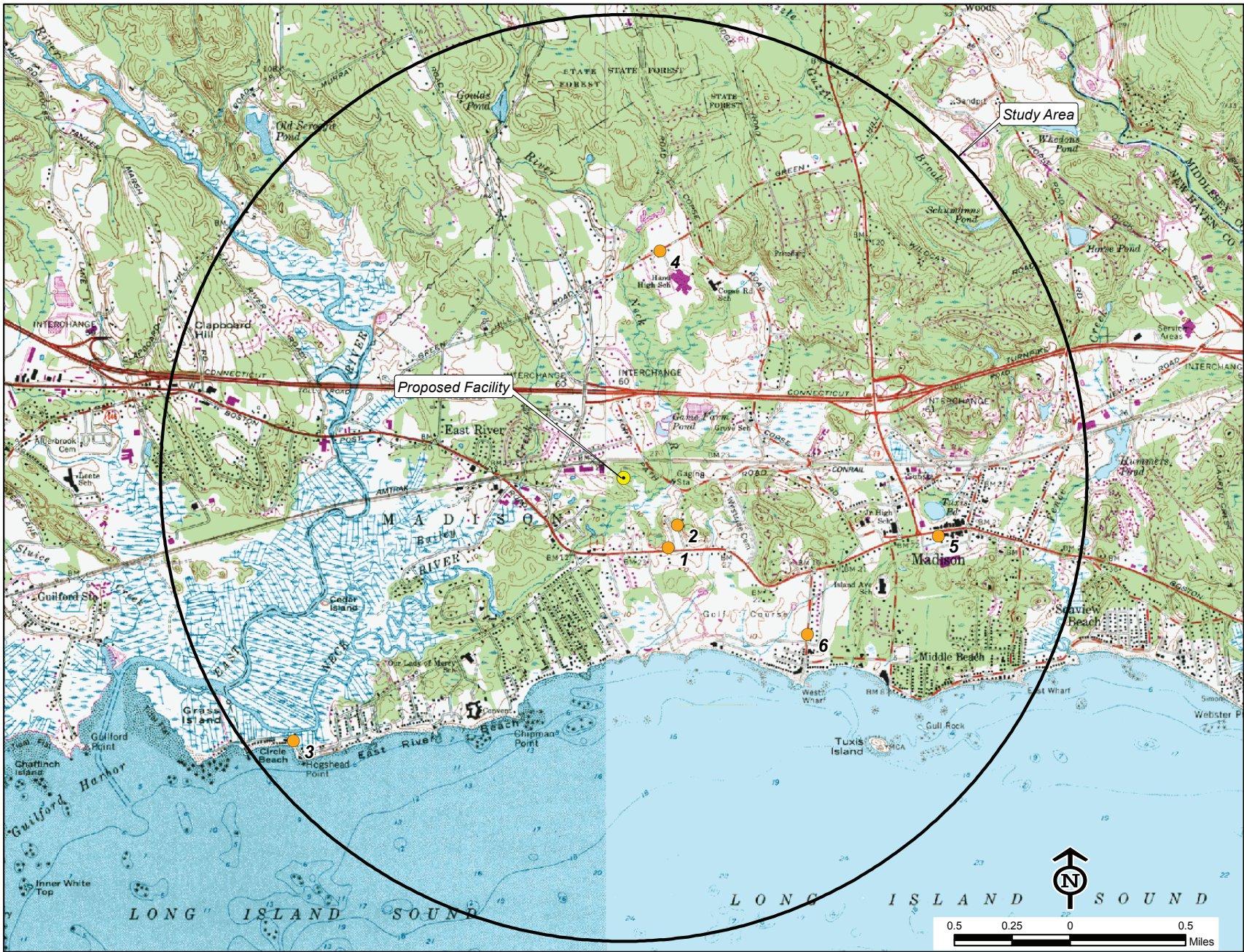
Overall, year-round visibility would be confined to the areas depicted on the attached viewshed map by a combination of the mature vegetation located within the general vicinity of the proposed Facility and the intervening topography found within the Study Area. The relatively low height of the proposed Facility, 100 feet above ground level, and its placement at a somewhat lower ground elevation in comparison to the surrounding areas to the north and west would also contribute to the anticipated absence of extensive views associated with the installation of the proposed monopole. In total, VHB estimates that at least partial views of the proposed Facility may be achieved from select portions of approximately four residential properties located within the Study Area. This includes one residence located along US Route 1 and three residences located along Stony Lane

The viewshed map also depicts several additional areas where seasonal (i.e. during "leaf off" conditions) views are anticipated. These areas comprise approximately 59 additional acres and are limited to the general vicinity of the host property (within 0.35-mile or less). VHB estimates that seasonal views of the proposed monopole may be achieved from portions of approximately nine additional residential properties. These properties are located along US Route 1, Stony Lane and Johnson Lane.

Attachment A

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

PHOTOLOG MAP



ctmidat40505.10\graphics\FIGURES\40505.10_Photosim

VIEW 1



PHOTO TAKEN FROM US ROUTE 1 WEST OF STONY LANE, LOOKING NORTHWEST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.36 MILE +/-

ctm\ddat\40505-10\graphics\FIGURES\40505-10_Photos\im

VIEW 1



PHOTO TAKEN FROM US ROUTE 1 WEST OF STONY LANE, LOOKING NORTHWEST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.36 MILE +/-

ct:\mddat\40505-10\graphics\FIGURES\40505-10_Photosim

VIEW 2



PHOTO TAKEN FROM STONY LANE ADJACENT TO HOUSE #26, LOOKING NORTHWEST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.31 MILE +/-

cmiddat\40505-10\graphics\FIGURES\40505-10_Photosim

VIEW 2



PHOTO TAKEN FROM STONY LANE ADJACENT TO HOUSE #26, LOOKING NORTHWEST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 0.31 MILE +/-

cmiddat40505.10\graphics\FIGURES\40505.10_Photosim

VIEW 3



ct:\midat\40505.10\graphics\FIGURES\40505.10_Photosim

PHOTO TAKEN FROM CIRCLE BEACH ROAD ADJACENT TO HOUSE #25, LOOKING NORTHEAST - BALLOON IS NOT VISIBLE
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 1.83 MILES +/-

VIEW 4



ctimiddat40505-10\graphics\FIGURES\40505-10_Photos\im

PHOTO TAKEN FROM GREEN HILL ROAD ADJACENT TO DANIEL HAND HIGH SCHOOL, LOOKING SOUTHWEST - BALLOON IS NOT VISIBLE
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 1.00 MILE +/-

VIEW 5



ctimiddat40505.10\graphics\FIGURES\0505.10_Photosim

PHOTO TAKEN FROM US ROUTE 1 AT MADISON TOWN CENTER, LOOKING NORTHWEST - BALLOON IS NOT VISIBLE
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 1.40 MILES +/-

VIEW 6



ctimiddat\40505.10\graphics\FIGURES\40505.10_Photos\im

**PHOTO TAKEN FROM WEST WHARF ROAD ADJACENT TO HOUSE #57, LOOKING NORTHWEST - BALLOON IS NOT VISIBLE
DISTANCE FROM THE PHOTOGRAPH LOCATION TO SITE IS 1.04 MILES +/-**

Attachment B

Viewshed Map

Viewshed Analysis
Proposed T-Mobile Wireless
Telecommunications Facility
CTNH808A
15 Orchard Park Road
Madison, Connecticut

NOTE:
 - Viewshed analysis conducted using ESRI's Spatial Analyst.
 - Proposed Facility height is 100 feet.
 - Existing tree canopy height estimated at 60 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 2006 digital orthophotos with 1-foot pixel resolution; digitized by VHB, 2009
 - Base map comprised of Guilford (1984) and Clinton (1984) USGS Quadrangle Maps
 - Protected municipal and private open space properties and federal protected properties and data layers provided by CT DEP, 1997
 - Protected CT DEP properties data layer provided by CTDEP, May 2007
 - CT DEP boat launches data layer provided by CT DEP, 1994
 - Scenic Roads layer derived from available State and Local listings.

Map Compiled July, 2009

Legend

- Tower Location
- Photographs - July 7, 2009
- Balloon is not visible
- Balloon visible above trees
- Seasonal Visibility (Approximately 59 acres)
- Year-Round Visibility (Approximately 712 acres)
- Protected Municipal and Private Open Space Properties (1997)
- Federal Protected Properties (1997)
- CT DEP Boat Launches (1994)
- Scenic Road (State and Local)
- Town Line
- CT DEP Protected Properties (2007)
- 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



/c:/mdata/projects/ctnh808a/figures/figures/CTNH808A_viewshed_map.pdf



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Field Office
70 Commercial Street, Suite 300
Concord, New Hampshire 03301-5087
<http://www.fws.gov/northeast/newenglandfieldoffice>

January 2, 2009

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.

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, 2010. Updated consultation letters and species lists are available on our website:

(<http://www.fws.gov/northeast/newenglandfieldoffice/EndangeredSpec-Consultation.htm>)

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

Sincerely yours,

A handwritten signature in blue ink, appearing to read "Tom Chapman", with a long horizontal flourish extending to the right.

Thomas R. Chapman
Supervisor
New England Field Office

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

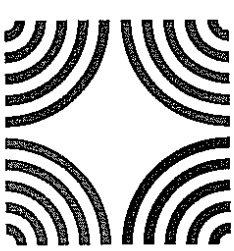
COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Fairfield	Piping Plover	Threatened	Coastal Beaches	Westport, Bridgeport and Stratford
	Roseate Tern	Endangered	Coastal beaches, Islands and the Atlantic Ocean	Westport and Stratford
	Bog Turtle	Threatened	Wetlands	Ridgefield and Danbury.
Hartford	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

Connecticut Commission on Culture & Tourism



January 9, 2009

Historic Preservation
and Museum Division

One Constitution Plaza
Second Floor
Hartford, Connecticut
06103

860.256.2800
860.256.2763 (f)

Ms. Alexis Godat
EBI Consulting
21 B Street
Burlington, MA 01803

Subject: Telecommunications Facilities
7 Orchard Park Road
Madison, CT
EBI #61087296, CTNH808A

Dear Ms. Godat:

The State Historic Preservation Office has reviewed the above-named project. This office expects that the proposed undertaking will have no effect on historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places.

This office appreciates the opportunity to have reviewed and commented upon the proposed undertaking.

This comment is provided in accordance with the National Historic Preservation Act and the Connecticut Environmental Policy Act.

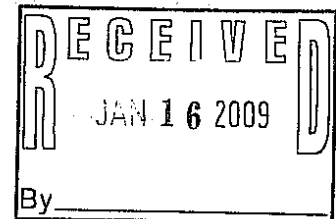
For further information, please contact Dr. David A. Poirier, Staff Archaeologist.

Sincerely,

David Bahlman
Deputy State Historic Preservation Officer

CONNECTICUT
www.cultureandtourism.org

An Affirmative Action
Equal Opportunity Employer





Vanasse Hangen Brustlin, Inc.

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

Memorandum

To: Mr. Scott Chasse
All-Points Technology Corp., P.C.
3 Saddlebrook Drive
Killingworth, CT 06419

Date: July 30, 2009

Project No.: 40505.10

From: Dean Gustafson
Senior Wetland Scientist

Re: Coastal Consistency Analysis
T-Mobile Site No. CTNH808A
15 Orchard Park Road
Madison, Connecticut

Vanasse Hangen Brustlin, Inc. (VHB) provides the following assessment to demonstrate that the proposed T-Mobile project meets the requirements of the Connecticut Coastal Management Act (CGS Section 22a-90 through 22a-112) and is adequately protective of the interests of these regulations and the State's coastal resources.

The property is improved with a commercial building, several self storage buildings and associated paved parking areas. Based on a review of plans prepared by All-Points Technology Corporation, P.C. (latest revised date 05/15/09) VHB understands that T-Mobile proposes to construct a wireless communications facility ("Facility") in the eastern end of the subject property just east of two self storage buildings and south of Amtrak rail lines in an existing cleared area.

The proposed Facility location is within the coastal boundary; refer to the enclosed Coastal Boundary Map. No coastal resources are located on the subject property. No federal or state-regulated tidal wetlands or watercourses were identified (or delineated) on the subject property. The Facility would be located outside the 100-year and 500-year flood plain as shown on the Town of Madison, Connecticut FEMA Flood Insurance Rate Map, Panel Number 090079 0011 C, revised November 4, 1992. According to the 1979 Connecticut Coastal Resources Map, tidal wetlands associated with Bailey Creek are the nearest coastal resource to the subject property, approximately 2,000 feet southwest of the proposed Facility location.

Due to the absence of coastal resources on and proximate to the Facility location no coastal resources will be adversely affected by the proposed development and the T-Mobile project is consistent with the State's coastal policies and goals as detailed below.

Coastal Consistency Review

The proposed T-Mobile project will not result in adverse impacts to coastal resources as defined in the Connecticut Coastal Management Act (CCMA). The CCMA identifies eight potential adverse impacts to coastal resources. This section provides a definition of each potential adverse impact for each resource area and why the proposed project will not adversely affect each resource.

- 1) *Degrading **water quality** of coastal waters by introducing significant amounts of suspended solids, nutrients, toxics, heavy metals or pathogens, or through the significant alteration of temperature, pH, dissolved oxygen or salinity.*

The proposed project will not affect water quality within Bailey Creek or associated tidal wetlands, located 2,000± feet to the southwest. Since the proposed wireless telecommunications compound creates minimal impervious surface and is underlain by a gravel surface, no significant stormwater runoff will be generated by the proposed project.

- 2) *Degrading **existing circulation patterns of coastal waters** by impacting tidal exchange or flushing rates, freshwater input, or existing basin characteristics and channel contours.*

The proposed project is located on property that is currently developed and outside of tidally influenced coastal water areas and as such will not impact current drainage or circulation patterns.

- 3) *Degrading **natural erosion patterns** by significantly altering littoral transport of sediments in terms of deposition or source reduction.*

The proposed project would not affect littoral transport of sediments since the Facility location is not on a shoreline.

- 4) *Degrading **natural or existing drainage patterns** by significantly altering groundwater flow and recharge and volume of runoff.*

Existing drainage patterns, groundwater flow and recharge and stormwater runoff will not be significantly altered by the proposed Facility due to its limited size and the existing developed nature of the subject property.

- 5) *Increasing the hazard of **coastal flooding** by significantly altering shoreline configurations or bathymetry, particularly within high velocity flood zones.*

The proposed project will not significantly alter shoreline configurations or bathymetry. The proposed project is located outside of the 100-year flood hazard zone.

- 6) *Degrading **visual quality** by significantly altering the natural features of vistas and viewpoints.*

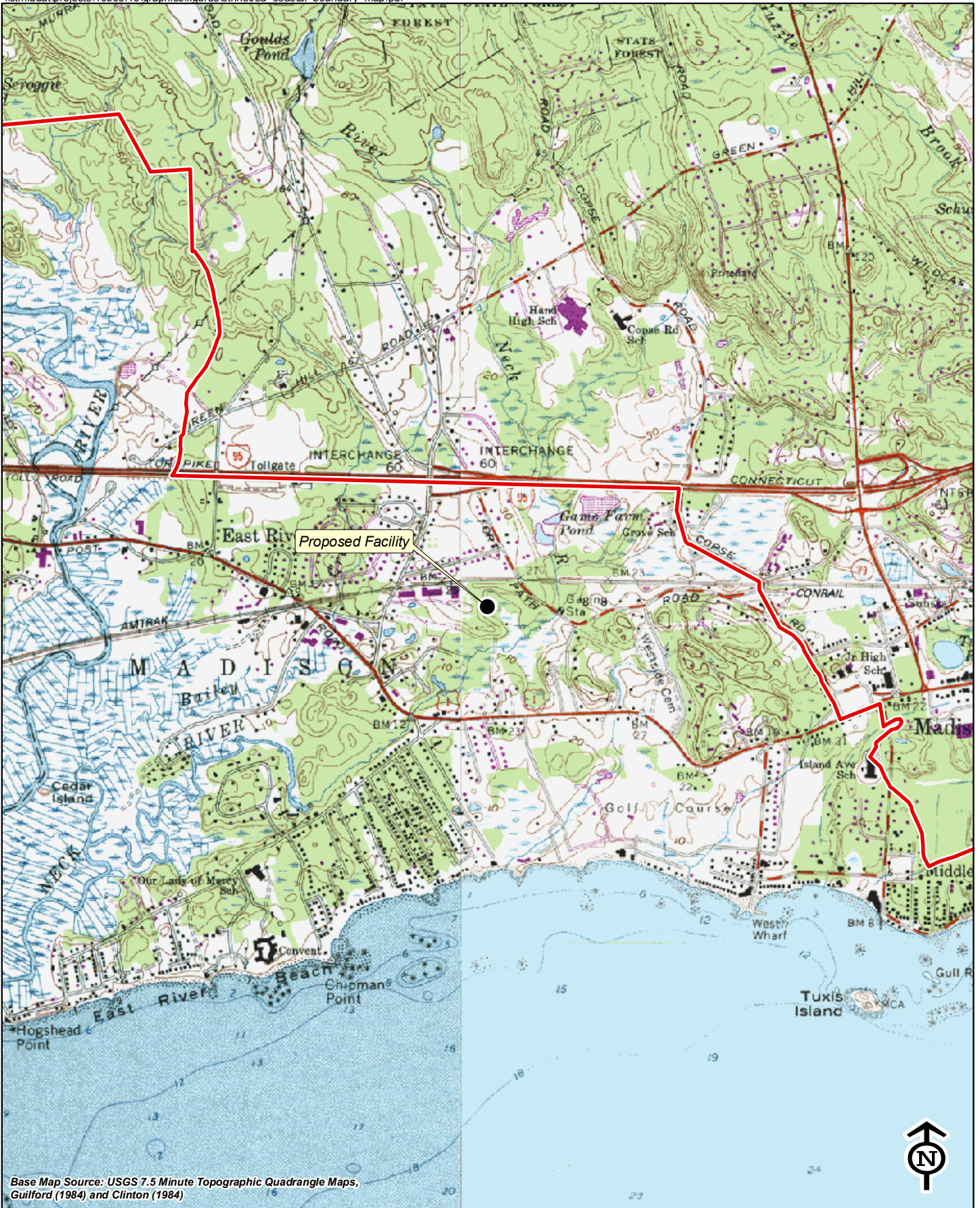
The proposed 100 foot monopole will not significantly alter vistas or viewpoints and does not result in significant visibility from coastal resource areas. Refer to VHB's Visual Resource Evaluation Report, dated July 2009, provided under separate cover.

- 7) *Degrading or destroying **essential wildlife, finfish or shellfish habitat** by significantly altering the composition, migration patterns, distribution, breeding or other population characteristics of the natural species or significantly altering the natural components of the habitat.*

No essential wildlife, finfish or shellfish habitat exist on the subject property. The proposed facility location is immediately adjacent to self storage buildings with Amtrak rail lines nearby.

- 8) *Degrading **tidal wetlands, beaches and dunes, rocky shorefronts, and bluffs and escarpments** by significantly altering their natural characteristics or function.*

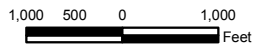
The proposed project will not alter the natural characteristics of any coastal resource area as none exist on the subject property.



Base Map Source: USGS 7.5 Minute Topographic Quadrangle Maps, Guilford (1984) and Clinton (1984)

Legend

- Proposed Site Facility
- Coastal Boundary



Vanasse Hangen Brustlin, Inc.





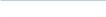











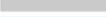
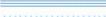




Coastal Boundary Map
 Proposed T-Mobile Wireless
 Telecommunications Facility
 CTNL808A
 15 Orchard Park Road
 Madison, Connecticut



STATE AND FEDERAL LISTED SPECIES AND SIGNIFICANT NATURAL COMMUNITIES

Madison

LEGEND

-  Listed Species and Natural Communities*
-  State Boundary
-  County Boundary
-  Town Boundary
-  Coastline
-  Primary Route
-  Secondary Route
-  Local Road
-  Railroad
-  Water, Shore
-  Drainage Ditch
-  Intermittent Water
-  Dam
-  Dredged Channel
-  Aqueduct
-  Water
-  Intermittent Water
-  Tidal, Sand Flats
-  Rocks in Water
-  Inundated Area
-  Marsh
-  Dam

TO USE MAP

Locate project boundaries and any additional affected areas on the map. If the project is not within a shaded area, or overlapping a lake, pond or wetland that has any shading, or upstream or downstream (by less than 1/2 mile) from a shaded area, the project is unlikely to affect any known occurrence of listed species or significant natural community. If any part of the project is within a shaded area, or overlapping a lake, pond, or wetland that has any shading, or upstream or downstream (by less than 1/2 mile) from a shaded area, then the project may have a potential conflict with a species or natural community. Complete a Data Base Request Form and submit to the Natural Diversity Data Base along with a project description and a copy of a map clearly showing the project boundaries.

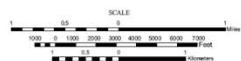
DATA SOURCES

BASE MAP INFORMATION - Political boundaries, railroads, and hydrography originally derived from 1:24,000 scale 7.5 Minute U.S. Geological Survey Digital Line Graphs and enhanced by the Connecticut Department of Environmental Protection. The data is based on 1:24,000 scale Topographic Quadrangle maps published between 1965 and 1984. The roads and road name data are provided by Tele Atlas. Annotation derived in part from U.S. Geological Survey Geographic Names Information System and information on file at the Connecticut Department of Environmental Protection. The base map data may be neither current nor complete.

*** NDBS INFORMATION** - Locations of listed species and natural communities are based on data collected by the CT Department of Environmental Protection, private conservation groups and the scientific community and compiled by the Natural Diversity Data Base. The information is not necessarily the result of comprehensive or site-specific field investigations. In some cases locations have been derived from literature or museum searches or historic records. Exact locations have been buffered to produce generalized locations. The exact species or community location falls somewhere within the shaded area and not necessarily in the center. Information on this map does not include Natural Area Preserves, designated wetting areas or wetlands conservation areas. More information is available at www.ct.gov/deep/depndg/ndg/species

Date of Map: June 2005
Natural Diversity Database Digital Data

For inquiries about the State and Federal
Listed Species and Significant Natural
Communities map, Contact DEP,
Bureau of Natural Resource, Wetlands Division,
Tel: 860-424-3011

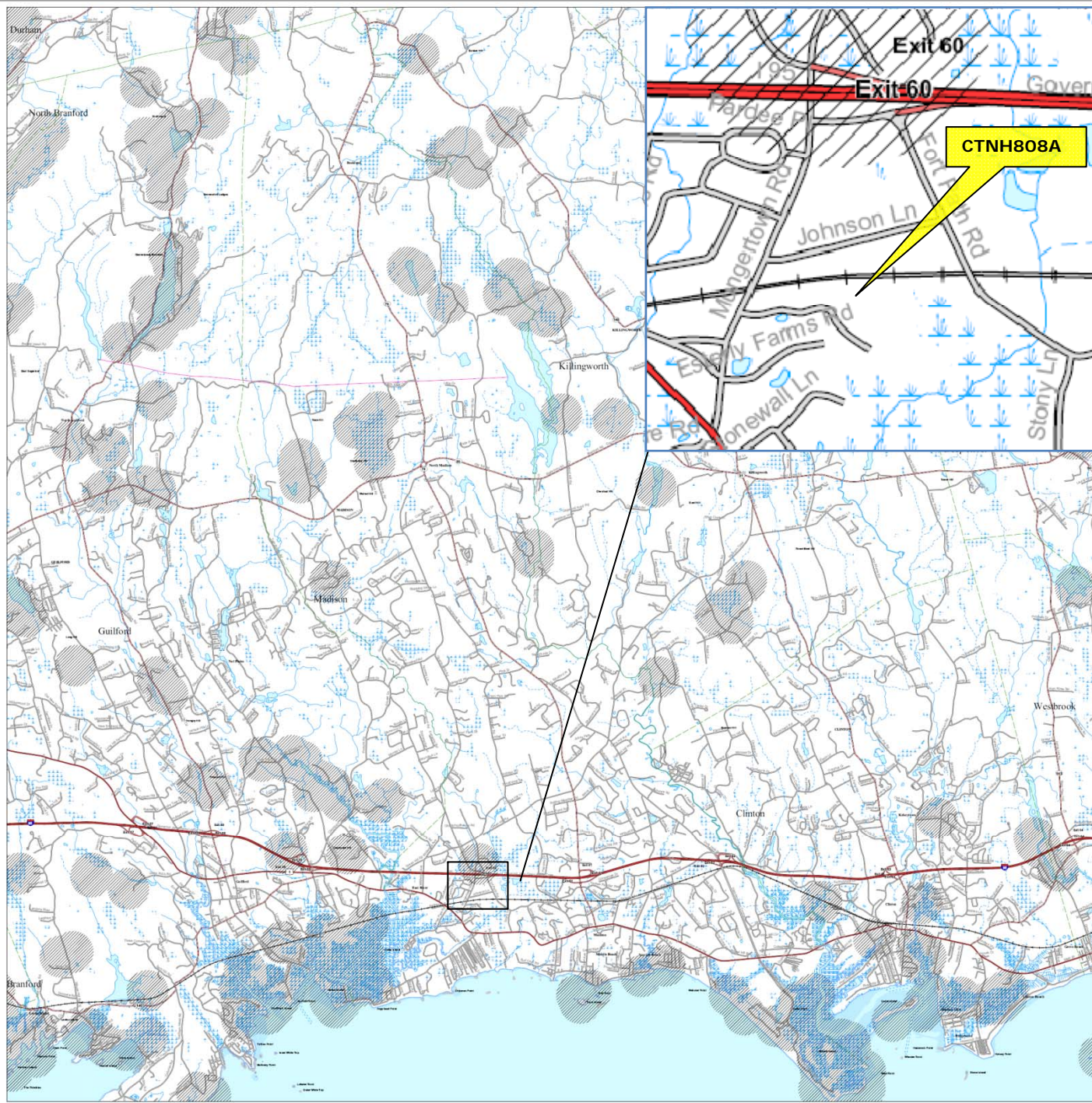


STATE OF CONNECTICUT
DEPARTMENT OF
ENVIRONMENTAL PROTECTION
79 Elm St., Hartford, CT 06106-0127
Tel: 860-424-3011
www.ct.gov

Maps Available at the DEP Store
79 Elm St., Hartford, CT 06106-0127
860-424-3550 Fax: 860-424-4038
depstore@dep.state.ct.us

GIS data available for download
www.ct.gov/dep/gis

NOTE: This map is not colored. Printed from light and medium.



Technical Memo

To: Jennifer Gaudet
From: Scott Heffernan - Radio Frequency Engineer
cc: Jason Overbey
Subject: Power Density Report for CTNH808A
Date: May 14, 2009

1. Introduction:

This report is the result of an Electromagnetic Field Intensities (EMF - Power Densities) study for the T-Mobile PCS antenna installation on a Monopole at 70 Orchard Park Road, Madison, CT. This study incorporates the most conservative consideration for determining the practical combined worst case power density levels that would be theoretically encountered from locations surrounding the transmitting location.

2. Discussion:

The following assumptions were used in the calculations:

- 1) The emissions from T-Mobile transmitters are in the (1935-1944.8), (1980.2-1984.8), (2140-2145), (2110-2120)MHz frequency Bands.
- 2) The antenna array consists of three sectors, with 3 antennas per sector.
- 3) The model number for GSM antenna is APX16DWV-16DWV.
- 3) The model number for UMTS antenna is APX16DWV-16DWV.
- 4) GSM antenna center line height is 100 ft.
- 4) UMTS antenna center line height is 100 ft.
- 5) The maximum transmit power from any GSM sector is 1884.17 Watts Effective Radiated Power (EiRP) assuming 8 channels per sector.
- 5) The maximum transmit power from any UMTS sector is 2393.81 Watts Effective Radiated Power (EiRP) assuming 2 channels per sector.
- 6) All the antennas are simultaneously transmitting and receiving, 24 hours a day.
- 7) Power levels emitting from the antennas are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 8) The average ground level of the studied area does not change significantly with respect to the transmitting location

Equations given in "FCC OET Bulletin 65, Edition 97-01" were then used with the above information to perform the calculations.

3. Conclusion:

Based on the above worst case assumptions, the power density calculation from the T-Mobile PCS antenna installation on a Monopole at 70 Orchard Park Road, Madison, CT, is 0.10622 mW/cm². This value represents 10.622% of the Maximum Permissible Exposure (MPE) standard of 1 milliwatt per square centimeter (mW/cm²) set forth in the FCC/ANSI/IEEE C95.1-1991. Furthermore, the proposed antenna location for T-Mobile will not interfere with existing public safety communications, AM or FM radio broadcasts, TV, Police Communications, HAM Radio communications or any other signals in the area.

Connecticut Market



Worst Case Power Density

Site: CTNH808A
Site Address: 70 Orchard Park Road
Town: Madison
Tower Height: 100 ft.
Facility Style: Monopole

GSM Data		UMTS Data	
Base Station TX output	20 W	Base Station TX output	40 W
Number of channels	8	Number of channels	2
Antenna Model	APX16DWV-16DWV	Antenna Model	APX16DWV-16DWV
Cable Size	7/8 in.	Cable Size	7/8 in.
Cable Length	150 ft.	Cable Length	150 ft.
Antenna Height	100.0 ft.	Antenna Height	100.0 ft.
Ground Reflection	1.6	Ground Reflection	1.6
Frequency	1945.0 MHz	Frequency	2.1 GHz
Jumper & Connector loss	4.50 dB	Jumper & Connector loss	1.50 dB
Antenna Gain	18.0 dBi	Antenna Gain	18.0 dBi
Cable Loss per foot	0.0186 dB	Cable Loss per foot	0.0116 dB
Total Cable Loss	2.7900 dB	Total Cable Loss	1.7400 dB
Total Attenuation	7.2900 dB	Total Attenuation	3.2400 dB
Total EIRP per Channel (In Watts)	53.72 dBm 235.52 W	Total EIRP per Channel (In Watts)	60.78 dBm 1196.91 W
Total EIRP per Sector (In Watts)	62.75 dBm 1884.17 W	Total EIRP per Sector (In Watts)	63.79 dBm 2393.81 W
nsg	10.7100	nsg	14.7600
Power Density (S) = 0.046783 mW/cm ²		Power Density (S) = 0.059437 mW/cm ²	
T-Mobile Worst Case % MPE = 10.6219%			

Equation Used :

$$S = \frac{(1000)(grf)^2(Power)^*10^{(nsg/10)}}{4\pi(R)^2}$$

Office of Engineering and Technology (OET) Bulletin 65, Edition 97-01, August 1997

Co-Location Total

Carrier	% of Standard
Verizon	0.0000 %
Cingular	0.0000 %
Sprint	0.0000 %
AT&T Wireless	0.0000 %
Nextel	0.0000 %
MetroPCS	
Other Antenna Systems	0.0000 %
Total Excluding T-Mobile	0.0000 %
T-Mobile	10.6219
Total % MPE for Site	10.6219%

May 20, 2009

Ms. Jamie Ford
Project Coordinator
HPC Development, LLC
53 Lake Ave Ext.
Danbury, CT 06811

Subject: National Environmental Policy Act (NEPA) - Letter of Low Potential Impact
Amtrak Madison / CTNH808A
7 Orchard Park Road, Madison, CT 06442
EBC Project #61087296

Dear Ms. Ford:

Attached please find our *National Environmental Policy Act (NEPA)* Letter of Low Potential Impact for the proposed telecommunications installation at the address noted above (the Subject Property). The purpose of this *letter* is to evaluate the above-referenced property for potential environmental and historical concerns specified by the Federal Communications Commission (FCC) in 47 CFR 1.1307.

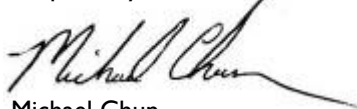
As of the date of this *Report*, T-Mobile, USA proposes to construct an un-manned telecommunications facility on the eastern portion of the parent parcel. The telecommunications facility will include a 100-foot monopole tower and equipment cabinets on a 10-foot by 15-foot concrete pad located within a fenced compound on a 40 x 45 foot lease area. T-Mobile, USA plans to collocate an array of 9 antennas on the monopole with two TMA's per sector (total of 6) mounted on standoff cross arms at a centerline height of approximately 100 feet above ground level (AGL). Coaxial cable will be routed from the support equipment across a proposed ice bridge, then up the tower to the antennas. Underground utilities will be routed from existing demarcs on the western portion of the Subject Property along an existing access drive to a proposed utility area adjacent to the tower compound.

Based upon the results of our preliminary NEPA screening, it appears that the proposed installation will not impact any of the criteria as outlined in 1.1307(a) items (1) through (8) and preparation of an Environmental Assessment (EA) is not required. However, our Native American Indian consultation required under Section 1.1307(a) (5) of the FCC Rules is incomplete. Although EBC has submitted 4 requests to the Narragansett Indian Tribe, the Narragansett Indian Tribe has not responded after their notification initiating consultation and review of cell tower site designated by TCNS # 46868. Of importance, based our archaeological review, it appears that development during the recent past has likely impacted the local soil deposits within the Area of Potential Effect to a substantial degree. As a result, it is unlikely that intact cultural deposits are situated within the proposed project area. Thus, no further archeological investigations is warranted.

Based on our preliminary review and archaeological assessment, even though tribal consultation is incomplete, there is a low potential that the proposed undertaking will impact Native American religious sites.

Thank you for the opportunity to prepare this *Report*, and assist you with this project. Please call us if you have any questions or if we may be of further assistance.

Respectfully Submitted,



Michael Chun
Program Director
Direct# (646) 789-9206

National Environmental Policy Act (NEPA) Screening Report

Prepared for:

T-Mobile Northeast LLC, a
Delaware limited liability company
c/o HPC Development, LLC
5827 Shamrock Court
Hamburg, NY 14075



CTNH808A/ AMTRAK MADISON

**7 Orchard Park Road
Madison, Connecticut, 06442**

EBI Project No. 61087296

Site Report Date: July 2, 2009

July 2, 2009

Mr. Hans Fiedler
T-Mobile Northeast LLC, a Delaware limited liability company
c/o Ms. Amy English
HPC Development, LLC
5827 Shamrock Court
Hamburg, NY 14075

Subject: National Environmental Policy Act (NEPA) Screening Report
CTNH808A/ Amtrak Madison
7 Orchard Park Road, Madison, Connecticut
EBI Project #61087296

Dear Mr. Fiedler:

Attached please find our *National Environmental Policy Act (NEPA) Screening Report*, (the *Report*) for the proposed telecommunications installation at the address noted above (the Subject Property). The purpose of this *Report* is to evaluate the above-referenced property for environmental and historical concerns specified by the Federal Communications Commission (FCC) in 47 CFR 1.1307, T-Mobile Northeast LLC's, a Delaware limited liability company, *as successor-in-interest to Omnipoint Communications, Inc.*, a Delaware corporation (hereinafter "T-Mobile") scope-of-work, and general industry standards.

