

CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS

Connecticut Siting Council

APPLICATION OF CELLCO PARTNERSHIP
D/B/A VERIZON WIRELESS

WILLINGTON FACILITY

TOWN OF WILLINGTON

DOCKET NO. _____

AUGUST 25, 2008



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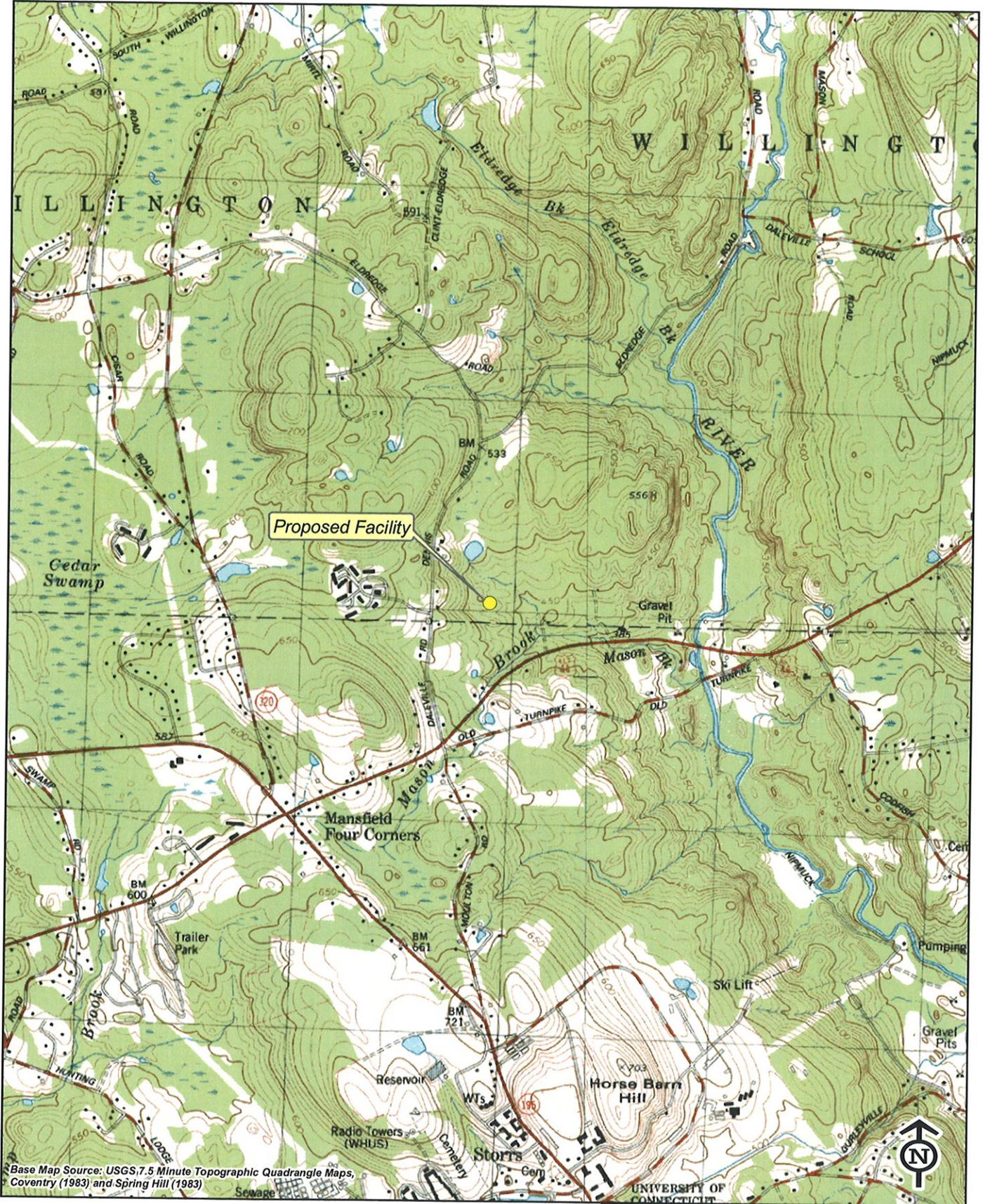
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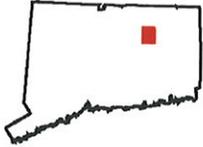
LIST OF ATTACHMENTS

1. Willington Facility – Factual Summary and Project Plans
2. Connecticut Siting Council Application Guide
3. Certificate of Service of Application on Government Officials and List of Officials Served
4. Legal Notice in the *Willimantic Chronicle*
5. Notice to Landowners; List of Abutting Landowners; Certificate of Service
6. Federal Communications Commission Authorization
7. Coverage Maps – Location of Proposed and Surrounding Cell Sites
8. Antenna and Equipment Specifications
9. Site Search Summary
10. Visual Impact Evaluation Report
11. Environmental Reviews/State Agency Comments
12. Wetland Impact Report and Soils Report
13. Federal Airways & Airspace Summary Report
14. Lease Agreement between Cellco Partnership and Muriel Kreuzscher



Vanasse Hangen Brustlin, Inc.

USGS Topographic Map
 Proposed Verizon Wireless
 Telecommunications Facility
 Mansfield Four Corners
 343 Daleville Road
 Willington, Connecticut



Quadrangle Location





Base Map Source: 2006 aerial photograph with a 1-foot pixel resolution

Vanasse Hangen Brustlin, Inc.



Quadrangle Location



2006 Aerial Photograph
 Proposed Verizon Wireless
 Telecommunications Facility
 Mansfield Four Corners
 343 Daleville Road
 Willington, Connecticut



**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

IN RE: :

APPLICATION OF CELLCO : **DOCKET NO. _____**

PARTNERSHIP D/B/A VERIZON :

WIRELESS FOR A CERTIFICATE OF :

ENVIRONMENTAL COMPATIBILITY AND :

PUBLIC NEED FOR THE CONSTRUCTION, :

MAINTENANCE AND OPERATION OF A :

WIRELESS TELECOMMUNICATIONS :

FACILITY AT 343 DALEVILLE ROAD, :

WILLINGTON, CONNECTICUT : **AUGUST 25, 2008**

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

I. INTRODUCTION

A. Authority and Purpose

This Application and the accompanying attachments (collectively, the “Application”) is submitted by Cellco Partnership d/b/a Verizon Wireless (“Cellco” or the “Applicant”), pursuant to Chapter 277a, Sections 16-50g et seq. of the Connecticut General Statutes (“C.G.S.”), as amended, and Sections 16-50j-1 et seq. of the Regulations of Connecticut State Agencies (“R.C.S.A.”), as amended. The Application requests that the Connecticut Siting Council (“Council”) issue a Certificate of Environmental Compatibility and Public Need (“Certificate”) for the construction, maintenance, and operation of a wireless telecommunications facility, in the Town of Willington, Connecticut (the “Willington Facility”). The proposed Willington Facility would provide for wireless telecommunications coverage along Route 44, Cellco’s principal coverage objective, as well as local roads in the southerly portion of the Town of Willington and

northerly portion of the Town of Mansfield. Cellco's existing coverage gap along Route 44 between its existing Mansfield facility to the west and Ashford West facility to the east is approximately 0.5 miles at cellular frequencies and 1.6 miles at PCS frequencies. Cellco's existing Mansfield cell site consists of antennas at the 109-foot level of a 120-foot AT&T tower at 497 Middle Turnpike in Mansfield. Cellco's existing Ashford West cell site consists of antennas at the 127-foot level of a 150-foot National Grid tower at 99 Knowlton Road in Ashford. The proposed Willington Facility will provide reliable service to a 1.95 mile portion of Route 44, and an overall area of 4.4 square miles at cellular frequencies; and a 1.9 mile portion of Route 44, and an overall area of 1.9 square miles at PCS frequencies.

The Willington Facility would be located in the central portion of a 22-acre parcel at 343 Daleville Road in Willington (the "Property"). The Property is located in the Town's R-80 (Residential) zone district. The Property's southerly boundary is the Willington-Mansfield town line.

If this application is approved by the Council, Cellco will construct a 100-foot self-supporting monopole telecommunications tower at the Property. At the top of the tower, Cellco would install a total of twelve (12) panel-type antennas (six (6) cellular and six (6) PCS) with their centerline at the 97-foot level. Cellco's antennas will not extend above the top of the tower. Equipment associated with Cellco's antennas would be located in a 12' x 30' shelter installed near the base of the tower within a 60' x 60' fenced compound. Vehicular access to the Willington Facility would extend from Daleville Road over the landowner's existing driveway a distance of approximately 600 feet, then along improved portions of an existing cart path to the

cell site, an additional distance of approximately 500 feet.¹ Utilities will extend underground from existing overhead service on the Property located to the northwest of the landlord's residence approximately 500 feet west of the cell site. Both the tower and leased area would be designed to accommodate additional carriers as well as municipal and emergency services antennas and equipment. As of the date of this filing neither the Town nor any other wireless carrier has committed to share the proposed tower.

Cellco's equipment shelter would house radio and related equipment, including (a) receiving, transmitting, switching, processing and performance monitoring equipment; and (b) automatic heating and cooling equipment. A propane-fueled generator would also be installed in a segregated generator room within the shelter for use during power outages and periodically for maintenance purposes. A 1,000 gallon propane tank will be installed, on a concrete pad, in the southeast corner of the compound.

The tower, equipment shelter and propane tank would be enclosed by an 8-foot high security fence and gate. Cellco's equipment building would be equipped with a silent intrusion and systems alarm and will be monitored on a 24-hour basis to receive and to respond to incoming alarms or other technical problems. The equipment building would remain unstaffed, except as required for maintenance. Once the cell site is operational, maintenance personnel will visit the cell site on a monthly basis. More frequent visits may be required if there are problems with the cell site equipment.

Included in this Application as Attachment 1 is a factual summary and project plans for the proposed Willington Facility. This summary, along with the other attachments submitted as part of

¹ A portion of the Owner's existing driveway approximately 300 feet from Daleville Road will be realigned as a part of the Cellco proposal. The Owner's existing driveway currently encroaches onto land of Jefferson M. Willey at 331 Daleville Road.

this Application, contains all of the site-specific information required by statute and the regulations of the Council.

In accordance with Paragraph I(F) of the Council's "Application Guide" for Community Antenna Television and Telecommunication Towers, a copy of the Application Guide is included as Attachment 2. The Application Guide contains references to the specific pages of this Application and the attachments where the information required under Section VI of the Application Guide may be found.

B. The Applicant

Cellco is a Delaware Partnership with an administrative office located at 99 East River Drive, East Hartford, CT, 06108. Cellco is licensed by the Federal Communications Commission ("FCC") to operate a wireless telecommunications system in the State of Connecticut within the meaning of C.G.S. Section 16-50i(a)(6). Operation of the wireless telecommunications systems and related activities are Cellco's sole business in the State of Connecticut.

Cellco has extensive national experience in the development, construction and operation of wireless telecommunications systems and the provision of wireless telecommunications service to the public.

Correspondence and/or communications regarding this Application may be addressed to:

Sandy Carter, Regulatory Manager
Verizon Wireless
99 East River Drive
East Hartford, Connecticut 06108

A copy of all such correspondence or communications should also be sent to the applicant's attorneys:

Robinson & Cole LLP
280 Trumbull Street
Hartford, Connecticut 06103-3597
(860) 275-8200
Attention: Kenneth C. Baldwin, Esq.

C. Application Fee

The estimated total construction cost for the Willington Facility would be less than \$5,000,000. Therefore, pursuant to Section 16-50v-1a(b) of the Regulations of Connecticut State Agencies, an application fee of \$1,000 accompanies this Application in the form of a check payable to the Council.

II. SERVICE AND NOTICE REQUIRED BY C.G.S. SECTION 16-50(l)(b)

Copies of this Application have been sent by certified mail, return receipt requested, to municipal, regional, state and federal officials, pursuant to C.G.S. Section 16-50(l)(b). A certificate of service, along with a list of the parties served with a copy of the Application, is included as Attachment 3.

Notice of Cellco's intent to submit this Application was published on August 21 and 22, 2008, by Cellco in the *Willimantic Chronicle* pursuant to C.G.S. Section 16-50(l)(b). A copy of the published legal notice is included as Attachment 4. A copy of the publisher's affidavit or certificate of publication will be submitted to the Council as soon as it is available.

Attachment 5 contains a certification that notices were sent to each person appearing of record as an owner of property that may be considered to abut the Property in accordance with C.G.S. Section 16-50(l)(b), as well as a list of the property owners to whom such notice was sent and a sample notice letter.

III. REQUIRED INFORMATION: PROPOSED WIRELESS FACILITY

The purpose of this section is to provide an overview and general description of the wireless facility proposed to be installed at the Property.

A. General Information

Prior to the 1980's, mobile telephone service was characterized by insufficient frequency availability, inefficient use of available frequencies and poor quality of service. These limitations generally resulted in problems of congestion, blocking of transmissions, interference, lack of coverage and relatively high cost. Consequently, the FCC, in its Report and Order released May 4, 1981 in FCC Docket No. 79-318, recognized the public need for technical improvement, wide-area coverage, high quality service and a degree of competition in mobile telephone service.

More recently, the federal Telecommunications Act of 1996 (the "Act") emphasized and expanded on these aspects of the FCC's 1981 decision. Among other things, the Act recognized an important nationwide public need for high-quality wireless telecommunication services of all varieties. The Act also expressly promotes competition and seeks to reduce regulation in all aspects of the telecommunications industry in order to foster lower prices for consumers and to encourage the rapid deployment of new telecommunications technologies.

Cellco's proposed Willington Facility would be part of the expanding wireless telecommunications network envisioned by the Act and has been developed to help meet these nationwide goals. In particular, Cellco's system has been designed, and the cell sites proposed in this Application have been selected, so as to maximize the geographical coverage and quality of service while minimizing the total number of cell sites required.

Because the FCC and the United States Congress have determined that there is a pressing public need for high-quality wireless telecommunications service nationwide, the federal

government has preempted the determination of public need by states and municipalities, including the Council, with respect to public need for the service to be provided by the proposed facility. In addition, the FCC has promulgated regulations containing technical standards for wireless systems, including design standards, in order to ensure the technical integrity of each system and nationwide compatibility among all systems. State and local regulation of these matters is likewise preempted. The FCC has also exercised its jurisdiction over and preempted state and local regulation with respect to radio frequency interference issues by establishing regulations in this area as well.

Pursuant to FCC authorizations, Cellco has constructed and currently operates a wireless system throughout Connecticut. This system, together with Cellco's system throughout its east coast and nationwide markets, has been designed and constructed to operate as one integrated, contiguous system, consistent with Cellco's business policy of developing compatibility and continuity of service on a regional and national basis.

Included as Attachment 6 is a copy of the FCC's authorization issued to Cellco for its wireless service in Tolland County, Connecticut. The FCC's rules permit a licensee to modify its system, including the addition of new cell sites, without prior approval by the FCC, as long as the licensee's authorized service area is not enlarged. The Willington Facility would not enlarge Cellco's authorized service area.

B. Public Need and System Design

1. Public Need

As noted above, the Act has pre-empted any state or local determination of public need for wireless services. In Tolland County, Cellco holds an FCC License to provide both cellular and PCS service. Pursuant to its FCC Licenses, Cellco has developed and continues to develop a network of cell sites to serve the demand for wireless service in the area. Cellco's network

currently provides coverage in Willington and the surrounding areas from its existing Mansfield and Ashford West cell sites. Plots showing coverage from Cellco's existing facilities alone and together with the coverage from the proposed Willington Facility are included as Attachment 7.

2. System Design and Equipment

a. System Design

Cellco's wireless system in general and the proposed Willington Facility, in particular, have been designed and developed to allow Cellco to achieve and to maintain high quality, reliable wireless service without interruption from dropped calls and interference.

The system design provides for frequency reuse and hand-off, is capable of orderly expansion and is compatible with other wireless systems. The resulting quality of service compares favorably with the quality of service provided by conventional wireline telephone service. The wireless system is designed to assure a true cellular configuration of base transmitters and receivers in order to cover the proposed service area effectively while providing the highest quality of service possible. Cell site transmissions are carefully tailored to the FCC's technical standards with respect to coverage and interference and to minimize the amount of power that is radiated.

Mobile telephone switching offices ("MTSOs") in Windsor and Wallingford are interconnected and operate Cellco's wireless systems in Connecticut as a single network, offering the subscriber uninterrupted use of the system while traveling throughout the State. This network is further interconnected with the local exchange company ("LEC") and inter-lata (long distance) carriers network.

Cellco has designed its wireless system in conformity with applicable standards and constraints for wireless systems. Cellco's system is also designed to minimize the need for additional cell sites in the absence of additional demand or unforeseen circumstances.

b. Cellular System Equipment

The key elements of the cellular system are the two MTSOs located in Windsor and Wallingford and the various connector cell sites around the state. Cellco's CDMA wireless networks are deployed on two platforms: the earlier AUTOPLEX system, using Series II base stations, and the newer FLEXENT CDMA system, using smaller, more compact modular base stations. Because the Series II base stations are no longer manufactured, the newer CDMA systems, using smaller, more compact modular base stations are used for all current installations.

The major electronic components of each cell site are radio frequency transmission and receiving equipment and cell site controller equipment. Cellco's cellular system uses Lucent Flexent® Modular Cell 4.0B cell site equipment to provide complete cell site control and performance monitoring. This equipment is capable of expanding in modules to meet system growth needs. The cell site equipment primarily provides for: message control on the calling channel; call setup and supervision; radio frequency equipment control; internal diagnostics; response to remote and local test commands; data from the mobile or portable unit in both directions and on all channels; scan receiver control; transmission of power control commands; rescanning of all timing; and commands and voice channel assignment. Additional information with respect to the Lucent Flexent® Modular Cell 4.0B equipment is contained in Attachment 8.

3. Technological Alternatives

Cellco submits that there are no equally effective technological alternatives to the proposal contained herein. In fact, Cellco's wireless system represents state-of-the-art technology offering high-quality service. Cellco is aware of no viable and currently available alternatives to its system design for carriers licensed by the FCC.

C. Site Selection and Tower Sharing

1. Cell Site Selection

Cellco's goal in selecting cell sites such as the one proposed here is to locate its facility in such a manner as to allow it to build and to operate a high-quality wireless system with the least environmental impact. Cellco has determined that the proposed Willington Facility will satisfy this goal and is necessary to resolve existing coverage problems and to provide high-quality reliable service along portions of Route 44, as well as local roads in southern Willington and northern Mansfield.

The methodology of cell site selection for Cellco's wireless system generally limits the search for possible locations to specific locations on the overall grid for the area. A list of existing towers or other non-tower structures considered is included in Attachment 9. Cellco currently shares the existing AT&T tower (Cellco's Mansfield cell site) located at 497 Middle Turnpike in Mansfield; and the existing National Grid tower (Cellco's Ashford West cell site) located at 99 Knowlton Road in Ashford. (See Attachment 7). These existing sites cannot resolve the coverage problems along Route 44 in southern Willington. Cellco also regularly investigates the use of existing, non-tower structures in an area, when available, as an alternative to building a new tower. No existing non-tower structures of suitable height exist in the southern Willington area. The site search summary together with the site information contained in Attachment 1 support Cellco's position that the site selected represents the most feasible alternative of the sites investigated.

2. Tower Sharing

Cellco will design its Willington Facility tower and compound area so that it could be shared by a minimum of four wireless carriers, and the Town, if a need exists. This type of tower sharing arrangement would reduce, if not eliminate, the need for these other carriers or municipal

entities to develop a separate tower in this same area in the future. As of the date of this filing, no other carrier has expressed any interest in the Willington Facility.

D. Cell Site Information

1. Site Facilities

At the Willington Facility, Cellco would construct a new 100-foot tall tower and install twelve (12) panel-type directional antennas at the 97-foot level on the tower. Cellco would install a 12' x 30' single-story shelter near the base of the tower to house Cellco's receiving, transmitting, switching, processing and performance monitoring equipment and the required heating and cooling equipment. A propane-fueled generator would be installed within a segregated room in Cellco's equipment shelter for use during power outages and periodically for maintenance purposes. A 1,000 gallon propane tank will be installed inside the site compound. The tower, equipment shelter and propane tank would be surrounded by an 8-foot high security fence and gate. (See Attachment 1).

The equipment shelter would be equipped with silent intrusion and systems alarms. Cellco personnel will be available on a 24-hour basis to receive and to respond to incoming alarms. The equipment building will remain unstaffed, except as required for periodic maintenance purposes.

2. Overall Costs and Benefits

Aside from the limited visual impacts discussed further below, Cellco believes that there are no significant costs attendant to the construction, maintenance, and operation of the proposed cell site. In fact, the public will benefit substantially from its increased ability to receive high-quality,

reliable wireless service in Willington.² The Willington Facility would be a part of a communications system that addresses the public need identified by the FCC and the United States Congress for high-quality, competitive mobile and portable wireless service. Moreover, the proposed cell site would be part of a system designed to limit the need for additional cell sites in the future.

The overall costs to Cellco for development of the proposed cell site are set forth in Section III.E. of the Application.

3. Environmental Compatibility

Pursuant to Section 16-50p of the General Statutes, in its review of the Application, the Council is required to find and to determine, among other things, the nature of the probable environmental impact, including a specification of every significant adverse effect of the Willington Facility, whether alone or cumulatively with other effects, on, and conflicting with the policies of the state concerning the natural environment, ecological balance, public health and safety, scenic, historic and recreational values, forests and parks, air and water purity and fish and wildlife.

a. Primary Facility Impact is Visual

The wireless system of which the proposed Willington Facility would be a part has been designed to meet the public need for high-quality, reliable wireless service while minimizing any potential adverse environmental impact. In part because there are few, if any other adverse impacts, the primary impact of facilities such as this is visual. This visual impact will vary from location to

² Businesses across the State have become more dependent on wireless telecommunication services. The public safety benefits of wireless telephone service are illustrated by the improved Connecticut State Police 911 emergency calling system. The 911 emergency calling system is available statewide to all wireless telephone users. Numerous other emergency service organizations have turned to wireless telephone service for use during natural disasters and severe storms when wireline service is interrupted or unavailable. As a deterrent to crime, the general public will further benefit from the Cellular Telecommunications Industry Association's donation of more than 50,000 cellular phones to "Neighborhood Watch" groups nationwide.

location around a tower, depending upon factors such as vegetation, topography, the distance of nearby properties from the tower and the location of buildings and roadways in a “sight line” toward the tower. Similarly, visual impact of a tower facility can be further reduced through the proper use of alternative tower structures; so-called “stealth installations.” Where appropriate, telecommunications towers camouflaged as trees, flagpoles, and bell towers, to name a few, can help to further reduce visual impacts associated with these structures. Attachment 10 contains a detailed Visual Resource Evaluation Report, prepared by VHB, Inc. (the “VHB Report”) that assesses the visual impact of the proposed tower and includes photosimulations of the tower at this site for the Council’s consideration. Overall, VHB concludes that areas where the tower would be visible above the tree canopy are limited to approximately 7 acres, or less than one-half of one percent of the 8,042-acre study area. Much of the visibility associated with the Willington Facility occurs 1.45 miles away on the UCONN campus and other remote areas. Cellco estimates that select portions of five residential properties would have at least partial year-round views of the tower. Areas where seasonal views are anticipated comprise approximately ten additional acres and are mainly located in the immediate vicinity of the Willington Facility.

There are approximately eight residences within 1,000 feet of the Willington Facility, four located in the Town of Willington and four located in the Town of Mansfield. The closest residence is located on the Property and is approximately 440 feet to the west owned by Cellco’s landlord. The nearest off-site residence is located approximately 685 feet to the south owned by Gregory F. and Emine K. Cichowski.

Weather permitting, Cellco will raise a balloon with a diameter of at least three (3) feet at the proposed cell site on the day of the Council’s hearing on this Application, or at a time otherwise specified by the Council.

b. Environmental Reviews and Agency Comments

Section 16-50j of the General Statutes requires the Council to consult with and to solicit comments on the Application from the Commissioners of the Departments of Environmental Protection, Public Health, Public Utility Control, Economic Development, and Transportation, the Council on Environmental Quality, and the Office of Policy and Management, Energy Division. In addition to the Council's solicitation of comments, Cellco, as a part of its National Environmental Policy Act ("NEPA") Checklist, solicits comments on the proposed facility from the U.S. Department of the Interior, Fish and Wildlife Service ("USFWS"), Environmental and Geographic Information Center of the Connecticut Department of Environmental Protection ("DEP") and the Connecticut Historical Commission, State Historic Preservation Officer ("SHPO"). Information on the USFWS and DEP reviews regarding impacts on known populations of Federal or State Endangered, Threatened or Special Concern Species occurring at the proposed site are included in Attachment 11. According to the USFWS letter dated January 7, 2008, there are no federally-listed or proposed, threatened or endangered species or critical habitat known to occur in Tolland County, where the Project is located, and as such the proposed development will not result in an adverse effect to any federally listed, endangered or threatened species.

In its comment letter dated March 13, 2008, the DEP stated that it "has records of a state species of special concern, Wood Turtle (*Glyptemys insculpta*) in the vicinity of [the] project". (See Attachment 11 DEP letter dated March 13, 2008). In response to the DEP, Dean Gustafson with VHB, Inc. completed a Wood Turtle Habitat Survey at the Property. In this survey, Mr. Gustafson describes a methodological plan designed to avoid mortality of the Wood Turtle during construction activity associated with the Willington Facility. This Survey was submitted to the DEP and is included as a part of Attachment 11.

Also included in Attachment 11 is a letter from the SHPO confirming that the Willington Facility will have no effect on historic, architectural or archeological resources listed or eligible for listing on the National Register of Historic Places.

This review by state administrative agencies furnishes ample expert opinion on the potential environmental impacts from the Willington Facility, in the context of the criteria which the Council must consider.

c. Non-Ionizing Radio Frequency Radiation

The FCC has adopted a standard for exposure to Radio Frequency (“RF”) emissions from telecommunications facilities like the one proposed in this Application. To ensure compliance with the applicable standards, Cellco has performed maximum power density calculations for the proposed cell site according to the methodology prescribed by the FCC Office of Engineering and Technology Bulletin No. 65E, Edition 97-01 (August 1997) (“OET Bulletin 65”). The calculation is a conservative, worst-case approximation for RF power density levels at the closest accessible point to the antennas, in this case the base of the tower, and with all antennas transmitting simultaneously on all channels at full power. The calculations indicate that the maximum power density level for Cellco antennas would be 29.29% of the Standard at the Willington Facility.

d. Other Environmental Issues

No sanitary facilities are required for the Willington Facility. The operations at the Willington Facility will not cause any significant air, water, noise or other environmental impacts, or hazard to human health.

Based on agency comments received and field investigations by Cellco’s project team, Cellco submits that the proposed facility will have no significant adverse effect on scenic, natural,

historic or recreational features, and that none of the potential effects from the Willington Facility alone or cumulatively with other effects is sufficient reason to deny this Application.

4. Consistency with Local Land Use Controls

The Council Application Guide for Community Antenna Television and Telecommunication Facilities, as amended on February 16, 2007, requires the inclusion of a narrative summary of the project's consistency with the Town's Plan of Development and Zoning Regulations, as well as a description of planned and existing uses of the site location and surrounding properties.

a. Planned and Existing Land Uses

The proposed Willington Facility would be located on a 22-acre parcel owned by Muriel Kreuscher. The Property is zoned R-80 Residential and currently used for residential and agricultural purposes by the Owner. The Property is surrounded by low-density residential and agricultural land uses to the north, south and east and by a multi-family apartment complex to the west.

b. Willington Town Plan of Conservation and Development

The Town of Willington Plan of Conservation and Development (the "POCD") effective February 7, 2006, does not specifically identify telecommunications towers as a land use consistent or inconsistent with the general planning or conservation policies of the Town of Willington. The POCD does, however, recognize as one of its Economic Development Goals, that in order to attach new economic development, the Town needs to "upgrade telecommunications infrastructures to better attract high-technology facilities".

c. Zoning Regulations

According to the Town Zoning Map, the Property is located in the R-80 Residential zone. The Town has established Wireless Telecommunications Facilities Regulations, found in Section 11.13 of the Zoning Regulations. Co-located wireless telecommunications facilities are uses permitted in the R-80 zone by special permit. Telecommunications facilities are permitted in the R-80 zone but only as accessory uses to a principal government use. A tower must maintain a minimum setback equal to either two times the height of the tower from any abutting “sensitive area” if not visible from that area or three times the tower height if visible from the “sensitive area”. Sensitive areas are defined as historic residential and village areas, riparian corridors and stream belts. The Willington Facility tower radius does not extend onto adjacent properties. The distance from the tower to the nearest property boundary (to the north) is approximately 388 feet, nearly four times the tower height. (See Attachment 1 – Plan Sheet S-1). Section 11.13.06.01.02 of the Zoning Regulations establishes certain location preferences for telecommunications facilities in Willington. Locations in order of preference, (1) being the most-preferred and (5) being the least preferred are facilities: (1) on existing/approved towers; (2) within existing structures; (3) on existing non-tower structures; (4) new facilities in non-sensitive areas; and (5) new facilities in sensitive areas with mitigation.

d. Inland Wetland and Water Course Regulations

The Town of Willington Inland Wetlands and Watercourses (“IWWC”) Regulations define regulated activity as any operation within, or use of, a wetland or watercourse or deposition of material or any obstruction, construction, alteration or pollution, of such wetlands or watercourses. The definition of regulated activity also includes any construction activity within 100 feet of a wetland or watercourse; within 150 feet of the Fenton and Willimantic

Rivers; and within 250 feet of a wetland with adjacent slopes of 15% or greater. Four (4) copies of the Willington Wetlands Regulations were filed, in bulk, with the Council.

Dean Gustafson, Professional Soil Scientist with VHB, Inc., conducted a field investigations and completed two separate Wetlands Delineation Reports (the “Wetlands Reports”) for development activity related to the Willington Facility. According to the Wetlands Reports, the closest wetland area is more than 100 feet south of the proposed tower site. Construction activity associated with the realignment of the Owner’s driveway will not directly impact the existing intermittent watercourse located to the south. Adequate soil erosion and sedimentation controls will be installed prior to construction to avoid any indirect impacts to this watercourse area. Copies of the NEPA Wetlands Compliance Memo and Wetlands Delineation Reports are included in Attachment 12.

In accordance with the Connecticut Soil Erosion Control Guidelines, as established by the Council for Soil and Water Conservation, adequate and appropriate soil erosion and sedimentation control measures will be established and maintained throughout the cell site construction period. In addition, Cellco will employ appropriate construction management practices to ensure that no pollutants would be discharged to any nearby watercourse or wetland areas or to area groundwater during the construction process.

According to the Federal Emergency Management Agency Flood Insurance Rate Map (“FIRM”), Community Panel Number 0901590020A (Effective Date June 15, 1982), the Facility would be located in Flood Zone C. A copy of the FIRM is also included in Attachment 12.

5. Local Input

Section 16-50l(e) of the Connecticut General Statutes, as amended, requires local input on matters before the Council. On April 3, 2008, Cellco representatives met with Willington First

Selectman Michael L. Eldridge and Susan Yorgenson, Zoning Enforcement Officer and Wetlands Agent to commenced the sixty (60) day municipal consultation process. Mr. Eldridge and Ms. Yorgenson received copies of technical information summarizing Cellco's plans to establish a telecommunications facility at the Property. Because the Willington Facility is located within 2,500 feet of the Town of Mansfield, Cellco representatives also submitted copies of the technical information to Mansfield's Director of Planning, Greg Padick.

At the request of Susan Yorgenson, Cellco representatives appeared before the Willington Inland Wetland and Watercourses Commission ("IWWC") at an informational hearing on May 12, 2008 and presented the Willington tower proposal. Prior to the hearing, on April 29, 2008, Cellco published notice of the IWWC informational hearing in the *Willimantic Chronicle*. Notice of the hearing was also sent to all abutting landowners.

6. Consultations With State and Federal Officials

Attachment 11 and Section III.D. of the Application describe Cellco's consultations with state and federal officials regarding Cellco's proposed Willington Facility.

a. Federal Communications Commission

The FCC did not review this particular proposal. As discussed above, FCC approval is not required where the authorized service area is not enlarged.

b. Federal Aviation Administration

As it does with all of its tower applications, Cellco conducted the appropriate air-space analysis for the proposed Willington Facility to determine if the proposed tower would constitute an obstruction or hazard to air navigation. Cellco's analysis has confirmed, pursuant to FAA standards and guidelines, that the proposed site tower would not constitute an obstruction or hazard to air

navigation and therefore no obstruction marking or lighting would be required. A copy of the Federal Airways & Airspace Summary Report is included in Attachment 13.

c. **United States Fish and Wildlife Service**

According to the USFWS, there are no federally-listed or proposed, threatened or endangered species or critical habitat known to occur in the project area. (See VHB Memo dated August 13, 2008 in Attachment 11).

d. **Connecticut Department of Environmental Protection**

(1) **Environmental and Geographic Information Center**

As discussed above based on a review of the DEP/NDDDB, the project will not impact any known occurrences of State listed species or significant natural communities.

(2) **Bureau of Air Management**

Pursuant to R.C.S.A. § 22a-174-3, the on-site emergency back-up generator proposed as a part of this Application will require the issuance of a permit from the DEP Bureau of Air Management. As proposed, this emergency generator will be run only during the interruption of utility service to the cell site and periodically as required for maintenance purposes. Cellco will obtain the necessary permit prior to installing the generator at the Willington Facility.

e. **Connecticut State Historic Preservation Officer**

As discussed above, Attachment 11 also includes the SHPO's determination that the proposed Willington Facility will have no effect on historic, architectural or archeological resources eligible or listed on the National Register of Historic Places.

E. Estimated Cost and Schedule

1. Overall Estimated Costs

The total estimated cost of construction of the proposed facility is \$765,000. This estimate includes:

(1)	Cell site radio equipment of approximately	\$450,000
(2)	Tower, coax and antenna costs of approximately	150,000
(3)	Power systems costs of approximately	20,000
(4)	Equipment building costs of approximately	50,000
(5)	Miscellaneous costs (including site preparation and installation) of approximately	95,000

2. Overall Scheduling

Site preparation and engineering would commence following Council approval of Cellco's Development and Maintenance ("D & M") plan and are expected to be completed within two to four weeks. Due to the delivery schedules of the manufacturers, installation of the building and installation of the tower are expected to take an additional two weeks. Equipment installation is expected to take an additional two weeks after installation of the building and installation of the tower. Cell site integration and system testing is expected to require two weeks after equipment installation.

IV. CONCLUSION

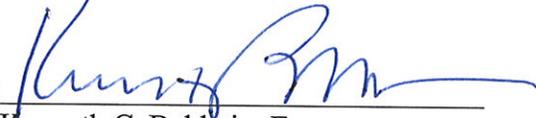
Based on the facts contained in this Application, Cellco submits that the establishment of the Willington Facility, at the Property will not have any substantial adverse environmental effects. A public need exists for high quality reliable wireless service in the Town of Willington and throughout Tolland County, as determined by the FCC and the United States Congress, and a

competitive framework for providing such service has been established by the FCC and the Telecommunications Act of 1996. Cellco submits that the public need far outweighs any possible environmental effects resulting from the construction of the proposed cell site.

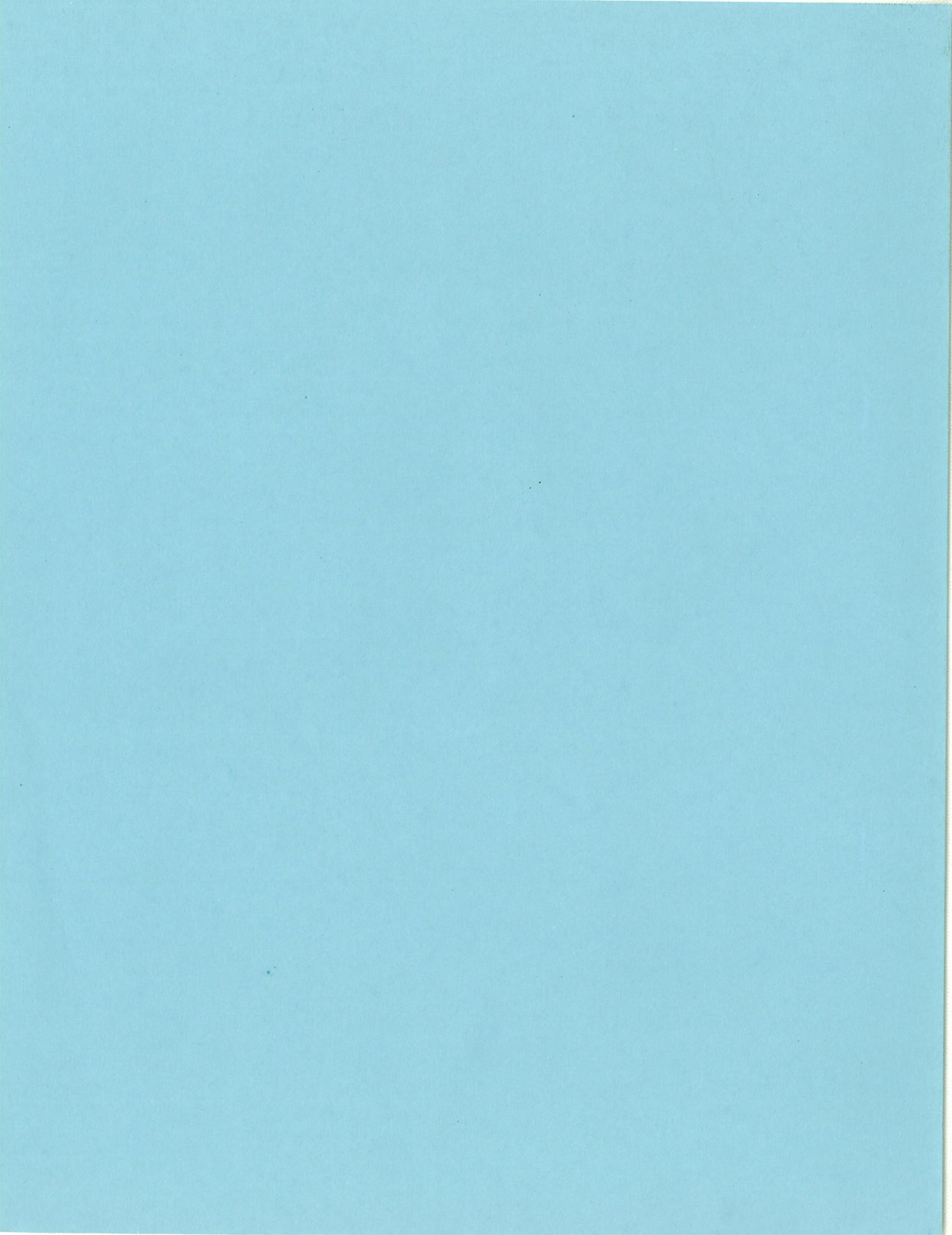
WHEREFORE, Cellco respectfully requests that the Council grant this Application for a Certificate of Environmental Compatibility and Public Need for the proposed Willington Facility.

Respectfully submitted,

CELLCO PARTNERSHIP D/B/A VERIZON
WIRELESS

By: 

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, Connecticut 06103-3597
(860) 275-8200
Attorneys for the Applicant



WILLINGTON

**343 Daleville Road
Willington, Connecticut**

Description of Proposed Cell Site

Cellco Partnership d/b/a Verizon Wireless
99 East River Drive
East Hartford, CT 06108

TABLE OF CONTENTS

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FACILITIES AND EQUIPMENT SPECIFICATION.....	6
ENVIRONMENTAL ASSESSMENT STATEMENT.....	7

SITE NAME: WILLINGTON – 343 Daleville Road, Willington, CT

GENERAL CELL SITE DESCRIPTION

The proposed cell site would be located in the central portion of an approximately 22-acre parcel located at 343 Daleville Road in Willington, Connecticut (the "Property"). The Property is owned by Muriel Kreuzscher. The facility would consist of a 100-foot telecommunications tower and a 12' x 30' equipment shelter located within a 60' x 60' fenced compound (the "Willington Facility"). The shelter would house Cellco's radio equipment and propane-fueled back-up generator. Cellco antennas would be mounted with their centerline at the 97-foot level on the tower. A 1,000 gallon propane tank would be located in the southeast corner of the Willington Facility compound. Vehicular access to the site would extend from Daleville Road over a portion of the owner's existing driveway then over improved portions of an existing cart path, a total distance of approximately 1,100 feet. Utility access would extend from existing service on the landowner's property.



Base Map Source: USGS 7.5 Minute Topographic Quadrangle Maps, Coventry (1983) and Spring Hill (1983)



Vanasse Hangen Brustlin, Inc.

USGS Topographic Map
 Proposed Verizon Wireless
 Telecommunications Facility
 Mansfield Four Corners
 343 Daleville Road
 Willington, Connecticut



Quadrangle Location





Base Map Source: 2006 aerial photograph with a 1-foot pixel resolution

Vanasse Hangen Brustlin, Inc.



Quadrangle Location



2006 Aerial Photograph
Proposed Verizon Wireless
Telecommunications Facility
Mansfield Four Corners
343 Daleville Road
Willington, Connecticut



SITE EVALUATION REPORT

SITE NAME: WILLINGTON – 343 Daleville Road, Willington, CT

I. LOCATION

- A. COORDINATES: 41° 50' 11.05" N 72° 15' 17.85" W
- B. GROUND ELEVATION: Approximately 496± feet AMSL
- C. U.S.G.S. MAP: Willington, CT
- D. SITE ADDRESS: 343 Daleville Road, Willington, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within 1/4 mile of the cell site is zoned R-80 Residential in Willington and RAR-90 Rural Agricultural Residence immediately south in the Town of Mansfield.

II. DESCRIPTION

- A. SITE SIZE: 80' x 80' Leased Area
60' x 60' Site Compound
- B. LESSOR'S PARCEL: Approximately 22-acres
- C. TOWER TYPE/HEIGHT: 100' Monopole Tower
- D. SITE TOPOGRAPHY AND SURFACE: The tower site is located near the top of a small hilltop on the Property. Site topography generally slopes down in all directions from this high point. Clearing and grading of the compound area and portions of the access road will be required to construct the sell site.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The tower is located in the central portion of a 22-acre parcel. The Property is currently used for residential and agricultural (horse farm) purposes. No wetland or watercourse areas will be impacted by development at the Willington Facility. The realignment of a portion of the landowner's existing driveway, approximately 200 feet east of Daleville Road, will result in minor construction activity within approximately 12 feet of two existing intermittent watercourses on either side of the existing driveway.
- F. LAND USE WITHIN 1/4 MILE OF SITE: The Property is surrounded by low-density residential areas and agricultural land uses. To the west is an existing multi-family residential apartment complex.

III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power
- B. POWER PROXIMITY TO SITE: Approximately 500 feet to the west near the Property owner's residence.
- C. TELEPHONE COMPANY: AT&T
- D. PHONE SERVICE PROXIMITY: Same as power
- E. VEHICLE ACCESS TO SITE: Vehicle access to the site would extend directly from Daleville Road along the owner's existing driveway a distance of approximately 600 feet, then along improved portions of an existing cart path, an additional distance of approximately 500 feet to the site compound.
- F. CLEARING AND FILL REQUIRED: Clearing and grading would be required for construction of the tower and site compound and along portions of the proposed access driveway. Detailed construction plans would be developed after approval by the Siting Council. Celco anticipates the need to remove 68 trees, greater than 6-inch diameter at breast height.

IV. LEGAL

- A. PURCHASE LEASE
- B. OWNER: Muriel Kreuzer
- C. ADDRESS: 343 Daleville Road, Willington, CT 06279
- D. DEED ON FILE AT: Town of Willington, CT Land Records

FACILITIES AND EQUIPMENT SPECIFICATION
(NEW TOWER & EQUIPMENT BUILDING)

SITE NAME: WILLINGTON – 343 Daleville Road, Willington, CT

I. TOWER SPECIFICATIONS:

- A. MANUFACTURER: To be determined
- B. TYPE: Self-supporting monopole
- C. TOWER HEIGHT: 100'
- D. DIMENSIONS: Approx. 55" base
 Approx. 21" top

II. TOWER LOADING:

A. CELLCO EQUIPMENT:

- 1. Antennas (12)
 - Six (6) Model LPA-185063/12CF_2 (71.1" x 6.6" x 5.8") PCS antennas
 - Six (6) Model LPA-80063/6CF (70.9"x 15" x 13.1") Cellular antennas
 - Antenna Centerline 97' AGL
- 2. GPS Antenna: To be mounted on the top of the equipment shelter or bottom portion of the tower
- 3. Transmission Lines:
 - a. MFG/Model: Andrews LDF5-50A
 - b. Size: 1 5/8"

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The towers will be designed in accordance with Electronic Industries Association Standard EIA/TIA-222-E "Structural Standards for Steel Antenna Towers and Antenna Support Structures." The foundation designs would be based on soil conditions at the site. Details for the towers and foundation designs will be provided as a part of the final D&M Plan.

ENVIRONMENTAL ASSESSMENT STATEMENT

SITE NAME: WILLINGTON – 343 Daleville Road, Willington, CT

I. PHYSICAL IMPACT

A. WATER FLOW AND QUALITY

No water flow and/or water quality changes are anticipated as a result of the construction or operation of the Willington Facility. Best management practices employed during construction will eliminate, to the extent possible, impacts on existing wetlands and watercourses in the area of proposed improvements to the landlord's existing driveway. No wetland or watercourse impacts are anticipated from construction of the facility compound.

B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the site would emit no air pollutants of any kind. For limited periods during power outages and periodically for maintenance purposes, minor levels of emissions from the on-site generator would result.

Pursuant to R.C.S.A. § 22a-174-3, the on-site emergency back-up generator proposed as a part of this application would require the issuance of a Connecticut Department of Environmental Protection Air Bureau permit for potential emissions. Cellco would obtain this permit prior to installing the generator at the approved cell site.

C. LAND

Tree clearing and some regrading of the tower compound and access driveway will be required to construct the Willington Facility. The remaining portion of the Property would remain unchanged by the construction and operation of the Willington Facility.

D. NOISE

The equipment to be in operation at the Willington Facility after construction would emit no noise of any kind, except for operation of the installed heating, air conditioning and ventilation systems and occasional operation of a back-up generator which would be run during power failures and periodically for maintenance purposes. Some noise is anticipated during cell site construction, which is expected to take approximately four to six weeks.

E. POWER DENSITY

The worst-case calculation of power density for Cellco's cellular and PCS antennas at the Willington Facility would be 29.29% of the Standard.

F. VISIBILITY

See Visual Resource Evaluation Report included as Attachment 10.

