

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF AMERICAN TOWERS LLC
(ATC) 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 IN
EAST LYME, CONNECTICUT

DOCKET NO. 463A

October 25, 2016

**HEARING INFORMATION OF
AMERICAN TOWERS AND NEW CINGULAR WIRELESS**

American Towers, LLC (“ATC”) and New Cingular Wireless PCS, LLC (“AT&T”) (together the “Applicants”), submit 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 Christopher B. Fisher, Esq., Cuddy & Feder, LLP.

List of Witnesses

1. Dan Bilezikian, Site Acquisition Specialist, SAI Communications, Inc. Scope of testimony to include prior AT&T site search (note no direct involvement with work until the Fall of 2015 and Mr. Bilezikian replaces a consultant no longer employed by SAI and AT&T).
2. Camilo A. Gaviria, P.E., Centek Engineering, Inc. Scope of testimony to include site civil, structural and storm water engineering.
3. Harry Rocheville, P.E., Centek Engineering, Inc. Scope of testimony to include site civil, structural and storm water engineering.
4. Martin Lavin, C-Squared Systems. Scope of testimony to include AT&T’s radio frequency need and relocations analyses.
5. Michael Libertine, LEP, Director of Siting and Permitting, All-Points Technology Corporation, P.C. Scope of testimony to include visual resource evaluations and State Historic Preservation Officer (SHPO) and Tribal Historic Preservation Officer (THPO) consultations investigations as well as species and habitat reviews.

Resumes/professional biographies attached.

Documents to be Administratively Noticed

None at this time.

Exhibits to be Offered

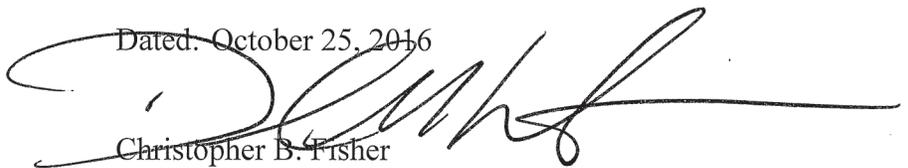
The Applicants will offer as exhibits the following:

1. Amended application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at 351A Boston Post Road, East Lyme, Connecticut or for the construction, maintenance and operation of a telecommunications facility at an alternative site located at 2 Arbor Crossing, East Lyme, Connecticut pursuant to Connecticut General Statutes §4-181a(a).
2. Applicants' Responses to Siting Council Interrogatories Set I, dated October 25, 2016.
3. Affidavits of Sign Posting with Photographs for 2 Arbor Crossing dated October 17, 2016 and 351A Boston Post Road.
4. PowerPoint presentation for November 1, 2016 public hearing session

Additional Exhibits

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

Dated: October 25, 2016



Christopher B. Fisher

Daniel M. Laub

Cuddy & Feder LLP

445 Hamilton Avenue, 14th Floor

White Plains, New York 10601

(914)-761-1300

ATTACHMENT 1

Daniel Bilezikian

260 Cedar Hill St., Marlboro, MA 01752
Phone: 401-368-0006 (cell) ~ 508-252-5888 (fax)
Email: dan.bilezikian@sai-comm.com

QUALIFICATIONS

Seasoned telecommunications professional. Over 14 years telecommunications siting and permitting experience in the challenging New England environment.

PROFESSIONAL EXPERIENCE

Site Acquisition Specialist, Site Acquisitions, Inc. (April 2002 – Present)

Responsible for the identification, leasing, zoning and permitting of sites for New Cingular Wireless, PCS (AT&T) primarily in the Eastern Massachusetts, Rhode Island, and Connecticut markets. Coordinates subcontractor engineering services and due diligence, and preparation for Connecticut Siting Council (“CSC”) filings and hearing proceedings. Provides testimony at CSC proceedings.

Site Acquisition Specialist, American Tower Corporation (March 2001 – April 2002)

Assigned to in-house site acquisition consulting team serving Cingular Wireless in the Massachusetts market. Responsible for the identification, leasing, zoning and permitting of sites and coordination of subcontractor engineering and due diligence.

Principal, Enviro-Tech Drilling, Inc. (January 1986 – February 2001)

Founder and manager of this environmental/geotechnical drilling firm. Services included test borings, soil sampling, and monitor well installation throughout New England and New York.

Production Geologist, Shell Oil Co., New Orleans, LA, Bakersfield, CA (January 1981 – June 1985)

Responsible for implementing development of proven oil and gas reserves in South Texas and the San Joaquin Valley, California.

EDUCATION

University of Arizona (1980), B.S. Geological Engineering

References available upon request

PROFILE

Mr. Gaviria has over 10 years of experience in structural engineering design and approximately 3 years of project management. He has been responsible for the design on a broad set of publicly and privately developed projects as well as having been responsible for the project management of approximately 400 telecommunications facilities within the Northeast and California. Significant projects have included schools, public housing projects, building restoration, commercial buildings, and telecommunication facilities.

