STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Daniel F. Caruso
Chairman

July 16, 2010

TO: Parties and Intervenors

FROM: S. Derek Phelps, Executive Director

RE: **DOCKET NO. 388** - New Cingular Wireless PCS, LLC (AT&T) application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located at 1990 Litchfield Turnpike, Woodbridge, Connecticut.

After the Council issues its draft findings of fact, parties and intervenors may identify errors or inconsistencies between the Council's draft findings of fact and the record; however, no new information, evidence, argument, or reply briefs will be considered by the Council.

Parties and Intervenors may file written comments with the Connecticut Siting Council on the Draft Findings of Fact issued on this docket by July 22, 2010.

SDP/MP/laf

Enclosure

LIST OF PARTIES AND INTERVENORS
SERVICE LIST

Status Granted	Document Service	Status Holder (name, address & phone number)	Representative (name, address & phone number)
Applicant	☒ U.S. Mail	New Cingular Wireless PCS, LLC (AT&T)	Christopher B Fisher, Esq. Daniel M. Laub, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14th Floor White Plains, NY 10601 (914) 761-1300 (914) 761-5372 fax cfisher@cuddyfeder.com dlaub@cuddyfeder.com
	☒ U.S. Mail		Michele Briggs AT&T 500 Enterprise Drive Rocky Hill, CT 06067-3900 michele.g.briggs@cingular.com

DOCKET NO. 388 - New Cingular Wireless PCS, LLC (AT&T) application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located at 1990 Litchfield Turnpike, Woodbridge, Connecticut.	}	Connecticut Siting Council July 9, 2010

DRAFT Findings of Fact

Introduction

1. New Cingular Wireless PCS, LLC (AT&T), in accordance with provisions of Connecticut General Statutes (CGS) § 16-50g through 16-50aa, applied to the Connecticut Siting Council (Council) on September 23, 2009 for the construction, management, and operation of a 170-foot wireless telecommunications facility at 1990 Litchfield Turnpike, Woodbridge, Connecticut. (AT&T 1, p. 1)

2. AT&T is a Delaware corporation with an office in Rocky Hill, Connecticut. AT&T is licensed by the Federal Communications Commission (FCC) to construct and operate a personal wireless service system in Connecticut. (AT&T 1, p. 2)

3. The party in this proceeding is the applicant. (Transcript 1 – 01/12/10, 3:05 p.m. [Tr. 1], p. 5)

4. The purpose of the proposed facility is to provide AT&T wireless service in northern Woodbridge. (AT&T 1, p. 1)

5. Pursuant to CGS § 16-50m, the Council, after giving due notice thereof, held a public hearing on January 12, 2010, beginning at 3:05 p.m. and continuing at 7:00 p.m. at The Center Gymnasium, 4 Meetinghouse Lane, Woodbridge, Connecticut. (Council's Hearing Notice dated November 13, 2009; Tr. 1, p. 2; Transcript 2 – 01/12/10, 7:00 p.m. [Tr. 2], p. 2)

6. The Council and its staff conducted an inspection of the proposed site on January 12, 2010, beginning at 2:00 p.m. During the field inspection, the applicant flew a three-foot diameter red balloon at the proposed site to simulate the height of the proposed tower. Weather conditions during the field review were breezy. Due the weather conditions, the balloon did not reach its intended height of 170 feet above ground level for the majority of the time. The balloon height was reduced by roughly 20 feet to due the wind. The balloon was aloft from approximately 12:00 p.m. to 4:30 p.m. for the convenience of the public. (Council's Hearing Notice dated April 12, 2003; Tr. 1, p. 6)

7. Pursuant to CGS § 16-50l (b), public notice of the application was published in The New Haven Register on two occasions. (AT&T 1, p. 3)

8. Pursuant to CGS § 16-50l (b), notice of the application was provided to all abutting property owners by certified mail. Return receipts were received from all abutters. (AT&T 1, pp. 3-4, and Attachment 9; AT&T 2, response 5)

9. Pursuant to CGS § 16-501 (b), AT&T provided notice to all federal, state and local officials and agencies listed therein. (AT&T 1, p. 3 and Attachment 8)

State Agency Comment

10. Pursuant to General Statutes § 16-50j (h), on November 13, 2009, January 26, 2010, and April 1, 2010, the following State agencies were solicited by the Council to submit written comments regarding the proposed facility; Department of Environmental Protection (DEP), Department of Public Health (DPH), Council on Environmental Quality (CEQ), Department of Public Utility Control (DPUC), Office of Policy and Management (OPM), Department of Economic and Community Development (DECD), Department of Agriculture (DOAg), the Department of Transportation (DOT), and Department of Emergency Management and Homeland Security (DEMHS). (Record)

