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October 17, 2013

VIA EMAIL & OVERNIGHT DELIVERY
Hon. Robert Stein, Chairman
and Members of the Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: Connecticut Siting Council Docket 440
New Cingular Wireless PCS, LLC (AT&T)
Application for Certificate of Environmental Compatibility
and Public Need for a Telecommunications Tower Facility at
522 Colebrook Road, Colebrook, Connecticut

Dear Chairman Stein and Members of the Siting Council:

On behalf of New Cingular Wireless PCS LLC ("AT&T") and in connection with the above referenced Docket, we respectfully enclose an original and fifteen (15) copies of the following:

1) Response to Connecticut Siting Council Pre-Hearing Questions Set II;
2) Hearing Information including witness resumes, affidavit of sign posting, and a hard copy of the Applicants public presentation for the October 24, 2013 public hearing; and
3) Applicants' Pre-Filed Statement of Facts in Lieu of Direct Testimony.

Should the Siting Council or Staff have any questions regarding this matter, please do not hesitate to contact us.

Very truly yours,

Lucia Chiocchio

Lucia Chiocchio

cc: Thomas D. McKeon, First Selectman, Town of Colebrook
Michele Briggs, AT&T
David Vivian
Tony Wells
Martin Lavin
Mike Libertine
Dean Gustafson
Paul Lusitani
Christopher B. Fisher, Esq.

C&F: 2278798.2

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:
APPLICATION OF NEW CINGULAR WIRELESS PCS, LLC (AT&T) FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE AND OPERATION OF A TELECOMMUNICATIONS TOWER FACILITY AT 522 COLEBROOK ROAD IN THE TOWN OF COLEBROOK

DOCKET NO. 440

October 17, 2013

NEW CINGULAR WIRELESS, PCS LLC (AT&T) RESPONSES TO
CONNECTICUT SITING COUNCIL PRE-HEARING QUESTIONS SET II

Q41. Provide the sources of information for the noise level calculations and the noise level chart behind Tab 4 of the applicant's response to interrogatories dated October 3, 2013.

A41. Included in Attachment 1 are updated noise level calculations for the estimated cumulative noise level for the emergency back-up generator and AC units at the southern property line. Source information is provided in the column to the right of the calculations. A copy of the noise level chart provided in response to interrogatory 26 is also included in Attachment 1. This chart is available at noisehelp.com. The updated calculation indicates that the cumulative noise level at the closest property line is the level of conversational speech.

Q42. Are two air conditioning units (AC units) proposed for reliability reasons in the event that one fails? Would both units typically run at the same time because they would share the load, or would one unit run normally and the second would only operate as needed during hot weather?

A42. Two air conditioning units are provided in every equipment shelter. Typically, only one unit operates to control the temperature in the shelter. The second unit may operate in conjunction with the first unit during extreme heat situations.

Q43. What is the cumulative noise level at the nearest property line of both AC units operating simultaneously? (In other words, repeat the calculation already performed taking into account only air conditioning and neglecting the backup generator.) How often would both AC units operate simultaneously?

A43. The southern property line is the nearest property line to the equipment compound. The estimated calculated cumulative noise of both AC units at the southern property line is approximately 59.77dbA. Included in attachment 2 is the anticipated noise level

calculation. As noted in response number 42 above, both AC units typically do not operate simultaneously.

Q44. Would the cumulative noise level of both AC units operating simultaneously comply with the state noise control regulations?

A44. As shown in the calculations provided in Attachment 2, the cumulative noise level of both AC units operating simultaneously would be higher than the day and night state noise control regulations.

Q45. What noise attenuation methods are available to ensure the cumulative noise levels of both AC units operating simultaneously would comply with the state noise control regulations?

A45. A wood fence lined with a sound blanket along the fence that faces the southern property boundary can be used to reduce further the noise levels at the closest property boundary for those times when both AC units operate simultaneously.

Q46. Reference the responses to questions 12 and 13 of the applicant's response to the first set of interrogatories dated October 3, 2013. Are all of the streets listed located in Colebrook? Would the proposed tower provide any coverage to the gaps identified on Moses Road or Wolfords Hill Road?

A46. The vast majority of road coverage identified in AT&T's responses to interrogatories 12 and 13 is in Colebrook with some coverage in Norfolk and Winchester. The proposed Facility will not provide any new in-vehicle or in-building service to Moses Road or Wolfords Hill Road.

Q47. Reference the response to question number 4 of the applicant's response to the first set of interrogatories dated October 3, 2013. Provide the approximate longitude and latitude coordinates of the center of the search ring.

A47. The approximate longitude and latitude coordinates of the center of the search ring included in Attachment 1 of AT&T's response to interrogatory number 4 are:

41^0-59'-3'N and 73^0-5'-32"W

Q48. Provide the approximate distance (in feet) and direction from the proposed tower to the existing home located on the subject property.

A48. The existing home on the subject site is located approximately 1,600' to the west.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and fifteen copies of the foregoing was sent electronically and by overnight mail to the Connecticut Siting Council and to:

Thomas D. McKeon
First Selectman
Town of Colebrook
P.O. Box 5
Colebrook, CT 06021
860-379-3359
tmckeon@colebrooktownhall.org

Dated: October 17, 2013

Lucia Chiocchio

cc: Michele Briggs, AT&T
David Vivian
Tony Wells
Martin Lavin
Mike Libertine
Dean Gustafson
Paul Lusitani
Christopher B. Fisher, Esq.

By:	PAL		Project No.:	18301.1025.43000		
Project Name:	AT&T Colebrook		Sheet:	1	of	1
Project Location:	Colebrook, CT		Date:	October 14, 2013		
Subject:	NOISE LEVEL AT PROPERTY LINE BASED ON TWO AC UNITS AND GENERATOR					

Calculation to Determine Noise Level At Nearest Property Line:

Data:

Equipment:

	Item:	Noise Level (dbA)	Distance to Initial Noise Level, D_1 (ft)	Distance to Property Line, D_2 (ft)
Noise Source 1:	Air Conditioning Unit 1	73	23	118
Noise Source 2:	Air Conditioning Unit 2	73	23	122
Noise Source 3:	Generator	71	23	114

Length of Vegetation Buffer Between Noise Source and Property Line = 63 ft
Tower Facility Class (A-Residential, B-Commercial, C-Industrial) = B
Adjacent Property Class = A

118
122
114

Source Documentation:
AC Unit Specifications
AC Unit Specifications
Generator Specifications

Drop in Noise Level Based on Distance:

Drop in Noise Level = $20 \times \log_{10} (D_1/D_2)$

D_1 = Distance 1

D_2 = Disatnce 2

mcsquared.com

	Drop in Noise Level (dbA)	Noise Level at D_2 (dbA)
Noise Source 1:	-14.20	58.80
Noise Source 2:	-14.49	58.51
Noise Source 3:	-13.90	57.10

Alternatively, everytime the distance from the noise source is doubled, the level drops by 6dbA. mcsquared.com

Cumulative Noise Level at D_2:

When adding noise levels, the following guidelines will be followed:

$L_{Total} = 10 \log_{10} (\Sigma 10^{Li/10})$

L_{Total} = Total Noise Level

Li = Noise Level of Each Piece of Equipment

OSHA.gov Noise and Hearing Appendix I

L_{Total} No Tree Buffer=	62.97	dbA

Alternatively, the following procedure can be used to add sound levels. Sound levels must be added in pairs of two until a final noise level is achieved.

3 db(A) if level differs by 0 to 1 db(A)
2 db(A) if level differs by 2 to 3 db(A)
1 db(A) if level differs by 4 to 9 db(A)
0 db(A) if level differs by 10db(A) or more

This procedure is not utilized but it yields the same result.

OSHA.gov Noise and Hearing Appendix I

Drop in Noise Level at D_2 Due to Tree Buffer:

fhwa.dot.gov Noise Compatible Planning Federal Approach for Audible Landscape

Tree Buffer: 3 to 5 dbA drop per every 100 feet of vegetation
Be conservative and use a drop of 3 dbA per 100 ft of vegetation
Drop due to vegetation = -1.89 dbA

L_{Total} Including Tree Buffer =	61.08	dbA

Noise Level Chart

A noise level chart showing examples of sounds with dB levels ranging from 0 to 180 decibels.

dBA	Example	Home & Yard Appliances	Workshop & Construction
0	healthy hearing threshold		
10	a pin dropping		
20	rustling leaves		
30	whisper		
40	babbling brook	computer	
50	light traffic	refrigerator	
60	conversational speech	air conditioner	
70	shower	dishwasher	
75	toilet flushing	vacuum cleaner	
80	alarm clock	garbage disposal	
85	passing diesel truck	snow blower	
90	squeeze toy	lawn mower	arc welder
95	inside subway car	food processor	belt sander
100	motorcycle (riding)		handheld drill
105	sporting event		table saw
110	rock band		jackhammer
115	emergency vehicle siren		riveter
120	thunderclap		oxygen torch
125	balloon popping		
130	peak stadium crowd noise		
135	air raid siren		
140	jet engine at takeoff		
145	firecracker		
150	fighter jet launch		
155	cap gun		
160	shotgun		
165	.357 magnum revolver		
170	safety airbag		

175	howitzer cannon		
180	rocket launch		
...			
194	sound waves become shock waves		

Most noise levels are given in dBA, which are decibels adjusted to reflect the ear's response to different frequencies of sound. Sudden, brief impulse sounds, like many of those shown at 120 dB or greater, are often given in dB (no adjustment).

By:	PAL		Project No.:	18301.1025.43000		
Project Name:	AT&T Colebrook		Sheet:	1	of	2
Project Location:	Colebrook, CT		Date:	October 14, 2013		
Subject:	NOISE LEVEL AT PROPERTY LINE BASED ON TWO AC UNITS					

Calculation to Determine Noise Level At Nearest Property Line: 118

122 Source Documentation:

Data: 114

Equipment:

	Item:	Noise Level (dbA)	Distance to Initial Noise Level, D_1 (ft)	Distance to Property Line, D_2 (ft)	
Noise Source 1:	Air Conditioning Unit 1	73	23	118	AC Unit Specifications
Noise Source 2:	Air Conditioning Unit 2	73	23	122	AC Unit Specifications
Noise Source 3:	None	0	0	0	

Length of Vegetation Buffer Between Noise Source and Property Line = 63 ft

Tower Facility Class (A-Residential, B-Commercial, C-Industrial) = B

Adjacent Property Class = A

Drop in Noise Level Based on Distance:

Drop in Noise Level = $20 \times \log_{10} (D_1/D_2)$ mcsquared.com

D_1 = Distance 1

D_2 = Disatnce 2

	Drop in Noise Level (dbA)	Noise Level at D_2 (dbA)
Noise Source 1:	-14.20	58.80
Noise Source 2:	-14.49	58.51
Noise Source 3:	0.00	0.00

Alternatively, everytime the distance from the noise source is doubled, the level drops by 6dbA. mcsquared.com

Cumulative Noise Level at D_2:

When adding noise levels, the following guidelines will be followed:

$L_{Total} = 10 \log_{10} (\Sigma 10^{Li/10})$ OSHA.gov Noise and

L_{Total} = Total Noise Level Hearing Appendix I

Li = Noise Level of Each Piece of Equipment

L_{Total} No Tree Buffer=	61.66	dbA

Alternatively, the following procedure can be used to add sound levels. Sound levels must be added in pairs of two until a final noise level is achieved. OSHA.gov Noise and Hearing Appendix I

3 db(A) if level differs by 0 to 1 db(A)

2 db(A) if level differs by 2 to 3 db(A)

1 db(A) if level differs by 4 to 9 db(A)

0 db(A) if level differs by 10db(A) or more

This procedure is not utilized but it yields the same result.

