

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

In Re:

APPLICATION OF NORTH ATLANTIC  
TOWERS, LLC and NEW CINGULAR  
WIRELESS PCS, LLC (AT&T) FOR A  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED FOR  
THE CONSTRUCTION, MAINTENANCE AND  
OPERATION OF A TELECOMMUNICATIONS  
TOWER FACILITY AT 655 BASSET ROAD IN  
THE TOWN OF WATERTOWN

DOCKET NO. 422

October 20, 2011

APPLICANTS

NORTH ATLANTIC TOWERS, LLC and NEW CINGULAR WIRELESS PCS, LLC ("AT&T")  
SUPPLEMENTAL INFORMATION

Applicants North Atlantic Towers, LLC and New Cingular Wireless PCS, LLC (AT&T), respectfully submit this supplemental information in the captioned proceeding.

I. AT&T's Minimum Required Height

Attachment 1 includes a propagation plot that illustrates the signal degradation that would result from a reduction in antenna height to 137' AGL, or ten feet below AT&T's minimum antenna height of 147' AGL. The red areas on the attached propagation plot represent the areas at 137' AGL where the signal level is below acceptable levels for reliable service.

II. Updated Site Search Summary

Included in Attachment 2 are an updated Site Search Summary, Alternate Sites Map and Alternate Sites List. An additional site that was investigated has been added to the site search summary information and is included as location number 9, 1150 Bassett Road, in the attached materials.

CERTIFICATE OF SERVICE

I hereby certify that on this day, a copy of the foregoing was sent by electronic mail and overnight mail to the Connecticut Siting Council and:

Charles Frigon  
Town Manager  
Town of Watertown  
424 Main Street  
Watertown, CT 06795  
(860) 945-5255  
frigon@watertownct.org

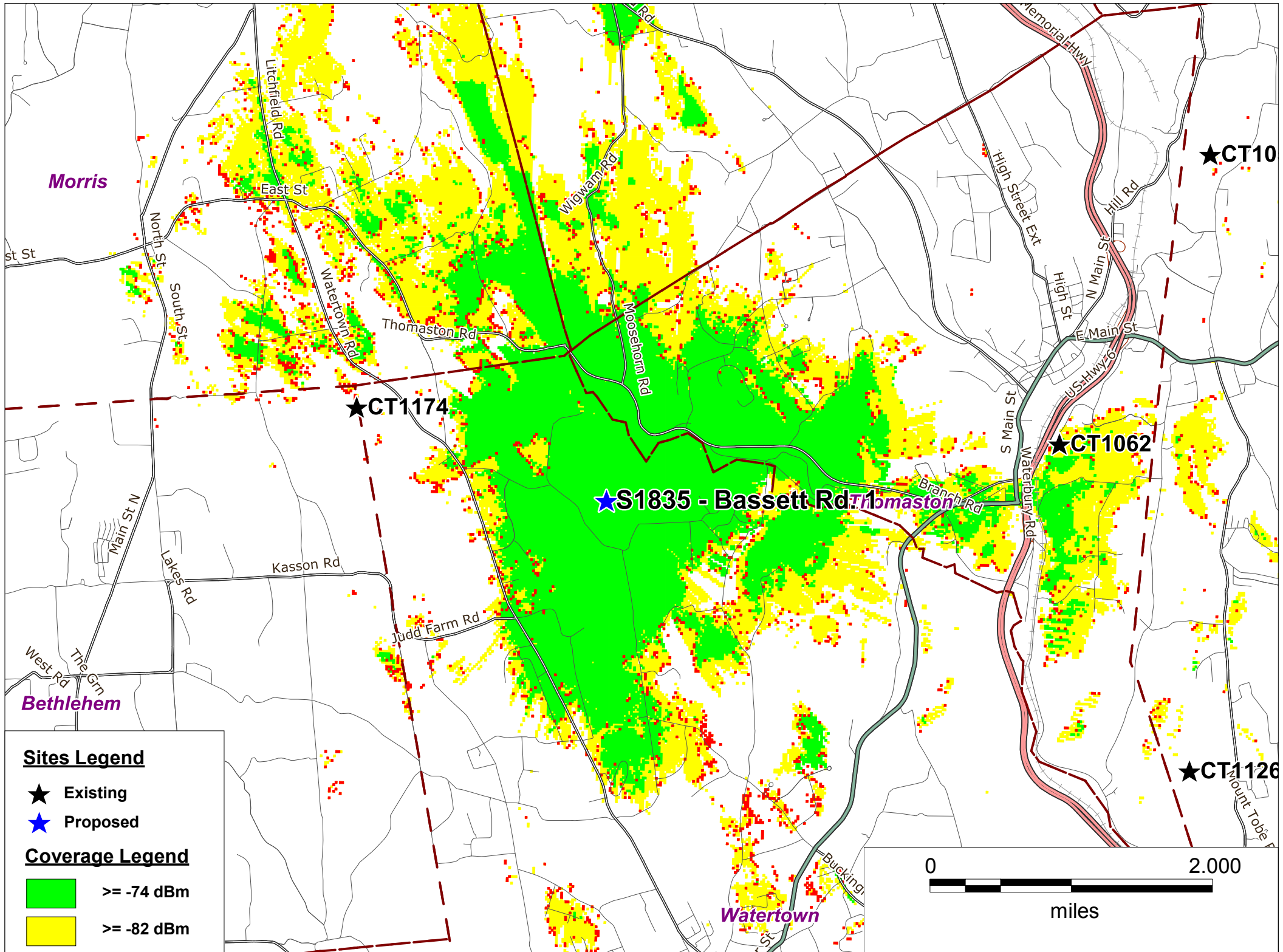
Paul R. Jessel, Esq.  
Slavin, Stauffacher & Scott, LLC  
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pjessell@sssattorneys.com