11. The Council received comments from the DPH's Drinking Water Section on January 14, 2010. In its comments, DPH indicated that the proposed construction activity is within the West River System watershed for the Lake Dawson reservoir which is owned by the Regional Water Authority (RWA). DPH recommends that AT&T implement the following best management practices to protect the public drinking water:

a) No equipment, machinery, or vehicles shall be cleaned, repaired, fueled or stored on the project site. Oil, solvents, or hazardous substances shall be disposed of off the watershed.

b) No construction shall take place until water pollution controls and erosion and sedimentation controls are in place. It must be ensured these controls are installed, properly functioning, inspected regularly, and remain in place throughout the project.

c) Any malfunctioning or breakdown of erosion and/or sedimentation control devices or water pollution control devices shall be repaired immediately. Construction activities shall be discontinued until repairs have been completed.

d) RWA should be allowed to inspect the site during construction activities to make sure all best management practices are being followed.

(DPH Comments dated January 14, 2010)

12. The Council received comments from the DOT's Bureau of Engineering and Highway Operations on January 15, 2010 indicating that if the applicant seeks to perform any construction with the Route 69 right-of-way, an encroachment permit would have to be obtained. The District 3 Permit Office would need to review a complete set of construction plans prior to issuing the permit. The District 3 Permit Office would determine the bond amount, insurance coverage, maintenance and protection of traffic, inspection, roadway restoration, and pavement restoration requirements. (DOT Comments dated January 15, 2010)

13. The following agencies did not respond with comment on the application: DEP, CEQ, DPUC, OPM, DECD, DOAg, and DEMHS. (Record)

Municipal Consultation

14. AT&T notified the Town of Woodbridgee of the proposal on June 5, 2009 by sending a technical report on June 5, 2009. AT&T subsequently spoke with land use officials in the Town of Woodbridge and appeared before the Planning and Zoning Commission on September 9, 2009. (AT&T 1, p. 14)

15. By letter dated October 15, 2009, the First Selectman Edward Maum Sheehy of the Town of Woodbridge (Town) advised the Council that the Board of Selectman recommends that alternative locations be explored for the proposed tower such as:

    a) Moving the tower away from the proposed location; and

    b) If the tower must be near the proposed location, consider installing the antennas on other structures in the area such as the RWA Filtration Plant, transmission line towers, existing structures on the subject property such as silos, or design the tower to look more like a tree.

    (Town of Woodbridge Comments dated October 15, 2009)

16. First Selectman Sheehy made a limited appearance statement at the January 12, 2010 public hearing reiterating the concerns listed in the October 15, 2009 letter and summarizing public comments received by the Town of Woodbridge. Mr. Sheehy also noted that it was the preference of Maria Kayne, Chairman of the Conservation Commission of the Town of Woodbridge, that the tower be located in a commercial district. (Tr. 1, p. 8)

17. Mary Kayne, Chairman of the Woodbridge Conservation Commission, made a limited appearance statement at the January 12, 2010. Ms. Kaye stated the Shephard property is adjacent adjacent to 35 acres of farmland that were purchased in 2006 with state DEP grant funds by the Woodbridge Conservation Commission, the Woodbridge Park Association, the Woodbridge Land Trust for open space preservation. Ms. Kayne further notes that the location of a cell tower adjacent to the designated open space is inconsistent with the philosophy of open space preservation. In addition, the proposed 170-foot tower will cast its shadow over historic properties in Litchfield Turnpike, including the Darling House, historically designated kiln and the Offices of the Historical Society. In addition, Ms. Kayne stated that the Council should consider alternatives such as more appropriate sites or co-location on existing towers or other utility infrastructure. (Tr. 1, pp. 20-24)

17. AT&T investigated the alternatives suggested by the Town. CL&P transmission co-location is not feasible due to its outage availability rating of four, which is very difficult to obtain an outage to perform maintenance and repairs. AT&T also contacted the RWA and found that they were not interested in a tower on that property. The existing 50-foot silo structure is not high enough to provide adequate coverage. AT&T is open to stealth tower designs such as a "brown stick", but has reservations about a tree tower due to visibility and aesthetics. However, a "brown stick" with flush-mounted antennas would require additional tower height. (Tr. 1, pp. 28-30, 46-47, 55, 57-60)