Drop in Noise Level at D_2 Due to Tree Buffer: fhwa.dot.gov Noise Compatible Planning Federal Approach for Audible Landscape

Tree Buffer: 3 to 5 dbA drop per every 100 feet of vegetation

Be conservative and use a drop of 3 dbA per 100 ft of vegetation

Drop due to vegetation = -1.89 dbA

L_{Total} Including Tree Buffer =	59.77	dbA

By:	PAL		Project No.:	18301.1025.43000		
Project Name:	AT&T Colebrook		Sheet:	2	of	2
Project Location:	Colebrook, CT		Date:	October 14, 2013		
Subject:	NOISE LEVEL AT PROPERTY LINE BASED ON TWO AC UNITS					

Check if Noise Level at D_2 Is Within State Regulations:

CT DEEP Noise Regulations 22a-69-1 through 22a-69-7

			C (dbA)	B (dbA)	A Day (dbA)	A Night (dbA)
Class	C	(industrial) Emitter to	70	66	61	51
Class	B	(commercial) Emitter to	62	62	55	45
Class	A	(residential) Emitter to	62	55	55	45

	Limit (dbA)	Actual (dbA)	Difference	Complies?
Day	55	59.77	**4.77**	**NO**
Night	45	59.77	**14.77**	**NO**

PROVIDE NOISE BARRIER TO REDUCE NOISE LEVELS

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:
APPLICATION OF NEW CINGULAR WIRELESS PCS, LLC (AT&T) FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE AND OPERATION OF A TELECOMMUNICATIONS TOWER FACILITY AT 522 COLEBROOK ROAD IN THE TOWN OF COLEBROOK

DOCKET NO. 440

October 17, 2013

HEARING INFORMATION OF NEW CINGULAR WIRELESS

The Applicant, New Cingular Wireless PCS, LLC ("AT&T") submits the following hearing information to the State of Connecticut Siting Council in the captioned proceeding:

Counsel Appearing at the Hearing

Counsel appearing at the hearing will be Lucia Chiocchio, Esq.

List of Witnesses

1. Michael Libertine, LEP, Director of Siting and Permitting, All-Points Technology Corporation, P.C.
2. Dean Gustafson, Senior Wetlands Scientist, All-Points Technology Corporation, P.C.
3. Paul Lusitani, P.E., Project Engineer, CHA
4. David Vivian, Site Acquisition Specialist, Site Acquisitions, Inc.
5. Anthony Wells, Managing Partner, C Squared Systems

   Resumes included as Attachment 1.

Documents to be Administratively Noticed

None at this time.

Exhibits to be Offered

The Applicants will offer as exhibits the following:

1. Application of AT&T dated August 9, 2013
2. AT&T Bulk Filing dated August 2013

3. AT&T Responses to Siting Council Interrogatories Set I dated October 3, 2013
4. AT&T Responses to Siting Council Interrogatories Set II dated October 17, 2013
5. Applicant's Pre-Filed Statement Of Facts In Lieu Of Direct Testimony, dated October 17, 2013

Affidavit of Sign Posting

A notice sign was posted at the subject property on October 10, 2013. An affidavit of posting is included here as Attachment 2.

Public Presentation

For the Siting Counsel's records, included here as Attachment 3, please find a hardcopy of the electronic presentation the Applicant will provide at the October 24, 2013 7:00pm public hearing on this Docket. All information included in the presentation is incorporated in the above noted exhibits to be offered.

The Applicants reserve the right to offer additional exhibits, testimony, witnesses and administratively noticed materials as may be necessary during the hearing process.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and fifteen copies of the foregoing were sent electronically and by overnight mail to the Connecticut Siting Council and:

Thomas D. McKeon
First Selectman
Town of Colebrook
P.O. Box 5
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Dated: October 17, 2013

Lucia Chiocchio

Lucia Chiocchio

cc: Michele Briggs, AT&T
David Vivian
Tony Wells
Martin Lavin
Mike Libertine
Dean Gustafson
Paul Lusitani
Christopher B. Fisher, Esq.

Michael Libertine, LEP
Director of Siting and Permitting
All-Points Technology Corporation, P.C.
3 Saddlebrook Drive, Killingworth, CT 06419
860-663-1697 860-983-5153

General Background

Mr. Libertine has over 21 years of professional experience in the environmental consulting field. His experience includes regulatory compliance and permitting involving extensive interactions with the local, state and federal agencies, including the Connecticut Department of Energy and Environmental Protection, Connecticut Department of Transportation, and the Connecticut Siting Council, as well as the U.S. EPA and Federal Highway Administration; environmental assessments/impact statements for NEPA compliance; site assessments and field investigations for property transfers; remedial strategy development; environmental due diligence; Brownfields redevelopment projects; and remedial investigations at RCRA facilities as well as state and federally recognized hazardous waste site. Mike is a Licensed Environmental Professional in Connecticut and has been Project Manager on over 1700 environmental site assessments and field investigations for property transfers.

Employment History

Vanasse Hangen Brustlin, Inc., 54 Tuttle Place, Middletown, Connecticut
- Director, Environmental Services 1997 to 2012

Atlantic Environmental Services,I nc,/GEI Consultants, Colchester, Connecticut
- Project Manager/Team Leader, 1991 to 1997

Key Projects

Environmental Permitting Services for Wireless Telecommunications Clients, New England & NY

Program Manager for environmental due diligence and permitting services in support of various telecommunications clients throughout New England and New York. Mr. Libertine has worked directly with the major licensed PCS carriers since 1997. Projects include due diligence and land use evaluations; preliminary site screenings; preparation of compliance documentation, environmental assessments and Memorandums of Agreement to fulfill NEPA requirements; Phase I ESAs and Phase II field investigations; remedial planning and oversight; wetland assessments; vegetative/biological surveys; noise analyses; visibility analyses; graphic support; preparation of regulatory applications (including SEQRA submissions) and permitting support. Mr. Libertine has testified on behalf of telecommunications clients in front of local municipalities and the Connecticut Siting Council on over 250 applications and petitions.

On Call Environmental Services, Northeast Utilities Transmission Group

Program Manager in support of various Connecticut projects, including assessment and permitting of bulk power substations, transmission lines/structures, and underground utility installations. Services include conducting civil engineering feasibility studies, pre-acquisition due diligence evaluations, natural resources inventories of existing flora and fauna, habitat evaluations, wetland delineations, noise analysis, hazardous waste investigations, site survey, layout and design drawings, landscape architecture, preparation of technical documents, coordination with State and local agencies, regulatory permitting, public outreach, and expert witness testimony. Mike assisted this client in the siting, design and permitting of five substations, a transition station, and transmission line corridor studies since 2004, as well as numerous land surveys, land development feasibility studies, field investigations, and wetland studies.

Environmental Assessment and Constructability Review, Central Connecticut Reliability Project

Project Manager for natural resources inventory/assessment and construction evaluation along 35 miles of ROW corridor. Environmental tasks included Connecticut and federal wetland delineations, Army Corp of Engineers data plots, wetlands functions and values assessment, inventory of threatened and endangered species and critical habitats, biological surveys, and cover-type mapping. Once existing conditions were documented, a feasibility analysis was conducted to identify environmental and constructability conflicts associated with proposed new line installation and facility upgrades.

Constructability Review, Greater Springfield Reliability Project, Massachusetts and Connecticut
Project Manager responsible for assessing the environmental and construction feasibility associated with the installation of a new 345-kV overhead transmission line, as well as existing electric distribution and transmission infrastructure upgrades, within approximately 57 miles of transmission line right-of-way (ROW) in Massachusetts and Connecticut. Project tasks included assessing the suitability of existing access roads to and within the ROW to determine their viability as construction routes; evaluating new access roads, developing primary access routes, identifying appropriate locations for construction pads at each proposed structure location, developing data collection and management methodologies, and, providing a GIS geo-database and mapping depicting field data.

Certificates of Environmental Compatibility and Public Need, Electrical Substations, Connecticut
Project Manager in support of Applications to the Connecticut Siting Council (CSC) for the permitting of four new 345/115 kV substations in Killingly, Guilford, Waterford and Westport, Connecticut. These projects required extensive coordination of numerous team members, including client's in-house discipline managers and engineers, consultants, legal counsel, staff, and subcontractors. Mike was responsible for overseeing pre-acquisition environmental due diligence services, site survey, site data collection and analysis, site/civil layout, and drafting of municipal documents and the Application to the CSC. Services included conducting natural resources inventories of existing flora and fauna, habitat evaluations, wetland delineation, noise analyses, hazardous waste investigations, site layout and design drawings, landscape architecture, preparation of technical documents, coordination with State and local agencies, and permitting. His team has also prepared Development and Management Plans to the CSC and provided environmental monitoring for adherence to the CTDEP's General Permit for Construction Activities and environmental requirements set forth in the Client's contract documents and specifications.

Environmental Evaluations and Regulatory Permitting, Wind Farm, Colebrook, Connecticut
Principal-in-Charge and Project Manager for development of Connecticut's first commercial wind farm in northwest Connecticut. Responsibilities included overseeing due diligence, natural resource studies and environmental permitting activities. The 3.2 MW project involved extensive evaluations of wetland and other natural resources, flora and fauna studies, sound studies, flicker analyses, visual evaluations and expert testimony at the local and state level, including multiple hearings in front of the Connecticut Siting Council. Mike and his team are currently assisting their client in preparing the Development and Management Plan and pre-construction coordination efforts.

Regulatory Permitting, Barbour Hill Substation Modifications, South Windsor, Connecticut
Project Manager responsible for the preparation of a Petition to the Connecticut Siting Council for a determination that no Certificate of Environmental Compatibility and Public Need was required for the proposed modifications to the Barbour Hill Substation in South Windsor, Connecticut. The project included the replacement and expansion of an existing facility and the modification of line interconnections. Responsibilities included conducting natural resource inventories, wetland delineation, noise study, soil and groundwater sampling, property survey, preparation of site/civil design drawings, supporting graphics, photo-simulations, and local and state permit documents. Mr. Libertine also supported CL&P during its contractor selection process and developed a site-wide soil and water management plan for implementation during construction activities.

Environmental Impact Evaluation for Great Path Academy , Manchester, CT
Project Manager of an Environmental Impact Evaluation for expansion of a middle-college magnet high school serving eight member communities and operating within existing infrastructure at Manchester Community College. The project included a new free-standing facility on the campus to house the school and expand parking to accommodate 500 additional vehicles, enabling enrollment to increase from 75 to 300 students. Services included preparation of the EIE in accordance with CEPA to evaluate the project's associated potential environmental, social and economic impacts. The comprehensive document, distributed for public review and comment, assessed multiple locations for parking and building facilities within the MCC campus for parameters including: hydrology, traffic, visual impact on the surrounding community, energy consumption, and impacts to wildlife and habitat, potential historic and archaeological resources, forested areas, and a State-designated Greenway bike path. The result of the process was securing a Finding of No Significant Impact.

Environmental Site Assessments & Pilot Grant Closure, Middletown, CT
Project Manager for environmental site assessments associated with the City's Riverfront Revitalization Project utilizing the remaining funds from USEPA Brownfields Demonstration Pilot Grant #BP99103401. Completed Phase I ESAs for 101 properties and Phase II investigations for 14 properties under this grant, as well as preparing EPA-required Quality Assurance Protection Plans (QAPP). Completed EPA required grant closure documentation for all investigations conducted under this grant.

EA/FONSI for State Routes 7 & 15 in Norwalk and Wilton, CT
Project Manager of Final Environmental Assessment/Section 4(f) Evaluation (EA) for Finding of No Significant Impact (FONSI) on two state projects along Routes 7 and 15 in Norwalk and Wilton, Connecticut. These projects, completed for ConnDOT, involved the evaluation of seven different build/no build alternatives involving two interchanges, historic bridges, and a proposed freeway extension. The evaluation included assessments of current conditions, potential impacts of alternatives, analysis of impacts associated with proposed actions, and development of mitigation techniques to be employed during design and construction. The Final EA document was submitted to the Federal Highway Administration, which provided a FONSI determination.

Environmental Review and Redevelopment Planning, Stratford, CT
Project Manager supporting the Town of Stratford in assessing the feasibility of redeveloping the Stratford Army Engine Plant, which was closed under the Military Base Closure Act of 1997. The facility included over 2 million sq. ft. of space in approximately 40 buildings on a 50-acre site along the Housatonic River waterfront. This project required close coordination with the Client, land planners and socioeconomic consultants to assist the town with the required steps to redevelop this industrial/military site The planning process included the assessment of existing buildings, environmental and regulatory constraints associated with industrial site redevelopment, and an analysis of alternative reuse options for community benefits and impacts. A preferred redevelopment approach was created which included significant building demolition, site cleanup, and infrastructure upgrades. Preliminary plans and remediation cost scenarios were completed for the decontamination/demolition of site structures, schematic waterfront park layout in consideration of environmental compliance issues, roadway and drainage design, and utility modification. A green space and waterfront park, providing recreational opportunities and public access to Long Island Sound, was completed in 2001.