REPRESENTATIVE PROJECTS**Structural Design**

LA Fitness International (Hamden, CT) • Watertown Fire Department (Watertown, CT) • Sterling Power Plant Cogeneration & Expansion, Yale University School of Medicine (New Haven, CT) • Medical Office Building, Hartford Medical Group (South Windsor, CT) • Kaplan Residence (Guilford, CT) • Retail Building (Bethel, CT) • Rite Aid Pharmacy (Northeast Region) • Walgreens Pharmacy (Northeast Region) • Stratfield Elementary School Additions and Renovations (Fairfield, CT) • CCSU Balf-Savin Field Bleachers (New Britain, CT) • CT Center for Child Development (Milford, CT) • AT&T Mobility (Greater New York Area) • AT&T Mobility (Bay Area, CA)

Peer Review

Aldi Distribution Center (South Windsor, CT) • Trumbull High School (Trumbull, CT) • Albion Street Apartments (Bridgeport, CT)

Structural Condition Survey

The Rao Building Renovations (New Britain, CT) • Stratfield Elementary School Additions and Renovations (Fairfield, CT) • AT&T Mobility (Greater New York Area) • Manchester Community Center (Manchester, CT)

Special Inspection Coordination

Sterling Power Plant Cogeneration & Expansion, Yale University School of Medicine (New Haven, CT) • Kaplan Residence (Guilford, CT) • Stratfield Elementary School Additions and Renovations (Fairfield, CT) • Fair Haven Community Health Center (New Haven, CT) • Yale Marsh Botanical Greenhouse No.4 (New Haven, CT) • Center for Child Development (Milford, CT) • Casa de Francisco (Hartford, CT)

EDUCATION

B.S., Engineering with an emphasis in Structural Engineering, Roger Williams University, Bristol, Rhode Island.

REGISTRATIONS AND MEMBERSHIPS

- Professional Engineer: State of CT #27517
- Professional Engineer: State of NJ #51802
- Professional Engineer: State of NY #094735-1
- NCEES Record Holder: #58246

PROFESSIONAL EXPERIENCE**Project Engineer:**

- Project management of approximately 400 unmanned telecommunications facilities.
- Managing/forecasting schedule for engineering deliverables.
- Identifying and keeping track of in/out of scope items while managing cost approvals from client
- Review structural calculations performed by junior engineers.

Structural Engineer:

- Support senior engineers in the design of structures through the origination of code driven design calculations and computer 3D structural modeling.
- Review contractor submitted documents (e.g. shop drawings, material specifications, etc.)
- Perform site visits upon contractor's request to inspect installed formwork, rebar and installed structural framing for conformance to the supplied construction drawings and vendor supplied documents.
- Perform structural condition surveys on existing structures to establish structural capacity.

WORK HISTORY

Centek Engineering, Inc. (Feb. 2015 - Present)

Bechtel Power Corp. (Sept. 2011 - Feb. 2015)

Michael Horton Assoc., Inc. (Apr. 2007 - Sept. 2011)

BL Companies, Inc. (July 2005 - Apr. 2007)

Kaestle Boos Assoc., Inc. (May 2004 - July 2005)

PROFILE

Mr. Rocheville is certified as an Engineer in Training (E.I.T.) and is aspiring to achieve Professional Engineering (P.E.) status after completion of the required experience and testing requirements. He has over 3 years of experience in Civil Engineering environments. Eager to learn and apply new skills in order to expand diversity of work. Able to adapt quickly to new challenges and problem solve. Able to work collaboratively or independently depending upon organizational needs.

REPRESENTATIVE PROJECTS**Palmer Pond, Voluntown, CT:**

Verizon Wireless Communications Facility. Four-carrier rawland facility.

Glastonbury Montano Road, Glastonbury, CT:

AT&T Wireless Communications Facility. Co-location on an existing 120-ft tall monopole tower.

Stockbridge 4, Stockbridge, CT:

Verizon Wireless Communications Facility. Facility located in abandoned compound.

Stratford West, Stratford, CT:

Verizon Wireless Communications Facility. Co-location on an existing 99-ft tall monopole tower.

Waterbury North, Waterbury, CT:

AT&T Wireless Communications Facility. Rawland facility locating on existing NU transmission tower.

QVEC/Danielson 2, Killingly, CT:

Quinebaug Valley Emergency Communications and Verizon Wireless Communications Facility. Facility expansion and additional tower installation. QVEC equipment relocated to new tower and Verizon co-located on existing tower.

Silver Hill, New Canaan, CT:

Three carrier Phoenix Partnership rawland facility with 120-ft tall unipole tower.

EDUCATION

B.S., Civil Engineering, University of New Haven, West Haven, CT

WORK EXPERIENCE**Centek Engineering, Inc. – Civil Engineer;**

(3 years) Civil engineer for various, wireless communication applications, including rawland, co-location, communication tower and transmission tower facilities. Responsible for the design of equipment compounds, analysis of existing and proposed drainage systems, and implementation of erosion and sedimentation controls. Also, responsible for managing multiple projects and corresponding with appropriate parties.

The City of New Haven Engineering Department - Internship;

(1 year) Responsible for assisting Professional Engineers on multiple city projects in different facets of Civil Engineering.