Cellco Partnership

d.b.a. **verizon** wireless

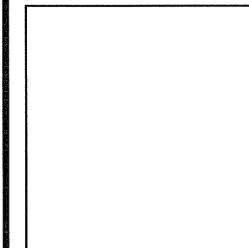
WIRELESS TELECOMMUNICATIONS FACILITY
MANSFIELD 4 CORNERS (WILLINGTON)

PROJECT: 2005137329
 PROJECT TYPE: BDGCO
 LOCATION CODE: 169109
 343 DALEVILLE ROAD
 WILLINGTON, CT 06279

Cellco Partnership
 d.b.a. **verizon** wireless

Dewberry

Dewberry-Goodkind, Inc.
 59 ELM STREET
 SUITE 101
 NEW HAVEN, CT 06510
 203.776.2277 PHONE
 203.776.2288 FAX



No.	DATE	By	Description
C	05/29/08	JNV	REV. LEASE AREA
B	05/06/08	JNV	COMPOUND LOC.
A	03/14/08	CMS	PRELIM. SIT. COUN.

REVISIONS

**MANSFIELD
 4 CORNERS
 (WILLINGTON)**

343 DALEVILLE ROAD
 WILLINGTON, CT 06279

SITE NAME / ADDRESS

DRAWN BY CMS
 APPROVED BY CKD
 CHECKED BY CKD
 DATE 03/14/08

SHEET TITLE:

TITLE SHEET

DEWBERRY P.N. 50008047

T-1

SHEET NO.

SITE INFORMATION:

THE SCOPE OF WORK SHALL INCLUDE:

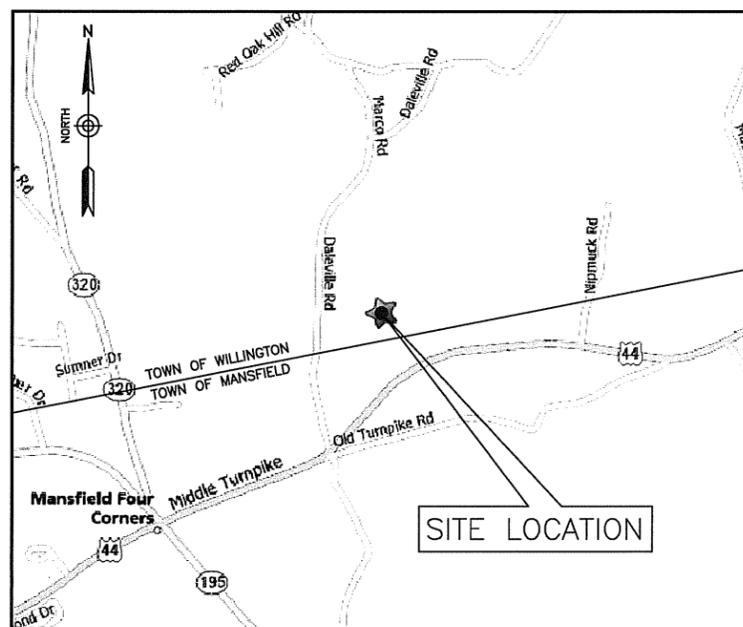
1. THE CONSTRUCTION OF A 60'X60' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 80'X80' LEASE AREA.
2. SITE GRADING SHALL BE CONDUCTED, AS REQUIRED, WITHIN LEASE AREA AND ACCESS DRIVE FOR PROPER DRAINAGE.
3. A TOTAL OF TWELVE (12) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT A RAD CENTER ELEVATION OF 97'± A.G.L. ON A 100' A.G.L. PROPOSED MONOPOLE LOCATED IN THE CENTER OF THE PROPOSED COMPOUND.
4. POWER AND TELCO UTILITIES SHALL BE ROUTED UNDERGROUND FROM EXISTING UTILITY POLE ON THE PROPERTY TO THE PROPOSED UTILITY BACKBOARDS LOCATED WITHIN THE PROPOSED FENCED COMPOUND. UTILITIES SHALL BE ROUTED UNDERGROUND FROM THE PROPOSED UTILITY BACKBOARDS TO THE PROPOSED 12'X30' EQUIPMENT SHELTER LOCATED WITHIN THE COMPOUND. FINAL UTILITY ROUTING WILL BE VERIFIED BY LOCAL UTILITY COMPANIES.
5. FINAL DESIGN FOR TOWER, TOWER FOUNDATION, AND ANTENNA MOUNTS SHALL BE DONE BY THE TOWER MANUFACTURER.
6. THE PROPOSED WIRELESS FACILITY INSTALLATION SHALL BE DESIGNED IN ACCORDANCE WITH THE CURRENT CONNECTICUT STATE BUILDING CODE.
7. THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
8. THERE WILL NOT BE ANY SIGNS OR ADVERTISING ON THE ANTENNAS OR EQUIPMENT.

DRIVING DIRECTIONS FROM HARTFORD, CT:

TAKE I-84 EAST TO I-384 EAST.
 TAKE I-384 EAST TO RT-44 EAST.
 TAKE RT-44E AND CONTINUE UNTIL
 1/2 MILE PAST RT-195.
 TURN LEFT ONTO DALEVILLE RD.
 NO. 343 IS ON RIGHT.

NOTE:

1. THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.



WILLINGTON, CT
 SCALE: N.T.S.
LOCATION MAP

PROJECT SUMMARY

SITE NAME: MANSFIELD 4 CORNERS (WILLINGTON)
SITE ADDRESS: 343 DALEVILLE ROAD
 WILLINGTON, CT 06279
PROPERTY OWNER: MURIEL KREUSCHER
 343 DALEVILLE ROAD
 WILLINGTON, CT 06279
 (860) 429-3200
APPLICANT: CELLCO PARTNERSHIP
 d.b.a. VERIZON WIRELESS
 99 EAST RIVER DR.
 EAST HARTFORD, CT 06108
CONTACT PERSON: SANDY CARTER
 CELLCO PARTNERSHIP
 d.b.a. VERIZON WIRELESS
 (860) 803-8219
COORDINATES: LATITUDE: N 41°-50'-11.05" (NAD 83)
 LONGITUDE: W 72°-15'-17.85" W (NAD 83)
 COORDINATES TAKEN FROM
 FAA 2-C SURVEY CERTIFICATION

PROJECT DESCRIPTION:

THE PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF 3 SECTORS OF 4 PANEL ANTENNAS PER SECTOR WHICH SHALL BE MOUNTED TO A PROPOSED ANTENNA FRAME ATTACHED TO A PROPOSED TOWER, AND INSTALLING A 12'X30' EQUIPMENT SHELTER. THIS SYSTEM WILL BOTH TRANSMIT AND RECEIVE RADIO SIGNALS.

SHEET INDEX

SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
S-1	ABUTTERS MAP
S-2	EXISTING CONDITIONS PLAN
S-3	OVERALL SITE PLAN
S-4	PARTIAL SITE PLAN
S-5	PARTIAL SITE PLAN
S-6	PARTIAL SITE PLAN
S-7	DETAILED COMPOUND PLAN & ELEVATION
S-8	CONSTRUCTION DETAILS
S-9	FENCE NOTES & DETAILS AND SITE DETAILS
S-10	EQUIPMENT SHELTER PLAN & ELEVATIONS



N/F
ING STUDENTS No. 7 LLC
C/O RABIL PROPERTIES
MAP: 02
BLOCK: N/A
LOT: 1

N/F
THOMAS R. &
LINDA COOPER
MAP: 02
BLOCK: N/A
LOT: 2

N/F
RENE &
HAROLD W. BRUCE III
MAP: 07
BLOCK: N/A
LOT: 10B

N/F
RICHARD P. &
JOAN P. LEBLOND
MAP: 07
BLOCK: N/A
LOT: 10A

N/F
RICHARD P. &
JOAN P. LEBLOND
MAP: 07
BLOCK: N/A
LOT: 13

N/F
MURIEL
KREUSCHER
MAP: 02
BLOCK: N/A
LOT: 5

N/F
JAMES L.
KELLY
MAP: 02
BLOCK: N/A
LOT: 6

N/F
KENNELLY &
LINDA HILL
MAP: 02
BLOCK: N/A
LOT: 3

N/F
JEFFERSON M.
WILLEY
MAP: 02
BLOCK: N/A
LOT: 4

PROPOSED CELLCO
PARTNERSHIP 80'X80'
LEASE AREA



EXISTING
APARTMENT
ACCESS DRIVE

EXISTING
RESIDENCE

EXISTING
BARN

EXISTING
BUILDING
(TYP)

N/F
NICHOLAS &
HELEN
SADOW
MAP: 3
BLOCK: 9
LOT: 1

N/F
NORM &
DONALD
WARREN
MAP: 3
BLOCK: 9
LOT: 2

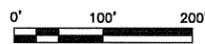
N/F
GREGORY F.
CICHOWSKI
&
EMINE K.
CICHOWSKI
MAP: 3
BLOCK: 9
LOT: 7

N/F
GREGORY F.
CICHOWSKI
&
ROBERT
BREWER
MAP: 3
BLOCK: 9
LOT: 7-1

N/F
JAMES L.
KELLY
MAP: 3
BLOCK: 9
LOT: 8

N/F
NICHOLAS &
HELEN
SADOW
MAP: 3
BLOCK: 8
LOT: 9

ABUTTERS PLAN



SCALE: 1" = 200' (FOR 11" x 17" PLOT)
1" = 100' (FOR 22" x 34" PLOT)

NOTE:

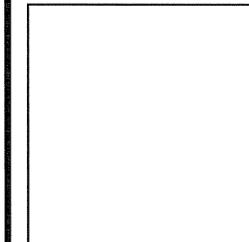
1. DIMENSIONS SHOWN ARE FROM THE CENTER OF THE PROPOSED TOWER TO THE PROPERTY LINES (MEASURED PERPENDICULAR TO PROPERTY LINES).

REFERENCE NOTE:
THIS DRAWING WAS DEVELOPED USING
INFORMATION TAKEN FROM TAX MAPS
OBTAINED FROM THE TAX ASSESSOR'S OFFICE
OF THE TOWN OF WILLINGTON, CT AND THE
TOWN OF MANSFIELD, CT.

Cellco Partnership
d.b.a. **verizon** wireless

Dewberry

Dewberry-Goodkind, Inc.
59 ELM STREET
SUITE 101
NEW HAVEN, CT 06510
203.776.2277 PHONE
203.776.2288 FAX



No.	DATE	By	Description
C	05/29/08	JNV	REV. LEASE AREA
B	05/06/08	JNV	COMPOUND LOC.
A	03/14/08	CMS	PRELIM. SIT. COUN.

REVISIONS

**MANSFIELD
4 CORNERS
(WILLINGTON)**

**343 DALEVILLE ROAD
WILLINGTON, CT 06279**

SITE NAME / ADDRESS

DRAWN BY: CMS
APPROVED BY: CKD
CHECKED BY: CKD
DATE: 03/14/08

SHEET TITLE:

**ABUTTERS
MAP**

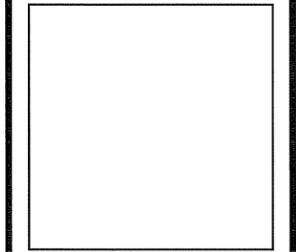
DEWBERRY P.N. 50008047

S-1

SHEET NO.

Cellco Partnership
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SITE NAME / ADDRESS

DRAWN BY CMS
APPROVED BY CKD
CHECKED BY CKD
DATE 03/14/08

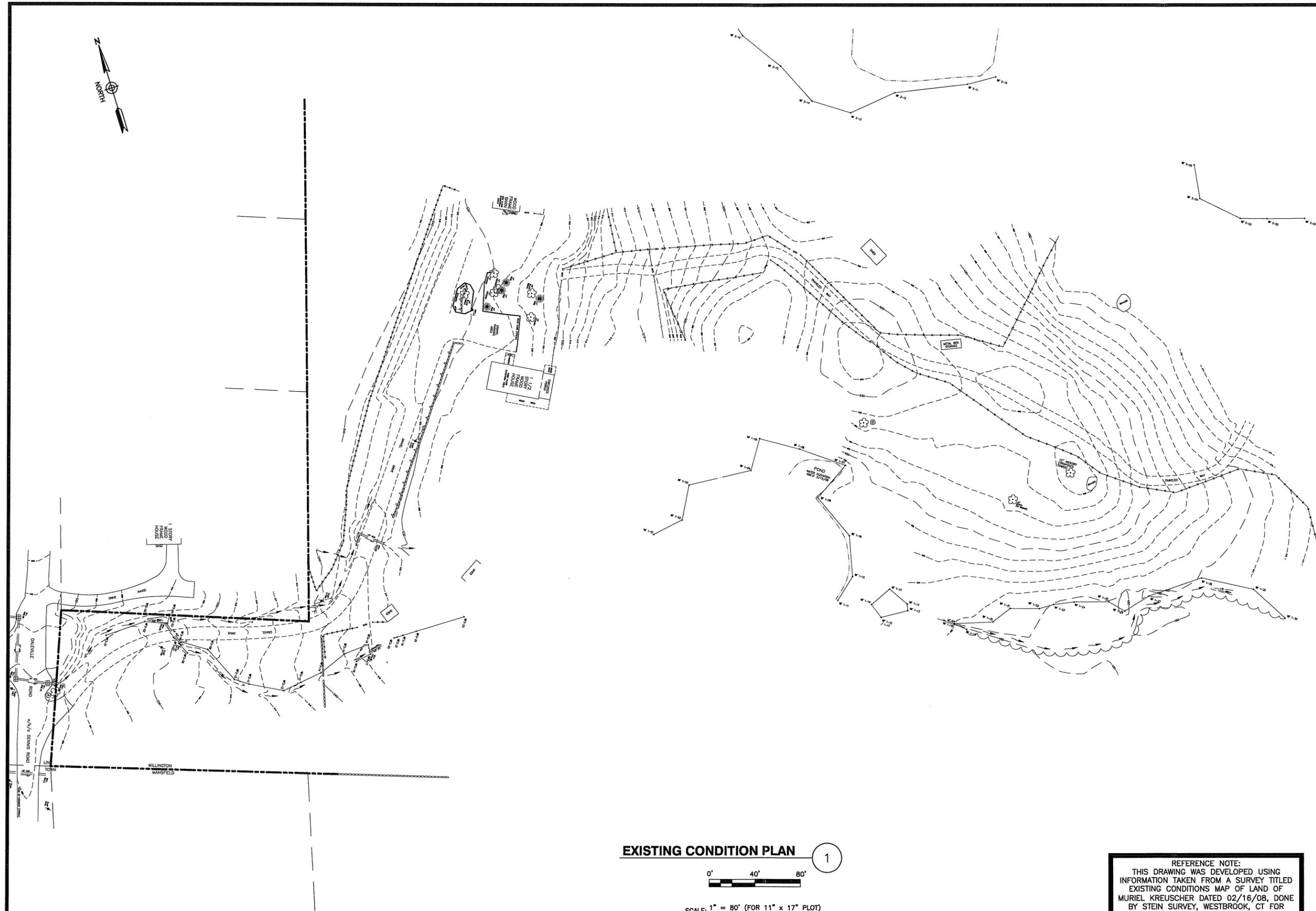
SHEET TITLE:

**EXISTING
CONDITION
PLAN**

DEWBERRY P.N. 50008047

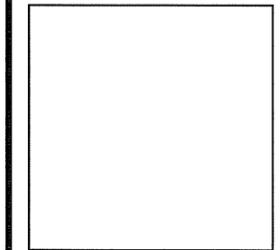
S-2

SHEET NO.



EXISTING CONDITION PLAN ①
0' 40' 80'
SCALE: 1" = 80' (FOR 11" x 17" PLOT)
1" = 40' (FOR 22" x 34" PLOT)

REFERENCE NOTE:
THIS DRAWING WAS DEVELOPED USING
INFORMATION TAKEN FROM A SURVEY TITLED
EXISTING CONDITIONS MAP OF LAND OF
MURIEL KREUSCHER DATED 02/16/08, DONE
BY STEIN SURVEY, WESTBROOK, CT FOR
CELLCO PARTNERSHIP d.b.a. VERIZON
WIRELESS



No.	DATE	By	Description
C	05/29/08	JNV	REV. LEASE AREA
B	05/06/08	JNV	COMPOUND LOC.
A	03/14/08	CMS	PRELIM. SIT. COUN.

REVISIONS

**MANSFIELD
4 CORNERS
(WILLINGTON)**
343 DALEVILLE ROAD
WILLINGTON, CT 06279

SITE NAME / ADDRESS

DRAWN BY: CMS
APPROVED BY: CKD
CHECKED BY: CKD
DATE: 03/14/08

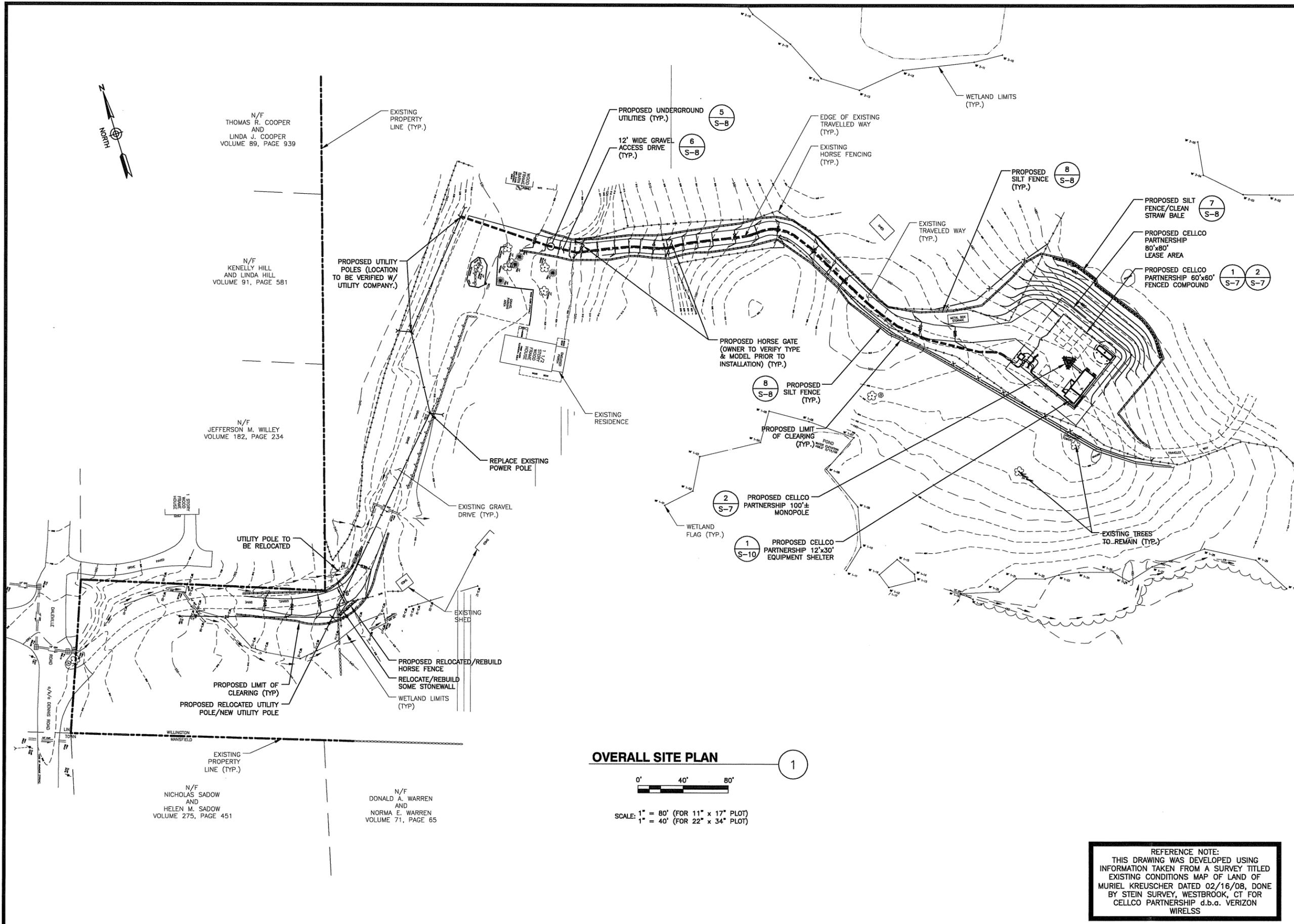
SHEET TITLE:

**OVERALL
SITE
PLAN**

DEWBERRY P.N. 50008047

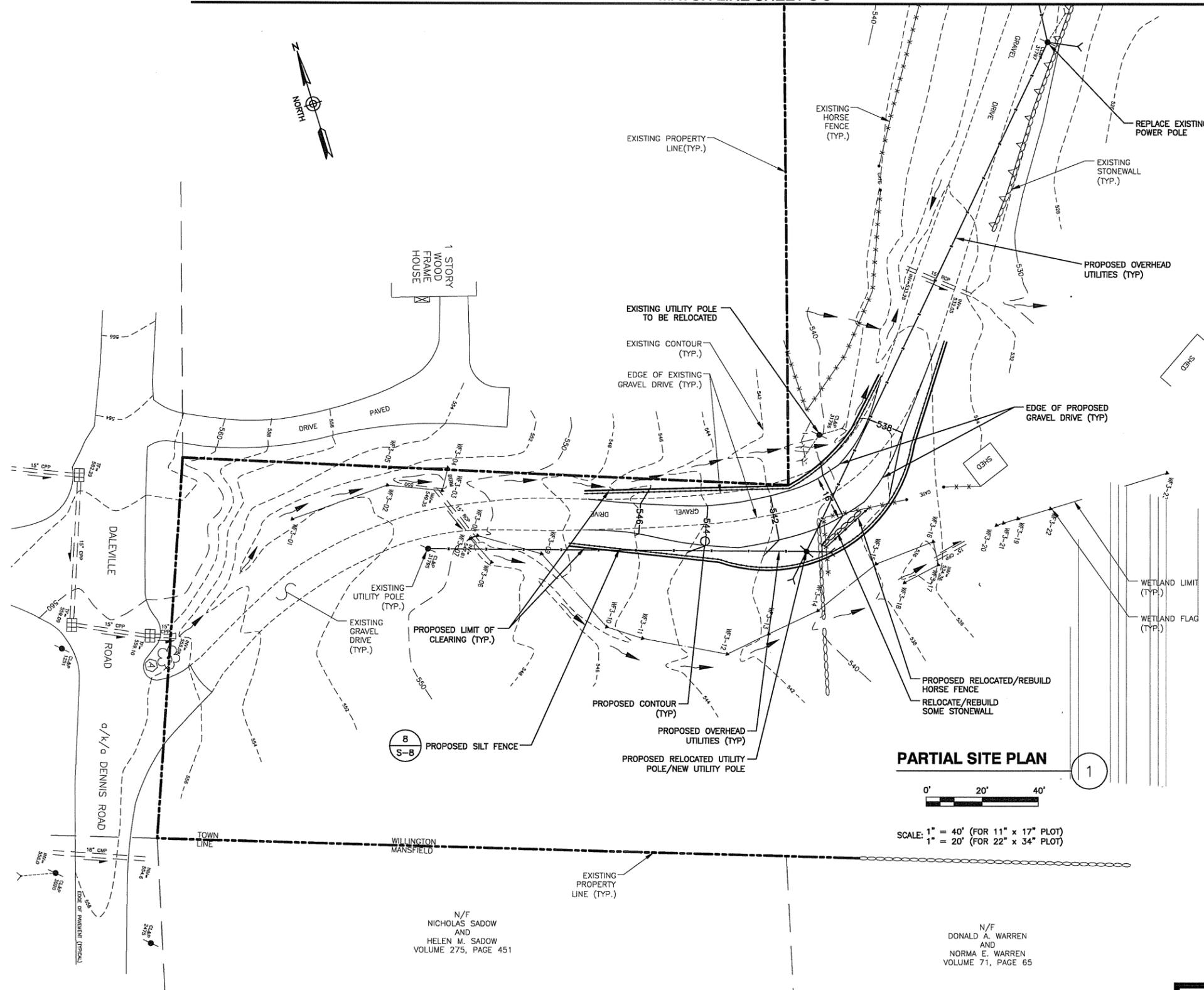
S-3

SHEET NO.



REFERENCE NOTE:
THIS DRAWING WAS DEVELOPED USING INFORMATION TAKEN FROM A SURVEY TITLED EXISTING CONDITIONS MAP OF LAND OF MURIEL KREUSCHER DATED 02/16/08, DONE BY STEIN SURVEY, WESTBROOK, CT FOR CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS

MATCH LINE SHEET S-5



PARTIAL SITE PLAN



SCALE: 1" = 40' (FOR 11" x 17" PLOT)
1" = 20' (FOR 22" x 34" PLOT)

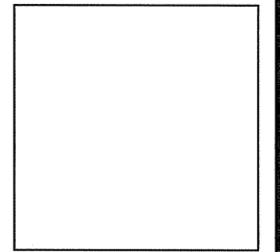
N/F
NICHOLAS SADOW
AND
HELEN M. SADOW
VOLUME 275, PAGE 451

N/F
DONALD A. WARREN
AND
NORMA E. WARREN
VOLUME 71, PAGE 65

REFERENCE NOTE:
THIS DRAWING WAS DEVELOPED USING
INFORMATION TAKEN FROM A SURVEY TITLED
EXISTING CONDITIONS MAP OF LAND OF
MURIEL KREUSCHER DATED 02/16/08, DONE
BY STEIN SURVEY, WESTBROOK, CT FOR
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WIRELESS

Cellco Partnership
d.b.a. **verizon** wireless

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B	05/06/08	JNV	COMPOUND LOC.
A	03/14/08	CMS	PRELIM. SIT. COUN.

REVISIONS

**MANSFIELD
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WILLINGTON, CT 06279

SITE NAME / ADDRESS

DRAWN BY: CMS
APPROVED BY: CKD
CHECKED BY: CKD
DATE: 03/14/08

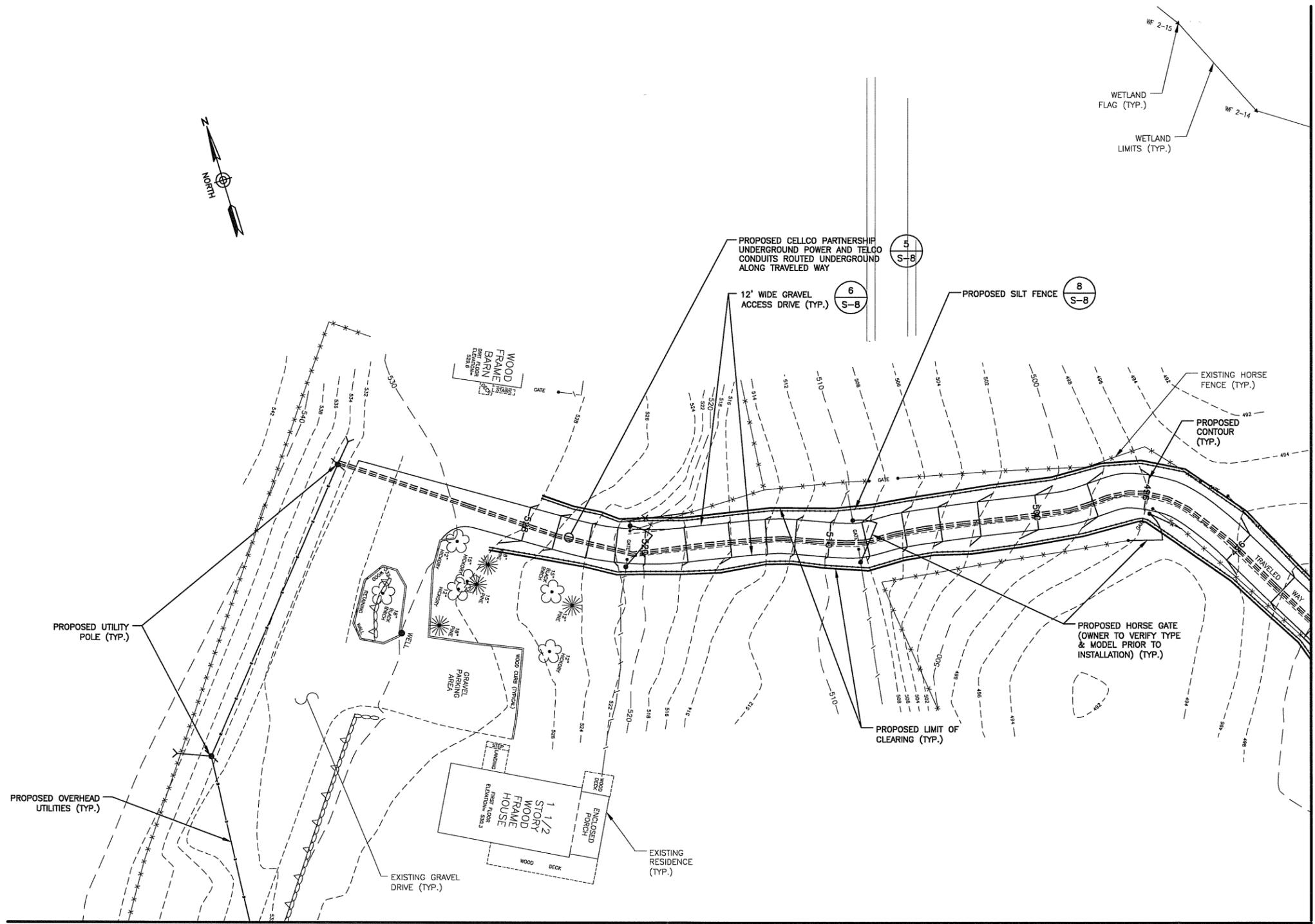
SHEET TITLE:

**PARTIAL
SITE PLAN**

DEWBERRY P.N. 50008047

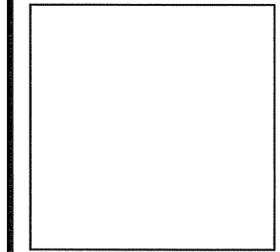
S-4

SHEET NO.



Cellco Partnership
d.b.a. **verizon** wireless

Dewberry
Dewberry-Goodkind, Inc.
59 ELM STREET
SUITE 101
NEW HAVEN, CT 06510
203.776.2277 PHONE
203.776.2288 FAX



No.	DATE	By	Description
C	05/29/08	JNV	REV. LEASE AREA
B	05/06/08	JNV	COMPOUND LOC.
A	03/14/08	CMS	PRELIM. SIT. COUN.

REVISIONS

MANSFIELD 4 CORNERS (WILLINGTON)
343 DALEVILLE ROAD
WILLINGTON, CT 06279

SITE NAME / ADDRESS

DRAWN BY CMS

APPROVED BY CKD

CHECKED BY CKD

DATE 03/14/08

SHEET TITLE:

PARTIAL SITE PLAN

DEWBERRY P.N. 50008047

S-5

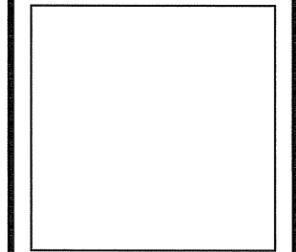
SHEET NO.

PARTIAL SITE PLAN ①

0' 20' 40'

SCALE: 1" = 40' (FOR 11" x 17" PLOT)
1" = 20' (FOR 22" x 34" PLOT)

REFERENCE NOTE:
THIS DRAWING WAS DEVELOPED USING INFORMATION TAKEN FROM A SURVEY TITLED EXISTING CONDITIONS MAP OF LAND OF MURIEL KREUSCHER DATED 02/16/08, DONE BY STEIN SURVEY, WESTBROOK, CT FOR CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS



No.	DATE	By	Description
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REVISIONS

**MANSFIELD
4 CORNERS
(WILLINGTON)**
343 DALEVILLE ROAD
WILLINGTON, CT 06279

SITE NAME / ADDRESS

DRAWN BY CMS
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DATE 03/14/08

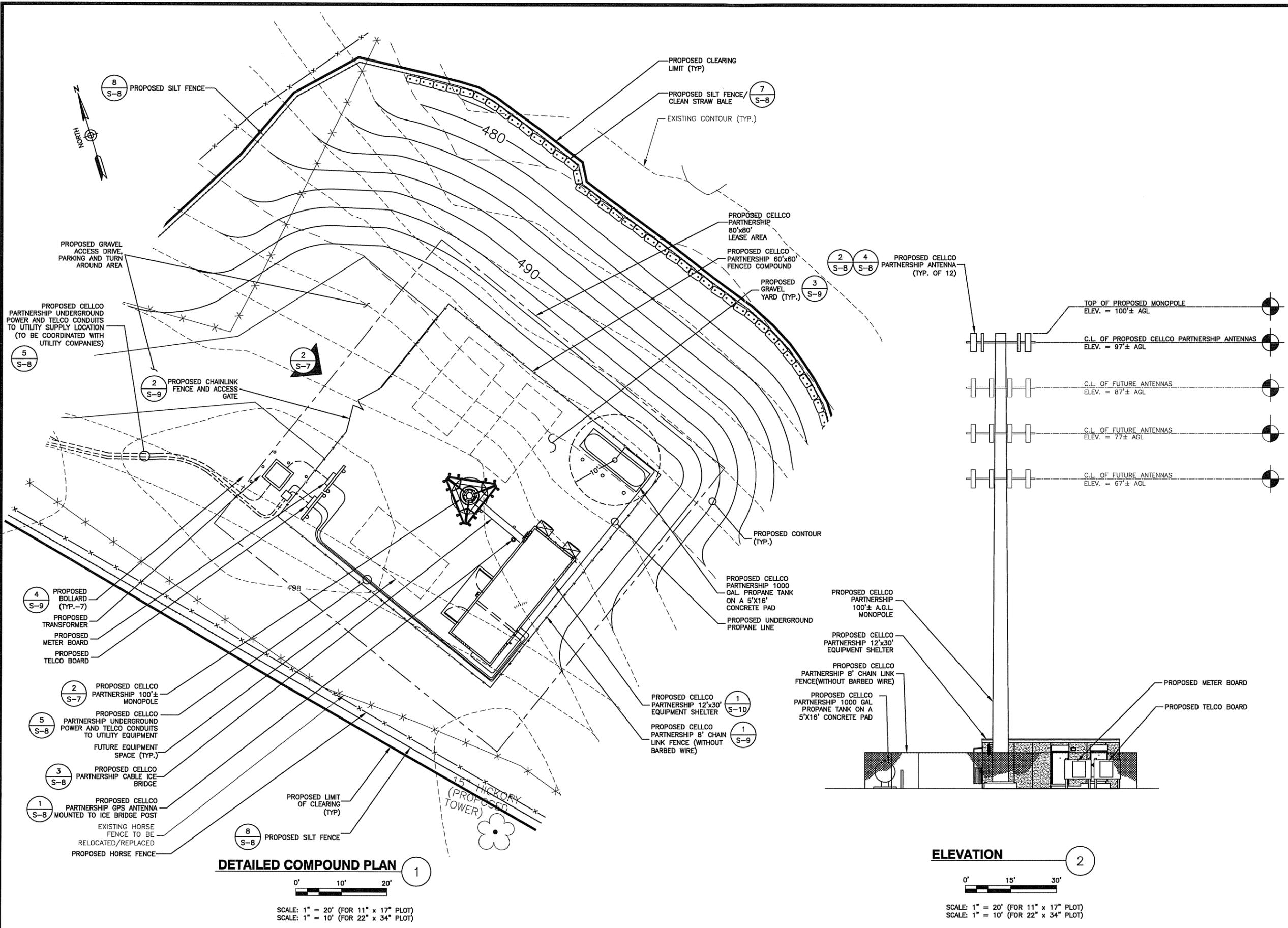
SHEET TITLE:

**DETAILED
COMPOUND PLAN
& ELEVATION**

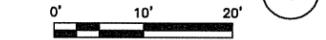
DEWBERRY P.N. 50008047

S-7

SHEET NO.



DETAILED COMPOUND PLAN (1)

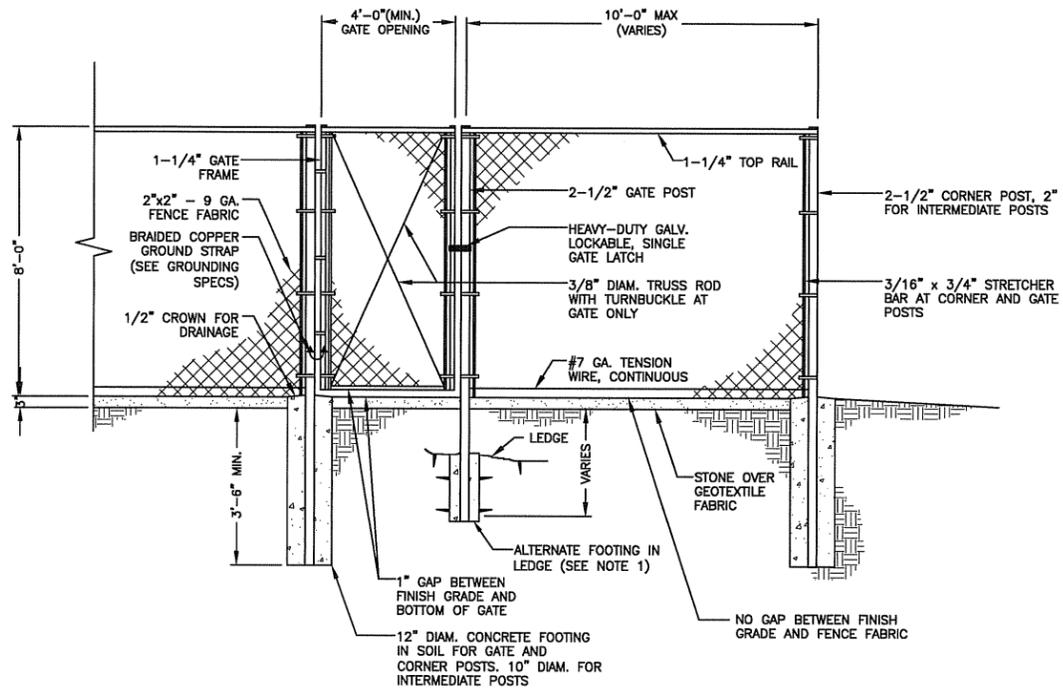


SCALE: 1" = 20' (FOR 11" x 17" PLOT)
SCALE: 1" = 10' (FOR 22" x 34" PLOT)

ELEVATION (2)



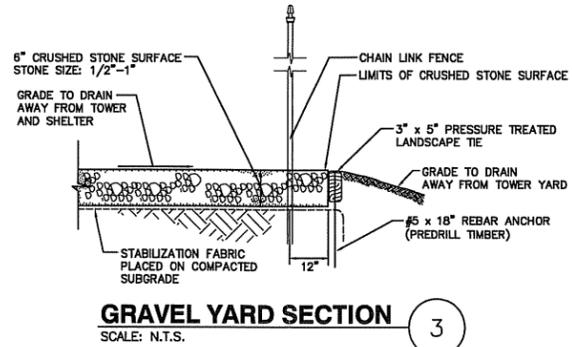
SCALE: 1" = 20' (FOR 11" x 17" PLOT)
SCALE: 1" = 10' (FOR 22" x 34" PLOT)



TYPICAL CHAIN LINK FENCE AND MAN GATE

SCALE: N.T.S.

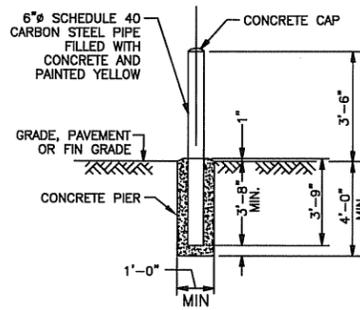
1



GRAVEL YARD SECTION

SCALE: N.T.S.

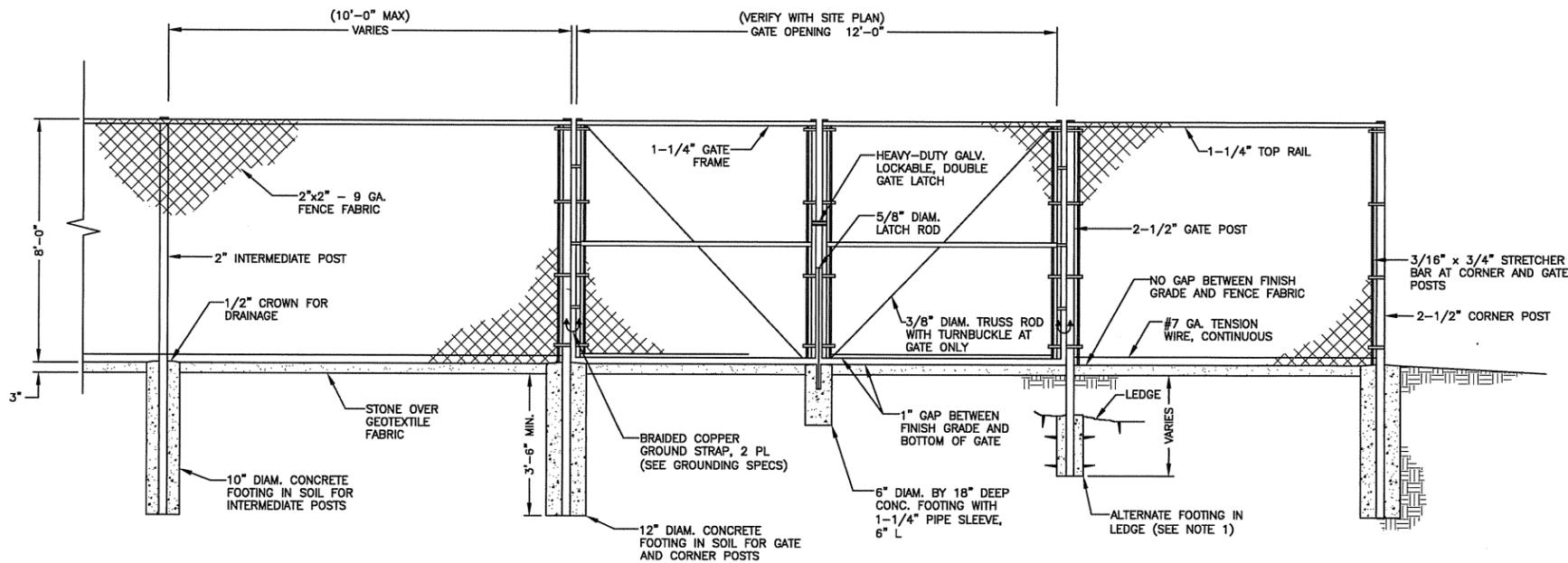
3



BOLLARD DETAIL

SCALE: N.T.S.

4



TYPICAL CHAIN LINK FENCE AND ACCESS GATE

SCALE: N.T.S.

2

CHAIN LINK FENCE NOTES AND SPECIFICATIONS:

NOTES:

1. ALTERNATE FOOTINGS FOR ALL FENCE POSTS IN LEGE: IF LEGE IS ENCOUNTERED AT GRADE, OR AT A DEPTH SHALLOWER THAN 3'-6", CORE DRILL AN 8" DIA HOLE 18" INTO THE LEGE. CENTER POST IN THE HOLE AND FILL WITH CONCRETE OR GROUT. IF LEGE IS BELOW FINISH GRADE, COAT BACKFILL SECTION OF POST WITH COAL TAR, AND BACKFILL WITH WELL-DRAINING GRAVEL.

2. ATTACH GATE WITH 1-1/2" PAIR OF NON-LIFT-OFF TYPE, MALLEABLE IRON OR FORGING, PIN-TYPE HINGES. ASSEMBLIES SHALL ALLOW FOR 180° OF GATE TRAVEL.

QUALITY ASSURANCE:

1. INSTALL FENCING PER ASTM F-567, SWING GATES PER ASTM F-900
2. COMPLY WITH STANDARDS OF THE CHAIN LINK FENCE MANUFACTURER'S INSTITUTE
3. PROVIDE STEEL FENCE AND RELATED GATES AS PRODUCED BY A SINGLE MANUFACTURER, INCLUDING NECESSARY ERECTION ACCESSORIES, FITTINGS, AND FASTENINGS
4. COMPLY WITH ASTM A-120 FOR REQUIREMENTS OF SCHEDULE 40 PIPING
5. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED IF REQUIRED.
6. HEIGHT = 7' VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION.

FINISHES:

1. STEEL FRAMEWORK:
PIPE - GALVANIZED IN ACCORDANCE WITH ASTM A-120, 2.0 OZ. ZINC PER SQ. FT. CLASS "B" STEEL TUBING - EXTERIOR: 1.0 OZ ZINC PER SQ. FT PLUS A COATING OF CHROMATE AND POLYURETHANE. INTERIOR: ZINC RICH ORGANIC COATING.

2. FABRIC: ALUMINUM FINISH - ASTM A-491 ALUMINUM COATED WITH 0.40 OZ PER SQ. FT.

3. FENCE AND GATE HARDWARE, MISCELLANEOUS MATERIALS, ACCESSORIES: WIRE TIES - GALVANIZED FINISH, ASTM A-90 2.0 OZ PER SQ. FT. HARDWARE AND OTHER MISCELLANEOUS ITEMS - GALVANIZED FINISH, ASTM A-153 (TABLE 1) ANGLE BEAMS, I BEAMS, AND STEEL SHAPES - GALVANIZED IN ACCORDANCE WITH ASTM A-123, 2.0 OZ ZINC PER SQ. FT.