Education	University of Connecticut, B.S. Natural Resources Management, December 1990 Stonehill College, B.A. Marketing, May 1981
Certifications/ Licenses	Licensed Environmental Professional, State of Connecticut, LEP No. 345 OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) Training (29 CFR 1910.120)

Dean Gustafson
Professional Soil Scientist
Senior Wetland Scientist
All-Points Technology Corporation, P.C.
3 Saddlebrook Drive, Killingworth, CT 06419
860-663-1697 860-836-6576

General Background

Mr. Gustafson has over 24 years of professional experience in the environmental consulting field. His experience includes NEPA/CEPA documentation, wetlands (delineation, evaluation, mitigation design, monitoring, stream restoration, and local, state and federal permitting), water-quality investigations, coastal-zone-management studies, natural-resource and ecological evaluations. Mr. Gustafson is experienced in vernal pool monitoring and assessment, including identification of a wide variety of native amphibians and reptiles that utilize vernal pool habitats. Mr. Gustafson also has extensive experience with the Connecticut Department of Energy and Environmental Protection Natural Diversity Data Base and has resolved numerous potential rare species conflicts with proposed developments. Mr. Gustafson has particular expertise in wetland identification, soil mapping, soil classification, vegetative and hydrology surveys, wetland impact assessment, wetland mitigation design and oversight. In addition, he has extensive experience in local, state, and federal wetland permitting including having worked on over 100 Connecticut Siting Council dockets along with providing expert testimony at Council hearings. Mr. Gustafson has consulted on numerous projects which involve soils related issues such as erosion and sediment control planning, vegetative soil stabilization and storm water management BMP evaluation and selection. He has served as the Environmental Compliance Monitor on several Connecticut Siting Council approved projects. Mr. Gustafson's water quality experience includes stormwater studies for compliance with National Pollution Discharge Elimination System (NPDES), Section 401 Water Quality Certification, and the 2004 Connecticut DEP Stormwater Quality Manual.

Employment History

Vanasse Hangen Brustlin, Inc., 54 Tuttle Place, Middletown, Connecticut

- Natural Resource Group Leader 1997 to 2012

Atlantic Environmental Services, Inc./GEI Consultants, Colchester, Connecticut

- Senior Project Scientist 1992 to 1997

Soil Science & Environmental Services, Cheshire, Connecticut

- Professional Soil Scientist 1988 to 1992

Key Projects

On Call Environmental Services, Northeast Utilities Transmission Group

Task Manager in support of various Connecticut projects, including assessment and permitting of bulk power substations, transmission lines/structures, underground utility installations, and environmental investigations of existing facilities. Services include pre-acquisition due diligence activities, conducting site development feasibility assessments, natural resources inventories of existing flora and fauna, vernal pool studies and assessment, habitat evaluations, wetland delineations, wetland assessment, wetland mitigation design, wetland mitigation construction monitoring, permit compliance monitoring, site layout and design evaluations, erosion and sediment control planning and construction monitoring, vegetative soil stabilization and storm water management BMP evaluation and selection, preparation of technical documents, coordination with State and local agencies, and permitting support.

Environmental Compliance Monitor, Structure Replacement Project, Montague/Leverett, Massachusetts

Environmental Compliance Monitor in accordance with Massachusetts Department of Environmental Protection 401 Water Quality Certificate permit conditions for 345 kV structure replacement project. Monitoring included installation of wooden timber swamp mats across a 65-acre beaver impoundment for the removal of eight existing wooden structures and replacement with four steel structures. Environmentally sensitive compliance monitoring across this approximate 3,500 linear foot span included monitoring of drilling activities for deep caisson foundations within wetlands including in the middle of the beaver impoundment.

Regulatory Permitting, Barbour Hill Substation Modifications, South Windsor, Connecticut
Project Manager responsible for the preparation of a Petition to the Connecticut Siting Council for a determination that no Certificate of Environmental Compatibility and Public Need was required for the proposed modifications to the Barbour Hill Substation in South Windsor, Connecticut. The project included the replacement and expansion of an existing facility and the modification of line interconnections. Responsibilities included conducting natural resource inventories, wetland delineation, noise study, soil and groundwater sampling, property survey, preparation of site/civil design drawings, supporting graphics, photo-simulations, and local and state permit documents. Mr. Libertine also supported CL&P during its contractor selection process and developed a site-wide soil and water management plan for implementation during construction activities.

Certificate of Environmental Compatibility and Public Need, Rood Avenue, Windsor, CT
Task Manager responsible for the preparation of environmental sections of a Certificate of Environmental Compatibility and Public Need to the Connecticut Siting Council for the construction of a new substation. The project included the construction of a substation in wooded uplands with direct wetland impacts. Responsibilities included conducting natural resource inventories, wetland delineation, and local and state permit documents and coordination with the U.S. Army Corps of Engineers New England Division. The project also included the successful transplanting of pink lady-slippers (*Cypripedium acaule*).

Regulatory Permitting, Barbour Hill Substation Modifications, South Windsor, CT
Task Manager responsible for the preparation of a Petition to the Connecticut Siting Council for a determination that no Certificate of Environmental Compatibility and Public Need was required for the proposed modifications to the Barbour Hill Substation. The project included the replacement and expansion of an existing facility and the modification of line interconnections. Responsibilities included conducting natural resource inventories, wetland delineation, and local and state permit documents.

Environmental Assessment and Constructability Review, Central Connecticut Reliability Project
Project Scientist for natural resources inventory/assessment and construction evaluation along 35 miles of ROW corridor. Environmental tasks included Connecticut and federal wetland delineations, Army Corp of Engineers data plots, wetlands functions and values assessment, inventory of threatened and endangered species and critical habitats, biological surveys, and cover-type mapping. Once existing conditions were documented, a feasibility analysis was conducted to identify environmental and constructability conflicts associated with proposed new line installation and facility upgrades.

Certificates of Environmental Compatibility and Public Need, Various Sites, Connecticut
Has served as Task Manager in support of numerous Applications to the Connecticut Siting Council (CSC) for the permitting of new electrical substations throughout Connecticut. These projects require extensive site data collection and analysis including natural resources inventories of existing flora and fauna, habitat evaluations, wetland delineation and function/value analysis, site layout analysis and wetland impact evaluation, wetland mitigation, preparation of technical documents, coordination with State and local agencies, and permitting. Environmental monitoring services for adherence to the CTDEP's General Permit for Construction Activities were also provided.

Environmental Permitting Services for Wireless Telecommunications Clients, New England & NY
Task Manager for environmental due diligence and permitting services in support of various telecommunications clients throughout New England and New York. Mr. Gustafson has worked directly with the major licensed PCS carriers since 1997. Projects include due diligence and land use evaluations; preliminary site screenings; preparation of compliance documentation, environmental assessments and Memorandums of Agreement to fulfill NEPA requirements; wetland delineation, assessments, and mitigation; local, state and federal wetland permitting; vegetative/biological surveys; rare species investigations; floodplain compliance; preparation of regulatory applications (including SEQRA submissions); permit compliance monitoring; and permitting support. Mr. Gustafson has testified on behalf of telecommunications clients in front of local municipalities and the Connecticut Siting Council on over 100 applications and petitions.

Telecommunications Carrier Wetland Compliance Program
Project Manager for major telecommunications carrier's wetland compliance program. Responsible for wetland delineation, assessment, mitigation and alternatives analysis, habitat evaluations, vernal pool identification and assessment, design review for permit feasibility, and successful permitting of over 50 wireless telecommunications facilities with local wetland/conservation commissions in the Connecticut, Massachusetts, and Rhode Island market

areas. Responsible for erosion and sediment control planning and construction monitoring for projects in Connecticut and Massachusetts that represent a potential to impact sensitive wetland resources during construction.

National Retailer, Rocky Hill, CT
Responsible for wetland permitting of a multi-tenant retail development resulting in significant unavoidable wetland impacts and the creation of a wetland mitigation area exceeding 1 acre is size. Wetland permits were secured from the Rocky Hill Wetland Agency, CTDEP and U.S. Army Corps of Engineers for wetland impacts and wetland mitigation area.

Luxury Residential Development, Hartford, CT
Project manager for an award-winning luxury residential community developer. Provided project management and technical direction for wetland compliance of projects undertaken in Connecticut including wetland determination, evaluation, mitigation design and local, state and Army Corps of Engineers permitting. Assisted with planning restoration of a failed slope that occurred during construction, secured approval from the local wetland commission and monitored erosion and sediment controls to ensure that nearby wetlands and perennial stream were not adversely impacted.

Retail Wetland Program, Various Projects, CT
Project manager for the Connecticut office for large retail Client Fee-for-Service and Turnkey Developer Programs. Provide project management and technical direction for wetland compliance of projects undertaken in Connecticut including wetland determination, evaluation, mitigation design and local, state and Army Corps of Engineers permitting.

Connecticut DOT West Haven/Orange Railroad Station, Environmental Assessment
Task manager for assessing natural resources, including wetlands, floodplain, aquatic habitats, and wildlife, associated with a proposed railroad station at one of two possible sites. Prepared technical documents in support of Draft Federal Environmental Assessment/Draft State Environmental Impact Evaluation.

Wetlands Survey and Permitting, ConnDOT Maintenance Facility.
Performed both a state and federal wetland survey and delineation in conjunction with the submission and successful obtainment of a CTDEP Inland Wetlands and Watercourses permit and 401 Water Quality Certifications to conduct remedial activities within and adjacent to existing floodplain wetlands.

Education	B.S. University of Massachusetts, Plant and Soil Sciences, 1988
	Graduate coursework, University of New Hampshire
Affiliations	Member, Lebanon Inland Wetlands and Watercourses Commission, since 1995.
	Member, Connecticut Audubon Society
Registration	Professional Soil Scientist, Society of Soil Scientists of Southern New England, since 1988.
	Connecticut Association of Wetland Scientists.
	Association of Massachusetts Wetland Scientists.
Certifications	OSHA Hazardous Water Operations and Emergency Response (HAZWOPER) Training (29 CFR 1910.120)

Education
Central Connecticut State University
B.S. Civil Engineering Technology

Professional Registration
Professional Engineer – CT

Paul A. Lusitani, P.E.

Project Engineer

Mr. Lusitani has over 12 years of experience on telecommunications engineering projects. Mr. Lusitani has been with CHA 12 years and has served as the Project Engineer for telecommunications work for a majority of his time at CHA. In this capacity, Mr. Lusitani is responsible for telecommunications projects in the Southern New England Region with his main focus on Connecticut and Western Massachusetts. He has provided civil site design, field investigations, visual analysis studies, construction oversight, project management, QA/QC, and technical oversight for many communications related projects in CT and MA.

Telecommunications Site Design Experience:

Civil design/layout work, field data collection, field construction inspections, and project management/coordination for telecommunications projects are Mr. Lusitani's primary responsibilites:

Civil Design/Layout Work: Civil design work involves the following responsibilities: developing civil site drawings, such as lease exhibits, zoning drawings, and construction drawings utilizing AutoCAD 2011; developing design documents utilizing Microsoft Word & Microsoft Excel; researching town and/or state zoning regulations; completing quantity take-offs and cost estimates; laying out access roads, equipment compounds, access & utility easements, lease areas, utilities, coaxial cable, and equipment rooms/platforms based on existing site constraints such as topography, watercourses, wetlands, buffers, flood zones, property boundary setbacks, height limitations, structural limitations, accessibility requirements, and cost; grading access roads and equipment compounds for new tower sites; preparing visual analysis reports; preparing initial and final statements of inspections; and preparing initial and final affidavits.

Field Data Collection: Field data collection involves the following responsibilities: collecting the required structural information to support the proposed equipment such as physical properties of beams, columns, joists, roofs, and floors; collecting the required electrical and telephone information to determine sufficient capacity and routing; measuring the general site dimensions required to layout existing conditions; observing site conditions for environmental, design, and access constraints; and preparing field data packages consisting of notes, sketches, and photos for the design team.

Field Construction Inspections: Construction progress inspections involved the following responsibilities: inspecting tower foundation rebar and form geometry for compliance with the tower design drawings; inspecting sub-grade preparation and excavation limits for compliance with the geotechnical report; inspecting tower backfill for compliance with the geotechnical report; inspecting the tower erection process for compliance with the tower design drawings; inspecting site utilities and grounding systems for compliance with site design drawings; inspecting steel equipment supports for compliance with design drawings; and preparing field inspection reports based on field observations.