The Subject Property, known as CTNH808A/ Amtrak Madison, consists of an approximately 5.68 acre lot improved with an eight-building commercial/self-storage complex. The two office buildings were built between 1982 and 1983. The self-storage buildings were constructed in 2002.

As of the date of this *Report*, T-Mobile proposes to construct an un-manned telecommunications facility on the eastern portion of the Subject Property. The telecommunications facility will consist of a 100-foot monopole tower and equipment cabinets on a 10-foot by 15-foot concrete pad located within a fenced compound on a 40-foot by 45-foot lease area. T-Mobile plans to collocate an array of 9 antennas on the monopole with two TMA's per sector (total of 6) mounted on standoff cross arms at a centerline height of approximately 100 feet above ground level (AGL). Coaxial cable will be routed from the support equipment across a proposed ice bridge, then up the tower to the antennas. Underground utilities will be routed from existing demarcs on the western portion of the Subject Property along an existing access drive to a proposed utility area adjacent to the tower compound.

Please find the attached National Environmental Policy Act (NEPA) Checklist, NEPA Summary Report, and associated documentation for the above-referenced site. Based upon the results of our assessment, the preparation of an Environmental Assessment (EA) for these criteria is not required; however, the following was determined:

- Our review of the U.S. Department of the Interior, Fish & Wildlife Service's National Wetland Inventory (NWI) Map indicates that the Project Site is located near a Freshwater Forested/Shrub Wetland (PFO5/UBH). Additionally, EBI observed visual evidence of potential wetland areas approximately 100 feet southwest of the proposed tower compound. Of note, wetlands approvals for the on-site self-storage buildings adjacent to the Project Site were on file at the Madison Land Use Office. EBI recommends that an existing wetland survey be obtained if available or that a new survey be conducted to determine the boundaries of the wetland and whether the proposed undertaking will encroach upon its buffer, requiring a permit.

The *Report* was completed according to the terms and conditions authorized by you. There are no intended or unintended third party beneficiaries to this *Report*, unless specifically named. EBI is an independent contractor, not an employee of either the property owner or the project proponent, and its compensation was not based on the findings or recommendations made in the *Report* or on the closing of any business transaction. Note that the findings of this *Report* are based on the project specifications provided to EBI and described in this *Report*. In the event that the design or location of the installation changes, please contact EBI as additional review and/or consultation may be required.

Thank you for the opportunity to prepare this *Report*, and assist you with this project. Please call us if you have any questions or if we may be of further assistance.

Respectfully Submitted,



Mr. Brian Hooper
Author/Staff Scientist


Mr. Michael Chun
Reviewer/Program Director
Direct# (646) 789-9206


Mr. Jeffrey Previte
Vice President-
Telecom Business Development

- Appendix A – NEPA Checklist
- Appendix B – FCC NEPA Summary Report
- Appendix C – Figures, Drawings, and Maps
- Appendix D – NPA Checklist and SHPO Correspondence
- Appendix E – Tribal Correspondence
- Appendix F – Land Resources Map
- Appendix G – Federal and State Fish and Wildlife Service Correspondence
- Appendix H – Wetlands Map
- Appendix I – FEMA Floodplain Map

APPENDIX A
NEPA CHECKLIST

	Site type (<i>choose one</i>): <input checked="" type="checkbox"/> Raw land <input type="checkbox"/> Tower colo <input type="checkbox"/> Other colo <input type="checkbox"/> Tower Replacement	Site ID: CTNH808A/ Amtrak Madison	Site Address: 7 Orchard Park Road, Madison, Connecticut
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NEPA Land Use Screening Checklist


FCC NEPA Category	Consulting Agency to Contact	<i>Check appropriate boxes below</i>			
		No Adverse Impact	Potential Adverse Impact	Exempt from Review	NPA Applies
Designated Wilderness Areas	National Park Service, US Forest Service, Bureau of Land Management (BLM)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Designated Wildlife Preserves	National Park Service, US Forest Service, BLM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Threatened or Endangered Species & Critical Habitats	US Fish & Wildlife Service - Field Office (USF&WS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Historic Places	State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO)	<input checked="" type="checkbox"/> SHPO consultation completed	<input type="checkbox"/>	<input type="checkbox"/>	Collocation Agreement applies: <input type="checkbox"/> Nationwide Agreement Exclusion applies: <input type="checkbox"/>
Indian Religious Sites	American Indian Tribes, Bureau of Indian Affairs	<input checked="" type="checkbox"/> Tribal consultation completed	<input type="checkbox"/>	<input type="checkbox"/>	Collocation Agreement applies: <input type="checkbox"/> Nationwide Agreement Exclusion applies: <input type="checkbox"/>
Floodplain	Federal Emergency Management Agency (FEMA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wetlands & Surface Waterways	USF&WS NWI Maps US Army Corps of Engineers (ACOE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Signature:  Company: EBI Consulting

Print name: Brian Hooper Date: July 2, 2009

APPENDIX B
FCC NEPA SUMMARY REPORT

**FCC NEPA Summary Report
(47 CFR Subpart 1, Chapter 1, Sections 1.1301-1.1319)**

	Site type (<i>choose one</i>): <input checked="" type="checkbox"/> Raw land <input type="checkbox"/> Tower colo <input type="checkbox"/> Other colo <input type="checkbox"/> Tower Replacement	Site ID: CTNH808A/ Amtrak Madison	Site Address: 7 Orchard Park Road, Madison, Connecticut

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

According to a review of the Land Resources Map (Appendix F) and the Department of Agriculture's list of wilderness areas (<http://www.wilderness.net/index.cfm?fuse=NWPS>), the Project Site is not located in an officially designated wilderness area. In addition, according to EBI's review of available on-line resources, the Project Site is not located in a National Park (www.nps.gov/gis), NPS Interactive Map Center), a designated Scenic and Wild River (<http://www.rivers.gov/wildriverslist.html>), a land area managed by the Bureau of Land Management (www.blm.gov/nhp/facts/index.htm), or within 1 mile of a National Scenic Trail as identified by the National Park Service (http://www.nps.gov/ncrc/programs/nts/nts_trails.html).

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

According to a review of the Land Resources Map (Appendix F), the Project Site is not located in an officially designated wildlife preserve. In addition, according to EBI's review of available on-line resources, the Project Site is not located in a US Fish and Wildlife Service National Wildlife Refuge (<http://www.fws.gov/refuges/refugeLocatorMaps/index.html>).

3. Will the antenna structure likely affect threatened or endangered species or designated critical habitats? (Ref. 50 CFR Part 402)

According to a review of the Land Resources Map (Appendix F), no identified threatened or endangered species habitats or designated critical habitats are located in the vicinity of the Project Site.

Based on a review of the Land Resources Map (Appendix F) and the Connecticut Department of Environmental Protection Natural Diversity Data Base (NDDB) the Project Site is not within an area that has a potential to impact state and federal listed species or significant natural communities.

In addition, based on the information currently available to us, provided by the U.S. Fish and Wildlife Service (USFW) dated January 2, 2009, and a review of the listed endangered species for Connecticut, two federally listed endangered or threatened species was identified in the Town of Madison. The following table compares the species habitat and the conditions at the Project Site:

Listing	Status	Species Habitat	Project Site Habitat	Determination of Effect
Piping Plover	Federally Threatened	Coastal beaches	Cleared area with sparse ground vegetation surrounded by a wooded area and self storage facility.	No Effect- no coastal beaches at Project Site
Roseate Tern	Federally Endangered	Coastal Beaches, islands and the Atlantic Ocean	Cleared area with sparse ground vegetation surrounded by a wooded area and self storage facility	No Effect- no coastal beaches at Project Site

Based on the characteristics of the Project Site and vicinity, it is EBI's opinion that:

- a.) The project will not significantly affect listed and proposed species (based on data reviewed, site reconnaissance, and comparison of habitat present with habitat necessary to support species);
- b.) The referenced facility is not located in an officially designated wilderness area, and;
- c.) The referenced facility is not located in an officially designated wildlife preserve.

Therefore, based on information dated January 2, 2009 provided by the USFW, further consultation with the office is not warranted. Copies of this correspondence are included in Appendix G.

Additionally based upon the proposed design (monopole) and height (under 199 feet AGL) it is unlikely that the proposed telecommunications installation would adversely impact migratory bird species protected under the Migratory Bird Treaty Act and the Endangered Species Act. Therefore, EBI concludes that the proposed project is unlikely to affect threatened or endangered species.

4. Will the antenna structure affect districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP)? (Ref. 36 CFR Part 800 regulations implementing Section 106 of the National Historic Preservation Act).

EBI reviewed the proposed project plans against the Exclusions of the *Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process* (NPA). EBI concluded that the proposed tower construction does not meet any of the Exclusions listed in Section III of the NPA. Therefore, consultation with the Connecticut State Historic Preservation Officer (SHPO) was required.

Based on EBI's review the map of Known Cultural Resources provided by Heritage Consultants, LLC, one Historic Property was identified within the ½-mile Area of Potential Effect (APE) for visual effects of the proposed tower.

Additionally, EBI contracted Ms. Catherine M. Labadia, President and Principal Investigator, of Heritage Consultants, LLC to perform an evaluation of the proposed Project Site for the likelihood of containing archaeological resources. Ms. Labadia concluded concludes that archeological resources are not expected to be impacted by the construction of the proposed tower and installation of associated support equipment at the Project Site.

EBI submitted project plans, the results of the archaeological survey, and a request for comment on FCC Form 620 to the Connecticut Commission on Culture and Tourism (the "SHPO") on January 7, 2009. In correspondence dated January 9, 2009, the SHPO concurred with our determination, stating that "the proposed undertaking will have no effect on historic, architectural, or archaeological resources listed or eligible for the National Register of Historic Places" (Appendix D).

In the unlikely event that unanticipated Historic Properties, cultural artifacts, archeological deposits, or human remains are inadvertently encountered during the proposed construction and associated excavation activities, *T-Mobile* must halt activities immediately and contact the appropriate local officials and state agencies, in accordance with Federal and State regulations (36 CFR 800.13(b)).

5. Will the antenna structure affect Indian religious site(s)

Based on the requirements of the *Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process* (NPA), Tribal consultation was required for this project because the proposed tower construction did not meet Exclusions A, B, C or F of the NPA.

EBI submitted documentation regarding the proposed project to the FCC's Tower Construction Notification System (TCNS). On November 21, 2008 the FCC's TCNS sent the project information to Tribes listed on their database who have interest in the state in which the project is planned. Additionally, EBI submitted follow-up requests for comment to each of the Tribes indicated by the TCNS to have a potential interest in the area of the project.

Tribal communication to date for this project is summarized in the following table.

Tribe Name	Initial Notification (via TCNS)	Response to Initial Contact	Second Contact Attempt	Response to Second Attempt	Third Contact Attempt	Response to Third Attempt	Action Recommended
Mashantucket Pequot Tribe	November 21, 2009	Request Phase 1 Archaeological Survey	Email (November 25, 2008)	Project Cleared	NA	NA	No Further Action
Narragansett Indian Tribe	November 21, 2009	Wish to Consult	December 9, 2009 (Overnight Mail)	None	January 15, 2009; January 26, 2009; May 15, 2009; June 5, 2009 (Overnight Mail)	Project Cleared	No Further Action

Please note, in the unlikely event that unanticipated Historic Properties, cultural artifacts, archeological deposits, or human remains are inadvertently encountered during the proposed construction and associated excavation activities, *T-Mobile* must halt activities immediately and contact the appropriate tribal governments, local officials and state agencies, in accordance with Federal and State regulations (36 CFR 800.13(b)).

Correspondence between EBI and the Tribes that includes copies of the Tower Construction Notification System emails, follow-up correspondence, and Tribal responses are appended to this *Report* (Appendix E).

6. Will the antenna structure be located in a floodplain? (Ref. Executive Order 11988 and 40 CFR Part 6, Appendix A)

According to the FEMA Flood Insurance Rate Map data for Madison, Connecticut (Community Map #090079, Panel #001C) included on the Land Resources Map (Appendix F), the Project Site is not located within a 100-year floodplain. A review of the Flood Insight Flood Zone determination (Appendix I) confirmed that the Project Site is not located within a floodplain.

7. Will construction of the antenna structure involve significant change in surface features (e.g. wetlands, deforestation, or water diversion)? (Ref. Executive Order 11990 and 40 CFR Part 6, Appendix A)

It is EBI's opinion that no documented or potential wetlands are located at the proposed tower based upon the following facts:

- Limited or no hydric vegetation was observed at the tower site. Additionally, no surface water was observed at the proposed tower site.
- Review of the U.S. Department of the Interior, Fish & Wildlife Service's National Wetland Inventory (NWI) Map (available online at <http://wetlandsfws.er.usgs.gov/>) indicates that the Project Site is located near a Freshwater Forested/Shrub Wetland area (PFO5/UBH). Additionally, EBI observed visual evidence of potential wetland areas approximately 100 feet southwest of the proposed tower compound. Of note, wetlands approvals for the on-site self-storage buildings adjacent to the Project Site were on file at the Madison Land Use Office.

The area proposed to be occupied by T-Mobile consists of cleared land surrounded by a wooded area and self-storage facility. The proposed construction plans do not call for the removal of mature trees; therefore, the proposed installation will not result in deforestation.

According to the proposed construction plans and onsite observations, surface water body diversion will not occur.

8. Is the antenna structure located in a residential neighborhood and required to be equipped with high intensity white lights?

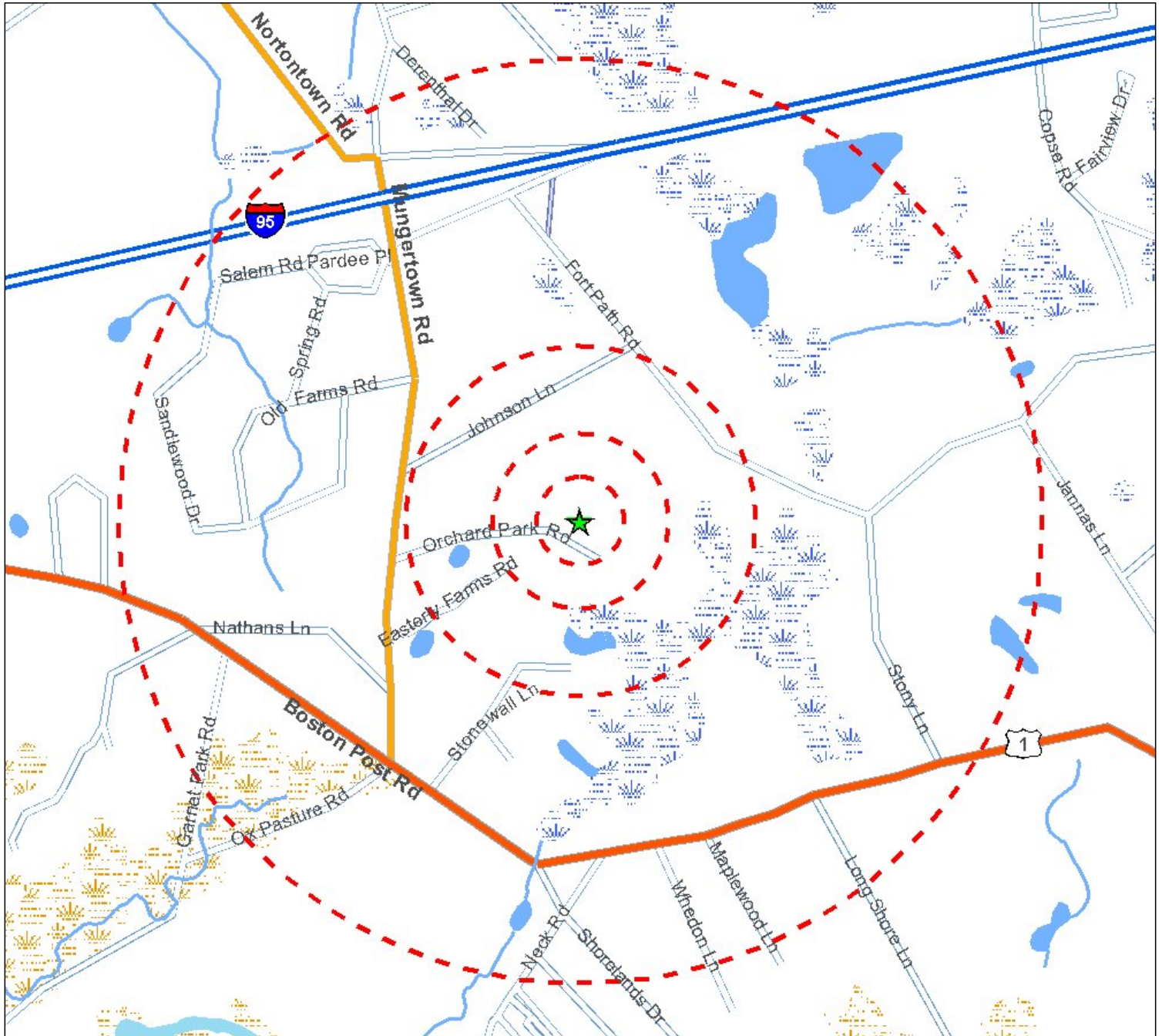
According to client representatives and site plans, the proposed installation will not include high intensity white lights and be located in a residential neighborhood.

9a. Will the antenna structure equal or exceed total power (of all channels) of 2000 Watts ERP (3280 EIRP) and have antenna located less than 10 meters above the ground?

9b. Will the rooftop antenna project equal or exceed total power (of all channels) of 2000 Watts ERP (3280 EIRP)?

An evaluation to determine whether radiofrequency (RF) emissions standards are met was not included as part of this *Report*. EBI understands that client representatives will evaluate the project to ensure compliance with applicable RF standards.

APPENDIX C
FIGURES, DRAWINGS, AND MAPS



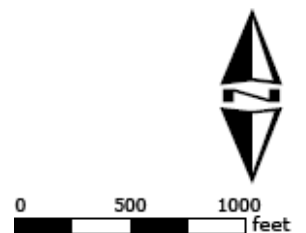
Legend

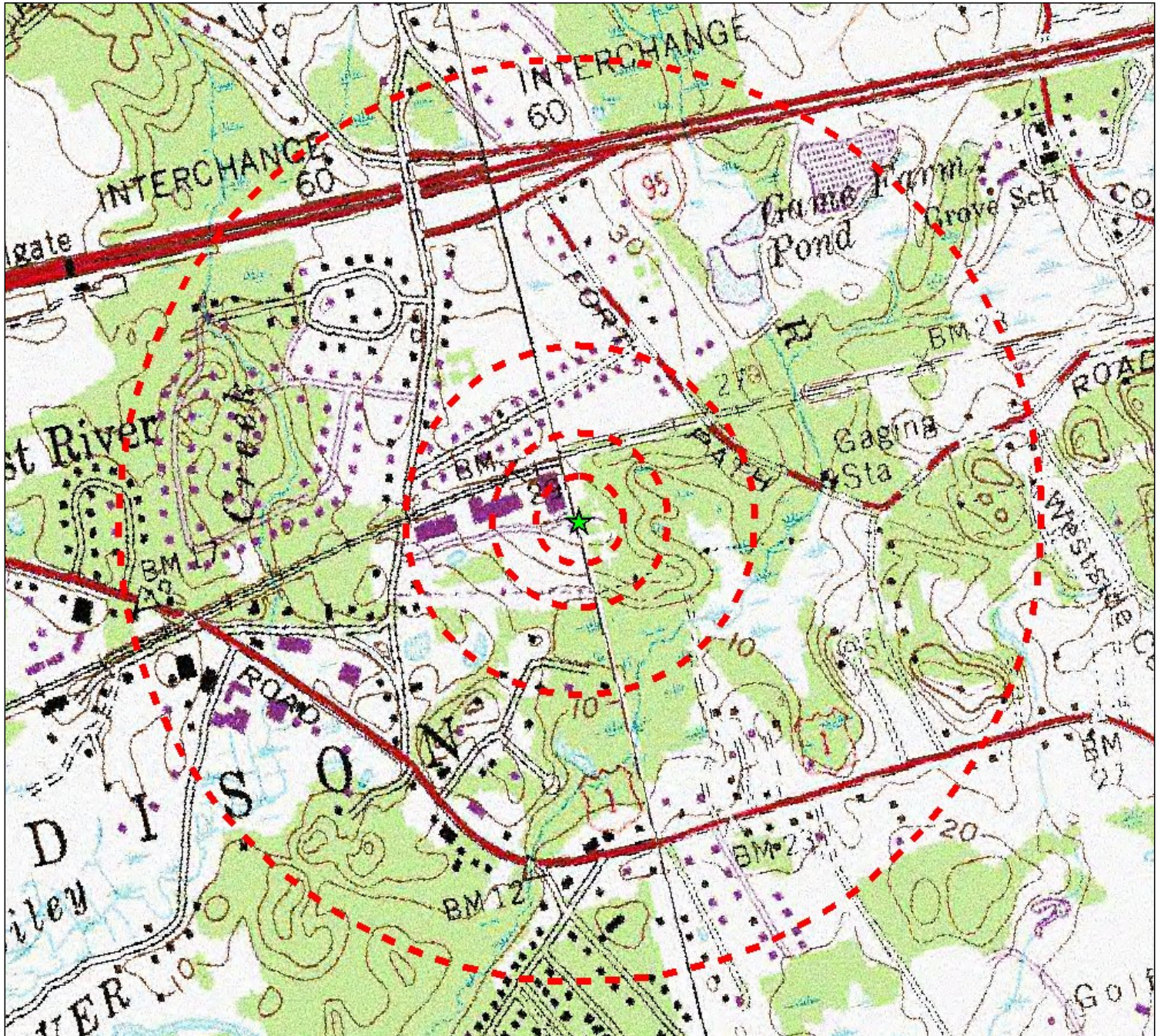
- ★ Project Site
- Site Buffer at 250', 500', 1000' and 1/2 mile

Source: Selected data from ESRI, EBI and NWI

Figure 1 - Site Location Map

CTNH808A/Amtrak Madison
7 Orchard Park Road
Madison, CT 06442-2273





Legend

- ★ Project Site
- ▭ Site Buffer at 250', 500', 1000' and 1/2 mile

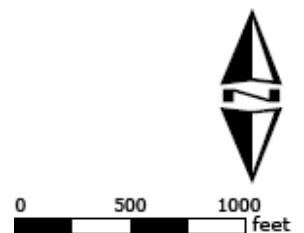
USGS 24k Quad: Guilford, CT 1985 and Clinton, CT 1985

Source: Selected data from ESRI, EBI and USGS

Figure 2 - USGS Quad Location Map

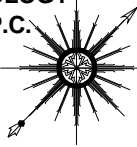
CTNH808A/Amtrak Madison
7 Orchard Park Road
Madison, CT 06442-2273

PN: 61087296



ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE
KILLINGWORTH, CT, 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
www.allpointstech.com



APT FILING NUMBER: CT-255T-340

LE-2

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 10/31/08

CHECKED BY: SMC

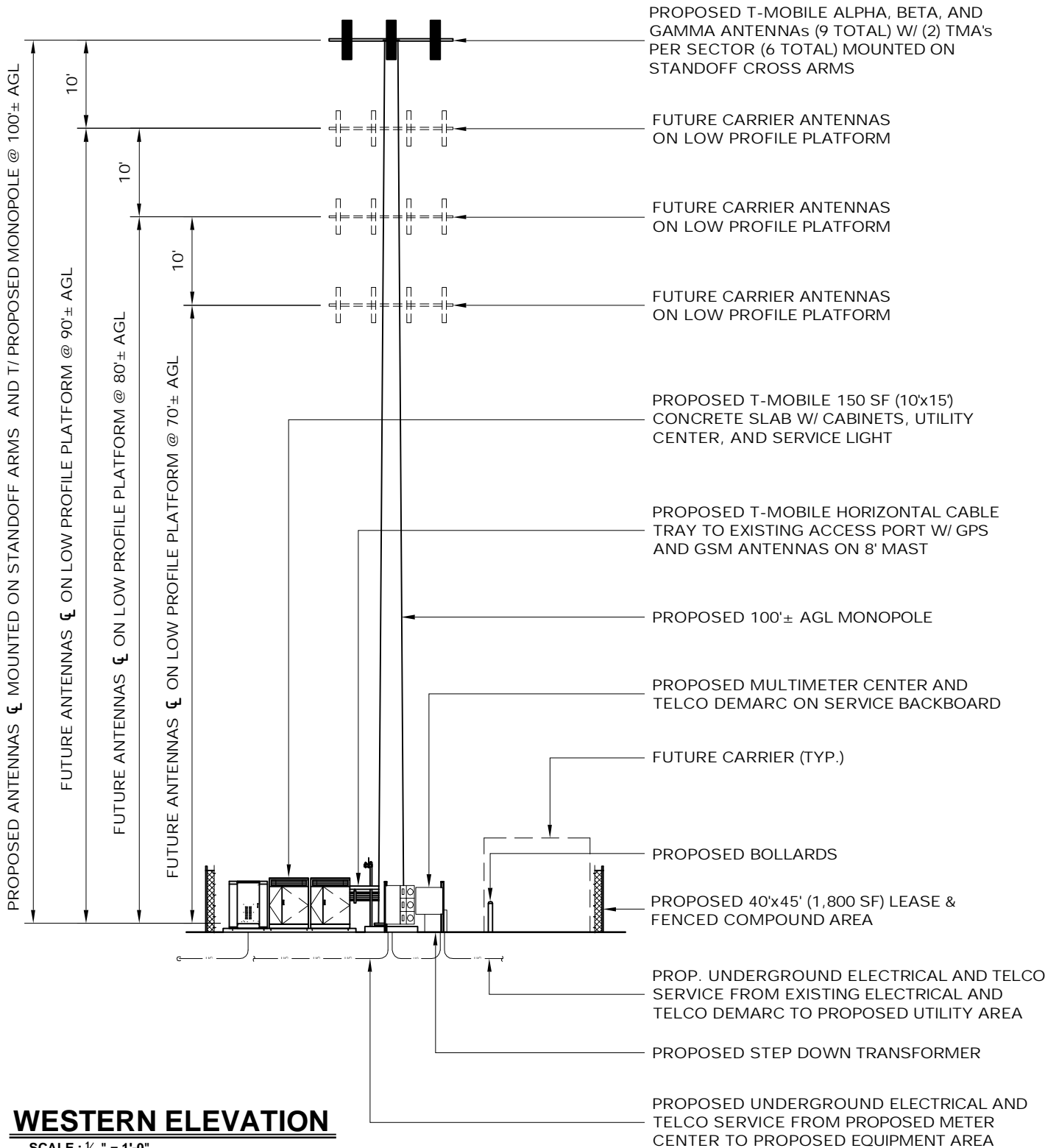


**T-MOBILE SITE NUMBER
CTNH808A**

**AMTRAK MADISON
7 ORCHARD PARK ROAD
MADISON, CT 06443-2273**

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

NOTE:
PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. OMNIPPOINT COMMUNICATIONS INC. IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. OMNIPPOINT COMMUNICATIONS INC. RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.
ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.




WESTERN ELEVATION

SCALE : 1/16" = 1'-0"

APPENDIX D
NPA CHECKLIST AND SHPO CORRESPONDENCE

APPLICABILITY OF NATIONWIDE PROGRAMMATIC AGREEMENT FOR REVIEW OF EFFECTS ON HISTORIC PROPERTIES (NPA)

	Site type (<i>choose one</i>): <input checked="" type="checkbox"/> Raw land <input type="checkbox"/> Tower colo <input type="checkbox"/> Other colo <input type="checkbox"/> Tower Replacement	Site ID: CTNH808A/ Amtrak Madison	Site Address: 7 Orchard Park Road, Madison, Connecticut
---	--	---	---

- Enhancement of a Tower (Exclusion A)**
 Yes No Will the proposed action consist of a collocation as defined by the NPA?
 Yes No Will the proposed action create a "substantial increase" in the size of the tower?
- Construction of a Replacement Tower (Exclusion B)**
 Yes No Can the proposed replacement tower be considered a "substantial increase" in height, mass, or size in relation to the existing tower located at the site?
 Yes No Could the proposed replacement tower increase the boundaries of the owned or leased area surrounding the existing tower by more than thirty feet?
 Yes No Will construction of the proposed replacement tower involve excavation outside of a thirty-foot radius from the edge of owned or leased area or outside existing access or utility easements?
 Yes No If the existing tower was constructed after March 16, 2001, has the tower NOT undergone Section 106 review?
- Construction of temporary communications tower or facility (Exclusion C)**
 Yes No Will the temporary installation involve excavation of soils?
 Yes No Will the temporary installation be in operation for more than twenty-four months?
- Construction of Tower within strip mall, shopping center, or industrial park (Exclusion D)***
 Yes No Will the proposed tower be over 200 feet in height?
 Yes No Will the proposed tower be located in a locally designated industrial park, strip mall, or shopping center that occupies less than 100,000 square feet?
 Yes No Is the locally designated industrial park, strip mall, or shopping center located within the boundaries of or within five hundred feet of a historic property?
- Construction of a Tower at or near utility transmission corridors (Exclusion E)***
 Yes No Will the proposed tower be located outside of or beyond fifty feet of a right-of-way designated by Federal, State, local, or Tribal governments as a location for communications towers or utility transmission and distribution lines?
 Yes No Could the proposed tower be considered a "substantial increase" in height, mass, or site in relation to existing towers or utility transmission and distribution lines located that the site?
 Yes No Will the proposed tower be located within the boundaries of a historic property?
- Construction of a Tower in a SHPO/THPO permitted zone (Exclusion F)**
 Yes No Will the construction of the tower occur outside of an area designated by the SHPO and/or THPO for the construction of communications towers and associated facilities?

- Collocation of antennas on tower constructed on or before March 16, 2001 (Stipulation IIIA)**
 Yes No Will the collocation result in a substantial increase in the size of the tower?
 Yes No Has the FCC determined that the tower has, or potentially has, an "adverse effect" on historic properties?
 Yes No Is the tower pending environmental review before the FCC involving compliance w/Sec. 106?
 Yes No Has the licensee or tower owner received notification of complaint from the public, SHPO, or Council that the collocation will have an adverse effect on historic properties?
- Collocation of antennas on tower constructed after March 16, 2001 (Stipulation IVA)**
 Yes No Has the tower NOT undergone Section 106 review?
 Yes No Will the collocation result in a substantial increase in the size of the tower?
 Yes No Has the FCC determined that the tower has or will have, or potentially has or will have, an "adverse effect" on historic properties?
 Yes No Has the licensee or tower owner received notification of complaint from the public, SHPO, or Council that the collocation will have an adverse effect on historic properties?
- Collocation of antennas on buildings/non-tower structures (Stipulation VA)**
 Yes No Is the building/structure over 45 years old?
 Yes No Is the building/structure located within a historic district, or located within 250 feet of and visible from the ground level of a historic district?
 Yes No Is the building/structure a National Historic Landmark, or listed or eligible for listing on the National Register of Historic Places?
 Yes No Has the licensee received notification of complaint from the public, SHPO, or Council that the collocation will have an adverse effect on historic properties?

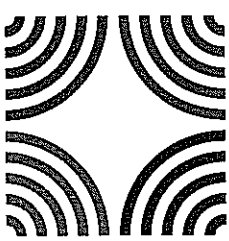
If any questions were answered "Yes" or if No Exclusions Apply: The proposed telecommunications installation does not meet the criteria and stipulations set forth in the NPA. Therefore, consultation with the applicable SHPO is required in accordance with 47 CFR Part 1.1301-1.1319 of the Federal Communications Commission regulations. In addition, consultation with any Indian Tribe or NHO that attaches significance to the site or area must be completed.

If all questions were answered "No": The telecommunications installation meets the criteria and stipulations set forth in the NPA. Therefore the telecommunications installation is recognized to have minimal or no adverse effect on historic properties, and review of the project by the applicable SHPO is not required.
 *However, for projects meeting **Exclusions D or E**, consultation with any Indian Tribe or NHO that attaches significance to the site or area must be completed.

Representatives provided the answers to the above questions to EBI from both the collocation licensee and the tower owner to the best of their actual knowledge and in good faith.

T-Mobile	Hans Fiedler	860-692-7123	11/4/2008
FCC Licensee	Contact	Phone number	Date contacted
Connecticut Commission on Culture and Tourism: file review			11/20/2009
Regulatory Offices			Date contacted
Madison Assessor's Office:	Public permits & files		11/20/2008
Regulatory Offices			Date contacted

Connecticut Commission on Culture & Tourism



January 9, 2009

Historic Preservation
and Museum Division

One Constitution Plaza
Second Floor
Hartford, Connecticut
06103

860.256.2800
860.256.2763 (f)

Ms. Alexis Godat
EBI Consulting
21 B Street
Burlington, MA 01803

Subject: Telecommunications Facilities
7 Orchard Park Road
Madison, CT
EBI #61087296, CTNH808A

Dear Ms. Godat:

The State Historic Preservation Office has reviewed the above-named project. This office expects that the proposed undertaking will have no effect on historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places.

This office appreciates the opportunity to have reviewed and commented upon the proposed undertaking.

This comment is provided in accordance with the National Historic Preservation Act and the Connecticut Environmental Policy Act.

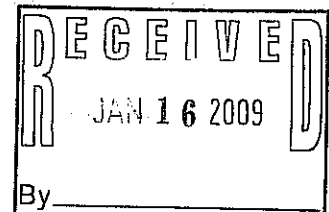
For further information, please contact Dr. David A. Poirier, Staff Archaeologist.

Sincerely,

David Bahlman
Deputy State Historic Preservation Officer

CONNECTICUT
www.cultureandtourism.org

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Equal Opportunity Employer



January 8, 2009

Mr. David Poirier, Staff Archaeologist
Connecticut Commission on Culture and Tourism
One Connecticut Plaza; Second Floor
Hartford, CT 06103

**Subject: Submission Packet, FCC Form 620, for proposed New Tower Project
7 Orchard Park Road, Madison, New Haven County, Connecticut 06442
Amtrak Madison/CTNH808A
EBI Project Number: 61087296**

Dear Mr. Poirier:

In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), the above-referenced telecommunications project is being evaluated by EBI for its potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP). Based on EBI's review of the characteristics and location of the proposed project, the project does not meet the exclusions stated in the "Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission," dated September 2004 ("Nationwide Agreement"); therefore, the project is required to undergo Section 106 review with the State Historic Preservation Office.