Dated: October 20, 2011

  
Lucia Chiochio

cc: John Stevens, North Atlantic Towers, LLC  
Michele Briggs, AT&T  
Randy Howse, SAI  
John Favreau, Infinigy Engineering  
Mike Doiron, SAI  
David Vivian, SAI

# ATTACHMENT 1



**Signal Degradation due to Height Reduction from 147' to 137' for -74dBm and -82dBm Levels**

## ATTACHMENT 2

## Updated Site Search Summary

This Section describes the general site search process, identifies the site search area and those alternative locations that were considered for development of the proposed facility.

As a tower infrastructure provider, North Atlantic Towers uses its overall knowledge and understanding of existing wireless carrier networks and/or direct consultation with individual carriers to identify areas where wireless services are unreliable. Only when it is clear that a new tower facility will likely be required for reliable services to be provided by FCC licensed wireless carriers does North Atlantic Towers pursue a tower site search. In conducting a site search, North Atlantic Towers' radiofrequency engineers, along with any consultations with wireless carrier radiofrequency engineers, identify search areas central to the geographic area in which a new tower facility will be required for the provision of coverage and/or capacity in carrier networks. In this case, AT&T identified a need for a new transmitting site in this area of Watertown and agreed to pursue development of a tower site with North Atlantic Towers. AT&T agreed to pursue this project jointly with North Atlantic Towers having conducted its own site search in this area and identifying no other reasonable siting opportunities.

North Atlantic Towers and AT&T are sensitive to State and local desires to minimize the construction of new towers, and neither initiates tower site searches in areas with known structures of acceptable height and location that might host a transmitting facility. In this area of Watertown, there are no such known existing towers or structures suitable for providing reliable service to the public. An analysis of the communications towers and facilities located within four miles of the site search area indicated that these towers could not provide adequate coverage to the area targeted for service by the proposed Facility. Moreover, AT&T is using or planning to use most of these structures for service in nearby areas of the State. Attached is the list of the existing towers and facilities North Atlantic Towers identified within four miles of the site search area.

Once it is determined that there are no existing suitable facilities or structures, the search for appropriate tower sites begins. In general, the area is studied to determine whether there are industrial or commercial areas or areas which have appropriate environmental and land use characteristics. Radio frequency engineers also analyze potential locations to determine whether they will meet the technical requirements for a transmitting facility. The list of potential locations is further limited by the willingness of property owners to make their properties available for a telecommunication tower facility. The list of possible alternative sites may be further narrowed by potential environmental effects and benefits as assessed by the applicants. The weight afforded to these factors varies depending on the nature of the area and the availability of potential sites.

Attached is a map demonstrating sites searched by North Atlantic Towers and AT&T for the location of a facility in this particular area of Town. The description of the individual sites investigated is set forth below. Where applicable, the reason for eliminating the property is also included.