18. AT&T Wireless would provide space on the tower for the Town's emergency communication services for no compensation. The Town has not expressed interest in co-locating on the tower at this time. (AT&T 1, Tab 6; Tr. 1, p.70)

Federal Designation for Public Need

19. The United States Congress, through the adoption of the Telecommunications Act of 1996 (Act), recognized the important public need for high quality telecommunications services throughout the United States. The purpose of the Act was to "provide for a competitive, deregulatory national policy framework designed to accelerate rapidly private sector deployment of advanced telecommunications and information technologies to all Americans." (Council Administrative Notice Item No. 7)

20. In issuing cellular licenses, the Federal government has preempted the determination of public need for cellular service by the states, and has established design standards to ensure technical integrity and nationwide compatibility among all systems. AT&T is licensed by the FCC to provide personal wireless communication service to New Haven County, Connecticut. (Council Administrative Notice Item No. 7; AT&T 1, p. 4)

21. The Act prohibits local and state bodies from discriminating among providers of functionally equivalent services. (Council Administrative Notice Item No. 7)

22. The Act prohibits any state or local entity from regulating telecommunications towers on the basis of the environmental effects of radio frequency emissions to the extent that such towers and equipment comply with FCC's regulations concerning such emissions. This Act also blocks the Council from prohibiting or acting with the effect of prohibiting the provision of personal wireless service. (Council Administrative Notice Item No. 7)

23. Congress enacted the Wireless Communications and Public Safety Act of 1999 (the 911 Act). The purpose of the legislation was to promote public safety through the deployment of a seamless, nationwide emergency communications infrastructure that includes wireless communications services. (AT&T 1, pp. 5-6)

24. The proposed tower would provide enhanced 911 services to the proposed service area. (AT&T 1, p. 5)

25. The proposed facility would be an integral component of AT&T's wireless network in New Haven County. Presently, AT&T has gaps in coverage along Route 69 (Litchfield Turnpike), Route 63, Dillon Road and the surrounding areas in the Town of Woodbridge, as well as locations in Bethany. (AT&T 1, pp. 1, 4)

26. Both Cellco Partnership d/b/a Verizon Wireless and Youghiogheny Communications Northeast LLC d/b/a Pocket Wireless have expressed an interest in co-locating on the tower, but neither carrier participated in the proceeding as a party or intervenor. Both carriers would require a minimum antenna height of 140 feet. (Tr. 1, p. 70)

Existing and Proposed Wireless Coverage

27. AT&T's operating frequencies in the vicinity of the proposed tower include the 850 MHz cellular band, specifically 880-894 MHz, and the 1900 MHz PCS band. At the proposed facility, AT&T would initially install 850 MHz cellular service and expand to 1900 MHz PCS service at some point in the future as needed for capacity. (AT&T 1, Tab 5; AT&T 2, response 11; Pre-filed Testimony of John Blevins dated January 7, 2010)

28. AT&T's design signal strength for in-vehicle coverage is -82 dBm. For in-building coverage, it is -74 dBm. (AT&T 2, responses 2 and 3)

29. The existing signal strength in the area that would be covered by the proposed facility varies between -92 dBm and -105 dBm. (AT&T 1, response 1)

30. AT&T predicts a 2.0-mile gap in coverage on Route 69, 0.7 miles on Downs Road, 2.2 miles on Route 63, and 0.5 miles on Route 67. This is based on coverage strength lower than -82 dBm, which is considered inadequate for in-vehicle service. Coverage from surrounding sites is depicted on Figure 2. (AT&T 2, response 13)

31. The minimum antenna height at which AT&T could achieve its coverage from the proposed facility is 167 feet above ground level (agl). Installing antennas at this height would provide reliable service to the proposed service area. (AT&T 1, p. 4; Tr. 1, pp. 70, 74)

32. AT&T's proposed facility would provide 2.0 mile of reliable coverage on Route 69, 0.7 miles on Downs Road, 2.2 miles on Route 63, and 0.5 miles on Route 67. (AT&T 3, response 4)

33. Adjacent AT&T Wireless facilities that would interact with the proposed facility are as follows:

Site Address	Facility Type	Structure Height	AT&T Antenna Height	Distance and Direction
9 Meyers Road, Bethany	Self-supporting lattice tower	338 feet	160 feet	2.25 miles to NNE
261 Benham Street, Hamden (a/k/a 93 Old Amity Road	Guyed lattice tower on rooftop	91 feet	67 feet	2.6 miles to E
142 Baldwin Drive, New Haven	Self-supporting lattice tower	120 feet	80 feet	2 miles to SSE
77 Pease Road, Woodbridge	Monopole	155 feet	153 feet	2.25 miles to SSE
100 Pond Lily Avenue, New	Flagpole	80 feet	29 feet	2.25 miles