In accordance with the Nationwide Agreement, please find the attached Submission Packet, FCC Form 620, which presents the details on the proposed project as well as efforts that have been taken to identify, assess, and make determinations of effect on the impacts of the proposed project on Historic Properties.

We would appreciate your review of the data for the proposed project presented above and shown on the attached form and attachments. On behalf of *T-Mobile USA* I would appreciate your comments on this proposed telecommunications installation in a letter directed to the address noted above. Please do not hesitate to contact us if you have any questions or concerns on the proposed project or the information contained in this Submission Packet.

Sincerely,



Ms. Alexis Godat
Architectural Historian

Federal Communications Commission
Washington, DC 20554

New Tower ("NT") Submission Packet
FCC FORM 620
Introduction

The **NT Submission Packet** is to be completed by or on behalf of Applicants to construct new antenna support structures by or for the use of licensees of the Federal Communications Commission ("FCC"). The **Packet (including Form 620 and attachments)** is to be submitted to the **State Historic Preservation Office ("SHPO")** or to the **Tribal Historic Preservation Office ("THPO")**, as appropriate, before any construction or other installation activities on the site begin. Failure to provide the **Submission Packet** and complete the review process under Section 106 of the National Historic Preservation Act ("NHPA")¹ prior to beginning construction may violate Section 110(k) of the NHPA and the Commission's rules.

The instructions below should be read in conjunction with, and not as a substitute for, the "Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission," dated ____ 2004, ("Nationwide Agreement") and the relevant rules of the FCC (47 C.F.R. §§ 1.1301-1.1319) and the Advisory Council on Historic Preservation ("ACHP") (36 C.F.R. Part 800).²

Exclusions and Scope of Use

The NT Submission Packet should not be submitted for undertakings that are excluded from Section 106 Review. The categories of new tower construction that are excluded from historic preservation review under Section 106 of the NHPA are described in Section III of the Nationwide Agreement.

Where an undertaking is to be completed but no submission will be made to a SHPO or THPO due to the applicability of one or more exclusions, the Applicant should retain in its files documentation of the basis for each exclusion should a question arise as to the Applicant's compliance with Section 106.

The NT Submission Packet is to be used only for the construction of new antenna support structures. Antenna collocations that are subject to Section 106 review should be submitted using the Collocation ("CO") Submission Packet (FCC Form 621).

¹ 16 U.S.C. § 470f.

² Section II.A.9. Of the Nationwide Agreement defines a "historic property" as: "Any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian Organization that meet the National Register criteria."

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

General Instructions: NT Submission Packet

Fill out the answers to Questions 1-5 on Form 620 and provide the requested attachments. Attachments should be numbered and provided in the order described below.

For ease of processing, provide the Applicant’s Name, Applicant’s Project Name, and Applicant’s Project Number in the lower right hand corner of each page of Form 620 and attachments.³

1. Applicant Information

Full Legal Name of Applicant: T-Mobile USA

FCC Registration Number (FRN): _____

Name and Title of Contact Person: Hans Fiedler

Address of Contact Person (including Zip Code): 100 Filley Street, Bloomfield, CT 06002

Phone: 860-692-7123 Fax: n/a

E-mail address: hans.fiedler@t-mobile.com

2. Applicant's Consultant Information

Full Legal Name of Applicant's Section 106 Consulting Firm: EnviroBusiness Inc. d/b/a EBI Consulting

Name of Principal Investigator: Alexis Godat

Title of Principal Investigator: Architectural Historian

Investigator's Address: 21 B Street

City: Burlington State: MA Zip Code: 01803

Phone: 845-313-1217 Fax: 781-425-5167

E-mail Address: agodat@ebiconsulting.com

Does the Principal Investigator satisfy the Secretary of the Interior’s Professional Qualification Standards?⁴
 YES/NO.

Areas in which the Principal Investigator meets the Secretary of the Interior’s Professional Qualification Standards: Architectural Historian

³ Some attachments may contain photos or maps on which this information cannot be provided.

⁴ The Professional Qualification Standards are available on the cultural resources webpage of the National Park Service, Department of the Interior: <http://www.cr.nps.gov/local-law/arch_stnds_9.htm>. The Nationwide Agreement requires use of Secretary-qualified professionals for identification and evaluation of historic properties within the APE for direct effects, and for assessment of effects. The Nationwide Agreement encourages, but does not require, use of Secretary-qualified professionals to identify historic properties within the APE for indirect effects. See Nationwide Agreement, §§ VI.D.1.d, VI.D.1.e, VI.D.2.b, VI.E.5.

Applicant’s Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

Other “Secretary of the Interior qualified” staff who worked on the Submission Packet (provide name(s) as well as the area(s) in which they are qualified):

William Keegan, Archaeologist – Heritage Consultants, LLC

3. Site Information

a. Street Address of Site: 7 Orchard Park Road

City or Township: Madison

County / Parish: New Haven State: CT Zip Code: 06442

b. Nearest Cross Roads: Orchard Park Road / Mungertown Road

c. NAD 83 Latitude/Longitude coordinates (to tenth of a second):

N 41 ° 16 ' 59 "; W 72 ° 37 ' 27.6 "

d. Proposed tower height above ground level:⁵ 100 feet; 30.48 meters

e. Tower type:

Guyed lattice tower self-supporting lattice monopole

Other (briefly describe tower) _____

4. Project Status:⁶

a. Construction not yet commenced;

b. Construction commenced on [date] _____; or,

c. Construction commenced on [date] _____ and was completed on [date] _____

5. Applicant’s Determination of Effect:

a. Direct Effects (check one):

- i. No Historic Properties in Area of Potential Effects (“APE”) for direct effects;
- ii. “No effect” on Historic Properties in APE for direct effects;
- iii. “No adverse effect” on Historic Properties in APE for direct effects;
- iv. “Adverse effect” on one or more Historic Properties in APE for direct effects.

b. Visual Effects (check one):

- i. No Historic Properties in Area of Potential Effects (“APE”) for visual affects;
- ii. “No effect” on Historic Properties in APE for visual effects;
- iii. “No adverse effect” on Historic Properties in APE for visual effects;
- iv. “Adverse effect” on one or more Historic Properties in APE for visual effects.

⁵ Include top-mounted attachments such as lightning rods.

⁶ Failure to provide the Submission Packet and complete the review process under Section 106 of the NHPA prior to beginning construction may violate Section 110(k) of the NHPA and the Commission’s rules. See Section X of the Nationwide Agreement.

Applicant’s Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

Certification and Signature

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

Alexis Godat
Signature

January 8, 2009
Date

Alexis Godat
Printed Name

Architectural Historian
Title

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

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachments

Provide the following attachments in this order and numbered as follows:

Attachment I. Résumés / Vitae.

Provide a current copy of the résumé or curriculum vitae for the Principal Investigator and any researcher or other person who contributed to, reviewed, or provided significant input into the research, analysis, writing or conclusions presented in the Submission Packet for this proposed facility.

A current copy of the résumé for the Principal Investigator and any researcher or other person who contributed to, reviewed, or provided significant input into the research, analysis, writing or conclusions presented in the Submission Packet for this proposed facility is attached unless already on file with the SHPO office.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

SUMMARY OF EXPERIENCE

Ms. Godat is an Architectural Historian with experience conducting architectural field surveys, Section 106 and NEPA compliance documentation, and National Register Property Nominations. Ms. Godat meets the requirement for a historic consultant as specified in 36CFR61 by the Department of the Interior. She received a Masters degree in Historic Preservation from the University of Vermont, Burlington, Vermont. She received her Bachelors degree from the State University of New York at Geneseo, majoring in History. Ms. Godat has worked on various projects including a National Register of Historic Places nomination for the Lake Champlain Bridge; completing a comprehensive Archeological Resources Assessment for the Town of Jericho, Vermont and completing a survey of conditions and histories of the carriage barns and garages located on the University of Vermont campus.

Ms. Godat's duties at EBI include compliance documentation to ensure client's compliance with Federal Communications Commission (FCC) requirements under the National Environmental Policy Act (NEPA). Ms. Godat specializes in conducting cultural resources surveys, assessing National Register eligibility of historic structures and sites, and visual effects assessments. Ms. Godat focuses on compliance documentation needed for FCC Section 106 projects for EBI's wireless industry clients, including cellular/pcs companies, tower construction companies, and turnkey telecommunications network development companies.

RELEVANT PROJECT EXPERIENCE

EBI Consulting, Architectural Historian – Specializing in the Section 106 process required in the Telecommunications field

Lake Champlain Maritime Museum, Vergennes, VT, Conservation Lab Tech - Sketched, photographed and conserved both metal and wooden artifacts taken from both land and water sites around Vermont and New York, interacted with the public about the conservation techniques, the importance of conservation, and the invasive species of Lake Champlain

University of Vermont, Burlington, VT, Researcher - Worked as part of a team of three to create a report for Act 250 and conducted research into the history, current conditions, and treatment recommendation for carriage barns and garages on the University of Vermont campus

EDUCATION

Masters of Science- Historic Preservation

University of Vermont

Bachelors of Arts - History

State University of New York at Geneseo

PROFESSIONAL TRAINING

Section 106 Essentials Training taught by the Course Advisory Council on Historic Preservation, New York City, New York

VOLUNTEER EXPERIENCE

Adirondack Architectural Heritage, Researcher - Researched and documented (photographs) the Lake Champlain Bridge and formulated the National Register of Historic Places Nomination for the bridge

Town of Jericho, VT, Assessor - Part of a team of fourteen consultants who collected the necessary documentation for a comprehensive archaeological resource assessment for the Town of Jericho, VT. Data collected included analysis of historic and modern documents, such as census data and cemetery records, images, maps, archaeological and building surveys

Livingston County Historian's Office, Assistant to the Historian - Guided researchers to the proper sources with the office and helped to organize and move the office to a new location

New York State Parks, Recreation, and Historic Preservation, Assistant to the Site Historian - Helped maintain and document the archives at the site and researched the genealogical history of Mary Jemison, a person of local importance

PROFESSIONAL AFFILIATIONS

National Trust for Historic Preservation

Daughters of the American Revolution



WILLIAM F. KEEGAN

HISTORICAL GEOGRAPHER & GIS SPECIALIST

EDUCATION

Bachelor of Arts in Anthropology and Geography, University of Connecticut, Storrs, 1996

Master of Arts Candidate in Geography, University of Connecticut, Storrs (all but thesis)

Certificate in Geographic Information Systems, University of Connecticut, Storrs (application pending)

PROFESSIONAL EXPERIENCE

Partner, Heritage Consultants, LLC, April 2004 - Present

Partner, Keegans Associates, LLC, April 1997 - April 2004

Teaching Assistant, Department of Geography, University of Connecticut, Storrs, 2000-2001

PROFESSIONAL MEMBERSHIPS

- Archeological Society of Connecticut
- Northeast Arc Users Group
- Council for Northeastern Historic Archaeology

SPECIAL SKILLS

- Geographic Information Systems
- Cartography
- Archival, Cartographic, and Historical Research

INVITED LECTURES AND PUBLIC PRESENTATIONS

1994a *Census Records as a Source for Archeological Research.* Archeological Society of Connecticut.

1994b *Reconstructing the Enfield Shaker Site Through Census Records.* Annual Meeting of the Sons of the American Revolution, Connecticut.

1995a *The Enfield Shakers: Industry and Archaeology.* Boston Area Shaker Study Group.

1995b *Industry and Archaeology at the Shaker Village in Enfield.* Wadsworth Athenaeum, Hartford, Connecticut; associated with the exhibition *Shaker: The Art of Craftsmanship.*

- 1996 *Industry and Archaeology at the Shaker Village in Enfield*. East Granby Historical Society.
- 1997 *GIS Applications in Archaeology: Connecticut National Guard Project*. Conference for Northeast Archaeology, Altoona, Pennsylvania.
- 1998 *Archeological Site Locations and Characteristics in the Connecticut River Valley*. Prepared with Nicholas Bellantoni, Conn. State Archaeologist. Archeological Societies of Connecticut and Massachusetts.
- 1999 *Residence Patterns of Nineteenth Century Industrial Workers in Hartford, Connecticut*. Annual Northeast ARC Users Conference.
- 2001 *Planning for the Future, Dealing with the Past*. Annual meeting of the Connecticut Chapter of the American Planning Association.
- 2003 *Survey Methods and Results: Cultural Resources Along the Appalachian Trail in Connecticut*. With Nicholas Bellantoni, Connecticut State Archaeologist, and Kristen N. Keegan. Biannual meeting of the Appalachian Trail Conference.
- 2004a *Cultural Resources Along the Appalachian Trail in Connecticut: Survey Methods and Results*. With Nicholas Bellantoni, Connecticut State Archaeologist, and Kristen N. Keegan. Annual Meeting of the Society of American Anthropologists, Montreal.
- 2004b *Cultural Resources Along the Appalachian Trail in Connecticut: Survey Methods and Results*. With Nicholas Bellantoni, Connecticut State Archaeologist, and Kristen N. Keegan. Annual Meeting of the Archeological Society of Connecticut.
- 2004c *Data Recovery Excavations at the Daniel Benton Homestead in Tolland, Connecticut*. With Catherine Labadia and David George. Presented at the Town of Tolland, Connecticut Celebration on the Green.

A SAMPLE OF PUBLICATIONS, TECHNICAL MONOGRAPHS, AND RESEARCH PROJECTS

- 1995a Illustration maps in *Achieving Racial Balance: Case Studies of Contemporary School Desegregation* by Sondra Astor Stave. Contributions to the Study of Education, Number 65. Westport, Connecticut: Greenwood Press.
- 1995b History and Geography of the Enfield Shaker Community, Enfield, Connecticut. Research reports prepared for Office of State Archaeology.
- 1995c History and Geography of the Meriden School for Boys Cemetery, Meriden, Connecticut. Research reports prepared for the Office of State Archaeology.
- 1995d History of the Huntington Family Home, Scotland, Connecticut. Research reports prepared for Dr. Harold Juli of Connecticut College.
- 1997a History and Geography of Ashford project area (archeological reconnaissance survey). Prepared for Archeological Research Specialists.
- 1997b History and Geography of Wolf Rocks project area, Rhode Island (archeological reconnaissance survey). Prepared for Archeological Research Specialists.
- 1998a Illustration maps in *The Boys From Rockville*, Robert L. Bee, ed. Knoxville, Tennessee: University of Tennessee Press.

- 1998b *Historical and Cultural Reconnaissance Survey, Cultural Resource Management Plan, Connecticut National Guard Properties, Camp Rowland, Camp Hartell, Stone's Ranch* [Windsor Locks, East Lyme, and Lyme, Connecticut]. Prepared for the Office of Connecticut Archaeology.
- 1998c *Camp Rowland Historical Report: An Overview of Town History, Military History, and Landholdings* [East Lyme, Connecticut]. Prepared for Archeological Research Specialists, Inc. and United International Corporation.
- 1998d Preparation of GIS map series for use in Route 11 archeological reconnaissance survey, Connecticut. Prepared for PAST, Inc.
- 1998e Development of GIS data layer of open space in the Town of Willington, Connecticut. Prepared for Town of Willington.
- 1999a Contributing co-editor, *The Archaeology of Connecticut: The Human Era, 11,000 Years Ago to the Present*. Storrs, Connecticut: Bibliopola Press; Hanover, NH: New England University Press.
- 1999b Historical materials in *Phase I Archeological Reconnaissance Survey, Long Lane School, Middletown, Connecticut*. Prepared for PAST Inc.
- 1999c Historical and cartographic research reports for archeological surveys in Seymour and Killingworth, Connecticut. Prepared for American Cultural Specialists, Inc.
- 1999d Development of GIS data layers of Hartford architectural resources. Prepared for Connecticut Historical Commission.
- 1999e Cartographic research in support of archeological survey of Adriaen's Landing Development, Hartford, Connecticut. Prepared for PAST, Inc.
- 1999f Historical research and mapping of General Rochambeau march routes in Connecticut. Prepared for PAST, Inc.
- 1999g Cartographic research on property of Talcott Mountain Science Center, Avon, Connecticut. Prepared for Talcott Mountain Science Center.
- 2000a *Archeological Reconnaissance Survey: Cell Tower Connecticut33XC021-3 (located south of Bull Road and west of Plymouth Road), Harwinton, Connecticut*. Prepared for Vanasse, Hangen, Brustlin Inc.
- 2000b Historical and cartographic research reports for archeological surveys in Glastonbury, Newtown, and Windham, Connecticut. Prepared for American Cultural Specialists, Inc.
- 2000c Development of GIS data layers of cultural resource locations in East Hartford, Connecticut. Prepared for Town of East Hartford, Connecticut.
- 2000d Cartographic research on Newtown and Monroe town boundary. Prepared for Surveying Associates, P.C.
- 2001a *Archeological Reconnaissance Survey: Cell Tower Site Connecticut33XC108-2, Goshen, Connecticut (416 Old Middle Street)*. Prepared for Vanasse, Hangen, Brustlin Inc.
- 2001b *Archeological Reconnaissance Survey: Cell Tower Site Connecticut33XC024-5 (located east of Looking Glass Hill Road), Litchfield, Connecticut*. Prepared for Vanasse, Hangen, Brustlin Inc.
- 2001c *Archeological Reconnaissance Survey: Cell Tower Site Connecticut33XC024-4, Litchfield, Connecticut*. Prepared for Vanasse, Hangen, Brustlin Inc.
- 2001d *Archeological Reconnaissance Survey: Cell Tower Site Connecticut33XC572-3, Woodstock, Connecticut*. Prepared for Vanasse, Hangen, Brustlin Inc.

- 2001e *Archeological Reconnaissance Survey: Cell Tower Site Connecticut54XC704, Voluntown, Connecticut.* Prepared for Vanasse, Hangen, Brustlin Inc.
- 2002a *Archeological Investigations at Herindeen Landing, Woodstock, Connecticut.* Prepared for Marc Banks.
- 2002b *Archeological Reconnaissance Survey: Fitts Road Cell Tower Site, Ashford, Connecticut.* Prepared for Tower Ventures, Inc.
- 2002c *Archeological Reconnaissance Survey: Sprint PCS Cell Tower Site #Connecticut33XC087-2 (located off of Rockland Road), Guilford, Connecticut.* Prepared for Vanasse, Hangen, Brustlin Inc.
- 2002d *Archeological Reconnaissance Survey: 72 Boggy Hole Road Cell Tower Site, Old Lyme, Connecticut.* Prepared for Vanasse, Hangen, Brustlin Inc. and Wireless Solutions LLC.
- 2002e *Archeological Reconnaissance Survey: Sprint PCS Site #Connecticut33XC612 (located at 576 Hamburg Road), Lyme, Connecticut.* Prepared for Vanasse, Hangen, Brustlin Inc.
- 2002f *Archeological Reconnaissance Survey, 148 Roberts Street Cell Tower Site, East Hartford, Connecticut.* Prepared for Vanasse, Hangen, Brustlin Inc.
- 2002g *Archeological Reconnaissance Survey: Farmstead Acres Project, New Milford, Connecticut.* Prepared for Artel Engineering Group.
- 2002h *Archeological Reconnaissance Survey: Sprint PCS #Connecticut54XC702A, Sprint PCS#54XC702B, Plainfield, Connecticut.* Prepared for Apex Environmental, Inc.
- 2002i *Archeological Reconnaissance Survey: Cell Tower Site Connecticut54XC771, Woodbury, Connecticut.* Prepared for Vanasse, Hangen, Brustlin Inc.
- 2002j *Archeological Reconnaissance Survey: Spring Cell Tower #Connecticut33XC613-D (located at 97 Chaplain Road), Eastford, Connecticut.* Prepared for Vanasse, Hangen, Brustlin Inc.
- 2002k *Archeological Reconnaissance Survey: Cell Tower Site Connecticut33XC587 (located at 175 Dibble Hill Road), Cornwall, Connecticut.* Prepared for Vanasse, Hangen, Brustlin, Inc.
- 2002l *Archeological Reconnaissance Survey: Cell Tower Connecticut-266.2, Monroe, Connecticut.* Prepared for GeoTrans, Inc.
- 2002m *Archeological Reconnaissance Survey: Liberty Croft Estates (located at Broadway and Joshua Lane), Coventry, Connecticut.* Prepared for Gardner & Peterson.
- 2002n *Archeological Reconnaissance Survey: Telecommunications Tower, #Connecticut-01513, Brooklyn, Connecticut.* Prepared for Tower Ventures, Inc.
- 2002o *Archeological Reconnaissance Survey: Cell Tower #Connecticut54XC717, Southbury, Connecticut.* Prepared for Vanasse, Hangen, Brustlin Inc.
- 2002p *Phase I Archeological Reconnaissance Survey for Stone's Ranch, East Lyme, Connecticut.* Prepared for Maguire Group, Inc.
- 2002q *Cartographic research for archeological reconnaissance survey of Goodspeed Opera House Expansion, East Haddam, Connecticut.* Prepared for American Cultural Specialists, Inc.
- 2002r *Archeological Reconnaissance Survey: Cell Tower Connecticut-462.3, Killingly, Connecticut.* Prepared for GeoTrans, Inc.

- 2003a *Archeological Reconnaissance Survey: Cell Tower Site Connecticut33XC577 (located at 165 South Main Street), Marlborough, Connecticut.* Prepared for Vanasse, Hangen, Brustlin, Inc.
- 2003b *Phase IA Reconnaissance Survey: Cell Tower Site Connecticut092, 370 North Avenue, Bridgeport, Connecticut.* Prepared for GeoTrans, Inc.
- 2003c *Phase IA Reconnaissance Survey: Cell Tower Connecticut11-307C, 82 Mechanic Street, Stonington, Connecticut.* Prepared for Lessard Environmental, Inc.
- 2003d *Archeological Reconnaissance Survey: Unnamed Wireless Communications Equipment Site, 496 Box Hill Road, Vernon, Connecticut.* Prepared for Vanasse, Hangen, Brustlin, Inc.
- 2003e *Archeological Reconnaissance Survey: Sprint Site #Connecticut33XC271 (170 Southeast Road, east of Spencer Road), New Hartford, Connecticut.* Prepared for Vanasse, Hangen, Brustlin, Inc.
- 2003f *Archeological Reconnaissance Survey: Sprint PCS Cell Tower #Connecticut33XC579, Farmington, Connecticut.* Prepared for Vanasse, Hangen, Brustlin, Inc.
- 2003g *Phase I Archeological Reconnaissance Survey: Connecticut-11-357C (cell phone tower site on the west side of Umpawaug Road, 500 feet east of the Saugatuck River), Redding, Connecticut.* Prepared for Vanasse, Hangen, Brustlin, Inc.
- 2003h *Phase I Archeological Reconnaissance Survey: Connecticut33XC583 (cell tower site located south of Palmer Road, midway between the villages of Chaplin and South Chaplin), Chaplin, Connecticut.* Prepared for Vanasse, Hangen, Brustlin, Inc.
- 2003i *Archeological Reconnaissance Survey: Knowlton Farm Cell Tower Site, Ashford, Connecticut.* Prepared for Tower Ventures, Inc.
- 2003j *Preliminary Phase IA Archeological Reconnaissance Survey of Property on Westcott Road, Killingly, Connecticut.* Prepared for Clough, Harbour & Associates.
- 2003k Historical Research and Reporting and GIS services for ATC project in Windsor Locks, Connecticut. Prepared for R. Christopher Goodwin & Associates, Inc.
- 2004a *Phase Ia Cultural Resource Sensitivity Assessment: Proposed Valley Road Development, Killingly, Connecticut.* Prepared for R. A. Daddario Builders.
- 2004b *Archeological Reconnaissance Survey: Moosup Pond Sewer Project, MGI No.: 15892, Phase IA and Phase IB, Plainfield, Connecticut.* Prepared for Maguire Group, Inc.
- 2004c *Phase I Cultural Resources Reconnaissance Survey of Proposed Sprint PCS Wireless Communications Facility Numbers CT-11-390-G and CT-11-390-J, North Branford, Connecticut (with Catherine Labadia and David George).* Submitted to Vanasse Hangen Brustlin, Inc., Middletown, Connecticut.
- 2004d *Phase I Cultural Resources Reconnaissance Survey of Proposed AT&T Wireless Communications Facility Numbers CT-668-A and CT-668-B, Madison, Connecticut (with Catherine Labadia and David George).* Submitted to Vanasse Hangen Brustlin, Inc., Middletown, Connecticut.
- 2004e *Historic Research and Building Documentation of the Hanford House, 180-182 Main Street, Bridgeport, Connecticut. (with Catherine Labadia and David George).* Submitted to Vanasse Hangen Brustlin, Inc., Middletown, Connecticut.
- 2004f *Phase I Cultural Resources Survey and Archeological Inventory of a 8.09 ha (20 ac) Project Parcel Associated with the Proposed Fieldstone Commons Commercial Development, Tolland, Connecticut.* Submitted to Prospect Enterprises Hartford, Connecticut.

- 2004g *Phase I Cultural Resources Reconnaissance Survey of the Proposed Rockville Bank Branch Office Location, Tolland, Connecticut.* Submitted to Rockville Bank, South Windsor, Connecticut.
- 2004h *Phase I Cultural Resources Reconnaissance Inventory of a Proposed Housing Subdivision in Goshen, Connecticut.* Submitted to Henne Development, Southbury, Connecticut.
- 2004i *Archeological Investigation of Stone Piles Located on a 16.8 ha (41.5 ac) parcel of land in Stafford, Connecticut.* Submitted to Vanasse Hangen Brustlin, Inc., Middletown, Connecticut.
- 2004j *Phase IA Cultural Resources Assessment Survey of a Proposed Housing Subdivision at 25 Starrs Ridge Road in Redding, Connecticut.* Submitted to Mr. Jason Addison.
- 2004k *Connecticut State Historic Preservation Office Project Submittal for the Proposed Pine Meadow Senior Rental Facility, Windsor Locks, Connecticut.* Submitted on behalf of Fahey, Landolina & Associates, Inc.



CATHERINE M. LABADIA, M.A.

PRESIDENT & PRINCIPAL INVESTIGATOR

EDUCATION

Bachelor of Arts in Anthropology with specialization in archeology, Central Connecticut State University, New Britain, Connecticut, 1991

Master of Arts in Anthropology with specialization in archeology, University of Connecticut, Storrs, Connecticut, 1996

Ph.D. Candidate, Department of Anthropology, Pennsylvania State University, University Park, Pennsylvania

Introduction to Federal Projects and Historic Preservation Law, Section 106 Compliance Course, 2001

NEPA and the Transportation Decision Making Process, 2003

Federal Energy Regulatory Commission, Environmental Report Preparation Seminar, 2003

ACADEMIC AWARDS AND FELLOWSHIPS

Town of Windsor, Connecticut - Research Support, 1998

Sigma Xi, Grant in Aid of Research, 1998

University of Connecticut Anthropology Department Pre-Doctoral Fellowship, 1995

Central Connecticut State University Anthropology Departmental Honors Award, 1991

State of Connecticut Academic Scholarship, 1988-1991

PROFESSIONAL EXPERIENCE

Principal Investigator, Heritage Consultants, LLC, April 2004 - Present.

Project Manager, R. Christopher Goodwin & Associates, Inc., New Orleans, Louisiana, November 1999-2004

Research Assistant, R. Christopher Goodwin & Associates, Inc., New Orleans, Louisiana, April-November 1999

Principal Investigator/Field Supervisor, Town of Windsor, Connecticut, May-July 1998

Principal Investigator/Field Supervisor, Town of Lynne, Connecticut, July-September 1998

Staff, Matson Museum of Anthropology, University Park, Pennsylvania, 1997-1998

Teaching Assistant, Pennsylvania State University, Department of Anthropology, 1996-1998

Undergraduate Laboratory Supervisor, Pennsylvania State University, Department of Anthropology, Fall 1997 and Fall 1996

Teaching Assistant, University of Connecticut, Department of Anthropology, 1994-1996

Crew Chief, Connecticut Office of the State Archaeologist, 1996

Lab Assistant, Mashantucket Pequot Museum Conservation Lab, Ledyard, Connecticut, 1993-1996

Field Technician/Lab Technician, Public Archaeology Survey Team, Inc., 1993-1996

Research Assistant, University of Connecticut, Department of Anthropology, Spring 1995

PROFESSIONAL MEMBERSHIPS

- Society for American Archaeology

TRAINING AND SPECIAL SKILLS

- Environmental Impact Statement/Environmental Assessment Report Preparation
- Alternatives Analysis/Corridor Selection Studies
- Existing Conditions/Disturbance Investigations
- SHPO/Native American Consultation
- Geologic Thin-sectioning
- Computer Skills: Systat, Minitab, Surfer, Paradox, Corel Office, Microsoft Office, Adobe Photoshop, and DOS-based and Unix-based operations
- GIS Skills: ArcInfo, ArcView, ArcGIS, MapInfo, Idrisi, AutoCad, digitizing, and GPS units
- Photography
- Transit Operation
- Non-computer Aided Drafting
- Laboratory Skills: Artifact stabilization and conservation
- World Wide Web design and authoring

GRAPHICS PUBLISHED

1998 AutoCad images of the Read Shell Mound contours, burials, and artifacts (Figures 4 and 5). In G. Milner and R. Jeffries' Read Archaic Shell Mound in Kentucky. *Southeastern Archeology*.

- 1998 AutoCad images of Cahokia. In G. Milner's *The Cahokia Chiefdom: The Archeology of a Mississippian Society*. Smithsonian Series in Archeological Inquiry.

INVITED LECTURES & PRESENTATIONS

- 2004 *Data Recovery Excavations at the Daniel Benton Homestead in Tolland, Connecticut*. With Catherine Labadia and David George. Presented at the Town of Tolland, Connecticut's Celebration on the Green.

A SAMPLE OF PUBLICATIONS, TECHNICAL REPORTS, AND PAPERS PRESENTED

- 1997a *The Read Shell Midden: Site Formation and Structure*. Paper presented at the Southeastern Archeological Conference, Baton Rouge, Louisiana (with G. Milner and R. Jeffries).
- 1997b *The Mississippian Period Population of Cahokia and the American Bottom*. Delivered at the joint symposium of the Ontario Archeological Society and the Midwest Archaeological Conference, North York, Ontario.
- 1998 *Migration and the Maintenance of Cultural Integrity: The Linearbandkeramik as a Case Study*. Delivered at the 63rd annual meeting of the Society for American Archeology, Seattle, Washington.
- 1999a *Formulating and Testing Archaeological Predictive Models using a Geographic Information System*. Delivered at the 64th annual meeting of the Society for American Archaeology, Chicago Illinois.
- 1999b *Phase I Cultural Resources Survey of SR 30 (US 98) Retention Ponds 3 and 4; State Project No.: 48280-3510, Escambia County, Florida* (with Randy Lichtenberger, Ralph Draughon, Angele Montana, William P. Athens and Letisha Leucking). Submitted by R. Christopher Goodwin & Associates, Inc. to the Florida Department of Transportation, District III.
- 1999c *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed SR 30 (US 98) Thomas Drive Intersection Project; State Project No.: 46010-1537, Bay County, Florida* (with Randy Lichtenberger, Susan Barrett Smith and William P. Athens). Submitted by R. Christopher Goodwin & Associates & Inc. to the Florida Department of Transportation, District III.
- 1999d *Phase I Cultural Resources Survey and Archeological Inventory of Five Proposed Retention Ponds Adjacent to SR77* (with Cove Boulevard/Martin Luther King Boulevard), Bay County, Florida (with Randy Lichtenberger, Susan Barrett Smith, Charlene Keck and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to the Florida Department of Transportation, District III.
- 1999e *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed US 90 (SR 10) Weigh Station Project, Escambia County, Florida* (with Randy Lichtenberger, Susan Barrett Smith, Charlene Keck and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to the Florida Department of Transportation, District III.

- 1999f *Cultural Resources Background Research and Sample Survey of Areas West of Morgan City, Louisiana as Part of the Lower Atchafalaya Basin Reevaluation Study* (with Randy Lichtenberger and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc to the U.S. Army Corps of Engineers, New Orleans District.
- 1999g *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Gulfstream Natural Gas System L.L.C. 36 Inch O.D. Project in Mobile County, Alabama* (with William P. Athens, David George, Jeremy Pincoske, Ralph B. Draughon, Jr., and Dave D. Davis). Submitted by R. Christopher Goodwin & Associates, Inc. to ANR Pipeline Company, Inc.
- 1999h *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Country Drive Expansion Project Area, Terrebonne Parish, Louisiana* (with Kari Krause and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to T. Baker Smith & Son, Inc.
- 1999i *Cultural Resources Survey and Inventory, Florida Gas Transmission Phase V Expansion, Gulf Power Lateral, Palmetto Power Lateral, Loop C, Loop D, Loop E, Loop G, Loop H St. Petersburg Lateral, Loop I St. Petersburg Lateral, Jacksonville Loop, and FP&L Lateral* (with David George, Jeremy Pincoske, Susan Barrett Smith, Ralph B. Draughon, Jr., Charlene Keck, Colleen Hanratty, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to Florida Gas Transmission.
- 2000a *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Country Drive Expansion Project Area, Terrebonne Parish, Louisiana* (with Kari Krause and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to T. Baker Smith and Son, Inc.
- 2000b *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed SR 30 (US 98) Expansions Corridor from Mack Bayou Road to CR 83 (US 331), Walton County, Florida* (with Susan Barrett Smith, Ralph B. Draughon, Jr., Jeremy Pincoske, James Hollingsworth, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to the Florida Department of Transportation, District III.
- 2000c *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed SR 30 (US 98) Expansion Corridor from CR 83 (US 331) to Peach Creek, Walton County, Florida* (with Susan Barrett Smith, Ralph B. Draughon, Jr., Jeremy Pincoske, James Hollingsworth, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to the Florida Department of Transportation, District III.
- 2000f *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed State Road 71 (Greenwood Highway) Expansion Corridor from State Road 10 (US 90) to North of the City Limits of Greenwood, in Jackson County, Florida* (with Katy Coyle, David George, James Hollingsworth, Kari Krause, Jeremy Pincoske, Susan Barrett Smith, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to the Florida Department of Transportation, District III.
- 2000g *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Schooner Bayou Project Corridor in Vermilion Parish, Louisiana* (with Kari Krause, Jeremy Pincoske, Colleen Hanratty, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to the U.S. Army Corps of Engineers, New Orleans District.

