ATTACHMENT 5

ATTACHMENT 5(A)

General Facility Description

350B Cossaduck Hill Road North Stonington, Connecticut Owner: Paul R. Buehler 11.66 Acre Parcel

The footprint of the proposed telecommunications facility is located in the central portion of a 11.66 acre parcel owned by Paul R. Buehler located at 350B Cossaduck Hill Road (Route 201) in North Stonington. The proposed facility consists of a 75' x 75' compound within a 100' by 100'lease area. The proposed height of the new self-supporting monopole tower is 190' above grade level ("AGL").

AT&T will install up to twelve (12) panel antennas (centerline) at the 187' AGL height of the tower together with an associated 12'x 20' radio equipment shelter at the tower base on a concrete pad within the tower compound. The tower compound would consist of a 75' by 75' area to accommodate AT&T's equipment and provide for future shared use of the facility by other carriers. The tower compound would be enclosed by an 8' foot high chain link fence. Vehicle access to the facility would be provided by existing access approximately 1,720' in length and then over a new gravel access drive approximately 510' in length. Utility connections will be run underground from Cossaduck Hill Road.

Site Evaluation Report

I. LOCATION

- A. COORDINATES: 41° 29′ 57″ N 71° 53′ 23″ W
- B. GROUND ELEVATION: 444' AMSL
- C. SITE ADDRESS: 350 Cossaduck Hill Road
- D. ZONING WITHIN 1/4 MILE OF SITE: Residential

II. DESCRIPTION

- A. SITE SIZE: 75' by 75' compound
- B. LESSOR'S PARCEL: 11.66 acres
- C. TOWER TYPE/HEIGHT: Monopole/190' AGL
- D. SITE TOPOGRAPHY AND SURFACE: The proposed tower and associated compound are near the top of a slope leading up from Cossaduck Hill Road.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The surrounding terrain is characterized by rolling hills with ground elevations ranging from 170' AMSL to approximately 534' AMSL. A review of the site together with available site information provided by Federal, State and local databases indicates that the nearest wetlands are over 700' distant from the proposed facility and access drive. No activity is proposed near or directly within the delineated wetland area.
- H. LAND USE WITHIN 1/4 MILE OF SITE: General land use activities directly surrounding the subject parcel include residential uses, wooded and undeveloped land, and various roads and highways, including Cossaduck Hill Road/Route 201.

III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power
- B. POWER PROXIMITY TO SITE: Electric power will be available for use from Cossaduck Hill Road.
- C. TELEPHONE COMPANY: AT&T
- D. PHONE SERVICE PROXIMITY: Telephone facilities/service will be available from Cossaduck Hill Road.
- E. VEHICLE ACCESS TO SITE: Access to the facility would be provided by a gravel access driveway

- F. OBSTRUCTIONS: Ledge is visible in the area
- G. CLEARING AND FILL REQUIRED: The facility would require the removal of 7-12 trees above 6" DBH and some clearing of brush. Some fill will be required to properly grade the proposed access drive and compound construction area. Detailed plans would be included in a Development and Management Plan ("D&M" plan) after any approval of the facility which may be issued by the Connecticut Siting Council.

IV. LEGAL

- A. PURCHASE [] LEASE [X]
- B. OWNER: Paul R. Buehler
- C. ADDRESS: 350B Cossaduck Hill Road, North Stonington, Connecticut

Facilities and Equipment Specification

I. TOWER SPECIFICATIONS:

A. MANUFACTURER: To be determined

B. TYPE: Self-Supporting monopole

C. HEIGHT: 190' AGL

DIMENSIONS: Approximately 5' in diameter at the base, tapering to approximately 2' at

the top.

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

II. TOWER LOADING:

A. AT&T – up to 12 panel Antennas, along with up to 12 TMA/Diplexers

- a. Model Powerwave P90-14-XLH-RR or equivalent panel antenna
- b. Antenna Dimensions approximately 48"H x 12"W x 6"D
- c. Position on Tower 187' centerline AGL and below
- d. Transmission Lines MFG/Model: Commscope Aluminum; Size 1-5/8"
- B. Future Carriers To be determined