Project Management/Coordination: Project management and coordination of the design team involved the following responsibilities: interacting with the client; coordinating site designs with the survey, environmental, civil, structural, electrical, and mechanical groups; reviewing site design drawings, design documents, and environmental compliance documents for completeness, accuracy, and compliance with client design standards & scope of work; coordinating the construction inspection and material testing process; monitoring project budgets and schedules; maintaining project records; preparing purchase order requests for extra work; securing

purchase orders from clients; obtaining contracts with sub-consultants; preparing notice to proceed documents for sub-consultants; coordinating site design work with sub-consultants; and maintaining the project financial tracker and work progress tracker.

Notable Telecommunications Projects:

T-Mobile USA, Inc.: manage and coordinate the design of more than 170 sites in CT & MA

SBA/Optasite Towers LLC: manage and coordinate the design of 25 new tower sites in CT

MCF Communications Inc.: manage and coordinate the design of 8 new tower sites in CT

Nextel/General Dynamics: manage and coordinate the design of 40 sites in CT & MA

National Grid Wireless: manage and coordinate the design of 4 sites in CT & MA

AT&T/New Cingular Wireless: manage and coordinate the design of more than 80 sites in CT

David Vivian

500 Enterprise Drive, Suite 3A Rocky Hill, CT 06067
Phone: 413-218-5042 (cell) ~ 860-513-7190 (fax)
Email: david.vivian@sai-comm.com

QUALIFICATIONS

Seasoned telecommunications professional. Over 14 years telecommunications siting and permitting experience in the challenging New England environment. Adept at balancing radio frequency requirements with local zoning requirements and preferences, resulting in a high success ratio and timely implementation.

Experienced manager. Strong team-builder that provides direction and scope and empowers employees and subcontractors to utilize innovative solutions to accomplish goals quickly and efficiently.

Strong financial background. As a former real estate lender and manager, always attentive to cost-benefit analysis of policies and procedures while attending to project objectives.

PROFESSIONAL EXPERIENCE

Site Acquisition Specialist, Site Acquisitions, Inc. (September 2009 – Present)
Responsible for the identification, leasing, zoning and permitting of sites for New Cingular Wireless, PCS (AT&T) primarily in the Connecticut and Western Massachusetts markets. Coordinates subcontractor due diligence and preparation for Connecticut Siting Council ("CSC") filings and hearing proceedings. Provides testimony at CSC proceedings.

Independent Site Development Contractor (September 2006 – August 2009)
Provided telecommunications site acquisition consultation services to various wireless carriers and site acquisition firms; including Metro PCS, Mariner Tower, Optasite, Inc., and Transcend Wireless (representing Sprint PCS).

Site Development Manager, National Grid Wireless (January 2001 – August 2006)
Responsible for the development and/or acquisition of over 45 new tower facilities throughout the New England region for both Tower Ventures and National Grid. Identified new areas of opportunity and coordinated the leasing, zoning and construction of tower facilities in the central and western Massachusetts and eastern Connecticut area.

Project Manager, American Tower Corporation (May 1999 – January 2001)
Assumed the overall management and implementation of a new tower development program throughout New England. With only limited resources, managed the successful permitting and construction of over 40 new telecommunications towers in the first full year of operation.

Zoning Manager, Wireless Facilities, Inc. (March 1998 – May 1999)
Managed a team of Zoning Specialists responsible for the zoning and permitting of a 160-site wireless telecommunications design in southern New Hampshire, Worcester County and Cape Cod, Massachusetts. Careful analysis and a high approval ratio in this challenging zoning environment were instrumental in the successful commercial launch within a one-year timeframe.

Property Specialist, Sprint PCS (June 1996 – March 1998)
Managed a site acquisition team in the identification, leasing and zoning of wireless telecommunications facilities throughout greater Boston and Cape Cod. Close coordination between engineering activities, including radio frequency analysis, architectural and engineering services and environmental testing resulted in the successful completion of nearly 100 facilities during Sprint's initial commercial launch.

Commercial Real Estate Appraiser and Manager (August 1993 – June 1996)
Managed the commercial and residential real estate appraisal operation for New England Valuation Advisors, including bidding, appraisals, data base management and marketing. As a commercial real estate appraiser for Crowley & Associates, completed real estate appraisals on a fee basis, including all types of income producing properties. Specialized in industrial, retail, office and apartment complexes.

Mortgage Loan Officer, Society for Savings & Country Bank for Savings (January 1987 – August 1993)

Managed real estate portfolios ranging from $45 million to $150 million, including offices, apartment complexes, retail centers and hotels. Routinely achieved the lowest delinquency rate on commercial portfolios in the department.

EDUCATION

OSHA Safety Training (2005)
University of Massachusetts at Amherst (1994), M.B.A. with emphasis in finance
Naval Post-Graduate School, Newport, R.I. (1981), Legal Officer Certification
Naval Flight Officer, United States Navy (1979 – 1998), Commander (Retired)
Colby College, Waterville, ME (1979), A.B. in Administrative Science & Math

References available upon request

C² Systems
tony.wells@csquaredsystems.com

Resume of: Anthony Wells

EDUCATION:

Northeastern University
Master of Science in Electrical Engineering - Communications and Signal Processing Concentration- June 1997

University of Massachusetts, Lowell
Bachelor of Science in Electrical Engineering - December 1989

EXPERIENCE:

Managing Partner C Squared Systems **8/00 - Present**

- Provide RF and software design services to the wireless industry, including preparation of RF coverage analyses to determine radio frequency signal propagation parameters for siting wireless telecommunications facilities.
- Development of custom data collection and propagation software for in-building and macro networks,
- Manage design of a digital 1900 MHz (PCS) network consisting of over 130 cell site locations in New Hampshire and Maine.
- Design and Implementation of in-building repeater systems for multiple carriers.
- Prepare documentation for and testify before Connecticut Siting Council in support of the location of new wireless communications facilities.
- Provide measurement and calculation reports to comply with conditions of approval for municipalities in Connecticut, relating to Federal Communications Commission guidelines for electromagnetic field exposure.
- Develop radio and microwave frequency electromagnetic field calculation software for use in Federal Communications Commission compliance analysis.
- Design and implement custom software applications and database solutions with mapping capability for wireless providers.
- Provide propagation analysis and optimization of propagation models for use in analysis of propagation characteristics for low antenna heights.

Radar Systems Engineer **Raytheon - 3/98-8/00**

- Developed radar systems and simulation using software languages such as C++, Matlab and FORTRAN.
- Processed radar data for use in analysis of tracking algorithms. Implemented C++ wrapper for Matlab mex-files to reduce processing time by over 70%.
- Analyzed results of tracking algorithms. Evaluated statistical cost factors and analyzed radar resource loading in relation to statistical confidence levels for tracking algorithms.
- Calibrated and modified radar simulation software to accurately represent radar hardware performance.

Radio Frequency Manager **Sprint PCS - 10/95 - 3/98**

- Technical Manager responsible for implementation of code division multiple access technology for the New Hampshire and Maine systems.
- Designed and managed a digital 1900 MHz (PCS) network consisting of 70 cell site locations in New Hampshire and Maine.
- Oversaw testing and verification of the network to insure that propagation modeling was accurate and design performed as anticipated.
- Evaluated network performance for vendor compliance with contractual obligations.
- Insured compliance with Federal Communications Commission guidelines for electromagnetic field exposure for the digital network.
- Evaluated and tested accuracy of vendor propagation models and their applicability for use in system design.

Radio Frequency Manager **NYNEX Mobile/Verizon Wireless - 5/90 - 10/95**

- Responsible for the design and performance of an analog 800 MHz communication system consisting of over 200 cell sites in New England.
- Responsible for testing and verification of over 100 cell sites to insure accuracy of propagation models and cell site placement.
- Monitored and improved system performance for the Boston and Rhode Island systems using signal measurement equipment and propagation analysis.
- Evaluated and planned deployment of 800 MHz digital cellular system.
- Evaluated feasibility and integrated high and low power repeaters into the network where applicable.
- Designed microprocessor based automated remote call processing test equipment.
- Implemented repeaters as part of in-building network.
- Managed and optimized frequency plan as part of network optimization.

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:
APPLICATION OF NEW CINGULAR WIRELESS PCS, LLC (AT&T) FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE AND OPERATION OF A TELECOMMUNICATIONS TOWER FACILITY IN COLEBROOK, CONNECTICUT

DOCKET NO. 440

October 16, 2013

AFFIDAVIT OF

David Vivian of SAI Communications, being duly sworn, deposes and states that:

1. I am over the eighteen years of age and understand the obligation of making a statement under oath.
2. On October 10, 2013, I supervised and witnessed the posting of a notice sign at 522 Colebrook Road, Colebrook, Connecticut, noticing the Connecticut Siting Council application filing and the details of the hearing for Docket 440 scheduled on October 24, 2013.
3. The attached photographs were taken of the posted notice signs evidencing the installation of same at each location.

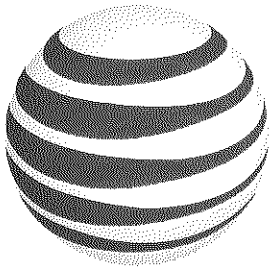
Signed: _____

Print: David Vivian

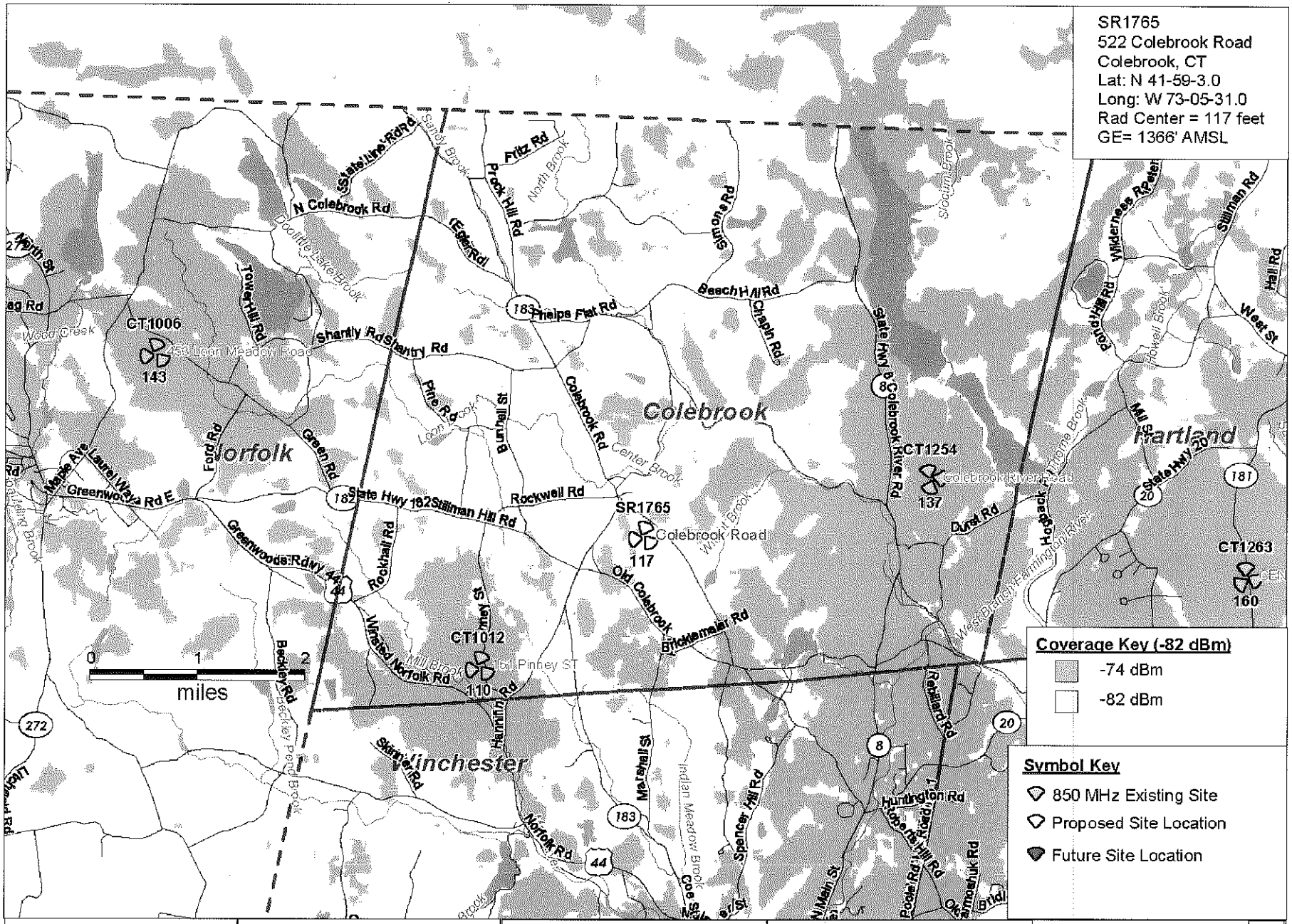
Subscribed and sworn to before me
this 16 day of October, 2013