- 2000h *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Quincy Bypass, i.e., the Corridor Designed to Connect US 90 (State Road 10) and State Road 12, Gadsden County, Florida* (with Matthew Keelean, Jeremy Pincoske, Susan Barrett Smith, and William P. Athens).
- 2000i *Phase I Cultural Resources Survey and Archeological Inventory of Two Pipeline Loops (Loop J and Loop K) and 10 Ancillary Use Facilities Associated with the Proposed Florida Gas Transmission Phase V Expansion, FGT Mobile Bay Lateral, Loop A, and Loop B, Gilchrist and Levy Counties, Florida* (with David George, Susan Barrett Smith, David Roth, Kristin Vanwert, James Eberwine, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to Florida Gas Transmission Company.
- 2000j *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed State Road 269 Bridge Replacement Corridor, Walker County, Alabama* (with Katy Coyle, Jeremy Pincoske, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to Consoer Townsend Envirodyne Engineers, Inc.
- 2000k *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed State Road 119 Bridge Replacement Corridor, Shelby County, Alabama* (with Katy Coyle, Jeremy Pincoske, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to Consoer Townsend Envirodyne Engineers, Inc.
- 2000l *Phase I Cultural Resources Inventory of the Proposed Cypress Natural Gas Company, L.L.C., Cypress Pipeline Project, Nassau, Duval, and Clay Counties, Florida* (with Susan Barrett Smith, Katy Coyle, Jeremy Pincoske, Jon VandenBosch, Paul Heinrich, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to Cypress Natural Gas Company, L.L.C.
- 2000m *Phase I Cultural Resources Survey And Archeological Inventory Of The Proposed 7.56 KM (4.7 MI) 36 Inch O.D. Gulfstream Pipeline Project Corridor, Mobile County, Alabama* (with William P. Athens, David George, Ralph Draughon, Jr., Jeremy Pincoske, Dave D. Davis). Submitted by R. Christopher Goodwin & Associates, Inc. to Gulfstream Natural Gas System, L.L.C.
- 2000n *Phase II National Register Testing and Evaluation of Site 8BF145, Bradford County, Florida* (with William P. Athens, Jeremy Pincoske, Ellen Wilmer, and Darryl Byrd). Submitted by R. Christopher Goodwin & Associates, Inc. to Florida Gas Transmission Company.
- 2000o *Phase II National Register Testing and Evaluation of Site 8CO105, Columbia County, Florida* (with William P. Athens, Jeremy Pincoske, Ellen Wilmer, and Darryl Byrd). Submitted by R. Christopher Goodwin & Associates, Inc. to Florida Gas Transmission Company.
- 2001a *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Mississippi River Gulf Outlet Dredged Material FY 98 Disposal Areas, St. Bernard Parish, Louisiana* (with Katy Coyle, Paul Heinrich, Jeremy Pincoske, James Eberwine, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to the U.S. Army Corps of Engineers, New Orleans District.
- 2001b *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed State Road 30 (U.S. 98) and State Road 368 (23rd Street) Intersection Expansion, Bay County, Florida* (with Susan Barrett Smith, Jeremy Pincoske, James Eberwine, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to the Florida Department of Transportation.

- 2001c *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed State Road 119 Bridge Replacement Corridor, Shelby County, Alabama* (with Katy Coyle and Jeremy Pincoske). Submitted by R. Christopher Goodwin & Associates, Inc. to Consoer Townsend Envirodyne Engineers, Inc.
- 2001d *Phase I Cultural Resources Survey and Archeological Inventory of the Soda Lake Mitigation Area, Red River Waterway, Mississippi to Shreveport in Caddo Parish, Louisiana* (with Paul Heinrich, Jeremy Pincoske, Susan Barrett Smith, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to the U.S. Army Corps of Engineers, Vicksburg District.
- 2001e *Phase I Cultural Resources Survey and Archeological Inventory Conducted at the Proposed Aiken Meter Station Facility Expansion, Aiken, South Carolina* (with Kari Krause and David R. George). Submitted by R. Christopher Goodwin & Associates, Inc. to Southern Natural Gas Company.
- 2001f *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Southern Natural Gas Company North System Expansion II Pipeline Project in Harris, Talbot, Monroe, Bib, Jones, Baldwin, Washington, Jefferson, and Richmond Counties, Georgia* (with Kari Krause, Meg Thornton, Katy Coyle, Jeremy Pincoske, Jon VandenBosch, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to Southern Natural Gas Company.
- 2001g *South System Expansion II Pipeline Project, in Autauga, Elmore, Hale, Lee, Marengo, Perry, Sumter, and Tallapoosa Counties, Alabama* (with Kari Krause, Susan Barrett Smith, Jeremy Pincoske, Jon VandenBosch, Sean Coughlin, Elizabeth Stoffers, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to Southern Natural Gas Company.
- 2002a *Phase I Cultural Resources Survey and Archeological Inventory of the Alabama Portion of the Proposed Colonial Pipeline Project Corridor, Talladega, Calhoun, St. Clair, Blount, Cullman, Marshall, Morgan, Madison, and Limestone Counties, Alabama* (with David R. George, Alicia Ventresca, Susan Barrett Smith, Jeremy Pincoske, Kari Krause, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to Colonial Pipeline Company.
- 2002b *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Southern Liquefied Natural Gas (SLNG) Elba Island Expansion Project in Chatham County, Georgia* (with William P. Athens, Kari Krause, Sean Coughlin, Alicia Ventresca, David George, Katy Coyle, Andrew Ivester, and Jeremy Pincoske). Submitted by R. Christopher Goodwin & Associates, Inc. to El Paso Energy Corporation.
- 2002c *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Southern Liquefied Natural Gas Wetland Creation Project on Elba Island, Chatham County, Georgia* (with William P. Athens, Kari Krause, Sean Coughlin, Alicia Ventresca, Andrew Ivester, Katy Coyle, Jeremy Pincoske, and David George). Submitted by R. Christopher Goodwin & Associates, Inc. to El Paso Energy Corporation.
- 2002d *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed State Road 79 Expansion Project Through Portions of Washington and Holmes Counties, Florida* (with William P. Athens, Rebecca Sick, Katy Coyle, Jeremy Pincoske, and David R. George). Submitted by R. Christopher Goodwin & Associates, Inc. to FDOT, District III.

- 2002e *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Southern Natural Gas Company South System Expansion II Pipeline, Sumter, Marengo, Hale, Perry, Autauga, Elmore, Tallapoosa, and Lee Counties, Alabama* (with William P. Athens, Kari Krause, Jeremy Pincoske, Susan Barrett Smith, Jon VandenBosch, Sean Coughlin, and Elizabeth Stoffers). Submitted by R. Christopher Goodwin & Associates, Inc. to Southern Natural Gas Company.
- 2002f *Phase I Cultural Resources Survey and Archeological Inventory of the Soda Lake Mitigation Area, Red River Waterway, Mississippi River to Shreveport In Caddo Parish, Louisiana* (with William P. Athens, Paul Heinrich, Jeremy Pincoske, and Susan Barrett Smith). Submitted by R. Christopher Goodwin & Associates, Inc. to U.S. Army Corps of Engineers, Vicksburg District.
- 2002g *Phase II National Register Testing and Evaluation of Sites 1LE293, 1LE294, 1EE505, and 1TP54 in Lee, Elmore, and Tallapoosa Counties, Alabama* (with William P. Athens, Kari Krause, Katy Coyle, Jeremy Pincoske, Rebecca Sick, and James Eberwine). Submitted by R. Christopher Goodwin & Associates, Inc. to Southern Natural Gas Company.
- 2002h *Phase I Cultural Resources Survey and Archeological Inventory of Proposed ANR Pipeline Company, Wisconsin WestLeg Project, Walworth and Rock Counties, Wisconsin* (with William P. Athens, Kari Krause, Alicia Ventresca, Susan Barrett Smith, Jeremy Pincoske, and Sean Coughlin). Submitted by R. Christopher Goodwin & Associates, Inc. to El Paso Corporation.
- 2002i *Phase I Cultural Resources Survey and Archeological Inventory of Proposed ANR Pipeline Company, Wisconsin WestLeg Project, McHenry County, Illinois* (with William P. Athens, Kari Krause, Alicia Ventresca, Susan Barrett Smith, Jeremy Pincoske, and Sean Coughlin). Submitted by R. Christopher Goodwin & Associates, Inc. to El Paso Corporation.
- 2002j *Phase II National Register Testing and Evaluation of Sites 22LW616, 22LW617, 22LW618, 22LW619, 22LW620, 22LW621, and 22LW622, Lawrence County, Mississippi* (with William P. Athens, Kari Krause, Rebecca Sick, David George, Katy Coyle, and Jeremy Pincoske). Submitted by R. Christopher Goodwin & Associates, Inc. to MDOT.
- 2002k *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Vermilion River Dredge Disposal Project Area, Lafayette Parish, Louisiana* (with William P. Athens, Susan Barrett Smith, Alicia Ventresca, Eric Vogelheim, and Jeremy Pincoske). Submitted by R. Christopher Goodwin & Associates, Inc. to U.S. Army Corps of Engineers, New Orleans District.
- 2002l *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Southern Natural Gas Company South System Expansion II Pipeline Project in Harris, Talbot, Monroe, Bibb, Jones, Baldwin, Washington, Jefferson, and Richmond Counties, Georgia* (with William P. Athens, Jon VandenBosch, Kari Krause, Katy Coyle, Jeremy Pincoske, and Daya Naef). Submitted by R. Christopher Goodwin & Associates, Inc. to Southern Natural Gas Company.
- 2003a *Phase I Cultural Resources Survey and Archeological Inventory of the Onshore Florida Portion of the Proposed Seafarer U.S. Pipeline System Project Corridor and its Associated Access Roads and Ancillary Facilities, Palm Beach and Martin Counties, Florida* (with William P. Athens, David George, Katy Coyle, Eric Vogelheim, and Jeremy Pincoske). Submitted by R. Christopher Goodwin & Associates, Inc. to Seafarer U.S. Pipeline System, LLC.

- 2003b *Phase II National Register Testing and Evaluation of Sites 16CA114 and 16CA115, Caldwell Parish, Louisiana* (with William P. Athens, David George, James Eberwine, Andrea White, and Heather Backo). Submitted by R. Christopher Goodwin & Associates, Inc. to Denmon Engineering, Inc.
- 2003c *Phase I Cultural Resources Survey and Archeological Inventory of the Proposed Vermilion River Dredge Disposal Project Area, Lafayette, Parish, Louisiana* (with William P. Athens, Susan Barrett Smith, Alicia Ventresca, Eric Vogelheim, Jeremy Pincoske). Submitted by R. Christopher Goodwin & Associates, Inc. to U.S. Army Corps of Engineers, New Orleans District.
- 2003d *Phase I Cultural Resources Survey and Archeological Inventory of the Onshore Florida Portion of the Proposed Seafarer U.S. Pipeline System Project in Palm Beach and Martin Counties, Florida* (with William P. Athens, David R. George, Katy Coyle, Eric Vogelheim, Jeremy Pincoske). Submitted by R. Christopher Goodwin & Associates, Inc. to Seafarer U.S. Pipeline System, LLC.
- 2003e *Phase I Cultural Resources Survey and Archeological Inventory of the Onshore Florida Portion of the Proposed Seafarer U.S. Pipeline System Project in Palm Beach and Martin Counties, Florida* (with William P. Athens, David R. George, Eric Vogelheim, Katy Coyle, Jeremy Pincoske). Submitted by R. Christopher Goodwin & Associates, Inc. to Seafarer U.S. Pipeline System, LLC.
- 2003f *Phase I Cultural Resources Survey and Archeological Inventory of a Proposed 1.12 ha (2.78 ac) Borrow Pit and an Associated Access Road, Ascension Parish, Louisiana* (with David George, Marie Pokrant, and Jeremy Pincoske). Submitted by R. Christopher Goodwin & Associates, Inc. to U.S. Army Corps of Engineers, New Orleans District.
- 2003g *Phase I Cultural Resources Survey and Archeological Inventory of the Chaland Headland Restoration Project, Plaquemines Parish, Louisiana* (with William P. Athens, David George, and Rebecca Sick). Submitted by R. Christopher Goodwin & Associates, Inc. to Tetra Tech EM, Inc.
- 2003h *Phase IB Cultural Resources Survey and Archeological Inventory of a 16.2 ha (40 ac) Project Parcel Rocky Hill, Connecticut* (with Catherine Labadia and Andrea White). Submitted by R. Christopher Goodwin & Associates, Inc., to Vanasse Hangen Brustlin, Inc.
- 2004a *Phase IA Cultural Resources Records Review and Literature Research of the Paul J. Rainey Wildlife Sanctuary, Vermilion Parish, Louisiana* (with William P. Athens, David George, and Susan Barrett Smith). Submitted by R. Christopher Goodwin & Associates, Inc. to Tetra Tech EM, Inc.
- 2004b *Phase I Cultural Resources Survey and Archeological Inventory of a Proposed Project Parcel in Rocky Hill, Connecticut* (with Catherine Labadia, Andrea White, and William P. Athens). Submitted by R. Christopher Goodwin & Associates, Inc. to Vanasse Hangen Brustlin, Inc.
- 2004c *Phase I Cultural Resources Reconnaissance Survey of Proposed Sprint PCS Wireless Communications Facility Numbers CT-11-390-G and CT-11-390-J, North Branford, Connecticut* (with David George and William Keegan). Submitted to Vanasse Hangen Brustlin, Inc., Middletown, Connecticut.

- 2004d *Phase I Cultural Resources Reconnaissance Survey of Proposed AT&T Wireless Communications Facility Numbers CT-668-A and CT-668-B, Madison, Connecticut* (with William Keegan and David George). Submitted to Vanasse Hangen Brustlin, Inc., Middletown, Connecticut.
- 2004e *Historic Research and Building Documentation of the Hanford House, 180-182 Main Street, Bridgeport, Connecticut.* (with William Keegan and David George). Submitted to Vanasse Hangen Brustlin, Inc., Middletown, Connecticut.
- 2004f *Phase I Cultural Resources Survey and Archeological Inventory of a 8.09 ha (20 ac) Project Parcel Associated with the Proposed Fieldstone Commons Commercial Development, Tolland, Connecticut.* Submitted to Prospect Enterprises Hartford, Connecticut.
- 2004g *Phase I Cultural Resources Reconnaissance Survey of the Proposed Rockville Bank Branch Office Location, Tolland, Connecticut.* Submitted to Rockville Bank, South Windsor, Connecticut.
- 2004h *Phase I Cultural Resources Reconnaissance Inventory of a Proposed Housing Subdivision in Goshen, Connecticut.* Submitted to Henne Development, Southbury, Connecticut.
- 2004i *Archeological Investigation of Stone Piles Located on a 16.8 ha (41.5 ac) parcel of land in Stafford, Connecticut.* Submitted to Vanasse Hangen Brustlin, Inc., Middletown, Connecticut.
- 2004j *Phase IA Cultural Resources Assessment Survey of a Proposed Housing Subdivision at 25 Starrs Ridge Road in Redding, Connecticut.* Submitted to Mr. Jason Addison.
- 2004k *Connecticut State Historic Preservation Office Project Submittal for the Proposed Pine Meadow Senior Rental Facility, Windsor Locks, Connecticut.* Submitted on behalf of Fahey, Landolina & Associates, Inc.
- 2005a *Phase I Cultural Resources Reconnaissance Survey of a Proposed Water Line in Colchester, Connecticut.* Submitted on behalf of Weston & Sampson Engineers, Inc.
- 2005b *Phase I Cultural Resources Reconnaissance and Assessment Surveys of the Proposed Gateway Zone Sewer Extension Project, Tolland, Connecticut.* Submitted on behalf of the Town of Tolland.
- 2005c *Phase I Cultural Resources Reconnaissance Survey of the Proposed Carriage Crossing Housing Subdivision in Tolland, Connecticut.* Submitted on behalf of Strategic Properties, LLC.

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3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 2. Additional Site Information

Describe any additional structures, access roads, utility lines, fences, easements, or other construction planned for the site in conjunction with the proposed facility.

The Subject Property, located at 7 Orchard Park Road, is situated within a mixed-use commercial and residential rural neighborhood. To the north of the Subject Property, running east to west are railroad tracks. The commercial properties are located to the east of the Subject Property and to the south and southwest along Boston Post Road. The residential properties are located throughout the whole area and are mainly composed of single family residences.

The Subject Property consists of an approximately 5.68 acre lot that is improved with eight buildings. Of the eight buildings the two commercial buildings, utilized as office and warehouse purposes were built between 1982 and 1983. The remaining six buildings are utilized as a self storage facility and were constructed in 2002. The access drives between the buildings is paved. The monopole and equipment compound will be located on the east side of the Subject Property and will be known as the Project Site.

T-Mobile USA proposes to construct a telecommunications facility on the eastern portion of the Subject Property. The telecommunications facility will include a 100-foot monopole tower and equipment cabinets on a 10-foot by 15-foot concrete pad located within a fenced compound on a 40-foot by 45-foot lease area. T-Mobile USA plans to collocate an array of 9 antennas on the monopole with two TMA's per sector (total of 6) mounted on standoff cross arms at a centerline height of approximately 100 feet above ground level (AGL). Coaxial cable will be routed from the support equipment across a proposed ice bridge, then up the tower to the antennas. Underground utilities will be routed from existing demarcs on the western portion of the Subject Property along an existing access drive to a proposed utility area adjacent to the tower compound.

Please refer to the Project Plans for the proposed project, which are included in Attachment 12, Maps.

Attachment 3. Tribal and NHO Involvement

At an early stage in the planning process, the Nationwide Agreement requires the Applicant to gather information from appropriate Indian Tribes or Native Hawaiian Organizations (“NHOs”) to assist in the identification of Historic Properties of religious and cultural significance to them. Describe measures taken to identify Indian tribes and NHOs that may attach religious and cultural significance to Historic Properties that may be affected by the undertaking within the Areas of Potential Effects (“APE”) for direct and visual effects. If such Indian tribes or NHOs were identified, list them and provide a summary of contacts by either the FCC, the Applicant, or the Applicant’s representative. Provide copies of relevant documents, including correspondence. If no such Indian tribes or NHOs were identified, please explain.

EBI Consulting completed the Tower Construction Notification System (TCNS) on November 21, 2008. The attached FCC Notification email lists the Tribes identified through the TCNS process. Follow up correspondence, when necessary, will be completed via the methods listed on the attached email considered acceptable to that Tribe.

Applicant’s Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A



FEDERAL COMMUNICATIONS COMMISSION
Wireless Telecommunications Bureau
1270 Fairfield Road
Gettysburg, PA 17325-7245

**NOTICE OF ORGANIZATION(S) WHICH WERE SENT
PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION**

T MOBILE USA
21 B STREET
BURLINGTON, MA 01803

Date: 11/21/2008
Reference Number:

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

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

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

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

None

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

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

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

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

6. Director - Ruth Pierpont - Bureau of Field Services, NY State Parks &* Hist. Pres. - Waterford, NY - electronic mail
7. SHPO - Frederick Williamson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - regular mail
8. Deputy SHPO - Edward Sanderson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - electronic mail
9. SHPO - Karen Senich - Connecticut Commission on Culture and Tourism - Hartford, CT - electronic mail

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

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your 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: 11/13/2008

Notification ID: 46868

Tower Owner Individual or Entity Name: T Mobile USA

Consultant Name: Jeff Previte

P.O. Box:

Street Address: 21 B Street

City: Burlington

State: MA

Zip Code: 01803

Phone: 781-418-2345

Email: jgeorge@ebiconsulting.com

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 41 deg 16 min 59 sec N

Longitude: 72 deg 37 min 27 sec W

Letter to *T Mobile USA Jeff G Previte*

Date: 11/21/2008

Page 4

Location Description: 7 orchard park rd

City: madison

State: CONNECTICUT

County: NEW HAVEN

Ground Elevation: 12.5 meters

Support Structure: 30.5 meters above ground level

Overall Structure: 30.5 meters above ground level

Overall Height AMSL: 43.0 meters above 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). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

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Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 4. Local Government

- a. Has any local government agency been contacted and invited to become a consulting party pursuant to Section V.A. of the Nationwide Agreement? If so, list the local government agencies contacted. Provide a summary of contacts and copies of any relevant documents (e.g., correspondence or notices).

The Madison Historic Commission has been notified of the proposed project and has been invited to comment on the proposed project's potential effects on Historic Properties as well as indicate whether they are interested in consulting further on the proposed project. A copy of our correspondence with the local government office is attached. As of the date of this submission packet, no comments from the Madison Historic Commission have been received by EBI. Should a response be received, copies will be forwarded to all consulting parties as an addendum to this submission packet.

- b. If a local government agency will be contacted but has not been to date, explain why and when such contact will take place. N/A.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

December 9, 2008

John Lind
c/o Madison Historic Commission
8 Campus Drive
Madison, CT 06443

Subject: Invitation to Comment
Amtrak Madison/CTNH808A
7 Orchard Park Road, Madison, New Haven County, CT 06442
EBI Project #61087296

Dear Mr. Lind:

Pursuant to Section 106 of the National Historic Preservation Act, the regulations promulgated thereunder and interagency agreements developed thereto, EBI Consulting, Inc. on behalf of Omnipoint Communications, Inc., a wholly owned subsidiary of T-Mobile USA, Inc. provides this notice of a proposed telecommunications facility installation at the address listed above.

EBI would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project.

Please note that we are requesting your review of the attached information as part of the Section 106 process only and not as part of the local zoning process. We are only seeking comments related to the proposed project's potential effect to historic properties.

Please submit your comments regarding the proposed project's potential effect on historic properties to EBI Consulting, to my attention at 21 B Street, Burlington, MA 01803 or contact me via telephone at the number listed below. Please reference the EBI project number. We would appreciate your comments as soon as possible within the next 30 days. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Respectfully Submitted,



Ms. Alexis Godat
Architectural Historian
agodat@ebiconsulting.com
T (845) 313-1217
F (781) 425-5167

Attachment A - Project Summary Form
Attachment B - Figures, Drawings, and Maps

Shipped via Optima Worldwide Shipping on behalf of:

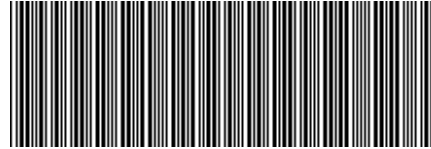
Krushangi Patel
 EBI Consulting
 21 B Street
 Burlington, MA 01803



SHIP DATE	12/10/2008	TRACKING NUMBER	B70064284480303
ACCOUNT #	9510-6964	PROJECT NUMBER-REPORT TYPE	61087296

Ship To Address:

John Lind
 Madison Historic Commission
 8 Campus Drive
 Madison, CT 06443
 US



Phone Number:

SERVICE LEVEL	VALUE	OTHER SERVICES	PACKAGE NOTES/SPECIAL INSTRUCTIONS
STANDARD OVERNIGHT	100		

1 OF 1



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3060-1039

Estimated Time Per Response:

.5 to 10 hours

Attachment 5. Public Involvement

Describe measures taken to obtain public involvement in this project (*e.g.*, notices, letters, or public meetings). Provide copies of relevant documentation.

Attached, please find a copy of legal notice regarding the proposed telecommunications installation that was posted in *The Source* on December 24, 2008. As of the date of this submission packet, no comments regarding this notice have been received by EBI. Should a response be received, copies will be forwarded to all consulting parties as an addendum to this submission packet.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

December 9, 2008

The Source
c/o Shore Publishing
203-245-1877
office@shorepublishing.com
Attn: TJ

Subject: Request for Public Notice
EBI Project #61087296

EBI Consulting (EBI), on behalf of Omnipoint Communications, Inc., a wholly owned subsidiary of T-Mobile USA, Inc. would like to place the following ad in your paper for print on the next available date. Please place this ad in the paper and send a tear sheet of the ad for confirmation to the address noted on the letterhead. The following is the text of the Public Notice:

Omnipoint Communications, Inc. provides this notice of a proposed telecommunications facility installation at 7 Orchard Park Road, Madison, New Haven County, CT. The new facility will consist of a 100-foot monopole, with nine antennas at 100 feet above ground level, and support equipment within a 40-foot by 45-foot fenced compound. Any interested party wishing to submit comments regarding the potential effects the proposed facility may have on any historic property may do so by sending such comments to: Project 61087296-AMG c/o EBI Consulting, 21 B Street, Burlington, MA 01803, or via telephone at 845-313-1217.

Please send an invoice for the cost of the posting to the address noted above. Please reference **EBI Project #61087296** on any correspondence pertaining to this project, to ensure prompt processing.

Please e-mail or call me with any questions or concerns concerning this publication. Thank you for your time.

Sincerely,



Ms. Alexis Godat
Architectural Historian
agodat@ebiconsulting.com
T (845) 313-1217
F (781) 425-5167

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3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 6. Additional Consulting Parties

List additional consulting parties that were invited to participate by the Applicant, or independently requested to participate. Provide any relevant correspondence or other documents.

The Madison Historical Society has been identified and invited to comment on the proposed project's effect on Historic Properties. Attached, please find copies of relevant correspondence to date with this party. As of the date of this submission packet, no comments from the Madison Historic Society have been received by EBI. Should a response be received, copies will be forwarded to all consulting parties as an addendum to this submission packet.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

December 9, 2008

Madison Historical Society
853 Boston Post Road
Madison, CT 06443-3155
203-245-4567

Subject: Invitation to Comment
Amtrak Madison/CTNH808A
7 Orchard Park Road, Madison, New Haven County, CT 06442
EBI Project #61087296

Dear Sir or Madam:

Pursuant to Section 106 of the National Historic Preservation Act, the regulations promulgated thereunder and interagency agreements developed thereto, EBI Consulting, Inc. on behalf of Omnipoint Communications, Inc., a wholly owned subsidiary of T-Mobile USA, Inc. provides this notice of a proposed telecommunications facility installation at the address listed above.

EBI would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project.

Please note that we are requesting your review of the attached information as part of the Section 106 process only and not as part of the local zoning process. We are only seeking comments related to the proposed project's potential effect to historic properties.

Please submit your comments regarding the proposed project's potential effect on historic properties to EBI Consulting, to my attention at 21 B Street, Burlington, MA 01803 or contact me via telephone at the number listed below. Please reference the EBI project number. We would appreciate your comments as soon as possible within the next 30 days. Please do not hesitate to contact me if you have any questions or concerns about the proposed project.

Respectfully Submitted,



Ms. Alexis Godat
Architectural Historian
agodat@ebiconsulting.com
T (845) 313-1217
F (781) 425-5167

Attachment A - Project Summary Form
Attachment B - Figures, Drawings, and Maps

Shipped via Optima Worldwide Shipping on behalf of:

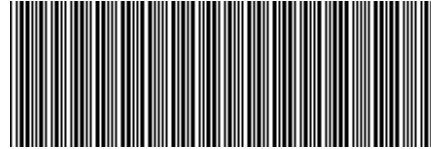
Krushangi Patel
 EBI Consulting
 21 B Street
 Burlington, MA 01803



SHIP DATE	12/10/2008	TRACKING NUMBER	B70064284482303
ACCOUNT #	9510-6964	PROJECT NUMBER-REPORT TYPE	61087296

Ship To Address:

Madison Historical Society
 Madison Historical Society
 853 Boston Post Road
 Madison, CT 06443
 US



Phone Number:

SERVICE LEVEL	VALUE	OTHER SERVICES	PACKAGE NOTES/SPECIAL INSTRUCTIONS
STANDARD OVERNIGHT	100		

1 OF 1



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3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 7. Areas of Potential Effects

a. Describe the APE for direct effects and explain how this APE was determined.

The APE for direct effects is defined as the area of potential ground disturbance and any property, or any portion thereof, that will be physically altered or destroyed by the Undertaking. Ms. Godat, Architectural Historian, of EBI Consulting completed a field survey on November 20, 2008 and determined that the APE for direct effects is limited to the Subject Property boundaries.

b. Describe the APE for visual effects and explain how this APE was determined.

The APE for visual effects is the geographic area in which the Undertaking has the potential to introduce visual elements that diminish or alter the setting, including the landscape, where the setting is a character-defining feature of a historic property that makes it eligible for listing on the National Register. The presumed APE for visual effects for construction of new facilities is the area from which the tower will be visible: a. Within a half mile from the tower site if the proposed Tower is 200 feet or less in overall height; b. Within ¾ of a mile from the tower site if the proposed Tower is more than 200 but no more than 400 feet in overall height; or c. Within 1 ½ miles from the proposed tower site if the proposed Tower is more than 400 feet in overall height.

Due to the height of the proposed tower, the presumed APE for visual effects for this project is a half-mile radius from the tower site.

Attachment 8. Historic Properties Identified in the APE for Visual Effects

a. Provide the name and address (including U.S. Postal Service ZIP Code) of each property in the APE for visual effects that is listed in the National Register, has been formally determined eligible for listing by the Keeper of the National Register, or is identified as considered eligible for listing in the records of the SHPO/THPO, pursuant to Section VI.D.1.a. of the Nationwide Agreement.⁷

Based on a review of files conducted by William Keegan, Archaeologist, of Heritage Consultants, LLC at the Connecticut Commission on Culture and Tourism on November 20, 2008, the following Historic Properties were identified within the APE for visual effects:

Listed/ NRHP Eligibility	NRHP/ SHPO Inventory No.	Historic Property Name	Address or Nearest Intersection (including U.S. Postal Service ZIP Code)	Distance from Project Site	EBI Photo No.
Listed	n/a	Shelley House	248 Boston Post Road	¼ mile	19

b. Provide the name and address (including U.S. Postal Service ZIP Code) of each Historic Property in the APE for visual effects, not listed in Attachment 8a, identified through the comments of Indian Tribes, NHOs, local governments, or members of the public. Identify each individual or group whose comments led to the inclusion of a Historic Property in this attachment. For each such property, describe how it satisfies the criteria of eligibility (36 C.F.R. Part 63).

⁷ Section VI.D.1.a. of the Nationwide Agreement requires the Applicant to review publicly available records to identify within the APE for visual effects: i) properties listed in the National Register; ii) properties formally determined eligible for listing by the Keeper of the National Register; iii) properties that the SHPO/THPO certifies are in the process of being nominated to the National Register; iv) properties previously determined eligible as part of a consensus determination of eligibility between the SHPO/THPO and a Federal Agency or local government representing the Department of Housing and Urban Development (HUD); and, v) properties listed in the SHPO/THPO Inventory that the SHPO/THPO has previously evaluated and found to meet the National Register criteria, and that are identified accordingly in the SHPO/THPO Inventory.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

NT SUBMISSION PACKET – FCC FORM 620

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3060-1039

Estimated Time Per Response:

.5 to 10 hours

As of the date of this report, EBI has not received comments from Indian Tribes, NHOs, local governments, or members of the public that identify Historic Properties in the APE for visual effects that are not listed in Attachment 8a.

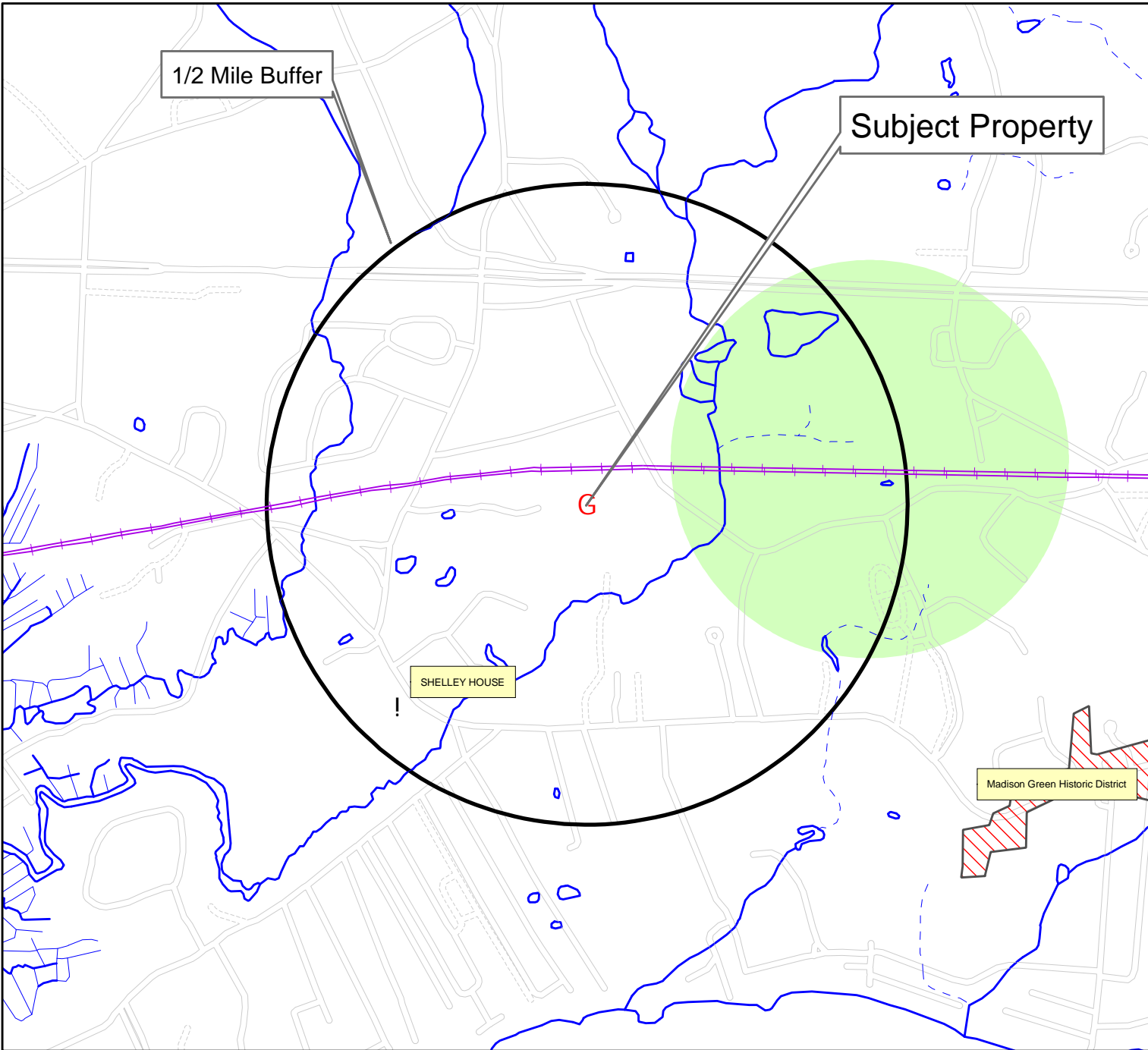
- c. **For any properties listed on Attachment 8a that the Applicant considers no longer eligible for inclusion in the National Register, explain the basis for this recommendation.**

EBI does not consider any of the properties listed in Attachment 8a no longer eligible for inclusion in the National Register of Historic Places.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

**PROJECT AREA AND
KNOWN CULTURAL RESOURCES**

**SITE # CTNL808A
7 OCHARD PARK ROAD
OLD LYME, CONNECTICUT**




0 462.5 925 1,850 Feet

COPYRIGHT HERITAGE CONSULTANTS 2008

Legend

- G Subject Property
- ! National Register (points)
- National Register (polygon)
- Scenic Highways (CT)
- Reported Archaeological Sites
- 1/2 Mile Buffer
- + + + Rail
- National Register (line)
- # Historic Cemeteries Pre 1935 (Hale)



NT SUBMISSION PACKET – FCC FORM 620

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3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 9. Historic Properties Identified in the APE for Direct Effects

- a. List all properties identified in Attachment 8a or 8b that are within the APE for direct effects.