III. ENGINEERING ANALYSIS AND CERTIFICATION:

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

 SEA:
 DATE
 DRAWN BY CHK'D BY
 DRECIPITION

 C 04/14/14
 DMD
 CFC
 PRELIMINARY
 EXHIBIT
 — ALTERNATE SITE 2
 320B COSSADUCK HILL ROAD (203) 488-0580 (203) 488-8587 Fox 63-2 North Branford Road, Branford, CT 06405 03/28/11 AS SHOWN 10123 EX-1 S - STE STANASTLA www.CentekEng.com Centered on Solutions " N. STONINGTON 3 ENTEK engineering SBA TOWERS III LLC. THIS EXHIBIT PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND ACCESS ROUTE OF THE PROPOSED ALTERNATE WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF SITE SURVEY AND FACILITY DESIGN. LAT.: 41°-29'-57" LNG.: 71°-53'-23" PRELIMINARY EXHIBIT A.M.S.L. +I PRELIM. SITE COORDINATES: GROUND ELEVATION: 444' (BASED ON TOPO MAP) PROPOSED (NEW) ACCESS DRIVE. PROPOSED SITE LOCATION (TAKEN IN FIELD) SCALE inch = 200 ft. (IN FEET GRAPHIC EXIST'G STRUCTURE, TYP. EXIST'G DIRT DRIVEWAY, TYP. NORTH = 200SITE PLAN SCALE: 1" TOPOGRAPHIC CONTOURS SHOWN ARE REFERENCED FROM USGS MAPPING. TOPO REFERENCE:

ATTACHMENT 5(B)

Environmental Assessment Statement

I. PHYSICAL IMPACT

A. WATER FLOW AND QUALITY

No water flow and/or water quality changes are anticipated as a result of the construction or operation of the proposed facility. The construction and operation of the tower and related site improvements will have no effect on any wetlands, watercourses or water bodies, and the equipment associated with the facility will discharge no pollutants to area surface or groundwater systems. The distance from the proposed project where ground disturbance would occur to the nearest wetland is over 750', with no activity occurring directly within the delineated wetland area. Thus, the proposed project will not directly impact any wetland's hydrologic functional role. Moreover, Best Management Practices to control storm water and soil erosion during construction will be implemented.

B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the proposed facility would emit no air pollutants of any kind. A generator for emergency power is proposed which will have de minimus emissions associated with its operation.

C. LAND

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

D. NOISE

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

E. POWER DENSITY

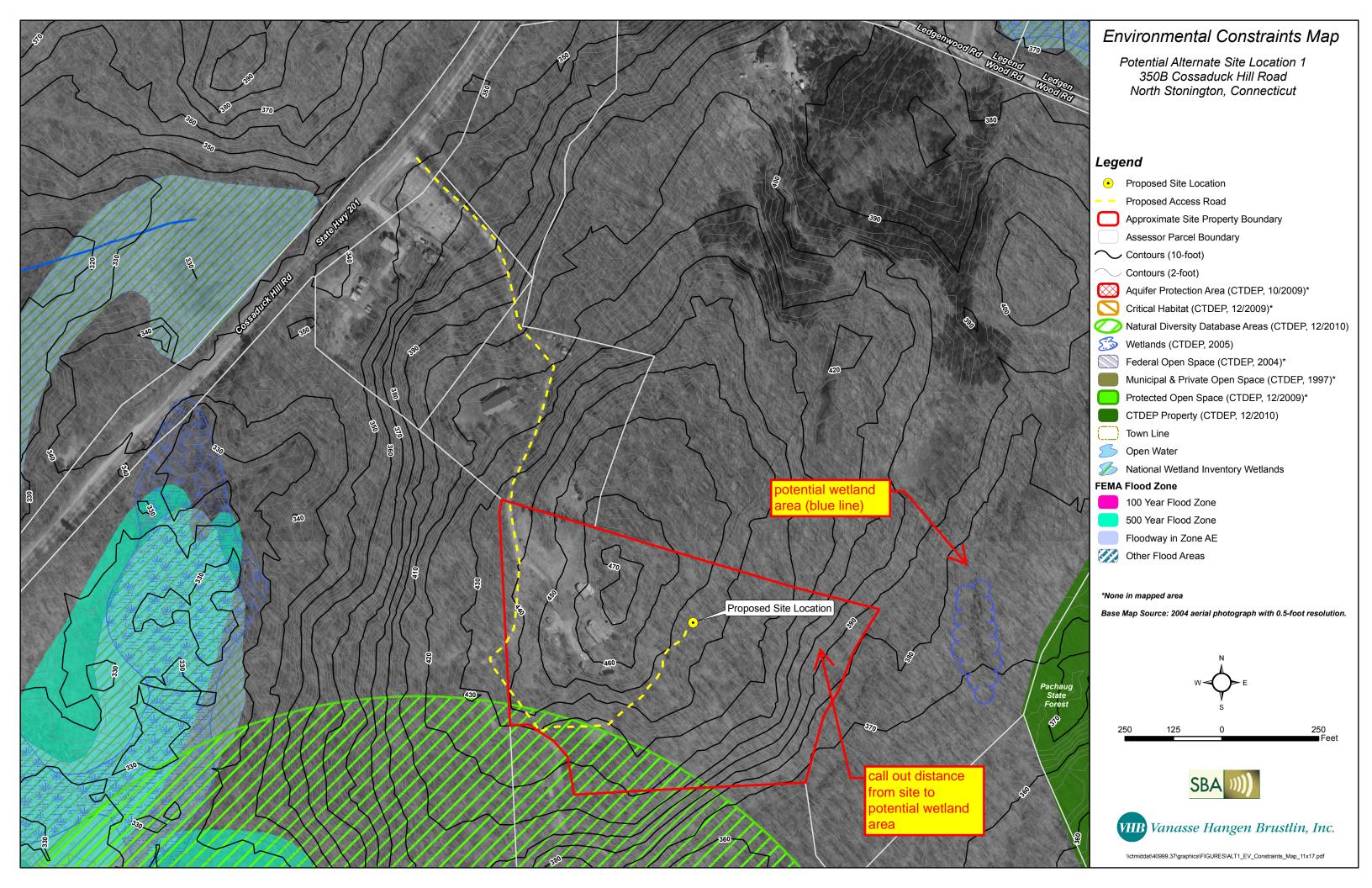
The cumulative worst-case calculation of power density from AT&T's operations at the facility would be 3.5% of the MPE standard. Attached is a Power Density Report indicating same.