4. BARBED WIRE: ALUMINUM FINISH - ASTM A-585 CLASS 2, 0.30 OZ PER SQ. FT.

PRODUCTS:

1. STEEL FRAME WORK: END POSTS, CORNER POSTS, PULL POSTS AND LINE POSTS - CLASS B STEEL TUBING: 2.875" OD, 4.84 LB PER LINEAR FT; SS-40 FENCE PIPE
2. STEEL FABRIC: ONE PIECE WIDTHS FOR FENCE HEIGHTS UP TO 12'-0"; CHAIN LINK NO. 9 GAUGE, 2 INCH MESH; SELVAGES: TOP SIDE TWISTED AND BARBED, BOTTOM SIDE KNUCKLED.
3. SWING GATE POSTS: PIPE - 4" OD, 9.11 LB PER LINEAR FT (SCHEDULE 40)
4. SWING GATE FRAMES: CLASS B STEEL TUBING - 1.90" OD, 2.28 LB PER LINEAR FT; SS-40 FENCE PIPE
5. GATE HARDWARE: HINGES - NON-LIFT-OFF TYPE, OFFSET TO PERMIT 180° DOOR SWING, AND OF SUITABLE SIZE AND WEIGHT TO SUPPORT GATE. PROVIDE 1 1/2" PAIR OF HINGES FOR EACH LEAF OVER 6' HIGH. LATCH - PROVIDE INDUSTRIAL SINGLE LEAF LATCH BY CARGO PROTECTORS, INC. (OR APPROVED EQUAL) AS SUPPLIED BY AFSCO FENCE SUPPLY CO. (OR SIMILAR VENDOR) FOR ALL DOUBLE SWING GATES OVER 10' IN TOTAL WIDTH.
6. RAILS AND POST BRACES: CLASS B STEEL TUBING - 1.660 INCHES OD, 1.84 LB PER LINEAR FT; SS-40 FENCE PIPE
7. POST TOPS: STEEL, WROUGHT IRON, OR MALLEABLE IRON.
8. STRETCHER BARS: ONE PIECE EQUAL TO FULL HEIGHT OF FABRIC, MINIMUM CROSS-SECTION 3/16" x 3/4".
9. METAL BANDS (FOR STRETCHER BARS): STEEL, WROUGHT IRON, OR MALLEABLE IRON, TO SECURE STRETCHER BARS TO END, CORNER, PULL GATE POSTS.
10. WIRE TIES: FOR TYING FABRIC TO LINE POSTS, RAILS AND BRACES - 9 GAUGE STEEL WIRE
11. TRUSS RODS: 3/8" DIA.
12. ANGLE BEAMS, I BEAMS AND STEEL SHAPES: ASTM A-36
13. BOLTS AND NUTS: ASTM A-307, GRADE A
14. CONCRETE: MINIMUM 3000 PSI AT 28 DAYS

INSTALLATION:

1. SPACE POSTS EQUIDISTANT IN THE FENCE LINE WITH A MAXIMUM OF 10' ON CENTER
2. LOCATE CORNER POSTS AT CORNERS AND AT CHANGES IN DIRECTION.
3. INSTALL BRACE AND BOTTOM RAILS IN ONE PIECE BETWEEN POSTS AND FLUSH WITH POST ON FABRIC SIDE USING SPECIAL OFFSET FITTINGS WHERE NECESSARY.
4. DIAGONALLY BRACE CORNER POSTS, PULL POSTS, AND TERMINATE POSTS TO ADJACENT LINE POSTS WITH TRUSS RODS AND TURNBUCKLES
5. ATTACH FABRIC TO SECURITY SIDE OF FENCE. MAINTAIN A 2" CLEARING ABOVE FINISHED GRADE EXCEPT WHEN INDICATED OTHERWISE. THREAD STRETCHER BARS THROUGH FABRIC USING ONE BAR FOR EACH GATE AND END POST AND TWO FOR EACH CORNER AND PULL POST. PULL FABRIC TIGHT SO THAT THE MAXIMUM DEFLECTION OF FABRIC IS 2" WHEN A PULL IS EXERTED PERPENDICULAR TO THE CENTER OF A PANEL. MAINTAIN TENSION BY SECURING STRETCHER BARS TO POSTS WITH METALS BANDS SPACED 15" O.C. FOR RAILS AND BRACES. BEND BACK WIRE ENDS TO PREVENT INJURY. TIGHTEN STRETCHER BAR BANDS, WIRE TIES, AND OTHER FASTENERS SECURELY.
6. POSITION BOLTS FOR SECURING METAL BANDS AND HARDWARE SO NUTS ARE LOCATED OPPOSITE THE FABRIC SIDE OF FENCE. TIGHTEN NUTS AND SCORE EXCESS THREADS. SECURE POST TOPS, EXTENSION ARMS, AND CAPS WITH ONE-WAY CADMIUM PLATED STEEL SCREWS.
7. INSTALL GATES PLUMB AND LEVEL AND ADJUST FOR FULL OPENING WITHOUT INTERFERENCE. INSTALL GROUND-SET ITEMS IN CONCRETE FOR ANCHORAGE, AS RECOMMENDED BY A FENCE MANUFACTURER. ADJUST HARDWARE FOR SMOOTH OPERATION AND LUBRICATE WHERE NECESSARY.

Cellco Partnership
d.b.a. **verizon** wireless

Dewberry
Dewberry-Goodkind, Inc.
59 ELM STREET
SUITE 101
NEW HAVEN, CT 06510
203.776.2277 PHONE
203.776.2288 FAX

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C	05/29/08	JNV	REV. LEASE AREA
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REVISIONS

**MANSFIELD
4 CORNERS
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343 DALEVILLE ROAD
WILLINGTON, CT 06279

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CHECKED BY CKD
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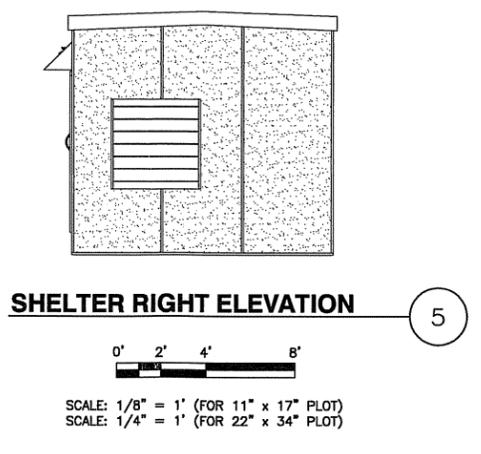
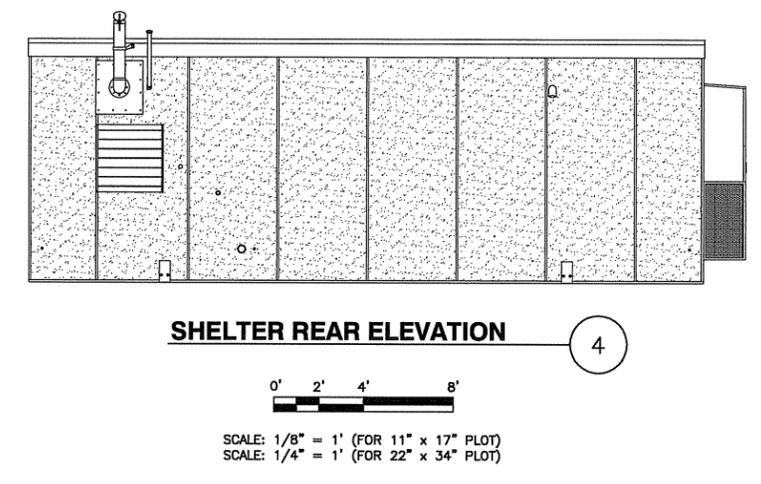
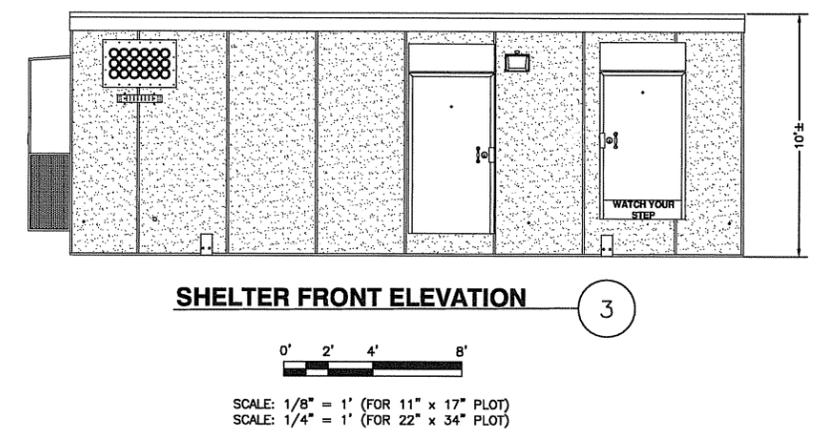
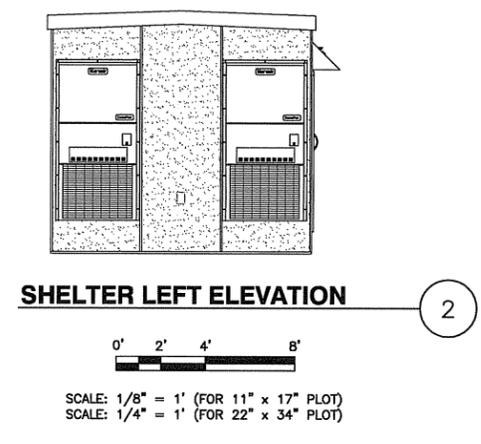
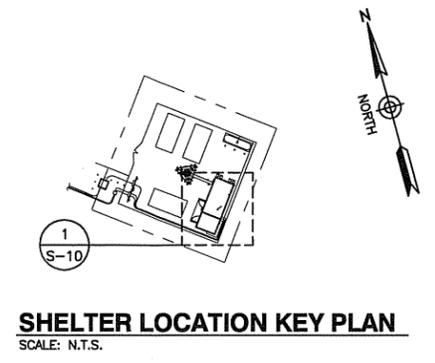
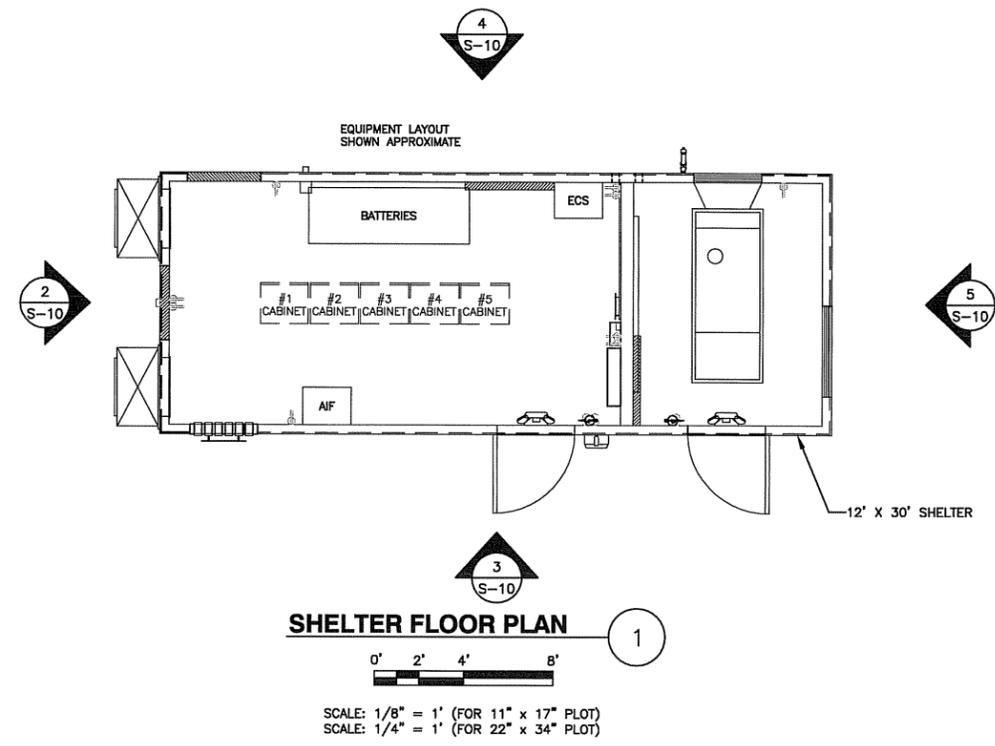
SHEET TITLE:

**FENCE NOTES
& DETAILS
AND SITE
DETAILS**

DEWBERRY P.N. 50008047

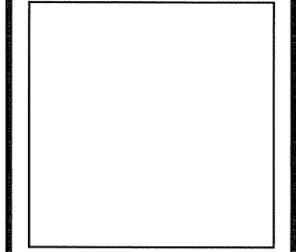
S-9

SHEET NO.



Cellco Partnership
d.b.a. **verizon** wireless

Dewberry
Dewberry-Goodkind, Inc.
59 ELM STREET
SUITE 101
NEW HAVEN, CT 06510
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A	03/14/08	CMS	PRELIM. SIT. COUN.

REVISIONS

**MANSFIELD
4 CORNERS
(WILLINGTON)**
343 DALEVILLE ROAD
WILLINGTON, CT 06279

SITE NAME / ADDRESS

DRAWN BY CMS
APPROVED BY CKD
CHECKED BY CKD
DATE 03/14/08

SHEET TITLE:
**EQUIPMENT
SHELTER PLAN
& ELEVATIONS**

DEWBERRY P.N. 50008047

S-10

SHEET NO.

APPLICATION GUIDE¹

- App. p. i (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;
- App. pp. 1-4 (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;
- App. pp. 1-2 (C) A statement of the purpose for which the application is made;
- App. p. 1 (D) A statement describing the statutory authority for such application;
- App. pp. 4-5 (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 association, or other organized group, it shall also give the state under the laws of which it was created or organized;
- App. pp. 4-5 (F) The name, title, address and telephone number of the attorney or other person to whom correspondence or communications in regard to the application are to be addressed. Notice, orders, and other papers may be served upon the person so named, and such service shall be deemed to be service upon the applicant;
- App. pp. 7-8
Attachments 1 and 7 (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;
- App. pp. 11-12 (H) A statement of the benefits expected from the proposed facility with as much specific information as is practicable;

¹ This Application Guide is copied directly from the "Connecticut Siting Council Application Guide," Section VI, as amended February 16, 2007. References to the Regulations of Connecticut State Agencies ("RCSA") contained in the Guide have been omitted.

App. pp. 1-4, 9-12
Attachments 1 and 7

- (I) A description of the proposed facility at the named sites including:
- (1) Height of the tower and its associated antennas including a maximum “not to exceed height” for the facility, which may be higher than the height proposed by the Applicant;
 - (2) Access roads and utility services;
 - (3) Special design features;
 - (4) Type, size, and number of transmitters and receivers, as well as the signal frequency and conservative worst-case and estimated operational level approximation of electro magnetic radio frequency power density levels (facility using FCC Office of Engineering and Technology Bulletin 65, August 1997) at the base of the tower base, site compound boundary where persons are likely to be exposed to maximum power densities from the facility;
 - (5) A map showing any fixed facilities with which the proposed facility would interact;
 - (6) The coverage signal strength, and integration of the proposed facility with any adjacent fixed facility, to be accompanied by multi-colored propagation maps of red, green and yellow (exact colors may differ depending on computer modeling used, but a legend is required to explain each color used) showing interfaces with any adjacent service areas, including a map scale and north arrows; and
 - (7) For cellular systems, a forecast of when maximum capacity would be reached for the proposed facility and for facilities that would be integrated with the proposed facility.

Attachment 1

- (J) A description of the named sites, including:
- (1) The most recent U.S.G.S. topographic quadrangle map (scale 1 inch = 2,000 feet) marked to show the site of the facility and any significant changes within a one-mile radius of the site;
 - (2) A map (scale not less than 1 inch = 200 feet) of the lot or tract on which the facility is proposed to be located showing the acreage and dimensions of such site, the name and location of adjoining public roads or the nearest public road, and the names of abutting owners and the portions of their lands abutting the site;
 - (3) A site plan (scale not less than 1 inch = 40 feet) showing the proposed facility, set back radius, existing and proposed contour elevations, 100-year flood zones, waterways, wetlands, and all associated equipment and structures on the site;
 - (4) Where relevant, a terrain profile showing the proposed facility and access road with existing and proposed grades; and
 - (5) The most recent aerial photograph (scale not less than 1 inch = 1,000 feet) showing the proposed site, access roads, and all abutting properties.

Attachment 1

- (K) A statement explaining mitigation measures for the proposed facility including:
- (1) Construction techniques designed specifically to minimize adverse effects on natural areas and sensitive areas;
 - (2) Special design features made specifically to avoid or minimize adverse effects on natural areas and sensitive areas;
 - (3) Establishment of vegetation proposed near residential, recreation, and scenic areas; and
 - (4) Methods for preservation of vegetation for wildlife habitat and screening.

App. pp. 1-4 and 16
Attachment 10

- (L) A description of the existing and planned land uses of the named sites and surrounding areas;

- App. pp. 12-15
Attachments 10 and 11 (M) A description of the scenic, natural, historic, and recreational characteristics of the named sites and surrounding areas including officially designated nearby hiking trails and scenic roads;
- Attachment 10 (N) Sight line graphs to the named sites from visually impacted areas such as residential developments, recreational areas and historic sites;
- Attachment 9 (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;
- App. pp. 10-11
Attachment 9 (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;
- App. p. 9
Attachment 1 (Q) A description of technological alternatives and a statement containing justification for the proposed facility;
- Attachment 9 (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;
- App. pp. 9-10
Attachments 1 and 9 (S) A detailed description and justification for the site(s) selected, including a description of siting criteria and the narrowing process by which other possible sites were considered and eliminated including, but not limited to, environmental effects, cost differential, coverage lost or gained, potential interference with other facilities, and signal loss due to geographic features compared to the proposed site(s);
- App. p. 15 (T) A statement describing hazards to human health, if any, with such supporting data and references to regulatory standards;
- App. p. 21 (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;

- App. p. 21 (V) A schedule showing the proposed program of site acquisition, construction, completion, operation and relocation or removal of existing facilities for the named sites;
- App. p. 13 (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;
- App. pp. 18-20
Attachments 1 and 11
Bulk File Exhibits (X) Such information as any department or agency of the State exercising environmental controls may, by regulation, require including:
- (1) A listing of any federal, state, regional, district, and municipal agencies, including but not limited to the Federal Aviation Administration; Federal Communications Commission; State Historic Preservation Officer; State Department of Environmental Protection; and local conservation, inland wetland, and planning and zoning commissions with which reviews were conducted concerning the facility, including a copy of any agency position or decision with respect to the facility; and
 - (2) The most recent conservation, inland wetland, zoning, and plan of development documents of the municipality, including a description of the zoning classification of the site and surrounding areas, and a narrative summary of the consistency of the project with the Town's regulations and plans.
- Attachment 1
(Project Plans) (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;
- N/A (Z) Such information as the applicant may consider relevant.

CERTIFICATION OF SERVICE

I hereby certify that on this 25th day of August, 2008, copies of the Application and attachments were sent by certified mail, return receipt requested, to the following:

STATE OFFICIALS:

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

Gina McCarthy, Commissioner
Connecticut Department of Environmental Protection
79 Elm Street
Hartford, CT 06106

J. Robert Galvin, M.D., M.P.H., M.B.A., Commissioner
Department of Public Health and Addiction Services
410 Capitol Avenue
P.O. Box 340308, MS 13COM
Hartford, CT 06134-0308

Karl J. Wagener, Executive Director
Council on Environmental Quality
79 Elm Street
P.O. Box 5066
Hartford, CT 06106

Donald W. Downes, Chairman
Department of Public Utility Control
Ten Franklin Square
New Britain, CT 06051

Robert L. Genuario, Secretary
Office of Policy and Management
450 Capitol Avenue
Hartford, CT 06134-1441

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

Joseph F. Marie, Commissioner
Department of Transportation
P.O. Box 317546
2800 Berlin Turnpike
Newington, CT 06131-7546

Karen Senich, Executive Director
Deputy State Historic Preservation Officer
Connecticut Commission on Culture & Tourism
One Constitution Plaza, 2nd Floor
Hartford, CT 06103

WILLINGTON TOWN OFFICIALS:

Michael L. Eldredge
First Selectman
Town of Willington
40 Old Farms Road
Willington, CT 06279

The Honorable Anthony Guglielmo
Senator – 35th District
100 Stafford Street
Stafford Springs, CT 06076

The Honorable Bryan Hurlburt
Representative – 53rd District
268 Hartford Turnpike
Tolland, CT 06084

Donna Hardie
Town Clerk
Town of Willington
40 Old Farms Road
Willington, CT 06279

Matt Ellis, Chairman
Planning and Zoning Commission
Town of Willington
40 Old Farms Road
Willington, CT 06279

Mark Masinda, Chairman
Zoning Board of Appeals
Town of Willington
40 Old Farms Road
Willington, CT 06279

Susan Yorgensen
Planning-Zoning/Wetlands Agent
Town of Willington
40 Old Farms Road
Willington, CT 06279

Kenneth Metzler, Chairman
Inland Wetlands and Watercourses
Town of Willington
40 Old Farms Road
Willington, CT 06279

MANSFIELD TOWN OFFICIALS:

Matthew Hart
Town Manager
Town of Mansfield
4 South Eagleville Road
Mansfield, CT 06268

The Honorable Donald E. Williams, Jr.
Senator – 29th District
Legislative Office Building
Room 3300
Hartford, CT 06106

The Honorable Denise W. Merrill
Representative – 54th District
P.O. Box 804
Mansfield, CT 06268

Mary Stanton
Town Clerk
Town of Mansfield
4 South Eagleville Road
Mansfield, CT 06268

Rudy Favretti, Chair
Planning & Zoning Commission
Town of Mansfield
4 South Eagleville Road
Mansfield, CT 06268

Carol Pellegrine, Chair
Zoning Board of Appeals
Town of Mansfield
4 South Eagleville Road
Mansfield, CT 06268

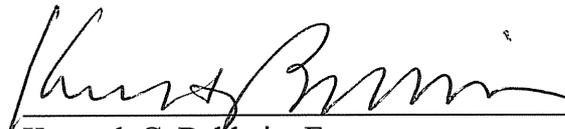
Gregory Padick
Director of Planning
Town of Mansfield
4 South Eagleville Road
Mansfield, CT 06268

Curt Hirsch
Zoning Agent
Town of Mansfield
4 South Eagleville Road
Mansfield, CT 06268

Rudy Favretti, Chair
Inland Wetland Agency
Town of Mansfield
4 South Eagleville Road
Mansfield, CT 06268

Windham Region Council of Governments
968 Main Street
Willimantic, CT 06226

Federal Communications Commission
445 12th Street SW
Washington, DC 20554



Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103
Telephone: (860) 275-8200
Attorneys for Cellco Partnership d/b/a Verizon Wireless

LEGAL NOTICE

Notice is hereby given, pursuant to Section 16-50(b) of the Connecticut General Statutes and Regulations pertaining thereto, of an Application to be submitted to the Connecticut Siting Council (“Council”) on or about August 25, 2008, by Cellco Partnership d/b/a Verizon Wireless (“Cellco” or the “Applicant”). The Application proposes the installation of a wireless telecommunications facility in the Town of Willington, Connecticut. The facility would be located in the center of a 22 acre parcel at 343 Daleville Road on land owned by Muriel Kreuscher. At this site, Cellco proposes to construct a 100-foot tower and install a 12’ x 30’ shelter near the base of the tower to house its radio equipment and a back-up generator. Vehicular and utility access to site would extend from Daleville Road. The location and other features of the proposed facility are subject to change under provisions of Connecticut General Statutes § 16-50g et seq.

On the day of the Siting Council public hearing on this proposal, Cellco will fly a balloon at the height of the proposed towers described above, between the hours of 8:00 a.m. and 5:00 p.m. Interested parties and local residents 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
Town of Willington
Town Hall
40 Old Farms Road
Willington, CT 06279

Cellco Partnership d/b/a Verizon Wireless
99 East River Drive
East Hartford, CT 06108

Town Clerk
Town of Mansfield
Town Hall
4 South Eagleville Road
Mansfield, CT 06268

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

CELLCO PARTNERSHIP d/b/a VERIZON
WIRELESS

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597
(860) 275-8200
Its Attorneys

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

August 21, 2008

Via Certified Mail Return Receipt Requested

«Name_and_Address»

**Re: Cellco Partnership d/b/a Verizon Wireless
Proposed Telecommunications Facility
Willington, Connecticut**

Dear «Salutation»:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") will be submitting an application to the Connecticut Siting Council ("Council") on or about August 25, 2008, for approval of the construction of a telecommunications facility in the Town of Willington, Connecticut.

The facility would consist of a new 100-foot self-supporting monopole tower and a 12' x 30' equipment shelter located on a 22 acre parcel at 343 Daleville Road. An on-site backup generator would also be installed inside Cellco's equipment shelter. The tower would be designed to accommodate multiple carriers. Vehicular and utility access to the site would extend from Daleville Road.

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

State law provides that owners of record of property which abuts a parcel on which the proposed facility may be located must receive notice of the submission of this application. This notice is directed to you either because you may be an abutting land owner or as a courtesy notice.

August 21, 2008
Page 2

If you have any questions concerning the application, please direct them to either the Connecticut Siting Council or me. My address and telephone number are listed above. The Siting Council may be reached at its New Britain, Connecticut office at (860) 827-2935.

Very truly yours,

Kenneth C. Baldwin

ADJACENT PROPERTY OWNERS

SITE NAME: WILLINGTON

OWNER NAME: MURIEL KREUSCHER

OWNER ADDRESS: 343 DALEVILLE ROAD, WILLINGTON, CONNECTICUT 06277

ASSESSOR'S REFERENCE: MAP: 02 LOT: 005

THE FOLLOWING INFORMATION WAS COLLECTED FROM THE TAX ASSESSOR'S RECORDS AND LAND RECORDS OF WILLINGTON TOWN HALL, WILLINGTON, AND MANSFIELD TOWN HALL, MANSFIELD, CONNECTICUT. THE INFORMATION IS CURRENT AS OF JULY 23, 2008.

THE PARCEL IS ZONED R-80 RESIDENTIAL.

WILLINGTON ABUTTERS

	<u>Map/Lot</u>	<u>Property Address</u>	<u>Owner Name and Mailing Address</u>
1.	02/1	380 Daleville Road	ING US STUDENTS NO 7 LLC c/o Rabil Properties 200 Business Park Drive, Suite 204 Armonk, NY 10504
2.	02/6	Boston Turnpike	James L. Kelly 811 Middle Turnpike Storrs, CT 06268
3.	02/3	327 Daleville Road	Kennelly and Linda Hill 327 Daleville Road Willington, CT 06279
4.	02/2	325 Daleville Road	Thomas R. and Linda J. Cooper 325 Daleville Road Willington, CT 06279
5.	02/4	331 Daleville Road	Jefferson M. Willey P.O. Box 6335 Columbia, MD 21045
6.	07/10A	Daleville Road	Richard P. and Joan P. Leblond 275 Daleville Road Willington, CT 06279

	<u>Map/Lot</u>	<u>Property Address</u>	<u>Owner Name and Mailing Address</u>
7.	07/13	Daleville Road	Richard P. and Joan P. Leblond 275 Daleville Road Willington, CT 06279
8.	07/10B	315 Daleville Road	Rene Bruce and Harold W. Bruce III 315 Daleville Road Willington, CT 06279

MANSFIELD ABUTTERS

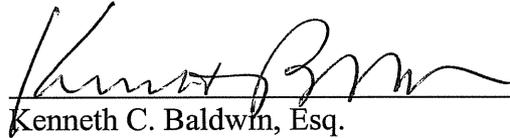
1.	3/9/1	70 Daleville Road	Nicholas and Helen Sadow 67 Daleville Road Storrs, CT 06268
2.	3/9/2	769 Middle Turnpike	Norma and Donald Warren 769 Middle Turnpike Storrs, CT 06268
3.	3/9/7-1	805 Middle Turnpike	Gregory F. Cichowski and Robert Brewer P.O. Box 223 Mansfield Depot, CT 06251
4.	3/9/8	811 Middle Turnpike	James L. Kelly 811 Middle Turnpike Storrs, CT 06251
5.	3/8/9	67 Daleville Road	Nicholas and Helen Sadow 67 Daleville Road Storrs, CT 06268
6.	3/9/7	799 Middle Turnpike	Gregory F. Cichowski and Emine K. Cichowski P.O. Box 223 Mansfield Depot, CT 06251

CERTIFICATION OF SERVICE

I hereby certify that a copy of the foregoing letter was sent by certified mail, return receipt requested, to each of the parties on the attached lists of abutting landowners.

August 21, 2008

Date



Kenneth C. Baldwin, Esq.

Robinson & Cole LLP

280 Trumbull Street

Hartford, CT 06103

Attorneys for CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS

ULS License

Cellular License - KNKA404 - Cellco Partnership

Call Sign	KNKA404	Radio Service	CL - Cellular
Status	Active	Auth Type	Regular

Market

Market	CMA032 - Hartford-New Britain-Bristol, CT	Channel Block	A
Submarket	0	Phase	2

Dates

Grant	02/05/2008	Expiration	01/22/2018
Effective	02/08/2008	Cancellation	

Five Year Buildout Date

10/16/1992

Control Points

1 500 W. Dove Rd., TARRANT, Southlake, TX
P: (800)264-6620

Licensee

FRN	0003290673	Type	General Partnership
-----	------------	------	---------------------

Licensee

Cellco Partnership 1120 Sanctuary Pkwy, #150 GASASREG Alpharetta, GA 30004 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:Network.Regulatory@VerizonWireless.com
---	--

Contact

Verizon Wireless Sonya R Dutton 1120 Sanctuary Pkwy #150 GASASREG Alpharetta, GA 30004 ATTN Network Regulatory	P:(770)797-1070 F:(770)797-1036 E:Network.Regulatory@VerizonWireless.com
--	--

Ownership and Qualifications

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No
Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	No
Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or	Yes

representative thereof, or by any corporation organized under the laws of a foreign country?

If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application? **Yes**

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Demographics

Race

Ethnicity

Gender

ULS License

PCS Broadband License - KNLH251 - Cellco Partnership

Call Sign	KNLH251	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Market

Market	BTA184 - Hartford, CT	Channel Block	F
Submarket	0	Associated Frequencies (MHz)	001890.00000000-001895.00000000-001970.00000000-001975.00000000

Dates

Grant	07/23/2007	Expiration	06/27/2017
Effective	07/23/2007	Cancellation	

Buildout Deadlines

1st	06/27/2002	2nd	
-----	------------	-----	--

Notification Dates

1st	05/17/2002	2nd	
-----	------------	-----	--

Licensee

FRN	0003290673	Type	Joint Venture
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Licensee

Cellco Partnership 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30004 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:Network.Regulatory@VerizonWireless.com
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Contact

Verizon Wireless Sonya R Dutton 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30004 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:Network.Regulatory@VerizonWireless.com
---	--

Ownership and Qualifications

Radio Service Type	Mobile
Regulatory Status	Common Carrier Interconnected Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No
Is the applicant a corporation of which more than one-fifth of	No

the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? **Yes**

If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application?

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Demographics

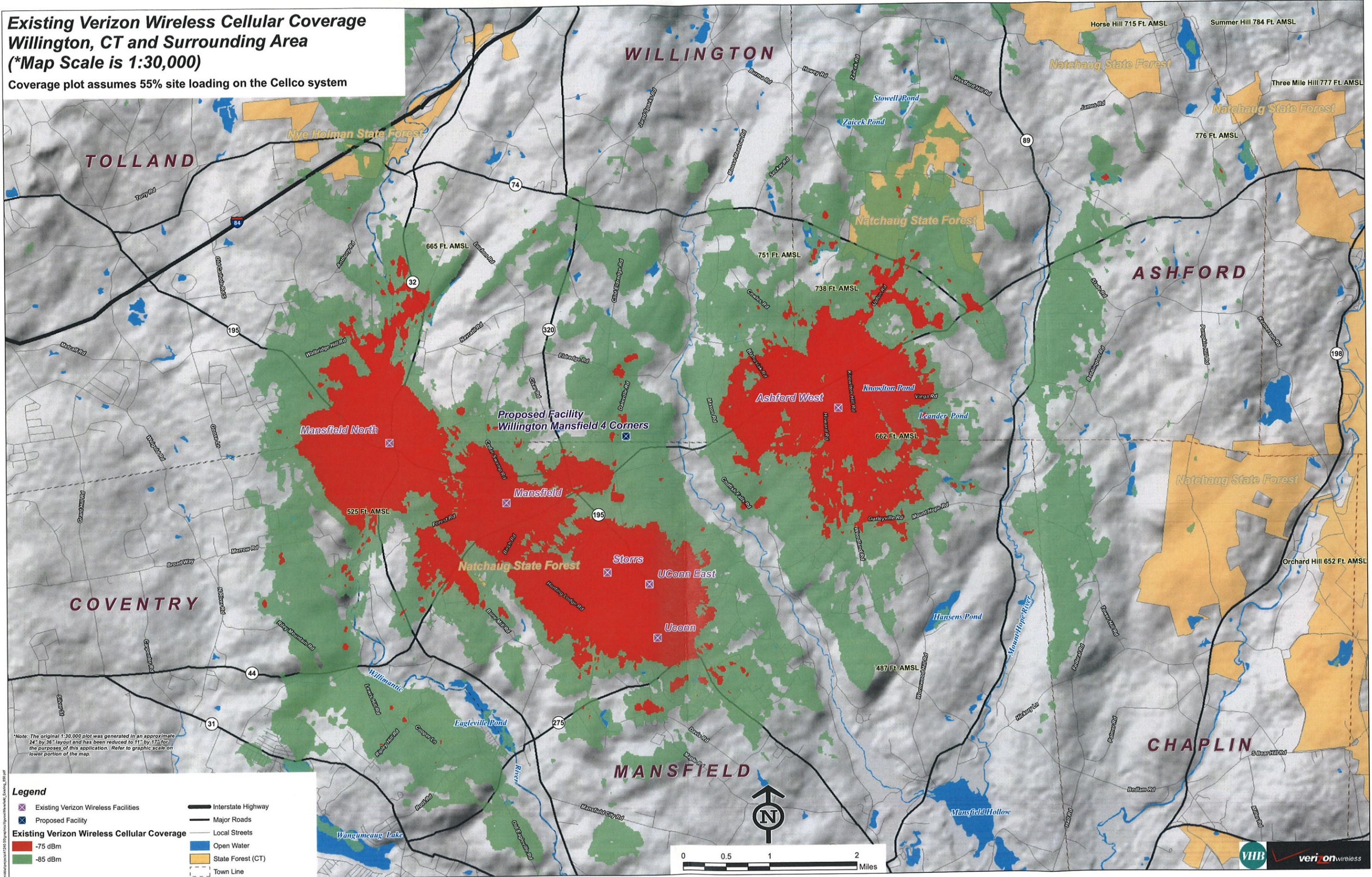
Race

Ethnicity

Gender

**Existing Verizon Wireless Cellular Coverage
Willington, CT and Surrounding Area
(*Map Scale is 1:30,000)**

Coverage plot assumes 55% site loading on the Cellco system



*Note: The original 1:30,000 plot was generated in an approximate 24" by 36" layout and has been reduced to 11" by 17" for the purposes of this application. Refer to graphic scale on lower portion of the map.

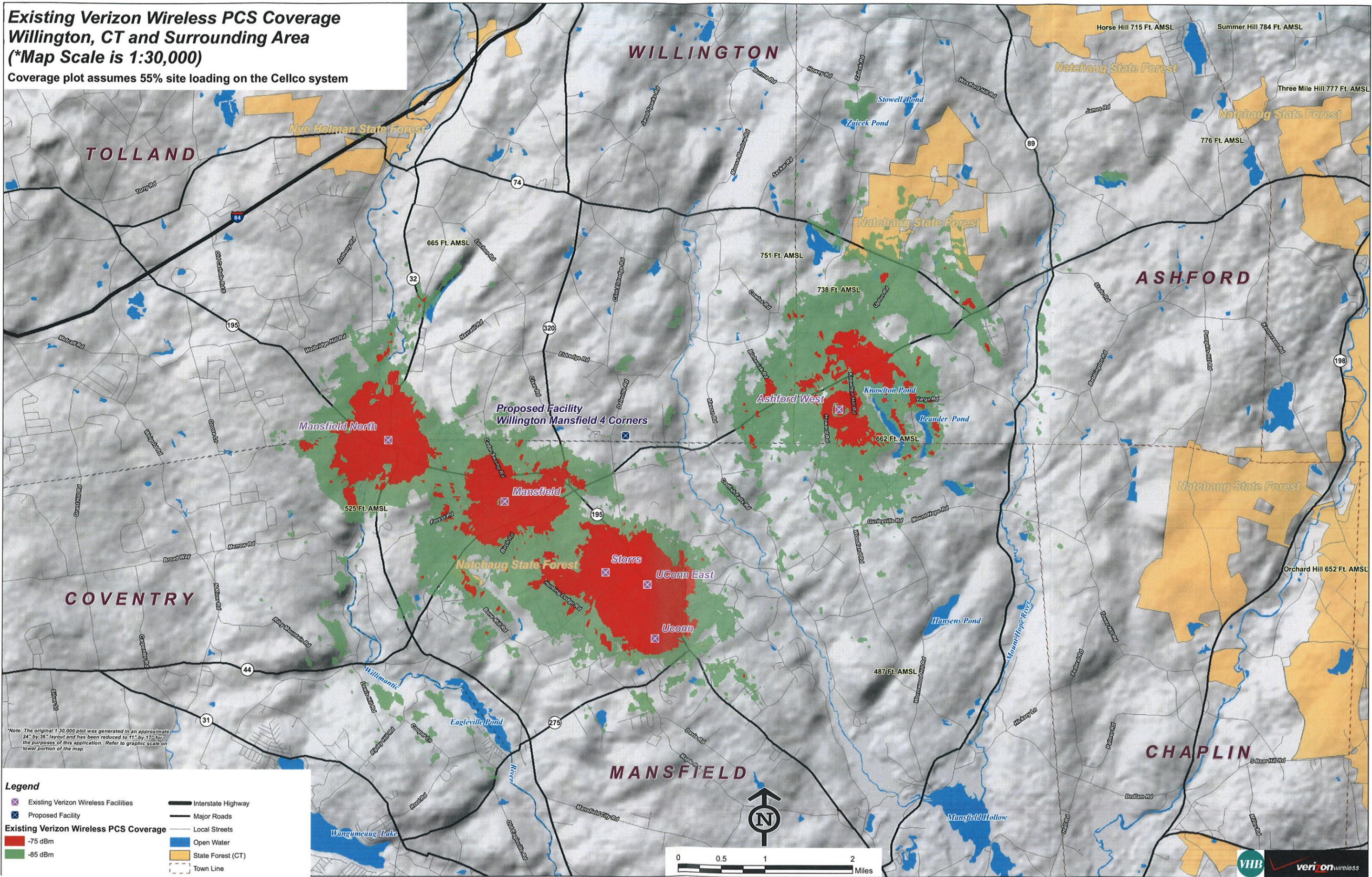
Legend

- Existing Verizon Wireless Facilities
- Proposed Facility
- 75 dBm
- 85 dBm
- Interstate Highway
- Major Roads
- Local Streets
- Open Water
- State Forest (CT)
- Town Line



**Existing Verizon Wireless PCS Coverage
Willington, CT and Surrounding Area
(*Map Scale is 1:30,000)**

Coverage plot assumes 55% site loading on the Cellco system



*Note: The original 1:30,000 plot was generated in an approximate 24" by 36" layout and has been reduced to 11" by 17" for the purposes of this application. Refer to graphic scale on lower portion of the map.

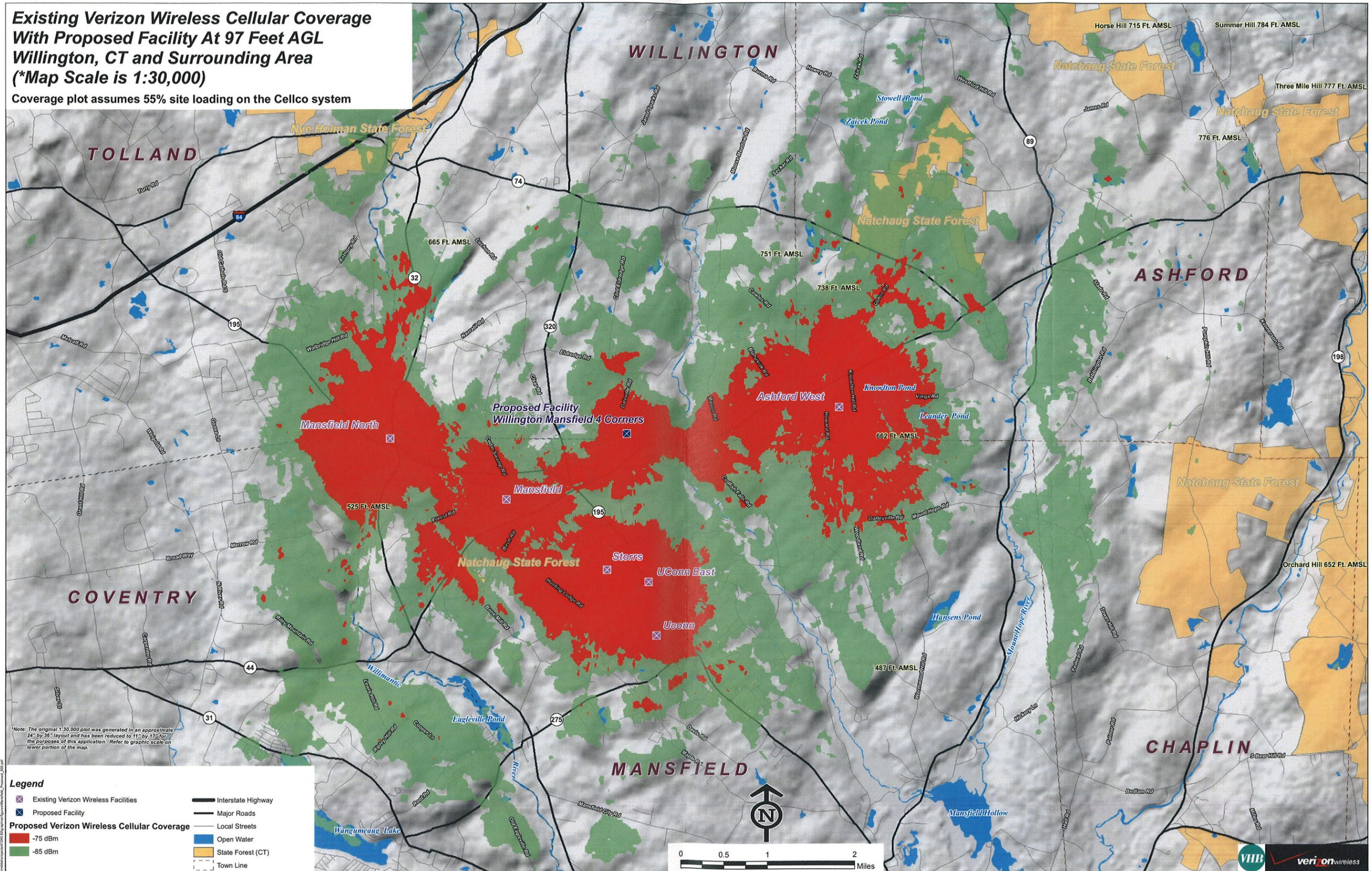
Legend

- ✕ Existing Verizon Wireless Facilities
- ✕ Proposed Facility
- Existing Verizon Wireless PCS Coverage
 - -75 dBm
 - -85 dBm
- Interstate Highway
- Major Roads
- Local Streets
- Open Water
- State Forest (CT)
- - - Town Line



**Existing Verizon Wireless Cellular Coverage
With Proposed Facility At 97 Feet AGL
Wilmington, CT and Surrounding Area
(*Map Scale is 1:30,000)**

Coverage plot assumes 55% site loading on the Cellco system



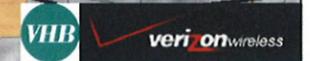
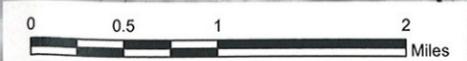
Note: The original 1:30,000 plot was generated in an approximate 24" by 36" layout and has been reduced to 11" by 17" for the purposes of this application. Refer to graphic scale on lower portion of the map.

Legend

- ✕ Existing Verizon Wireless Facilities
- ✕ Proposed Facility
- Interstate Highway
- Major Roads
- Local Streets
- Open Water
- State Forest (CT)
- Town Line

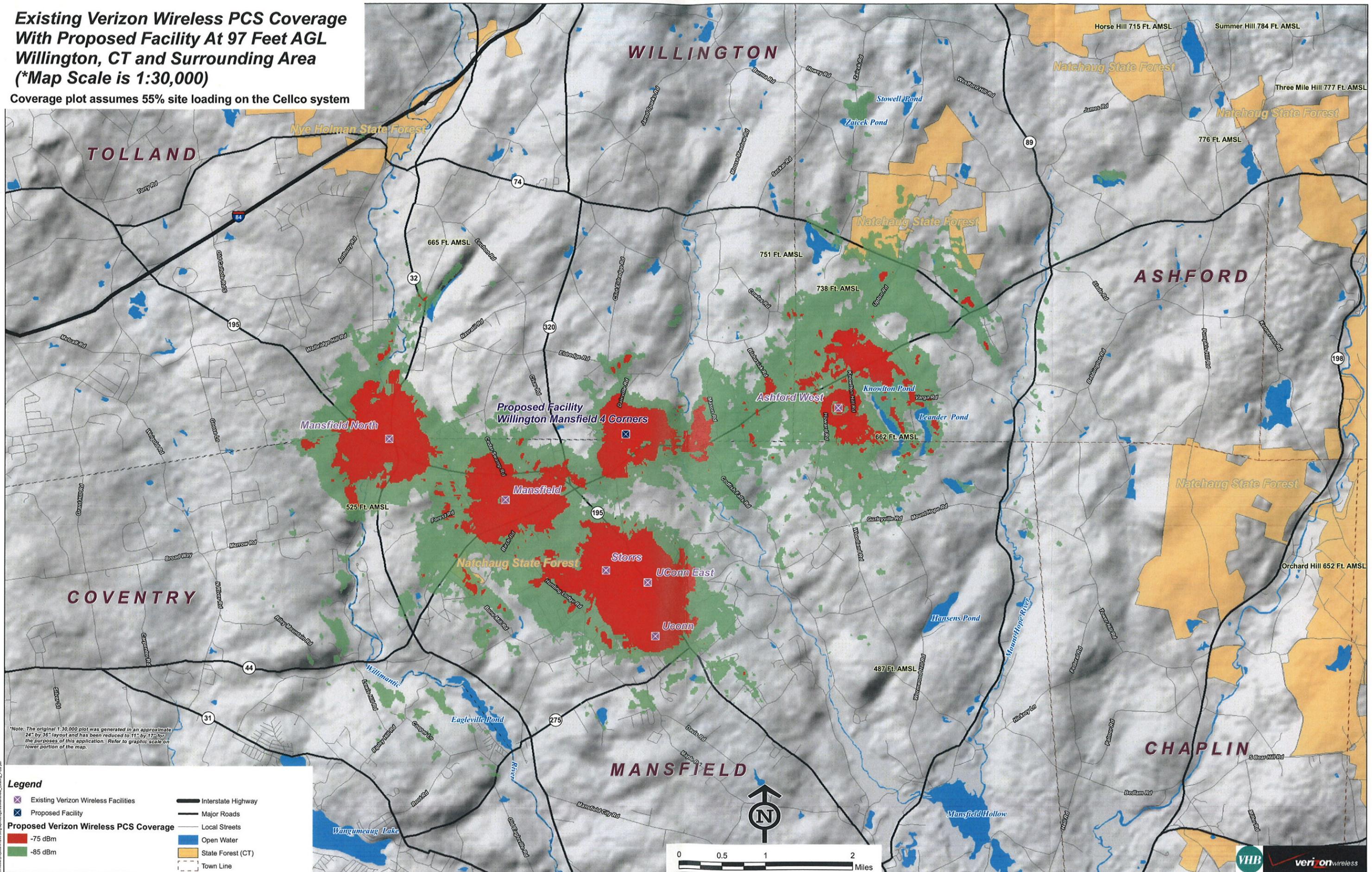
Proposed Verizon Wireless Cellular Coverage

- -75 dBm
- -85 dBm



**Existing Verizon Wireless PCS Coverage
With Proposed Facility At 97 Feet AGL
Willington, CT and Surrounding Area
(*Map Scale is 1:30,000)**

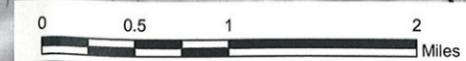
Coverage plot assumes 55% site loading on the Cellco system



*Note: The original 1:30,000 plot was generated in an approximate 24" by 36" layout and has been reduced to 11" by 17" for the purposes of this application. Refer to graphic scale on lower portion of the map.