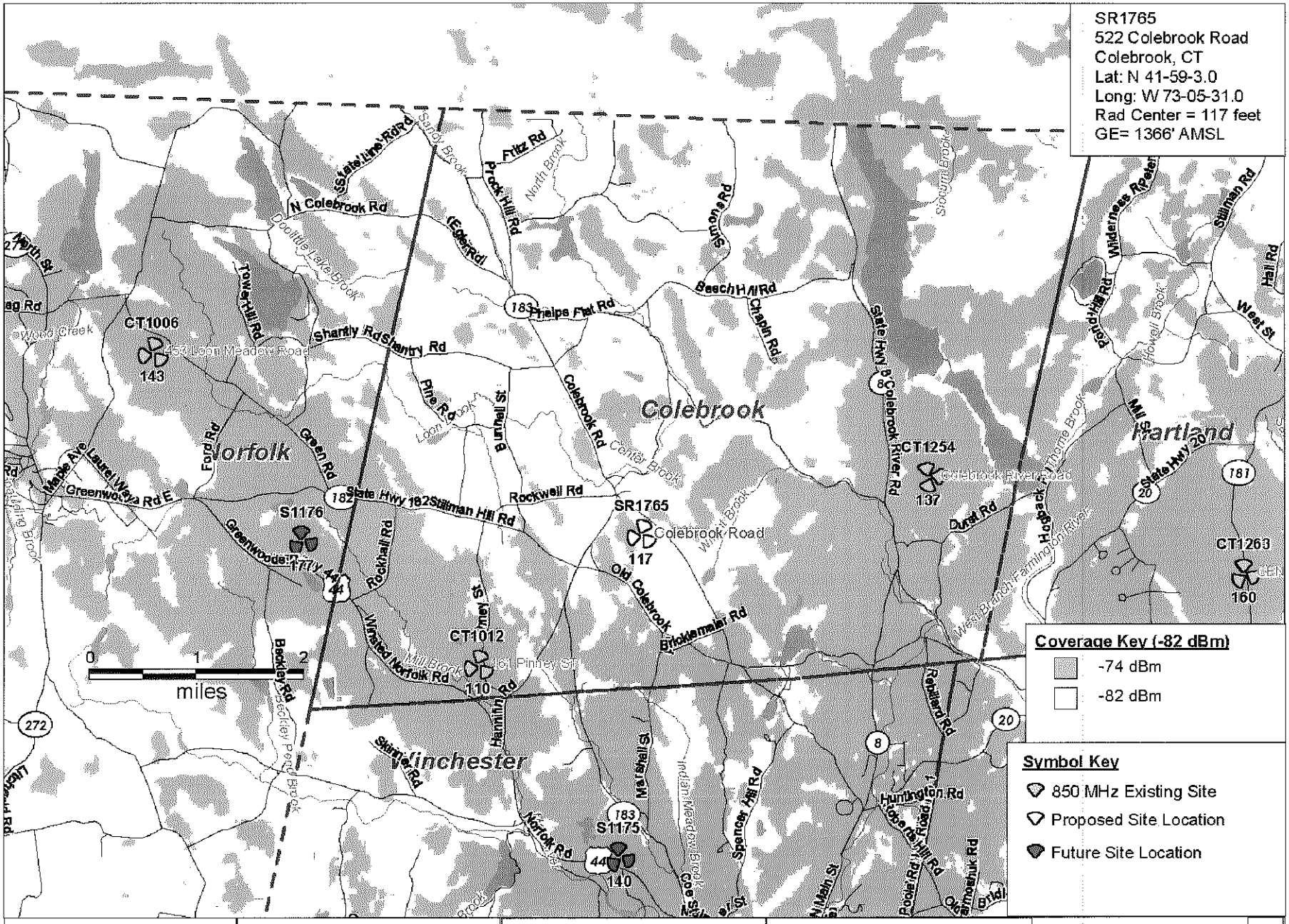
Notary Public
My commission expires: 9/30/17

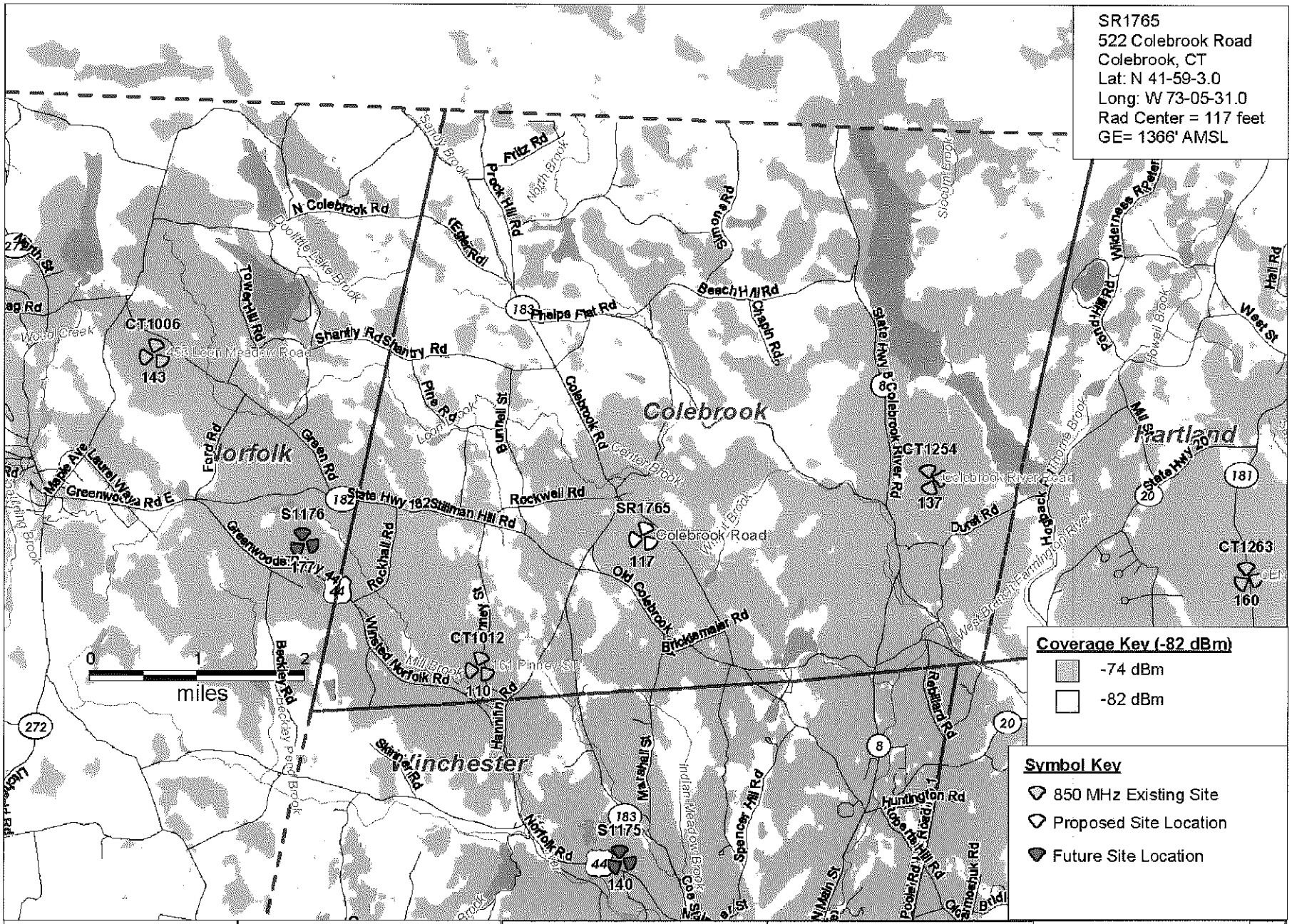
C&F: 2255762.2



Docket 440
Public Hearing Presentation
October 24, 2013 – 7:00 pm


SR1765
522 Colebrook Road
Colebrook, CT
Lat: N 41-59-3.0
Long: W 73-05-31.0
Rad Center = 117 feet
GE= 1366' AMSL
CT1006
453 Loon Meadow Road
143
SR1765
Colebrook Road
117
CT1254
137
CT1263
160
CT1012
161 Pinney ST
110
Colebrook
Norfolk
Hartland
Winchester
0
1
2
miles
Coverage Key (-82 dBm)
-74 dBm
-82 dBm
Symbol Key
850 MHz Existing Site
Proposed Site Location
Future Site Location
Existing Coverage
SR1765
Colebrook, CT
522 Colebrook Road
Colebrook CT
at&t
PREPARED ON
DATE: 06/27/2013
REV 0


SR1765
522 Colebrook Road
Colebrook, CT
Lat: N 41-59-3.0
Long: W 73-05-31.0
Rad Center = 117 feet
GE= 1366' AMSL
CT1006
152 Loon Meadow Road
143
S1176
117
SR1765
Colebrook Road
CT1012
110
S1175
140
CT1254
137
CT1263
160
Colebrook
Norfolk
Winchester
Hartland
0 1 2
miles
Coverage Key (-82 dBm)
-74 dBm
-82 dBm
Symbol Key
850 MHz Existing Site
Proposed Site Location
Future Site Location
Existing and Future Coverage
SR1765 Colebrook, CT
522 Colebrook Road Colebrook CT
at&t
PREPARED ON
DATE: 06/27/2013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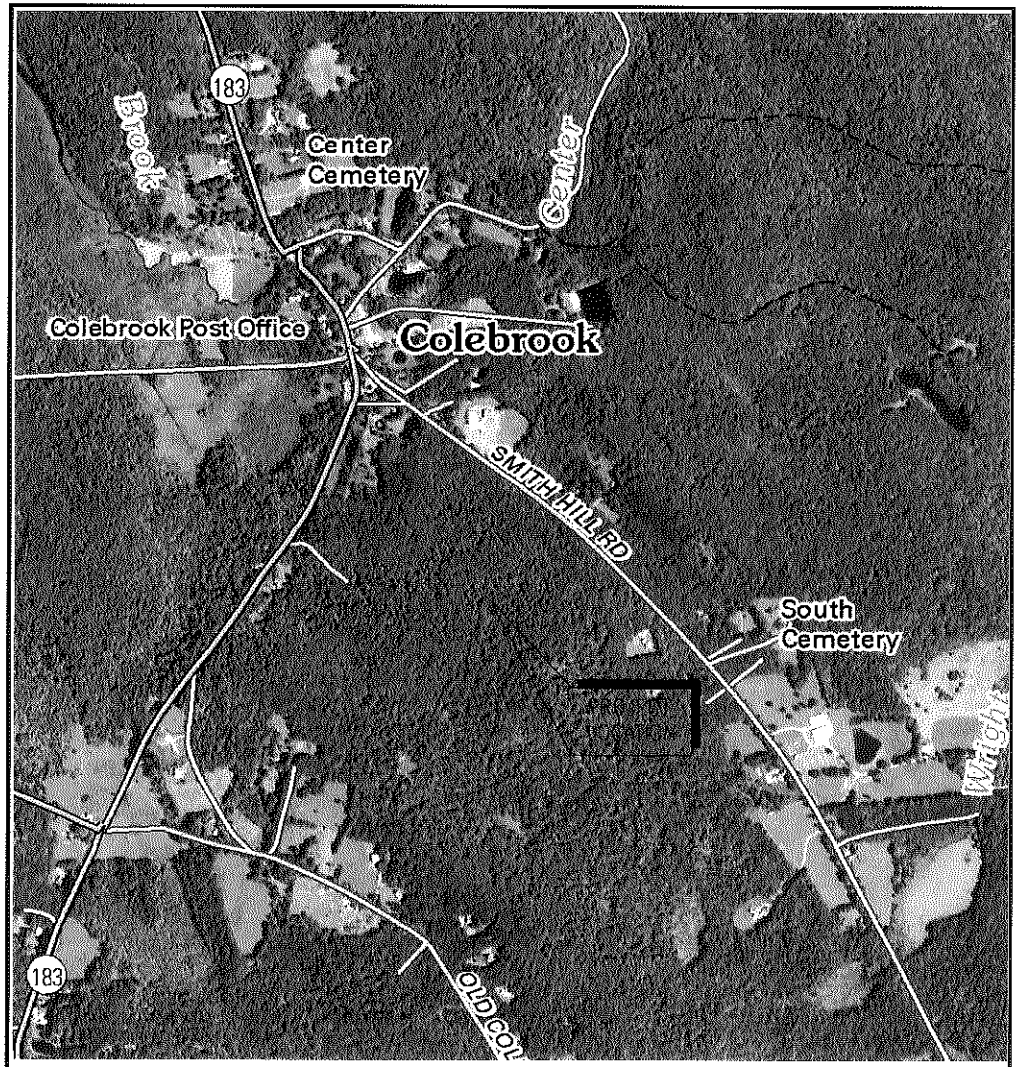
Norfolk
Hartland
Winchester
CT1006
458 Loon Meadow Road
143
S1176
177
SR1765
Colebrook Road
117
CT1012
161 Pinney St
110
S1175
140
CT1254
137
CT1263
160
0 1 2
miles
Coverage Key (-82 dBm)
-74 dBm
-82 dBm
Symbol Key
850 MHz Existing Site
Proposed Site Location
Future Site Location
Existing, Proposed and Future Coverage
SR1765
Colebrook, CT
522 Colebrook Road
Colebrook CT
at&t
PREPARED ON
DATE: 06/27/2013