Based on a review of files conducted by William Keegan, Archaeologist, of Heritage Consultants, LLC at the Connecticut Commission on Culture and Tourism on November 20, 2008, no Historic Properties were identified within the APE for direct effects.

- b. Provide the name and address (including U.S. Postal Service ZIP Code) of each property in the APE for direct effects, not listed in Attachment 9a, that the Applicant considers to be eligible for listing in the National Register as a result of the Applicant’s research. For each such property, describe how it satisfies the criteria of eligibility (36 C.F.R. Part 63). For each property that was specifically considered and determined not to be eligible, describe why it does not satisfy the criteria of eligibility.

Based on a review of the photographs, maps, and information contained within this report, Ms. Godat, Architectural Historian, of EBI Consulting completed the following evaluation of National Register eligibility, according to the National Register criteria of eligibility (36 C.F.R. Part 63), for properties identified within the APE for direct effects which were not identified during a review of files at the SHPO office and therefore not listed in Attachment 9a. These properties are noted in the table below.

NRHP Eligibility Recommendation	Resource Age	Brief Description of Resource	Basis for Recommendation	Distance from Project Site	EBI Photo No.
Ineligible	6-26 years	Of the eight buildings the two commercial buildings, utilized as office and warehouse purposes were built between 1982 and 1983. The remaining six buildings are utilized as a self storage facility and were constructed in 2002.	The resources are not eligible for the NRHP because they do not meet the age requirements	0 feet – Subject Property	9-12

- c. Describe the techniques and the methodology, including any field survey, used to identify Historic Properties within the APE for direct effects.⁸ If no archeological field survey was performed, provide a report substantiating that: i) the depth of previous disturbance exceeds the proposed construction depth (excluding

⁸ Pursuant to Section VI.D.2.a. of the Nationwide Agreement, Applicants shall make a reasonable and good faith effort to identify above ground and archeological historic properties, including buildings, structures, and historic districts, that lie within the APE for direct effects. Such reasonable and good faith efforts may include a field survey where appropriate.

Applicant’s Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

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.5 to 10 hours

footings and other anchoring mechanisms) by at least 2 feet; or, ii) geomorphological evidence indicates that cultural resource-bearing soils do not occur within the project area or may occur but at depths that exceed 2 feet below the proposed construction depth.⁹

As noted in Attachment 9a, a review of files at the Connecticut Commission on Culture and Tourism on November 20, 2008 was conducted by Mr. Keegan, Archaeologist, of Heritage Consultants, LLC, in order to identify listed Historic Properties within the APE for direct effects. Ms. Godat, Architectural, of EBI Consulting conducted historical background research for the Subject Property and surrounding area at Town of Madison website on November 20, 2008. In addition, Ms. Godat, Architectural Historian, of EBI Consulting completed a field survey of the APE for direct effects in order to identify any additional Historic Properties located within the APE for direct effects that were not listed in the SHPO inventories. Ms. Godat used the results of these activities in order to evaluate the National Register eligibility of the any additional Historic Properties within the APE for direct effects.

Ms. Catherine M Labadia, President and Principal Investigator, of Heritage Consultants, LLC completed an evaluation of the proposed Project Site for the likelihood of containing archeological Historic Properties. Please refer to the attached report documenting the findings of this project review by a qualified archaeologist including a description of the techniques and the methodology used to identify Historic Properties within the APE for direct effects. This report concludes that archeological resources are not expected to be impacted by the construction of the proposed tower and installation of associated support equipment at the Project Site.

⁹ Under Section VI.D.2.d. of the Nationwide Agreement, an archeological field survey is required even if none of these conditions applies, if an Indian tribe or NHO provides evidence that supports a high probability of the presence of intact archeological Historic properties within the APE for direct effects.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A



INTEGRATED HISTORIC PRESERVATION PLANNING

January 5, 2009

Michael Chun
EBI Consulting
21 B Street
Burlington, MA 01803

RE: Preliminary Archeological Assessment of the Proposed Madison Telecommunications Tower CTNH808A Located at 7 Orchard Park Road in Madison, Connecticut

Mr. Chun:

Heritage Consultants, LLC, is pleased to have this opportunity to provide EBI Consulting, Inc., with the following preliminary archeological assessment of the proposed Madison telecommunications tower CTNH808A located at 7 Orchard Park Road in Madison, Connecticut (Figure 1). The current project entailed completion of an existing conditions cultural resources summary based on the examination of GIS data obtained from the Connecticut State Historic Preservation Office, as well as historic maps, aerial photographs, and topographic quadrangles maintained by Heritage Consultants, LLC. This investigation did not consider the effects of the proposed construction upon built resources, and it is based upon project location information provided to Heritage Consultants, LLC by EBI Consulting, Inc. The objectives of this study were: 1) to gather and present data regarding previously identified cultural resources situated within the vicinity of the Areas of Potential Effect; 2) to investigate the proposed project parcel in terms of its natural and historical characteristics; and 3) to evaluate the need for completing additional cultural resources investigations.

As Figure 2 (an historic 1838 map) depicts, the landscape circumscribing the Area of Potential Effect was rural in nature and sparsely settled during the first half of the nineteenth century. At that time, the project region was accessible exclusively through the placement of primary roadways. Further, Figures 3 and 4 (historic maps dating from 1858 and 1868, respectively) indicated that the project region had undergone numerous alterations during the mid-nineteenth century. Prior to 1868, the landscape surrounding the Areas of Potential Effect was subjected to an increase in residential housing development, the addition of new primary and secondary roadways, and the construction of a railway that traversed the project region. However, despite the impact of these developments, a map dating from 1884 shows that the proposed project area itself remained unchanged through the end of the nineteenth century (Figure 5). Figure 6 depicts the proposed project area and its surrounding landscape in 1934. This image shows that much of the project region has been impacted by this time through agricultural practices and additional building development. Figure 7, an aerial image dating from 1951, shows the proposed project area as positioned within an area of mixed woodland, as it was in 1934. In addition, Figure 8 shows that the project region had undergone an increase in new building development between 1951 and 1970. Figures 9 and 10, aerial images dating from 1986 and 1995, respectively, indicate the landscape within the immediately vicinity of the proposed project area had been disturbed by the construction of numerous commercial facilities and Orchard Park Road. Expansion to this extant complex occurred recently, as demonstrated by the 2004 aerial image shown in Figure 11. This image shows the location of the proposed cellular

Mr. Michael Chun
January 5, 2009
Page 2

telecommunications tower situated adjacent to an existing building. Construction of the building has impacted the soils within the proposed tower location. Finally, a review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office revealed that a single previously recorded archeological site has been identified within 0.8 km (0.5 mi) of the Areas of Potential Effect (Figure 12). Specifically, Site 76-4 has been classified as historic in origin. In addition, Figure 12 also shows a single National Register of Historic Places property located to the southwest of the proposed project area (the Shelby House).

Based upon the available data, it appears that development during the recent past has likely impacted the local soil deposits within the Area of Potential Effect to a substantial degree. As a result, it is unlikely that intact cultural deposits are situated within the proposed project area. Thus, it is the professional opinion of Heritage Consultants, LLC that no further archeological investigations of the proposed Madison telecommunications tower CTNH808A are warranted.

If you have any questions regarding this Technical Memorandum, or if we may be of additional assistance with this or any other projects you may have, please do not hesitate to call us at 860-667-3001 or email us info@heritage-consultants.com. We are at your service.

Sincerely,



Catherine M. Labadia, M.A.
President & Principal Investigator

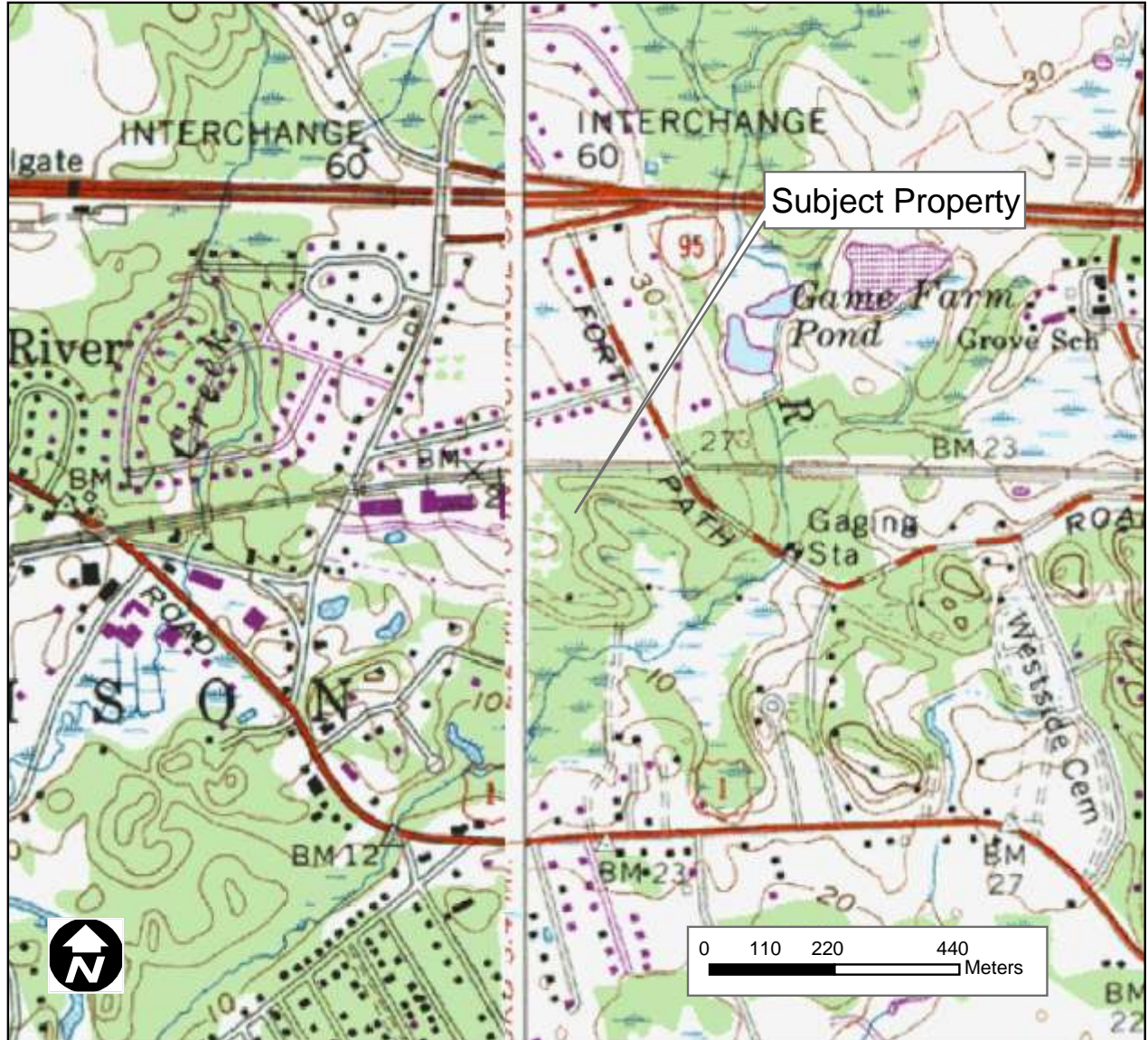


Figure 1. Excerpt from a USGS 7.5' series topographical quadrangle depicting the Area of Potential Effect in Madison, Connecticut.

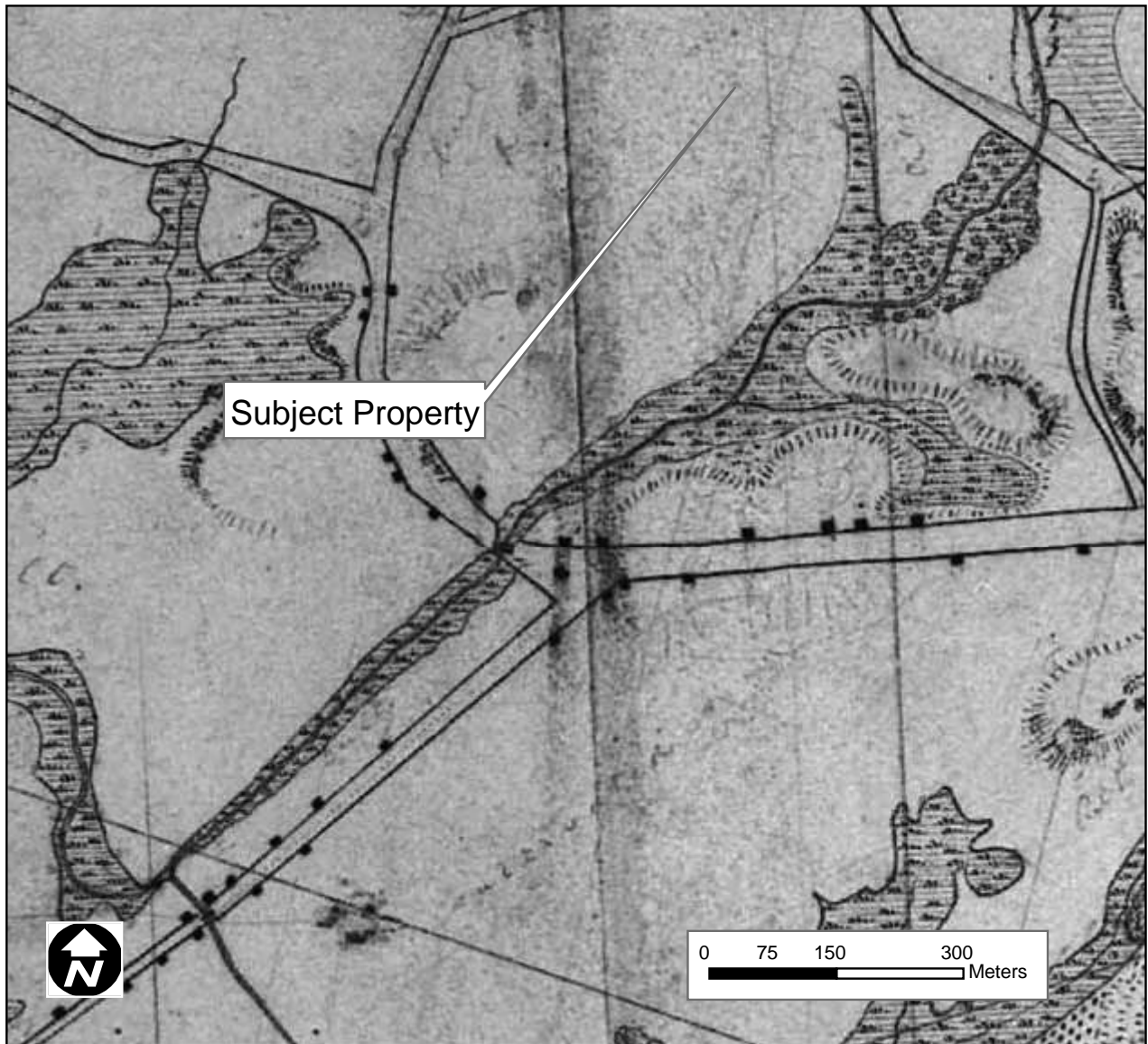


Figure 2. Excerpt from an historic 1838 map depicting the Area of Potential Effect in Madison, Connecticut.

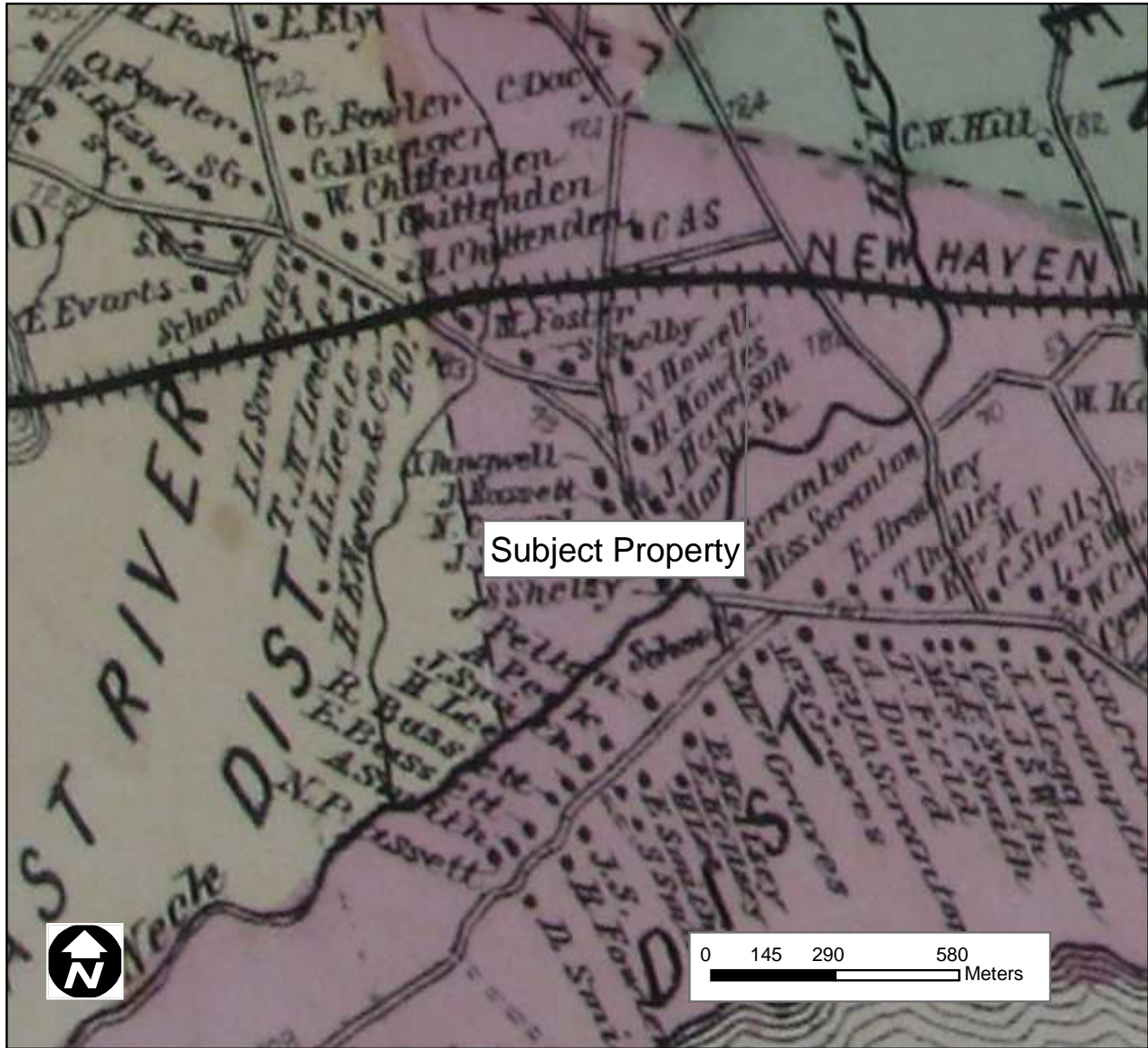


Figure 4. Excerpt from an historic 1868 map depicting the Area of Potential Effect in Madison, Connecticut.

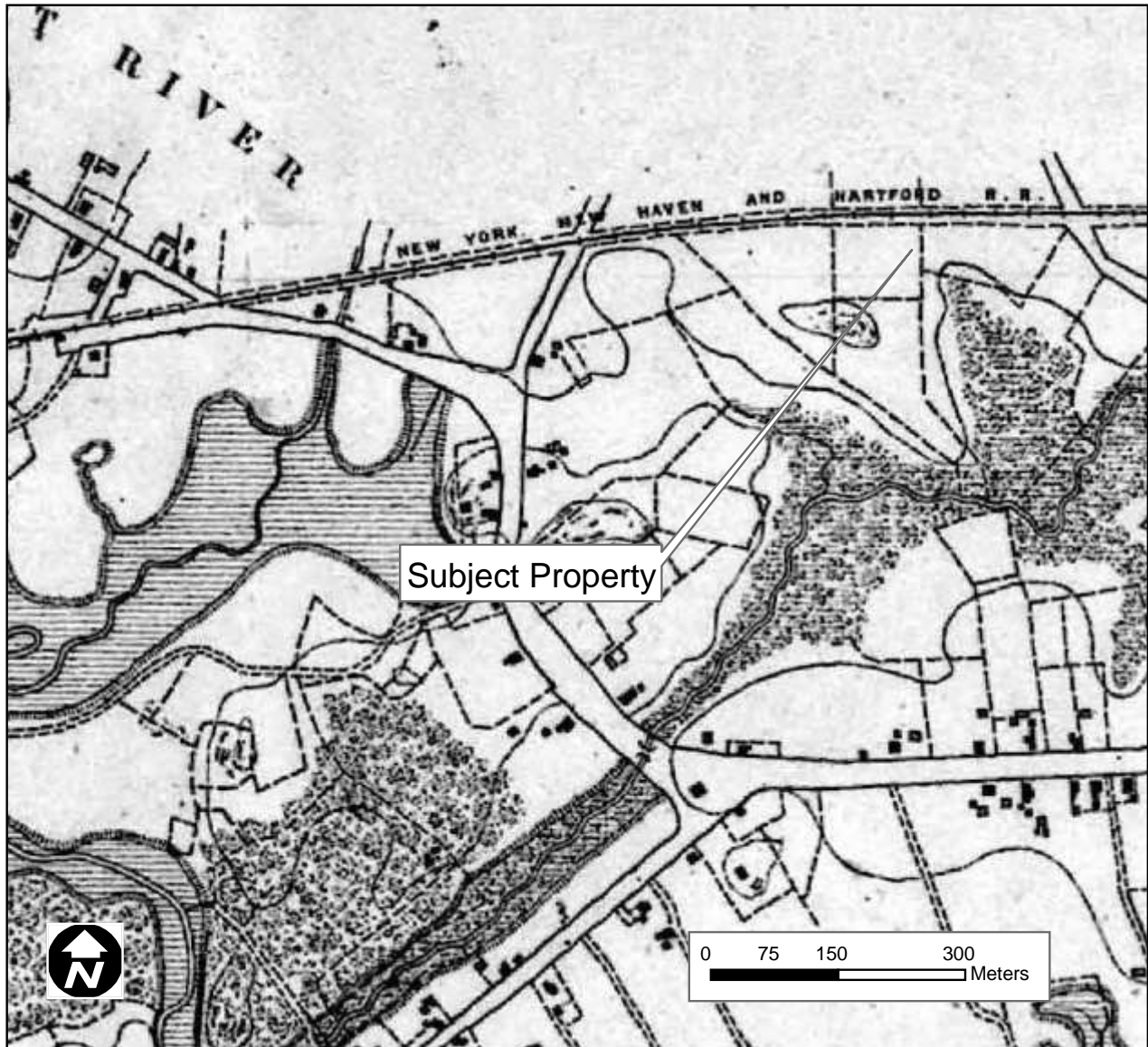


Figure 5. Excerpt from an historic 1884 map depicting the Area of Potential Effect in Madison, Connecticut.



Figure 6. Excerpt from a 1934 aerial photograph depicting the Area of Potential Effect in Madison, Connecticut.

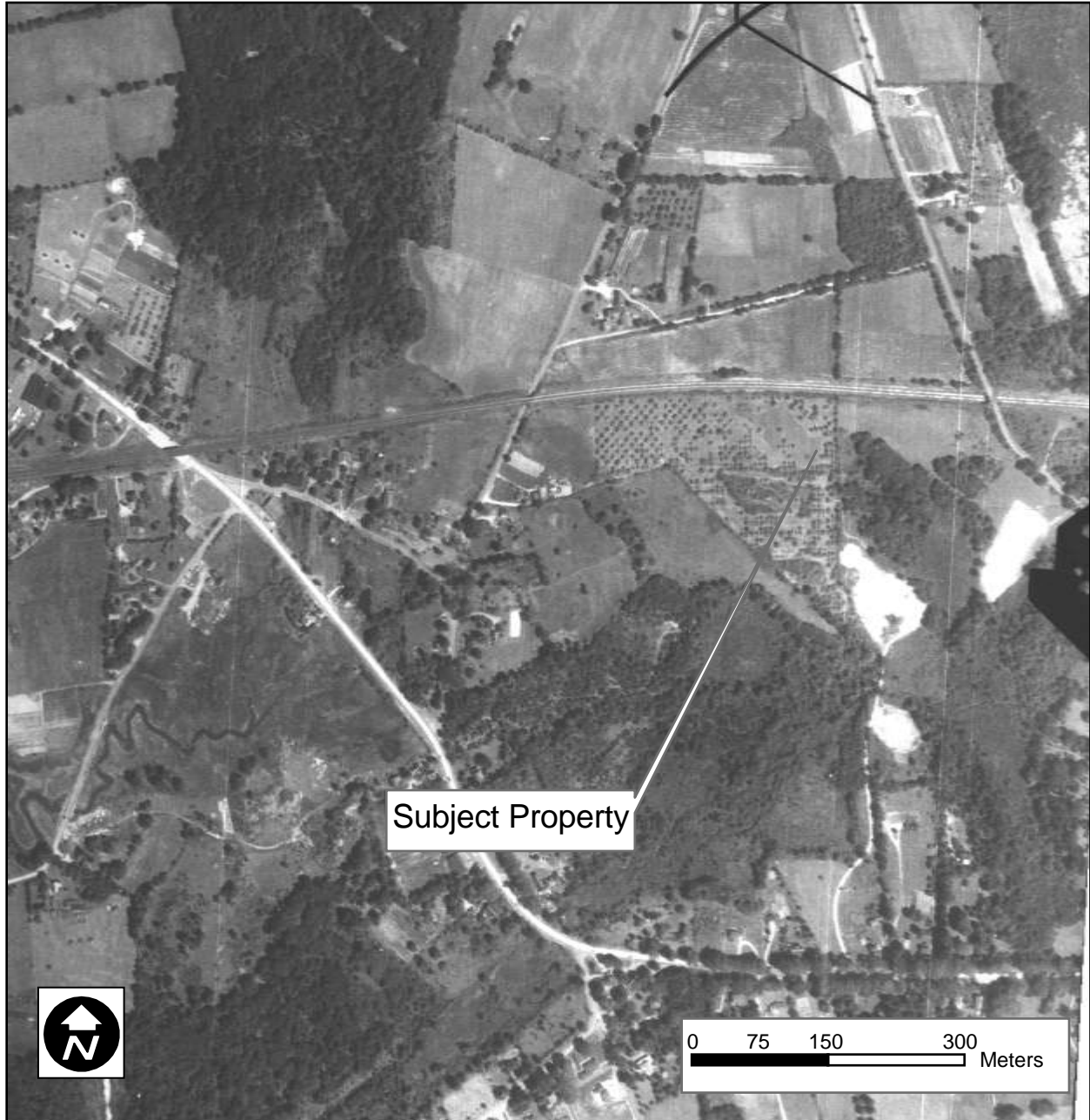


Figure 7. Excerpt from a 1951 aerial photograph depicting the Area of Potential Effect in Madison, Connecticut.

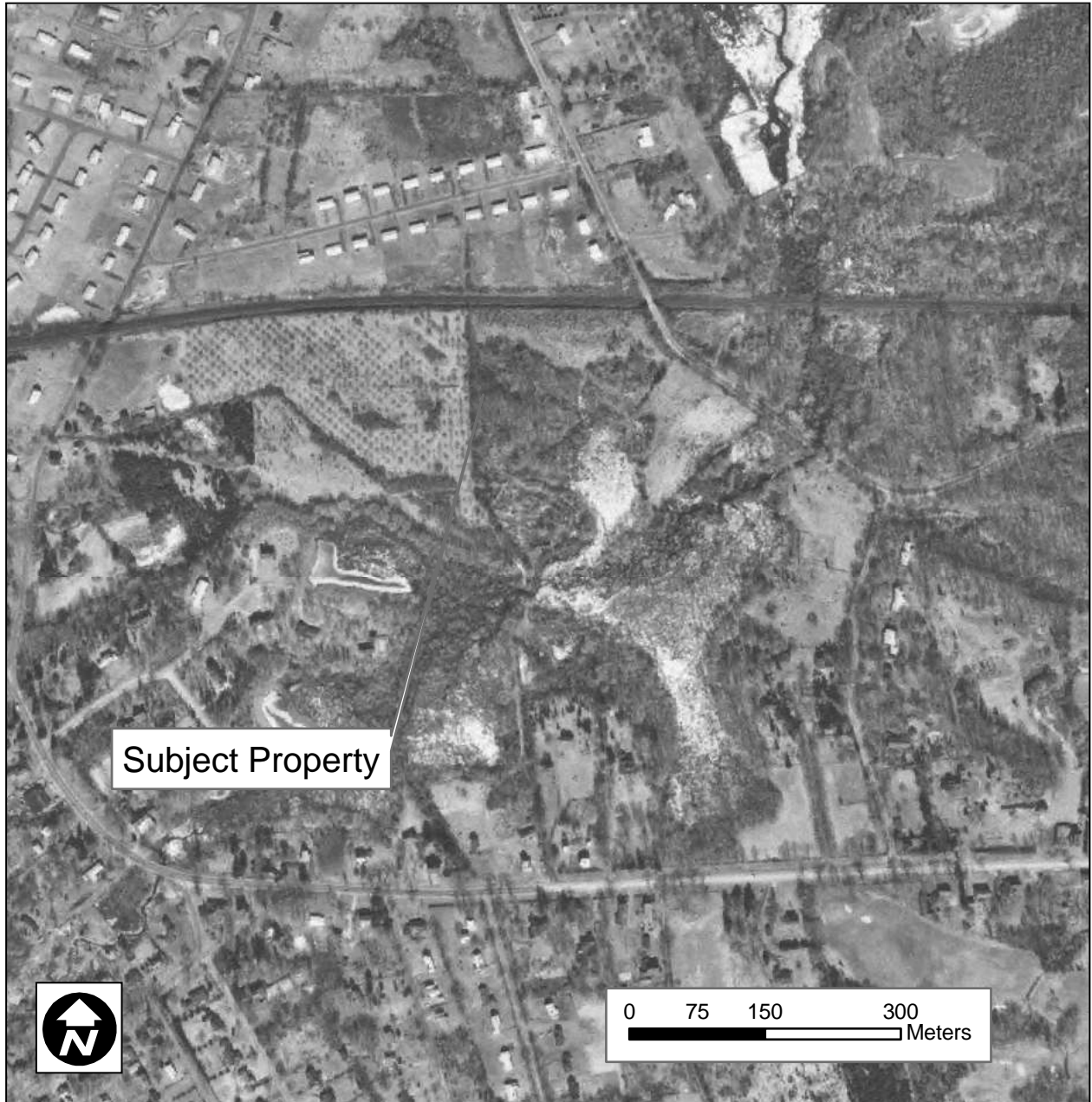


Figure 8. Excerpt from a 1970 aerial photograph depicting the Area of Potential Effect in Madison, Connecticut.

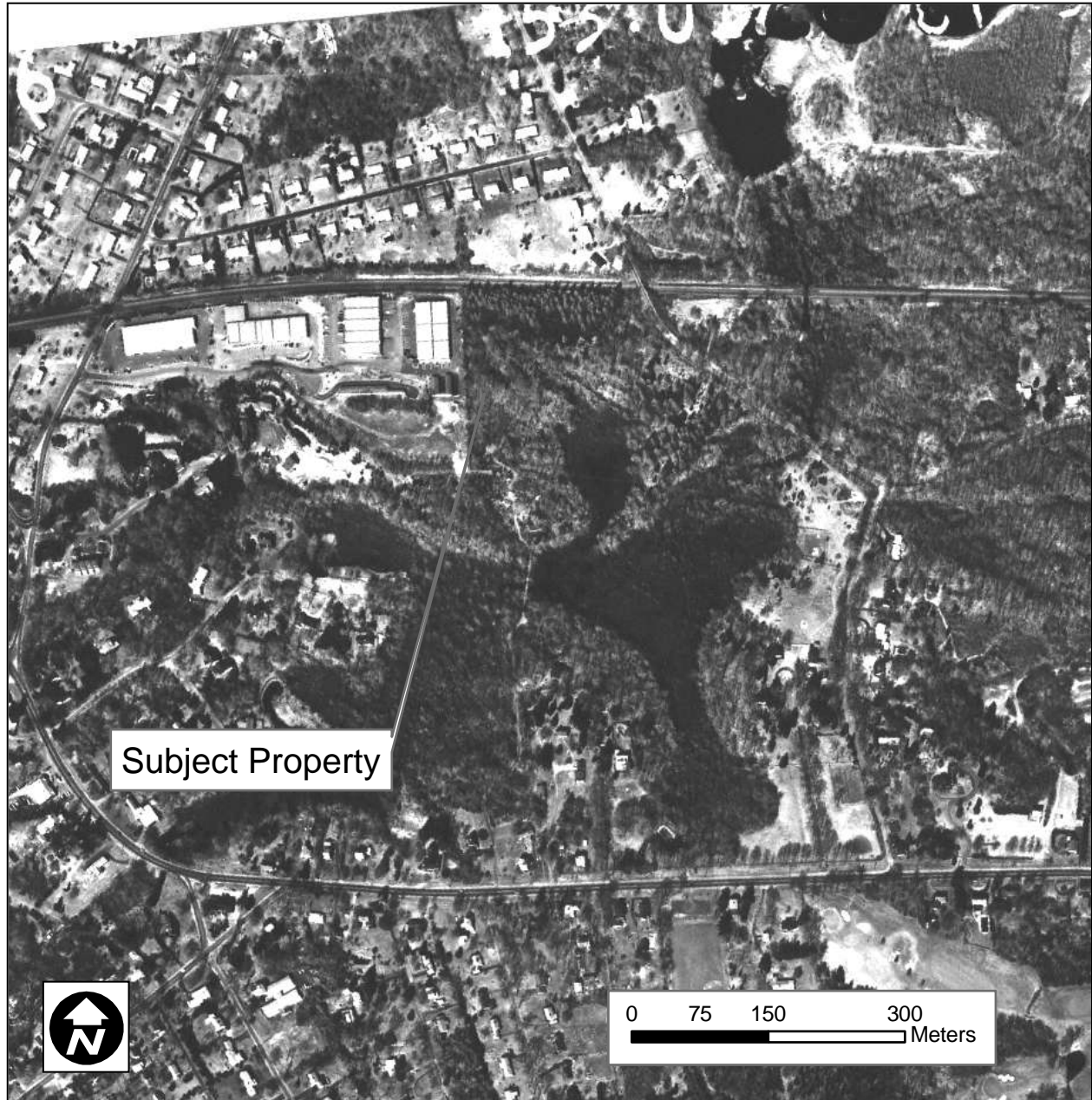


Figure 9. Excerpt from a 1986 aerial photograph depicting the Area of Potential Effect in Madison, Connecticut.