Haven				to SSW

(AT&T 2, response 8)

34. At -82 dBm, the total area AT&T could cover from the proposed facility with its antennas at a centerline height of 167 feet would be 3 square miles. (AT&T 2, response 14)

Site Selection

35. AT&T established a search ring for the target service area on February 21, 2006. (AT&T 2, response 4)

36. The original search ring (SR2124) was approximately 1 mile in diameter and centered north of the proposed site on Downs Road. This search ring was investigated, but no suitable candidate was identified. AT&T's engineers were also pursing another search ring (SR2125) further to the south. It was determined that a 170-foot tower would serve both search areas. (AT&T 2, response 4)

37. Four existing towers are located within two miles of the search area. AT&T is located on all four of these existing towers. The locations of the four existing towers are as follows:

a) 9 Meyers Road, Bethany – AT&T Wireless is located at 160 feet.

b) 261 Benham Street, Hamden – AT&T Wireless is located at 67 feet.

c) 142 Baldwin Drive, New Haven – AT&T Wireless is located at 80 feet.

d) 77 Pease Road, Woodbridge – AT&T is located at 153 feet.

e) 100 Pondlily Avenue, New Haven – AT&T is located at 29 feet.
(AT&T 1, Tab 1)

38. After determining there were no suitable structures within the search area, AT&T searched for properties suitable for tower development. AT&T investigated 11 parcels/areas, one of which was selected for site development. The 10 rejected parcels/areas and reasons for their rejection are as follows:

a) 756 Amity Road – There was no response from the property owner and the site did not meet AT&T's coverage objectives.

b) 631 Amity Road – The location is too close to an existing site and not serve the majority of the target area.

c) Talmadage Road – The site is located too far north and is near an existing site. The site would not meet AT&T's coverage objectives.

d) Transmission line #1610 on Hatfield Road – The power company rejected the use of this site for a wireless telecommunications facility.

e) 255 Downs Road – The property owner was not interested.

f) 84 Bethway Road – The tower would have to be in excess of 130 feet and located to the rear of the property to meet coverage objectives. The area and height were not acceptable to the property owners.

g) 91 Bethway Road – This site would not meet coverage objectives.

h) Transmission line #3827 – The power company rejected the use of this site for a wireless telecommunications facility.

i) 2010 Route 69 and 100 Dillion Road (South Central Regional Water Authority property) – This property contains Class I and Class II watershed lands and passive recreation area. The water company indicated that such land is not available for a wireless telecommunications facility.

j) Route 69 (Town of Woodbidge Lot 1966) – The Town was not interested as the property is deed restricted with a conservation easement and public recreation easement.

(AT&T 1, Attachment 2)

39. AT&T, in consultation with The Connecticut Light and Power Company, determined that no electrical transmission structures in the search area were viable options for the following reasons:

a) There are no lines in the area with a reliability rating of 1. Outages could be scheduled on such a line reasonably.

b) There is a 115-kV line in the area with a reliability rating of 2, assuming only one circuit was turned off. However, to perform a co-location, both circuits must be de-energized. Thus, the effective reliability rating is 3.

c) It is difficult to obtain outages of lines with a rating of 3 or 4.

(AT&T 1, Tab 2; AT&T Late Filed Exhibit Tab A; Post Hearing Interrogatories dated June 14, 2010)

40. AT&T also determined that electrical transmission structures owned by The United Illuminating Company would not meet coverage objectives. (AT&T Late Filed Exhibit Tab B)

41. Microcells and repeaters are not viable technological alternatives for providing coverage to the identified coverage gap. Microcells and repeaters are low power sites that are limited in coverage and capacity. These types of facilities are generally used in situations where the coverage area is less than a half-mile or for providing service in buildings. (AT&T 1, p. 6)

Facility Description

42. The proposed facility is to be located on a 20.78-acre parcel owned by Sarah Shepherd at 1990 Litchfield Turnpike in Woodbridge. (refer to Figures 1 and 2) (AT&T 1, p. 7)

43. The parcel is zoned Residential A. The Town's zoning regulations permit telecommunication towers in Residential A zone, subject to issuance of a Special Permit. Town regulations rank residential zones fifth out of five location preference categories for the placement of telecommunications equipment. (AT&T 1, p. 8; AT&T 1b – Zoning Regulations Amendments)