		Incremental Coverage from Proposed Site
Population Coverage:	"In-Building" (≥ -74 dBm)	372
	"In-Vehicle" (≥ -82 dBm)	477
Area Covered (mi^2):	"In-Building" (≥ -74 dBm)	7.7
	"In-Vehicle" (≥ -82 dBm)	9.3
Roadway Coverage (mi):	Main:	7.3
	Secondary:	14.1
	Total:	21.4

Road	AADT	Station Number
Route 183 north of Smith Hill Road	1300	40
Route 182A northeast of Stillman Hill Road	300	8
Route 182 west of Rockwell Road	700	15
Routes 182&183 north of Old Colebrook Road	850	39
Routes 182&183 south of Old Colebrook Road	1100	10
Old Colebrook Road west of Millbrook Road	550	9
Old Colebrook Road east of Millbrook Road	350	35



1 2009 AERIAL PHOTO
SCALE: 1" = 1000'

0 500 1000
SCALE IN FEET

TRUE NORTH

CHA

2126 Silas Deane Highway, Suite 210 - Rocky Hill, CT 06067-3328
Voice: (860) 257-4507 - www.chacompanies.com

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

SR1765
COLEBROOK
522 COLEBROOK ROAD
COLEBROOK, CT 06021
LITCHFIELD COUNTY

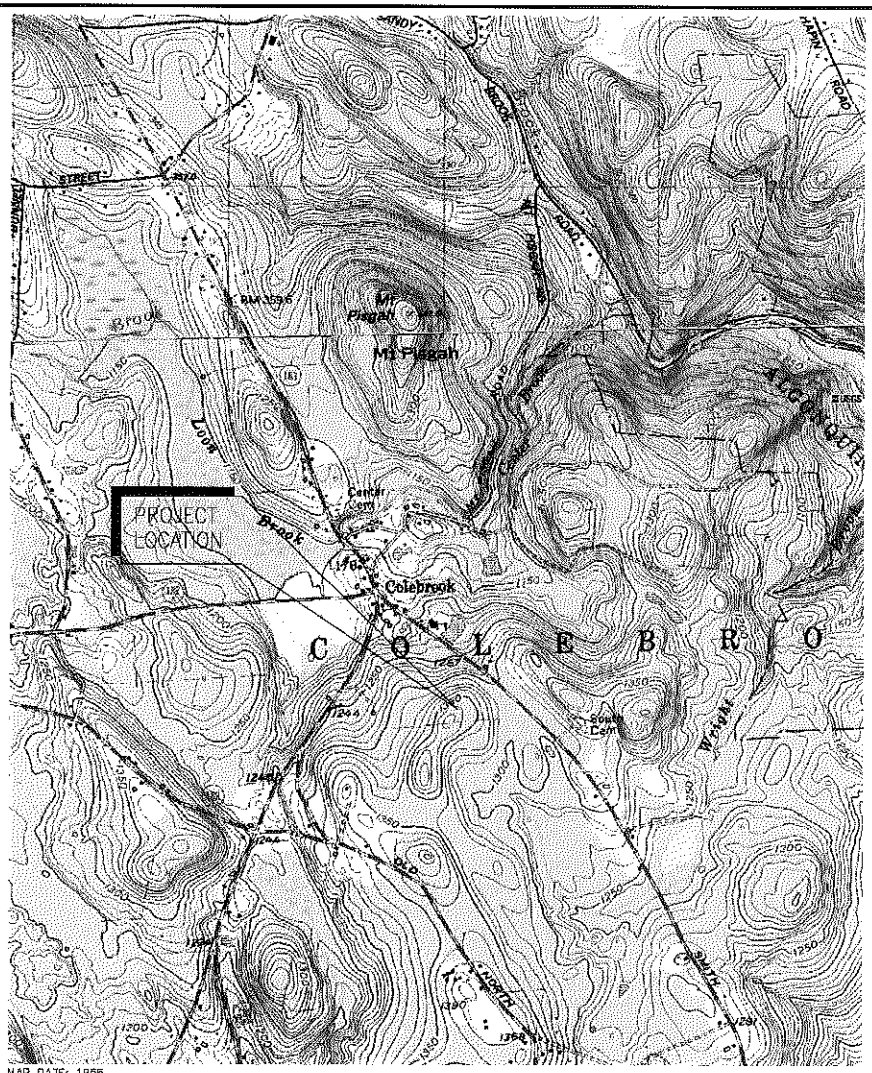
CHA PROJ. NO. - 18301-1025-43000

SHEET TITLE:
AERIAL PHOTO

DATE:
02/17/11

REVISION:
2

DATE: 7/15/2013 12:35 PM FILE:W:\SAI CINGULAR\18301\SITES\1025 COLEBROOK-WHEELER 1765\SD\SMITH HILL ROAD-FLINE THIS CHL\COLEBROOK-6 AERIAL.DWG



MAP DATE: 1956
REVISED: 1984

USGS TOPO MAP: WINSTED 41073-H1
SCALE: 1" = 2000'
0 1000 2000
SCALE IN FEET

TRUE NORTH

CHA
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522 COLEBROOK ROAD
COLEBROOK, CT 06021
LITCHFIELD COUNTY

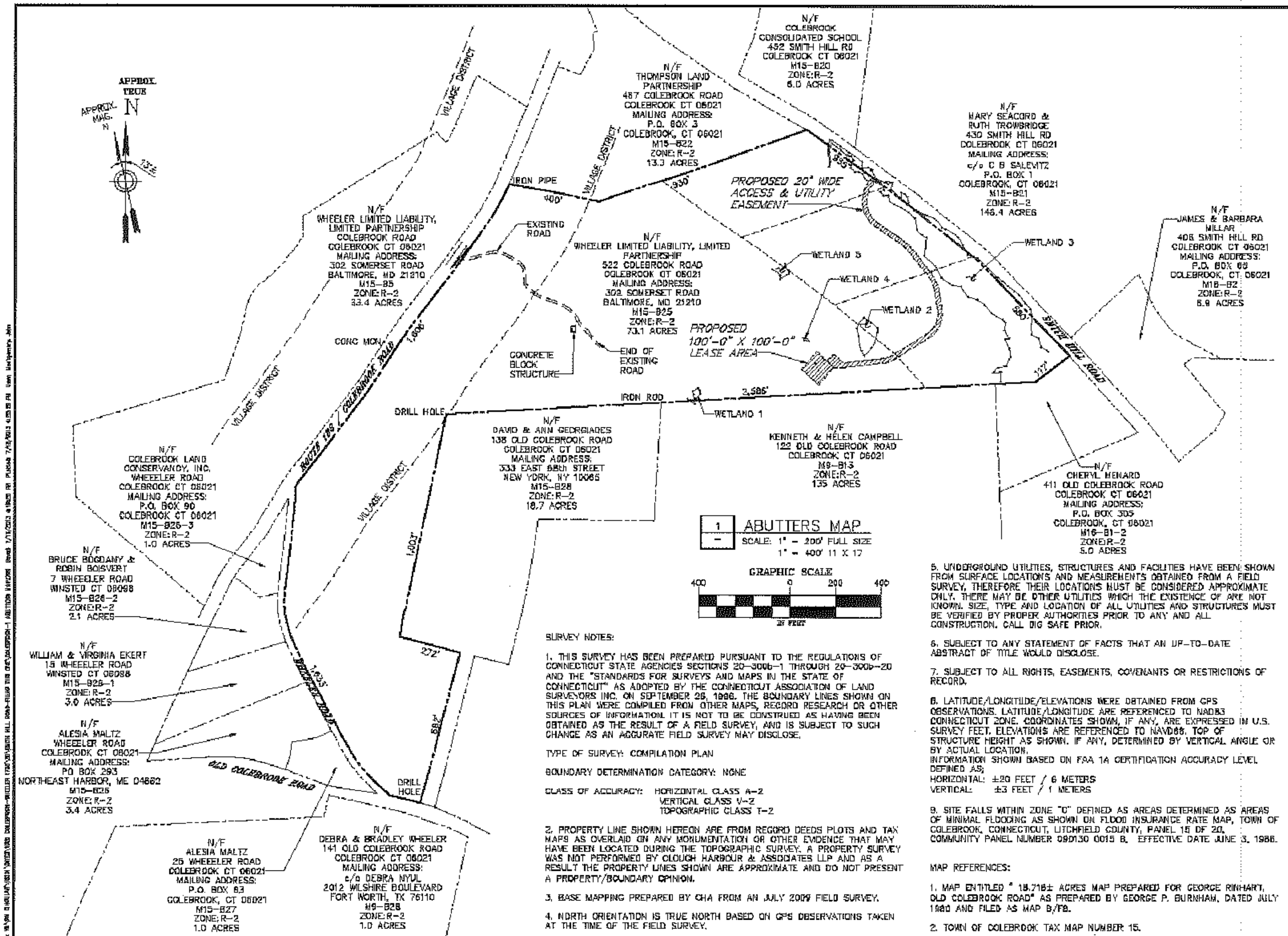
CHA PROJ. NO. - 16301-1025-43000

SHEET TITLE:
USGS TOPO MAP

DATE:
02/17/11

REVISION:
2

DATE: 2/18/2013 12:03 PM FILE: M:\CN CINGULAR\16301\SITES\1025 COLEBROOK-WHEELER 1765\LD\SMITH HILL Road-Hunnewell Hall Brook\COLEBROOK-S USGS.DWG



1 ABUTTERS MAP

SCALE: 1" = 200' FULL SIZE
1" = 400' 11 X 17

GRAPHIC SCALE (IN FEET): 400 0 200 400

SURVEY NOTES:

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1996. THE BOUNDARY LINES SHOWN ON THIS PLAN WERE COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.

TYPE OF SURVEY: COMPILATION PLAN

BOUNDARY DETERMINATION CATEGORY: NONE

CLASS OF ACCURACY: HORIZONTAL CLASS A-2
VERTICAL CLASS V-2
TOPOGRAPHIC CLASS T-2

2. PROPERTY LINE SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND TAX MAPS AS OVERLAID ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY SURVEY WAS NOT PERFORMED BY CLOUGH HARBOUR & ASSOCIATES LLP AND AS A RESULT THE PROPERTY LINES SHOWN ARE APPROXIMATE AND DO NOT PRESENT A PROPERTY/BOUNDARY OPINION.

3. BASE MAPPING PREPARED BY CHA FROM AN JULY 2009 FIELD SURVEY.

4. NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.

5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.

6. SUBJECT TO ANY STATEMENT OF FACTS THAT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.

7. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.