Figure 10. Excerpt from a 1995 aerial photograph depicting the Area of Potential Effect in Madison, Connecticut.

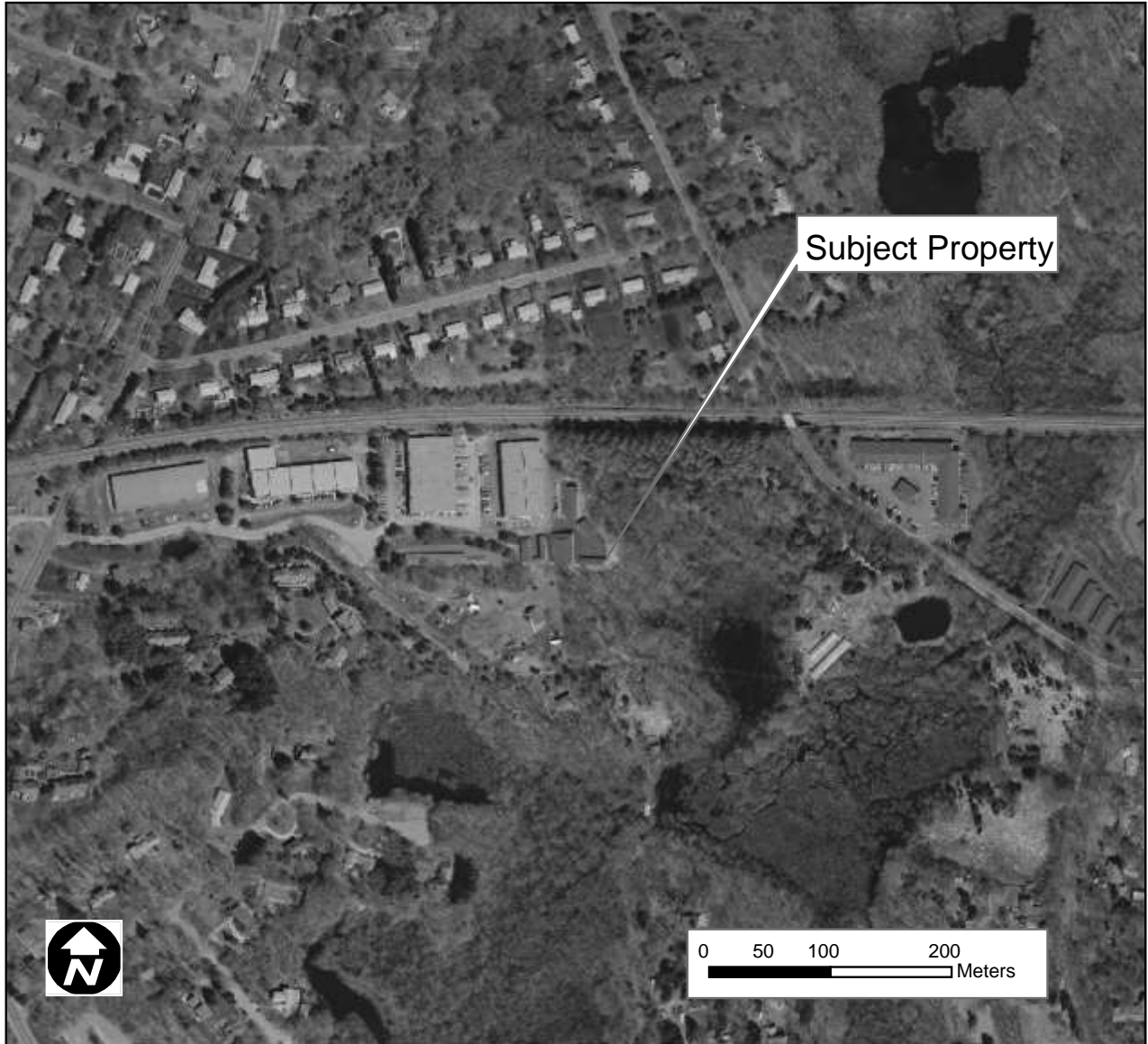


Figure 11. Excerpt from a 2004 aerial photograph, depicting the Area of Potential Effect in Madison, Connecticut.

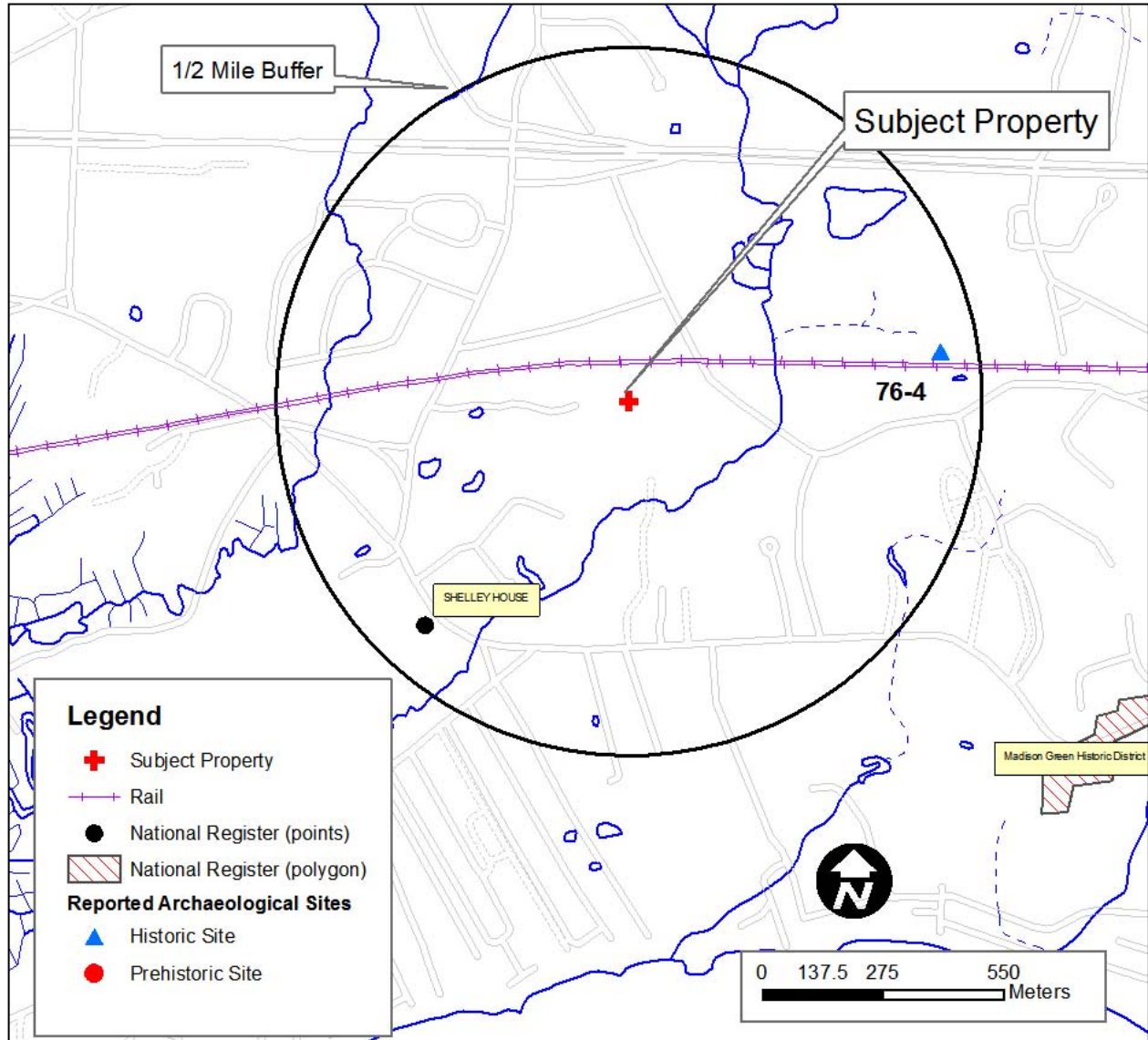


Figure 12. A digital map depicting previously identified archaeological sites and National Register of Historic Places properties situated within the vicinity of the Area of Potential Effect in Madison, Connecticut.

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3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 10. Effects on Identified Properties

For each property identified as a Historic Property in Attachments 8 and 9:

- a. Indicate whether the Applicant believes the proposed undertaking would have a) no effect; b) no adverse effect; or, c) an adverse effect. Explain how each such assessment was made. Provide supporting documentation where necessary.

Based on a review of files conducted by Connecticut Commission on Culture and Tourism on November 20, 2008 was conducted by Mr. Keegan, Archaeologist, of Heritage Consultants, LLC, the results of any comments received from Indian Tribes, NHOs, local governments, or members of the public that identify Historic Properties in the APE for visual effects that are not listed in Attachment 8a, and the results of Ms. Godat, Architectural Historian, of EBI Consulting evaluation of each property in the APE for direct effects, not listed in Attachment 9a, according to the National Register of Historic Places criteria of eligibility (36 C.F.R. Part 63), the following Historic Properties have been identified within the APE and the effect of the project on each property are outlined as follows.

NRHP/ Inventory Number	Historic Property Name	Effect Determination	Explanation of Effect Determination	EBI Photo No.
n/a	Shelley House	No effect	The installation will have no effect on the resource due to the distance from the Project Site, the topography, and trees between the Project Site and the resource.	19

- b. Provide copies of any correspondence and summaries of any oral communications with the SHPO/THPO.

As of the date of this report, there has been no correspondence with the SHPO/THPO.

- c. Describe any alternatives that have been considered that might avoid, minimize, or mitigate any adverse effects. Explain the Applicant’s conclusion regarding the feasibility of each alternative.

As noted in Attachment 10, no adverse effects are expected as a result of the proposed facility; therefore alternatives that might avoid, minimize, or mitigate any adverse effects need not be considered.

Applicant’s Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

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.5 to 10 hours

Attachment 11. Photographs

Except in cases where no Historic Properties were identified within the Areas of Potential Effects, submit photographs as described below. Photographs should be in color, marked so as to identify the project, keyed to the relevant map (*see* Item 12 below) or text, and dated; the focal length of the lens should be noted. The source of any photograph included but not taken by the Applicant or its consultant (including copies of historic images) should be identified on the photograph.

- a. Photographs taken from the tower site showing views from the proposed location in all directions. The direction (*e.g.*, north, south, etc.) should be indicated on each photograph, and, as a group, the photographs should present a complete (360 degree) view of the area around the proposed tower.
- b. Photographs of all listed and eligible properties within the Areas of Potential Effects.
- c. If any listed or eligible properties are visible from the proposed tower site, photographs looking at the tower site from each historic property. The approximate distance in feet (meters) between the site and the historic property should be included.
- d. Aerial photos of the APE for visual effects, if available.

Please see the attached Photographs, which were taken by Ms. Godat, Architectural Historian, of EBI Consulting on November 20, 2008, unless otherwise noted. A photograph location map is included in Attachment 12, Maps.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

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.5 to 10 hours



1. View looking west
from the Project
Site.



2. View looking north
from the Project
Site

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Project Name: Amtrak Madison
Project Number: CTNH808A

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3. View looking east from the Project Site



4. View looking south from Project Site

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5. View looking east across the Project Site



6. View looking southeast across the Project Site.

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Project Number: CTNH808A

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7. View looking southwest across the Project Site



8. View looking northwest across the Project Site.

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Project Name: Amtrak Madison
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.5 to 10 hours



9. View looking west from the Project Site showing the underground utility corridor.



10. View looking west showing the underground utility corridor

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Project Number: CTNH808A

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11. View looking east showing the Subject Property and the underground utility corridor



12. View looking east showing the underground utility corridor

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Project Name: Amtrak Madison
Project Number: CTNH808A

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13. View looking northeast, showing the Subject Property buildings.



14. View looking northeast from the Boston Post Road at a distance of approximately 1/2 mile.

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15. View looking north toward the Project Site from Neck Road at a distance of approximately 1/2 mile.



16. View looking northwest toward the Subject Property from Stony Lane at a distance of approximately 1/2 mile.

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Project Number: CTNH808A

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17. View looking southwest toward the Subject Property from the intersection of Fort Path road and Jannas Lane at a distance of approximately 1/2 mile.



18. View looking southeast toward the Subject Property at a distance of approximately 1/2 mile.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

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19. View of the Shelley House (248 Boston Post Road) looking south.



20. View looking northeast toward the Subject Property from the Shelley House

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

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Attachment 12. Maps

Include one or more 7.5-minute quad USGS topographical maps that:

- a. Identify the Areas of Potential Effects for both direct and visual effects. If a map is copied from the original, include a key with name of quad and date.
- b. Show the location of the proposed tower site and any new access roads or other easements including excavations.
- c. Show the locations of each property listed in Attachments 8 and 9.
- d. Include keys for any symbols, colors, or other identifiers.

The following maps have been attached to this report:

Street Map (Figure 1)

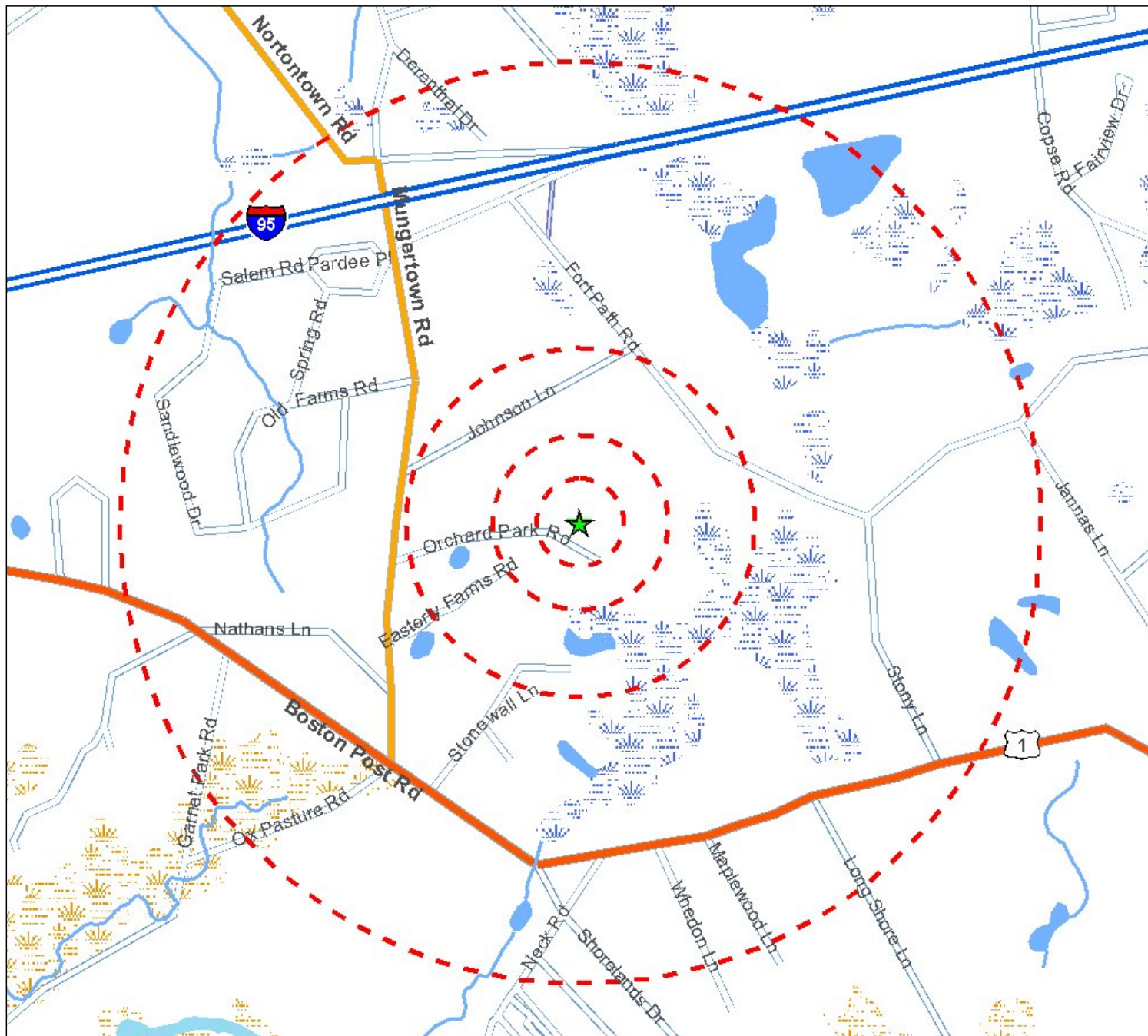
Topographic Map (Figure 2)

Subject Property Site Sketch (Figure 3)

Photo-location Map (Figure 4)

Site Plans/Lease Exhibits provided by the OCI

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A



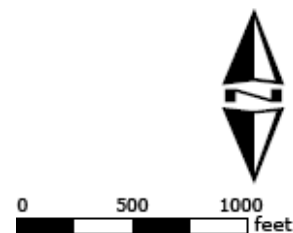
Legend

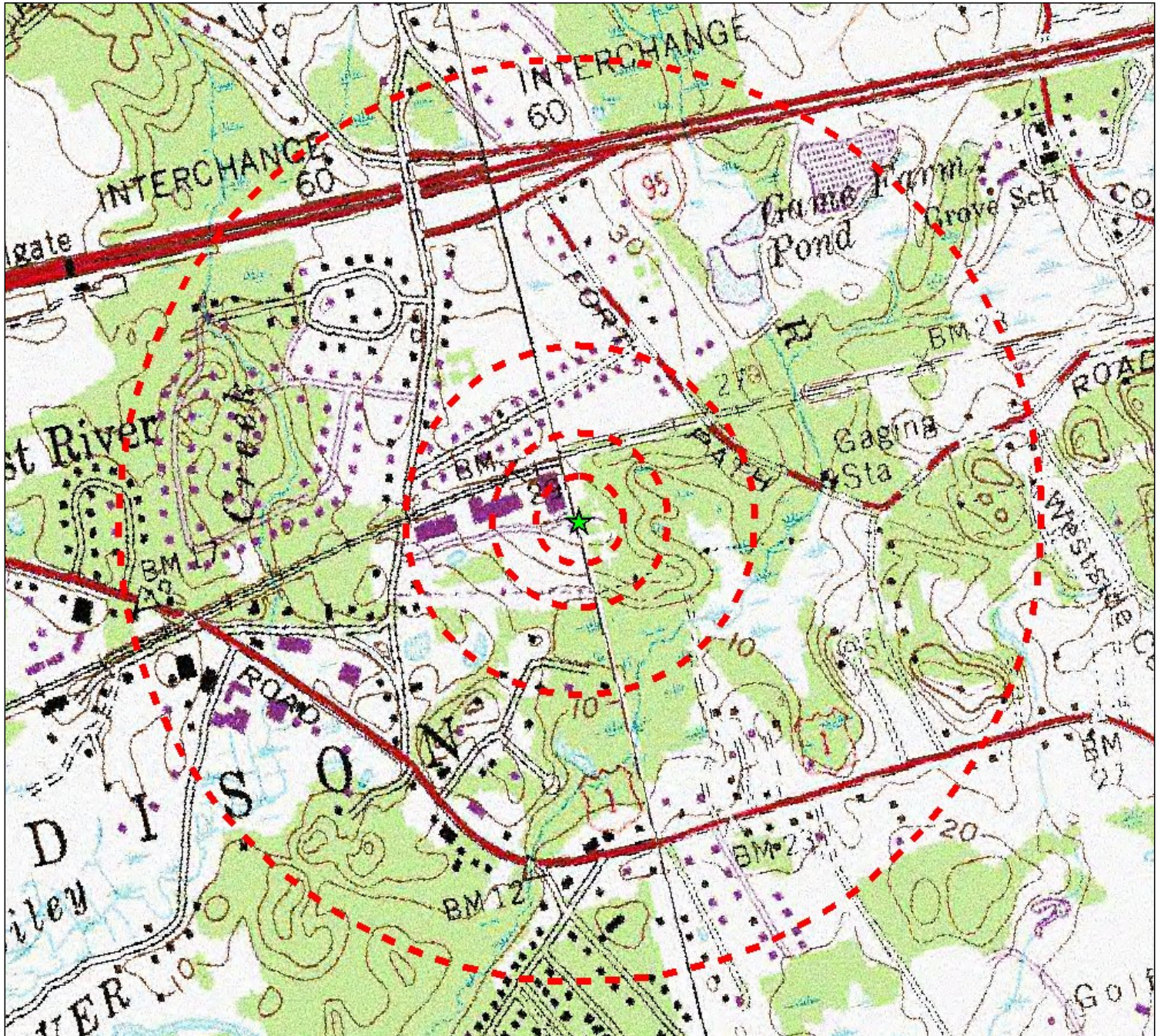
- ★ Project Site
- Site Buffer at 250', 500', 1000' and 1/2 mile

Source: Selected data from ESRI, EBI and NWI

Figure 1 - Site Location Map

CTNH808A/Amtrak Madison
7 Orchard Park Road
Madison, CT 06442-2273





Legend

- ★ Project Site
- ▭ Site Buffer at 250', 500', 1000' and 1/2 mile

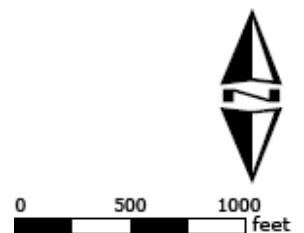
USGS 24k Quad: Guilford, CT 1985 and Clinton, CT 1985

Source: Selected data from ESRI, EBI and USGS

Figure 2 - USGS Quad Location Map

CTNH808A/Amtrak Madison
7 Orchard Park Road
Madison, CT 06442-2273

PN: 61087296



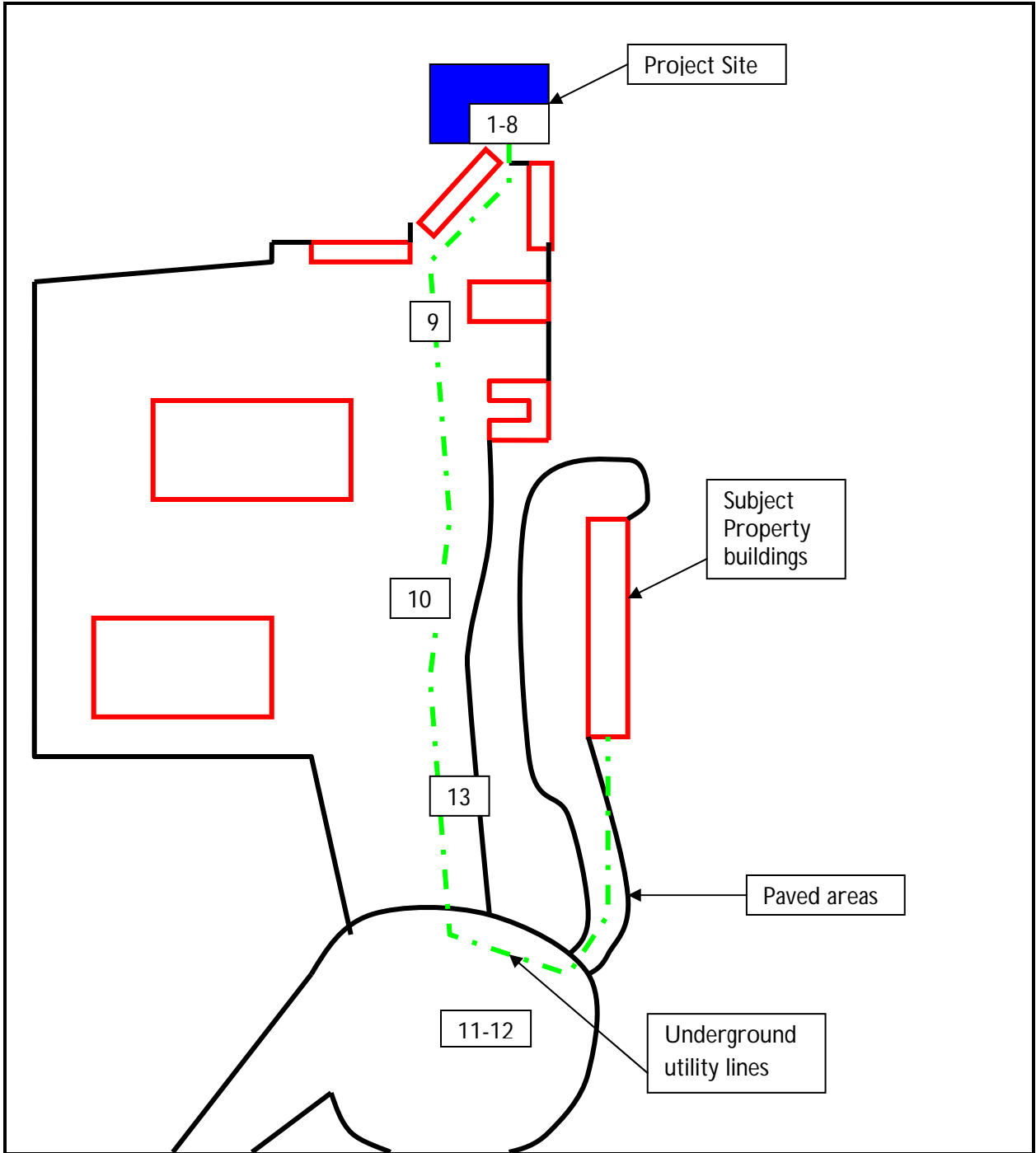


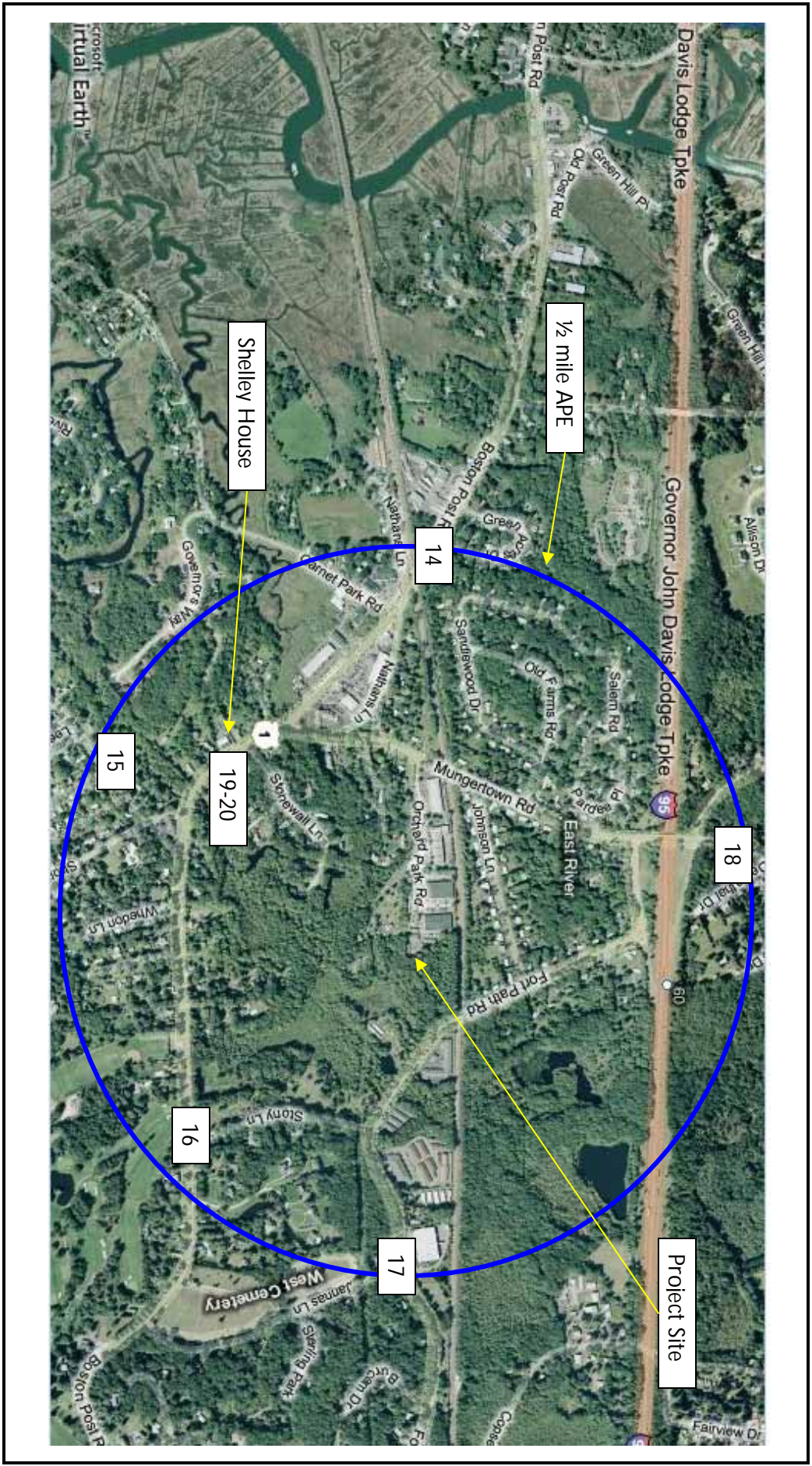
Figure 3 – Site Map

Amtrak Madison/CTNH808A
7 Orchard Park Road
Madison, CT 06442
EBI Project No.: 61087296

Photographs 14-20
See Figure 4

Not to Scale





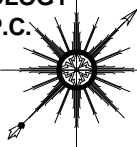
Photographs 1-13
See Figure 3



Figure 4 – Photo Location Map
Amtrak Madison/CTNH808A
7 Orchard Park Road
Madison, CT 06442
EBI Project No. 61087296

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE
KILLINGWORTH, CT, 06419
PHONE: (860)-663-1697
FAX: (860)-663-0935
www.allpointstech.com



APT FILING NUMBER: CT-255T-340

LE-1

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 10/31/08

CHECKED BY: SMC

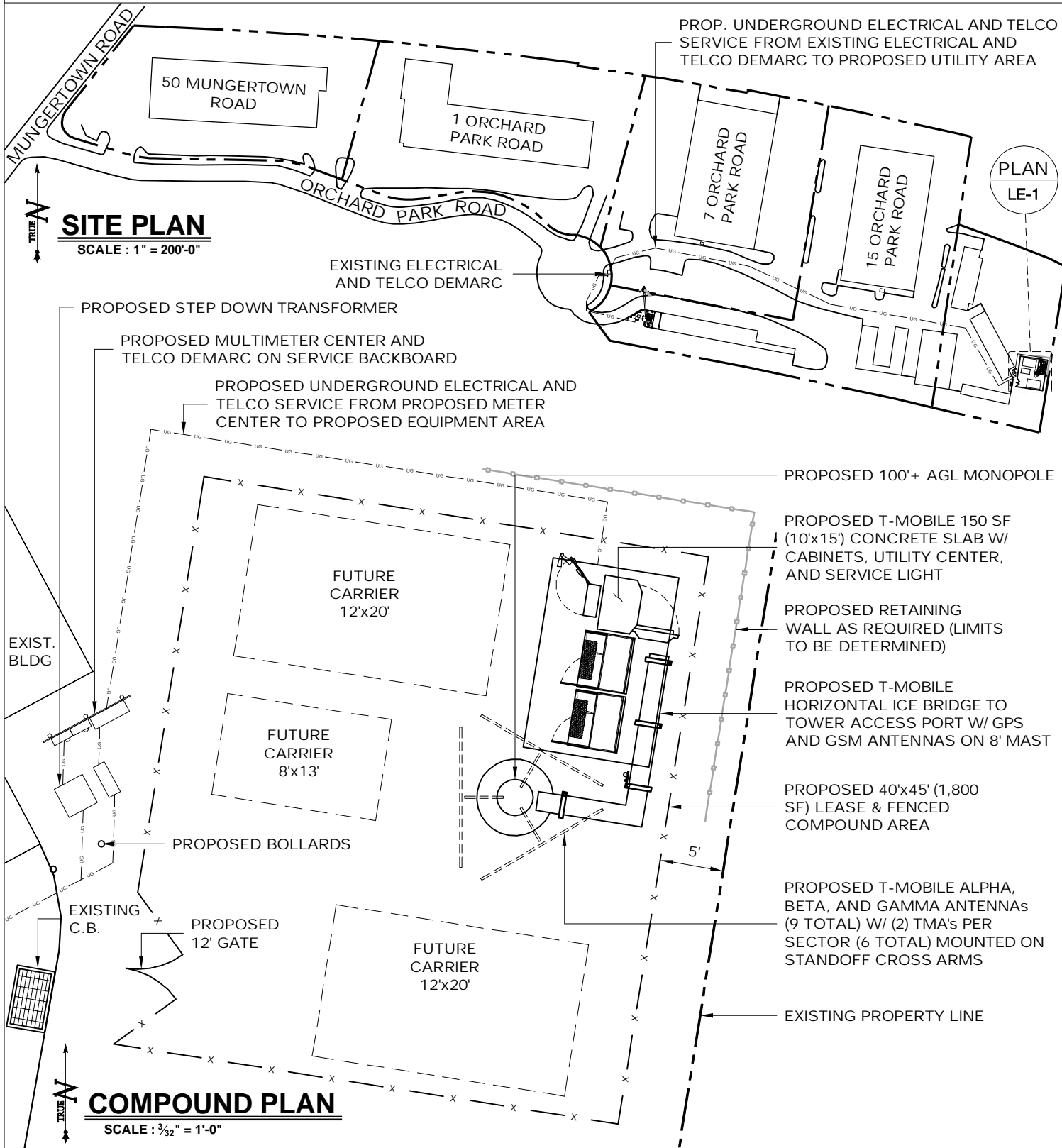


**T-MOBILE SITE NUMBER
CTNH808A**

**AMTRAK MADISON
7 ORCHARD PARK ROAD
MADISON, CT 06443-2273**

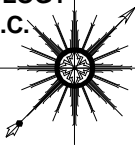
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

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ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY OMNIPPOINT COMMUNICATIONS INC. STRUCTURAL & RF ENGINEERS. LOCATIONS OF POWER & TELEPHONE FACILITIES AND APPLICABLE EASEMENTS ARE SUBJECT TO APPROVAL AS PER UTILITY COMPANIES DIRECTION.