F. VISIBILITY

The potential visual impact of the proposed monopole was determined by preparation of the attached Visual Analysis Report. The potential visibility was assessed within an approximate two (2) mile radius using a computer-based, predictive view shed model and in-field visual analysis. The monopole would be visible to approximately 9 acres within the 8,042-acre study area. The majority of year-round views would occur over open water and along their immediate shorelines. No views are anticipated from the portion of the Narragansett Trail within the Study Area.

II. SCENIC, NATURAL, HISTORIC & RECREATIONAL VALUES

The parcel on which the facility is located and immediate surrounding areas exhibit no scenic, natural, historic or recreational characteristics which are unique. The Connecticut State Historic Preservation Officer ("SHPO") will be reviewing the site. The Connecticut Department of Environmental Protection ("CTDEP") Natural Diversity Database ("NDDB") maps for the proposed site have been reviewed and indicate that no threatened or endangered species are known nearby and accordingly no impact on these species is anticipated.



Tony Wells C Squared Systems 65 Dartmouth Drive, Unit A3 Auburn, NH 03032 603-644-2800 Tony.Wells@csquaredsystems.com



June 17, 2011

Connecticut Siting Council

Subject: New Cingular Wireless, North Stonington, CT

Dear Connecticut Siting Council:

C Squared Systems has been retained by New Cingular Wireless to investigate the RF Power Density at the proposed site located in North Stonington, CT.

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

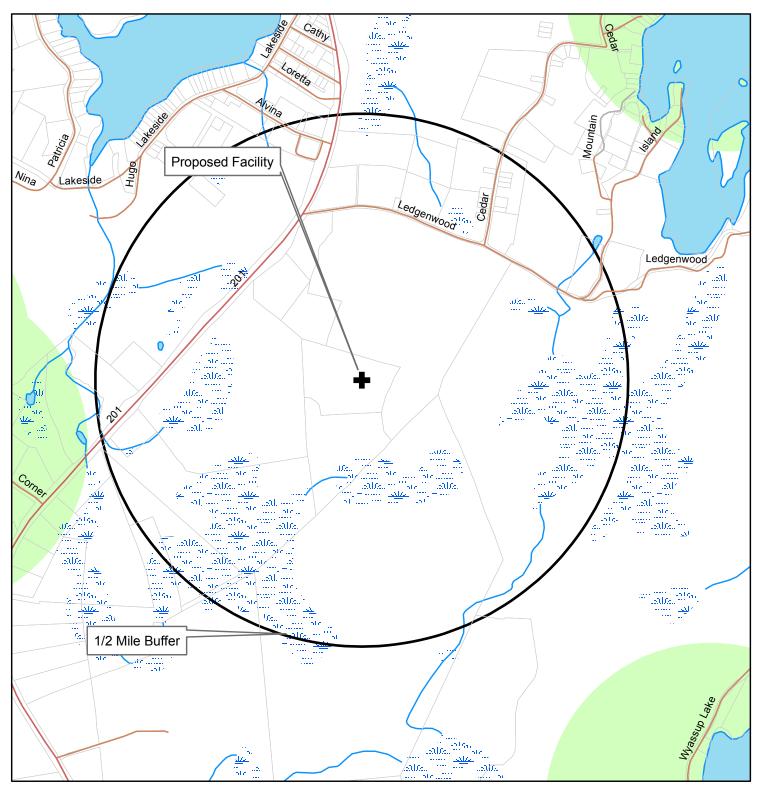
Location	Carrier	Antenna Centerline Height Above Ground Level (Ft.)	Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Power Density (mw/cm ²)	Limit	% FCC MPE Limit General Public/ Uncontrolled
Ground Level	AT&T UMTS	190	880	1	500	0.0053	0.5867	0.91%
	AT&T UMTS	190	1900	1	500	0.0053	1.0000	0.53%
	AT&T GSM	190	880	3	296	0.0094	0.5867	1.61%
	AT&T GSM	190	1900	1	427	0.0045	1.0000	0.45%
	Total						3.50%	