44. The tower site is located in the northern half of the subject property. The tower would be located at 41 degrees 22 minutes 23.5 seconds North Latitude and 72 degrees 58 minutes 52.3 seconds West Longitude at an elevation of 290 feet above mean sea level (amsl). (AT&T 1, Tab 3)

45. The proposed facility would consist of a 170-foot monopole within a 100-foot by 100-foot leased area. The tower would be four and a half feet wide at the base tapering to approximately 2 feet at the top. The tower would be designed to support four levels of antennas with a 10-foot center-to-center vertical separation. The tower would be constructed in accordance with the American National Standards Institute TIA/EIA-222-G "Structural Standards for Steel Antenna Towers and Antenna Support Structures". (AT&T 1, Tab 3; Tr. 1, p. 94)

46. AT&T would install up to six panel antennas at a centerline height of 167 feet agl. The antennas would be attached to a low-profile platform. The total height of the facility with antennas would be 170 feet agl. (AT&T 1, Tab 3)

47. T-arm antenna mounts would also be acceptable to AT&T. (AT&T 2, response 9)

48. If the antennas were flush-mounted, AT&T would require two levels of three antennas each, resulting in an extra ten feet of tower height. (AT&T 2, response 9)

49. If a "brown stick" design is utilized, AT&T and Verizon would each require two antenna locations. This would require additional tower height. (Tr. 1, p. 60)

50. T-arm mounts would be compatible with a tree tower design. (Tr. 1, 60)

51. A 40-foot by 90-foot equipment compound enclosed by a chain link fence would be established at the base of the tower. The size of the lease area would be able to accommodate the equipment of four wireless carriers. AT&T would install a 12-foot by 20-foot equipment shelter within the compound. (AT&T 1, Tab 3; Tr. 1, p. 22)

52. For emergency backup power, AT&T would rely on battery backup and a permanent diesel generator. The battery system would be used to prevent a "re-boot" condition from occurring during the generator start-up period that typically lasts ten minutes. The generator's fuel tank would contain approximately 210 gallons of fuel, and would consist of a bladder within a steel containment chamber that is designed to contain fuel in the event of a spill. (AT&T 2, response 17; AT&T 3, response 5)

53. AT&T's proposed backup generator would meet all applicable noise standards at the subject property boundaries. (AT&T 3, response 6)

54. The proposed facility would be unmanned, requiring monthly maintenance visits approximately one hour long. AT&T's equipment would be monitored 24 hours per day, seven days per week from a remote location. (AT&T 1, p. 11)

55. Development of the site would require approximately 1,221 cubic yards of cut and 980 cubic yards of fill. (AT&T 2, response 15)

56. Vehicular access to the proposed facility would extend north-northwest from Litchfield Turnpike (Route 69) along an approximately 85-foot long existing asphalt driveway to a new 12-foot wide gravel access drive that would extend approximately 895 feet to the proposed compound. (AT&T 1, p. 8 and Tab 3)

57. Utilities would extend underground in a northwesterly direction from utility pole #968 on Litchfield Turnpike directly to the proposed compound. The utilities would not follow the path of the proposed access drive (refer to Figure 3). (AT&T 1, p. 13 and Tab 3)

58. Exposed ledge was not visible in the vicinity of the tower site during AT&T's field investigation. However, if ledge is encountered during the development of the proposed facility, chipping would be the preferred method of removal rather than blasting. (AT&T 3, response 1; Tr. 2, pp. 75-76)

59. The tower setback radius would remain entirely within the subject property. (AT&T 1, Tab 3)

60. The nearest property boundary from the proposed tower is approximately 250 feet to the west (South Central Connecticut Regional Water Authority). (AT&T 1, Tab 3)

61. There are two residences within 1,000 feet of the proposed tower. (AT&T 1, Tab 3)

62. The nearest residence to the proposed tower is located 940 feet to the south. It is owned by Sarah and Richard Sutton. (AT&T 1, Tab 3; AT&T 2, response 7)

63. Land use in the surrounding area consists of single family residential homes, water company property and Town-owned open space. (AT&T 1, p. 13)

64. The estimated construction cost of the proposed facility, not including antennas and radio equipment, is:

Tower and foundation (inc. installation)	$200,000.00
Monopole	$135,000.00
Utility Installation	$40,000.00
Total	$375,000.00

65. The estimated cost of AT&T's antennas and related radio equipment would be approximately $250,000.00. (AT&T 2, response 10)