Resume of: **Martin J. Lavin** **65 Dartmouth Drive, Auburn, NH 03032** **603-644-2820**

SUMMARY: Over twenty-five years of experience in the RF and wireless communications industry.

EXPERIENCE:

C Squared Systems, LLC **2008-Present**
Senior RF Engineer

- Drive Test Services
- Intermodulation Studies
- RF Exposure Studies
- Advanced Wireless Services RF System Design
- Wireless Broadband Access Systems Engineering
- Zoning Hearing Support

U.S. Cellular, Bedford, NH **2002-2008**
Senior RF Engineer

- West Virginia / Maryland / Pennsylvania CDMA System Design and Optimization
- CDMA Capacity Planning and New Site Builds
- Subject Matter Expert for E-911, Public Safety Interference Issues, Colocation, and Technology Transitions

Independent Wireless One (Sprint Network Affiliate), Londonderry, NH **2000-2002**
Senior RF Engineer

- CDMA System Buildout in New Hampshire and Vermont
- Organized Field Office
- RF System Design and Site Selection Point of Contact with Site Acquisition and Construction
- Capacity Planning
- System Performance

Nextel, Reston, VA **1999-2000**
Senior Manager – Technology Development

- New Feature Development for the Motorola iDEN system
- Corporate RF Engineering Standards
- Evaluation of international and domestic spectrum acquisition opportunities

USI, Chantilly, VA
Program Manager

1999

- Software development projects in Europe and U.S., including budget and schedule responsibility.
- Direct client contact for requirements gathering and proposal writing.

LCC International, McLean, VA
Manager of Engineering

1991-1998

- Domestic and International Cellular & PCS System Design and Buildout
- FCC PCS Pioneer's Preference
- Strategic Planning for LCC Initial Public Offering
- Responsible for RF Design and Site Selection for Los Angeles MTA
- Wrote network equipment RFP for two PCS MTAs
- Software Product Manager for CellCAD, ANET, and MetroNET
- Managed Drive Test Services, including all Timesheet and Expense Approval

Carl T. Jones Corporation / SAIC, Springfield, VA
EMC/EMI Engineer

1987-1991

- Test and Measurement consulting for FCC compliance
- Broadcast (AM-FM-TV) consulting

EDUCATION:

University of New Hampshire – Whittemore School of Business and Economics
Master of Business Administration

Rensselaer Polytechnic Institute
Bachelor of Science, Electrical Engineering

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 22 years of professional experience in the environmental consulting field. His experience includes regulatory compliance and permitting for utility clients involving extensive interactions with the local, state and federal agencies; 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 sites. 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 throughout New England.

Employment History

- Vanasse Hangen Brustlin, Inc., 54 Tuttle Place, Middletown, Connecticut
- Director, Environmental Services May 1997 to January 2012
- Atlantic Environmental Services, Inc./GEI Consultants, Colchester, Connecticut
- Project Manager/Team Leader, January 1991 to May 1997

Key Projects

Certificates of Environmental Compatibility and Public Need, Electrical Substations, Connecticut

Project Manager in support of Applications to the CSC for the permitting of five new bulk power substations in Killingly, Guilford, Windsor, Waterford and Westport, Connecticut (2004 through 2012). 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 CT Siting Council. 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. Mike was also responsible for the preparation of Development and Management Plans to the Siting Council and providing 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 Siting and Permitting Services, Electrical Utilities

Program Manager in support of various electrical transmission projects, including assessment and permitting of bulk power substations, transmission line corridors, structures, and underground utility installations in CT and MA. Services include overseeing 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, visual analyses, preparation of technical documents, coordination with federal, state and local agencies, regulatory permitting, public outreach, and expert witness testimony. Mike has assisted clients in the siting, design and permitting of new bulk power substations, modifications to existing substations and switch yards, installing transition stations, as well as transmission line corridor studies submitted to the CT Siting Council.

Environmental Evaluations and Regulatory Permitting, Wind Farm Colebrook, Connecticut

Project Manager for environmental considerations associated with the 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 public hearings. Mike assisted this client in preparing the Development and Management Plan and pre-construction coordination efforts.

Environmental Siting and Permitting Services, Fuel Cell Installation, South Windsor, CT

Project Manager for environmental considerations associated with the development of a 4.98 megawatt fuel cell generation facility. Mike prepared an environmental assessment documenting existing environmental conditions at the site and the proposed project's impacts to water resources, vegetation and wildlife, rare species, historic and cultural resources, scenic and recreational areas, and other natural resources. Noise and air quality assessments were also included in the evaluation of how the proposed build conditions might affect the surrounding environment.

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

Program Manager for environmental due diligence, siting and permitting services in support of various telecommunications clients throughout New England and New York. Mike has worked directly for licensed wireless service providers and tower management firms since 1997. Representative project-related services 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 permit applications, and construction support. Mr. Libertine has testified on behalf of telecommunications clients in front of local municipalities and the CT Siting Council on over 350 applications.

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 existing 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. Mike also assisted the client on environmental permitting and compliance-related issues associated with the reconfiguration of three substations along the route, two in MA and one in CT.