Summary: Under worst-case assumptions, the RF Power Density at the proposed site located in North Stonington, CT will not exceed 3.50% of the FCC MPE limit for General Public/Uncontrolled Environments.

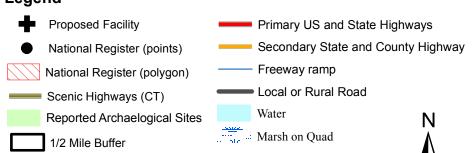
Sincerely,

Anthony Wells Managing Partner

anthony wells

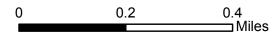


Legend



Vanasse Hangen Brustlin, Inc.

Cultural Resources Screen
PROPOSED WIRELESS FACILITY
350B COSSADUCK HILL RD
NORTH STONINGTON, CONNECTICUT
APRIL 25, 2011
USGS QUAD:JEWETT CITY



TOWAIR Search Results 6/17/11 4:21 AM

TOWAIR Determination Results

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results

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

Your Specifications

NAD83 Coordinates

Latitude	41-29-57.0 north
Longitude	071-53-23.0 west

Measurements (Meters)

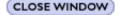
Overall Structure Height (AGL)	57.9
Support Structure Height (AGL)	NaN
Site Elevation (AMSL)	135.3

Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

Tower Construction Notifications

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



ATTACHMENT 5(C)

Visual Resource Evaluation Report

Proposed Wireless Telecommunications Facility

North Stonington 3 350B Cossaduck Road (Route 201) North Stonington, Connecticut

Prepared for



Prepared by

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

Visual Resource Evaluation

SBA Towers III LLC seeks approval from the Connecticut Siting Council for a Certificate of Environmental Compatibility and Public Need to construct a wireless telecommunications facility ("Facility") to be located on property at 350B Cossaduck Road ("host property") in the town of North Stonington, Connecticut. This Visual Resource Evaluation was conducted to approximate the visibility of the proposed Facility within a two-mile radius of the Site ("Study Area"). The northern portion of the Study Area includes land located within the neighboring towns of Preston and Griswold, Connecticut. Attachment A contains a map that depicts the location of the proposed Facility and the limits of the Study Area.

Project Introduction

The proposed Facility includes the installation of a 190-foot tall monopole tower with associated ground equipment to be located at its base. Both the monopole and ground equipment would be situated within a fence-enclosed compound. The proposed Facility would be located at a ground elevation of approximately 446 feet Above Mean Sea Level (AMSL). Access to the Facility would initially follow an existing gravel driveway currently located on the host property then continue along an existing woods road adjacent to the proposed compound area (to be improved).

Site Description and Setting

The host property is identified in the Town of North Stonington Tax Assessor's records as Map 102/ Block 57/Lot 6637, the host property includes approximately 11.57 acres of land and is currently occupied by a single-family residential dwelling. Other portions of the host property are generally wooded and undeveloped. The proposed Facility would be located roughly 230 feet to the southeast of the existing residence. Land use within general vicinity of the proposed Facility consists primarily of undeveloped woodlands (including State Forest land) and low-density residential development. In total, the Study Area features approximately 30 linear miles of roadways, including segments of Route 201.

The topography within the Study Area is generally characterized by gently rolling hills with ground elevations that range from approximately 174 feet AMSL to approximately 432 feet AMSL. The Study Area contains nearly 252 acres of surface water, which includes Andersons Pond located approximately 0.62-mile to the northwest of the proposed Facility; Wyassup Lake located approximately 1.00-mile to the southeast; and Billings Lake located roughly 0.66-mile to the northeast. The tree cover within the Study Area consists mainly of mixed deciduous hardwood species interspersed with stands of mature evergreen species that occupy approximately 7,198 acres of the 8,042-acre study area (90%). The average tree canopy height throughout the Study Area was determined to be approximately 65 feet.