Environmental Considerations

66. The proposed facility would have no effect upon historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places or upon properties of traditional cultural importance to Connecticut's Native American community. (AT&T 1, pp. 9-10)

67. AT&T's original correspondence to the State Historic Preservation Officer (SHPO) indicated a proposed height of 150 feet, while AT&T seeks to install a 170-foot tower. SHPO was subsequently advised of this difference by letter dated June 17, 2010. SHPO reviewed the revised height and determined there would be no effect on historic, cultural, architectural, or archeological resources. (AT&T 1, pp. 9-10; AT&T 2, response 6)

68. The New England Cement Company Kiln and Quarry site is listed on the National Register of Historic Places. There would be no direct effects to this or other historic buildings. Impacts would be limited to visual effects of the tower. (AT&T Late Filed Exhibit Tab F)

69. The site is not within any designated area indicating the presence of Federally threatened or endangered species or State endangered, threatened or special concern species. (AT&T 1, p. 10)

70. Trees surrounding the site have heights generally ranging from 70 to 80 feet. Approximately nine trees six inches diameter at breast height would be removed to develop the site. There were originally 17 to be removed, but eight have already been removed. (Tr. 1, pp. 23, 25, and 59)

71. The site is not located within wetlands. No wetland soils were noted in the vicinity of the parcel. The closest water body is Lake Dawson, approximately 600 feet southeast of the proposed site. (AT&T 1, pp. 11-12)

72. The site is not located within a 100-year or 500-year floodplain. (AT&T 1, p. 12)

73. There are no airports within 5 miles of proposed tower site. Obstruction marking and lighting are not required. (AT&T 1, Tab 3)

74. The cumulative worst-case maximum power density from the radio frequency emissions from the operation of AT&T's proposed antennas is 4.6% of the standard for Maximum Permissible Exposure, as adopted by the FCC, at the base of the proposed tower. This calculation was based on methodology prescribed by the FCC Office of Engineering and Technology Bulletin No. 65E, Edition 97-01 (August 1997) that assumes all antennas would be pointed at the base of the tower and all channels would be operating simultaneously, which creates the highest possible power density levels. Under normal operation, the antennas would be oriented outward, directing radio frequency emissions away from the tower, thus resulting in significantly lower power density levels in areas around the tower. (AT&T 1, p. 11)

Visibility

75. The tower at the proposed site would be visible year-round from approximately 227 acres within a two-mile radius (refer to Figure 8). The tower would be seasonally visible from approximately 24 acres within a two-mile radius. (AT&T 7)

76. The primary areas of year-round visibility would be Lake Dawson and Lake Watrous. (AT&T 7).

77. The tower would be visible year-round from six residences on Litchfield Turnpike and seasonally visible from one residence on Litchfield Turnpike. (AT&T 7).

78. Visibility of the proposed tower from roads within a two-mile radius of the site is presented in the table below:

Road	*Length of Road Visibility (Seasonal)*	*Length of Road Visibility (Year-round)*	*Nearest Distance with Visibility to Site A*
Litchfield Turnpike (Route 69)	0.2 miles total (not continous)	0.8 miles total (not continuous)	0.1 miles east
Brooks Road	None	0.008 miles	1.8 miles northeast
Woodbine Road	None	0.005 miles	1.3 miles south-southeast
Clark Road	None	0.005 miles	0.9 miles southeast
Amity Road	None	0.05 miles	1.2 miles southeast

(AT&T 7)

79. Visibility of the proposed tower from specific locations within a two-mile radius of the site is presented in the table below:

Location	*Visible*	*Approx. Portion of Tower Visible*	*Approx. Distance to Tower*
1. Litchfield Turnpike looking north	Yes	85 feet – through trees	0.80 miles north
2. Litchfield Turnpike looking north	Yes	90 feet - unobstructed	0.41 miles north
3. Intersection of Litchfield Turnpike and Downs Road looking south	Yes	10 feet – above trees	0.78 miles south
4. Brooks Road looking southwest	Yes	70 feet – above trees	1.81 miles southwest
5. Darling House looking north	Yes	80 feet - through trees	0.88 miles north
6. Yeladim Childcare at Jewish Community Center looking northeast	No	None	0.96 miles northeast
7. Route 63 looking northeast	Yes	25 feet – above trees	1.24 miles northeast
8. Route 63 at Trailhead looking southeast	No	None	1.29 miles southeast
9. Blue with Yellow Dot Trail looking southeast	Yes	30 feet – through trees	0.48 miles southeast
10. West Ridge State Park looking northwest	Yes	90 feet – distant and through trees with ridgeline backdrop	1.27 miles northwest
11. Intersection of Power Line Right of Way and West Ridge State Park Blue Trail looking southwest	Yes	60 feet – through trees with ridgeline backdrop	0.88 miles southwest
12. Children's Garden Daycare looking north	No	None	1.98 miles north