Permitting Support Services, Interstate Reliability Project, Connecticut

Project Manager responsible for preparing Location Review documents associated with the Card Street Substation upgrades and overhead transmission line interconnections in Lebanon, Connecticut. Project tasks included evaluations of environmental impacts, including wetland resources and wildlife habitat, roadway improvements, site design, landscaping and visual impacts. Mr. Libertine acted as liaison with local officials during the technical review process and assisted in securing letters of support from the First Selectman, Planning and Zoning and Inland Wetlands Commissions.

Environmental Assessment and Constructability Review, Central Connecticut

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.

ATTACHMENT 2

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:

AMENDED APPLICATION OF AMERICAN
TOWERS, LLC (ATC) 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
FACILITY IN EAST LYME, CONNECTICUT

DOCKET NO. 463A

October ____, 2016

AFFIDAVIT OF POSTING

I CHRIS DOTSON of Birds Air Corp to Stone, 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 19, 2016, I supervised and/or witnessed the posting of a notice sign at 2 Arbor Crossing, E. Lyme, CT, noticing the Connecticut Siting Council application filing and the details of the hearing for Docket 463A scheduled on November 1, 2016.
3. The attached photographs were taken of the posted notice signs evidencing the installation of same at the location.

Signed: Chris Dotson

Print: CHRIS DOTSON

Subscribed and sworn to before me
this 18 day of October, 2016

William A. Webster, II

Notary Public

My commission expires: _____



WILLIAM A. WEBSTER, II
NOTARY PUBLIC
STATE OF CONNECTICUT
MY COMM EXP 11-30-16

PUBLIC HEARING

American Towers, LLC (ATC) and New Cingular Wireless PCS, LLC (AT&T) filed an application with the Connecticut Siting Council (Council) for construction of a telecommunications facility at 2 Arbor Crossing with access from 4 Arbor Crossing to replace the existing tower at The Orchards. The maximum height shall not exceed 105' AGL, or as otherwise determined by the Council.

The Council will hold a Public Hearing on November 1, 2016 at the East Lyme Town Hall, Upper Meeting Room, 108 Pennsylvania Avenue, Niantic, Connecticut beginning at 3:00 pm and continued at 7:00 pm. The hearing will be on an amended application from ATC and AT&T for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at 351A Boston Post Road, East Lyme, Connecticut or for the construction, maintenance and operation of a telecommunications facility at an alternative site located at 2 Arbor Crossing, East Lyme, Connecticut

A copy of the application as amended can be reviewed at the Town Clerk's Office or at the Council offices in New Britain, Connecticut. For more information, please contact the Council by telephone at (860)-827-2935, electronically at www.ct.gov/esc, or by mail at 10 Franklin Square, New Britain, Connecticut 06051.



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NEW HOMES
MODELS OPEN
www.ByCarrier.com

PUBLIC HEARING

American Towers, LLC (ATC) and New Cingular Wireless PCS, LLC (AT&T) filed an application with the Connecticut Siting Council (Council) for construction of a telecommunications facility at 2 Arbor Crossing with access from 4 Arbor Crossing to replace the existing facility at The Orchards. The maximum height shall not exceed 105' AGL, or as otherwise determined by the Council.

The Council will hold a Public Hearing on November 1, 2016 at the East Lyme Town Hall Meeting Room, 108 Pennsylvania Avenue, Niantic, Connecticut beginning at 3:00 pm and ending at 7:00 pm. The hearing will be on an amended application from ATC and AT&T for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located at 351A Boston Post Road, East Lyme, Connecticut or for the construction, maintenance and operation of a telecommunications facility at an alternative site located at 2 Arbor Crossing, East Lyme, Connecticut.

A copy of the application as amended can be reviewed at the Town Clerk's Office or at the Council offices in New Britain, Connecticut. For more information, please contact the Council by telephone at (860)-827-2935, electronically at www.ct.gov/csc, or by mail at 111 Main Square, New Britain, Connecticut 06051.

2



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:

AMENDED APPLICATION OF AMERICAN
TOWERS, LLC (ATC) AND NEW CINGULAR
WIRELESS PCS, LLC (AT&T) FOR A
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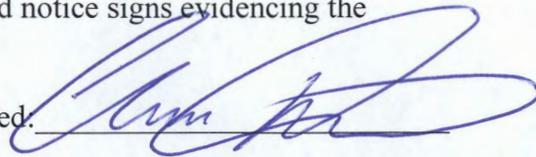
DOCKET NO. 463A

October ____, 2016

AFFIDAVIT OF POSTING

I CHRIS DOTSON of BizConnectSigns, being duly sworn,
deposes and states that:

1. I am over the ~~eighteen~~ ^{17th} years of age and understand the obligation of making a statement under oath.
2. On October 18, 2016, I supervised and/or witnessed the posting of a notice sign at 351 A Boston Post Rd, E. Lyme, CT, noticing the Connecticut Siting Council application filing and the details of the hearing for Docket 463A scheduled on November 1, 2016.
3. The attached photographs were taken of the posted notice signs evidencing the installation of same at the location.