METHODOLOGY

To evaluate the visibility associated with the proposed Facility, VHB used the combination of a predictive computer model and in-field analysis. The predictive model provided a preliminary assessment of potential visibility throughout the entire study area, including private property and other areas inaccessible for direct observations. A "balloon float" and Study Area reconnaissance were subsequently conducted for field verification to back-check the initial computer modeling results, to obtain location and height representations, and to provide photographic documentation from publicly accessible areas. A description of the procedures used in the analysis is provided below.

Visibility Analysis

VHB uses ArcGIS® Spatial Analyst, a computer modeling tool developed by Environmental Systems Research Institute, Inc., to calculate the areas from which at least the top of the proposed Facility is expected to be visible. Project- and Study Area-specific data were incorporated into the computer model, including Facility height, its ground elevation, underlying and surrounding topography and existing vegetation. Information used in the model included Connecticut LiDAR¹-based digital elevation data and model and a digital forest (or tree canopy) layer developed for the Study Area. The LiDAR-based Digital Elevation Model (DEM) represents ten-foot spatial resolution elevation information for the state of Connecticut that was derived through the spatial interpolation of airborne LiDARbased data collected in the year 2000 and has a horizontal resolution of ten (10) feet. The data was edited in 2007 and made available by the University of Connecticut through its Center for Land Use Education and Research (CLEAR). To create the forest layer, mature trees and woodland areas depicted on aerial photographs (ranging in dates from 2004 to 2008) were manually digitized (hand traced) in ArcGIS®, creating a geographic data layer for inclusion in the computer model. The black and white, digital aerial photographs, obtained from the Connecticut Department of Transportation, were flown in the spring of 2004 and selected for use in this analysis because of their image quality and depiction of pre-leaf emergence (i.e., "leaf-off") conditions. These photographs are half-foot pixel resolution. The more recent aerial photographs (2006 and 2008) were overlaid and evaluated to identify any new development resulting in the removal of trees.

Once the specific data layers were entered, the ArcGIS® Spatial Analyst Viewshed tool was applied to achieve an estimate of locations where the proposed Facility could be visible. First, only topography was used as a possible visual constraint; the tree canopy was omitted to evaluate potential visibility with no intervening vegetative screening. The initial omission of this data layer resulted in an excessively conservative prediction, but it provided an opportunity to identify areas within potential direct lines of sight of the Facility.

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

The forest data layer was then overlaid and built into the DEM, using a conservative average tree canopy height of 50 feet, to establish a baseline assessment of intervening vegetation. The resultant preliminary viewshed map was used during the in-field activities (described further below) to compare the outcome of the initial computer modeling with observations of the balloon float to identify deviations. Information obtained from the field reconnaissance was ultimately incorporated into the model to refine the viewshed map.

The average tree canopy height, in this case 65 feet, was determined based on information collected in the field using a combination of a hand-held laser range finder and comparative observations. The revised average tree canopy height of 65 feet was then incorporated into the model and the results displayed on the viewshed map. The forested areas were overlaid on the DEM with a height of 65 feet added to the base elevation and the visibility within the Study Area calculated.

As a final step, the forested areas were extracted from the areas of visibility, using a conservative assumption that a person standing within the forest will not be able to view the proposed Facility beyond a distance of approximately 500 feet. Depending on the density of the intervening tree canopy and understory of the surrounding woodlands, it is assumed that some locations within this distance could provide visibility of at least portions of the proposed Facility at any time of the year. In "leaf-on" conditions, this distance may be overly conservative for most locations. However, for purposes of this analysis, it was reasoned that forested land beyond 500 feet of the proposed Facility would consist of light-impenetrable trees of a uniform height.

Also included on the map is a data layer, obtained from the State of Connecticut Department of Environmental Protection ("CTDEP"), which depicts various land and water resources such as parks and forests, recreational facilities, dedicated open space, CTDEP boat launches and other categories. Included within the Study Area are portions of Pachaug State Forest and Narragansett Trail, part of the Connecticut Blue Blaze trail system. Lastly, based on both a review of published information and discussions with municipal officials in North Stonington it was determined that there are no locally- or state-designated scenic roadways located within the Study Area.

Balloon Float and Study Area Reconnaissance

On May 24, 2011 Vanasse Hangen Brustlin Inc., (VHB) conducted a balloon float to further evaluate the potential viewshed within the Study Area. The balloon float consisted of raising and maintaining a red, \pm four-foot diameter, helium-filled balloon at the proposed site location at a height of 190 feet. Once the balloon was secured, VHB staff conducted a drive-by reconnaissance along the roads located within the Study Area with an emphasis on nearby residential areas and other potential sensitive receptors in order to evaluate the results of the preliminary viewshed map and to document where the balloon was, and was not, visible above and/or through the tree canopy. VHB staff also paddled portions of Andersons Pond as part of the field reconnaissance. During the balloon float, the temperature was approximately 75 degrees Fahrenheit with sunny skies and calm winds.