8. LATITUDE/LONGITUDE/ELEVATIONS WERE OBTAINED FROM GPS OBSERVATIONS. LATITUDE/LONGITUDE ARE REFERENCED TO NAD83 CONNECTICUT ZONE. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD88. TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION.
INFORMATION SHOWN BASED ON FAA 1A CERTIFICATION ACCURACY LEVEL DEFINED AS;
HORIZONTAL: ±20 FEET / 6 METERS
VERTICAL: ±3 FEET / 1 METERS

9. SITE FALLS WITHIN ZONE "C" DEFINED AS AREAS DETERMINED AS AREAS OF MINIMAL FLOODING AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF COLEBROOK, CONNECTICUT, LITCHFIELD COUNTY, PANEL 15 OF 20. COMMUNITY PANEL NUMBER 090130 0015 B. EFFECTIVE DATE JUNE 3, 1986.

MAP REFERENCES:

1. MAP ENTITLED " 18.718± ACRES MAP PREPARED FOR GEORGE RINHART, OLD COLEBROOK ROAD" AS PREPARED BY GEORGE P. BURNHAM, DATED JULY 1980 AND FILED AS MAP B/F8.

2. TOWN OF COLEBROOK TAX MAP NUMBER 15.

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500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

CHA

CHA PROJECT NO:
16301 - 1025 - 43000

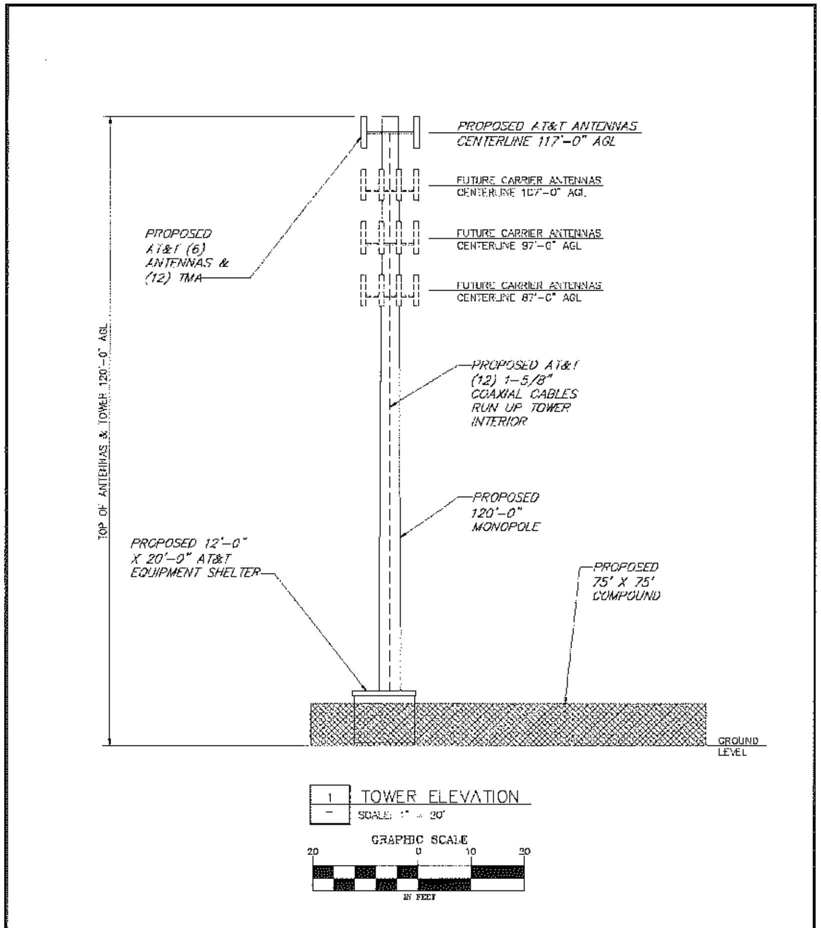
NO.	SUBMITTAL		
0	07/10/09	ISSUED FOR CSC CERTIFICATE	
	BY: PAL	CHK: PAL	APP'D: JPS
1	12/03/09	MOVED ROAD	
	BY: PAL	CHK: PAL	APP'D: JPS
2	02/12/11	REVISED TOWER HEIGHT	
	BY: RDH	CHK: PAL	APP'D: JPS
3	05/17/13	UPDATED ABUTTERS	
	BY: PAL	CHK: PAL	APP'D: JPS
4	07/18/13	REVISED ACCESS DRIVE ALIGN.	
	BY: JDM	CHK: PAL	APP'D: JPS

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

SITE ID:
SR1765
SITE NAME:
COLEBROOK
SITE ADDRESS:
522 COLEBROOK ROAD
COLEBROOK, CT
06021
LITCHFIELD COUNTY

SHEET TITLE
ABUTTERS MAP

SHEET NUMBER
C01



CHA

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500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067

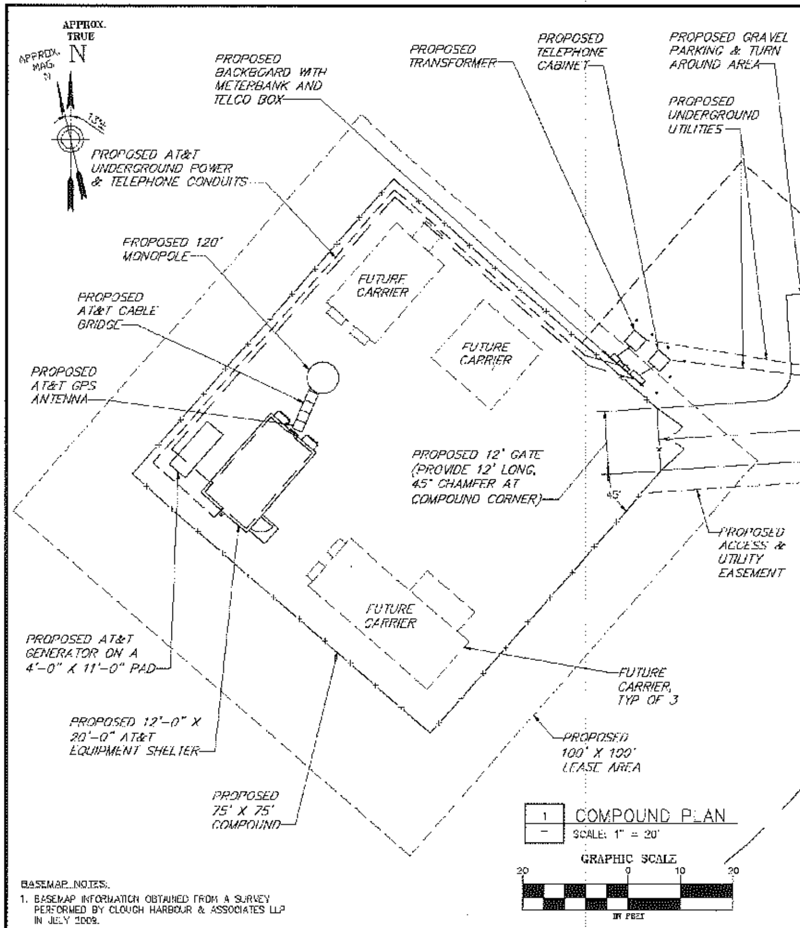
SR1765
COLEBROOK
522 COLEBROOK ROAD
COLEBROOK, CT 06021
LITCHFIELD COUNTY

CHA PROJ. NO. – 18301-1025-43000

SHEET TITLE: TOWER ELEVATION

DATE: 02/17/11

REVISION: 2



BASEMAP NOTES:

1. BASEMAP INFORMATION OBTAINED FROM A SURVEY PERFORMED BY CLOUGH HARBOUR & ASSOCIATES LLP IN JULY 2009.

CHA

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

SR1765
COLEBROOK
522 COLEBROOK ROAD
COLEBROOK, CT 06021
LITCHFIELD COUNTY

CHA PROJ. NO. – 18301-1025

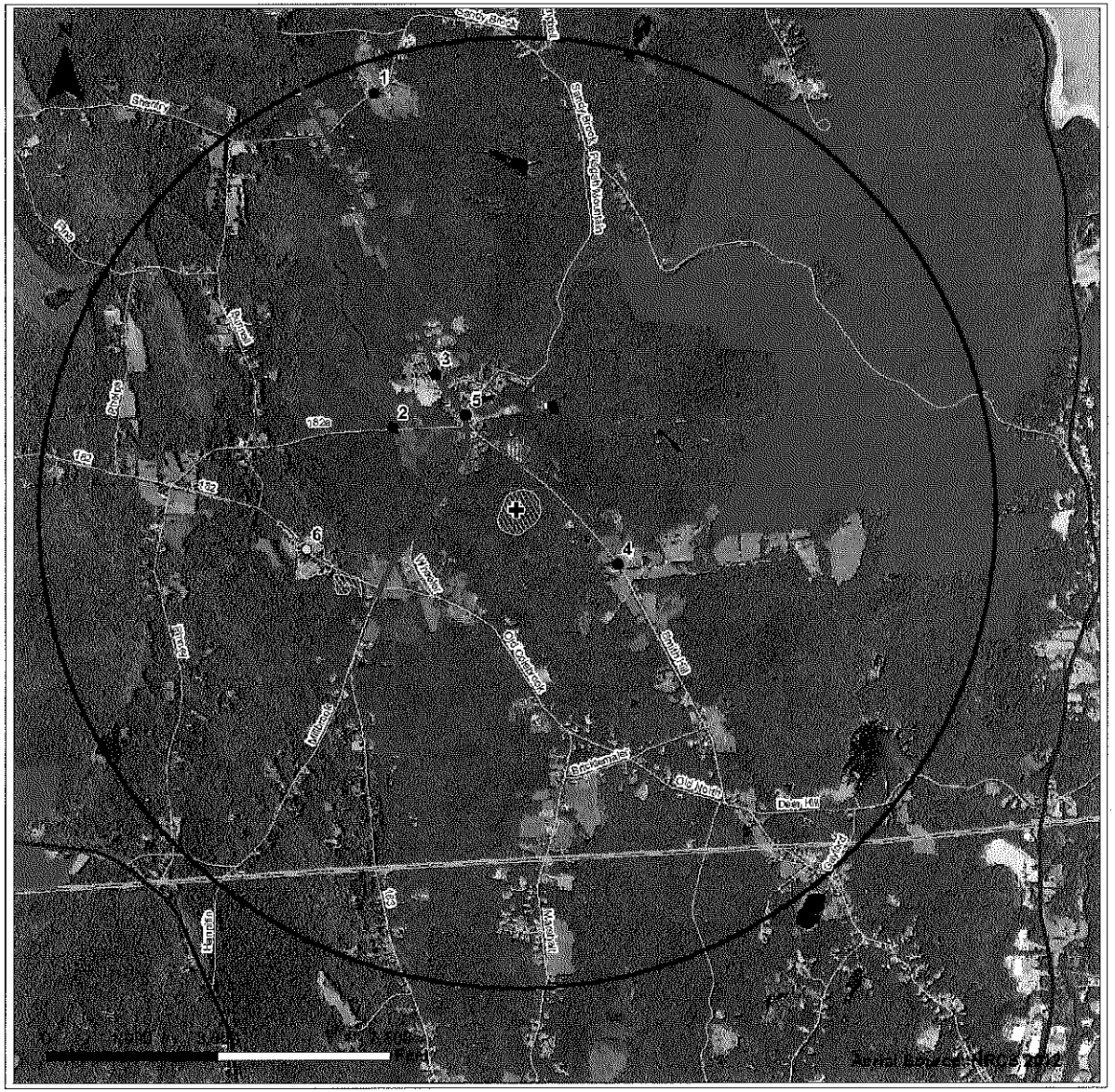
SHEET TITLE: COMPOUND PLAN

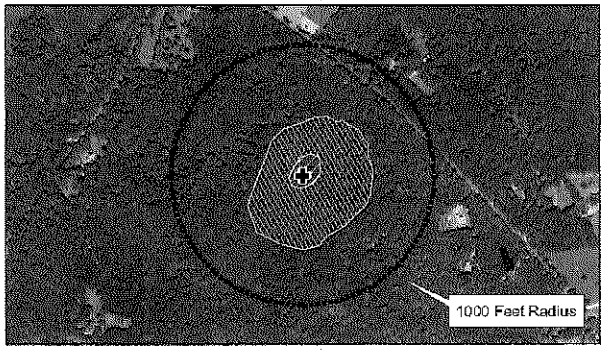
DATE: 07/15/2013

REVISION: 3

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	117	880	2	500	0.0292	0.5867	4.98%
	AT&T UMTS	117	1900	2	500	0.0292	1.0000	2.92%
	AT&T LTE	117	734	1	500	0.0146	0.4893	2.98%
							Total	**10.88%**





VISIBILITY ANALYSIS - AERIAL BASE

Proposed Wireless Telecommunications Facility

522 COLEBROOK ROAD
COLEBROOK, CT

Proposed facility height is 120 feet AGL
Existing tree canopy height estimated at 65 feet AGL
Study area includes 8,042 acres of land

Map compiled 6/27/2013

Map information field verified by All-Points Technology Corporation on May 11, 2013

Only those resources located within the Study Area are depicted. For a complete list of data sources consulted for this analysis, please refer to the Documentation Page.