Signed: 

Print: CHRIS DOTSON

Subscribed and sworn to before me
this 18 day of October, 2016


Notary Public
My commission expires: _____



WILLIAM A. WEBSTER, II
NOTARY PUBLIC
STATE OF CONNECTICUT
MY COMM EXP 11-30-16

Notice posted on a sign in the background, partially obscured by trees and foliage.



35

35 1A

PUBLIC HEARING

American Towers, LLC (ATC) and New Cingular Wireless PCS, LLC (AT&T) filed an application with the Connecticut Siting Council (Council) for construction of a telecommunications facility at this site. The maximum height of said tower shall not exceed 194' AGL, or as otherwise determined by the Council.

The Council will hold a Public Hearing on November 1, 2016 at the East Lyme Town Hall, Upper Meeting Room, 108 Pennsylvania Avenue, Niantic, Connecticut beginning at 3:00 pm and continued at 7:00 pm. The hearing will be on an amended application from ATC and AT&T for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at 351A Boston Post Road, East Lyme, Connecticut or for the construction, maintenance and operation of a telecommunications facility at an alternative site located at 2 Arbor Crossing, East Lyme, Connecticut

A copy of the application as amended can be reviewed at the Town Clerk's Office or at the Council offices in New Britain, Connecticut. For more information, please contact the Council by telephone at (860)-827-2935, electronically at www.ct.gov/csc, or by mail at 10 Franklin Square, New Britain, Connecticut 06051.

ATTACHMENT 3



American Tower Company,
AT&T and T-Mobile
Proposed Tower Site Relocation

2 Arbor Crossing

CSC Public Hearing -Docket 463A

November 1, 2016

Project Professionals/Witnesses

Christopher Fisher, Cuddy & Feder, Counsel

Martin Lavin, C Squared, AT&T's RF Consulting Engineer

Dan Bilezikian, SAI, Site Acquisition Specialist

Camilo Gaviria, Centek Engineering, Site Structural Engineer

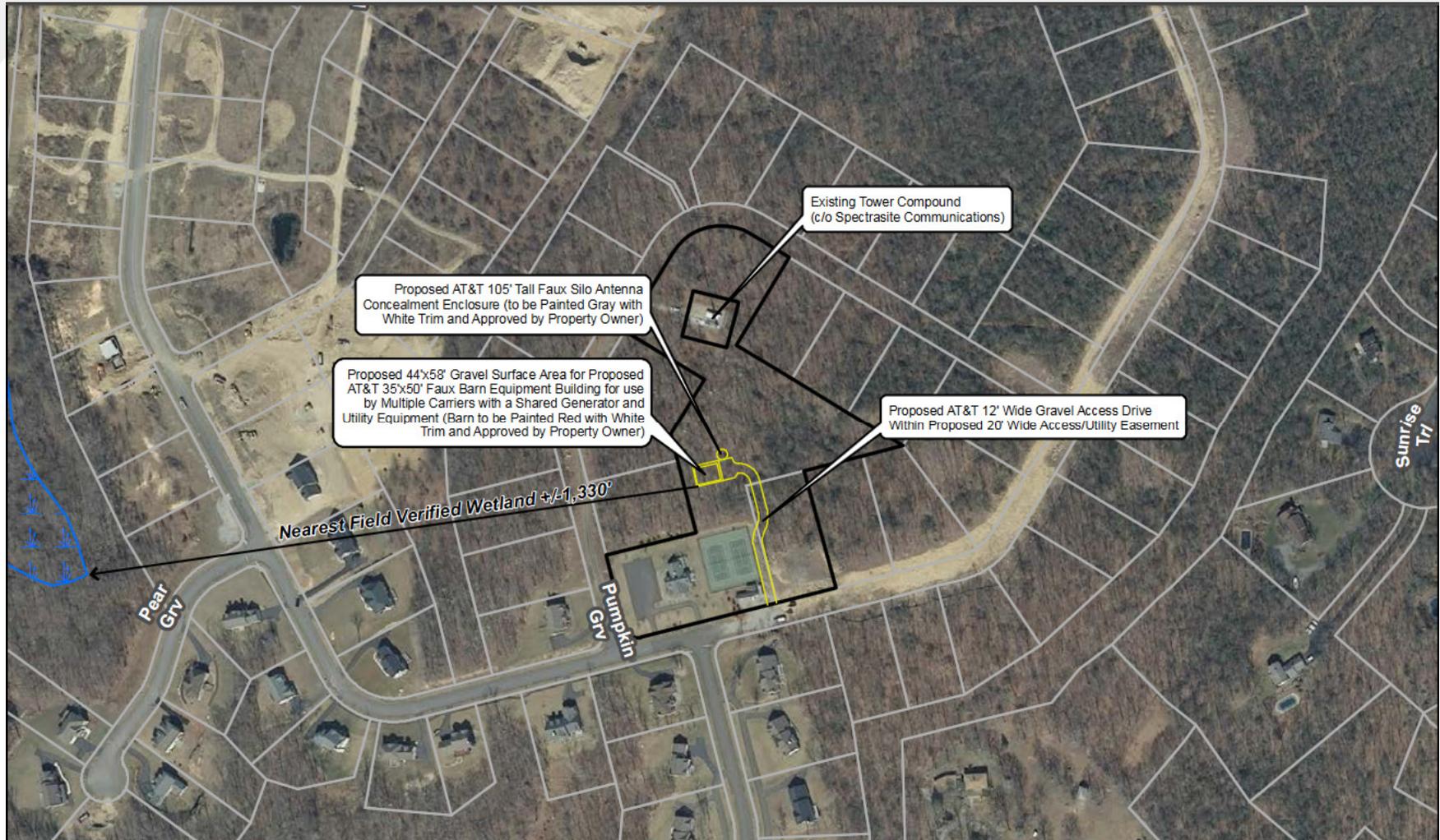
Harry Rocheville, Centek Engineering, Site Civil Engineer