Photographic Documentation

During the balloon float, VHB personnel drove the public road system within the Study Area (and paddled portions of Andersons Pond as noted previously) to inventory those areas where the balloon was and was not visible. The balloon was photographed from one publically accessible vantage point to document the actual view towards the proposed Facility. Several locations where the balloon was not visible are also included. The locations of the photos are described below:

View	Location	Orientation	Dist. To Site	Visibility
1	Andersons Pond	Southeast	<u>+</u> 0.82-Mile	Year-Round
2	Adjacent to #489 Route 201	South	<u>+</u> 1.27-Mile	Not Visible
3	North Shore of Billings Lake	Southwest	<u>+</u> 1.15-Mile	Not Visible
4	Route 201 at Polly Avenue	Southeast	<u>+</u> 0.44-Mile	Not Visible
5	Legend Wood Road at Cedar Drive	Southwest	<u>+</u> 0.35-Mile	Not Visible
6	Route 201 at Northwest Corner Road	Northeast	<u>+</u> 0.63-Mile	Not Visible

Photographs of the balloon from the view points listed above were taken with a Nikon D-3000 digital camera body equipped with a Nikon 18-135 mm zoom lens. For the purposes of this analysis, a lens setting of 50 mm was utilized to obtain views of the balloon from all but one of the photographic locations listed above, "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.²"

The locations of the photographic points are recorded in the field using a GPS-enabled tablet computer and were subsequently plotted on the maps contained in the attachments to this document.

Photographic Simulation

Photographic simulations were generated for the representative location listed above where the balloon was visible during the in-field activities. The corresponding photographic simulation portrays a scaled rendering of the proposed Facility from this location, with four wireless service providers represented. Using field data, site plan information and 3-dimension (3D) modeling software, a spatially referenced model of the site area was

Warren, Bruce. Photography, West Publishing Company, Eagan, MN, c. 1993, (page 70).
Note: Focal lengths ranging from 17 mm to 50 mm can approximate views similar to that achieved from the unaided human eye.
Two key factors to consider when determining what specific focal length to use to best represent "real world" conditions is field of view and relation of sizes between objects in the frame. A 17 mm focal length has a wider field of view, which is more representative of the overall extent (including peripheral vision) that the human eye typically sees. At this focal length, relation of sizes between objects is skewed and not entirely accurate to what the human eye experiences. A 50 mm focal length has a narrower field of view than that of the human eye; however, the relation of sizes between objects is more representative to that of what the human eye perceives. When producing photographic simulations, VHB has chosen to use a 50 mm focal length whenever possible. For presentation purposes, such as in this report, the photographs are produced and viewed in an approximate 6.5" by 9.5" format. VHB has determined that when viewing a proposed facility at this format size, it is important to provide the largest representational image while maintaining an accurate relation of sizes between objects within the frame of the photograph.

generated. Geographic coordinates (latitude and longitude) were collected in the field for all of the photograph locations via GPS and later used to generate virtual camera positions within the spatial 3D model. A photo simulationswas then created using a combination of renderings generated in the 3D model and photo rendering software programs. The balloon was included in the photographs to provide a visual marker and to cross-reference the height and proportions of the proposed Facility. A photolog map and the simulation is contained in Attachment A.

CONCLUSIONS

Based on this analysis, areas from where the proposed 190-foot tall Facility would be visible above the tree canopy comprise approximately 9 acres. As depicted on the attached viewshed map, the majority of year-round visibility associated with the proposed Facility would occur on portions of the host property; over open water on portions of Andersons Pond; and on a large wetland tract/swamp located within the Pachaug State Forest, approximately 0.50-mile to the east/southeast of the proposed Facility. The viewshed map also depicts an area of potential year-round visibility located on a private property off Northwest Corner Road which was inaccessible to VHB field personnel during the balloon float. VHB estimates that at least partial year-round views of the proposed Facility may be achieved from portions of three (3) residential properties within the Study Area. This information is summarized in the table below. Overall, potential year-round views of the proposed Facility would be limited to the areas described above by a combination of the intervening topography and vegetation contained within the Study Area. No views are anticipated from portions of the Narragansett Trail contained within the Study Area which are typically heavily forested.