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www.allpointstech.com



APT FILING NUMBER: CT-255T-340

LE-2

SCALE: AS NOTED

DRAWN BY: AAJ

DATE: 10/31/08

CHECKED BY: SMC

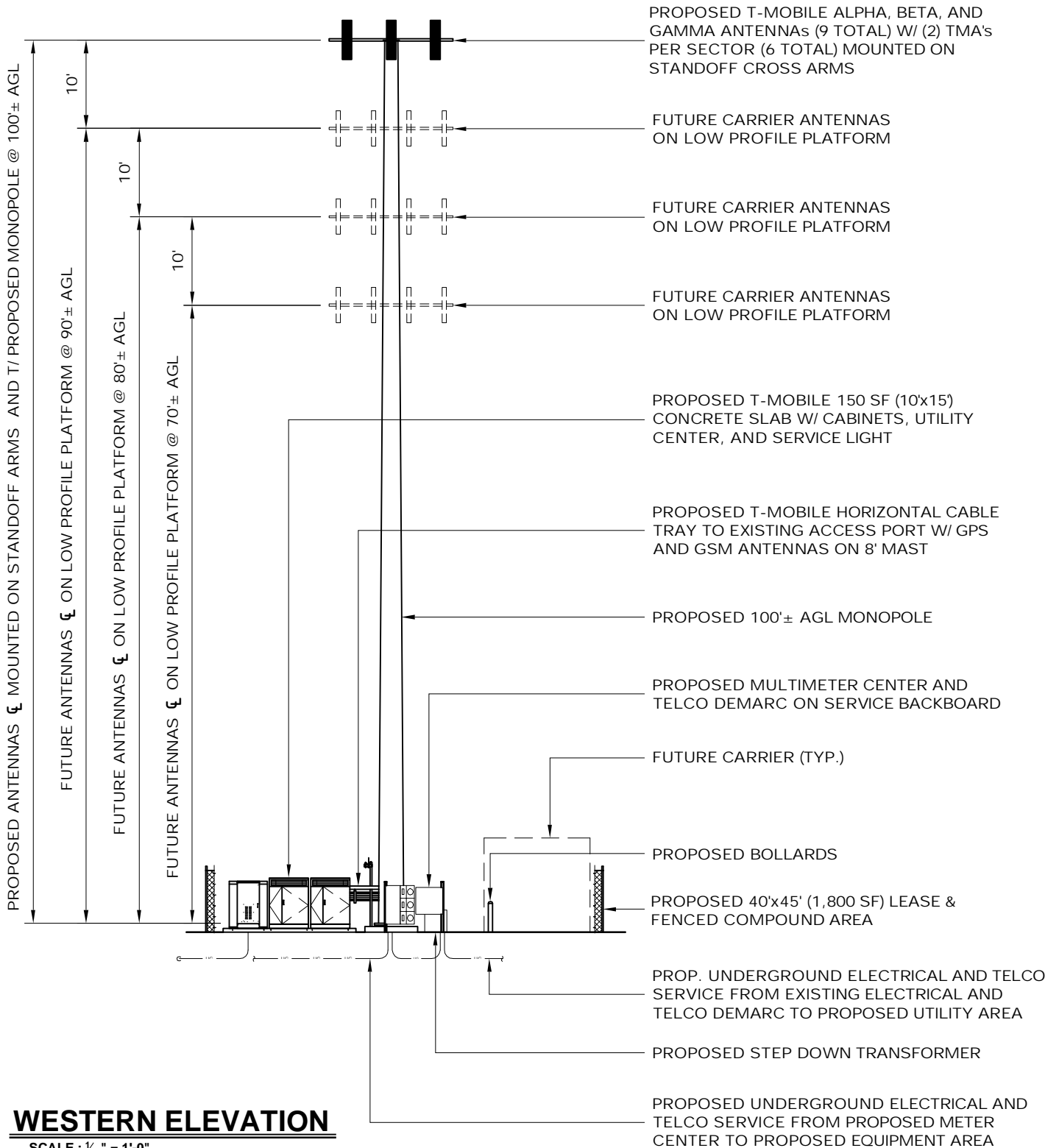


**T-MOBILE SITE NUMBER
CTNH808A**

**AMTRAK MADISON
7 ORCHARD PARK ROAD
MADISON, CT 06443-2273**

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
OFFICE: (860)-692-7100

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WESTERN ELEVATION

SCALE : $\frac{1}{16}'' = 1'-0''$

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3060-1039

Estimated Time Per Response:

.5 to 10 hours

Attribution and Bibliographic Standards. All reports included in the Submission Packet should be footnoted and contain a bibliography of the sources consulted.

- a. Footnotes may be in a form generally accepted in the preparer's profession so long as they identify the author, title, publisher, date of publication, and pages referenced for published materials. For archival materials/documents/letters, the citation should include author, date, title or description and the name of the archive or other agency holding the document.
- b. A bibliography should be appended to each report listing the sources of information consulted in the preparation of the report. The bibliography may be in a form generally accepted in the preparer's profession.

Submission Packet Works Cited:

File Review was conducted at the Connecticut Commission on Culture and Tourism on November 20, 2008 by William Keegan, Historical Geographer and Geographic Information Specialist, of Heritage Consultants, LLC.

National Register of Historic Places, National Register Information System, <http://www.nr.nps.gov/> (accessed November 20, 2008).

Town of Madison website, <http://www.madisonct.org/>, (accessed November 20, 2008).

USGS Topographic Map, Clinton, CT 1985.

USGS Topographic Map, Guilford, CT 1985.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

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The FCC is authorized under the Communications Act of 1934, as amended, to collect the personal information we request in this form. We will use the information provided in the application to determine whether approving this application is in the public interest. If we believe there may be a violation or potential violation of a FCC statute, regulation, rule or order, your application may be referred to the Federal, state or local agency responsible for investigating, prosecuting, enforcing or implementing the statute, rule, regulation or order. In certain cases, the information in your application may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; (b) any employee of the FCC; or (c) the United States Government is a party to a proceeding before the body or has an interest in the proceeding. In addition, all information provided in this form will be available for public inspection.

If you owe a past due debt to the federal government, any information you provide may also be disclosed to the Department of Treasury Financial Management Service, other federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide this information to these agencies through the matching of computer records when authorized.

If you do not provide the information requested on this form, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

We have estimated that each response to this collection of information will take an average of .50 to 10 hours. Our estimate includes the time to read the instructions, look through existing records, gather and maintain the required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, AMD-PERF, Paperwork Reduction Project (3060-1039), Washington, DC 20554. We will also accept your comments via the Internet if you send them to PRA@fcc.gov. Please DO NOT SEND COMPLETED APPLICATIONS TO THIS ADDRESS. Remember - you are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number of if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1039.

All parties and entities doing business with the Commission must obtain a unique identifying number called the FCC Registration Number (FRN) and supply it when doing business with the Commission. Failure to provide the FRN may delay the processing of the application. This requirement is to facilitate compliance with the Debt Collection Improvement Act of 1996 (DCIA). The FRN can be obtained electronically through the FCC webpage at <http://www.fcc.gov> or by manually submitting FCC Form 160. FCC Form 160 is available from the FCC's web site at <http://www.fcc.gov/formpage.html>, by calling the FCC's Forms Distribution Center 1-800-418-FORM (3676), or from Federal Communications Commission Fax Information System by dialing (202) 418-0177.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1995, P.L. 104-13, OCTOBER 1, 1995, 44 U.S.C. 3507.

Applicant's Name: T-Mobile USA
Project Name: Amtrak Madison
Project Number: CTNH808A

APPENDIX E
TRIBAL CORRESPONDENCE



FEDERAL COMMUNICATIONS COMMISSION
Wireless Telecommunications Bureau
1270 Fairfield Road
Gettysburg, PA 17325-7245

**NOTICE OF ORGANIZATION(S) WHICH WERE SENT
PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION**

T MOBILE USA
21 B STREET
BURLINGTON, MA 01803

Date: 11/21/2008
Reference Number:

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

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

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

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

None

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

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

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

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

6. Director - Ruth Pierpont - Bureau of Field Services, NY State Parks &* Hist. Pres. - Waterford, NY - electronic mail
7. SHPO - Frederick Williamson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - regular mail
8. Deputy SHPO - Edward Sanderson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - electronic mail
9. SHPO - Karen Senich - Connecticut Commission on Culture and Tourism - Hartford, CT - electronic mail

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

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your 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: 11/13/2008

Notification ID: 46868

Tower Owner Individual or Entity Name: T Mobile USA

Consultant Name: Jeff Previte

P.O. Box:

Street Address: 21 B Street

City: Burlington

State: MA

Zip Code: 01803

Phone: 781-418-2345

Email: jgeorge@ebiconsulting.com

Structure Type: UTOWER - Unguyed - Free Standing Tower

Latitude: 41 deg 16 min 59 sec N

Longitude: 72 deg 37 min 27 sec W

Letter to *T Mobile USA Jeff G Previte*

Date: 11/21/2008

Page 4

Location Description: 7 orchard park rd

City: madison

State: CONNECTICUT

County: NEW HAVEN

Ground Elevation: 12.5 meters

Support Structure: 30.5 meters above ground level

Overall Structure: 30.5 meters above ground level

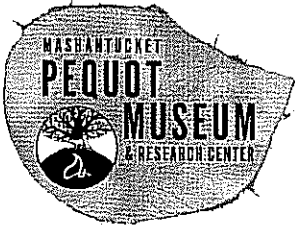
Overall Height AMSL: 43.0 meters above sea level

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). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission



4-3-09

Mr. Brian Hooper,
Staff Scientist
EBI Consulting
21 B Street
Burlington, MA 01803

Re: PRELIMINARY ARCHEOLOGICAL ASSESSMENT OF THE PROPOSED
MADISON TELECOMMUNICATIONS TOWER CTNH808A LOCATED AT 7
ORCHARD PARK ROAD IN MADISON, CONNECTICUT
TCNS NOTIFICATION ID # 46868

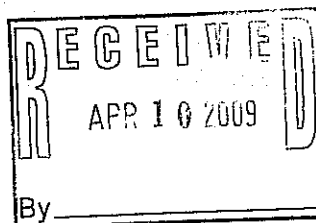
Dear Mr. Hooper,

I have reviewed the Preliminary Archeological Assessment entitled "PRELIMINARY ARCHEOLOGICAL ASSESSMENT OF THE PROPOSED MADISON TELECOMMUNICATIONS TOWER CTNH808A LOCATED AT 7 ORCHARD PARK ROAD IN MADISON, CONNECTICUT," submitted by Heritage Consultants. 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.

Sincerely,

Kathleen Knowles

Kathleen Knowles,
Tribal Historic Preservation Officer
Mashantucket Pequot Tribe



MASHANTUCKET PEQUOT MUSEUM
& RESEARCH CENTER

110 Pequot Trail, PO Box 3180
Mashantucket, CT 06338
Phone: 860 396 6800
Fax: 860 396 6850
www.pequotmuseum.org



Tower Construction Notification

[FCC](#) > [WTB](#) > Tower Construction Notification

[FCC Site Map](#)

Logged In: ([Log Out](#)) [Section 106](#)

Tower Construction Notification Notification Reply

[Notifications Home](#) [Notification Replies](#)

The replies for Notification ID 46868 are shown.

Reply Information

Reply Date: **11/19/2008**

Name of Replier: **Kathleen Knowles, Mashantucket Pequot Tribe**

Message

Dear Mr. Previte, Regarding Notification ID # 46868, after reviewing the information provided, we have no knowledge of properties of religious and cultural importance to the Mashantucket Pequot Tribe. However, we recommend a Phase I Archaeological Reconnaissance Survey be conducted to identify previously unknown properties of cultural and religious importance. We would appreciate a copy of any work performed on this project. Kathleen Knowles, Tribal Historic Preservation Officer Mashantucket PequotTribe

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Federal Communications Commission
445 12th Street SW
Washington, DC 20554
[More FCC Contact Information...](#)

Phone: 1-877-480-3201
TTY: 1-717-338-2824
Fax: 1-866-418-0232
[Submit Help Request](#)

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Narragansett Indian Tribal Historic Preservation Office
Section 106 Review
Consultation Response Form

TCNS Notification ID Number:	46868
EBI Project Number:	61077296
Address or Location Description:	7 Orchard Park Road
City, State:	Madison, CT
Point of Contact/Initial Submission	Brian Hooper

Response:

We have no comments related to the proposed project.

NITHPO's site examination revealed no indicators of the presence of past tribal cultural resources. On behalf of the Narragansett Indian Tribe, the NITHPO considers this project in compliance with and cleared of the Narragansett Tribe's section 106 concerns. NITHPO anticipates no inadvertent encounters by you or your client with significant intact cultural resources (burials, village sites or ceremonial sites).

Based on information provided to us the site is not to include any ground disturbance and is therefore found to be in compliance with and cleared of the Narragansett Tribe's section 106 concerns.

NITHPO's site examination revealed probable indicators of the presence of past tribal cultural resources, and recommends the following actions:

Exception: *If archaeological materials or human remains are encountered during construction, the Narragansett Indian Tribal Historic Preservation Office and applicable Historic Preservation Office(s) will be notified.*

Sequahna Mars
Sequahna Mars, Project Manager, NITHPO

6/18/09
Date

Narragansett Indian Tribal Historic Preservation Office
P.O. Box 350
Wyoming, RI 02898
Email: Sequahna@yahoo.com
Phone: 401-419-2959 Fax: 401-491-9044

June 5, 2009

Ms. Sequahna Mars
C/O NITHPO
P.O. Box 350
Wyoming, RI 02898

RE: Fourth Follow-Up Invitation to Comment in Section 106 Review Process

TCNS Reference No: 46868
Wireless Site Name: CTNH808A/ Amtrak Madison
Site Address: 7 Orchard Park Road, Madison, CT 06442
EBI Project No.: 61077296

Dear Ms. Mars:

T-Mobile USA is proposing to construct a wireless telecommunications facility at the above-referenced location. T-Mobile USA has retained EBI Consulting (EBI) to conduct a review of proposed telecommunication facility for compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Construction Notification System (TCNS) notice (Notification ID 46868), which was sent on November 21, 2008. Additionally, based on EBI's pre-existing relationship with your Tribe, EBI submitted additional information on the proposed project including maps, site plans, photographs, and a review fee on December 9, 2008. Additional follow-up notices regarding the proposed project were forwarded to your attention on January 15, 2009, January 26, 2009 and May 15, 2009.

As of the date of this letter, EBI has not received a response from your Tribe indicating whether you have interest in commenting on this project.


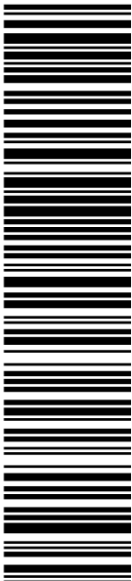
Please respond by June 15, 2009 with an opinion of interest or no interest in commenting further on this project. Should you have any questions or require additional information, please contact me at (781) 418-2320 or bhooper@ebiconsulting.com.

Respectfully Submitted,



Mr. Brian Hooper
Staff Scientist

SHIPPING ASSISTANT - LABEL TOTAL: \$4.95

	U.S. POSTAGE REQUIRED
	USPS PRIORITY MAIL®
KRUSHANGI PATEL EBI CONSULTING 21 B ST BURLINGTON MA 01803-3485	SHIP DATE: 6/5/2009 WEIGHT: 0 lb, 6 oz. Flat Rate Envelope Ref#: 61091920
SHIP TO: MS. SEQUAHNA MARS NARRAGANSETT INDIAN TRIBE PO BOX 350 WYOMING RI 02898-0350	ZIP - e/ USPS DELIVERY CONFIRM
	420 02898 9101 8052 1368 3155 7617 32
Electronic Rate Approved # 805213907	

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Delivery Confirmation service*

Print Date: 06/05/09

Ship Date: 06/05/09

Electronic Option Delivery Confirmation Service Fee: 0.00

From: KRUSHANGI PATEL

Ref#: 61091920

EBI CONSULTING

21 B ST

BURLINGTON MA 01803-3485

To:

MS. SEQUAHNA MARS

NARRAGANSETT INDIAN TRIBE

PO BOX 350

WYOMING RI 02898-0350

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May 15, 2009

Ms. Sequahna Mars
C/O NITHPO
P.O. Box 350
Wyoming, RI 02898

RE: Fourth Follow-Up Invitation to Comment in Section 106 Review Process

TCNS Reference No: 46866

Wireless Site Name: CTNL803A/ South Shore Landing Self Storage- Amtrak

Site Address: 232 Shore Road, Old Lyme, CT, 06371

EBI Project No.: 61087294

Dear Ms. Mars:

T-Mobile USA is proposing to construct a wireless telecommunications facility at the above-referenced location. T-Mobile USA has retained EBI Consulting (EBI) to conduct a review of proposed telecommunication facility for compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Construction Notification System (TCNS) notice (Notification ID 46866), which was sent on November 21, 2008. Additionally, based on EBI's pre-existing relationship with your Tribe, EBI submitted additional information on the proposed project including maps, site plans, photographs, and a review fee on December 9, 2008. Additional follow-up notices regarding the proposed project was forwarded to your attention on January 15, 2009 and January 26, 2009.

As of the date of this letter, EBI has not received a response from your Tribe indicating whether you have interest in commenting on this project.



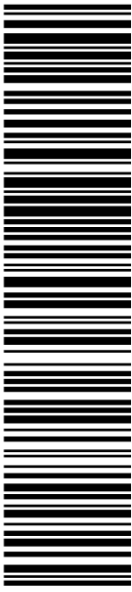
Please respond by May 25, 2009 with an opinion of interest or no interest in commenting further on this project. Should you have any questions or require additional information, please contact me at (781) 418-2320 or bhooper@ebiconsulting.com.

Respectfully Submitted,



Mr. Brian Hooper
Staff Scientist

SHIPPING ASSISTANT - LABEL TOTAL: \$4.95

	U.S. POSTAGE REQUIRED
	USPS PRIORITY MAIL®
EBI EMPLOYEE 21 B ST BURLINGTON MA 01803-3485	SHIP DATE: 5/15/2009 WEIGHT: 0 lb, 6 oz. Flat Rate Envelope Ref#: 61087296
SHIP TO: MS. SEQUAHNA MARS NARRAGANSETT INDIAN TRIBE PO BOX 350 WYOMING RI 02898-0350 	ZIP - e/ USPS DELIVERY CONFIRM
	
420 02898 9101 8052 1368 3121 4014 19	
Electronic Rate Approved # 805213907	

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3. Place label so that it does not wrap around the edge of the package.
4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service.
5. Stamped packages weighing 13 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup page on www.usps.com.
6. Each shipping label number is unique and can be used only once - DO NOT PHOTOCOPY.
7. Please use this shipping label on the "ship date" selected when you requested the label.

Online e-Label Record

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Priority Mail® with electronic option

Delivery Confirmation service*

Print Date: 05/15/09

Ship Date: 05/15/09

Electronic Option Delivery Confirmation Service Fee: 0.00

From: EBI EMPLOYEE

Ref#: 61087296

21 B ST

BURLINGTON MA 01803-3485

To:

MS. SEQUAHNA MARS

NARRAGANSETT INDIAN TRIBE

PO BOX 350

WYOMING RI 02898-0350

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January 26, 2009

Ms. Sequahna Mars
C/O NITHPO
P.O. Box 350
Wyoming, RI 02898

RE: Third Follow-Up Invitation to Comment in Section 106 Review Process

TCNS Reference No: 46868
Wireless Site Name: CTNH808A/ Amtrak Madison
Site Address: 7 Orchard Park Road, Madison, CT 06442
EBI Project No.: 61077296

Dear Ms. Mars,

T-Mobile USA is proposing to construct a wireless telecommunications facility at the above-referenced location. T-Mobile USA has retained EBI Consulting (EBI) to conduct a review of proposed telecommunication facility for compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005).


This notification has been prepared as a follow-up to the Tower Construction Notification System (TCNS) notice (Notification ID 46868). Additionally, based on EBI's pre-existing relationship with your Tribe, EBI submitted additional information on the proposed project including maps, site plans, photographs, and a review fee on December 9, 2008. An additional follow-up notice regarding the proposed project was forwarded to your attention on January 15, 2009.

As of the date of this letter, a response has not yet been received from your Tribe to schedule a site visit, request additional information, or to request additional review time on this project. Based on the period of elapsed time since the TCNS filing on November 21, 2008, it is the intent of T-Mobile USA to conclude that your Tribe has no further interest in commenting on this project and to subsequently close the consultation process with your Tribe. If your Tribe requires additional review materials, a site visit, or review time, please reply within 10 days of receipt of this letter and we will notify T-Mobile USA of the request. Should you have any questions or require additional information, please contact me at (781) 418-2320 or bhooper@ebiconsulting.com.

Respectfully Submitted,



Mr. Brian Hooper
Staff Scientist




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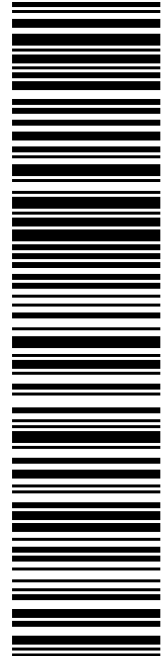
Ref#: 61075136

JOHN RODDY
 EBI CONSULTING
 21 B ST
 BURLINGTON MA 01803-3485

SHIP
 TO: MS. SEQUAHNA MARS
 NARRAGANSETT INDIAN TRIBE
 PO BOX 350
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0103 8555 7495 1844 2610

Paid Online	
Transaction #: 133398501	Priority Mail® Postage: \$4.80
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Ship Date: 01/26/2009	
Weight: 0 lb 6 oz	

From: JOHN RODDY
 EBI CONSULTING
 21 B ST
 BURLINGTON MA 01803-3485

Ref#: 61075136

To: MS. SEQUAHNA MARS
 NARRAGANSETT INDIAN TRIBE
 PO BOX 350
 WYOMING RI 02898-0350

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January 15, 2009

Ms. Sequahna Mars
C/O NITHPO
P.O. Box 350
Wyoming, RI 02898

RE: Second Follow-Up Invitation to Comment in Section 106 Review Process

TCNS Reference No: 46868
Wireless Site Name: CTNH808A/ Amtrak Madison
Site Address: 7 Orchard Park Road, Madison, CT 06442
EBI Project No.: 61077296

Dear Ms. Mars:

T-Mobile USA is proposing to construct a wireless telecommunications facility at the above-referenced location. T-Mobile USA has retained EBI Consulting (EBI) to conduct a review of proposed telecommunication facility for compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Construction Notification System (TCNS) notice (Notification ID 46868), which was sent on November 21, 2008. Additionally, based on EBI's pre-existing relationship with your Tribe, EBI submitted additional information on the proposed project including maps, site plans, photographs, and a review fee on December 9, 2008.


As of the date of this letter, EBI has not received a response from your Tribe indicating whether you have interest in commenting on this project.

Please respond by January 25, 2009 with an opinion of interest or no interest in commenting further on this project. Should you have any questions or require additional information, please contact me at (781) 418-2320 or bhooper@ebiconsulting.com.

Respectfully Submitted,



Mr. Brian Hooper
Staff Scientist




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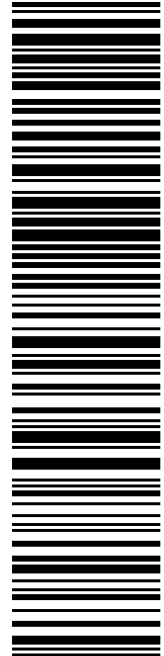
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Ref#: 61084238

JOHN RODDY
 EBI CONSULTING
 21 B ST
 BURLINGTON MA 01803-3485

SHIP TO: MS. SEQUAHNA MARS
 NARRAGANSETT INDIAN TRIBE
 PO BOX 350
 WYOMING RI 02898-0350

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Paid Online	
Transaction #: 132657856	Priority Mail® Postage: \$4.75
Print Date: 01/15/2009	Total: \$4.75
Ship Date: 01/15/2009	
Weight: 0 lb 6 oz	

From: JOHN RODDY
 EBI CONSULTING
 21 B ST
 BURLINGTON MA 01803-3485

Ref#: 61084238

To: MS. SEQUAHNA MARS
 NARRAGANSETT INDIAN TRIBE
 PO BOX 350
 WYOMING RI 02898-0350

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November 25, 2008

Ms. Sequahna Mars
C/O NITHPO
P.O. Box 350
Wyoming, RI 02898

RE: Invitation to Comment in Section 106 Consultation Process

TCNS Reference No: 46868
Wireless Site Name: CTNH808A/ Amtrak Madison
Site Address: 7 Orchard Park Road, Madison, CT 06442
EBI Project No.: 61077296

Dear Ms. Mars:

T-Mobile USA is proposing to construct a wireless telecommunications facility at the above-referenced location. T-Mobile USA has retained EBI Consulting ("EBI") to conduct a review of the proposed telecommunication facility project for compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Construction Notification System (TCNS) notice (Notification ID 46868, which was sent on November 21, 2008).

EBI would like to inquire if you would be interested in commenting on this proposed project. Please refer to the attached Project Summary Form for complete details regarding this proposed project.

Please find enclosed the required fee for Tribal review.

Thank you for your assistance in this matter. Consistent with the timelines outlined in the Nationwide Programmatic Agreement and FCC-USET Best Practices Agreement, please respond within 30 days of receipt of this letter with an opinion of interest or no interest.

Respectfully Submitted,



Mr. Brian Hooper
Staff Scientist
Phone: (781) 418-2320
Fax: (781) 418-2370
bhooper@ebiconsulting.com

Attachment A - Project Summary Form
Attachment B - Figures, Drawings, and Maps
Attachment C - Photographs
Attachment D - Tribal Review Fee

Project Summary Form

EBI Project Number: **61087296**

Site Name: Amtrak Madison

Site Number: CTNH808A

TCNS Number: 46868

Initiated November 21, 2008

(FCC Reference No. for Native American Indian Tribes)

Site Address: 7 Orchard Park Road
Madison, CT 06442

Site Locus: N 41° 16' 59" and W 72° 37' 27.6"
Guilford/CT & Clinton/CT USGS Topographic Quadrangles

Subject Property: An approximately 5.68 acres (herein referred to as the parent parcel) is improved with two commercial buildings, constructed between 1982 and 1983, and a six building self-storage facility constructed in 2002. The commercial buildings are utilized for office and warehouse purposes. Vicinity properties consist of modern commercial buildings, railroad tracks, and undeveloped woodlands/wetlands.

Project Description: *T-Mobile, USA* proposes to construct an un-manned telecommunications facility on the eastern portion of the parent parcel. The telecommunications facility will include a 100-foot monopole tower and equipment cabinets on a 10-foot by 15-foot concrete pad located within a fenced compound on a 40 x 45 foot lease area. T-Mobile, USA plans to collocate an array of 9 antennas on the monopole with two TMA's per sector (total of 6) mounted on standoff cross arms at a centerline height of approximately 100 feet above ground level (AGL). Coaxial cable will be routed from the support equipment across a proposed ice bridge, then up the tower to the antennas. Underground utilities will be routed from existing demarcs on the western portion of the Subject Property along an existing access drive to a proposed utility area adjacent to the tower compound.


Ground Disturbance: YES – for proposed tower and underground utilities.

Additional Information: None

Please see the cover letter for contact information. Feel free to contact EBI with **any** questions.

– *Thank you*

LABEL TOTAL: \$4.80

	U.S. POSTAGE REQUIRED
	USPS PRIORITY MAIL®
VANESSA SULLIVAN EBI CONSULTING 21 B ST BURLINGTON MA 01803-3485	SHIP DATE: 12/9/2008 WEIGHT: 0 lb, 6 oz. Ref#: EBI Tribal Letters
SHIP TO: MS. SEQUAHNA MARS NITHPO NARRAGANSETT INDIAN TRIBE NARRAGANSETT ISLAND LONGHOUSE PO BOX 350 WYOMING RI 02898-0350	ZIP - e/ USPS DELIVERY CONFIRM 420 02898 9101 8052 1368 3037 0617 76 Electronic Rate Approved # 805213907

Cut on dotted line.

Instructions

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3. Place label so that it does not wrap around the edge of the package.
4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service.
5. Stamped packages weighing 13 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup page on www.usps.com.
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Online e-Label Record

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Delivery Confirmation service*

Print Date: 12/09/08

Ship Date: 12/09/08

Electronic Option Delivery Confirmation Service Fee: 0.00

From: VANESSA SULLIVAN

Ref#: EBI Tribal Letters

EBI CONSULTING

21 B ST

BURLINGTON MA 01803-3485

To: MS. SEQUAHNA MARS

NITHPO NARRAGANSETT INDIAN TRIBE

NARRAGANSETT ISLAND LONGHOUSE

PO BOX 350

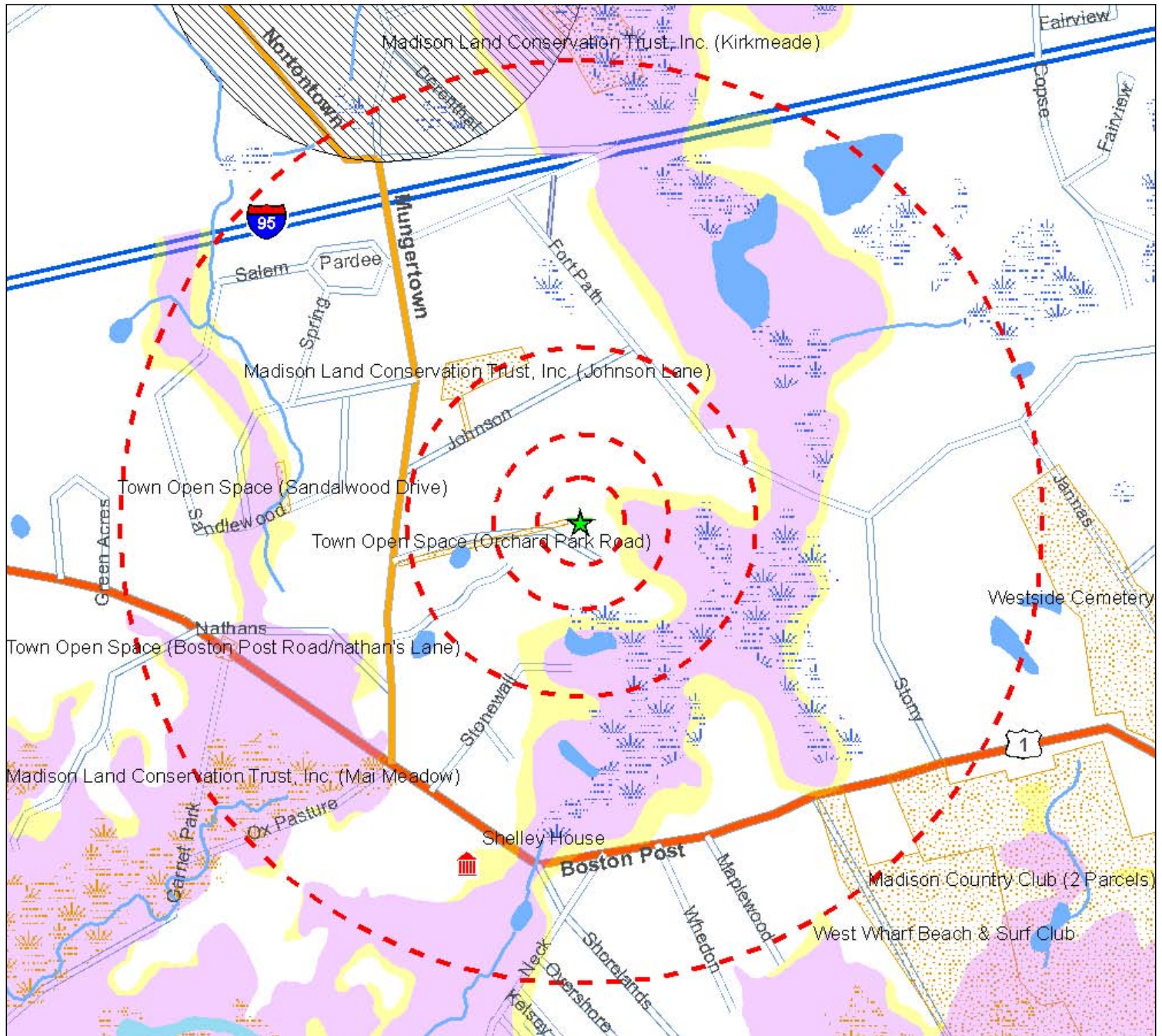
WYOMING RI 02898-0350

*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.



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APPENDIX F
LAND RESOURCES MAP



Legend

- ★ Project Site
- ▭ Site Buffer at 250', 500', 1000' and 1/2 mile

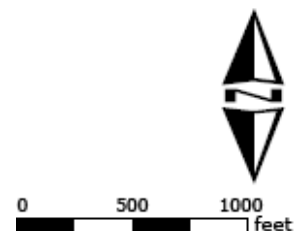
See associated legend for additional map symbology

Source: See associated map legend








Land and Historic Resources Map

CTNH808A/Amtrak Madison
7 Orchard Park Road
Madison, CT 06442-2273

PN: 61087296











National Datalayers Legend*







-  National Register Historic Site
-  National Register Historic District
Source: NPS National Register of Historic Places, updated July 2008
-  National Park Service Trail
Source: U.S. National Parks Service. Various dates. NR/GIS WebSite, U.S. Dept. of the Interior; NPS, Wash., D.C. <http://science.nature.nps.gov/nrdata/index.cfm>.
-  National Scenic Parkway
-  National Wild and Scenic River
-  Federally Owned Land
Source: National Atlas of the U.S., Reston, VA, 12/05, Federal Land Features of the U.S.
-Parkways and Scenic Rivers
-Federal Lands of the United States
-  FWS Critical Habitat
Source: U.S. Fish and Wildlife Service. Various dates. FWS Critical Habitat for Threatened & Endangered Species website. U.S. Dept. of the Interior; FWS, Wash, D.C. <http://crithab.fws.gov/>.