Mike Libertine, APT, Visual & Environmental Consultant

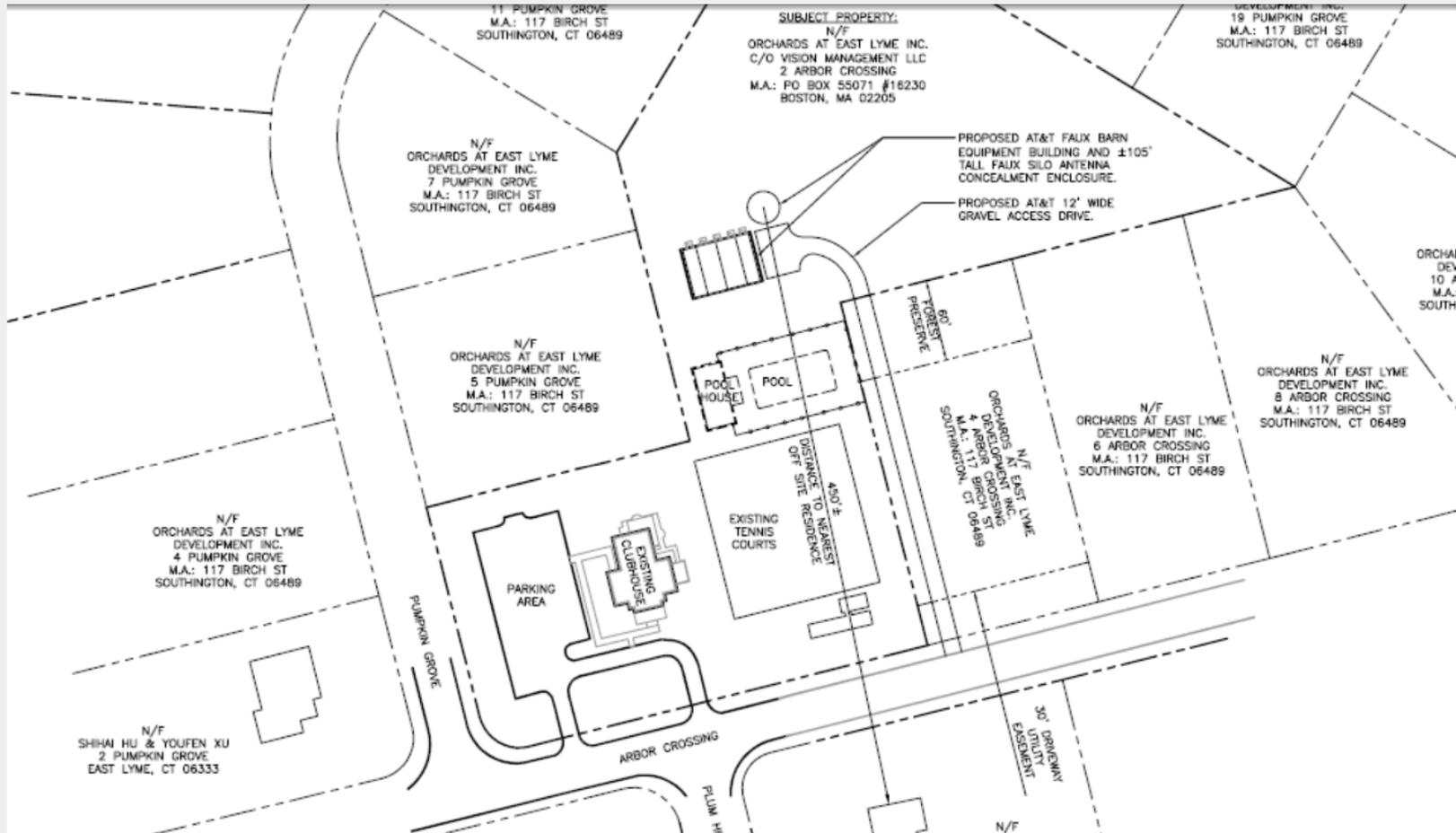
Existing Tower Site – Approximately 30 Years in Service