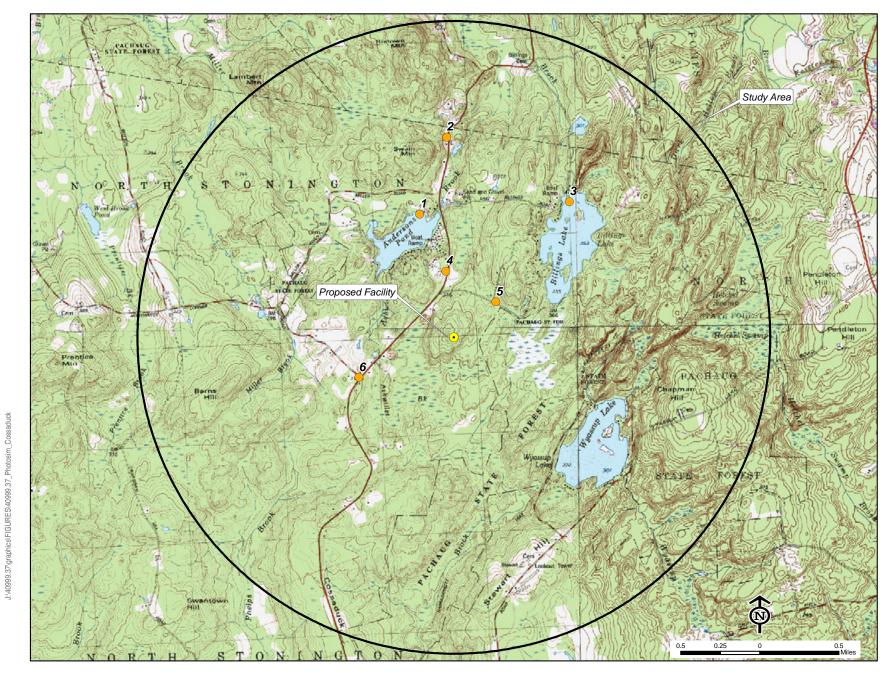
The viewshed map also depicts several additional areas where seasonal (i.e. during "leaf off" conditions) views are anticipated. These areas comprise approximately 4 additional acres and are located on the host property; along the northern shore of Andersons Pond; and two short stretches of Cossaduck Hill Road (Route 201). VHB estimates that seasonal views of the proposed Facility may be achieved from portions of one (1) additional residential property within the Study Area that is located off Cossaduck Hill Road (Route 201). In general, VHB anticipates that such views would be limited in their extent and/or mainly obstructed by vegetation, even during leaf-off conditions. This information is summarized in the table below.

Location	*Number of Residential Properties With Potential Year-Round Visibility	*Number of Residential Properties With Potential Seasonal Visibility	
	(Leaf-On)	(Leaf-Off)	
Northwest Corner Road	1	-	
Cossaduck Hill Road	2	1	
TOTAL:	3	1	

^{*}Indicates potential year-round or seasonal visibility from portions of the properties listed in the table above. Potential visibility on a "residential property" does not necessarily mean that the property is developed with a home or views would be achieved from within residential dwellings, exterior decks, porches or patios that might be located on such properties. Further, it may be possible to view the Facility from within portions of the shaded areas indicating potential visibility, but not necessarily from all locations within those shaded areas.