1. Address: 918 Branch Road, Thomaston, CT  
Map 45/Block 01/ Lot 01  
117 acres  
Owner: James Tilson.

*This is a large privately owned parcel. The property owner was contacted and stated he was not interested in leasing any portion of this property for a telecommunications facility.*

2. Address: 0 Bassett Road, Watertown, CT  
Map 11/Block 27/ Lot 1  
301 acres  
Owner: City of Waterbury, CT.

*This property is water company land owned by the City of Waterbury. In an email response to a letter inquiry by North Atlantic Towers, the City of Waterbury Bureau of Water confirmed that this property is part of the Wigwam Reservoir watershed and not available to host a telecommunications facility.*

3. Address: 834 Northfield Road, Watertown CT  
Map 47/Block 86 / Lot 11A  
157 acres  
Owner: Town of Watertown.

*This parcel is the site of Crestwood Park and is unavailable for leasing due to a deed restriction.*

4. Address: 1206 Bassett Road, Watertown, CT  
Map 24 /Block 28 / Lot 2  
24 acres  
Owner: Leslie R. Atkins

*A telecommunications facility on this parcel would not achieve the coverage objective of the proposed Facility.*

5. Address: 0 Linkfield Road, Watertown, CT  
Map 22 /Block 26 / Lot 3  
178 acres  
Owner: Frank E. Gustafson.

*This property is one of two large parcels that make up the Gustafson Apple Orchards. The Gustafson family is not interested in leasing any portion of this property for a telecommunications facility.*

6. Address: 0 Linkfield Road Watertown, CT  
Map 23 /Block 28 / Lot 7  
83 acres  
Owner: Frank E. Gustafson.

*This property is one of two large parcels that make up the Gustafson Apple Orchard. The Gustafson family is not interested in leasing any portion of this property for a telecommunications facility.*

7. Address: 0 Buckingham Street EXT Watertown, CT.  
Map 90/Block 89/ Lot 5A  
0.26 acre  
Owner: Watertown Water & Sewer Authority

*This existing 122' in height water tank on this property was investigated and it was determined that a facility on the water tank would not meet the coverage objectives.*

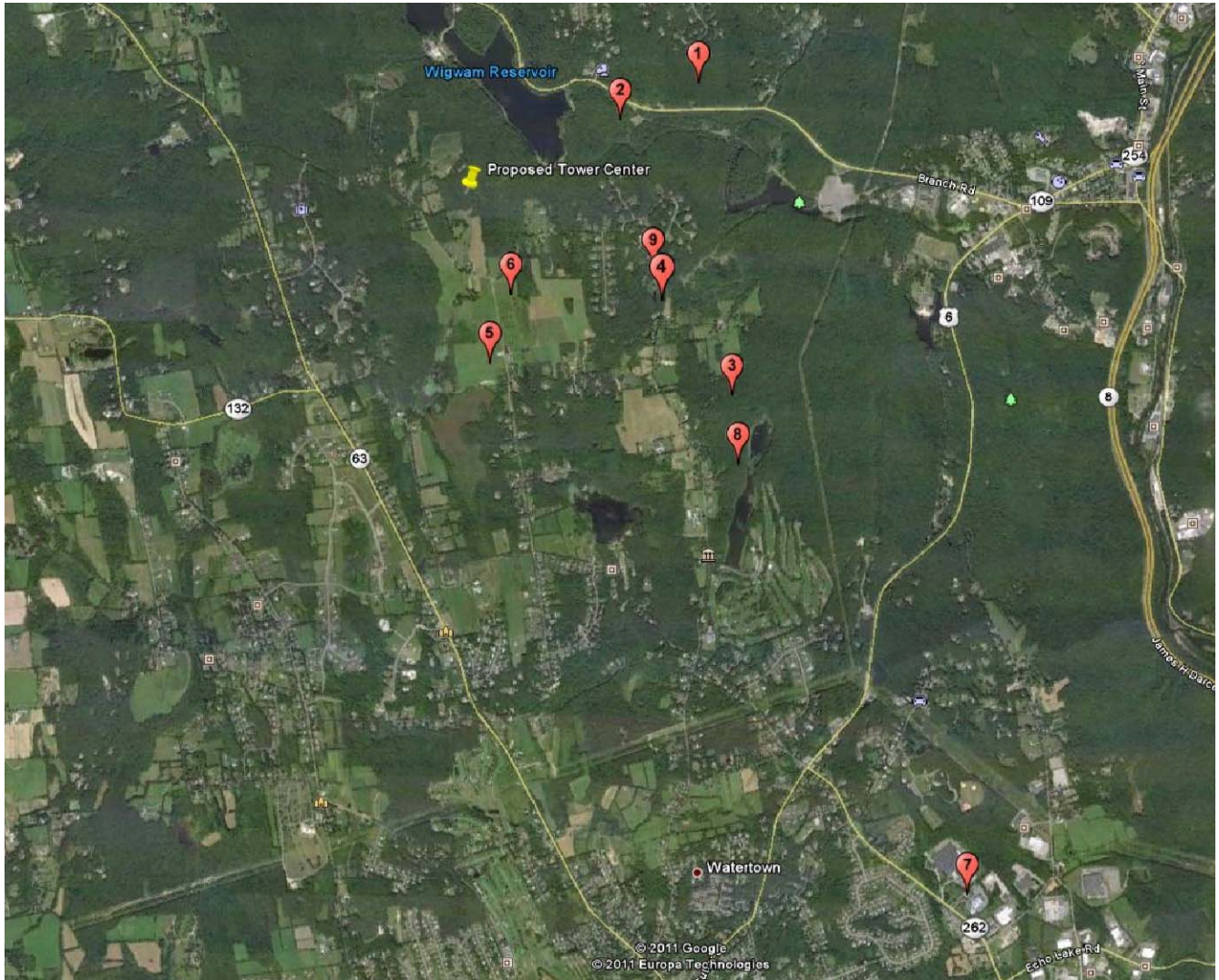
8. Address: 0 Thomaston Road, Watertown, CT  
Map 40 /Block 86/ Lot 26  
20 acres  
Owner: Town of Watertown