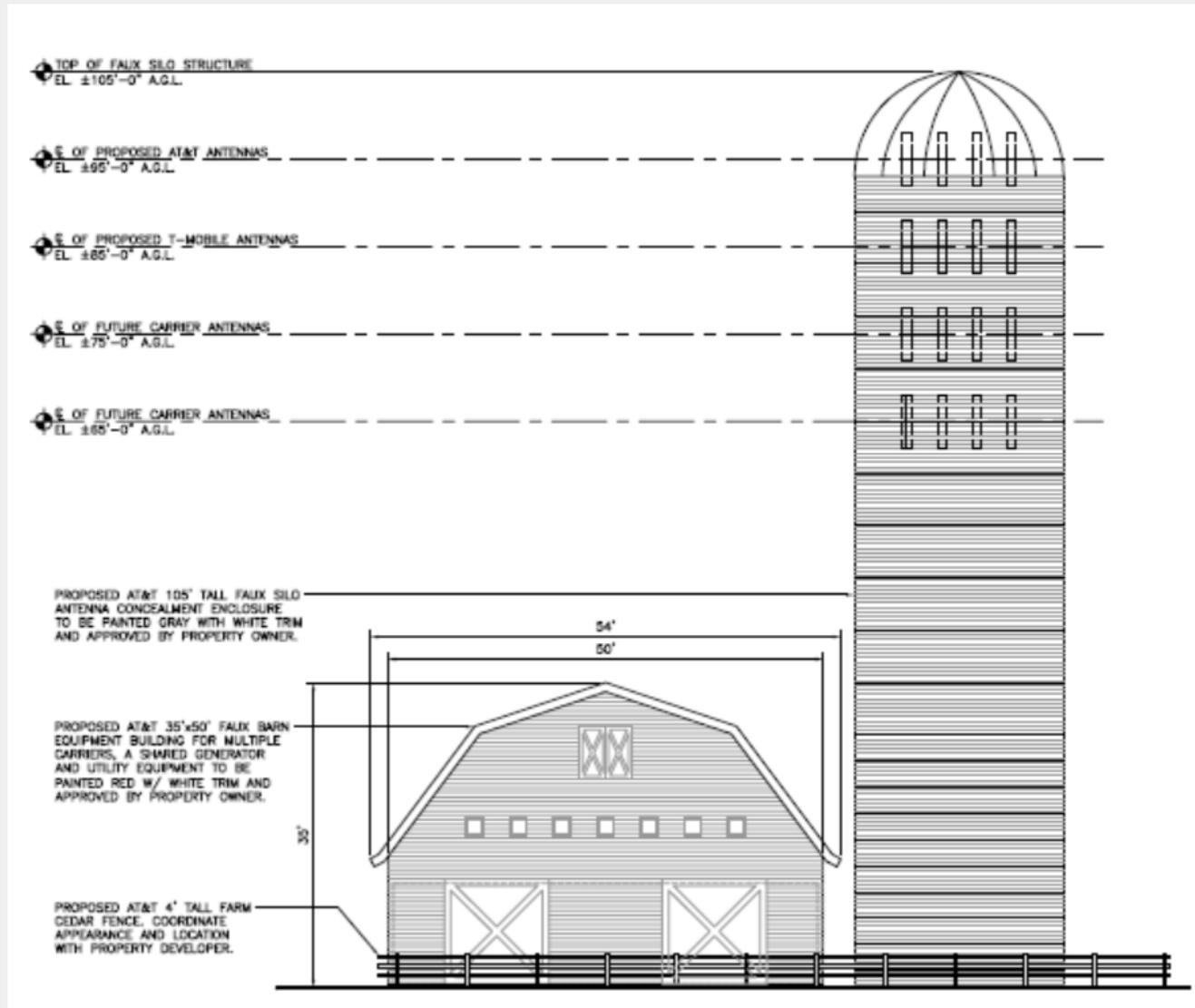
Site Location - Aerial Map

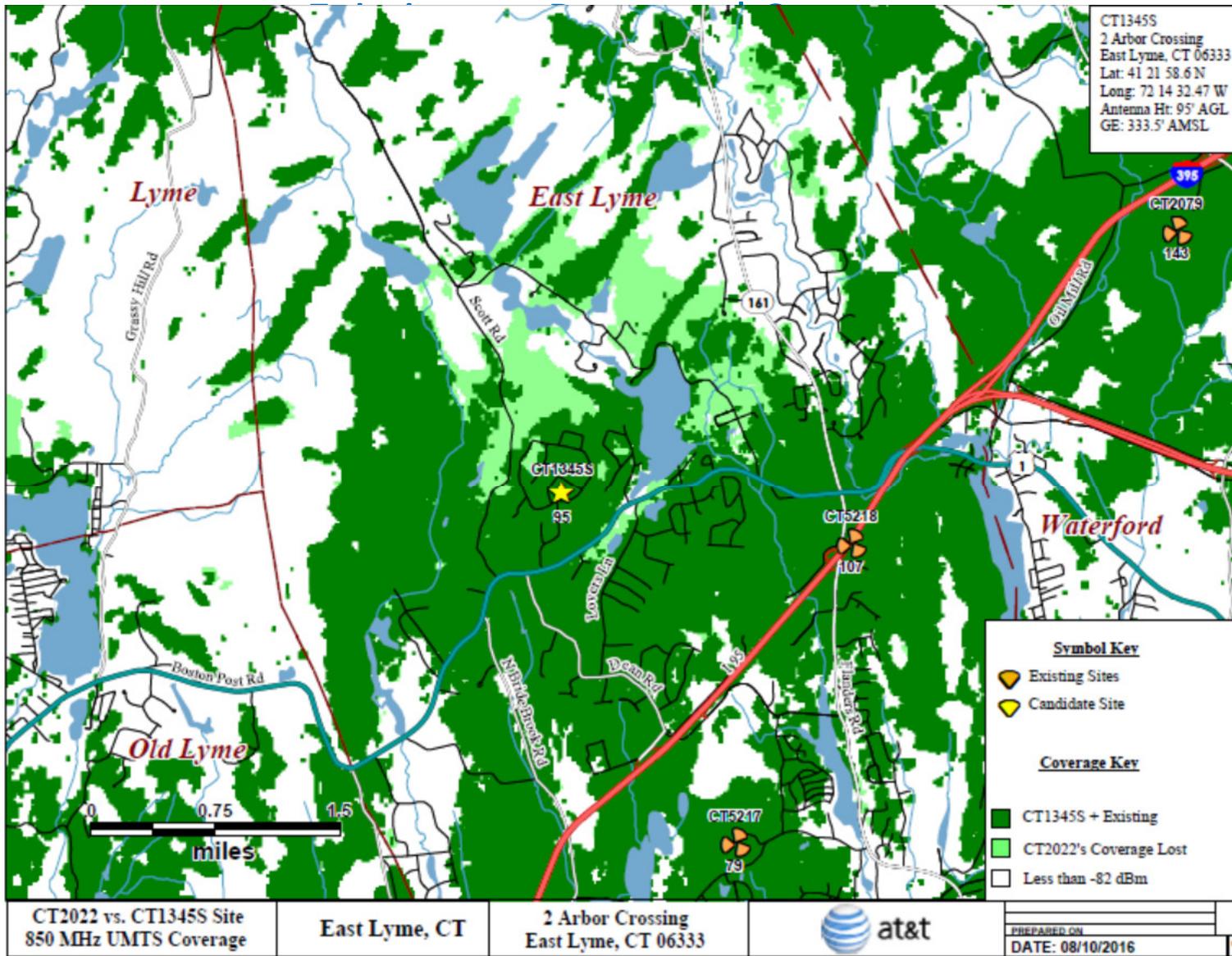


Facility Location and Access



Elevation View





Attachment 3: CT2022 vs. CT1345B Site 850 MHz UMTS Coverage

Wireless Safety Analysis

Due to the directional nature of the proposed AT&T and T-Mobile antennas, the majority of the RF power is focused out towards the horizon. As a result, there will be less RF power directed below the antennas relative to the horizon, and consequently lower power density levels around the base of the tower. Please refer to the Attachment for the vertical patterns of the proposed AT&T and T-Mobile antennas. The calculated results below include a nominal 10 dB off-beam pattern loss to account for the lower relative gain directly below the antennas.

Location	Carrier	Vertical Distance to Antenna (Ft.)	Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Power Density (mw/cm ²)	Limit	%MPE
Ground Level	AT&T UMTS	95	880	1	1028	0.0047	0.5867	0.80%
	AT&T UMTS	95	1900	1	1265	0.0057	1.0000	0.57%
	AT&T LTE	95	710	2	1254	0.0114	0.4733	2.41%
	AT&T LTE	95	880	1	1542	0.0070	0.5867	1.19%
	AT&T LTE	95	1900	3	1897	0.0258	1.0000	2.58%