80. The visibility of the tower from West Rock Ridge State Park is limited to the Regicides Trail (Trail). The tower would be seasonally visible from a total of approximately 1.07 miles of the Trail and visible year-round from a total of approximately 0.04 miles of the trail. (AT&T 7)

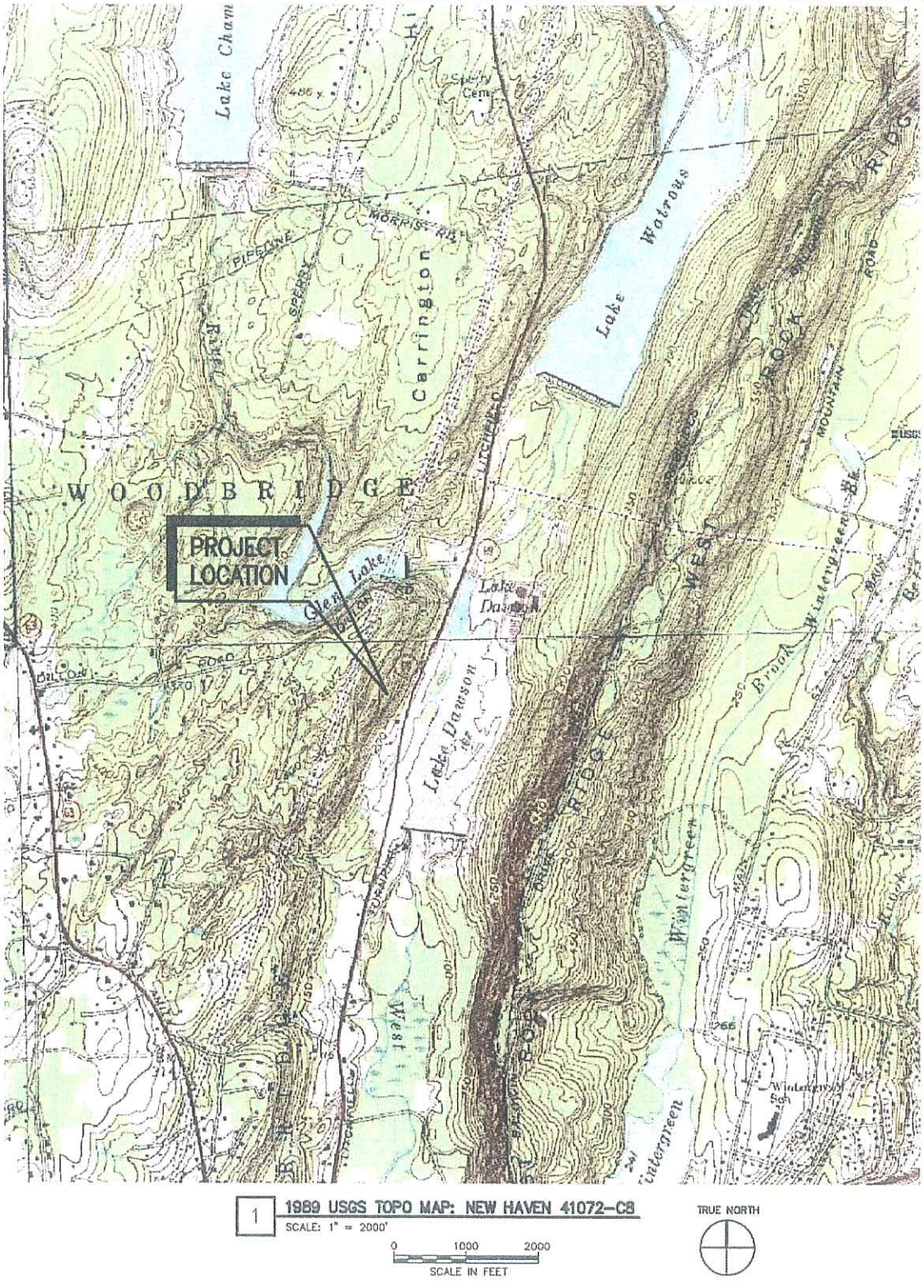
81. The tower would be seasonally visible from a 0.14 mile portion of the Regional Water Authority Trail. (AT&T 7)