Legend

Existing Verizon Wireless Facilities	Interstate Highway
Proposed Facility	Major Roads
-75 dBm	Local Streets
-85 dBm	Open Water
	State Forest (CT)
	Town Line



Vertically Polarized, Log Periodic 63° / 14.5 dBd

LPA-80063/6CF

When ordering replace "___" with connector type.

Mechanical specifications

Length	1800 mm	70.9 in
Width	380 mm	15.0 in
Depth	332 mm	13.1 in
Depth with z-bracket	372 mm	14.6 in
4) Weight	12.3 kg	27.0 lbs
Wind Area		
Fore/Aft	0.68 m ²	7.4 ft ²
Side	0.60 m ²	6.5 ft ²
Rated Wind Velocity (Safety factor 2.0)	>235 km/hr >146 mph	
Wind Load @ 100 mph (161 km/hr)		
Fore/Aft	993 N	223.3 lbs
Side	872 N	196.1 lbs

Antenna consisting of aluminum alloy with brass feedlines covered by a UV safe fiberglass radome.

Mounting and Downtilting

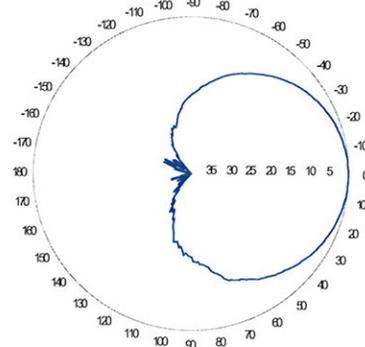
Mounting brackets attach to a pipe diameter of Ø50-102 mm (2.0-4.0 in). If the lock-down brace is used, the maximum diameter is Ø88.9 mm (3.5 in)

Mounting Bracket & Downtilt Bracket Kit #21699999

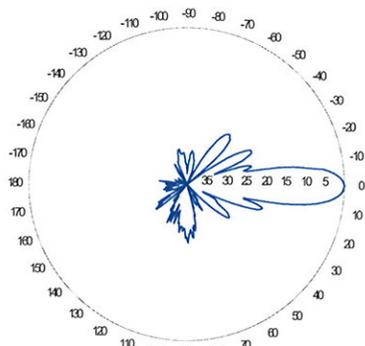
Electrical specifications

Frequency Range	806-960 MHz
Impedance	50Ω
3) Connector(s)	NE or E-DIN 1 port / center
1) VSWR	≤ 1.4:1
Polarization	Vertical
1) Gain	14.5 dBd
2) Power Rating	500 W
1) Half Power Angle	
H-Plane	63°
E-Plane	10°
1) Electrical Downtilt	0°
1) Null Fill	10%
Lightning Protection	Direct Ground

Radiation pattern¹⁾



Horizontal

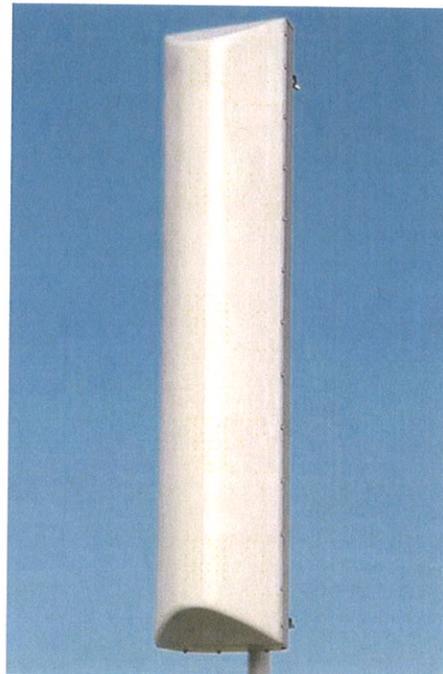


Vertical

Featuring upper side lobe suppression.

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.

Mounting on a metal pole will typically improve the Front-to-Back ratio.



Amphenol Antel's Exclusive 3T (True Transmission Line Technology) Antenna Design:

- True log-periodic design allows for superior front-to-side characteristics to minimize sector overlap.
- Unique feedline design eliminates the need for conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

This Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

Antenna available with center-fed connector only.

CF Denotes a Center-Fed Connector.

806-960 MHz

- 1) Typical values.
- 2) Power rating limited by connector only.
- 3) NE indicates an elongated N connector. E-DIN indicates an elongated DIN connector.
- 4) The antenna weight listed above does not include the bracket weight.

Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

Amphenol Antel, Inc. 1300 Capital Drive Rockford, Illinois 61109 USA Tel. (815) 399-0001
Toll-Free (888) 417-9562 Fax. (815) 399-0156 antel@antelinc.com www.antelinc.com

Amphenol Antel, Inc.
The Antenna Technology Company

Revision Date: 7/5/07

Vertically Polarized, Log Periodic 63° / 18.5 dBi

LPA-185063/12CF __ 2°

When ordering replace " __ " with connector type.

Mechanical specifications

Length	1806 mm	71.1 in
Width	167 mm	6.6 in
Depth	148 mm	5.8 in
Depth with t-bracket	176 mm	6.9 in
4) Weight	6.1 kg	13.5 lbs
Wind Area		
Fore/Aft	0.30 m ²	3.3 ft ²
Side	0.27 m ²	2.9 ft ²
Rated Wind Velocity (Safety factor 2.0)		
	>224 km/hr	>139 mph
Wind Load @ 100 mph (161 km/hr)		
Fore/Aft	479 N	107.6 lbs
Side	434 N	97.6 lbs

Antenna consisting of aluminum alloy with brass feedlines covered by a UV safe fiberglass radome.

Mounting and Downtilting

Mounting brackets attach to a pipe diameter of Ø50-102 mm (2.0-4.0 in).

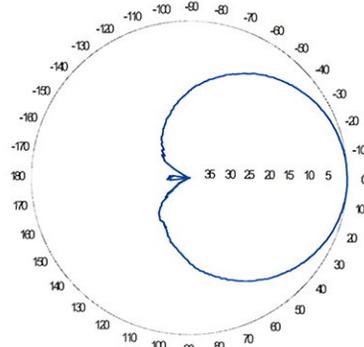
Mounting bracket kit #26799997
Downtilt bracket kit #26799999

The downtilt bracket kit includes the mounting bracket kit.

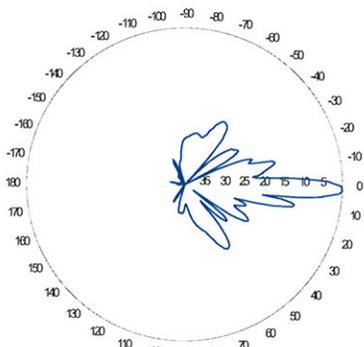
Electrical specifications

Frequency Range	1850-1990 MHz
Impedance	50Ω
3) Connector(s)	NE or E-DIN 1 port / center
1) VSWR	≤ 1.4:1
Polarization	Vertical
1) Gain	18.5 dBi
2) Power Rating	250 W
1) Half Power Angle	
H-Plane	63°
E-Plane	5°
1) Electrical Downtilt	2°
1) Null Fill	10%
Lightning Protection	Direct Ground

Radiation pattern¹⁾



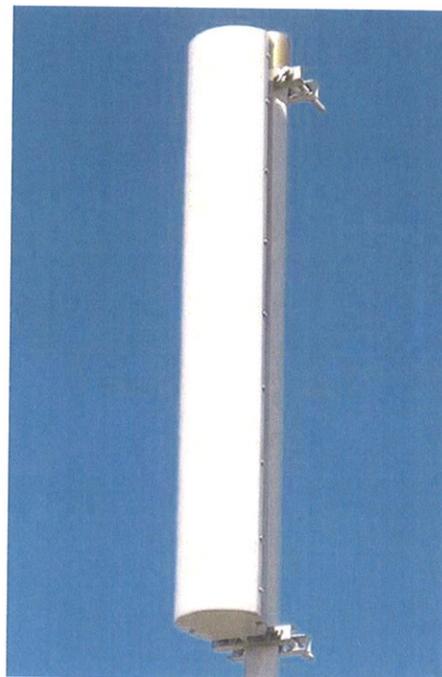
Horizontal



Vertical

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.

Mounting on a metal pole will typically improve the Front-to-Back ratio.



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- Air as insulation for virtually no internal signal loss.

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Antenna available with center-fed connector only.

- 1) Typical values.
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Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

CF Denotes a Center-Fed Connector.

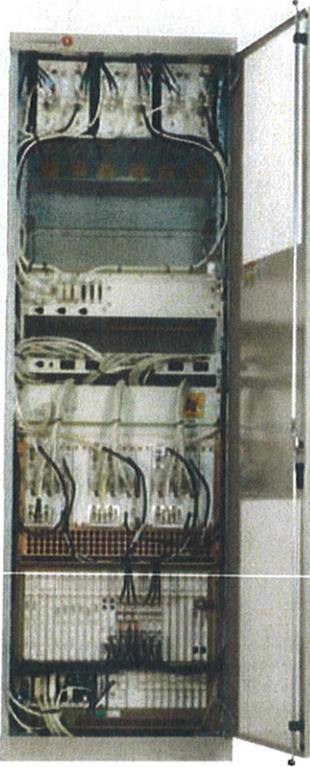
1850-1990 MHz



Revision Date: 712/07

Lucent CDMA Modular Cell 4.0B Indoor

For CDMA Networks



Lucent CDMA Modular Cell 4.0B is a high capacity base station equipped with the state-of-the-art technologies developed by Bell Labs. The product brings you outstanding carrier density and immediate OPEX savings. This indoor product can support up to 8 carriers/3 sectors per frame. It is twice the density of Modular Cell 4.0 (indoor). Modular Cell 4.0B offers full spectrum coverage in a single frame, dramatically simplifying growth patterns. As the leader in spread spectrum technology, Lucent Technologies continues to introduce innovations to the market: Multi-Carrier Radio (15MHz), Block Filters/Wideband Filters, and 40W Power Amplifier Modules are the latest assets integrated in the base station.

Features

The Modcell 4.0B indoor version offers a small footprint with exceptional carrier density in a standard ETSI cabinet.

- Indoor Single Frame Configuration
- 1-8 carriers per frame at 3 sectors (will support up to 11 carriers with Auxiliary Amplifier Frame)
- Dual Band: one cell to the ECP & mobile
- Close Loop Gain Control
- Timing and Controller Redundancy
- Integrated Power option
- Support CDMA2000™1X, and EV-DO Rev.0, with future support to EV-DO Rev. A
- IP Backhaul and Ethernet Backhaul capable
- 6-Sector option ready
- Intelligent Antenna option ready

Benefits

- Optimized for highest carrier density, smooth growth in one frame
- Conserves indoor footprint, reducing hardware and floor space requirements
- Minimizes configuration complexity
- Software-Only Carrier Add at certain carrier counts
- Flexible channel growth planning
- Designed to use existing power supply
- Grow CDMA carriers on only 2 antennas/sector
- Multi-Carrier Radio (15MHz), Block Filters/Wideband Filters, and 40W Power Amplifier Modules



Technical Specifications

Description	Specification
1. Configurations	
a. Sectors	3, 4 and 6
b. Carriers	1–8 per frame at 3 sectors (up to 11 with Auxiliary Amplifier Frame)
2. CDMA Channel Card Capacity	12 slots; CMU IVB capable
3. T1, E1 Facilities	Maximum of 20 per cabinet when equipped with URC-II's
4. User Alarms	7 Power Alarms, 25 User Alarms
5. GPS Antenna	Yes
6. Air Interface Standards	T1A/E1A 95-A plus TSB-74; T1A/E1A 95-B for 850 MHz; CDMA 2000
7. Frequency Bands	850MHz/1900 MHz; 300 to 2100 MHz capable
8. Vocoder	8 Kbps; 8 Kbps EVRC; 13 Kbps; SMV-ready
9. Environmental Cabinet Housing	Standard ETSI cabinet; UL50 compliant; zero rear clearance
10. Cabinet Access	Front Access
11. Operating Temperature Range	Range: -5 to +40°C (continuous)
12. Dimensions	600 mm W x 600 mm D x 1880 mm H (23.6 x 23.6 x 74) inches
13. Estimated Installed Weight	365 kg (785 lbs.) DC [8 carriers in one cabinet]
14. Power Options	Integrated Power, AC 120/240 Volt Input, -48V or +24 V DC Conversion Non-integrated Power requires either + 24 VDC Input or - 48 VDC Input
15. Power Consumption	
a. 3 Carrier/3 Sectors	2167 W
b. 6 Carrier/3 Sectors	5449 W
c. 11 Carrier/3 Sectors	10026 W
16. RF Power (at J4)	25 W per carrier (850) FCC Rated short-term average 20 W per carrier (850) FCC Rated long-term average 20 W per carrier (1900) FCC Rated short-term average 16 W per carrier (1900) FCC Rated long-term average
17. Minimal Antenna Configuration	2 antennas/sector
18. Filter	Block and Wide Band Dual Duplex
19. Growth Frame	PCS AUX Frame, Dual Band Growth Frame
20. Operational Accessories	Integrated Power
21. Channel Elements	Channel pooling across sectors or carriers

To learn more about our comprehensive portfolio, please contact your Lucent Technologies Sales Representative or visit our web site at <http://www.lucent.com>.

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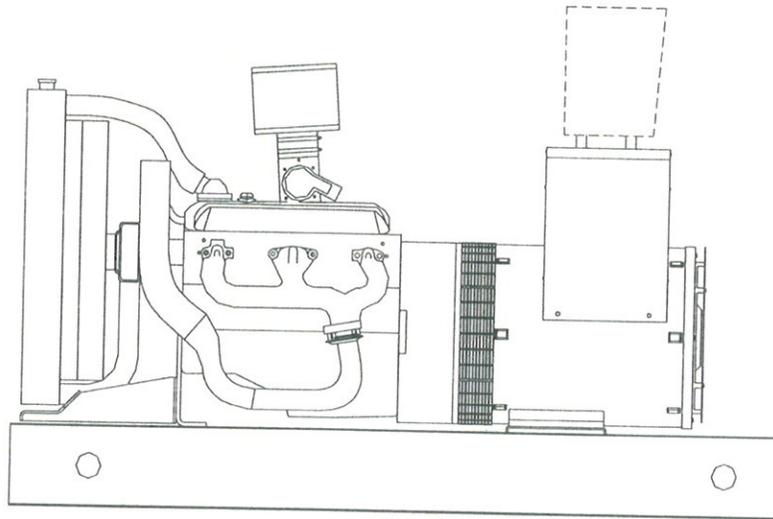
MOB-Mod4B-i 0106



60 kW @ 60 Hz.
 Stand-By Power

60F*G4

45 kW @ 60 Hz.
 Prime Power



- ▶ Katolight's commitment to quality has been an industry standard since 1952
- ▶ Katolight specializes in custom designing any application to meet the most difficult specifications
- ▶ Each and every unit is factory tested. This can eliminate costly startup and installation delays
- ▶ Katolight supplies a broad range of accessories to match any requirement worldwide
- ▶ Katolight generator sets come standard with a 2 year, 1500 hour limited warranty
- ▶ Optional warranty periods are also available, contact factory for details
- ▶ This model accepts 100% of nameplate rating, per NFPA 110

Model #	Volts	Hz	Phase	Power Factor	Natural Gas Standby Ratings		Natural Gas Prime Ratings		LP Gas Standby Ratings		LP Gas Prime Ratings		Connection
					Amps	kW/kVA	Amps	kW/kVA	Amps	kW/kVA	Amps	kW/kVA	
60FRG4	277/480	60	3	0.8	90	60/75	68	45/56.25	90	60/75	68	45/56.25	12 LEAD HI WYE
60FPG4	120/208	60	3	0.8	208	60/75	156	45/56.25	208	60/75	156	45/56.25	12 LEAD LOW WYE
60FJG4	120/240	60	3	0.8	180	60/75	135	45/56.25	180	60/75	135	45/56.25	12 LEAD HI DELTA
60FNG4	347/600	60	3	0.8	72	60/75	54	45/56.25	72	60/75	54	45/56.25	4 LEAD WYE
60FGG4	120/240	60	1	1.0	250	60/60	188	45/45	250	60/60	188	45/45	12 LEAD ZIG-ZAG
* 60FDG4	120/240	60	1	1.0	250	60/60	188	45/45	250	60/60	188	45/45	4 LEAD

*

STANDARD EQUIPMENT

CONTROL PANEL

- Model #45 control panel
- AC voltmeter, 3 1/2", 2% accuracy
- AC ammeter, 3 1/2", 2% accuracy
- Combination VM/AM selector switch, 4 position
- Frequency meter, 3 1/2", 55-65 Hz.
- Vibration shock mounts (4)
- Engine control - KASSEC-12 VDC, with cyclic cranking timer
- 4 engine shutdowns with separate failure lights
 - * High water temperature
 - * Low oil pressure
 - * Engine overspeed
 - * Engine overcrank
- Engine gauges - 2"
 - * Battery voltmeter
 - * Water temperature
 - * Oil pressure
 - * Running time meter - 5 digits
- 3 position mode switch (auto-off-manual)

ENGINE

- Air cleaner
- Oil pump
- Full flow oil filter
- Jacket water pump
- Thermostat
- Exhaust manifold - dry
- Blower fan & fan drive
- Radiator - unit mounted
- Vibration isolators - pad type
- Electric starting motor - 12V

ENGINE (cont.)

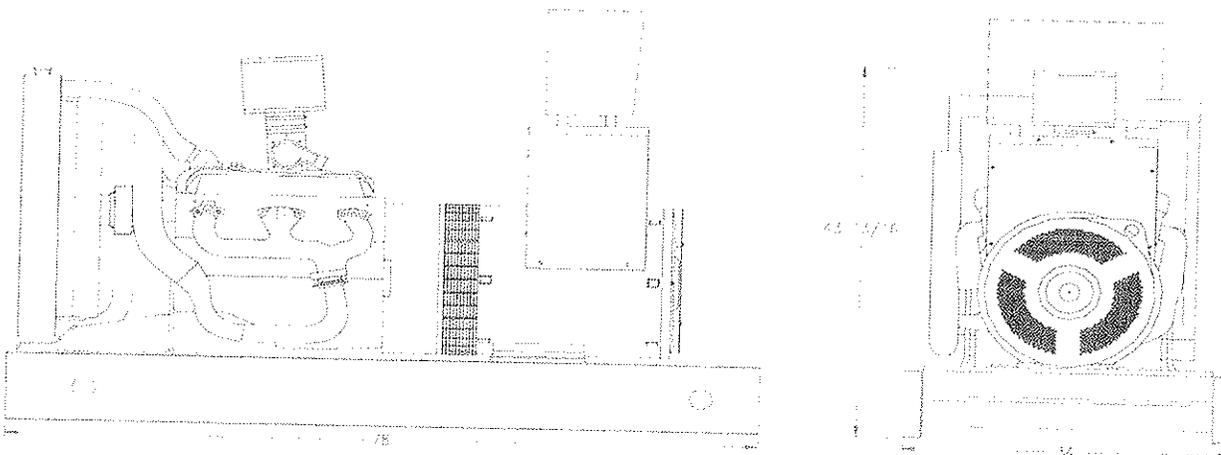
- Governor - Electric Isochronous
- Base - formed steel
- Flywheel & Enclosure
- Charging alternator - 12V
- Battery box & cables
- Flexible fuel & exhaust connectors

GENERATOR

- A.C. Generator
- Brushless design
- Single bearing
- Direct connection with flex plate
- Class H insulation
- All models manufactured to meet NEMA MG1- 22.4 and CSA standards
- Telephone influence factor is well within NEMA standards
- Wave form deviation factor is no more than 5%, well within NEMA standards
- Harmonic content is 3.0% maximum
- Permanently lubricated ball type bearings
- Generator is self-ventilated
- Drip-proof construction

VOLTAGE REGULATOR

- Voltage adjust rheostat
- EMI filter (Internal Electromagnetic Interference)
- Underspeed protection
- Overexcitation protection
- Fully encapsulated
- Regulation - 1%



Drawing above for illustration purposes only, based on standard open power 480 volt generator.
Lengths may vary with other voltages.

ENGINE TECHNICAL DATA

Model:	60 Hz	
Type:	5.7L	
Aspiration:	4-Cycle	
Cylinder Arrangement: (Number, inline, V, etc.)	Naturally	
Displacement - Cu. In. (lit)	8-V	
Bore - in. (cm) x stroke - in. (cm)	350 (5.7)	
Compression Ratio:	4.0 (10.2) x 3.5 (8.8)	
Rated RPM:	9.1:1	
Rating:	1800	
BMEP: psi (kPa)	Standby	Prime
Maximum Power at Rated RPM - bhp (kW)	110 (759)	107 (737)
	88 (66)	85 (64)

INSTALLATION DATA *

Exhaust System

Gas Temp. (Stack): °F (°C)	1,403 (762)	1,306 (708)
Gas Volume at Stack Temp.: CFM (m ³ /min)	571 (16.2)	532 (15.1)
Maximum Allowable Back Pressure:		
in. H ₂ O (kPa)	40.7 (10.1)	40.7 (10.1)

Cooling System

Ambient Capacity of Radiator: °F (°C)	122 (50)	122 (50)
Maximum Allowable Static Pressure on Rad. Exhaust: in. H ₂ O (kPa)	1.5 (0.37)	1.5 (0.37)
Water Pump Capacity: gpm (lit/min)	31 (117)	31 (117)
Heat Rejection to Coolant: BTUM (kW)	2,999 (52.7)	2,793 (49.1)
Heat Radiated to Ambient: BTUM (kW)	2,429 (42.7)	2,328 (40.9)

Air Requirements

Aspirating: CFM (m ³ /min)	180 (5.1)	172 (4.9)
Air Flow Required for Rad. Cooled Unit: CFM (m ³ /min)	7,115 (201)	7,059 (200)
Air Flow Required for Heat Exchanger/Remote Rad. based on 20°F Rise: CFM (m ³ /min)	6,747 (191)	6,467 (183)

Fuel Consumption: (NG-1000 BTU/ft³ / LP-2500 BTU/ft³)

	NG	LPG	NG	LPG
At 100% of Power Rating: ft ³ /hr (m ³ /hr)	748 (21.2)	299 (8.5)	726 (20.6)	291 (8.2)
At 75% of Power Rating: ft ³ /hr (m ³ /hr)	639 (18.1)	256 (7.2)	615 (17.4)	246 (7.0)
At 50% of Power Rating: ft ³ /hr (m ³ /hr)	510 (14.4)	204 (5.8)	486 (13.8)	194 (5.5)

Sound Level Data ■

Sound level at:	Full Load	No Load	Full Load	No Load
23 ft (7m) opn w/ critical grade muffler (dBA)	79	75	78	75
23 ft (7m) Sound Attenuated Enclosure (dBA)	73	68	72	68

Dimensions & Weight

Length: in. (cm)	78 (198)
Width: in. (cm)	34 (86)
Height: in. (cm)	43.8 (111)
Weight (dry): lb. (kg)	1,366 (620)

Liquid Capacity

Total oil system: gal (lit)	1.6 (6.1)
Engine jacket water capacity: gal (lit)	2.0 (7.6)
System coolant capacity: gal (lit)	5.3 (20.1)

Fuel Inlet

Fuel connection size:	¾" NPT
Fuel supply pressure in H ₂ O (mm H ₂ O)	7-11 (178-279)

Electrical System

Electric volts DC	12
Cold cranking Amps under 0°F (-17.8°C)	600

Remote Radiator System

Connection sizes:	
Jacket water radiator inlet in. (cm)	2 (5.1)
Jacket water radiator outlet in. (cm)	2 (5.1)
Static head allowable above engine ft H ₂ O (kPa)	17 (50.8)
Total system friction pressure max. allowable psi (kPa)	C/F

Heat Exchanger System

Connection sizes:	
Heat ex. inlet in. (cm)	1.5 (3.8)
Heat ex. outlet in. (cm)	1.5 (3.8)
Water consumption: @ 60°F (16°C) gpm (lit/min)	7 (26.5)

*Installation data based on 480 volt, 60 HZ, application and open power unit.

■ For sound level readings with other enclosures, please contact factory.

Sound level data acquired per Test Method SAE J1074. Installation factors and site conditions can affect sound levels.

Deration Factor: Altitude: Derate: 3% per 1,000 ft (305 m) above 328 ft (100 m). Temperature: Derate: 1% per 10°F (5.5°C) above 77°F (25°C)

60F*G4 NG Gen-Set**Control Panel**

** NOTE: #45 series control panel is standard on all units. see page 2 of spec sheet for standard features.

- o Model #45 Series Control Panel Options
 - o Emergency stop button
 - o Alarm buzzer with silencing switch
 - o Auxiliary relay for dry contacts (2 max.)
 - o A separate low water level light is optional
 - o Hooded panel lights (2) and on/off switch
 - o NEMA 12 Panel Face
 - o Additional LED lights (4 max.) One or two of the following conditions may be indicated:
 - unit not in auto
 - low fuel level
 - low water level
 - low water temp.
 - EPS supplying load
 - pre-alarm oil
 - pre-alarm temp.
 - charger malfunction
- o Model #50 Series Control Panel
STANDARD FEATURES: same as #45 series control panel except for these added features:
 - o Hooded panel lights (2) and on/off switch
 - o 4 Engine shutdowns
 - o 12 light engine control package meeting NFPA-110 requirement
 - o Repetitive alarm buzzer and silencing switch
 - o Light and alarm press to test#50 SERIES OPTIONS
 - o Emergency stop button
 - o Additional space for one 3 1/2" meter
 - o Auxiliary relay for dry contacts (2 max.)
 - o A separate low water level light is optional
 - o Additional LED lights (4 max.) One to four additional conditions may be indicated: customer to specify
 - o NEMA 12 Panel Face
- o Model #60 and #80 Series Custom Control Panels
It may be necessary to use a 60 or 80 series control panel on certain units where numerous options are required.
- o Microprocessor Control Panel – KDGC

GEN-SET OPTIONS**Cooling System**

- o Remote Radiator
- o High Ambient Radiator
- o Heat Exchanger Cooling
- o Radiator Duct Flange

DISTRIBUTED BY:

Fuel System

- o Fuel Strainer
- o Dual Fuel
 - o Manual Change-over
 - o Auto Change-over

Exhaust System

- o Residential Grade Muffler
- o Critical Grade Muffler
- o Hospital Grade Muffler
- o Rain Cap

Engine Electrical System

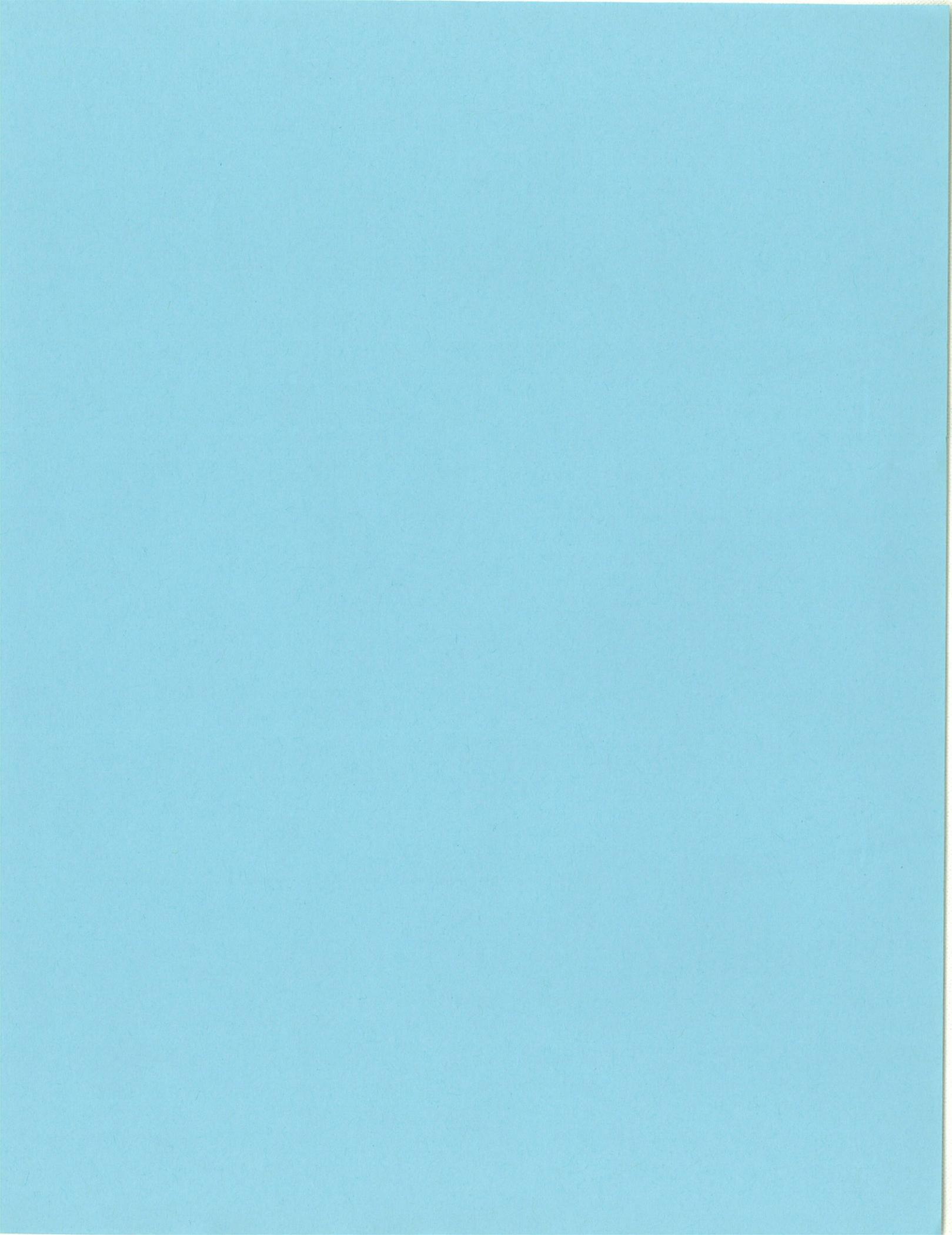
- o Battery
 - o Lead-Acid
 - o NiCad
- o Battery Warmer Plate
- o Battery Rack
- o Battery Charger
 - o Automatic
 - o Trickle
 - o Mounted & Wired

Generator

- o Main Line Circuit Breaker
 - o Shunt trip
 - o Auxiliary switch
- o PMG Excitation & DVR 2000 Regulator
- o Space Heaters 120/240 volt
- o Special Testing
- o Additional Temperature Rise Generators
Available (80°C, 105°C, & 130°C)

Additional Optional Equipment

- o Spring vibration isolators
- o Oil Drain Extension
- o Enclosures
 - o Sound Attenuated
 - o Weather Proof
 - o Aluminum
 - o Interior lights AC or DC
 - o Floor Plate
- o Jacket Water Heater
- o Crankcase Oil Heater
- o Remote Annunciator
- o 12 Light Annunciator
 - o Flush Mounted
 - o Surface Mounted
 - o 4 additional lights, if needed
- o Export Boxing
- o Warranties
 - o 2 Year
 - o 5 Year
- o Operating instructions under plexi-glass
- o Service indicator light
- o Wind rated enclosure



Site Search Summary
Willington

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

Site Search Process

To initiate its site selection process in an area where a coverage or capacity problem has been identified, Cellco first establishes a “site search ring” or “site search area.” In any search ring or search area, Cellco seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of the cell site, while at the same time maximizing the quality of service provided from a particular facility. These objectives are achieved by initially locating existing towers and other sufficiently tall structures within and near the site search area. If any such structures are found, they are evaluated to determine whether they are capable of supporting Cellco’s telecommunications equipment at a location and elevation that satisfies its technical requirements.

Cellco maintains six (6) existing communications facility located within approximately four (4) miles of the proposed Willington Facility. These facilities, however, cannot provide the coverage or capacity relief needed in the identified problem areas, along Route 44 and local roads in southerly portions of Willington and northern portions of Mansfield. (See Attachment 7).

Existing Cellco Facilities

	<u>OWNER/OPERATOR</u> <u>(CELLCO SITE NAME)</u>	<u>FACILITY</u> <u>TYPE</u>	<u>LOCATION</u>	<u>CELLCO</u> <u>ANTENNA</u> <u>HEIGHT</u>
1.	National Grid (Ashford West)	150’ Monopole	99 Knowlton Road Ashford, CT	127’
2.	AT&T (Mansfield)	120’ Monopole	497 Middle Turnpike Mansfield, CT	109’
3.	UCONN (Storrs)	327’ Guyed- Lattice	82 North Eagleville Road Storrs, CT	84’
4.	Storrs Congregational Church (UCONN East)	Church Steeple	2 North Eagleville Road Storrs, CT	85’

	<u>OWNER/OPERATOR</u> <u>(CELLCO SITE NAME)</u>	<u>FACILITY</u> <u>TYPE</u>	<u>LOCATION</u>	<u>CELLCO</u> <u>ANTENNA</u> <u>HEIGHT</u>
5.	UCONN (UCONN)	Roof-Top	855 Bolton Road Mansfield, CT	47'
6.	Town of Mansfield (Mansfield North)	170' Monopole	1725 Stafford Road Mansfield, CT	170'

If existing towers or structures are not available or technically feasible, other locations are investigated where the construction of a new tower is required to provide adequate elevation to satisfy Cellco's requirements. The list of available locations may be further reduced if, after preliminary negotiations, the property owners withdraw a site from further consideration. From among the remaining locations, the proposed sites are selected by eliminating those that have greater potential for adverse environmental effects and fewer benefits to the public (i.e., those requiring taller towers, possibly with lights; those with substantial adverse impacts on densely populated residential areas; and those with limited ability to share space with other public or private telecommunications entities). It should be noted that in any given site search, the weight afforded to factors considered in the selection process will vary depending upon the availability and nature of sites within the search area.

Identification of the Willington Search Area

The purpose of the proposed Willington Facility is to provide reliable cellular and PCS coverage to a significant coverage gap that have been identified along Route 44, as well as local roads in southern Willington and northern Mansfield. These coverage gaps were identified using best server propagation modeling tools. These tools are fine-tuned regularly through the use of base-line drive data.

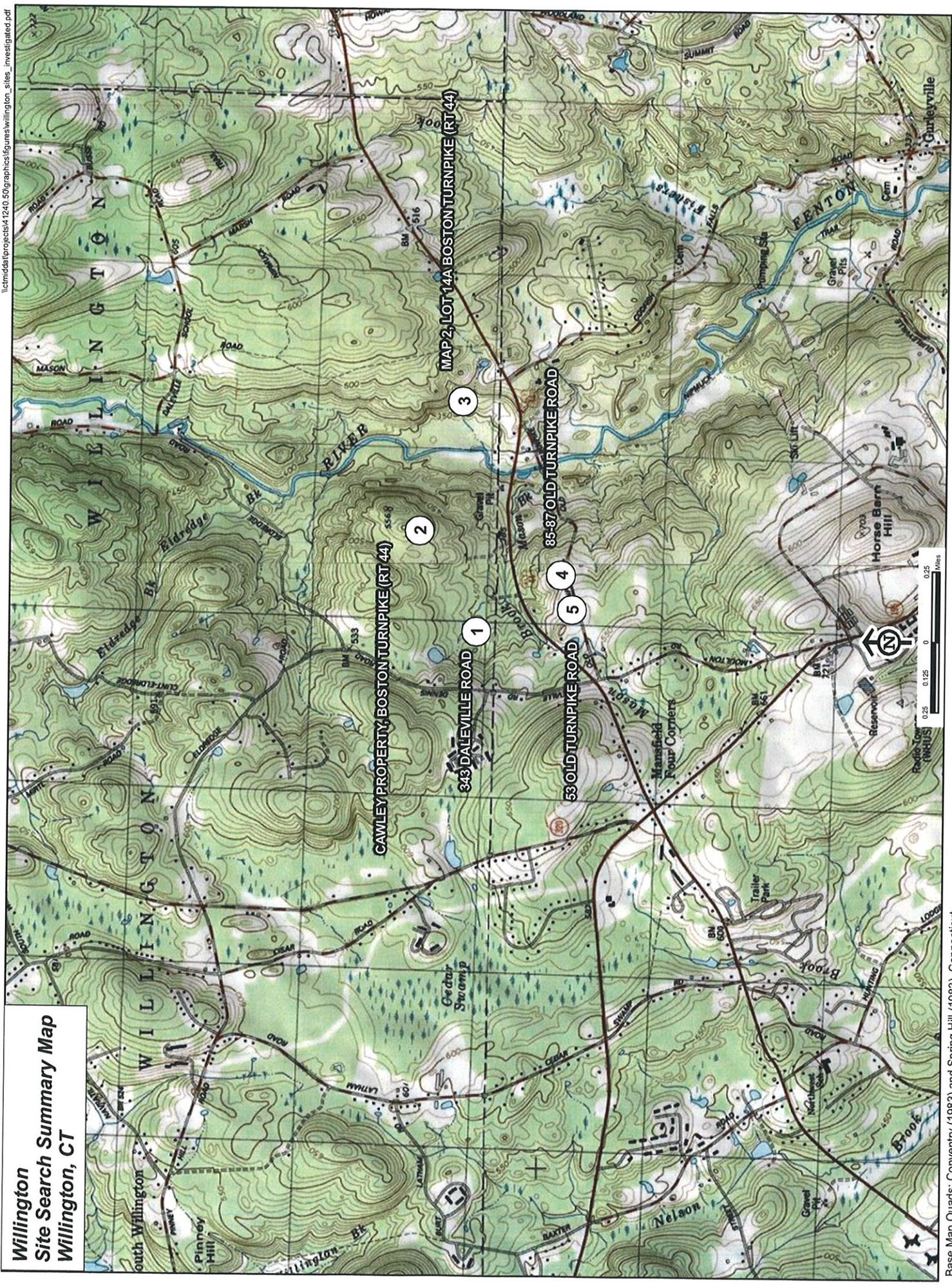
Cellco issued its Willington search area on July 16, 2006. (See attached Search Area Map). As a matter of practice, Cellco's initial site search effort focuses on municipal or other quasi-public properties that might be available and appropriate locations for a telecommunications facility. If no public properties are available, Cellco investigates private land within or near the designated search area.

Sites Investigated in the Willington Area

In addition to the existing communications facilities listed above, Cellco identified and investigated five (5) sites in the Willington/Mansfield area.

1. 343 Daleville Road, Willington – Cellco investigated and ultimately signed a lease for the use of a portion of this 22-acre parcel. The proposed site would maintain a ground elevation of approximately 496 feet AMSL. Cellco can satisfy its coverage objectives from this location with antennas located 97 feet above ground level.

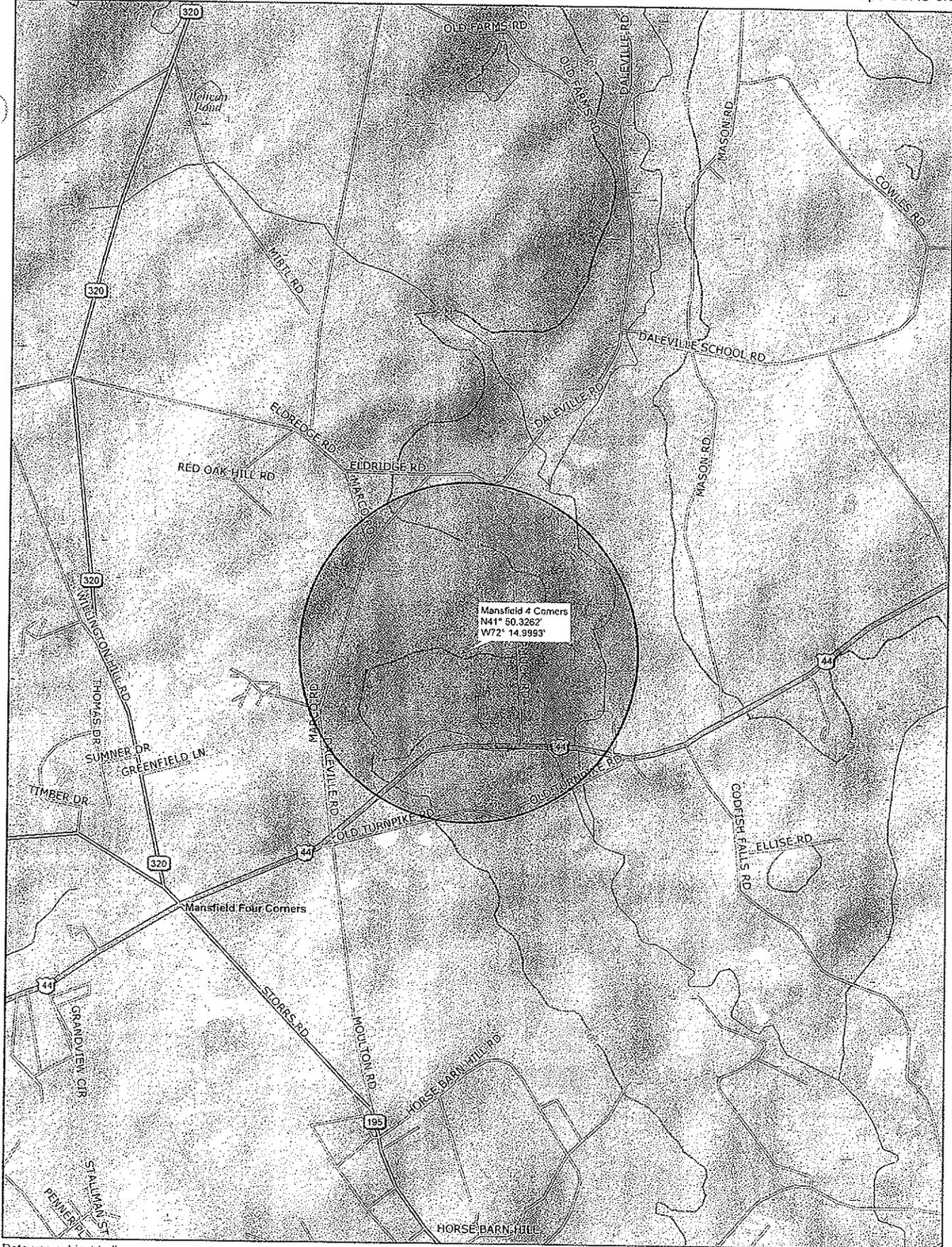
2. Boston Turnpike, Willington – Vacant Land. Cellco investigated five parcels owned by John and Louise Cawley along Route 44. The property owners have plans to develop these parcels and were not interested in leasing space to Cellco for a tower.
3. Boston Turnpike, Willington – Vacant Land (Map 2, Lot 14A). The landowner did not return telephone calls or respond to correspondence sent by Cellco’s real estate consultant.
4. 85-87 Old Turnpike Road, Mansfield – Vacant Land. The landowner did not return telephone calls or respond to correspondence sent by Cellco’s real estate consultant.
5. 53 Old Turnpike Road, Mansfield – Vacant Land. The landowner did not return telephone calls or respond to correspondence sent by Cellco’s real estate consultant.



**Willington
Site Search Summary Map
Willington, CT**

Base Map Quads: Conventry (1983) and Spring Hill (1983), Connecticut
Source: National Geographic Society USA Topographic 2D Maps

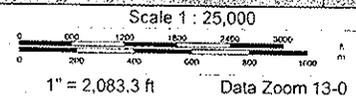
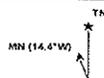


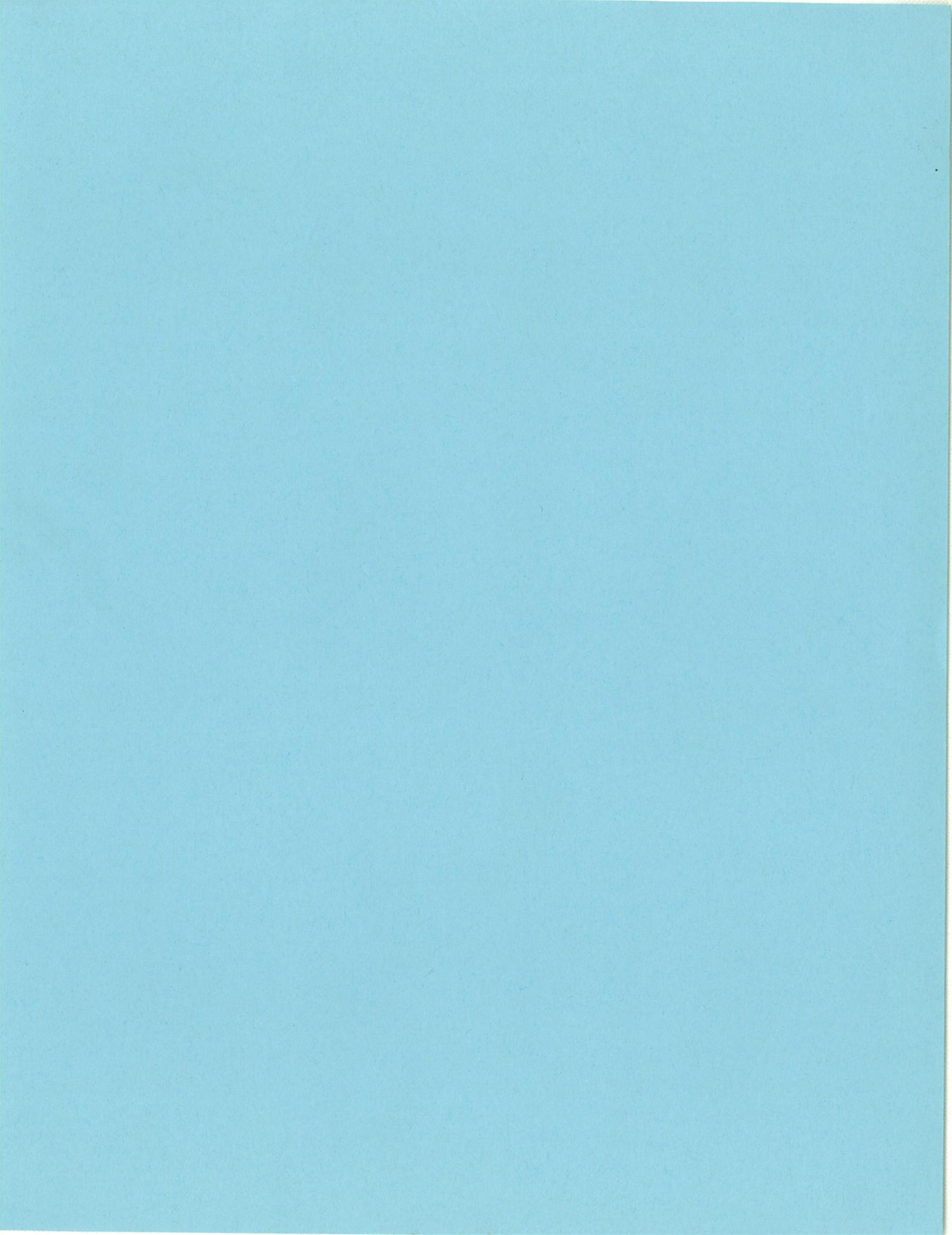


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*Proposed Wireless
Telecommunications Facility*

Willington
343 Daleville Road
Willington, Connecticut

Prepared for



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

June 2008

Visual Resource Evaluation

Cellco Partnership (dba Verizon Wireless) 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 343 Daleville Road in the Town of Willington, Connecticut (identified herein as the "host property"). This Visual Resource Evaluation was conducted to evaluate the visibility of the proposed Facility within a two-mile radius ("Study Area"). In addition to the Town of Willington, portions of the nearby towns of Mansfield and Ashford, Connecticut are also contained within 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 fence-enclosed compound. The proposed project area is located at approximately 496 feet Above Mean Sea Level (AMSL). Access to the Facility would be provided via a proposed gravel access drive that would initially follow an existing driveway located on the host property then extend to the project area in an easterly direction.