*Includes data obtained from federal agencies developed to be consistent throughout the US.

National Wetlands Inventory

-  Stream or Creek
-  Freshwater Forested/Shrub Wetland
-  Freshwater Emergent Wetland
-  Estuarine & Marine Wetland
-  Unconsolidated Shore
-  Freshwater Lake, Pond, or River
-  Estuarine & Marine Deepwater
-  Open Water
Source: U.S. Fish and Wildlife Service. Various dates. National Wetlands Inventory website. U.S. Dept. of the Interior; FWS, Wash, D.C. <http://www.fws.gov/nwi/>.



FEMA Q3 Flood Zone


-  500-year inundation area.
-  100-year inundation area.
-  100-year inundation area with velocity hazard.
-  Area not included on any FIRM publication.
-  Undetermined but possible flood hazard area.
-  Floodway area, including watercourse extent.

No Flood Data No Flood Data Available

Source: FEMA

Connecticut - State Specific Datalayers Legend

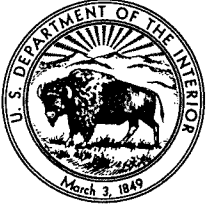
-  CT - Natural Diversity Database Area
Source: CT DEP
Data Date: December 2008
<http://www.ct.gov/dep/gis>
-  CT - DEP Boat Launch
Source: CT DEP Office of Information Management
Data Date: 1996
<http://www.ct.gov/dep/gis>

-  CT - DEP Property
Source: CT DEP
Data Date: November 2004
<http://www.ct.gov/dep/gis>

-  CT - DEP Municipal and Open Space
Source: CT DEP Office of Information Management
Data Date: 1997
<http://www.ct.gov/dep/gis>

Land Based and Historic Resources Legend

APPENDIX G
FEDERAL AND STATE FISH AND WILDLIFE CORRESPONDENCE



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Field Office
70 Commercial Street, Suite 300
Concord, New Hampshire 03301-5087
<http://www.fws.gov/northeast/newenglandfieldoffice>

January 2, 2009

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.

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, 2010. Updated consultation letters and species lists are available on our website:

(<http://www.fws.gov/northeast/newenglandfieldoffice/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

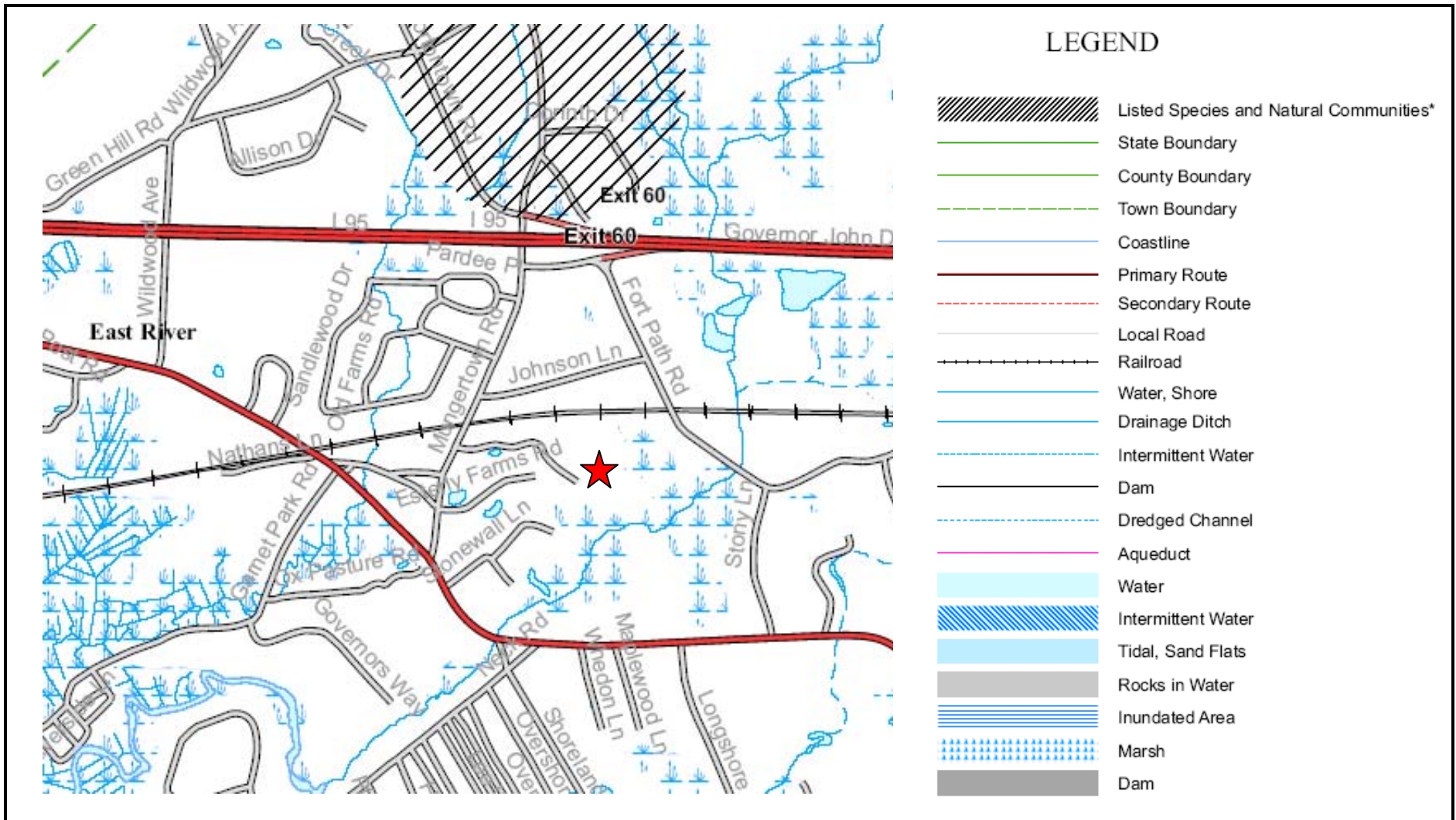
**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES
IN CONNECTICUT**

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



State and Federal Listed Species and Significant Natural Communities Map

CTNH808A/ Amtrak Madison
 7 Orchard Park Road
 Madison, CT 06442

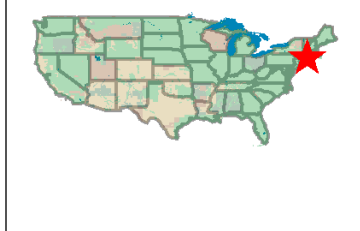
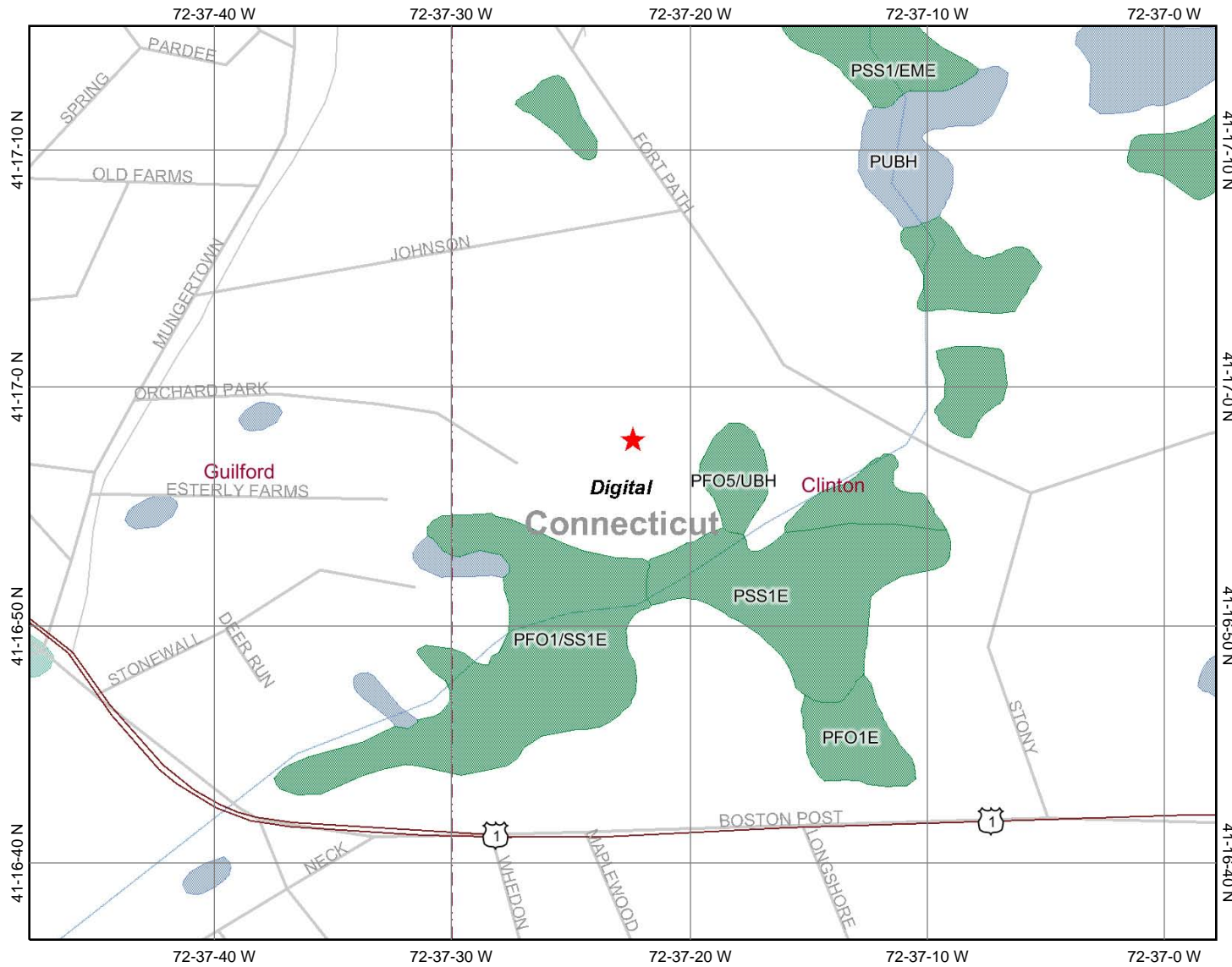
PN: 61087296

= Project Site



**APPENDIX H
WETLANDS MAPS**

NWI Map- CTNH808A



Legend

- Ohio_wet_scan**
- 0
 - 1
 - Out of range
- Interstate**
- Major Roads**
- Other Road
 - Interstate
 - State highway
 - US highway
- Roads**
- Cities
 - USGS Quad Index 24K
- Lower 48 Wetland Polygons**
- Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Other
 - Riverine
- Lower 48 Available Wetland Data**
- Non-Digital
 - Digital
 - No Data
 - Scan
- NHD Streams**
- Counties 100K
 - States 100K
 - South America
 - North America
- Scale: 1:8,313**

Map center: 41° 16' 55.9" N, 72° 37' 22.8" W

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

Notes: EBI# 61087296

**APPENDIX I
FEMA FLOODPLAIN MAP**

Flood Insights test results for :

Latitude: 41.2830555737019 Longitude: -72.624444425106

Geocoding Accuracy: Not Available

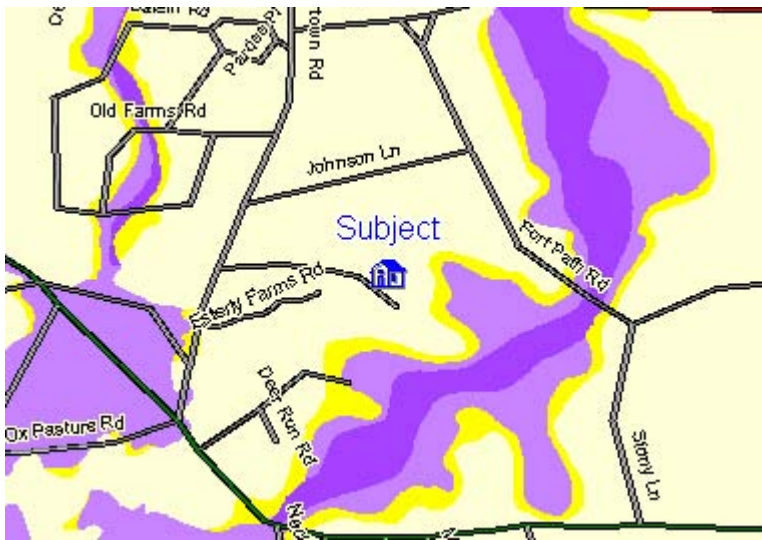
Flood Zone Determinations

[Test Description](#)

SFHA (Flood Zone) Within 250 feet of multiple flood zones?
 Out No

Community	Community Name	Zone	Panel	Panel Date	Cobra
090079	MADISON, TOWN OF	X	0011C	November 04, 1992	OUT
FIPS Code	Census Tract				
09009	1941.00				

Copyright 2000, First American Flood Data Services. All rights reserved.



FloodMap Legend

Flood Zones

- Areas inundated by 500-year flooding
- Areas outside of the 100- and 500-year floodplains
- Areas inundated by 100-year flooding
- Areas inundated by 100-year flooding with velocity hazard
- Floodway areas
- Floodway areas with velocity hazard
- Areas of undetermined but possible flood hazards
- Areas not mapped on any published FIRM

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JULIE D. KOHLER

PLEASE REPLY TO: Bridgeport
WRITER'S DIRECT DIAL: (203) 337-4157
E-Mail Address: jkohler@cohenandwolf.com

May 28, 2009

VIA FEDERAL EXPRESS

Alfred Goldberg, First Selectman
Office of the Selectmen
8 Campus Drive
Madison, CT 06443

**Re: Proposed Development of a Telecommunications Facility
15 Orchard Park Road, Madison, Connecticut**

Dear Selectman Goldberg:

Enclosed please find a copy of the technical report in compliance with Connecticut General Statutes Section 16-501(e) and in anticipation of filing an application for a *Certificate of Environmental Compatibility and Public Need* for the construction, maintenance and operation of a telecommunications facility at the above referenced location. The technical report includes information regarding the public need for the facility, the site selection process, and the environmental effects of the facility.

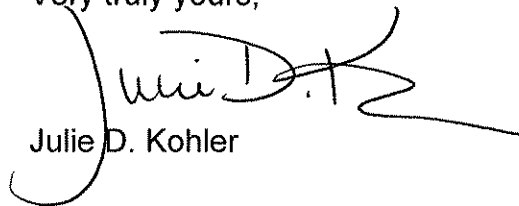
The municipality may conduct public hearings and meetings as it deems necessary to provide recommendations or comments to T-Mobile USA, Inc. concerning this proposal. If a hearing or meeting is scheduled, we request notice and will be pleased to provide an informational summary of the proposal. If the Town has any recommendations or comments it must provide them to us within sixty (60) days of the receipt of this filing.

We would like to meet with you or your designee to review the proposed project and will contact you next week to set up an appointment at your convenience.

Alfred Goldberg, First Selectman
May 28, 2009
Page 2

If you have any questions, please do not hesitate to contact me directly.

Very truly yours,

A handwritten signature in black ink, appearing to read "Julie D. Kohler". The signature is stylized with a large, looping initial "J" and a long horizontal flourish at the end.

Julie D. Kohler

JDK:dIm
Enclosure

cc: Mr. Hans Fiedler (*w/encl.*)
Ms. Jamie Ford (*w/encl.*)
Ms. Amy English (*w/o encl.*)
Mr. Ray Vergati (*w/o encl.*)
Monte E. Frank, Esq. (*w/encl.*)
Jesse A. Langer, Esq. (*w/encl.*)

MONTE E. FRANK

PLEASE REPLY TO: Danbury

E-Mail Address: mfrank@cohenandwolf.com

July 27, 2009

VIA HAND-DELIVERY

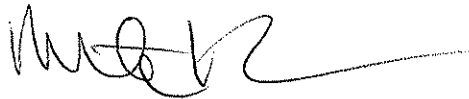
Joan O'Neill, Secretary of the
Conservation Commission
Town of Madison
8 Campus Drive
Madison, CT 06443

**Re: Proposed Development of a Telecommunications Facility
15 Orchard Park Road, Madison, Connecticut**

Dear Ms. O'Neill:

Pursuant to your request, enclosed please find copies of the supplemental documents with reference to the above matter.

Very truly yours,



Monte E. Frank

MEF/
Enclosures

cc: Julie D. Kohler, Esq.
Jesse A. Langer, Esq.

MONTE E. FRANK

PLEASE REPLY TO: Danbury
E-Mail Address: mfrank@cohenandwolf.com

July 28, 2009

VIA FEDERAL EXPRESS

Ms. Marilyn Ozols
Planning and Zoning Administrator
Town of Madison
8 Campus Drive
Madison, CT 06443

**Re: Proposed Development of a Telecommunications Facility
15 Orchard Park Road, Madison, Connecticut**

Dear Marilyn:

Pursuant to your request, enclosed please find copies of the following supplemental documents with reference to the above matter:

- (1) Technical Report (14 copies).
- (2) Visual Resource Evaluation Report (14 copies).
- (3) Revised Propagation Plots which include the facility on Ridge Road (14 copies).
- (4) Viewshed Analysis (14 copies).

Very truly yours,



Monte E. Frank

Enclosures

cc: Julie D. Kohler, Esq.
Jesse A. Langer, Esq.



TOWN OF MADISON
CONNECTICUT
CONSERVATION COMMISSION

8 CAMPUS DRIVE MADISON,
CONNECTICUT 06443-2563

Ms. Christine Poutot, Chair
Planning and Zoning Commission
8 Campus Drive

3 August 2009

Dear Ms. Poutot,

The Conservation Commission met on 27 July and discussed the cell phone tower proposed for 7 Orchard Park. Representatives of the applicant were present. We recommended to them the following considerations should the project be approved:

1. The ground on which the tower will stand should be graded so that it will drain southward, away from the adjacent wetland.
2. During construction, extra measures should be taken to ensure that soil is not washed into the wetland. The engineer for the applicant suggested that double silt fencing could be used in a "belt and suspenders" approach to this issue. We agree.

Sincerely,

A handwritten signature in cursive script that reads "G. McManus".

George McManus,
For the Conservation Commission

MONTE E. FRANK

PLEASE REPLY TO: Danbury
E-Mail Address: mfrank@cohenandwolf.com

September 29, 2009

VIA REGULAR MAIL

Ms. Marilyn M. Ozols
Planning and Zoning Administrator
8 Campus Drive
Madison, CT 06443-2563

**Re: Proposed Development of a Telecommunications Facility
15 Orchard Park Road, Madison, Connecticut**

Dear Ms. Ozols:

As you know, this Firm represents Omnipoint Communications, Inc., a subsidiary of T-Mobile USA, Inc. d.b.a. T-Mobile ("T-Mobile") in connection with the above-captioned proposed telecommunications facility at 15 Orchard Park Road (the "Facility"). T-Mobile intends to file an application for certificate of environmental compatibility and public need regarding the Facility in the next few days. I write in response to your letter on behalf of the Planning and Zoning Commission ("PZC") dated August 14, 2009.

Although the municipal consultation period provided for in the Connecticut General Statutes expired on or about July 28, 2009, T-Mobile held off on filing the application with the Connecticut Siting Council so it could engage in an interactive process with the Town in an effort to best balance the need for telecommunications services in this area of Madison against the possible environmental impacts.

On May 28, 2009, T-Mobile provided the Town with a technical report "concerning the public need, the site selection process and the environmental effects of the proposed facility." General Statutes § 16-50j (e). The technical report addressed each of these subjects in detail.

On July 27, 2009, T-Mobile (including its soil scientist) met with the Town's Conservation Commission and, as requested, provided it with a visual resource evaluation report and viewshed analysis, additional requested propagation plots detailing existing and expected coverage at various heights, site plans and an aerial map of the proposed Facility. On August 3, 2009, the Conservation Commission issued a letter recommending two conditions intended to protect a wetlands system near the proposed Facility. (*A copy of the August 3, 2009 Letter is attached hereto as Exhibit A.*) T-Mobile agreed to incorporate these

Ms. Marilyn M. Ozols
Planning and Zoning Administrator
September 29, 2009
Page 2

conditions into its plans along with the measures already included to protect the nearby wetlands system.

On August 6, 2009, T-Mobile appeared before the PZC and responded to questions from the PZC regarding the Facility. Prior to that meeting, on July 27, 2009, T-Mobile provided PZC with its technical report, visual resource evaluation report, viewshed analysis and additional propagation plots at various heights, as had been requested. T-Mobile also conducted two balloon floats — one in connection with the visual resource evaluation report on July 7, 2009 and another on July 11, 2009, at the request of the Town. Notice of the second balloon float was published so that concerned citizens could attend and ask questions. PZC members admittedly did not attend.

T-Mobile has cooperated with the Town in earnest, and provided substantial additional information beyond the technical report, and even conducted additional balloon floats.

As a further display of good faith and cooperation with the Town, while T-Mobile intended to file its application with the Connecticut Siting Council in August, as was its right, it delayed the filing so that it could meet with PZC, and, subsequently, so it could explore the items in your August 14th letter in detail, which it has, as set forth below:

1. *Whether T-Mobile could locate the Facility on the property owned by the Sunshine House on Fort Path Road.* T-Mobile engaged in discussions with Amy Kuhner, the Executive Director of the Sunshine House, and provided requested information. Ms. Kuhner reported back that she circulated the information to the Sunshine House Board and it decided not to pursue a lease with T-Mobile for a tower on its property.

2. *Whether T-Mobile could locate the Facility on Town owned property on Nathan's Lane.* Following the PZC meeting, T-Mobile analyzed this property. T-Mobile's RF engineer determined that this candidate is located too far to the west of the coverage objective for the proposed facility. The coverage from this candidate provides approximately 50 percent redundant coverage with T-Mobile's on air site CT11028A, located at 119 Tanner Marsh Road in Guilford. As such, even with a site at Nathan's Lane, the proposed Facility would still be needed to satisfy T-Mobile's coverage objectives in this area. Accordingly, this suggested site is untenable.

3. *Additional site considered.* During the PZC meeting, the PZC discussed an another potential site at the Bus Fueling Yard (Off Fort Path Road) . Even though this site was not mentioned in your letter, for purposes of completeness, T-Mobile also explored the

Ms. Marilyn M. Ozols
Planning and Zoning Administrator
September 29, 2009
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suitability of a facility at this location. This location, however, is adjacent to T-Mobile's on air site CT11167A, a monopole located at 8 Old Route 79 in Madison, CT. T-Mobile is located at 120 feet on this 148 foot tower. The majority of coverage potential from this candidate is redundant coverage with T-Mobile's existing on air coverage footprint and would not be considered an appropriate candidate for the search ring at issue with the proposed Facility.

4. *The Town's Historic Commission Letter, dated January 9, 2009.* The Historic Commission confirmed that the Facility would not be located in the Historic District. Significantly, T-Mobile received a *No Effect* letter from SHPO in January. Your letter, nonetheless, raised some concerns regarding visibility. Each of those concerns is addressed in turn.

a) *Whether the Facility would be visible from the Historic District.* T-Mobile's visibility experts, Vanasse Hangen Brustlin, Inc. ("VHB"), evaluated the potential visual impact of the Facility on the Madison Green Historic District in connection with the balloon float. Based upon this assessment, which are consistent with the findings of VHB's computer analysis, the Facility would not be visible from the Historic District.

b) *Whether the Facility would be visible from properties with historical and architectural significance on Route 1.* Although some properties along Route 1, in the immediate vicinity of the Facility, would have views of the Facility, there would not be any views from registered properties.

c) *Whether the Facility would be visible from certain properties on Stony Lane, Fort Path Road, Johnson Lane, Easterly Farms Road and Stonewall Lane.* VHB determined that: (1) a limited number of properties along Stony Lane and Johnson Lane (seasonal) would have views of the Facility; and (2) there would not be visibility from Fort Path Road, Easterly Farms Road or Stonewall Lane.

5. *Simulations of towers at heights other than 100 feet.* T-Mobile proposes a telecommunications facility with a 100 foot monopole tower. The detailed visual analysis, the viewshed map and simulations address the Facility as proposed. These materials satisfy the requirements under General Statutes § 16-50g *et seq.* If the Facility is approved by the Council, T-Mobile would cooperate to the extent required by the Council should anyone seek to modify the Facility to accommodate other carriers. Please also note that you did not ask for these simulations at any time prior to the hearing on August 6, 2009, notwithstanding that the

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Technical Report was filed on May 28, 2009. Please also keep in mind that preparing photo simulations at different heights would require balloon floats at varying heights, which is not typically done for a variety of reasons, including, the confusion it would cause to the public.

6. *Whether the Facility could effectively host other carriers.* The Facility would be engineered to accommodate three carriers along with T-Mobile. The regulatory process is ongoing, and at this time, other carriers have not informed T-Mobile of their requisite co-location needs. T-Mobile will conduct a geological investigation to determine whether the site can host a taller tower. A preliminary review of the soil mapping, published by the Natural Resources Conservation Service, suggests that the soil underlying the site consists of Charlton/Chatfield soils. These subterranean conditions would not necessarily preclude the installation of a taller structure. As requested, T-Mobile will to the extent possible engineer the foundation and tower so that it can be expanded in the future if a carrier can demonstrate to the Siting Council that a height above 100 feet is needed.

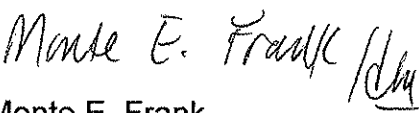
7. *Whether the Facility could be located further away from the nearby wetlands system.* T-Mobile retained VHB to determine whether the proposed Facility would impact the nearby wetlands system. VHB's soil scientist concluded that the Facility would not impact the nearby wetlands if certain measures are implemented. The Conservation Commission suggested additional protective measures, which T-Mobile has incorporated into its plans. The Facility cannot be moved in any manner that would significantly increase the distance between it and the wetlands system. Ultimately, the site plan, as drafted, will avoid any adverse impact to those wetlands.

T-Mobile has gone to great lengths to accommodate the Town's requests and address all of the Town's questions. T-Mobile has conducted a thorough investigation of the potential sites in this area of Madison. Based upon this analysis, T-Mobile has concluded that the Facility will best address the intended coverage area and provide enhanced wireless service to the residents of Madison and to the Amtrak rail line with the least impacts to the Town's environmental resources, which T-Mobile has worked hard to mitigate.

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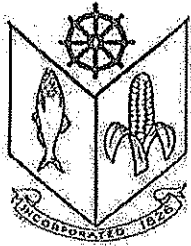
We appreciate your comments, and believe that we have addressed them fully.

Very truly yours,


Monte E. Frank

Enclosure

cc: Alfred Goldberg, First Selectman
Ms. Christine Poutot, Planning & Zoning Chairman
Mr. S. Derek Phelps, Connecticut Siting Council



TOWN OF MADISON
CONNECTICUT
CONSERVATION COMMISSION

8 CAMPUS DRIVE MADISON,
CONNECTICUT 06443-2563

Ms. Christine Poutot, Chair
Planning and Zoning Commission
8 Campus Drive

3 August 2009

Dear Ms. Poutot,

The Conservation Commission met on 27 July and discussed the cell phone tower proposed for 7 Orchard Park. Representatives of the applicant were present. We recommended to them the following considerations should the project be approved:

1. The ground on which the tower will stand should be graded so that it will drain southward, away from the adjacent wetland.
2. During construction, extra measures should be taken to ensure that soil is not washed into the wetland. The engineer for the applicant suggested that double silt fencing could be used in a "belt and suspenders" approach to this issue. We agree.

Sincerely,

George McManus,
For the Conservation Commission

FAA Aeronautical Evaluation

CTNH808

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For more information, contact:
faa@sitesafe.com
770.205.1173 phone
703.997.8605 fax

AIRPORT AND HELIPAD INFORMATION

Nearest public use or Government Use (DOD) facility is Chester.

This structure would be located 8.0 NM or 49082 FT from the airport on a bearing of 41 degrees true to the airport.

Nearest private use facility is North Branford.

This structure would be located 8.1 NM from the helipad on a bearing of 292 degrees true to the helipad.

FINDINGS

AM Facilities:

(The FCC protects AM transmission stations from possible electro magnetic interference for a distance of 1.9 statute miles(SM) for directional facilities, and .6 statute miles(SM) for non-directional facilities. Any antenna structures within these distances will most likely require a detuning evaluation of the site) (Sitesafe offers a full range of detuning services)

For a free analysis of this site against the most current FCC data, go to our AM evaluation web site at <http://AM.sitesafe.com>. A report form can be generated, (on-line) if no conflict is found. If a conflict is found, our AM Detune department can give you review and proposal of the findings.

This site was evaluated against the FCC's AM antenna database, and is not within an AM transmission area.

FCC Notice Requirements:

(FCC Rules, Part 17)

This structure does not require notification to the FAA or FCC based on these rules.

FAA EMI:

(The FAA protects certain air navigational aids and radio transmitters from possible electro-magnetic interference. The distance and direction are dependent on the type of facility be evaluated. Most of these transmission and receiver facilities are listed in the National Flight Data Center (NFDC) database.)

This site would not affect any FAA air navigational aids or transmitters listed in the NFDC database.

Military Airspace:

This structure will not affect this airspace.

***Note:** This report is for planning purposes only. If notification to the FAA or FCC is submitted on a site (whether it is, or is not required), a determination of no hazard or an approval letter should be received prior to any actions taken at this site.*

FAA Evaluation:

FAR Part 77 paragraph 13 (FAR 77.13). Construction or Alteration requiring notice:
(These are the imaginary surfaces that the FAA has implemented to provide general criteria for notification purposes only.)

This structure does not require notification to the FAA.

FAR Part 77 paragraph 23 (FAR 77.23). Standards for Determining Obstructions:
(These are the imaginary surfaces that the FAA has implemented to protect aircraft safety. If any of these surfaces are penetrated, the structure may pose a Hazard to Air Navigation.)

This structure does not exceed these surfaces.

MARKING AND LIGHTING

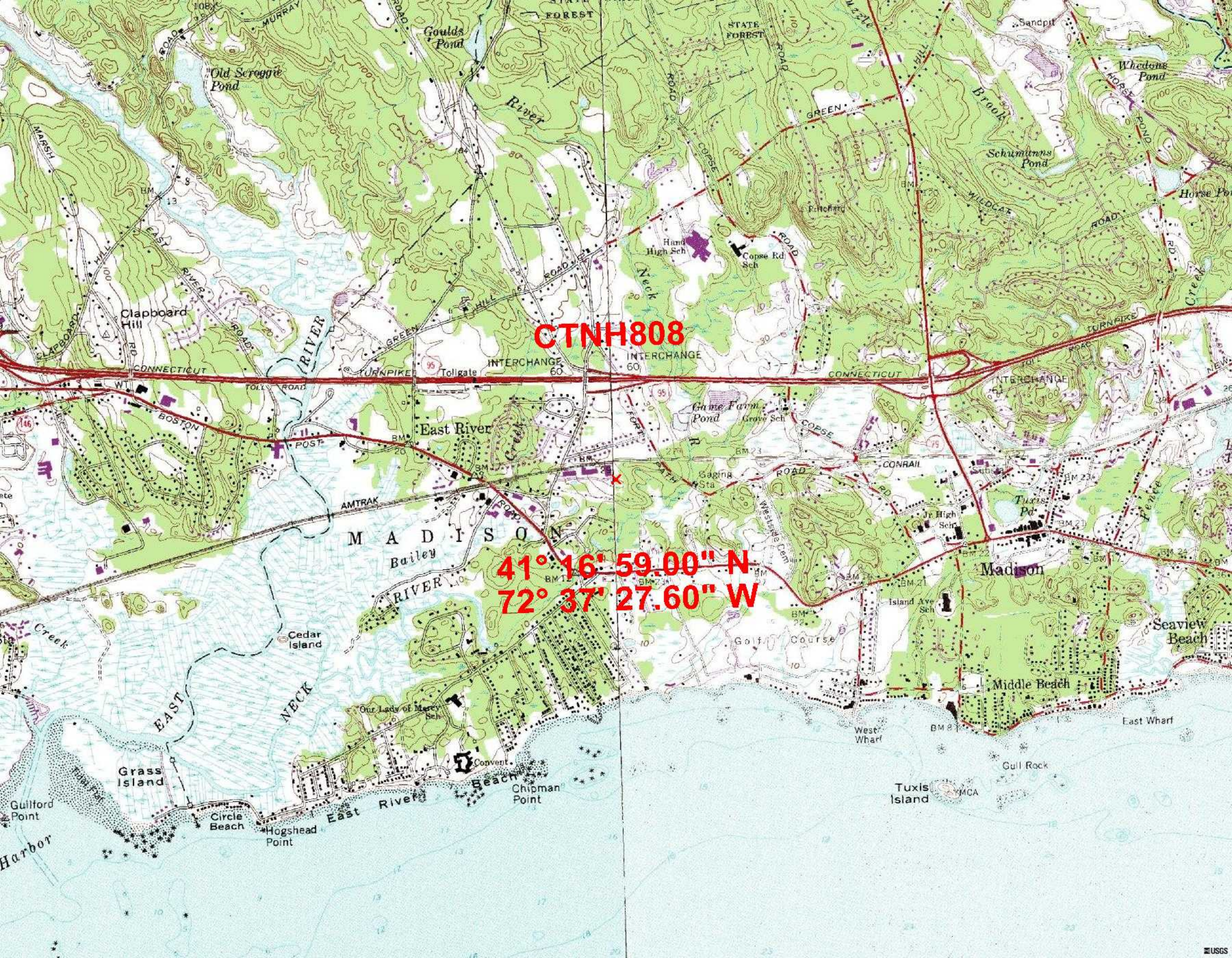
FAA Advisory Circular 70/7460-1

Marking and lighting is not required for this structure.

RECOMMENDATIONS OR ACTIONS

Sitesafe does not consider this site to be a Hazard to Air Navigation as specified in FAR part 77.

***Note:** This report is for planning purposes only. If notification to the FAA or FCC is submitted on a site (whether it is, or is not required), a determination of no hazard or an approval letter should be received prior to any actions taken at this site.*



CTNH808

41° 16' 59.00" N
72° 37' 27.60" W