*A telecommunications facility on this parcel would not achieve the coverage objective of the proposed Facility.*

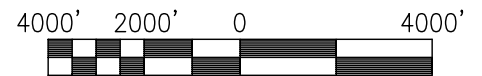
9. Address: 1150 Bassett Road, Watertown, CT  
Map 10 /Block 26/ Lot 2A  
22 acres  
Owner: Robert M. Velardo

*A telecommunications facility on this parcel would not achieve the coverage objective of the proposed Facility.*





1 ALTERNATE SITES MAP



APPROX. NORTH

**NOTES:**

1. ABOVE INFORMATION SHOWN BASED ON INFORMATION PROVIDED TO INFINIGY ENGINEERING.



**infinigy**  
 engineering  
 11 Herbert Drive  
 Latham, NY 12110  
 OFFICE: (518) 690-0790  
 FAX: (518) 690-0793  
 INFINIGY PROJECT #: 226-064

WATERTOWN/CT1140


SITE NAME: WATERTOWN  
 SITE I.D.: CT1162  
 SITE ADDRESS: 655 BASSETT ROAD  
 WATERTOWN, CT 06795

DRAWING SCALE: AS NOTED

DATE: 10/18/2011

REV: 1

ID #	ADDRESS	CITY	STATE	OWNER	MAP	BLOCK	LOT	SIZE
1	918 Branch Road	Thomaston	CT	James Tilson	45	1	1	+/- 117 acres
2	0 Bassett Road	Watertown	CT	City of Waterbury, CT	11	27	1	+/- 301 acres
3	834 Northfield Road	Watertown	CT	Town of Watertown	47	86	11A	+/- 157 acres
4	1206 Bassett Road	Watertown	CT	Leslie R. Atkins	24	28	2	+/- 24 acres
5	0 Linkfield Road	Watertown	CT	Frank E. Gustafson	22	26	3	+/- 178 acres
6	0 Linkfield Road	Watertown	CT	Frank E. Gustafson	23	28	7	+/- 83 acres
7	0 Buckingham St Ext	Watertown	CT	Watertown Water & Sewer Auth.	90	89	5A	+/-0.26 acres
8	0 Thomaston Road	Watertown	CT	Town of Watertown	40	86	26	+/- 20 acres
9	1150 Bassett Road	Watertown	CT	Robert M. Velardo	10	26	2A	+/-22 acres


 1 ALTERNATE SITES LIST



**infinigy**  
 engineering

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