Site Description and Setting

Identified in the Town of Willington land records as Map 2/ Lot 5, the host property is currently occupied by a single family residential dwelling, a barn, small shed and several horse corrals. The proposed Facility is located on an undeveloped, portion of the host property, roughly 440 feet west of the existing residential structure. Attachment A includes a photograph of the proposed project area. Attachment A also contains a map that depicts the location of the proposed Facility and the limits of the Study Area. Land use within the general vicinity of the proposed Facility and host property consists of low-density residential development and undeveloped woodlands. Segments of Route 44, Route 195 and Route 320 traverse portions of the Study Area. In total, the Study Area features approximately 63 linear miles of roadways.

The topography within the Study Area is characterized by rolling hills with ground elevations ranging from approximately 290 feet AMSL to approximately 740 feet AMSL. The Study Area contains approximately 50 acres of surface water, mainly associated with the Fenton River which flows through the eastern third of the Study Area. The tree cover within the Study Area consists mainly of mixed deciduous hardwood species interspersed with stands of mature evergreen species. The tree canopy occupies approximately 6,488 acres of the 8,042-acre study area (81%). During the in-field activities associated with this analysis, an infrared laser range finder was used to accurately determine the average tree canopy height throughout the Study Area. Numerous trees were selected for measurement and the average tree canopy was determined to be 65 feet.



METHODOLOGY

In order to 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 which 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 United States Geological Survey (USGS) National Elevation Dataset (NED), a seamless, publicly available elevation dataset with an approximate 30-meter resolution. The forest layer was derived through on-screen digitizing in ArcView® GIS from 2006 digital orthophotos with a 1-foot pixel resolution.

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

Also included on the map is a data layer, obtained from the Connecticut State 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. This layer is useful in identifying potential visibility from any sensitive receptors that may be located within the Study Area. Lastly, based on both a review of published information and discussions with municipal officials in Willington and Mansfield, it was determined that there are several locally-designated scenic roadways contained within the Study Area and include Old Turnpike Road and Codfish Falls Road. These roadways are depicted on the viewshed map contained in Attachment B.

A preliminary viewshed map (using topography and a conservative tree canopy height of 50 feet) is generated for use during the in-field activity in order to confirm that no significant land use changes have occurred since the aerial photographs used in this analysis were produced and to verify the results of the model in comparison to the balloon float. Information obtained during the reconnaissance is then incorporated into the final visibility map.

Balloon Float and Study Area Reconnaissance

On April 21, 2008 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 verify where the balloon was, and was not, visible above and/or through the tree canopy. During the balloon float, the temperature was approximately 60 degrees Fahrenheit with calm wind conditions and mostly 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 a number of different vantage points to document the actual view towards the proposed Facility. Several photographs from locations where the balloon was not visible are also included. The locations of the photos are described below:

1. View from Daleville Road adjacent to house #331.
2. View from Daleville Road north of entrance to Willington Oaks Apartments.
3. View from Old Turnpike Road at Route 44.

4. View from Old Turnpike Road adjacent to house #54.
5. View from Codfish Falls Road south of Ellise Road.
6. View from Route 44.
7. View from Route 195.
8. View from Route 195 at Route 44.
9. View from Daleville Road adjacent to house #19.
10. View from Daleville Road at entrance to Willington Oaks Apartments.

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

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 the three 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 Facility would be visible above the tree canopy comprise approximately 7 acres, or less than one half of one percent of the 8,042-acre Study Area. As depicted on the viewshed map (provided in attachment B), the majority of the year-round visibility associated with the proposed Facility occurs over an open hilltop on the University of Connecticut Campus located approximately 1.45 miles to the southeast of the site. Limited and/or passing views of the proposed Facility are also anticipated along an approximate 0.08-mile segment of the Route 44 traffic corridor located roughly 0.75 mile to the southeast of the project area. Such views would be mostly obstructed by vegetation as one traverses this segment of Route 44. Other areas of potential year-round visibility include portions of the host property within the immediate vicinity of the proposed site. Overall, potential views of the proposed Facility would be confined to the areas described above by a combination of the topographic relief and the extent of vegetative

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

cover contained within the Study Area. VHB estimates that select portions of approximately five residential properties may have at least partial year-round views of the proposed Facility. Four of these residences are located along Daleville Road adjacent to the host property and one residence is located off Route 44.

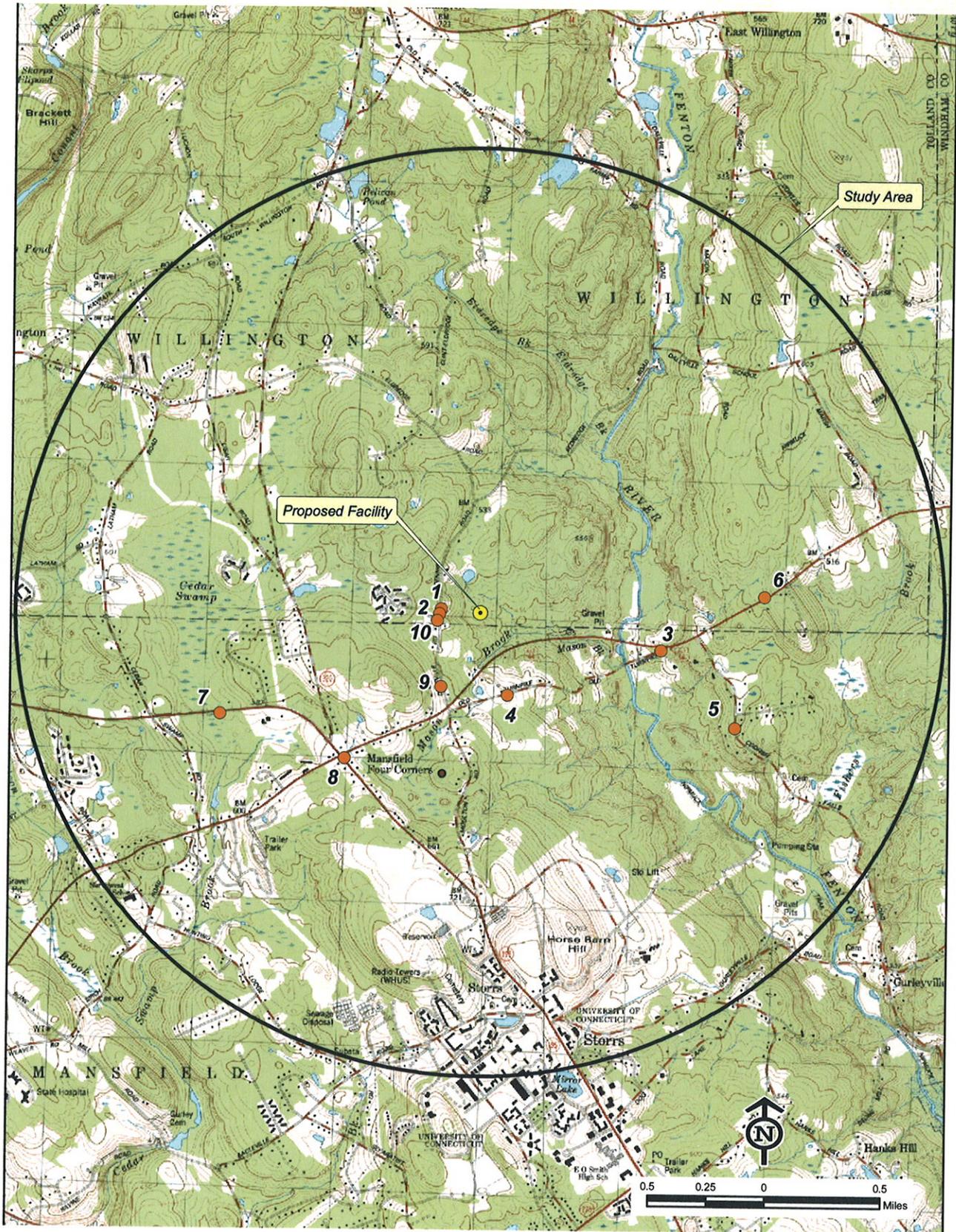
The viewshed map also depicts several additional areas where seasonal (i.e. during "leaf off" conditions) views are anticipated. These areas comprise approximately 10 acres and are mainly located within the immediate vicinity of the host property, extending westward to select portions of Daleville Road. VHB estimates that seasonal views of the proposed Facility could be achieved from portions of approximately two additional properties within the Study Area. Such views would mostly be screened by existing vegetation on the host property which includes a significant number of mature evergreen species.

Attachment A

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

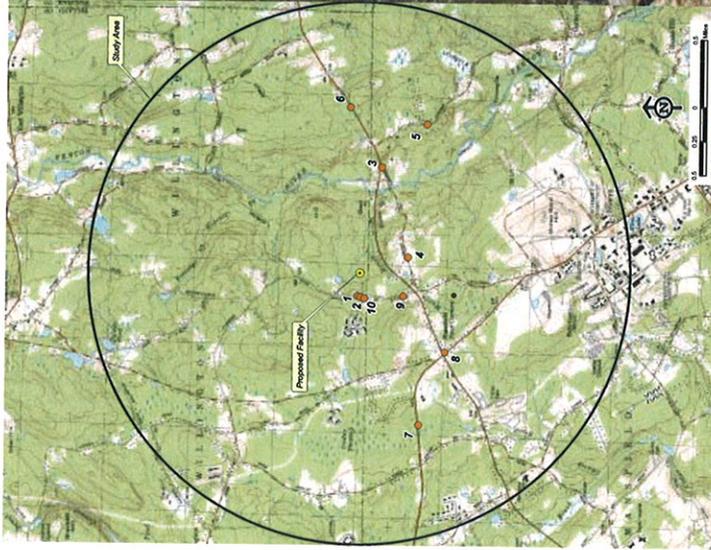
Photolog Documentation

Town of
Willington
Connecticut



Photographic Documentation

Town of
Willington
Connecticut



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole

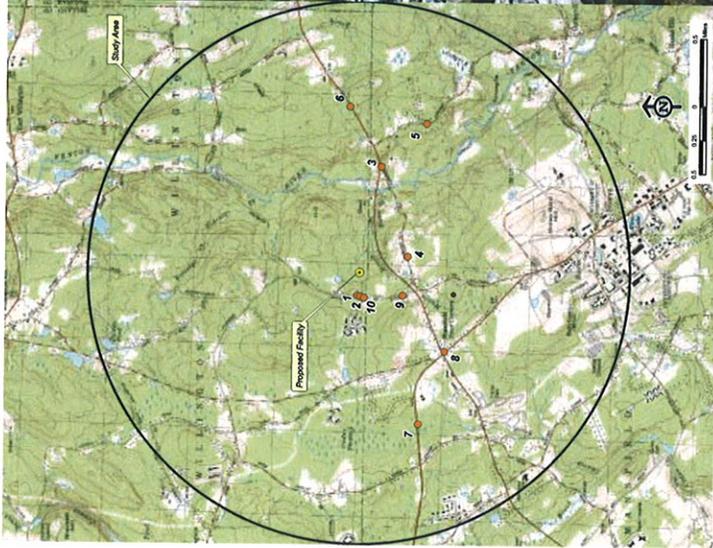


PROPOSED PROJECT AREA

Photographic Documentation and Simulation

View 1

Town of
Willington
Connecticut



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole

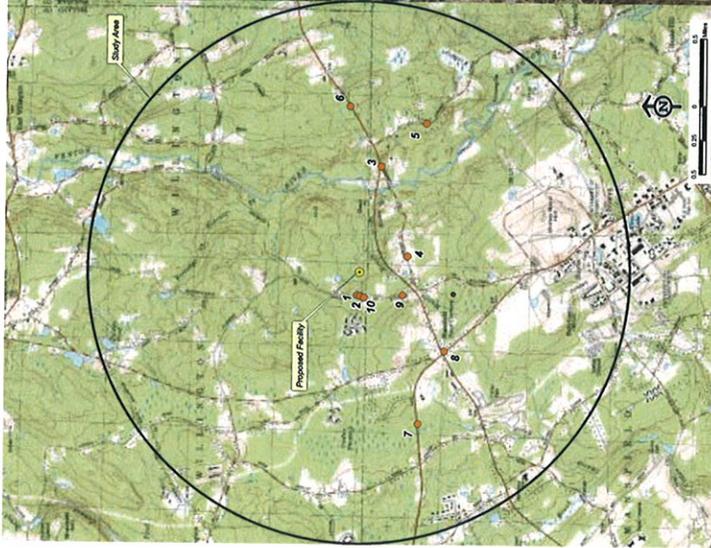


PHOTO TAKEN FROM DALEVILLE ROAD ADJACENT TO HOUSE #331, LOOKING SOUTHEAST
- BALLOON IS VISIBLE THROUGH TREES
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.15 MILE +/-

Photographic Documentation and Simulation

View 2

Town of
Willington
Connecticut



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole



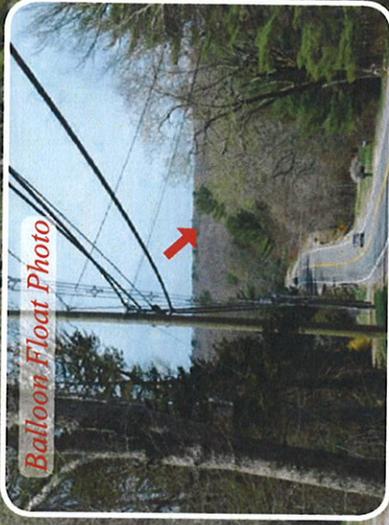
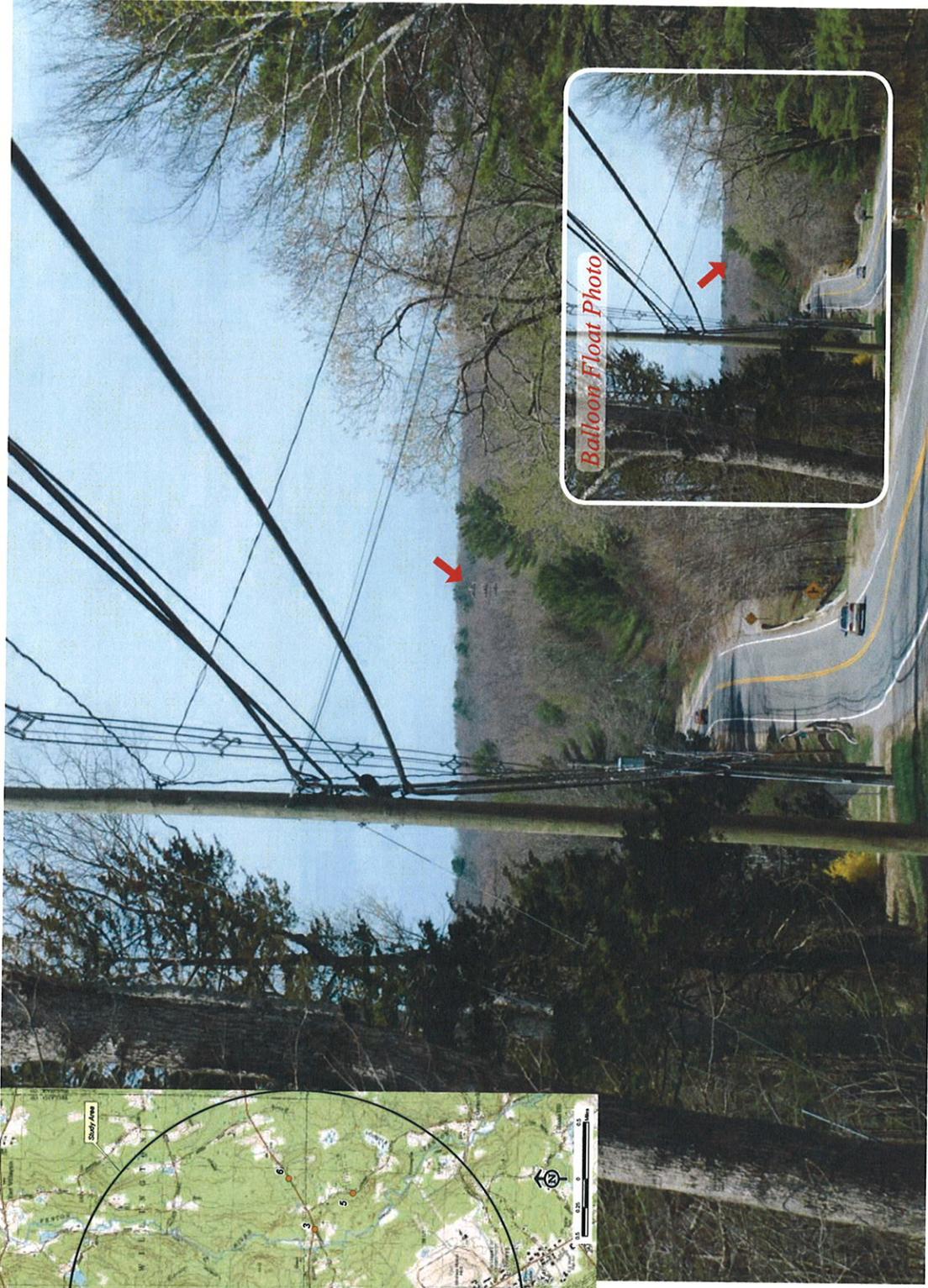
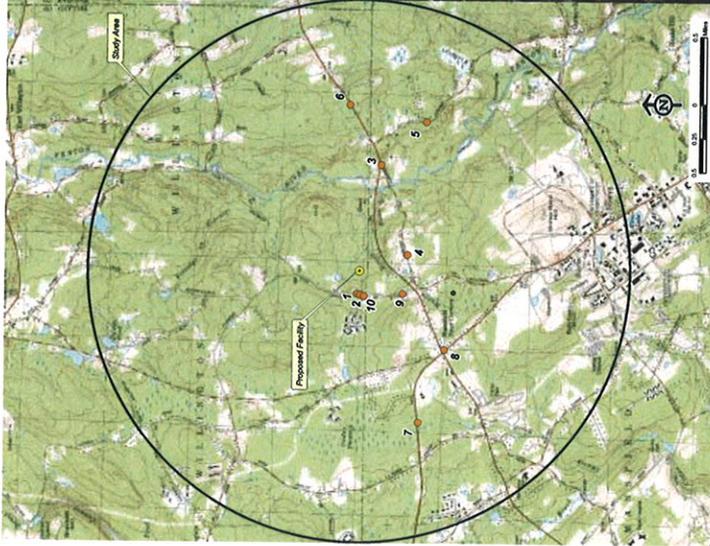
PHOTO TAKEN FROM DALEVILLE ROAD NORTH OF ENTRANCE TO WILLINGTON OAKS APARTMENTS,
LOOKING EAST - BALLOON IS VISIBLE THROUGH TREES
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.16 MILE +/-



Photographic Documentation and Simulation

View 3

Town of
Willington
Connecticut



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole

PHOTO TAKEN FROM OLD TURNPIKE ROAD AT ROUTE 44, LOOKING NORTHWEST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.80 MILE +/-

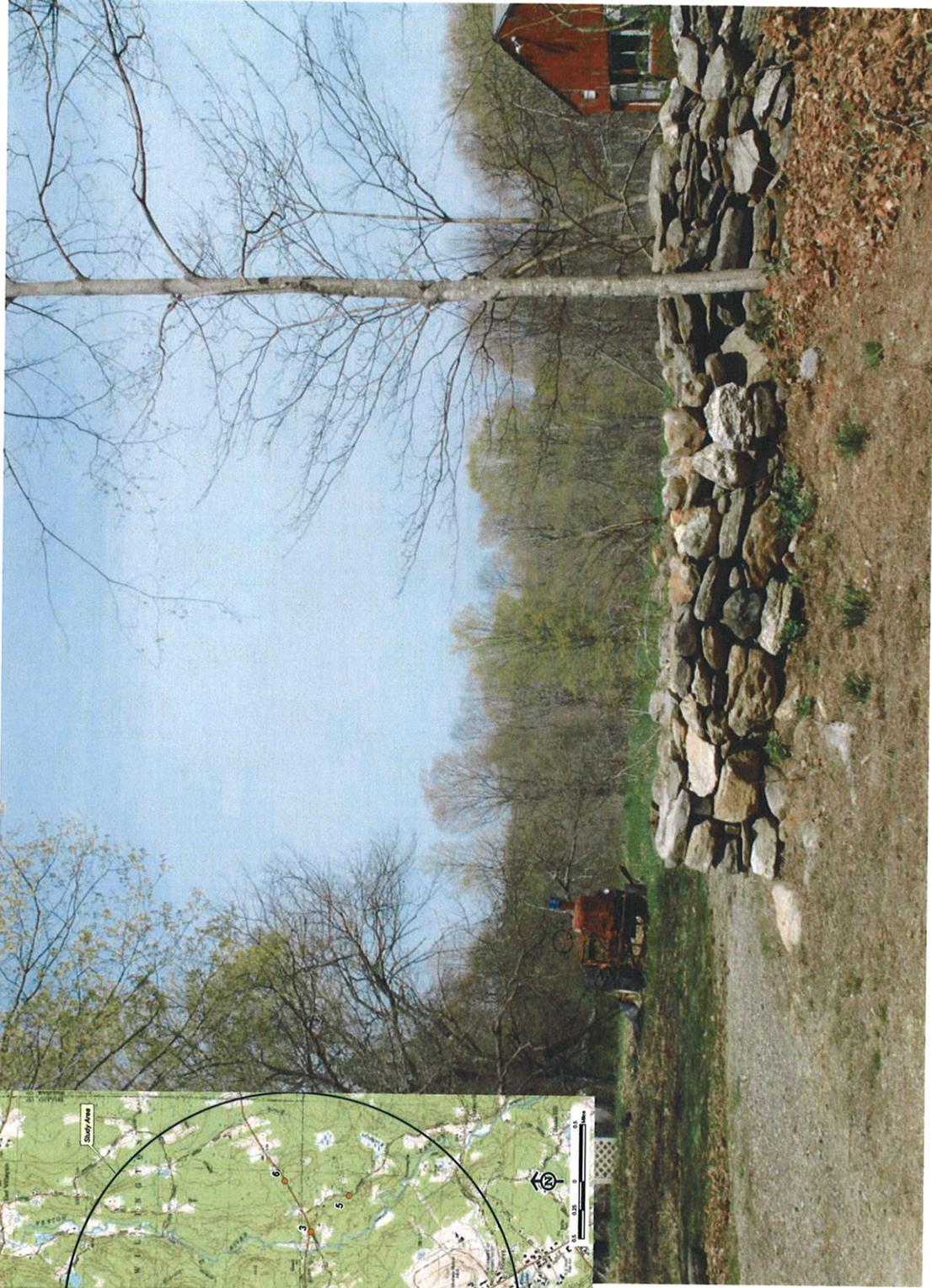
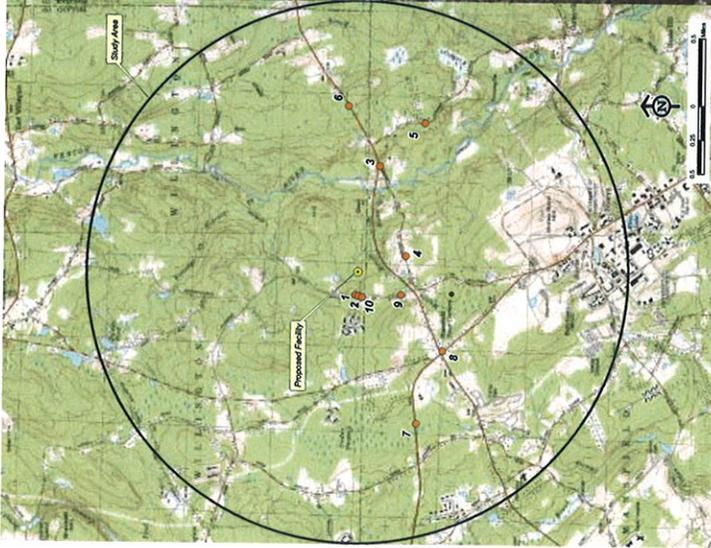


VEB Vanasse Hangen Brustlin, Inc.

Photographic Documentation

Town of
Willington
Connecticut

View 4



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole

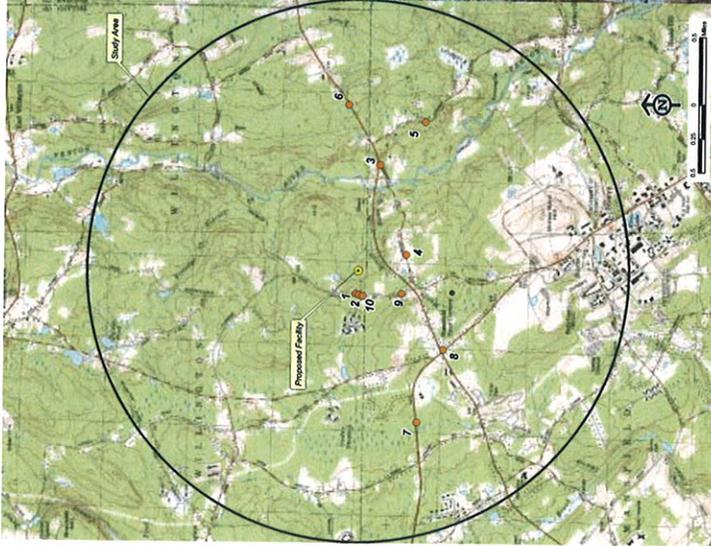


PHOTO TAKEN FROM OLD TURNPIKE ROAD ADJACENT TO HOUSE #54, LOOKING NORTHWEST
- BALLOON IS NOT VISIBLE
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.38 MILE +/-

Photographic Documentation

Town of
Willington
Connecticut

View 5



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole

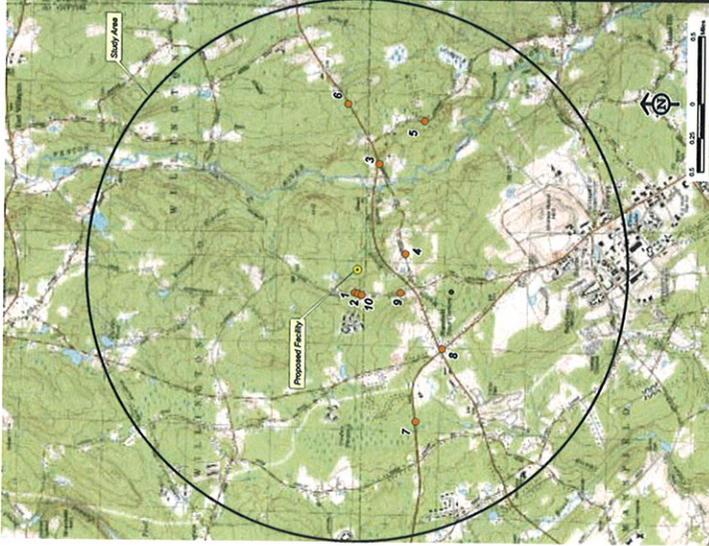


**PHOTO TAKEN FROM CODFISH FALLS ROAD, LOOKING NORTHWEST
- BALLOON IS NOT VISIBLE
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 1.22 MILES +/-**

Photographic Documentation

Town of
Willington
Connecticut

View 6



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole

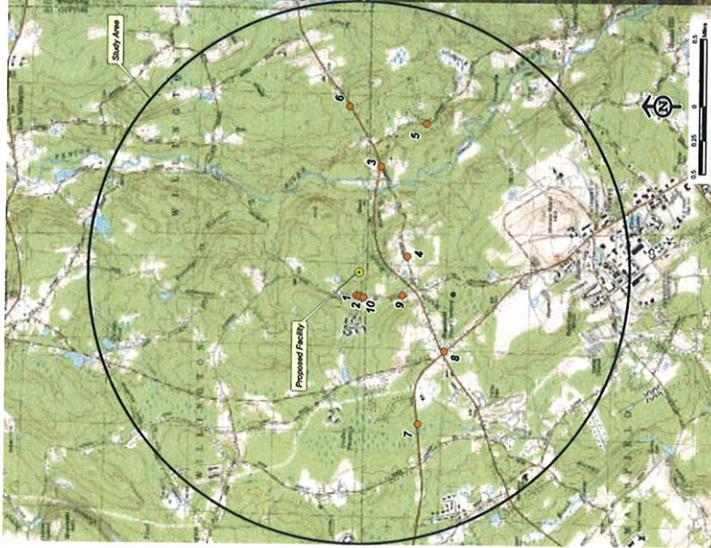
PHOTO TAKEN FROM ROUTE 44, LOOKING WEST
- BALLOON IS NOT VISIBLE
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 1.23 MILES +/-



Photographic Documentation

Town of
Willington
Connecticut

View 7



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole

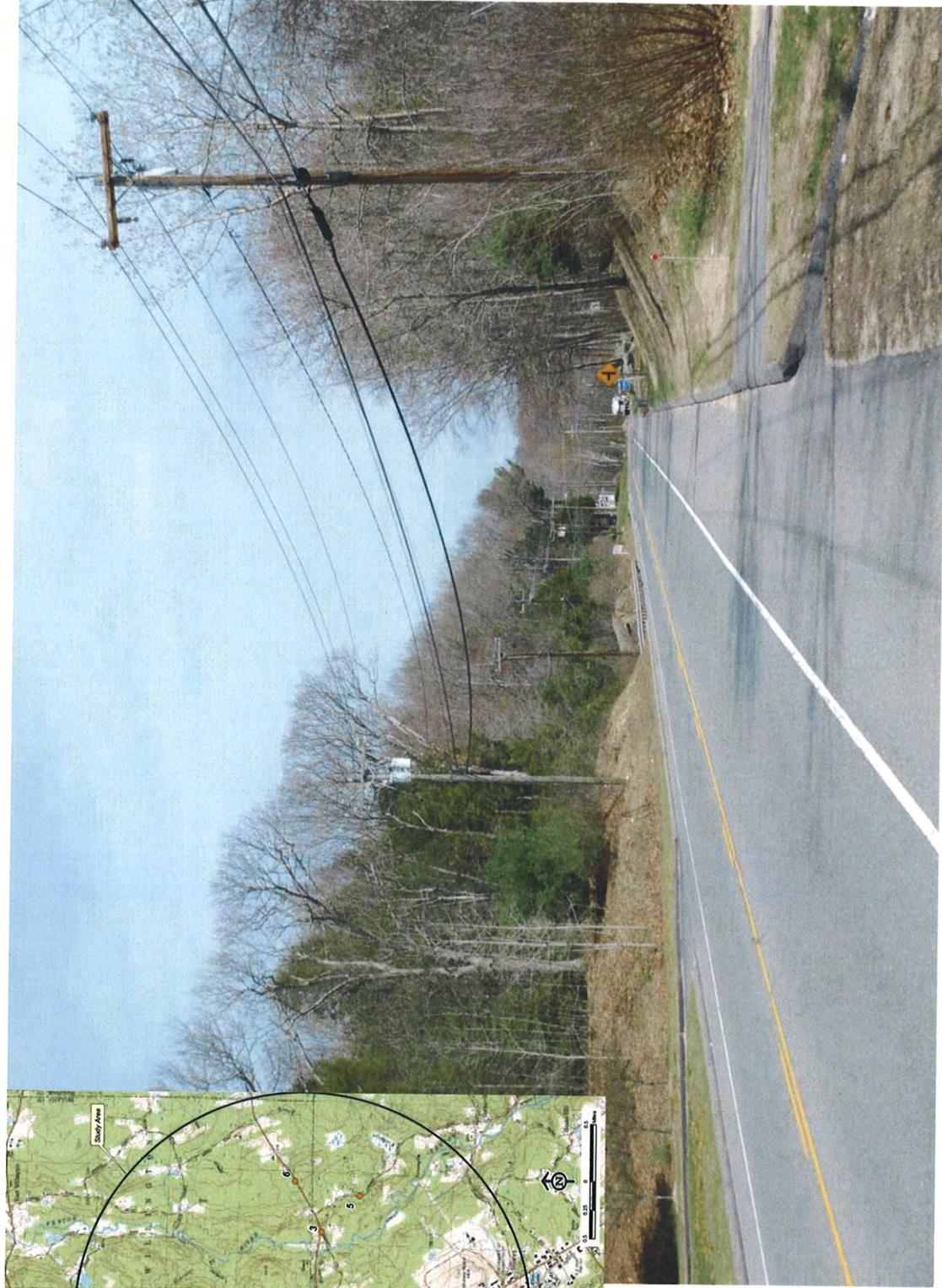


PHOTO TAKEN FROM ROUTE 195, LOOKING NORTHEAST
- BALLOON IS NOT VISIBLE

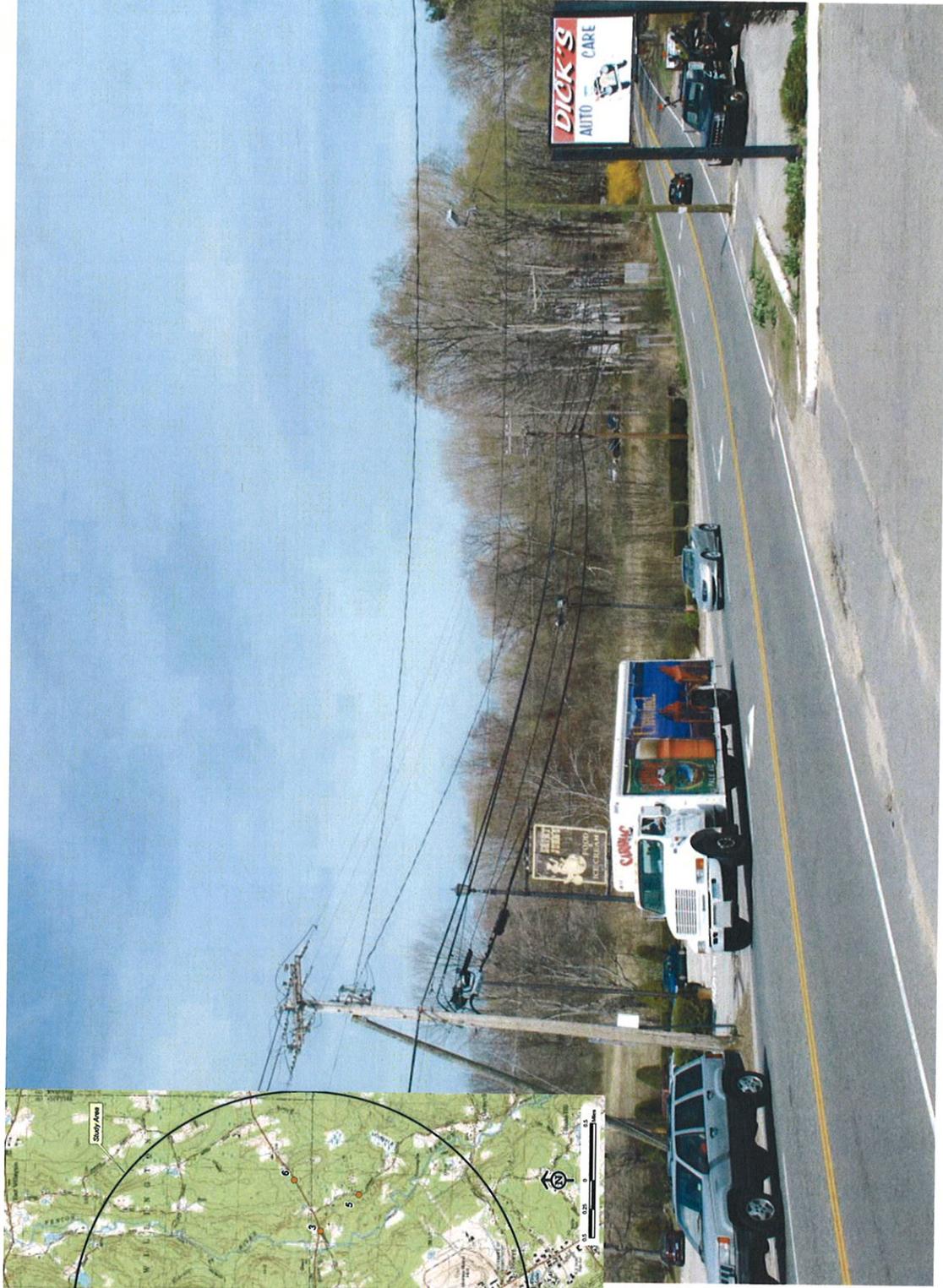
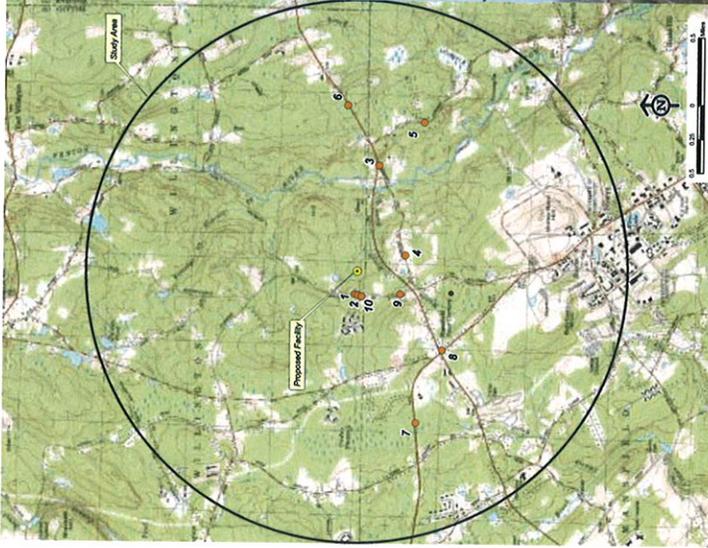
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 1.19 MILES +/-



Photographic Documentation

Town of
Willington
Connecticut

View 8



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole



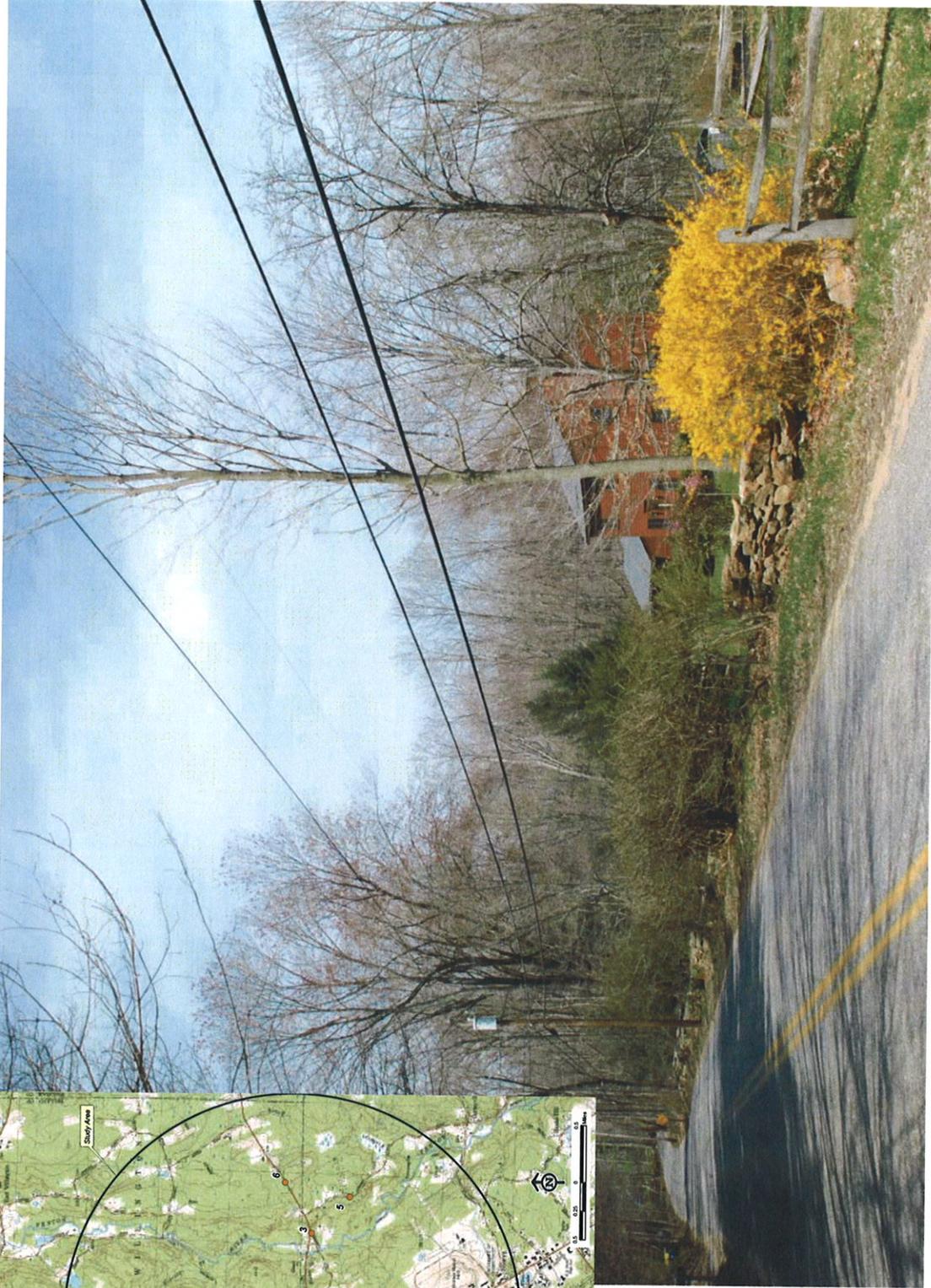
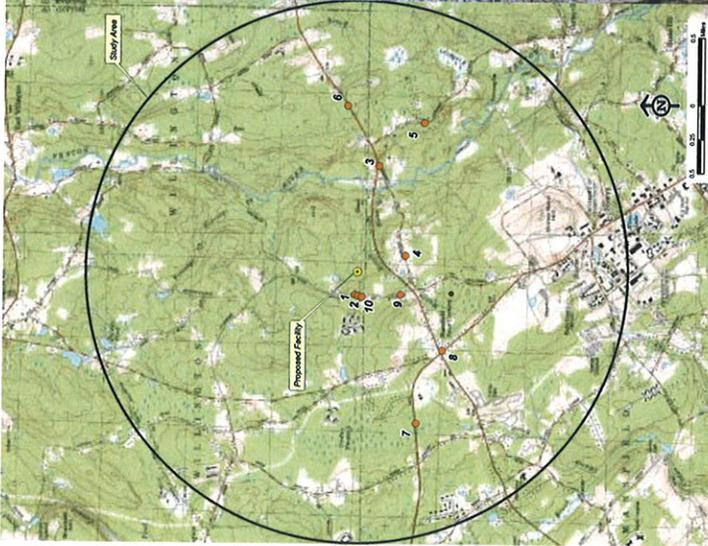
PHOTO TAKEN FROM ROUTE 195 AT ROUTE 44, LOOKING NORTHEAST
- BALLOON IS NOT VISIBLE

DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.85 MILE +/-

Photographic Documentation

View 9

Town of
Willington
Connecticut



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole

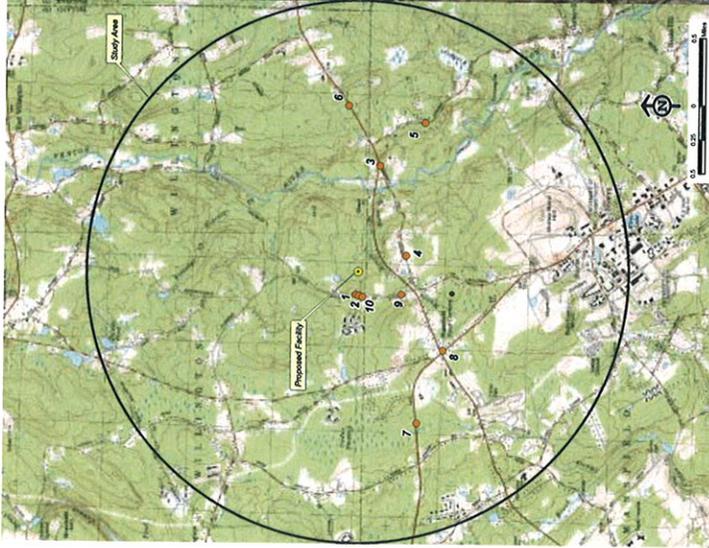


PHOTO TAKEN FROM DALEVILLE ROAD ADJACENT TO HOUSE #19, LOOKING NORTHEAST
- BALLOON IS NOT VISIBLE
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.35 MILE +/-

Photographic Documentation

Town of
Willington
Connecticut

View 10



Willington
343 Daleville Road
Willington, CT

Verizon
3 Carrier Monopole



**PHOTO TAKEN FROM DALEVILLE ROAD AT ENTRANCE TO WILLINGTON OAKS APARTMENTS, LOOKING NORTHEAST
- BALLOON IS NOT VISIBLE**

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

Attachment B

Viewshed Map

Viewshed Map

Topography and Forest Cover as Constraints

Town of
Willington
Connecticut



Proposed Telecommunications Facility Willington 343 Daleville Road Willington, Connecticut

NOTE:

- Viewshed analysis conducted using ESRI's Spatial Analyst.
- Proposed Facility height is 100 feet.
- Existing tree canopy height estimated at 65 feet.
- The Study Area is comprised of a 2-mile radius surrounding the proposed facility and includes 8,042 acres

DATA SOURCES:

- Digital elevation model (DEM) derived from USGS National Elevation Dataset (NED) with a resolution of one arc-second (approximately 30 meters) produced by the USGS, 1925 - 1999
- Forest areas derived from 2006 digital orthophotos with 1-foot pixel resolution; digitized by VHB, 2008
- Base map comprised of Coventry (1983) and Spring Hill (1983) USGS Quadrangle Maps
- Protected properties data layer provided CTDEP; May, 2007
- Scenic Roads layer derived from available State and Local listings.
- Nipmuck Trail digitized based on Connecticut Walk Book (East)

Map Compiled June, 2008

Legend

- | | |
|--|---|
| <ul style="list-style-type: none"> Proposed Monopole Location (Includes select areas of visibility approximately 500 feet around facility) | <ul style="list-style-type: none"> Protected Properties (CT DEP) 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 |
| <ul style="list-style-type: none"> Photographs - April 21, 2008 ● Balloon not visible ● Balloon visible through trees ● Balloon visible above trees Year-Round Visibility (Approximately 7 Acres) Seasonal Visibility (Approximately 10 Acres) | <ul style="list-style-type: none"> Protected Properties (Municipal) Cemetery Preservation Conservation Existing Preserved Open Space Recreation General Recreation School Uncategorized |
| <ul style="list-style-type: none"> Protected Properties (Federal) ★ DEP Boat Launches Town Line Nipmuck Trail (CT Blue Blaze) Scenic Road (State and Local) | |

USF&W COMMENTS



Vanasse Hangen Brustlin, Inc.