Legend

- Proposed Facility

Photo Locations

- No Visibility
- Year-round Visibility
- Scenic Highways
- Predicted Year-Round Visibility
- Predicted Seasonal Visibility
- Municipal Private Open Space
- 2-Mile Study Area
- State Forest
- Wildlife Area or Sanctuary
- Town

Location

ALL-POINTS
TECHNOLOGY CORPORATION
3 Saddlebrook Drive, Killingworth, CT 06419
www.allpointstech.com

at&t

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
1	ADJACENT TO #16 SANDY BROOK ROAD	SOUTHEAST	+/- 1.85 MILES	NOT VISIBLE

All Points Consulting

at&t

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
2	ROUTE 182A	SOUTHEAST	+/- 0.58 MILE	NOT VISIBLE

ALL-POINTS

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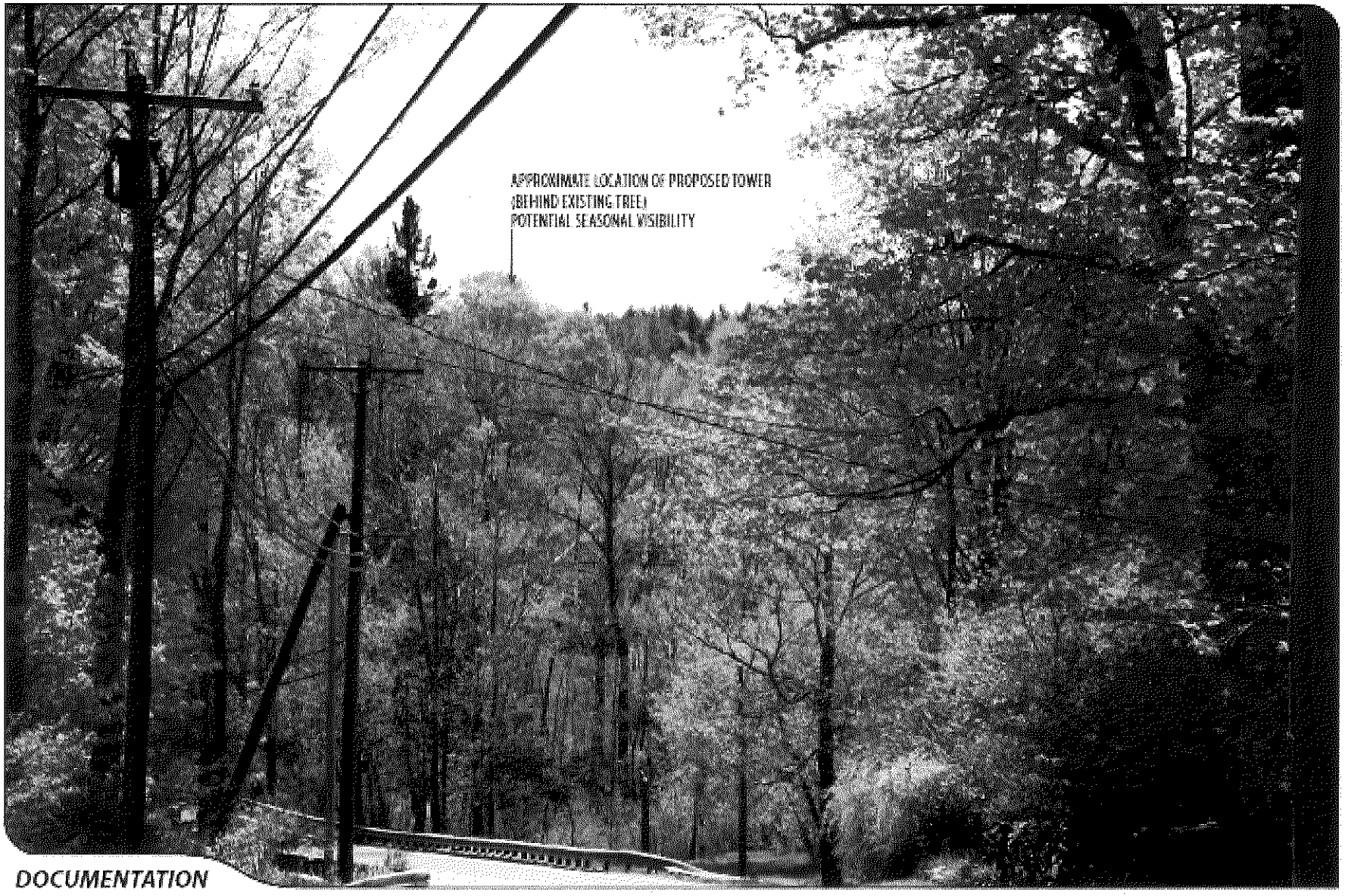

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
3	ROUTE 183 ADJACENT TO COLEBROOK CENTER CEMETERY	SOUTHEAST	+/- 0.65 MILE	NOT VISIBLE

All-Points Technology Corporation, P.C.

at&t

DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
4	ADJACENT TO #381 SMITH HILL ROAD	NORTHWEST	+/- 0.54 MILE	NOT VISIBLE

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DOCUMENTATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
5	COLEBROOK CENTER ROUTE 183 JUST NORTH OF POST OFFICE	SOUTHEAST	+/- 0.44 MILE	NOT VISIBLE

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SIMULATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
6	ADJACENT TO #33 STILLMAN HILL ROAD	NORTHEAST	+/- 0.82 MILE	YEAR ROUND

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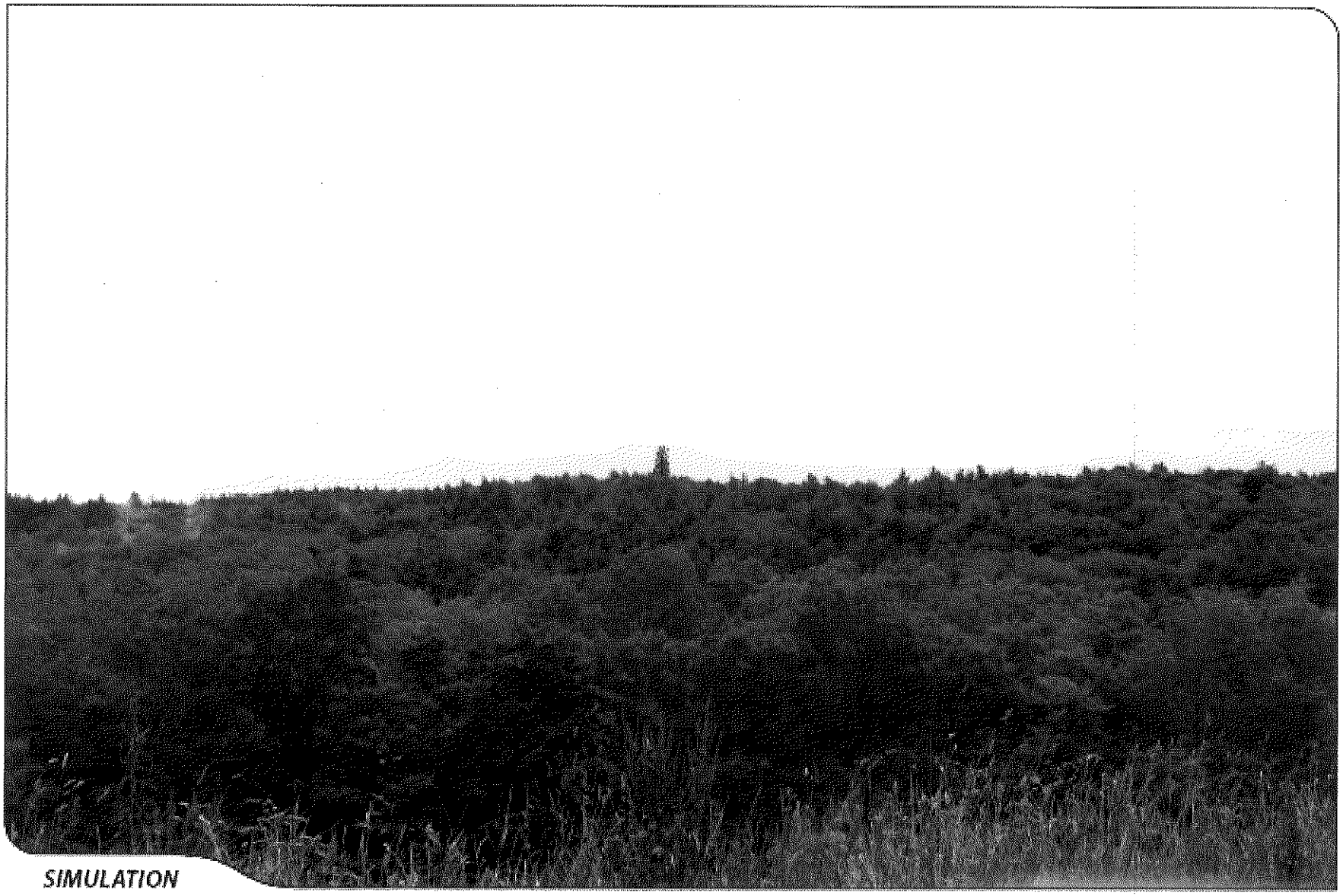

SIMULATION

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
6	ADJACENT TO #33 STILLMAN HILL ROAD	NORTHEAST	+/- 0.82 MILE	YEAR ROUND

ALL-POINTS TECHNOLOGY CORPORATION

at&t

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:
APPLICATION OF NEW CINGULAR WIRELESS PCS, LLC (AT&T) FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE AND OPERATION OF A TELECOMMUNICATIONS TOWER FACILITY AT 522 COLEBROOK ROAD IN THE TOWN OF COLEBROOK

DOCKET NO. 440

October 17, 2013

APPLICANT'S PRE-FILED STATEMENT OF FACTS IN LIEU OF DIRECT TESTIMONY

- AT&T requires a new wireless facility in the south-central portion of Colebrook to address the identified lack of reliable in-vehicle and in-building coverage in this area.
- In February of 2011, AT&T commenced a 16-50*l* municipal consultation with the Town of Colebrook regarding its proposed facility. The consultation included a public information meeting where members of the community and town officials had an opportunity to discuss the proposed facility with representatives of AT&T. Shortly thereafter, AT&T deferred filing an application for business reasons.
- Earlier this year, this project was funded by AT&T to proceed through the application process.
- In 2013, AT&T re-reviewed the area, confirmed that no new structures were constructed since 2011 and confirmed that the proposed site is the only known available location for the proposed tower facility.
- On April 12, 2013, AT&T contacted the Colebrook First Selectman to advise him of the decision to proceed with the proposed Facility and provided copies of the 2011 Technical Report to the First Selectman, Planning & Zoning Commission, Inland Wetlands Commission and Land Use Administrator.
- AT&T provided notice to the Town of Colebrook of a balloon float that took place on May 10, 2013.
- The Colebrook First Selectman advised AT&T that another informational meeting or additional consultation was not necessary.

- No significant adverse environmental impacts associated with AT&T's proposed Facility were identified by AT&T's consultants as part of federal, state and local reviews to date.

- AT&T designed the access drive for the proposed Facility from Smith Hill Road (rather than Colebrook Road) to accommodate requests of some abutters to avoid an underground pipe on the west side of the site that conveys water through to the neighboring parcels.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and fifteen copies of the foregoing were sent electronically and by overnight mail to the Connecticut Siting Council and:

Thomas D. McKeon
First Selectman
Town of Colebrook
P.O. Box 5
Colebrook, CT 06021
860-379-3359
tmckeon@colebrooktownhall.org

Dated: October 17, 2013

Lucia Chiocchio

Lucia Chiocchio

cc: Michele Briggs, AT&T
David Vivian
Tony Wells
Martin Lavin
Mike Libertine
Dean Gustafson
Paul Lusitani
Christopher B. Fisher, Esq.