Attachment A

Study Area Map, Balloon Float Photographs, and Photographic Simulations











PHOTOGRAPHIC SIMULATION



























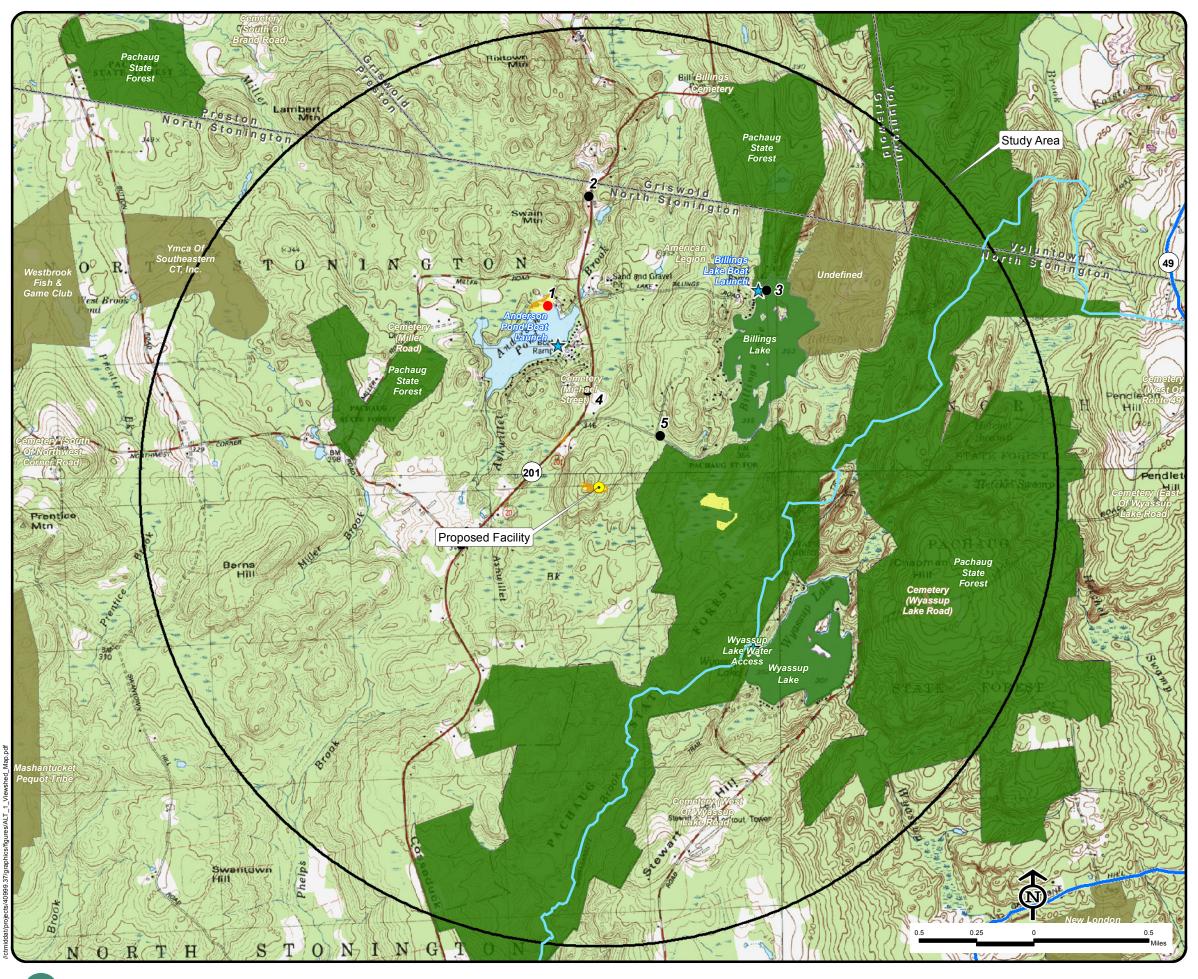






Attachment B

Viewshed Map



VHB

Viewshed Analysis Proposed SBA Wireless Telecommunications Facility Potential Alternate Site Location 1 350B Cossaduck Hill Road North Stonington, Connecticut

NOT

- Viewshed analysis conducted using ESRI's Spatial Analyst.
- Proposed Facility height is 190 feet.
- Existing tree canopy height estimated at 65 feet.
- Study Area is comprised of a two-mile radius surrounding the proposed facility and includes 8,042 acres of land.

DATA SOURCES:

- Digital elevation model (DEM) derived from Connecticut LiDAR-based Digital Elevation Data (collected in 2000) with a 10-foot spatial resolution produced by the University of Connecticut and the Center for Land Use Education and Research (CLEAR); 2007
- Forest areas derived from 2008 digital orthophotos with 1-meter pixel resolution; digitized by VHB, 2010 and 2011
- Base map comprised of Jewett City, Ashaway (1984), Old Mystic (1983), and Voluntown (1975) USGS Quadrangle Maps
- Municipal and Private Open Space data layer provided by CT DEP, 1997
- Federal Open Space data layer provided by CT DEP, 2004
- CT DEP Property data layer provided by CT DEP, April 2010
- CT DEP boat launches data layer provided by CT DEP, Dec 2009
- Scenic Roads layer derived from available State and Local listings

Map Compiled June, 2011

Legend

Proposed Tower Location

Photographs - May 24, 2011

Balloon is not visibleBalloon visible above trees

Year-Round Visibility

Seasonal Visibility

Protected Municipal and Private Open Space (CT DEP, 1997)

Open Space (CT DEP, 199 Cemetery

Preservation Conservation

Uncategorized

Existing Preserved Open Space

General Recreation School 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

State Forest

State Park

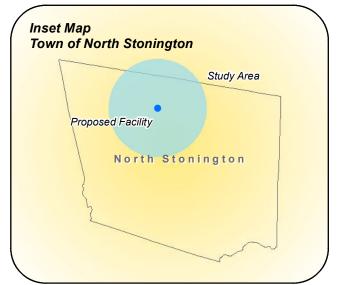
CT DEP Property (CT DEP, May 2010)

Federal Open Space (CT DEP, 2004)

Boat Launches (CT DEP, Dec 2009)

Scenic Road (State and Local)
Narragansett Trail (CT Blue Blaze)

—— Town Line



SBA)))