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

Memorandum

To: Alexandria Carter
Verizon Wireless
99 East River Drive
East Hartford, CT 06108

Date: August 13, 2008

Project No.: 40240.50

From: Dean Gustafson
Senior Environmental Scientist

Re: Proposed Verizon Facility
Wilmington
343 Daleville Road
Wilmington, Connecticut

Policies regarding potential conflicts between proposed telecommunications facilities and federally-listed endangered and threatened species are detailed in a January 7, 2008 policy statement of the United States Department of the Interior Fish and Wildlife Service (USFWS) New England Field Office. A copy of this policy statement is enclosed for reference. The following Site occurs in Tolland County, Connecticut. No federally listed endangered or threatened species are known to occur in Tolland County, Connecticut (refer to the enclosed listing) and as such the proposed development will not result in an adverse affect to any federally listed endangered or threatened species.

The bald eagle has been delisted and maintains protection under the Bald and Golden Eagle Protection Act (Eagle Act) and the Migratory Bird Treaty Act (MBTA). No bald eagle nests, roosting or foraging areas were observed on the subject property or are known to existing on the surrounding properties. Therefore, the proposed telecommunications facility will not result in disturbance¹ to Bald Eagles.

Project Site:

State: Connecticut

County: Tolland

Address: 343 Daleville Road, Wilmington

Latitude/Longitude Coordinates: N41°50'11.05" W72°15'17.85"

Size of Property: ±22 acres

Watershed: Fenton River (basin # 4007)

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



USFWS January 7, 2008 Telecommunications Policy Statement



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Field Office
70 Commercial Street, Suite 300
Concord, New Hampshire 03301-5087

January 7, 2008

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:

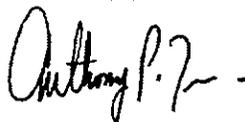
1. If the facility will be installed within or on an existing structure, such as in a church steeple or on the roof of an existing building, no further coordination with this office is necessary. Similarly, new antennas or towers in urban and other developed areas, in which no natural vegetation will be affected, do not require further review.
2. If the above criteria cannot be met, your review of the attached 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 enclosed 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 enclosed species lists remain valid until January 1, 2009. Updated consultation letters and species list are available on our website:

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

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

Sincerely yours,



Anthony P. Tur
Endangered Species Specialist
New England Field Office

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES
IN CONNECTICUT

There is no federally-designated Critical Habitat in Connecticut. The following are federally-listed species by county:

Common Name	Species	Status	County/General Distribution
Shortnose sturgeon ¹	<i>Acipenser brevirostrum</i>	E	Atlantic coastal waters and Connecticut River
Indiana bat	<i>Myotis sodalis</i>	E	New Haven/hibernaculum
Bald eagle	<i>Haliaeetus leucocephalus</i>	D ²	Nesting: Hartford, Litchfield, Middlesex, New Haven, New London, Tolland Wintering: entire state, major rivers
Piping plover	<i>Charadrius melodus</i>	T	Nesting: Fairfield, Middlesex, New Haven, New London (coastal beaches only) Migratory: Atlantic Coast
Roseate tern	<i>Sterna dougallii dougallii</i>	E	Nesting: New Haven (Faulkner Island) Migratory: Atlantic Coast
Bog turtle	<i>Clemmys muhlenbergii</i>	T	Fairfield, Litchfield
Dwarf wedgemussel	<i>Alasmidonta heterodon</i>	E	Hartford (Connecticut River watershed)
Puritan tiger beetle	<i>Cicindela puritana</i>	T	Hartford, Middlesex (Connecticut River floodplain)
Northeastern beach tiger beetle	<i>Cicindela dorsalis dorsalis</i>	T	Coastal beaches/extirpated
Small whorled pogonia	<i>Isotria medeoloides</i>	T	Litchfield, New Haven
Sandplain gerardia	<i>Agalinus acuta</i>	E	Hartford
Chaffseed	<i>Scwalbea americana</i>	E	New London/historic

¹ Principal responsibility for this species is vested with the National Marine Fisheries Service.

² Delisted. Protected under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act.

DEP COMMENTS



July 25, 2008

Vanasse Hangen Brustlin, Inc.

Ref: 41240.50

Ms. Julie Victoria
Wildlife Biologist
Department of Environmental Protection
Franklin Wildlife Management Area
391 Route 32
N. Franklin, Connecticut 06254

Re: Wood Turtle Habitat Survey
Proposed Verizon Wireless Facility
NDDDB - 15989
343 Daleville Road, Willington, CT

Dear Ms. Victoria:

Vanasse Hangen Brustlin, Inc. (VHB) has been retained by Cellco Partnership d.b.a. Verizon Wireless (Verizon Wireless) to review environmental resource information, including threatened or endangered species or designated critical habitats, outlined in 47 CFR Ch.1 § 1.1307 sections (a) and (b) for environmental consequences pursuant to the Federal Communications Commission ("FCC or Commission") requirements. As a licensing agency, the FCC complies with NEPA by requiring its licensees to review their proposed actions for environmental consequences. Rules implementing NEPA are found at Title 47 of the Code of Federal Regulations, Part 1, Subpart I, rule sections 1.1301 to 1.1319.

VHB understands that Verizon Wireless is proposing to construct a new telecommunications facility on portions of property located at 343 Daleville Road in Willington, Connecticut. Site location and aerial maps are enclosed. The proposed facility will consist of a ±100-foot tall monopole tower within a 60-foot by 60-foot fenced-enclosed compound area. Verizon Wireless antenna will be attached to the monopole and associated ground equipment will be installed at its base. The proposed access/utilities route will extend in a northeasterly direction off of Daleville Road following an existing gravel driveway and wooded path (refer to the attached Site Plans). The subject property contains a residence and horse farm with several paddock areas along with small pasture areas interspersed among a primarily wooded parcel.

A wood turtle (*Glyptemys insculpta*) habitat survey was performed in response to your letter of March 13, 2008 (enclosed). A summary of our inspections is provided below along with recommendations to be implemented during proposed construction activities to avoid possible impact to the Special Concern species.

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

Wood Turtle Habitat Survey

Wood turtles require riparian habitats bordered by floodplain, woodland, or meadows, requiring rivers or large streams with deeply undercut banks for hibernation.¹ The Natural Diversity Data Base (NDDDB) map (attached) reveals that several overlapping shaded areas are associated with the Fenton River, located approximately 3,500 feet east of the proposed facility.

The subject property is improved with a residence, barn, various small sheds and several horse paddock areas. The proposed development area for the telecommunications facility will encompass existing developed and disturbed areas primarily consisting of a gravel driveway and wooded path. Representative photographs are enclosed. Although wetland areas were identified on the subject property in proximity to proposed development activities, no direct impact to wetlands or watercourses will result from the proposed work. Details of the wetland delineation are contained in the attached Wetlands Delineation Report, dated March 29, 2008. Seasonal intermittent streams are associated with wetland systems located both north and south of the proposed facility. Man-made ponds that are used as part of the horse farm operations are also located in each of the wetland systems. An overall wetland map is enclosed for reference.

Site inspections were performed on April 18, June 9 and July 7, 2008 to see if wood turtles were utilizing the proposed development area or surrounding woods or wetlands on the subject property. No wood turtles were observed during the site inspections.

Wood turtle movement patterns vary widely among individuals, but most adult turtles remain within 300 meters of their home stream.² The wetland systems and associated seasonal streams located on the subject property in proximity to the proposed facility do not provide ideal hibernation or mating habitat for wood turtles. These wetland areas could potentially be used by wood turtles as foraging habitat, although they are located a considerable distance (3,500± feet) from the Fenton River (which does provide wood turtle habitat). In addition, the upland habitat that will be used for the proposed development is not considered suitable terrestrial habitat due to the surrounding horse farm activity and associated disturbance. Despite the remote possibility, VHB recommends the following precautions to avoid potential inadvertent impact to wood turtles during construction activities.

Wood Turtle Protection Measures

The following is a methodological plan that will avoid mortality to a State Special Concern species as a result of construction activities for the site improvements proposed.



¹ Klemens, M. W. (1993). Amphibians and Reptiles of Connecticut and Adjacent Regions. State Geological and Natural History Survey of Connecticut, Bulletin 112.

² Kaufman, J.H. (1992). Habitat use by wood turtles in central Pennsylvania. Journal of Herpetology 26(2):315-321.

It is of the utmost importance that the Contractor comply with the requirement for the installation of protective measures and the education of employees and subcontractors performing work on the project site.

The proposed wood turtle species protection program consists of several components, most notably complete and appropriate isolation of the project perimeter, periodic inspection and maintenance of isolation structures, and mandatory education of all contractors and sub-contractors prior to initiation of work on the site.

1. Isolation Measures

- a. **Schedule:** On-site work is tentatively scheduled to commence upon securing of all necessary permits during the spring of 2009 with an anticipated duration of approximately six weeks. Installation of conventional silt fencing, which will also serve as an isolation of the work zone from surrounding areas and required for erosion control compliance, will be performed prior to any earthwork. Vanasse Hangen Brustlin, Inc. will inspect the work zone area prior to barrier installation to ensure the area is free of wood turtles.
- b. **Specifications:** The fencing will consist of conventional erosion control woven fabric, installed approximately six inches below surface grade using a Ditch-Witch or similar machine and staked at seven to ten-foot intervals using four-foot oak stakes or approved equivalent. The fencing will be inspected for tears or breeches in the fabric following installation and at one-week intervals or after storm events of 0.5 inch or greater by Vanasse Hangen Brustlin, Inc. Inspections will be conducted throughout the course of the construction project.
- c. **Reports:** Weekly inspection reports (brief narrative and applicable photos) will be sent to CTDEP for compliance verification.
- d. **Location:** The extent of the barrier fencing will be as shown on the site plans as attached.

2. Contractor Education:

- a. Prior to work on-site, the Contractor shall attend an educational session with Vanasse Hangen Brustlin, Inc. This orientation and educational session will consist of an introductory session with photos stressing the non-aggressive nature of wood turtles and the absence of need to destroy animals that might be encountered.
- b. Also stressed in the education session will be means to discriminate between the species of concern and other native species to avoid unnecessary, "false alarms".



Ms. Julie Victoria
NDDDB - 15989
July 25, 2008
Page 4

- c. Contractors will be provided with cell phone and email contacts to be used immediately upon encountering a wood turtle. Poster materials will be provided and posted on the job site to maintain worker awareness as the season progresses. A copy of the Wood Turtle caution poster is enclosed.

3. Reporting

- a. Following completion of the construction project, Vanasse Hangen Brustlin, Inc. will provide a summary report to CTDEP documenting the monitoring and maintenance of the barrier fence.
- b. Any observations of the species of concern will be reported to CTDEP by Vanasse Hangen Brustlin, Inc., with photo-documentation (if possible) and with specific information on the location and disposition of the animal.

The wood turtle protection measures detailed above will adequately protect this Special Concern species in the unlikely event that this species is encountered on the subject property during construction activities. Therefore, Verizon Wireless' proposed development at this property will not have an adverse affect on wood turtle.

We respectfully request a written opinion from your office regarding the potential effect of proposed activities on this State Species of Special Concern in light of documentation contained herein. At your earliest convenience, please forward correspondence to my attention. Thank you in advance for your assistance in this matter.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

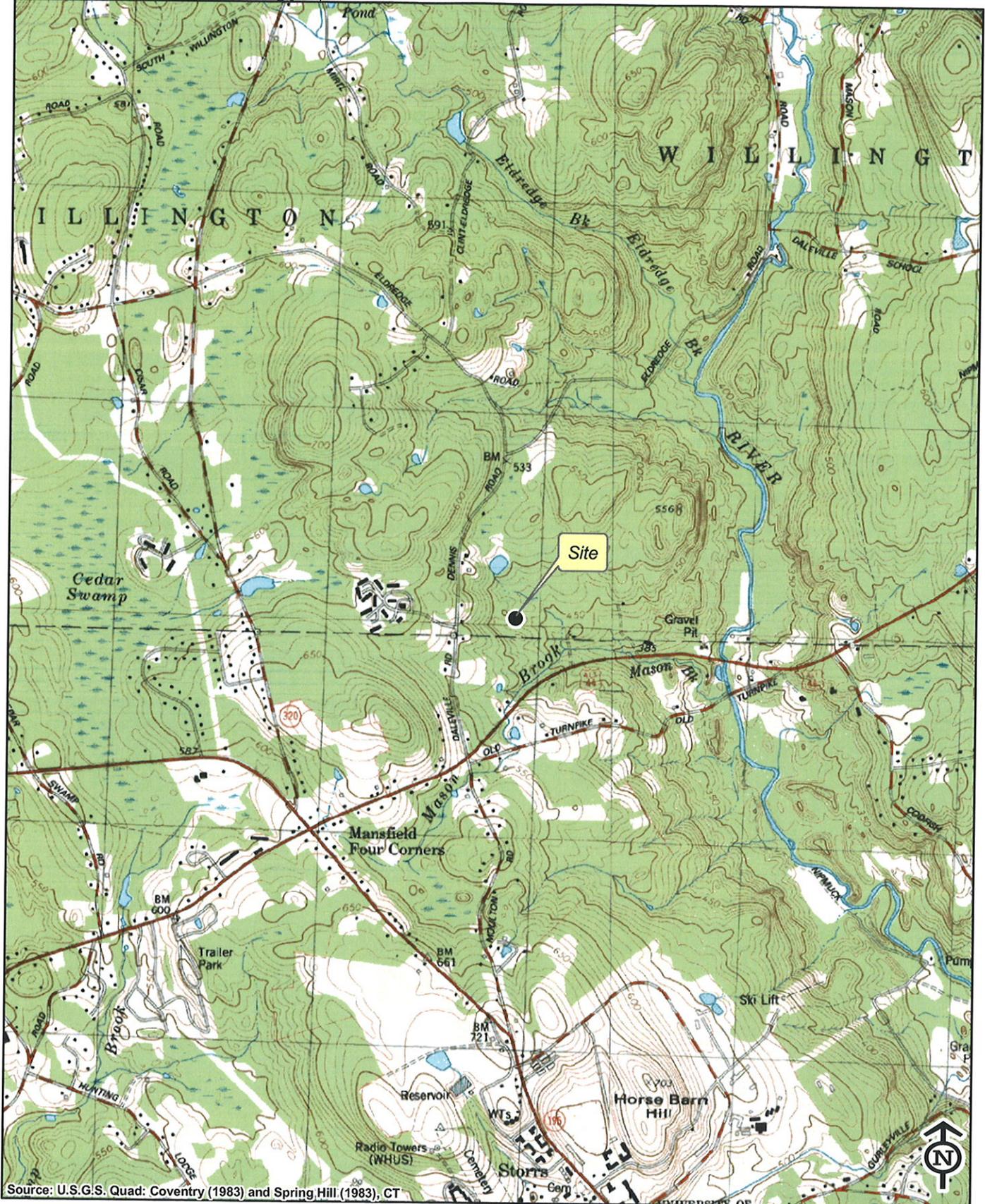


Dean Gustafson
Senior Environmental Scientist

Enclosures

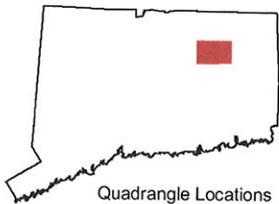
cc: Alexandria Carter, Verizon Wireless





Vanasse Hangen Brustlin, Inc.

Figure 1
Site Location Map
Proposed Verizon Facility
Mansfield 4 Corners
343 Daleville Rd
Willington, Connecticut





Vanasse Hangen Brustlin, Inc.

2006 Aerial Photograph
Proposed Verizon Wireless
Telecommunications Facility
Mansfield Four Corners
343 Daleville Road
Willington, Connecticut



Quadrangle Location



Cellco Partnership

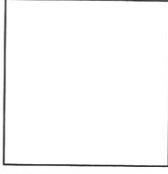
d.b.a. verizon wireless

WIRELESS TELECOMMUNICATIONS FACILITY
MANSFIELD 4 CORNERS (WILLINGTON)

PROJECT: 2005137329
 PROJECT TYPE: BDGCO
 LOCATION CODE: 169109
 343 DALEVILLE ROAD
 WILLINGTON, CT 06279

Cellco Partnership
 d.b.a. verizon wireless

Dewberry
 Dewberry-Goodkind, Inc.
 STATE STREET
 200 WILSON, CT 06210
 203 778 2268 FAX



No.	DATE	BY	Description
C	05/29/08	JAY	REV. LEASE AREA
B	05/09/08	JAY	COMPOUND LOC.
A	03/14/08	CAS	PRELIM. SITI. COON.

REVISIONS

**MANSFIELD
 4 CORNERS
 (WILLINGTON)**

**343 DALEVILLE ROAD
 WILLINGTON, CT 06279**

SITE NAME / ADDRESS

DRAWN BY: CJS
 APPROVED BY: CJD
 CHECKED BY: CJD
 DATE: 05/14/08
 SHEET TITLE:

TITLE SHEET

DWGP/PA: 50006A7

T-1

SHEET NO.

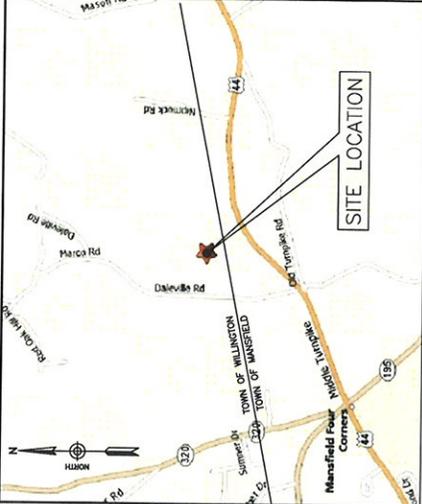
SHEET INDEX

SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
S-1	ADUTTERS MAP
S-2	EXISTING CONDITIONS PLAN
S-3	OVERALL SITE PLAN
S-4	PARTIAL SITE PLAN
S-5	PARTIAL SITE PLAN
S-6	PARTIAL SITE PLAN
S-7	DETAILED COMPOUND PLAN & ELEVATION
S-8	CONSTRUCTION DETAILS
S-9	FENCE NOTES & DETAILS AND SITE DETAILS
S-10	EQUIPMENT SHELTER PLAN & ELEVATIONS

PROJECT SUMMARY

SITE NAME: MANSFIELD 4 CORNERS (WILLINGTON)
SITE ADDRESS: 343 DALEVILLE ROAD
 WILLINGTON, CT 06279
EMERGENCY OWNER: MAREL WELSHNER
 WILLINGTON, CT 06279
 (860) 429-3200
AGENCY: CELLCO PARTNERSHIP
 43.6 VERIZON WIRELESS
 EAST HARTFORD, CT 06108
CONTACT PERSON: SANDY CARTER
 CELLCO PARTNERSHIP
 (860) 800-1215
COORDINATES: LATITUDE: N 41°-50'-11.25" (NAD 83)
 LONGITUDE: W 72°-19'-17.62" W (NAD 83)
 COORDINATES TAKEN FROM
 F&M 2-C SURVEY CERTIFICATION

PROJECT DESCRIPTION:
 THE PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF 3 SECTORS OF A WIRELESS TELECOMMUNICATIONS FACILITY. THE FACILITY WILL INCLUDE A PROPOSED ANTENNA FRAME ATTACHED TO A PROPOSED TOWER, AND A TRANSMIT AND RECEIVE RADIO SIGNALS.

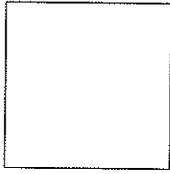


WILLINGTON, CT
 SCALE: N.T.S.
LOCATION MAP

- NOTE:**
1. THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS PROPOSED CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHERE CONDITIONS DIFFER. ISSUE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.
 2. THE SCOPE OF WORK SHALL INCLUDE:
 A. THE CONSTRUCTION OF A 60'X60' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 60'X60' LEASE AREA.
 B. ALL WORKING SHALL BE CONDUCTED, AS REQUIRED, WITHIN LEASE AREA AND ACCESSORY AREAS FOR PROPOSED SERVICE.
 C. A TOTAL OF THREE (3) LIGHT TOWER TOWERS ARE PROPOSED TO BE LOCATED AT A AND COORDINATE ELEVATION OF 100' AS SHOWN ON THE ATTACHED PROPOSED MONOPOLE LOCATED IN THE CENTER OF THE PROPOSED COMPOUND.
 D. POWER AND TELCO UTILITIES SHALL BE ROUTED UNDERGROUND FROM EXISTING UTILITY POLES ON THE PROPERTY TO THE PROPOSED TOWERS. THE PROPOSED TOWERS SHALL BE LOCATED UNDERGROUND FROM THE EXISTING UTILITY BACKBONES TO THE PROPOSED 42'X20' COMPOUND. UTILITIES SHALL BE ROUTED UNDERGROUND FROM THE EXISTING UTILITY BACKBONES TO THE PROPOSED 42'X20' COMPOUND. UTILITIES SHALL BE VERIFIED BY LOCAL UTILITY COMPANIES.
 E. FINAL DESIGN FOR TOWER, TOWER FOUNDATION, AND ANTENNA MOUNTS SHALL BE DONE BY THE TOWER MANUFACTURER.
 F. THE PROPOSED WIRELESS FACILITY INSTALLATION SHALL BE CONDUCTED IN ACCORDANCE WITH THE CURRENT CONNECTICUT STATE BUILDING CODE.
 G. THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
 H. THERE WILL NOT BE ANY SENSORS OR ADVERTISING ON THE ANTENNA OR EQUIPMENT.
 3. DRIVING DIRECTIONS FROM HARTFORD, CT:
 TAKE I-84 EAST TO I-294 EAST.
 TAKE RT-14E AND CONTINUE UNTIL
 TURN LEFT ONTO DALEVILLE RD.
 NO. 343 S ON RIGHT.

Cellco Partnership
d.b.a. **verizon** wireless

Dewberry
Dewberry-Goodland, Inc.
300 N. Main Street
Suite 301
Wilmington, CT 06279
203.778.2277 PHONE
203.778.2288 FAX



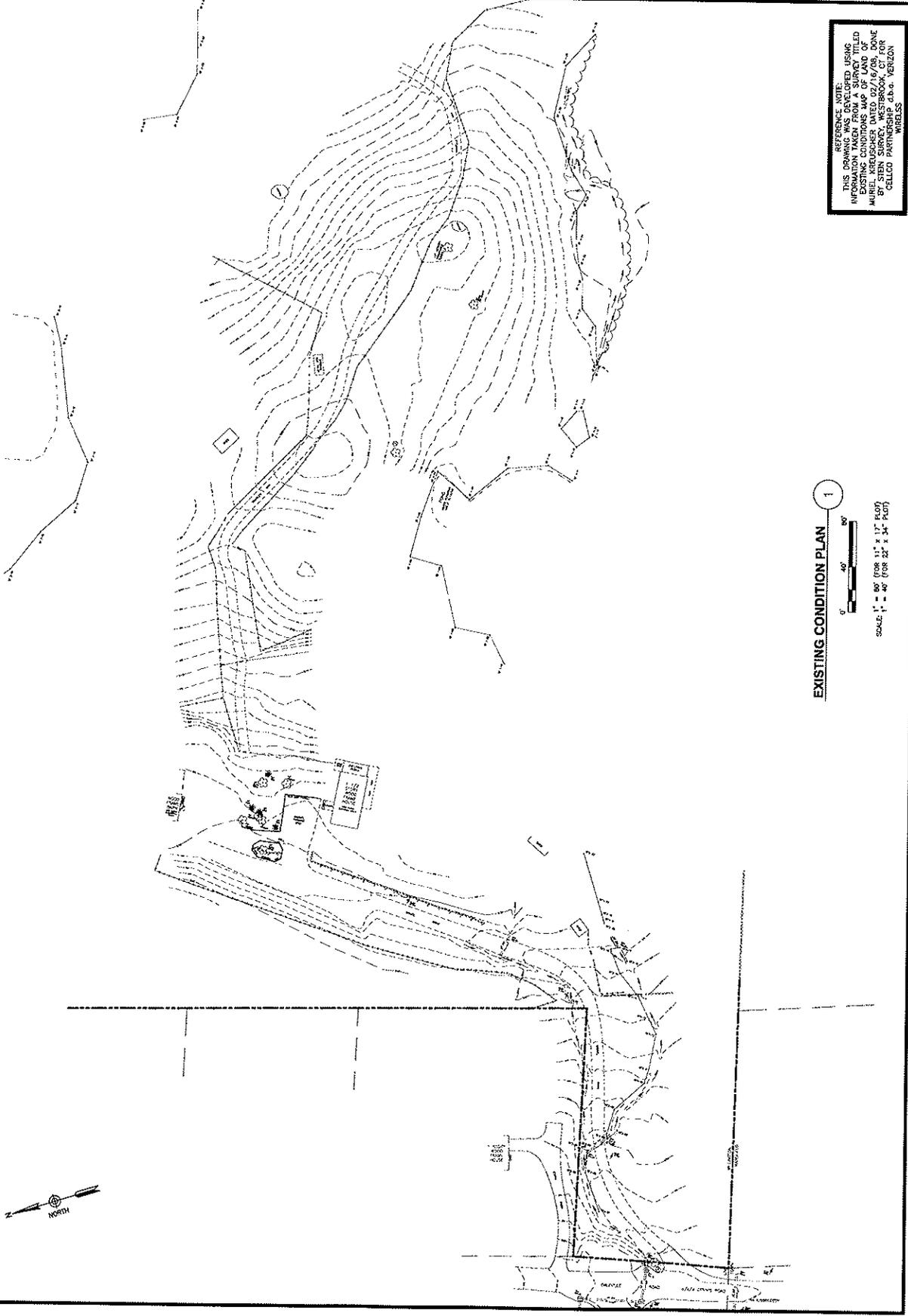
No.	Date	By	Description

RESPONSE
**MANSFIELD
4 CORNERS
(WILLINGTON)**
343 DALEVILLE ROAD
WILLINGTON, CT 06279
SITE NAME / ADDRESS

DRAWN BY: CSJ
APPROVED BY: CSJ
CHECKED BY: CSJ
DATE: 03/14/09
SHEET TITLE:

**EXISTING
CONDITION
PLAN**
DWBERRY/PN: 20020047

S-2
SHEET NO.



REFERENCE NOTE:
THIS DOCUMENT HAS BEEN PREPARED USING
INFORMATION TAKEN FROM SITE
EXISTING CONDITIONS MAP OF LAND OF
MURIEL KREUSSER DATED 02/16/08, DONE
BY MURIEL KREUSSER FOR
CELLCO PARTNERSHIP d.b.a. VERIZON
WIRELESS

EXISTING CONDITION PLAN 1
0' 40' 80'
SCALE: 1" = 80' (FOR 11" x 17" PLOT)
1" = 40' (FOR 22" x 34" PLOT)

NO.	DATE	BY	DESCRIPTION
1	03/17/08	WJ	ISSUE A&E
2	03/17/08	WJ	REV. BASE AREA
3	03/17/08	WJ	REV. COMPASSING LOC.
4	03/17/08	WJ	REV. FENCE DET. CONN.

**MANSFIELD
4 CORNERS
(WILLINGTON)**
343 DALEVILLE ROAD
WILLINGTON, CT 06279

REVISIONS

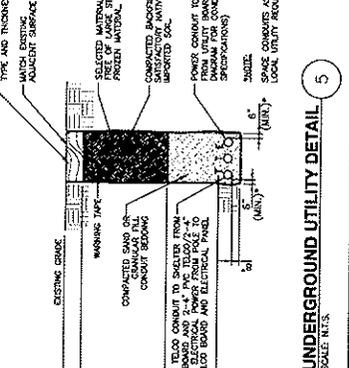
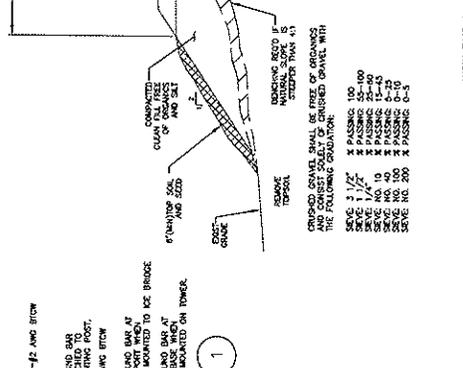
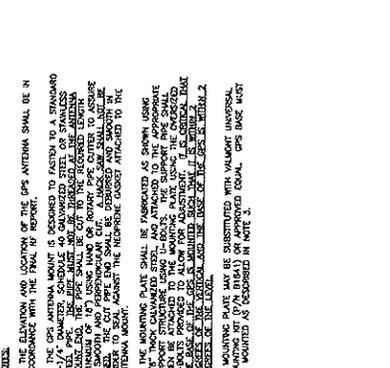
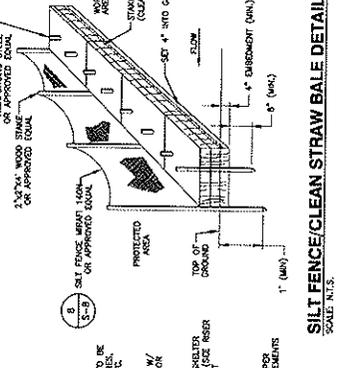
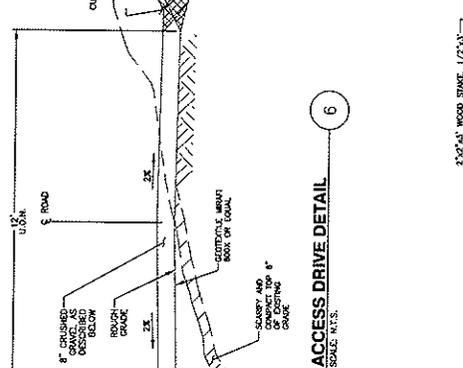
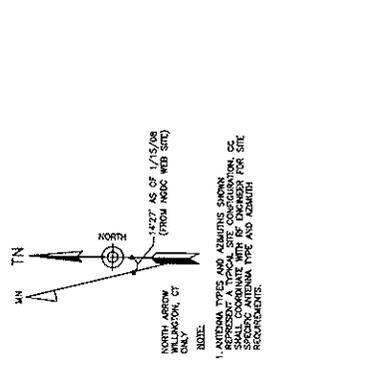
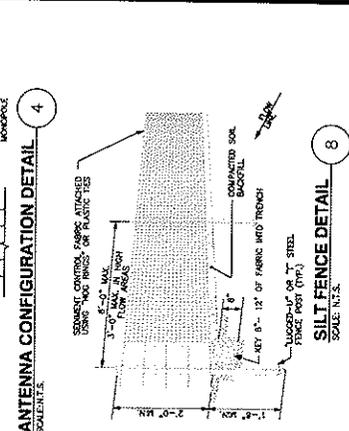
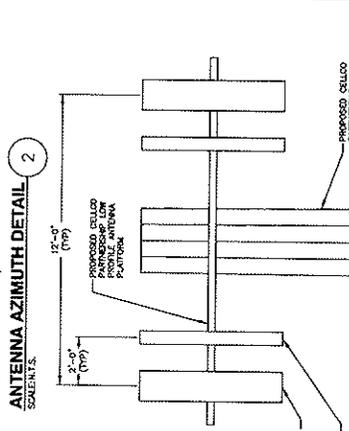
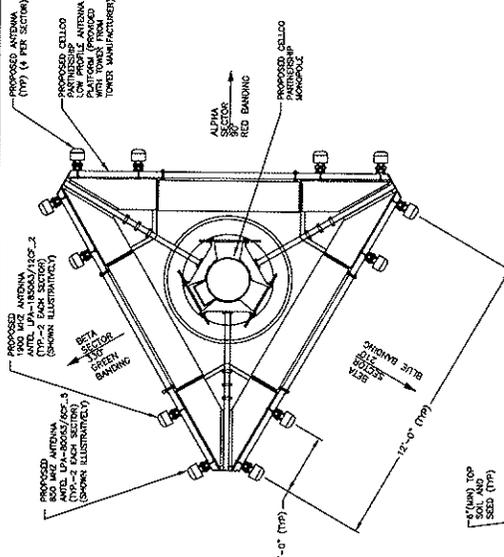
SITE NAME/ADDRESS

DRAWN BY: CDS
APPROVED BY: CDS
CHECKED BY: CDS
DATE: 03/14/08
SHEET TITLE: CONSTRUCTION DETAILS

DESIGNER/DATE: 50088047

S-8

SHEET NO.



NOTES:

1. THE ELEVATION AND LOCATION OF THE GPS ANTENNA SHALL BE IN ACCORDANCE WITH THE FINAL RP REPORT.
2. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD STEEL PIPE. THE MOUNT SHALL BE INSTALLED AT THE ANTENNA MOUNTING POINT. THE MOUNT SHALL BE INSTALLED AT THE ANTENNA MOUNTING POINT. THE MOUNT SHALL BE INSTALLED AT THE ANTENNA MOUNTING POINT.
3. THE MOUNT SHALL BE INSTALLED AS SHOWN USING SUPPORT STRUCTURE USING U-BOLTS. THE SUPPORT BARS SHALL BE INSTALLED AT THE ANTENNA MOUNTING POINT. THE MOUNT SHALL BE INSTALLED AT THE ANTENNA MOUNTING POINT.
4. MOUNTING PLATE MAY BE SUBSTITUTED WITH VALMONT UNIVERSAL GPS BRIDGE MOUNT AS DESCRIBED IN NOTE 3.

NOTES:

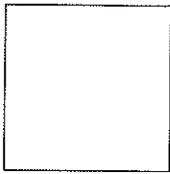
1. ICE BRIDGE SHALL BE VALMONT GPS BRIDGE TRANSMISSION THE BRIDGE (TYP. BRIDGE) OR APPROVED EQUAL.
2. CABLE SUPPORT SHALL BE VALMONT DOUBLE LEVEL CHANNEL (P/N 3000) OR APPROVED EQUAL.
3. CONTRACTOR SHALL DETERMINE REQUIRED QUANTITY OF ALL ICE BRIDGE COMPONENTS.
4. SHIP-IN MANIFESTS, PRICE LISTS, INVOICE EXTENSION LISTS, PROVIDED BY THE CONTRACTOR AS PART OF THE BID SHALL BE MANUFACTURER'S SPECIFICATIONS.
5. ICE BRIDGE SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
6. ICE BRIDGE SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
7. ICE BRIDGE COMPONENTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

NOTES:

1. CRUSHED GRAVEL SHALL BE FREE OF ORGANICS AND FINE PARTICLES.
2. CRUSHED GRAVEL SHALL BE FREE OF ORGANICS AND FINE PARTICLES.
3. CRUSHED GRAVEL SHALL BE FREE OF ORGANICS AND FINE PARTICLES.
4. CRUSHED GRAVEL SHALL BE FREE OF ORGANICS AND FINE PARTICLES.
5. CRUSHED GRAVEL SHALL BE FREE OF ORGANICS AND FINE PARTICLES.
6. CRUSHED GRAVEL SHALL BE FREE OF ORGANICS AND FINE PARTICLES.
7. CRUSHED GRAVEL SHALL BE FREE OF ORGANICS AND FINE PARTICLES.

Cellco Partnership
d.b.a. Verizon Wireless

Dewberry
Dewberry-Goodkind, Inc.
50 ELM STREET
SUITE 101
WILLINGTON, CT 06410
203.771.2277 FAX
203.771.2288 FAX



No.	DATE	BY	DESCRIPTION
C	05/27/08	ANY REV. LEASE AREA	
B	05/06/08	ANY COMPASS LOC.	
A	03/14/08	PRELIM. SH. COMM.	

REVISIONS

**MANSFIELD
4 CORNERS
(WILLINGTON)**
343 DALEVILLE ROAD
WILLINGTON, CT 06279

SITE NAME / ADDRESS

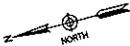
DRAWN BY: CJS
APPROVED BY: CJS
CHECKED BY: CJS
DATE: 03/14/08

SHEET TITLE:
**EQUIPMENT
SHELTER PLAN
& ELEVATIONS**

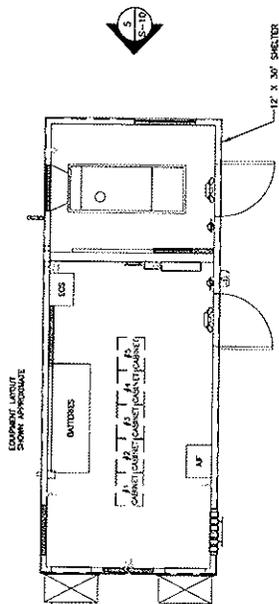
DEWBERRY P.O. NO. 0628247

S-10

SHEET NO.

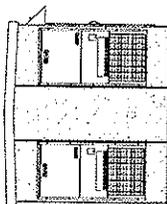


SHelter LOCATION KEY PLAN
SCALE: N.T.S.



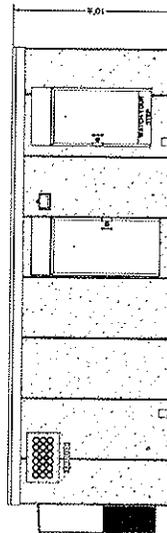
SHelter FLOOR PLAN

SCALE: 1/8" = 1' (FOR 11" x 17" PLOT)
SCALE: 1/4" = 1' (FOR 22" x 34" PLOT)



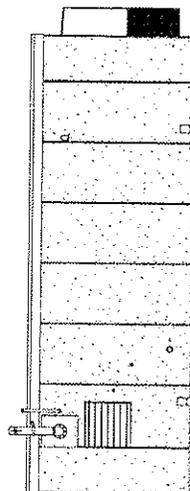
SHelter LEFT ELEVATION

SCALE: 1/8" = 1' (FOR 11" x 17" PLOT)
SCALE: 1/4" = 1' (FOR 22" x 34" PLOT)



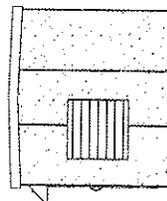
SHelter FRONT ELEVATION

SCALE: 1/8" = 1' (FOR 11" x 17" PLOT)
SCALE: 1/4" = 1' (FOR 22" x 34" PLOT)



SHelter REAR ELEVATION

SCALE: 1/8" = 1' (FOR 11" x 17" PLOT)
SCALE: 1/4" = 1' (FOR 22" x 34" PLOT)



SHelter RIGHT ELEVATION

SCALE: 1/8" = 1' (FOR 11" x 17" PLOT)
SCALE: 1/4" = 1' (FOR 22" x 34" PLOT)



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



March 13, 2008

Ms. Nicole Dentamaro
Vanasse Hangen Brustlin, Inc.
54 Tuttle Place
Middletown, Ct 06457

re: proposed Verizon Wireless Facility, Willington

Dear Ms. Dentamaro:

Your request was forwarded to me on 3/11/08 from Dawn McKay of the Department of Environmental Protection's (DEP) Natural Diversity Data Base. They have records of a state species of special concern, Wood turtle (*Glyptemys insculpta*) in the vicinity of your project.

Wood turtles require riparian habitats bordered by floodplain, woodland or meadows. Their summer habitat includes pastures, old fields, woodlands, powerline cuts and railroad beds bordering or adjacent to streams and rivers. This species has been negatively impacted by the loss of suitable habitat.

If Wood turtle habitat exists on the proposed site and will be impacted by your project, the Wildlife Division recommends that a herpetologist familiar with the habitat requirements of this species conduct surveys between April and September to see if they are present. A report summarizing the results of such surveys should include habitat descriptions, reptile species list and a statement/resume giving the herpetologist's qualifications. The DEP doesn't maintain a list of qualified herpetologists. A DEP Wildlife Division permit may be required by the herpetologist to conduct survey work, you should ask if your herpetologist has one. The results of this investigation can be forwarded to the Wildlife Division and, after evaluation, recommendations for additional surveys, if any, will be made.

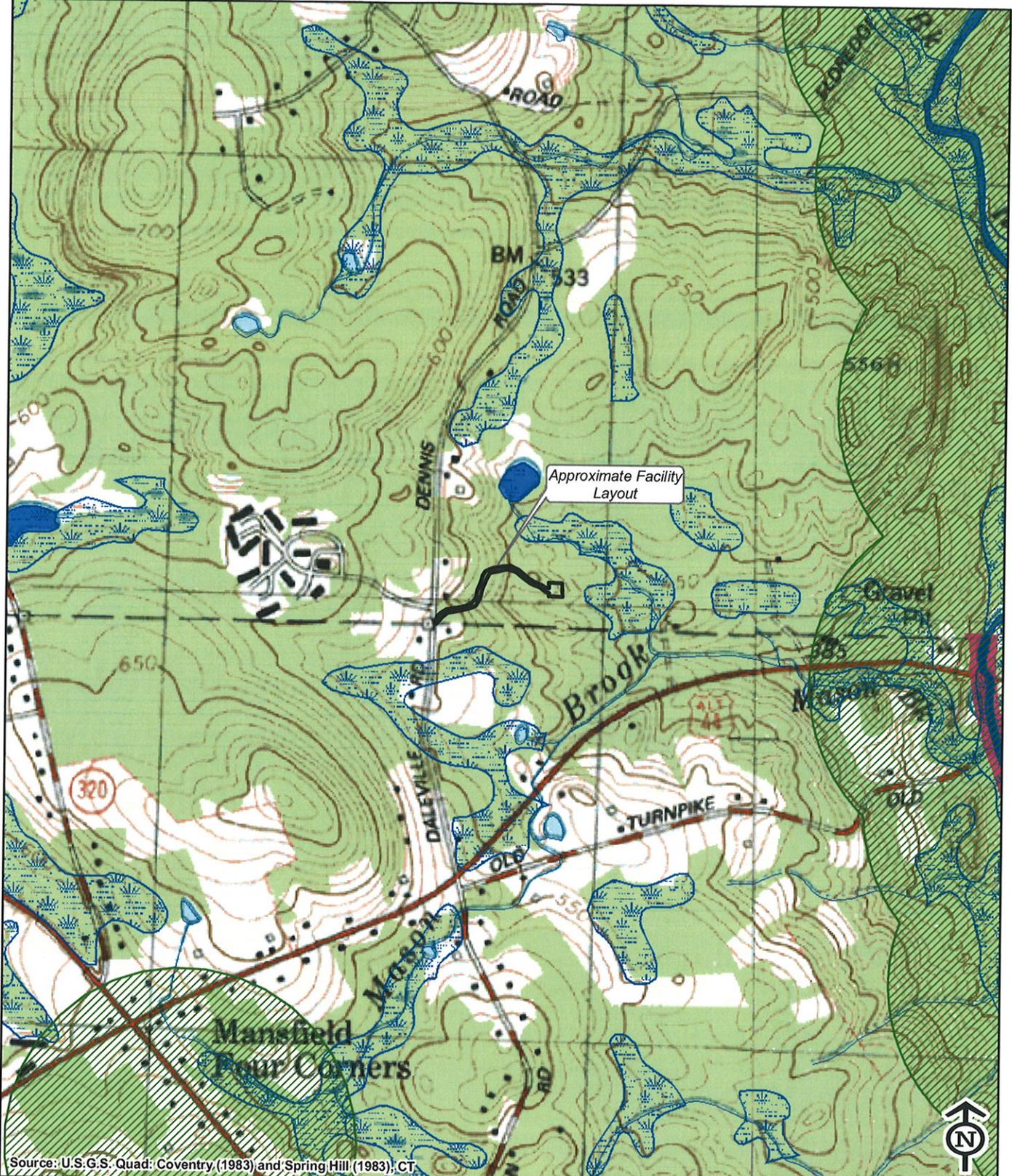
Standard protocols for protection of wetlands should be followed and maintained during the course of the project. Additionally, all silt fencing should be removed after soils are stable so that reptile and amphibian movement between uplands and wetlands is not restricted.

Please be advised that the Wildlife Division has not made a field inspection of the project nor have we seen detailed timetables for work to be done. Consultation with the Wildlife Division should not be substituted for site-specific surveys that may be required for environmental assessments. The time of year when this work will take place will affect this species if they are present on the site when the work is scheduled. Please be advised that should state permits be required or should state involvement occur in some other fashion, specific restrictions or conditions relating to the species discussed above may apply. In this situation, additional evaluation of the proposal by the DEP Wildlife Division should be requested. If you have any additional questions, please feel free to contact me at Julie.Victoria@po.state.ct.us, please reference the NDDDB # at the bottom of this letter when you e-mail. Thank you for the opportunity to comment.

Sincerely,

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

cc: NDDDB - 15989



Source: U.S.G.S. Quad: Coventry, (1983) and Spring Hill, (1983), CT.