	AT&T LTE	95	2300	1	2179	0.0099	1.0000	0.99%
	T-Mobile UMTS	85	1900	1	1706	0.0098	1.0000	0.98%
	T-Mobile GSM	85	1900	2	2558	0.0295	1.0000	2.95%
	T-Mobile UMTS	85	2100	1	1706	0.0098	1.0000	0.98%
	T-Mobile LTE	85	2100	1	3413	0.0197	1.0000	1.97%
Total								15.43%

Summary: Under worst-case assumptions, RF Power Density levels for the proposed AT&T and T-Mobile antenna arrays will not exceed **15.43%**¹ of the FCC MPE limit for General Public/Uncontrolled Environments.

Sincerely,

Host Property



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
1	HOST PROPERTY	EAST	+/- 310 FEET	YEAR ROUND

Plum Hill Road



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
3	PLUM HILL ROAD	NORTH	+/- 0.25 MILE	YEAR ROUND

Boston Post Road (Existing)



EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
15	BOSTON POST ROAD	WEST	+/- 0.80 MILE	YEAR ROUND

Proposed



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
15	BOSTON POST ROAD	WEST	+/- 0.80 MILE	YEAR ROUND

Joshua Valley Road at Boston Post Road



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
28	JOSHUA VALLEY ROAD AT BOSTON POST ROAD	NORTHEAST	+/- 0.75 MILE	YEAR ROUND

Thank you.