- Legend**
- Approximate Facility Layout
 - NDDB Areas (buffered; last updated 12/07)
 - Wetlands
 - Open Water
 - FEMA Flood Zone**
 - 100 Year Flood Zone
 - 500 Year Flood Zone
 - Floodway in Zone AE
 - Other Flood Areas



Vanasse Hangen Brustlin, Inc.
Natural Diversity Data Base (NDDB)
State and Federally Listed Endangered,
Threatened, and Special Concern Species
and Significant Natural Communities Screen
Proposed Verizon Facility
Mansfield 4 Corners
343 Daleville Rd
Willington, Connecticut

February 5, 2008



WETLANDS DELINEATION REPORT

Vanasse Hangen Brustlin, Inc.

Date: March 29, 2008
Project No.: 41240.50
Prepared For: Ms. Alexandria Carter
Verizon Wireless
99 East River Drive
East Hartford, Connecticut 06108
Site Location: Mansfield 4 Corners
343 Daleville Road
Willington, Connecticut
Site Map: Wetland Sketch, 03/22/08, VHB
Inspection Date: March 22, 2008
Field Conditions: Weather: sunny, mid 40's
Snow Depth: 0 inches
General Soil Moisture: moist
Frost Depth: 0 inches

Type of Wetlands Identified and Delineated:

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

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

Field Numbering Sequence of Wetlands Boundary: WF1-01 to WF1-11; WF1-12/WF1-17 WF1-18 to WF1-30; WF2-01 to WF2-05; WF 2-10 to WF2-18
[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/or 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

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

Attachments



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

Wetland Delineation Field Form

Project Address:	343 Daleville Road Willington, CT	Project Number:	41240.50
Inspection Date:	March 22, 2008	Inspector:	Dean Gustafson, PSS
Wetland I.D.:	Wetland 1		

Field Conditions:	Weather: sunny, mid 40's	Snow Depth: none
	General Soil Moisture: moist	Frost Depth: none
Type of Wetland Delineation:	Connecticut <input checked="" type="checkbox"/>	
	ACOE <input type="checkbox"/>	
	Tidal <input type="checkbox"/>	
Field Numbering Sequence: WF1-01 to WF1-11; WF1-12/WF1-17; WF1-18 to WF1-30		

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 type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input checked="" 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: man-made dug channel		

SPECIAL AQUATIC HABITAT:

Vernal Pool <input type="checkbox"/>	Other <input type="checkbox"/>	
Comments: spermatophores observed in channel near WF1-28 but not classified as vernal pool habitat		

Wetland Delineation Field Form

Project Address:	343 Daleville Road Willington, CT	Project Number:	41240.50
Inspection Date:	March 22, 2008	Inspector:	Dean Gustafson, PSS
Wetland I.D.:	Wetland 2		

Field Conditions:	Weather: sunny, mid 40's	Snow Depth: none
	General Soil Moisture: moist	Frost Depth: none
Type of Wetland Delineation:	Connecticut <input checked="" type="checkbox"/>	
	ACOE <input type="checkbox"/>	
	Tidal <input type="checkbox"/>	
Field Numbering Sequence: WF2-01 to WF2-05; WF2-10 to WF2-18		

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

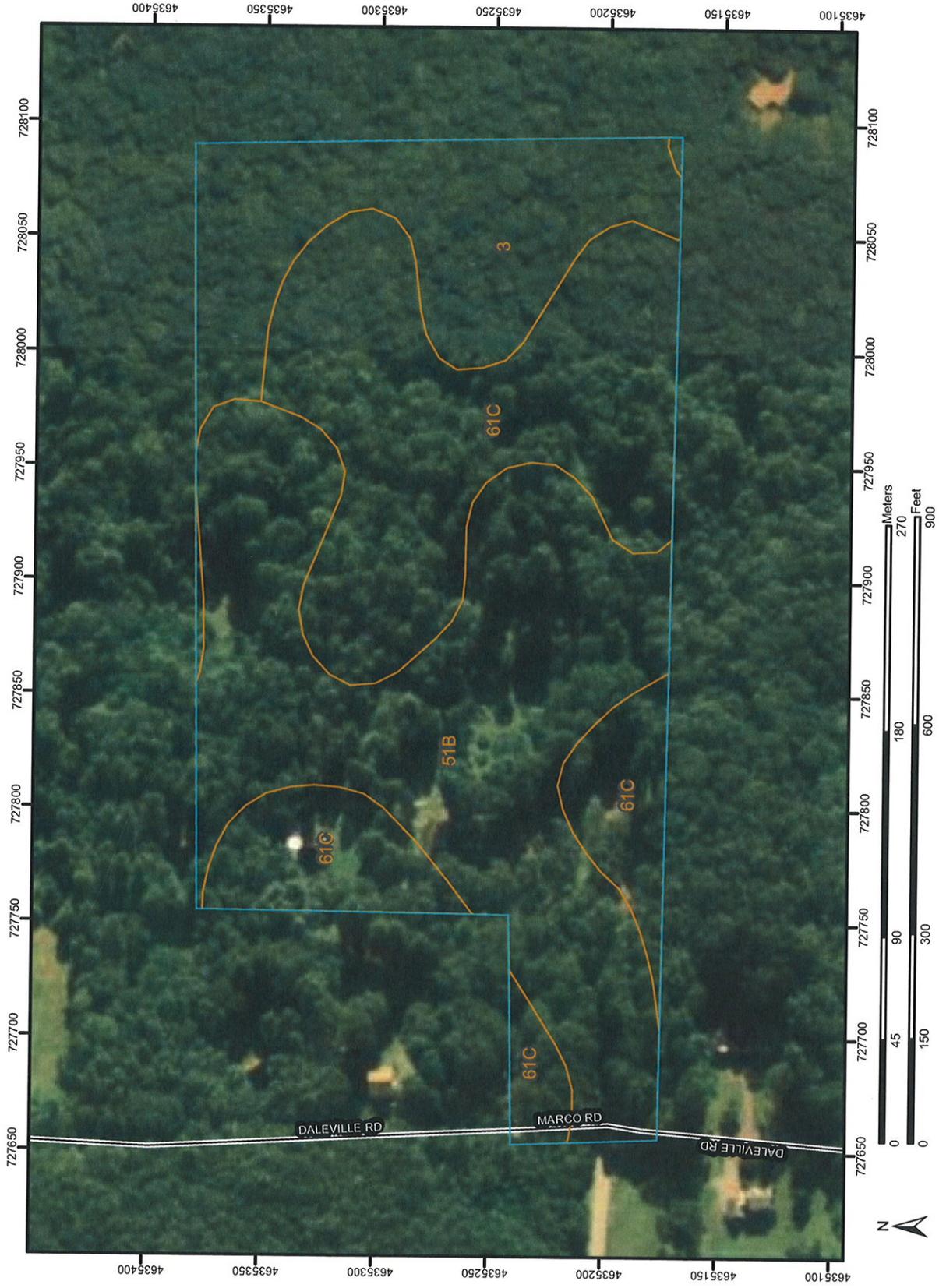
WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Comments: man-made pond and wetlands drain into intermittent watercourse then Mason Brook		

SPECIAL AQUATIC HABITAT:

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

Soil Map—State of Connecticut
(Mansfield 4 Corners, 343 Daleville Road, Willington, CT)



Natural Resources
Conservation Service

Web Soil Survey 2.0
National Cooperative Soil Survey

MAP LEGEND

- 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
 - Mine or Quarry
 - Miscellaneous Water
 - Perennial Water
 - Rock Outcrop
 - Saline Spot
 - Sandy Spot
 - Severely Eroded Spot
 - Sinkhole
 - Slide or Slip
 - Sodic Spot
 - Spoil Area
 - Stony Spot
- Special Line Features**
 - Gully
 - Short Steep Slope
 - Other
- Political Features**
 - Municipalities
 - Cities
 - Urban Areas
- Water Features**
 - Oceans
 - Streams and Canals
- Transportation**
 - Rails
- Roads**
 - Interstate Highways
 - US Routes
 - State Highways
 - Local Roads
 - Other Roads

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

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

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: 3/31/1991

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 INFORMATION

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	3.5	18.6%
51B	Sutton fine sandy loam, 2 to 8 percent slopes, very stony	7.8	41.0%
61C	Canton and Charlton soils, 8 to 15 percent slopes, very stony	7.7	40.4%
Totals for Area of Interest (AOI)		19.0	100.0%

Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey 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, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

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, Generated)

State of Connecticut

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

Component: Ridgebury (40%)

The Ridgebury component makes up 40 percent of the map unit. Slopes are 0 to 5 percent. This component is on drainageways on uplands, depressions on uplands. The parent material consists of coarse-loamy lodgment till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer, densic material, is 20 to 30 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 7s. This soil meets hydric criteria.

Component: Leicester (35%)

The Leicester component makes up 35 percent of the map unit. Slopes are 0 to 5 percent. This component is on drainageways on uplands, depressions on uplands. The parent material consists of coarse-loamy melt-out till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 9 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 70 percent. Nonirrigated land capability classification is 7s. This soil meets hydric criteria.

Component: Whitman (15%)

The Whitman component makes up 15 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions on uplands, drainageways on uplands. The parent material consists of coarse-loamy lodgment till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer, densic material, is 12 to 20 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is occasionally ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, October, November, December. Organic matter content in the surface horizon is about 60 percent. Nonirrigated land capability classification is 7s. This soil meets hydric criteria.

Component: Sutton (2%)

Generated brief soil descriptions are created for major components. The Sutton soil is a minor component.

Component: Unnamed, frequently flooded (2%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Component: Unnamed, steep slopes (2%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Component: Woodbridge (2%)

Generated brief soil descriptions are created for major components. The Woodbridge soil is a minor component.

Component: Unnamed, nonstony (1%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Component: Unnamed, silt loam surface (1%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Map Unit: 51B—Sutton fine sandy loam, 2 to 8 percent slopes, very stony

Component: Sutton (80%)

The Sutton component makes up 80 percent of the map unit. Slopes are 2 to 8 percent. This component is on drainageways on uplands, depressions on uplands. The parent material consists of coarse-loamy melt-out till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Charlton (5%)

Generated brief soil descriptions are created for major components. The Charlton soil is a minor component.

Component: Canton (4%)

Generated brief soil descriptions are created for major components. The Canton soil is a minor component.

Component: Leicester (3%)

Generated brief soil descriptions are created for major components. The Leicester soil is a minor component.

Component: Paxton (3%)

Generated brief soil descriptions are created for major components. The Paxton soil is a minor component.

Component: Rainbow (2%)

Generated brief soil descriptions are created for major components. The Rainbow soil is a minor component.

Component: Woodbridge (2%)

Generated brief soil descriptions are created for major components. The Woodbridge soil is a minor component.

Component: Narragansett (1%)

Generated brief soil descriptions are created for major components. The Narragansett soil is a minor component.

Map Unit: 61C—Canton and Charlton soils, 8 to 15 percent slopes, very stony

Component: Canton (45%)

The Canton component makes up 45 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills on uplands. The parent material consists of coarse-loamy over sandy and gravelly melt-out till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 70 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Charlton (35%)

The Charlton component makes up 35 percent of the map unit. Slopes are 8 to 15 percent. This component is on uplands, hills. The parent material consists of coarse-loamy melt-out till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Chatfield (5%)

Generated brief soil descriptions are created for major components. The Chatfield soil is a minor component.

Component: Hollis (5%)

Generated brief soil descriptions are created for major components. The Hollis soil is a minor component.

Component: Leicester (5%)

Generated brief soil descriptions are created for major components. The Leicester soil is a minor component.

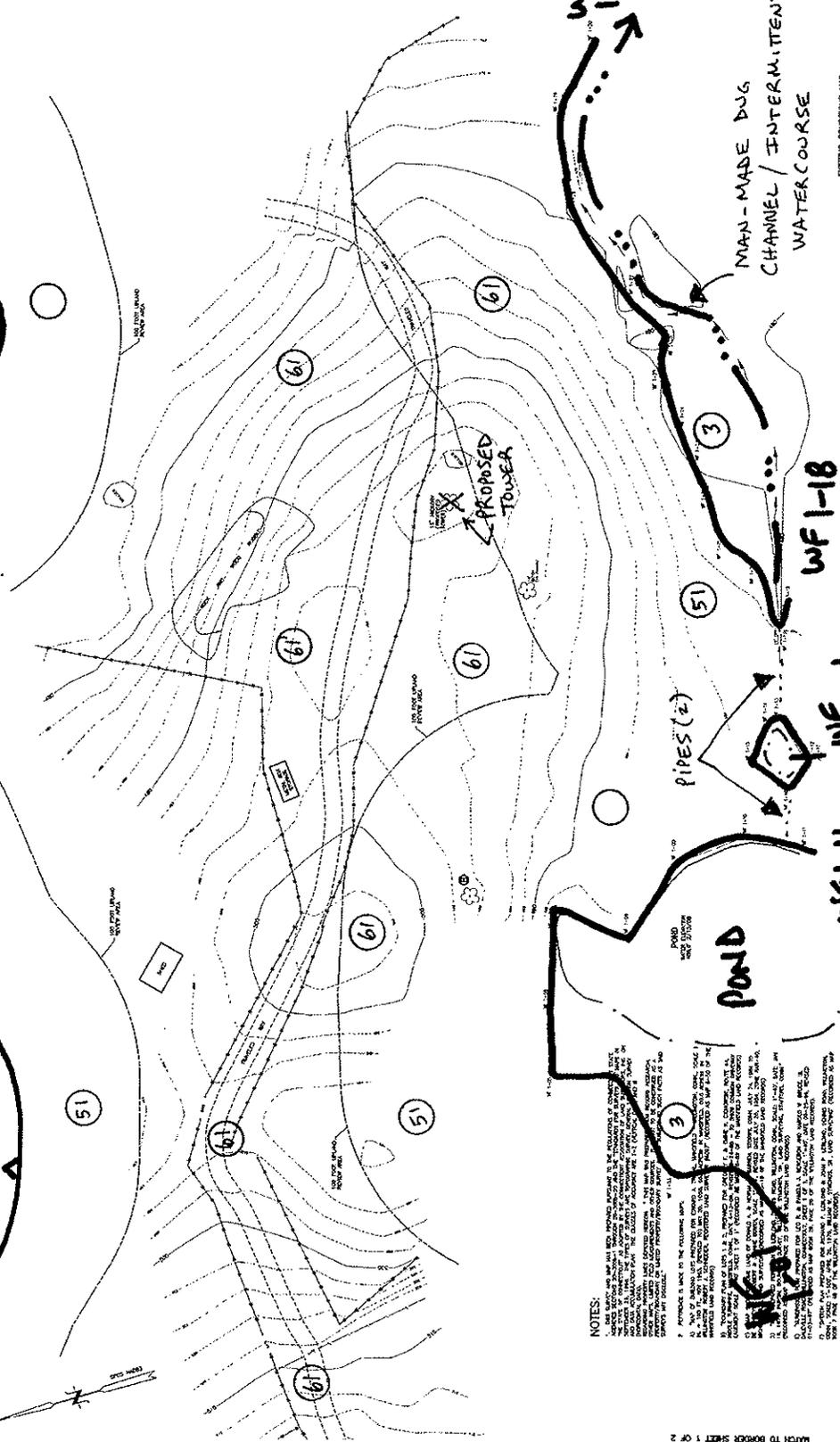
Component: Sutton (5%)

Generated brief soil descriptions are created for major components. The Sutton soil is a minor component.

Data Source Information

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

WF 2-18
 POND
 WF 2-10
 WF 2-05
 WF 2-01



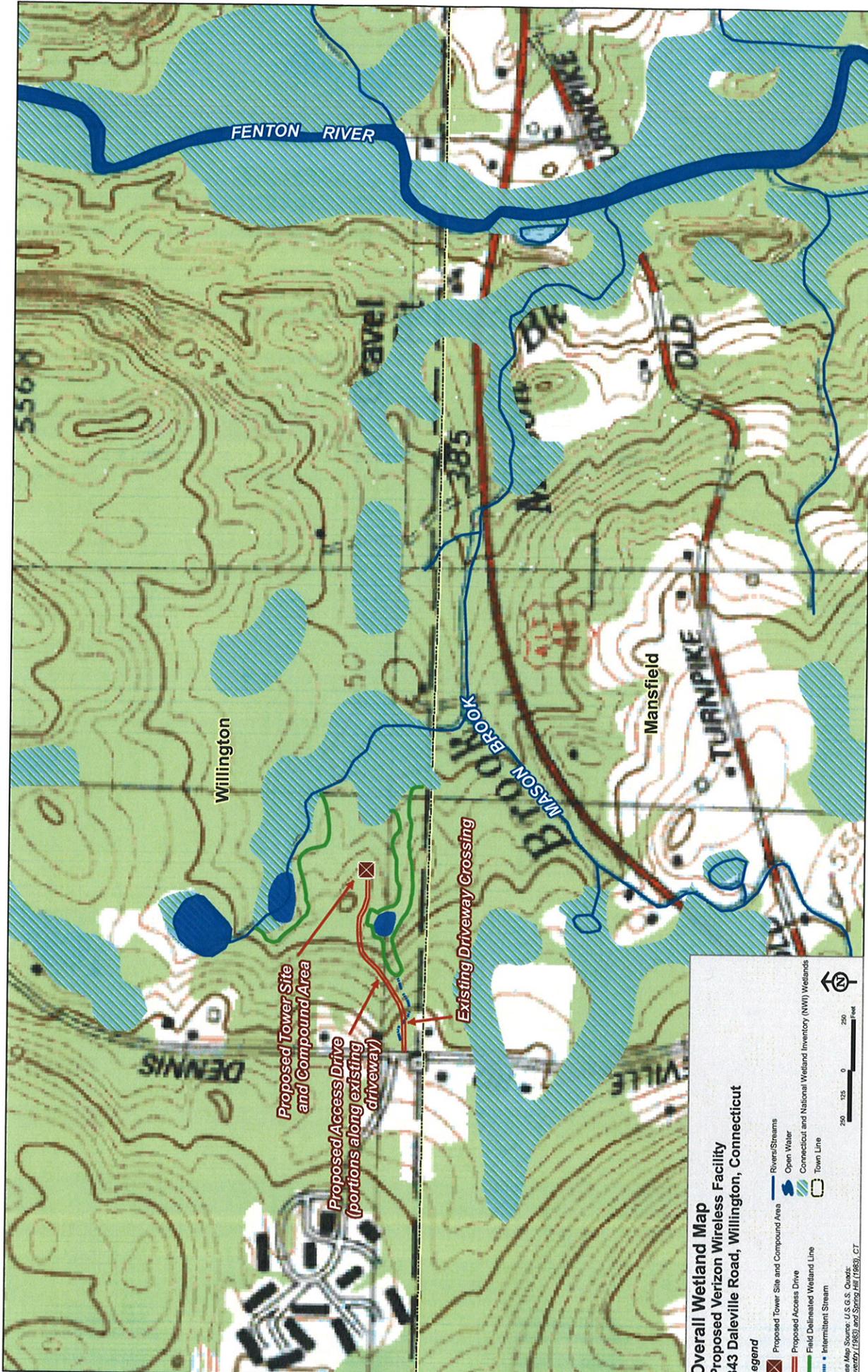
NOTES:

1. THIS MAP IS A PRELIMINARY DESIGN AND SHOULD NOT BE USED FOR CONSTRUCTION WITHOUT THE APPROVAL OF THE ENGINEER.
2. THE ELEVATIONS SHOWN ON THIS MAP ARE BASED ON THE DATUM OF MEAN SEA LEVEL.
3. THE PROPOSED TOWER IS LOCATED AT THE INTERSECTION OF THE MAN-MADE DUG CHANNEL AND THE INTERMITTENT WATER COURSE.
4. THE POND IS LOCATED AT THE END OF THE MAN-MADE DUG CHANNEL.
5. THE PIPES ARE LOCATED AT THE INTERSECTION OF THE MAN-MADE DUG CHANNEL AND THE INTERMITTENT WATER COURSE.
6. THE MAN-MADE DUG CHANNEL IS LOCATED AT THE INTERSECTION OF THE INTERMITTENT WATER COURSE AND THE PROPOSED TOWER.
7. THE INTERMITTENT WATER COURSE IS LOCATED AT THE INTERSECTION OF THE MAN-MADE DUG CHANNEL AND THE PROPOSED TOWER.
8. THE PROPOSED TOWER IS LOCATED AT THE INTERSECTION OF THE MAN-MADE DUG CHANNEL AND THE INTERMITTENT WATER COURSE.
9. THE POND IS LOCATED AT THE END OF THE MAN-MADE DUG CHANNEL.
10. THE PIPES ARE LOCATED AT THE INTERSECTION OF THE MAN-MADE DUG CHANNEL AND THE INTERMITTENT WATER COURSE.
11. THE MAN-MADE DUG CHANNEL IS LOCATED AT THE INTERSECTION OF THE INTERMITTENT WATER COURSE AND THE PROPOSED TOWER.
12. THE INTERMITTENT WATER COURSE IS LOCATED AT THE INTERSECTION OF THE MAN-MADE DUG CHANNEL AND THE PROPOSED TOWER.

EXISTING CONDITIONS MAP
 MURIEL KREUSCHER
 WILSON COUNTY
 WILSON COUNTY
 SCALE: 1"=20' - DATE: FEBRUARY 18, 2008
 SHEET 2 OF 2

3/22/08
 DES

VANASSE HANGEN BRUSTLIN WETLAND SKETCH



Overall Wetland Map
Proposed Verizon Wireless Facility
343 Daleville Road, Willington, Connecticut

- Legend**
- Proposed Tower Site and Compound Area
 - Proposed Access Drive
 - Field Delineated Wetland Line
 - Intermittent Stream
 - Rivers/Streams
 - Open Water
 - Connecticut and National Wetland Inventory (NWI) Wetlands
 - Town Line



Base Map Source: U.S.S. Census Secretary (1983) and Spring Hill (1983), CT

Vanasse Hangen Brustlin, Inc.
PHOTOLOG DOCUMENTATION
Proposed Verizon Wireless Facility
343 Daleville Road, Willington, Connecticut
April 18, 2008



Photo 1: View of existing gravel driveway, looking south.



Photo 2: View of proposed access drive flowing existing wooded path and adjoining horse paddock areas, looking east.

Vanasse Hangen Brustlin, Inc.
PHOTOLOG DOCUMENTATION
Proposed Verizon Wireless Facility
343 Daleville Road, Willington, Connecticut
April 18, 2008



Photo 3: View of proposed access drive following existing wooded path and adjoining horse paddock areas, looking east.



Photo 4: View of proposed facility (background in left side of photo) within existing wooded path and near adjoining horse paddock and pasture areas, looking east.

CAUTION

WOOD TURTLES ARE KNOWN TO INHABIT THIS AREA



Identification: Wood turtles (*Glyptemys insculpta*) are terrestrial turtles that may reach 6 to 8 inches in length. Although they are most often associated with rivers and large streams, their foraging habitat covers extensive areas of pasture, woodlands and wetlands. The shell (carapace) is readily distinguished by its sculpted, rough, moderately-domed shaped. The color of the shell is brown or black with flared rear marginals (edge of the shell). The belly (plastron) is yellow with large black blotches or squares along the edges. The head and upper limbs are dark brown or black with yellow, orange or red wash on the under limbs. Large scales cover the forelimbs sometimes with red or orange highlights. olive, tan, or brown.

What to do if you find a wood turtle: Wood turtles are protected by Connecticut's threatened and endangered species legislation and **cannot** be injured, killed, or retained as a pet. If you find a wood turtle move the turtle to a safe location away from any construction activity in the direction that the turtle was heading. Pick up the turtle by its shell (carapace) between the front and hind legs. Be sure to hold the turtle closer to their hind legs as they can reach over and bite if your hands are too close to the head. The turtle may hiss and should retract into its shell.

Who to contact: Please report any finds and relocation of wood turtle immediately to **Dean Gustafson of Vanasse Hangen Brustlin, Inc. at (860) 632-1500 ext 2339.**

SHPO COMMENTS



Connecticut Commission on Culture & Tourism

May 12, 2008

Historic Preservation
and Museum Division

One Constitution Plaza
Second Floor
Hartford, Connecticut
06103

860 256.2800
860 256.2763 (f)

Ms. Nicole Dentamaro
Vanasse Hangen Brustlin Inc.
54 Tuttle Place
Middletown, CT 06457-1847

Subject: Verizon Wireless Telecommunications Facilities
343 Daleville Road
Willington, CT

Dear Ms. Dentamaro:

The State Historic Preservation Office has reviewed the reconnaissance survey prepared by Heritage Consultants LLC concerning the above-named project. In the opinion of the State Historic Preservation Office, the archival and archaeological methodologies employed by Heritage Consultants LLC are consistent with our *Environmental Review Primer for Connecticut's Archaeological Resources*.

The State Historic Preservation Office concurs with Heritage Consultants LLC that no further archaeological investigations appear warranted with respect to the proposed undertaking. This office believes that the proposed undertaking will have no effect upon Connecticut's cultural heritage.

This office recommends that Heritage Consultants LLC consult with the Office of State Archaeology at the University of Connecticut (Storrs) concerning the professional transferal of all field notes, photographs, and artifactual materials generated by the archaeological investigations.

The State Historic Preservation Office appreciates the cooperation of all interested parties concerning the professional management of Connecticut's archaeological resources.

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

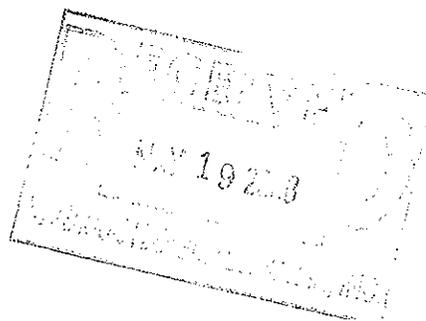
Sincerely,

Karen Senich
State Historic Preservation Officer

cc: Bellantoni, George

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: Ms. Alexandria Carter
Verizon Wireless
99 East River Drive
East Hartford, CT 06108

Date: August 13, 2008

Project No.: 41240.18

From: Dean Gustafson
Professional Soil Scientist

Re: NEPA Wetland Compliance
Willington
343 Daleville Road
Willington, Connecticut

Vanasse Hangen Brustlin, Inc. (VHB) previously completed on-site investigations to determine if wetlands and/or watercourses are located on the above-referenced Site.

The Site was inspected on March 22 and April 18, 2008. The property is improved with a residence and several horse paddocks and wooded pasture areas. Based on a review of plans prepared by Dewberry (latest revised date 05/29/08) VHB understands that Verizon Wireless proposes to construct a wireless communications facility in the central portion of the subject property near an existing wooded path and pasture area. Three wetland areas were identified on the subject property in proximity to the proposed facility. However, although work is proposed in proximity to nearby wetland resource areas, no direct impact to wetlands is proposed for the Verizon Wireless development.

In addition, as no direct impact to federal wetlands is associated with Verizon Wireless' construction activities, **NO significant change in surface features** (e.g., wetland fill, deforestation or water diversion) will result in accordance with the National Environmental Policy Act Categorical Exclusion checklist.



WETLANDS DELINEATION REPORT

Vanasse Hangen Brustlin, Inc.

Date: August 13, 2008
Project No.: 41240.50
Prepared For: Ms. Alexandria Carter
Verizon Wireless
99 East River Drive
East Hartford, Connecticut 06108
Site Location: Willington
343 Daleville Road
Willington, Connecticut
Site Map: Wetland Sketch, 03/22/08, VHB
Inspection Date: March 22 & April 18, 2008
Field Conditions: Weather: sunny, mid 40's & high 60's
Snow Depth: 0 inches
General Soil Moisture: moist
Frost Depth: 0 inches

Type of Wetlands Identified and Delineated:

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

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

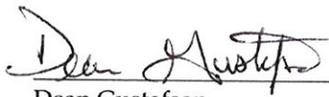
Field Numbering Sequence of Wetlands Boundary: WF1-01 to WF1-11; WF1-12/WF1-17 WF1-18 to WF1-30; WF2-01 to WF2-05; WF 2-10 to WF2-18; WF3-01 to WF3-05; WF3-06 to WF3-18; WF3-19 to WF3-23

[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/or 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

K:\41240.50\reports\wetlands\Delineation Report_032908.doc

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

Attachments

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

Wetland Delineation Field Form

Project Address:	343 Daleville Road Willington, CT	Project Number:	41240.50
Inspection Date:	March 22, 2008	Inspector:	Dean Gustafson, PSS
Wetland I.D.:	Wetland 1		

Field Conditions:	Weather: sunny, mid 40's	Snow Depth: none
	General Soil Moisture: moist	Frost Depth: none
Type of Wetland Delineation:	Connecticut <input checked="" type="checkbox"/>	
	ACOE <input type="checkbox"/>	
	Tidal <input type="checkbox"/>	
Field Numbering Sequence: WF1-01 to WF1-11; WF1-12/WF1-17; WF1-18 to WF1-30		

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 type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input checked="" 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: man-made dug channel		

SPECIAL AQUATIC HABITAT:

Vernal Pool <input type="checkbox"/>	Other <input type="checkbox"/>	
Comments: spermatophors observed in channel near WF1-28 but not classified as vernal pool habitat		

Wetland Delineation Field Form

Project Address:	343 Daleville Road Willington, CT	Project Number:	41240.50
Inspection Date:	March 22, 2008	Inspector:	Dean Gustafson, PSS
Wetland I.D.:	Wetland 2		

Field Conditions:	Weather: sunny, mid 40's	Snow Depth: none
	General Soil Moisture: moist	Frost Depth: none
Type of Wetland Delineation:	Connecticut <input checked="" type="checkbox"/>	
	ACOE <input type="checkbox"/>	
	Tidal <input type="checkbox"/>	
Field Numbering Sequence: WF2-01 to WF2-05; WF2-10 to WF2-18		

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 type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input checked="" 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: man-made pond and wetlands drain into intermittent watercourse then Mason Brook		

SPECIAL AQUATIC HABITAT:

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

Wetland Delineation Field Form

Project Address:	343 Daleville Road Willington, CT	Project Number:	41240.50
Inspection Date:	April 18, 2008	Inspector:	Dean Gustafson, PSS
Wetland I.D.:	Wetland 3		

Field Conditions:	Weather: sunny, high 60's	Snow Depth: none
	General Soil Moisture: moist	Frost Depth: none
Type of Wetland Delineation:	Connecticut <input checked="" type="checkbox"/>	
	ACOE <input type="checkbox"/>	
	Tidal <input type="checkbox"/>	
Field Numbering Sequence: WF3-01 to WF3-05; WF3-06 to WF3-18; WF3-19 to WF3-23		

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

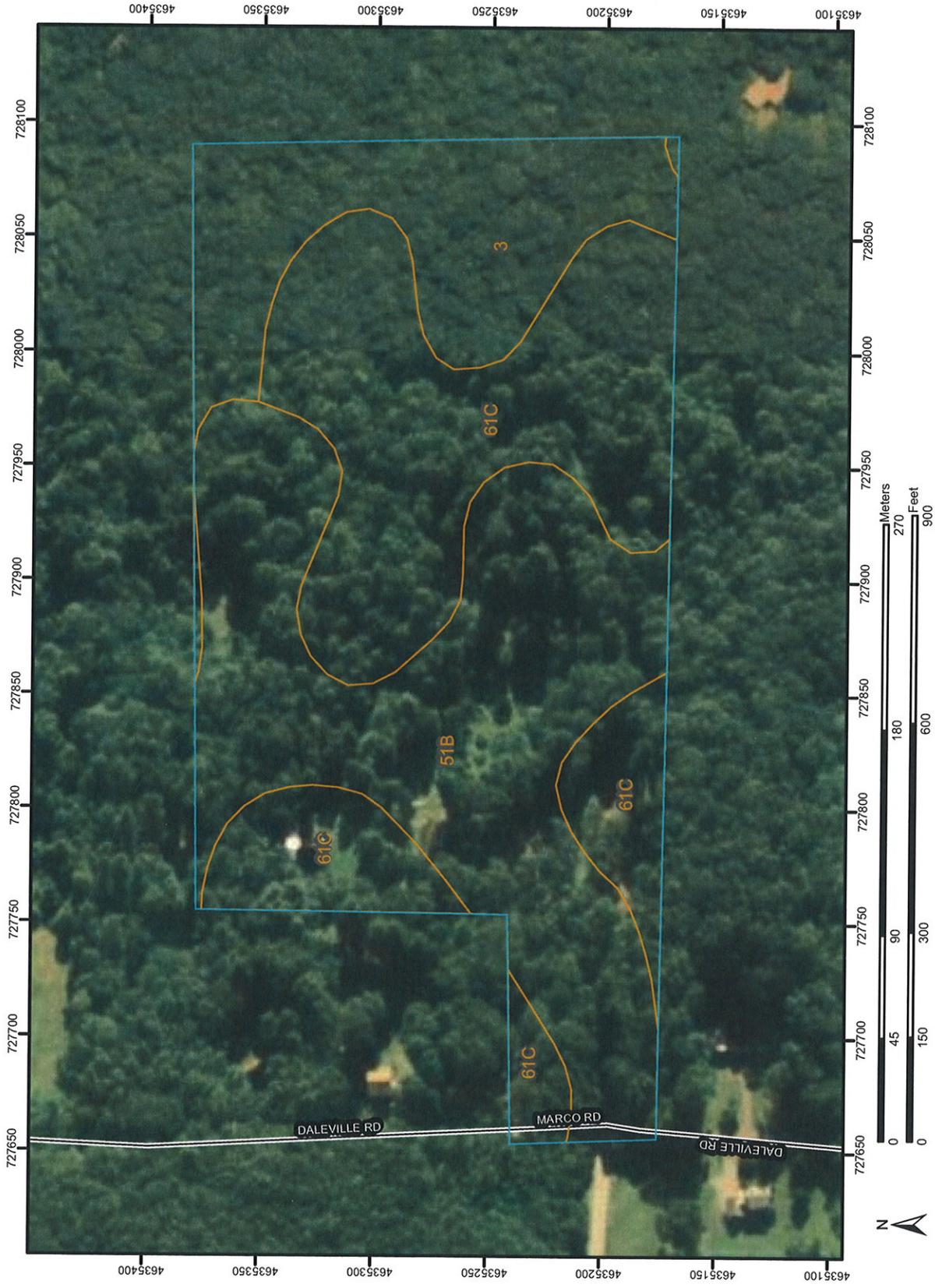
WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Comments: man-made drainage ditch feature		

SPECIAL AQUATIC HABITAT:

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

Soil Map—State of Connecticut
(Mansfield 4 Corners, 343 Daleville Road, Willington, CT)



MAP LEGEND

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

MAP INFORMATION

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

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

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: 3/31/1991

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

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	3.5	18.6%
51B	Sutton fine sandy loam, 2 to 8 percent slopes, very stony	7.8	41.0%
61C	Canton and Charlton soils, 8 to 15 percent slopes, very stony	7.7	40.4%
Totals for Area of Interest (AOI)		19.0	100.0%

Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey 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, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

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, Generated)

State of Connecticut

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

Component: Ridgebury (40%)

The Ridgebury component makes up 40 percent of the map unit. Slopes are 0 to 5 percent. This component is on drainageways on uplands, depressions on uplands. The parent material consists of coarse-loamy lodgment till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer, densic material, is 20 to 30 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 7s. This soil meets hydric criteria.

Component: Leicester (35%)

The Leicester component makes up 35 percent of the map unit. Slopes are 0 to 5 percent. This component is on drainageways on uplands, depressions on uplands. The parent material consists of coarse-loamy melt-out till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 9 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 70 percent. Nonirrigated land capability classification is 7s. This soil meets hydric criteria.

Component: Whitman (15%)

The Whitman component makes up 15 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions on uplands, drainageways on uplands. The parent material consists of coarse-loamy lodgment till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer, densic material, is 12 to 20 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is occasionally ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, October, November, December. Organic matter content in the surface horizon is about 60 percent. Nonirrigated land capability classification is 7s. This soil meets hydric criteria.

Component: Sutton (2%)

Generated brief soil descriptions are created for major components. The Sutton soil is a minor component.

Component: Unnamed, frequently flooded (2%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Component: Unnamed, steep slopes (2%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Component: Woodbridge (2%)

Generated brief soil descriptions are created for major components. The Woodbridge soil is a minor component.

Component: Unnamed, nonstony (1%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Component: Unnamed, silt loam surface (1%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Map Unit: 51B—Sutton fine sandy loam, 2 to 8 percent slopes, very stony

Component: Sutton (80%)

The Sutton component makes up 80 percent of the map unit. Slopes are 2 to 8 percent. This component is on drainageways on uplands, depressions on uplands. The parent material consists of coarse-loamy melt-out till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Charlton (5%)

Generated brief soil descriptions are created for major components. The Charlton soil is a minor component.

Component: Canton (4%)

Generated brief soil descriptions are created for major components. The Canton soil is a minor component.

Component: Leicester (3%)

Generated brief soil descriptions are created for major components. The Leicester soil is a minor component.

Component: Paxton (3%)

Generated brief soil descriptions are created for major components. The Paxton soil is a minor component.

Component: Rainbow (2%)

Generated brief soil descriptions are created for major components. The Rainbow soil is a minor component.

Component: Woodbridge (2%)

Generated brief soil descriptions are created for major components. The Woodbridge soil is a minor component.

Component: Narragansett (1%)

Generated brief soil descriptions are created for major components. The Narragansett soil is a minor component.

Map Unit: 61C—Canton and Charlton soils, 8 to 15 percent slopes, very stony

Component: Canton (45%)

The Canton component makes up 45 percent of the map unit. Slopes are 8 to 15 percent. This component is on hills on uplands. The parent material consists of coarse-loamy over sandy and gravelly melt-out till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 70 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Charlton (35%)

The Charlton component makes up 35 percent of the map unit. Slopes are 8 to 15 percent. This component is on uplands, hills. The parent material consists of coarse-loamy melt-out till derived from granite and/or schist and/or gneiss. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Chatfield (5%)

Generated brief soil descriptions are created for major components. The Chatfield soil is a minor component.

Component: Hollis (5%)

Generated brief soil descriptions are created for major components. The Hollis soil is a minor component.

Component: Leicester (5%)

Generated brief soil descriptions are created for major components. The Leicester soil is a minor component.

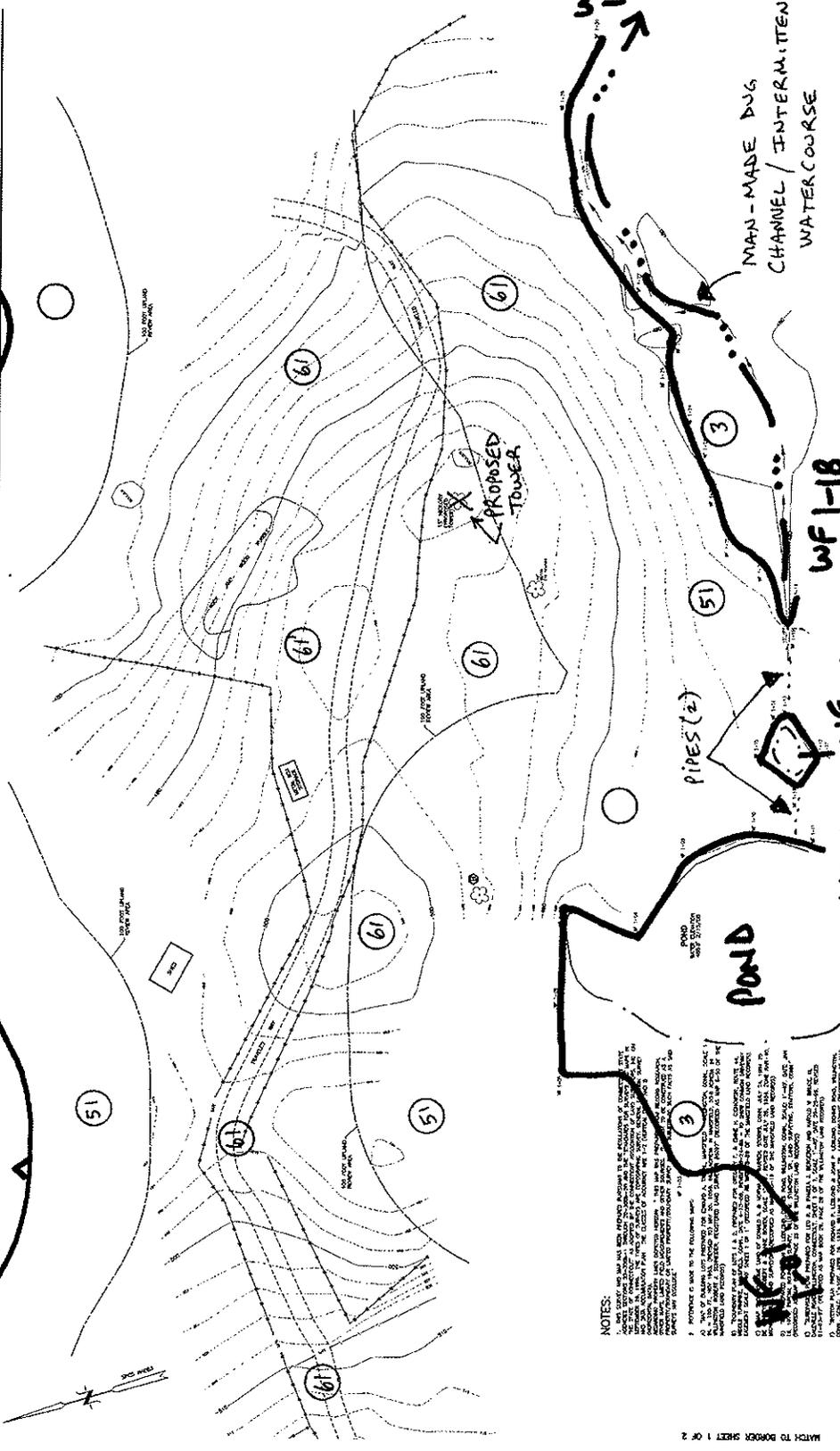
Component: Sutton (5%)

Generated brief soil descriptions are created for major components. The Sutton soil is a minor component.

Data Source Information

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

WF 2-18 (3) POND A WF 2-10 WF 2-01



NOTES:

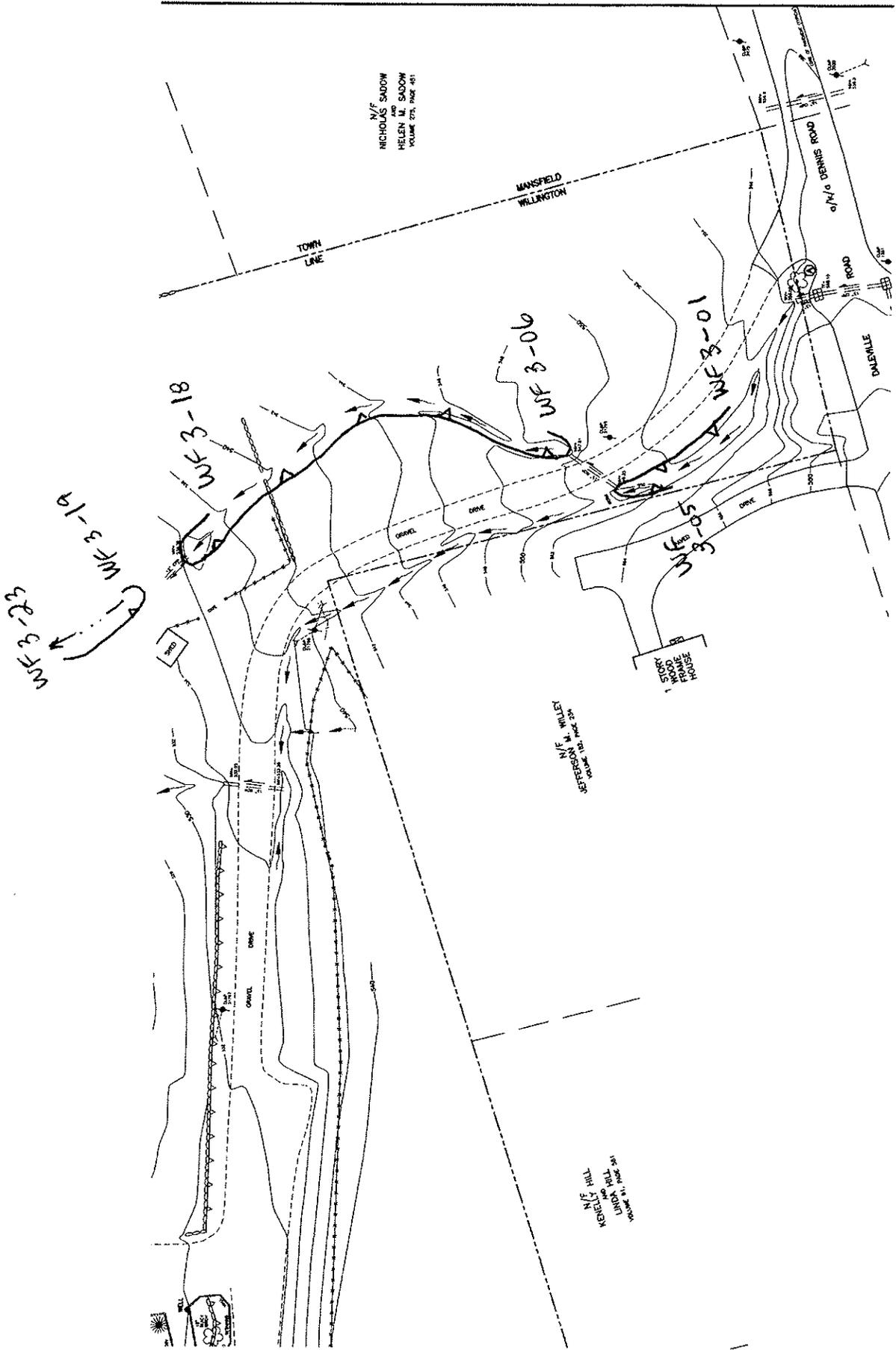
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2. THIS SKETCH MAP IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED. IT IS NOT TO BE USED AS A BASIS FOR ANY OTHER MAP OR FOR ANY OTHER PURPOSE.
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EXISTING CONTOURS MAP
 DRAWN BY
 MUREL KREUSCHER
 100 W. MAIN STREET
 WILMINGTON, CONNECTICUT
 SCALE: 1"=20' - DATE: FEBRUARY 16, 2008
 SHEET 2 OF 2

3/22/08
 DES

VANASSE HANGEN BRUSTLIN WETLAND SKETCH

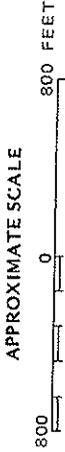
MATCH TO BORDER SHEET 1 OF 2



VANASSE HANGEN BRUSTLIN, INC.

WETLAND SKETCH

4/18/08 DEG



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

TOWN OF
WILLINGTON,
CONNECTICUT
TOLLAND COUNTY

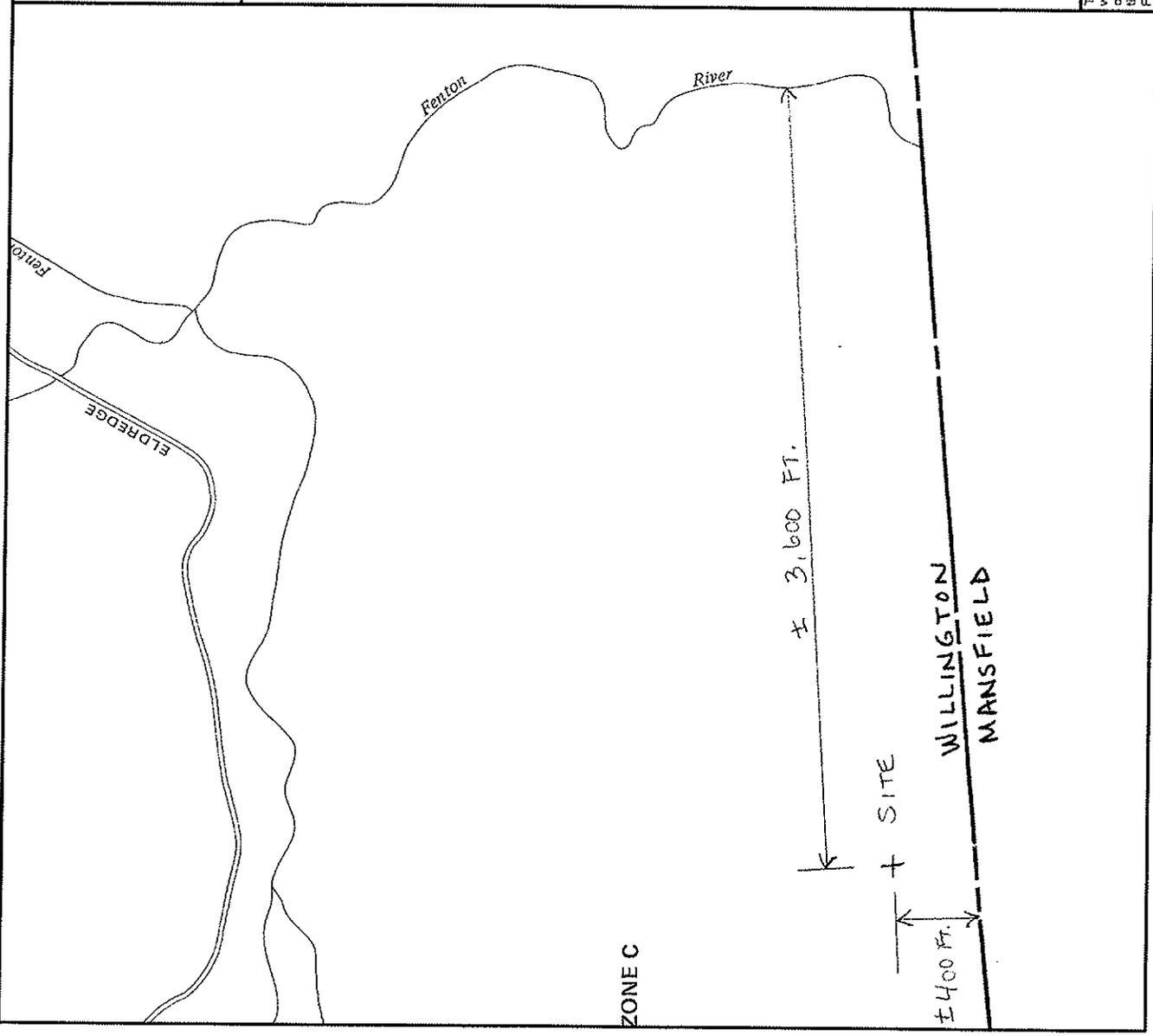
PANEL 20 OF 20
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
090159 0020 A
EFFECTIVE DATE:
JUNE 15, 1982



Federal Emergency Management Agency

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



MANSFIELD4C.SRP

* Federal Airways & Airspace *
* Summary Report *

File: MANSFIELD4C

Location: Stafford Springs, CT
Distance: 8.6 Statute Miles
Direction: 340° (true bearing)

Latitude: 41°-50'-11.05" Longitude: 72°-15'-17.85"

SITE ELEVATION AMSL.....499 ft.
STRUCTURE HEIGHT.....100 ft.
OVERALL HEIGHT AMSL.....599 ft.

NOTICE CRITERIA

- FAR 77.13(a)(1): NNR (DNE 200 ft AGL)
- FAR 77.13(a)(2): NNR (DNE Notice Slope)
- FAR 77.13(a)(3): NNR (Not a Traverse Way)
- FAR 77.13(a)(4): PNR (Circling Approach Area)
- FAR 77.13(a)(4): PNR (Straight-In Procedure. Check FAF distance for TERPS®
impact. IJD)
- FAR 77.13(a)(4): NNR (No Expected TERPS® impact 7B9)
- FAR 77.13(a)(5): NNR (Off Airport Construction)

Notice to the FAA is not required at the analyzed location and height.

- NR = Notice Required
- NNR = Notice Not Required
- PNR = Possible Notice Required

OBSTRUCTION STANDARDS

- FAR 77.23(a)(1): DNE 500 ft AGL
- FAR 77.23(a)(2): DNE - Airport Surface
- FAR 77.25(a): DNE - Horizontal Surface
- FAR 77.25(b): DNE - Conical Surface
- FAR 77.25(c): DNE - Primary Surface
- FAR 77.25(d): DNE - Approach Surface
- FAR 77.25(e): DNE - Transitional Surface

VFR TRAFFIC PATTERN AIRSPACE FOR: IJD: WINDHAM

- Type: AIR RD: 37889 RB: 148.81 RE: 235
- FAR 77.23(a)(1): DNE
- FAR 77.23(a)(2): DNE - Greater Than 6 NM.
- VFR Horizontal Surface: DNE
- VFR Conical Surface: DNE
- VFR Approach Slope: DNE
- VFR Transitional Slope: DNE

VFR TRAFFIC PATTERN AIRSPACE FOR: 7B9: ELLINGTON

- Type: AIR RD: 63405 RB: 300.6 RE: 265
- FAR 77.23(a)(1): DNE
- FAR 77.23(a)(2): Does Not Apply.
- VFR Horizontal Surface: DNE
- VFR Conical Surface: DNE
- VFR Approach Slope: DNE
- VFR Transitional Slope: DNE

TERPS DEPARTURE PROCEDURE (FAA Order 8260.3, Volume 4)

- FAR 77.23(a)(3) Departure Surface Criteria (40:1)
- DNE Departure Surface

MANSFIELD4C.SRP

MINIMUM OBSTACLE CLEARANCE ALTITUDE (MOCA)
FAR 77.23(a)(4) MOCA Altitude Enroute Criteria
The Maximum Height Permitted is 2000 ft AMSL

PRIVATE LANDING FACILITIES
No Private Landing Facilities Are Within 6 NM

AIR NAVIGATION ELECTRONIC FACILITIES
No Electronic Facilities Are Within 25,000 ft

FCC AM PROOF-OF-PERFORMANCE
NOT REQUIRED: Structure is not near a FCC licensed AM
radio station Proof-of-Performance is not required.
Please review AM Station Report for details.

Nearest AM Station: WILI @ 14551 meters.

Airspace® Summary Version 2008.3

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05-14-2008
14:25:36

LAND LEASE AGREEMENT

This Agreement, made this 7th day of ~~January, 2007~~²⁰⁰⁸, between Muriel Kreuzscher, f/k/a Muriel Todd residing at 343 Daleville Road, Willington, CT, Tax ID # hereinafter designated LESSOR and Cellco Partnership, a Delaware general partnership, d/b/a Verizon Wireless, with its principal office located at One Verizon Way, Basking Ridge, Mail Stop 4AW100, New Jersey 07920, hereinafter designated LESSEE. The LESSOR and LESSEE are at times collectively referred to hereinafter as the "Parties" or individually as the "Party".

1. PREMISES. LESSOR hereby leases to LESSEE a portion of that certain parcel of property (the entirety of LESSOR's property is referred to hereinafter as the Property), located at 343 Daleville Road, Willington, CT, and being described as a 80' by 80' parcel containing 6400 square feet (the "Land Space"), together with the non-exclusive right (the "Rights of Way") for ingress and egress, seven (7) days a week twenty-four (24) hours a day, on foot or motor vehicle, including trucks over or along a thirty (30') foot wide right-of-way extending from the nearest public right-of-way, Daleville Road, to the Land Space, and for the installation and maintenance of utility wires, poles, cables, conduits, and pipes over, under, or along one or more rights of way from the Land Space, said Land Space and Rights of Way (hereinafter collectively referred to as the "Premises") being substantially as described herein in Exhibit "A" attached hereto and made a part hereof. The Property is also shown on the Tax Map of the Town of Willington as Map 2, Lot 5 and is further described in Deed Book 89 at Page 941 as recorded in the Town of Willington Land Records.

In the event any public utility is unable to use the Rights of Way, the LESSOR hereby agrees to grant an additional right-of-way either to the LESSEE or to the public utility at no cost to the LESSEE.

2. SURVEY. LESSOR also hereby grants to LESSEE the right to survey the Property and the Premises, and said survey shall then become Exhibit "B" which shall be attached hereto and made a part hereof, and shall control in the event of boundary and access discrepancies between it and Exhibit "A". Cost for such work shall be borne by the LESSEE.

3. TERM. This Agreement shall be effective as of the date of execution by both Parties, provided, however, the initial term shall be for five (5) years and shall commence on the Commencement Date (as hereinafter defined) at which time rental payments shall commence and be due at a total annual rental of [REDACTED] to be paid in equal monthly installments on the first day of the month, in advance, to Muriel Kreuzscher or to such other person, firm or place as LESSOR may, from time to time, designate in writing at least thirty (30) days in advance of any rental payment date by notice given in accordance with Paragraph 23 below. Upon agreement of the Parties, LESSEE may pay rent by electronic funds transfer and in such event, LESSOR agrees to provide to LESSEE bank routing information for such purpose upon request of LESSEE. The Agreement shall commence based upon the date LESSEE is

granted a building permit by the governmental agency charged with issuing such permits, or the date of execution of the Agreement by both parties, whichever is later but in no event later than twelve (12) months after full execution of this Agreement by both parties. In the event the date LESSEE is granted a building permit, full execution of the Agreement or twelve (12) months after full execution of the Agreement, whichever is applicable, falls between the 1st and 15th of the month, the Agreement shall commence on the 1st of that month and if the date installation commences falls between the 16th and 31st of the month, then the Agreement shall commence on the 1st day of the following month (either the "Commencement Date").

4. EXTENSIONS. This Agreement shall automatically be extended for four (4) additional five (5) year terms unless LESSEE terminates it at the end of the then current term by giving LESSOR written notice of the intent to terminate at least six (6) months prior to the end of the then current term.

5. EXTENSION RENTALS. The annual rental for the first (1st) five (5) year extension term shall be increased to [REDACTED] the annual rental for the second (2nd) five (5) year extension term shall be increased to [REDACTED] the annual rental for the third (3rd) five (5) year extension term shall be increased to [REDACTED] and the annual rental for the fourth (4th) five (5) year extension term shall be increased to [REDACTED]

6. ADDITIONAL EXTENSIONS. If at the end of the fourth (4th) five (5) year extension term this Agreement has not been terminated by either Party by giving to the other written notice of an intention to terminate it at least three (3) months prior to the end of such term, this Agreement shall continue in force upon the same covenants, terms and conditions for a further term of five (5) years and for five (5) year terms thereafter until terminated by either Party by giving to the other written notice of its intention to so terminate at least three (3) months prior to the end of such term. Annual rental for each such additional five (5) year term shall be equal to [REDACTED] of the annual rental payable with respect to the immediately preceding five (5) year term. The initial term and all extensions shall be collectively referred to herein as the "Term".

7. USE; GOVERNMENTAL APPROVALS. LESSEE shall use the Premises for the purpose of constructing, maintaining, repairing and operating a communications facility and uses incidental thereto. A security fence consisting of chain link construction or similar but comparable construction may be placed around the perimeter of the Premises at the discretion of LESSEE (not including the access easement). All improvements, equipment, antennas and conduits shall be at LESSEE's expense and their installation shall be at the discretion and option of LESSEE. LESSEE shall have the right to replace, repair, add or otherwise modify its utilities, equipment, antennas and/or conduits or any portion thereof and the frequencies over which the equipment operates, whether the equipment, antennas, conduits or frequencies are specified or not on any exhibit attached hereto, during the Term. It is understood and agreed that LESSEE's ability to use the Premises is contingent upon its obtaining after the execution date of this Agreement all of the certificates, permits and other approvals (collectively the "Governmental Approvals") that may be

required by any Federal, State or Local authorities as well as satisfactory soil boring tests which will permit LESSEE use of the Premises as set forth above. LESSOR shall cooperate with LESSEE in its effort to obtain such approvals and shall take no action which would adversely affect the status of the Property with respect to the proposed use thereof by LESSEE. In the event that (i) any of such applications for such Governmental Approvals should be finally rejected; (ii) any Governmental Approval issued to LESSEE is canceled, expires, lapses, or is otherwise withdrawn or terminated by governmental authority; (iii) LESSEE determines that such Governmental Approvals may not be obtained in a timely manner; (iv) LESSEE determines that any soil boring tests are unsatisfactory; (v) LESSEE determines that the Premises is no longer technically compatible for its use, or (vi) LESSEE, in its sole discretion, determines that it will be unable to use the Premises for its intended purposes, LESSEE shall have the right to terminate this Agreement. Notice of LESSEE's exercise of its right to terminate shall be given to LESSOR in writing by certified mail, return receipt requested, and shall be effective upon the mailing of such notice by LESSEE, or upon such later date as designated by LESSEE. All rentals paid to said termination date shall be retained by LESSOR. Upon such termination, this Agreement shall be of no further force or effect except to the extent of the representations, warranties and indemnities made by each Party to the other hereunder. Otherwise, the LESSEE shall have no further obligations for the payment of rent to LESSOR.

8. INDEMNIFICATION. Subject to Paragraph 9 below, each Party shall indemnify and hold the other harmless against any claim of liability or loss from personal injury or property damage resulting from or arising out of the negligence or willful misconduct of the indemnifying Party, its employees, contractors or agents, except to the extent such claims or damages may be due to or caused by the negligence or willful misconduct of the other Party, or its employees, contractors or agents.

9. INSURANCE.

a. The Parties hereby waive and release any and all rights of action for negligence against the other which may hereafter arise on account of damage to the Premises or to the Property, resulting from any fire, or other casualty of the kind covered by standard fire insurance policies with extended coverage, regardless of whether or not, or in what amounts, such insurance is now or hereafter carried by the Parties, or either of them. These waivers and releases shall apply between the Parties and they shall also apply to any claims under or through either Party as a result of any asserted right of subrogation. All such policies of insurance obtained by either Party concerning the Premises or the Property shall waive the insurer's right of subrogation against the other Party.

b. LESSOR and LESSEE each agree that at its own cost and expense, each will maintain commercial general liability insurance with limits not less than \$1,000,000 for injury to or death of one or more persons in any one occurrence and \$500,000 for damage or destruction to property in any one occurrence. LESSOR and LESSEE each agree that it will include the other Party as an additional insured.

10. LIMITATION OF LIABILITY. Except for indemnification pursuant to paragraphs 8 and 28, neither Party shall be liable to the other, or any of their respective agents,

representatives, employees for any lost revenue, lost profits, loss of technology, rights or services, incidental, punitive, indirect, special or consequential damages, loss of data, or interruption or loss of use of service, even if advised of the possibility of such damages, whether under theory of contract, tort (including negligence), strict liability or otherwise.

11. ANNUAL TERMINATION. Notwithstanding anything to the contrary contained herein, provided LESSEE is not in default hereunder beyond applicable notice and cure periods, LESSEE shall have the right to terminate this Agreement upon the annual anniversary of the Commencement Date provided that [REDACTED] prior notice is given to LESSOR.

12. INTERFERENCE. LESSEE agrees to install equipment of the type and frequency which will not cause harmful interference which is measurable in accordance with then existing industry standards to any equipment of LESSOR or other lessees of the Property which existed on the Property prior to the date this Agreement is executed by the Parties. In the event any after-installed LESSEE's equipment causes such interference, and after LESSOR has notified LESSEE in writing of such interference, LESSEE will take all commercially reasonable steps necessary to correct and eliminate the interference, including but not limited to, at LESSEE's option, powering down such equipment and later powering up such equipment for intermittent testing. In no event will LESSOR be entitled to terminate this Agreement or relocate the equipment as long as LESSEE is making a good faith effort to remedy the interference issue. LESSOR agrees that LESSOR and/or any other tenants of the Property who currently have or in the future take possession of the Property will be permitted to install only such equipment that is of the type and frequency which will not cause harmful interference which is measurable in accordance with then existing industry standards to the then existing equipment of LESSEE. The Parties acknowledge that there will not be an adequate remedy at law for noncompliance with the provisions of this Paragraph and therefore, either Party shall have the right to equitable remedies, such as, without limitation, injunctive relief and specific performance.

13. REMOVAL AT END OF TERM. LESSEE shall, upon expiration of the Term, or within ninety (90) days after any earlier termination of the Agreement, remove its building(s), antenna structure(s) (except footings), equipment, conduits, fixtures and all personal property and restore the Premises to its original condition, reasonable wear and tear and casualty damage excepted. LESSOR agrees and acknowledges that all of the equipment, conduits, fixtures and personal property of LESSEE shall remain the personal property of LESSEE and LESSEE shall have the right to remove the same at any time during the Term, whether or not said items are considered fixtures and attachments to real property under applicable Laws (as defined in Paragraph 32 below). If such time for removal causes LESSEE to remain on the Premises after termination of this Agreement, LESSEE shall pay rent at the then existing monthly rate or on the existing monthly pro-rata basis if based upon a longer payment term, until such time as the removal of the building, antenna structure, fixtures and all personal property are completed.

14. HOLDOVER. LESSEE has no right to retain possession of the Premises or any part thereof beyond the expiration of that removal period set forth in Paragraph 13 herein, unless the Parties are negotiating a new lease or lease extension in good faith. In the event that the Parties are not in the process of negotiating a new lease or lease extension in good faith, LESSEE holds

over in violation of Paragraph 13 and this Paragraph 14, then the rent then in effect payable from and after the time of the expiration or earlier removal period set forth in Paragraph 13 shall be increased to [REDACTED] of the rent applicable during the month immediately preceding such expiration or earlier termination.

15. RIGHT OF FIRST REFUSAL. If LESSOR elects, during the Term (i) to sell or otherwise transfer all or any portion of the Property, whether separately or as part of a larger parcel of which the Property is a part, or (ii) grant to a third party by easement or other legal instrument an interest in and to that portion of the Property occupied by LESSEE, or a larger portion thereof, for the purpose of operating and maintaining communications facilities or the management thereof, with or without an assignment of this Agreement to such third party, LESSEE shall have the right of first refusal to meet any bona fide offer of sale or transfer on the same terms and conditions of such offer. If LESSEE fails to meet such bona fide offer within thirty (30) days after written notice thereof from LESSOR, LESSOR may sell or grant the easement or interest in the Property or portion thereof to such third person in accordance with the terms and conditions of such third party offer. For purposes of this Paragraph, any transfer, bequest or devise of LESSOR's interest in the Property as a result of the death of LESSOR, whether by will or intestate succession, or transfer by gift in whole or in part shall not be considered a sale of the Property for which LESSEE has any right of first refusal. In the event Lessee exercises its rights under this Paragraph 15, Lessee shall pay the additional sum of Five Thousand (\$5,000.00) Dollars to Lessor.

16. RIGHTS UPON SALE. Should LESSOR, at any time during the Term decide (i) to sell or transfer all or any part of the Property to a purchaser other than LESSEE, or (ii) to grant to a third party by easement or other legal instrument an interest in and to that portion of the Property occupied by LESSEE, or a larger portion thereof, for the purpose of operating and maintaining communications facilities or the management thereof, such sale or grant of an easement or interest therein shall be under and subject to this Agreement and any such purchaser or transferee shall recognize LESSEE's rights hereunder under the terms of this Agreement.

17. QUIET ENJOYMENT. LESSOR covenants that LESSEE, on paying the rent and performing the covenants herein, shall peaceably and quietly have, hold and enjoy the Premises.

18. TITLE. LESSOR represents and warrants to LESSEE as of the execution date of this Agreement, and covenants during the Term that LESSOR is seized of good and sufficient title and interest to the Property and has full authority to enter into and execute this Agreement. LESSOR further covenants during the Term that there are no liens, judgments or impediments of title on the Property, or affecting LESSOR's title to the same and that there are no covenants, easements or restrictions which prevent or adversely affect the use or occupancy of the Premises by LESSEE as set forth above.

19. INTEGRATION. It is agreed and understood that this Agreement contains all agreements, promises and understandings between LESSOR and LESSEE and that no verbal or oral agreements, promises or understandings shall be binding upon either LESSOR or LESSEE

in any dispute, controversy or proceeding at law, and any addition, variation or modification to this Agreement shall be void and ineffective unless made in writing signed by the Parties or in a written acknowledgment in the case provided in Paragraph 3. In the event any provision of the Agreement is found to be invalid or unenforceable, such finding shall not affect the validity and enforceability of the remaining provisions of this Agreement. The failure of either Party to insist upon strict performance of any of the terms or conditions of this Agreement or to exercise any of its rights under the Agreement shall not waive such rights and such Party shall have the right to enforce such rights at any time and take such action as may be lawful and authorized under this Agreement, in law or in equity.

20. GOVERNING LAW. This Agreement and the performance thereof shall be governed, interpreted, construed and regulated by the Laws of the State in which the Property is located.

21. ASSIGNMENT. This Agreement may be sold, assigned or transferred by the LESSEE without any approval or consent of the LESSOR to the LESSEE's principal, affiliates, subsidiaries of its principal or to any entity which acquires all or substantially all of LESSEE's assets in the market defined by the Federal Communications Commission in which the Property is located by reason of a merger, acquisition or other business reorganization. As to other parties, this Agreement may not be sold, assigned or transferred without the written consent of the LESSOR, which such consent will not be unreasonably withheld, delayed or conditioned. No change of stock ownership, partnership interest or control of LESSEE or transfer upon partnership or corporate dissolution of LESSEE shall constitute an assignment hereunder. LESSEE may sublet the Premises within its sole discretion, upon notice to LESSOR. Any sublease that is entered into by LESSEE shall be subject to the provisions of this Agreement and shall be binding upon the successors, assigns, heirs and legal representatives of the respective Parties hereto.

22. NOTICES. All notices hereunder must be in writing and shall be deemed validly given if sent by certified mail, return receipt requested or by commercial courier, provided the courier's regular business is delivery service and provided further that it guarantees delivery to the addressee by the end of the next business day following the courier's receipt from the sender, addressed as follows (or any other address that the Party to be notified may have designated to the sender by like notice):

LESSOR: Muriel Kreuzscher
343 Daleville Road
Willington, CT 06279

LESSEE: Cellco Partnership
d/b/a Verizon Wireless
180 Washington Valley Road
Bedminster, New Jersey 07921
Attention: Network Real Estate

Notice shall be effective upon actual receipt or refusal as shown on the receipt obtained pursuant to the foregoing.

23. SUCCESSORS. This Agreement shall extend to and bind the heirs, personal representative, successors and assigns of the Parties hereto.

24. SUBORDINATION AND NON-DISTURBANCE. At LESSOR's option, this Agreement shall be subordinate to any mortgage or other security interest by LESSOR which from time to time may encumber all or part of the Property or right-of-way; provided, however, every such mortgage or other security interest shall recognize the validity of this Agreement in the event of a foreclosure of LESSOR's interest and also LESSEE's right to remain in occupancy of and have access to the Premises as long as LESSEE is not in default of this Agreement. LESSEE shall execute whatever instruments may reasonably be required to evidence this subordination clause. In the event the Property is encumbered by a mortgage or other security interest, the LESSOR immediately after this Agreement is executed, will obtain and furnish to LESSEE, a non-disturbance agreement for each such mortgage or other security interest in recordable form. In the event the LESSOR defaults in the payment and/or other performance of any mortgage or other security interest encumbering the Property, LESSEE, may, at its sole option and without obligation, cure or correct LESSOR's default and upon doing so, LESSEE shall be subrogated to any and all rights, titles, liens and equities of the holders of such mortgage or security interest and the LESSEE shall be entitled to deduct and setoff against all rents that may otherwise become due under this Agreement the sums paid by LESSEE to cure or correct such defaults.

25. RECORDING. LESSOR agrees to execute a Memorandum of this Agreement which LESSEE may record with the appropriate recording officer. The date set forth in the Memorandum of Lease is for recording purposes only and bears no reference to commencement of either the Term or rent payments.

26. DEFAULT.

a. In the event there is a breach by LESSEE with respect to any of the provisions of this Agreement or its obligations under it, including the payment of rent, LESSOR shall give LESSEE written notice of such breach. After receipt of such written notice, LESSEE shall have fifteen (15) days in which to cure any monetary breach and thirty (30) days in which to cure any non-monetary breach, provided LESSEE shall have such extended period as may be required beyond the thirty (30) days if the nature of the cure is such that it reasonably requires more than thirty (30) days and LESSEE commences the cure within the thirty (30) day period and thereafter continuously and diligently pursues the cure to completion. LESSOR may not maintain any action or effect any remedies for default against LESSEE unless and until LESSEE has failed to cure the breach within the time periods provided in this Paragraph.

b. In the event there is a breach by LESSOR with respect to any of the provisions of this Agreement or its obligations under it, LESSEE shall give LESSOR written notice of such breach. After receipt of such written notice, LESSOR shall have thirty (30) days in which to cure any such breach, provided LESSOR shall have such extended period as may be required beyond the thirty (30) days if the nature of the cure is such that it reasonably requires more than thirty (30) days and LESSOR commences the cure within the thirty (30) day period and thereafter continuously and diligently pursues the cure to completion. LESSEE may not

maintain any action or effect any remedies for default against LESSOR unless and until LESSOR has failed to cure the breach within the time periods provided in this Paragraph. Notwithstanding the foregoing to the contrary, it shall be a default under this Agreement if LESSOR fails, within five (5) days after receipt of written notice of such breach, to perform an obligation required to be performed by LESSOR if the failure to perform such an obligation interferes with LESSEE's ability to conduct its business on the Property; provided, however, that if the nature of LESSOR's obligation is such that more than five (5) days after such notice is reasonably required for its performance, then it shall not be a default under this Agreement if performance is commenced within such five (5) day period and thereafter diligently pursued to completion.

27. REMEDIES. Upon a default, the non-defaulting Party may at its option (but without obligation to do so), perform the defaulting Party's duty or obligation on the defaulting Party's behalf, including but not limited to the obtaining of reasonably required insurance policies. The costs and expenses of any such performance by the non-defaulting Party shall be due and payable by the defaulting Party upon invoice therefor. In the event of a default by either Party with respect to a material provision of this Agreement, without limiting the non-defaulting Party in the exercise of any right or remedy which the non-defaulting Party may have by reason of such default, the non-defaulting Party may terminate the Agreement and/or pursue any remedy now or hereafter available to the non-defaulting Party under the Laws or judicial decisions of the state in which the Premises are located; provided, however, LESSOR shall use reasonable efforts to mitigate its damages in connection with a default by LESSEE. If LESSEE so performs any of LESSOR's obligations hereunder, the full amount of the reasonable and actual cost and expense incurred by LESSEE shall immediately be owing by LESSOR to LESSEE, and LESSOR shall pay to LESSEE upon demand the full undisputed amount thereof with interest thereon from the date of payment at the greater of (i) ten percent (10%) per annum, or (ii) the highest rate permitted by applicable Laws. Notwithstanding the foregoing, if LESSOR does not pay LESSEE the full undisputed amount within thirty (30) days of its receipt of an invoice setting forth the amount due from LESSOR, LESSEE may offset the full undisputed amount, including all accrued interest, due against all fees due and owing to LESSOR until the full undisputed amount, including all accrued interest, is fully reimbursed to LESSEE.

28. ENVIRONMENTAL.

a. LESSOR will be responsible for all obligations of compliance with any and all environmental and industrial hygiene laws, including any regulations, guidelines, standards, or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene conditions or concerns as may now or at any time hereafter be in effect, that are or were in any way related to activity now conducted in, on, or in any way related to the Property, unless such conditions or concerns are caused by the specific activities of LESSEE in the Premises.

b. LESSOR shall hold LESSEE harmless and indemnify LESSEE from and assume all duties, responsibility and liability at LESSOR's sole cost and expense, for all duties, responsibilities, and liability (for payment of penalties, sanctions, forfeitures, losses, costs, or damages) and for responding to any action, notice, claim, order, summons, citation, directive,

litigation, investigation or proceeding which is in any way related to: a) failure to comply with any environmental or industrial hygiene law, including without limitation any regulations, guidelines, standards, or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene concerns or conditions as may now or at any time hereafter be in effect, unless such non-compliance results from conditions caused by LESSEE; and b) any environmental or industrial hygiene conditions arising out of or in any way related to the condition of the Property or activities conducted thereon, unless such environmental conditions are caused by LESSEE.

c. LESSEE shall hold LESSOR harmless and indemnify LESSEE from and assume all duties, responsibility and liability at LESSOR's sole cost and expense, for all duties, responsibilities, and liability (for payment of penalties, sanctions, forfeitures, losses, costs, or damages) and for responding to any action, notice, claim, order, summons, citation, directive, litigation, investigation or proceeding which is in any way related to: a) failure to comply with any environmental or industrial hygiene law, including without limitation any regulations, guidelines, standards, or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene concerns or conditions as may now or at any time hereafter be in effect, unless such non-compliance results from conditions caused by LESSOR; and b) any environmental or industrial hygiene conditions arising out of or in any way related to the condition of the Premises or activities conducted thereon, unless such environmental conditions are caused by LESSOR.

29. CASUALTY. In the event of damage by fire or other casualty to the Premises that cannot reasonably be expected to be repaired within forty-five (45) days following same or, if the Property is damaged by fire or other casualty so that such damage may reasonably be expected to disrupt LESSEE's operations at the Premises for more than forty-five (45) days, then LESSEE may, at any time following such fire or other casualty, provided LESSOR has not completed the restoration required to permit LESSEE to resume its operation at the Premises, terminate this Agreement upon fifteen (15) days prior written notice to LESSOR. Any such notice of termination shall cause this Agreement to expire with the same force and effect as though the date set forth in such notice were the date originally set as the expiration date of this Agreement and the Parties shall make an appropriate adjustment, as of such termination date, with respect to payments due to the other under this Agreement. Notwithstanding the foregoing, the rent shall abate during the period of repair following such fire or other casualty in proportion to the degree to which LESSEE's use of the Premises is impaired.

30. CONDEMNATION. In the event of any condemnation of all or any portion of the Property, this Agreement shall terminate as to the part so taken as of the date the condemning authority takes title or possession, whichever occurs first. If as a result of a partial condemnation of the Premises or Property, LESSEE, in LESSEE's sole discretion, is unable to use the Premises for the purposes intended hereunder, or if such condemnation may reasonably be expected to disrupt LESSEE's operations at the Premises for more than forty-five (45) days, LESSEE may, at LESSEE's option, to be exercised in writing within fifteen (15) days after LESSOR shall have given LESSEE written notice of such taking (or in the absence of such notice, within fifteen (15)

days after the condemning authority shall have taken possession) terminate this Agreement as of the date the condemning authority takes such possession. LESSEE may on its own behalf make a claim in any condemnation proceeding involving the Premises for losses related to the equipment, conduits, fixtures, its relocation costs and its damages and losses (but not for the loss of its leasehold interest). Any such notice of termination shall cause this Agreement to expire with the same force and effect as though the date set forth in such notice were the date originally set as the expiration date of this Agreement and the Parties shall make an appropriate adjustment as of such termination date with respect to payments due to the other under this Agreement. If LESSEE does not terminate this Agreement in accordance with the foregoing, this Agreement shall remain in full force and effect as to the portion of the Premises remaining, except that the rent shall be reduced in the same proportion as the rentable area of the Premises taken bears to the total rentable area of the Premises. In the event that this Agreement is not terminated by reason of such condemnation, LESSOR shall promptly repair any damage to the Premises caused by such condemning authority.

31. SUBMISSION OF AGREEMENT/PARTIAL INVALIDITY/AUTHORITY. The submission of this Agreement for examination does not constitute an offer to lease the Premises and this Agreement becomes effective only upon the full execution of this Agreement by the Parties. If any provision herein is invalid, it shall be considered deleted from this Agreement and shall not invalidate the remaining provisions of this Agreement. Each of the Parties hereto warrants to the other that the person or persons executing this Agreement on behalf of such Party has the full right, power and authority to enter into and execute this Agreement on such Party's behalf and that no consent from any other person or entity is necessary as a condition precedent to the legal effect of this Agreement.

32. APPLICABLE LAWS. During the Term, LESSOR shall maintain the Property in compliance with all applicable laws, rules, regulations, ordinances, directives, covenants, easements, zoning and land use regulations, and restrictions of record, permits, building codes, and the requirements of any applicable fire insurance underwriter or rating bureau, now in effect or which may hereafter come into effect (including, without limitation, the Americans with Disabilities Act and laws regulating hazardous substances) (collectively "Laws"). LESSEE shall, in respect to the condition of the Premises and at LESSEE's sole cost and expense, comply with (a) all Laws relating solely to LESSEE's specific and unique nature of use of the Premises (other than general office use); and (b) all building codes requiring modifications to the Premises due to the improvements being made by LESSEE in the Premises.

33. SURVIVAL. The provisions of the Agreement relating to indemnification from one Party to the other Party shall survive any termination or expiration of this Agreement. Additionally, any provisions of this Agreement which require performance subsequent to the termination or expiration of this Agreement shall also survive such termination or expiration.

34. CAPTIONS. The captions contained in this Agreement are inserted for convenience only and are not intended to be part of the Agreement. They shall not affect or be utilized in the construction or interpretation of the Agreement.

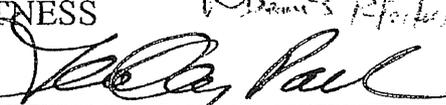
35. SUBLEASING. LESSEE may sublease any portion of the Premises at its sole discretion, upon notice to LESSOR. Any sublease that is entered into by LESSEE shall be subject to the provisions of this Agreement and shall be binding upon the successors, assigns, heirs and legal representatives of the respective parties hereto. The term "Sublease", "Sublet", "Sublessee" and any other similar term shall apply to any situation by which LESSEE allows a third party use of the Premises for co-location, whether it be by formal sublease, license or other agreement. All rights and responsibilities of LESSEE set forth in this Agreement shall be enjoyed by and binding on any Sublessee.

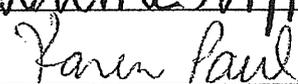
(a) In the event LESSEE subleases any portion of the Premises, in accordance with this Agreement, any rental paid by any Sublessee(s) shall be divided between the LESSOR and the LESSEE in the following manner: [REDACTED] Any Sublessee shall be instructed to pay the foregoing percentage amounts directly to the LESSOR and the LESSEE. The LESSEE shall include a provision in each sublease agreement that any rent fees be divided as detailed herein. Lessee shall not be responsible to the LESSOR for the collection or payment of rents by the Sublessee to the LESSOR, and the LESSEE shall have no liability to the LESSOR in the event of failure of payment by Sublessee.

(b) It is understood and agreed by the Parties that the foregoing rental percentage amounts shall only apply if the LESSEE is able to accommodate all of Sublessee's facilities within LESSEE's Property. If the LESSEE is unable to accommodate any or part of Sublessee's facilities within the Property, then LESSOR may enter into an agreement with the Sublessee for a portion of the property that Sublessee requires to locate its facilities. In this event, LESSEE shall receive [REDACTED] of the rental for that portion of the facilities that are located within the limits of the Property and LESSOR shall receive [REDACTED] of the rental, negotiated by the LESSOR and Sublessee, for the portion of Sublessee's facilities that are located on the property outside LESSEE's Premises.

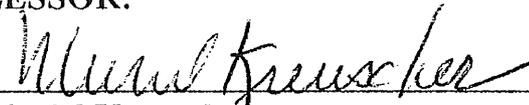
(c) Notwithstanding any other provision of this Agreement, the LESSEE shall not be required to obtain approval from the LESSOR for the Subletting of the Property or part thereof. The LESSEE shall have the sole right to determine whether it will Sublet any portion of the Property or whether it will sublease to any specific Sublessee.

IN WITNESS WHEREOF, the Parties hereto have set their hands and affixed their respective seals the day and year first above written.


WITNESS

TIMOTHY HAYS


WITNESS

FAREN PAUL

LESSOR:


Muriel Kreuscher

LESSEE: Cellco Partnership, a Delaware general partnership, d/b/a Verizon Wireless

By: 
David R. Heverling

Its: Network Vice President

Northeast Area
1708

Exhibit "A"

(Sketch of Premises within Property)



EXISTING
PROPERTY
LINES
(APPROXIMATE)
(TYP)

EXISTING
BARN

EXISTING GATE TO BE
REPLACED WITH LANDLORD
APPROVED "HORSE GATE"

APPROXIMATE LOCATION
OF PROPOSED LESSEE'S
100'x100'
LEASE AREA
10,000 SQ. FT.



PROPOSED 30'
WIDE ACCESS
AND UTILITY
EASEMENT

EXISTING
BUILDINGS
(TYP)

DALEVILLE RD

US ROUTE 44
(BOSTON TRPKY)

APPROXIMATE CENTER OF
TOWER COORDINATES:

LOCATION
41° 50' 11.4" N
72° 15' 17.9" W

TAKEN WITH HAND HELD GPS

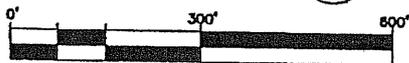
NOTES:

1. DRAWING IS SCHEMATIC. FINAL EQUIPMENT LOCATIONS, UTILITY ROUTING, ANTENNA TYPES, AND ANTENNA AZIMUTHS WILL BE FINALIZED UPON COMPLETION OF DESIGN.
2. THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.
3. ALL EXISTING INFORMATION IS APPROXIMATED FROM AERIAL PHOTOGRAPHS AND TAX MAPS.

PARTIAL SITE PLAN

SCALE: 1"=300'-0"

1



Dewberry-Goodkind, Inc.
59 ELM STREET
SUITE 101
NEW HAVEN, CT 06510
203.776.2277 PHONE
203.776.2288 FAX

Engineers
Planners
Surveyors

LEASE
EXHIBIT

DGI PROJECT#: 50008047
CELLCO PROJECT#: 2005137329

Cellco Partnership

CELLCO LOCATION CODE:
169109

NOT FOR CONSTRUCTION

REVISION NO.: B

SITE ADDRESS:

SHEET NO.

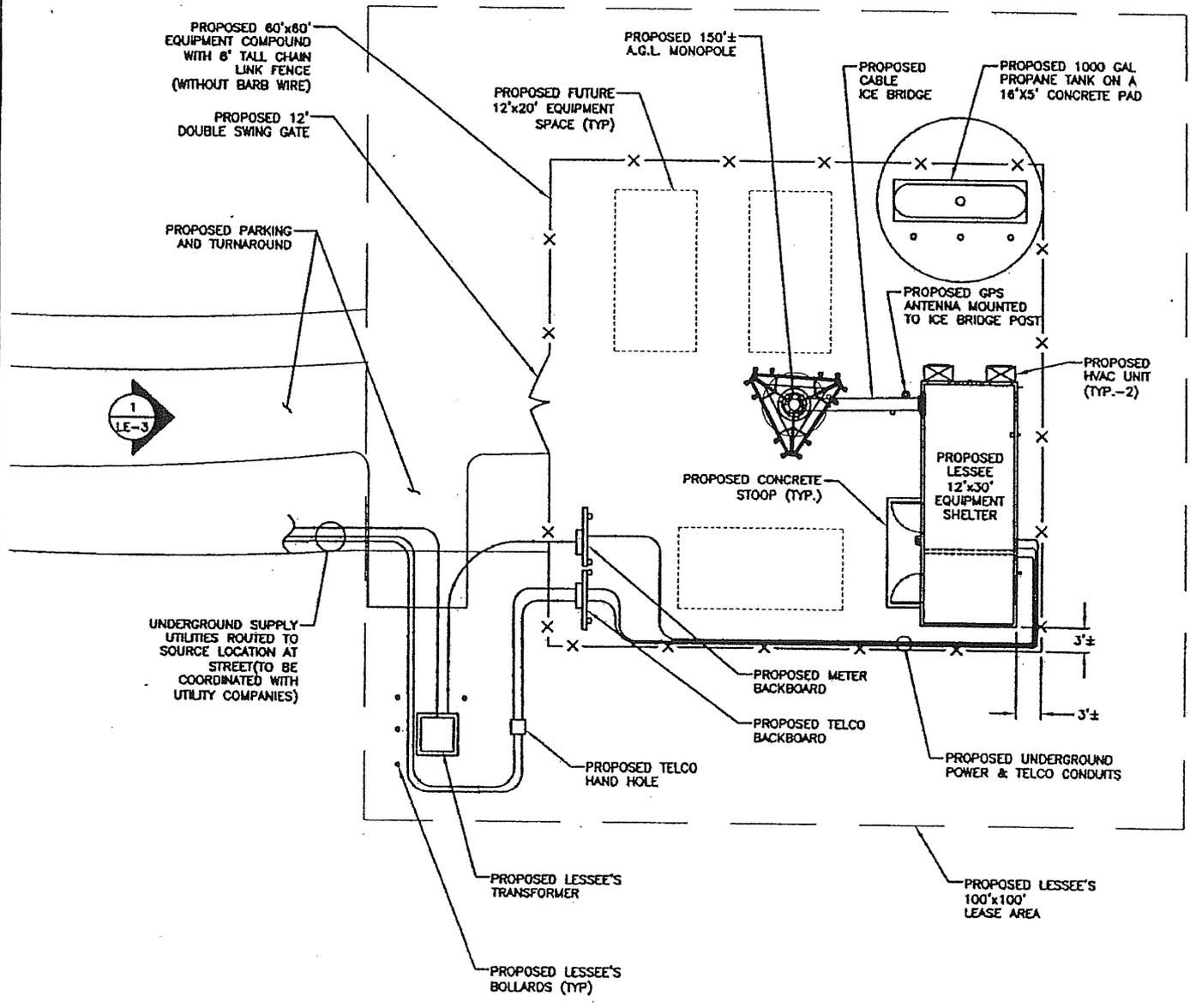
DESIGNED BY:
CKD

DATE:
09/28/07

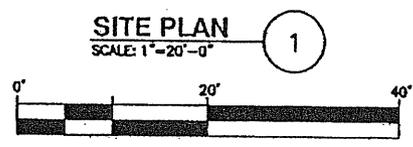
SITE NAME:
MANSFIELD
4 CORNERS SITE A

343 DALEVILLE RD
WILLINGTON, CT 06279

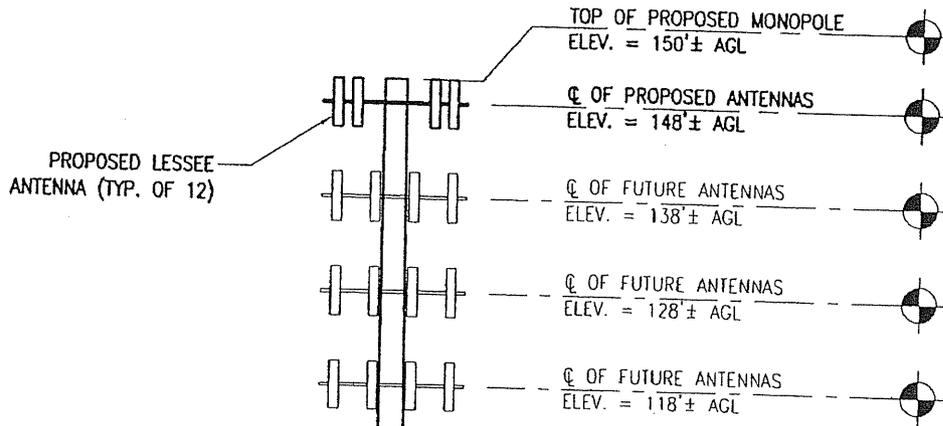
LE-1



- NOTES:**
1. DRAWING IS SCHEMATIC. FINAL EQUIPMENT LOCATIONS, UTILITY ROUTING, ANTENNA TYPES, AND ANTENNA AZIMUTHS WILL BE FINALIZED UPON COMPLETION OF DESIGN.
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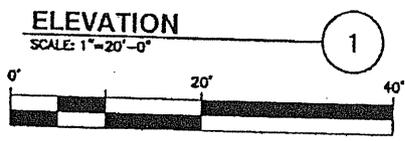
<p>Dewberry Dewberry-Goodkind, Inc. 59 ELK STREET SUITE 101 NEW HAVEN, CT 06510 203.776.2277 PHONE 203.776.2288 FAX</p> <p style="text-align: right;">Engineers Planners Surveyors</p>	LEASE EXHIBIT	DGI PROJECT#: 50008047	CELLCO PROJECT#: 2005137329	Cellco Partnership
		CELLCO LOCATION CODE: 169109		NOT FOR CONSTRUCTION
DESIGNED BY: CKD	DATE: 09/28/07	REVISION NO.: B	SITE ADDRESS: 343 DALEVILLE RD WILLINGTON, CT 06279	SHEET NO. LE-2
		SITE NAME: MANSFIELD 4 CORNERS SITE A		



PROPOSED 1000 GAL
PROPANE TANK ON A
16'X5' CONCRETE PAD

PROPOSED METER BOARD
PROPOSED TELCO BOARD
PROPOSED LESSEE 12'x30'
EQUIPMENT SHELTER
PROPOSED 8' CHAIN LINK
FENCE
PROPOSED TRANSFORMER
PROPOSED BOLLARD (TYP.)

- NOTES:**
1. DRAWING IS SCHEMATIC. FINAL EQUIPMENT LOCATIONS, UTILITY ROUTING, ANTENNA TYPES, AND ANTENNA AZIMUTHS WILL BE FINALIZED UPON COMPLETION OF DESIGN.
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<p>Dewberry Dewberry-Goodkind, Inc. 59 ELM STREET SUITE 101 NEW HAVEN, CT 06510 203.776.2277 PHONE 203.776.2288 FAX</p>	<p>Engineers Planners Surveyors</p>	<p>LEASE EXHIBIT</p>	DGI PROJECT#: 50008047	CELLCO PROJECT#: 2005137329	<p>Cellco Partnership</p>
			CELLCO LOCATION CODE: 169109		
DESIGNED BY: CKD	DATE: 09/28/07	REVISION NO.: B	SITE ADDRESS: 343 DALEVILLE RD WILLINGTON, CT 06279		SHEET NO. LE-3