82. The tower would be visible from a 0.09 mile portion of the Bishop West Trail. (AT&T 7)

83. The nearest scenic road to the site is Baldwin Drive, approximately 0.54 miles east of the proposed tower site. The tower would be seasonally visible from a total of approximately 1.46 miles of Baldwin Drive and visible year-round from a total of approximately 0.35 miles. (AT&T 7)

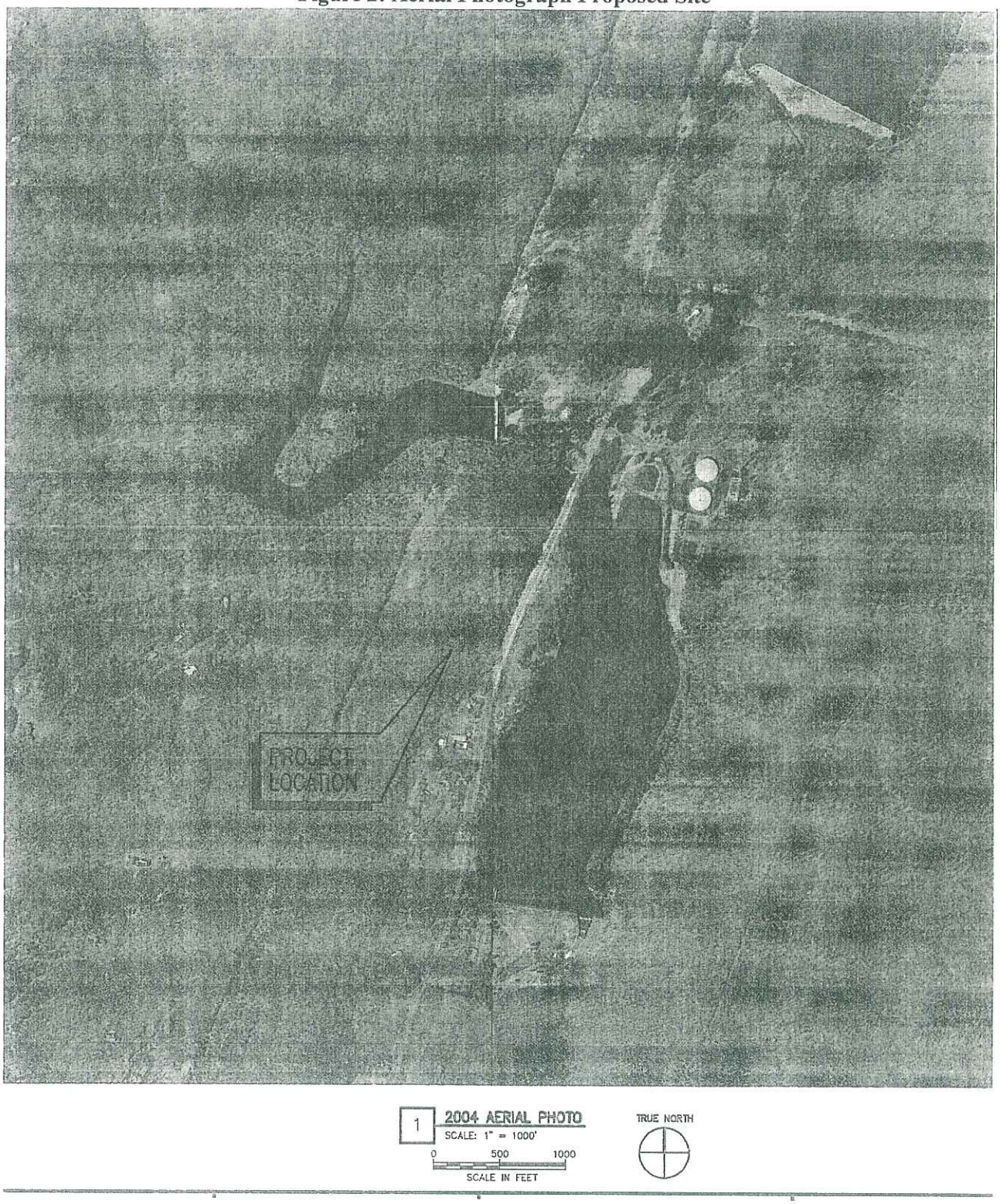
85. The nearest historic site is the New England Cement Company Kiln and Quarry is approximately 0.39 miles northeast of the proposed tower site. The tower would be visible year-round from this location. (AT&T 7)

Figure 1: Location Map of Proposed Site



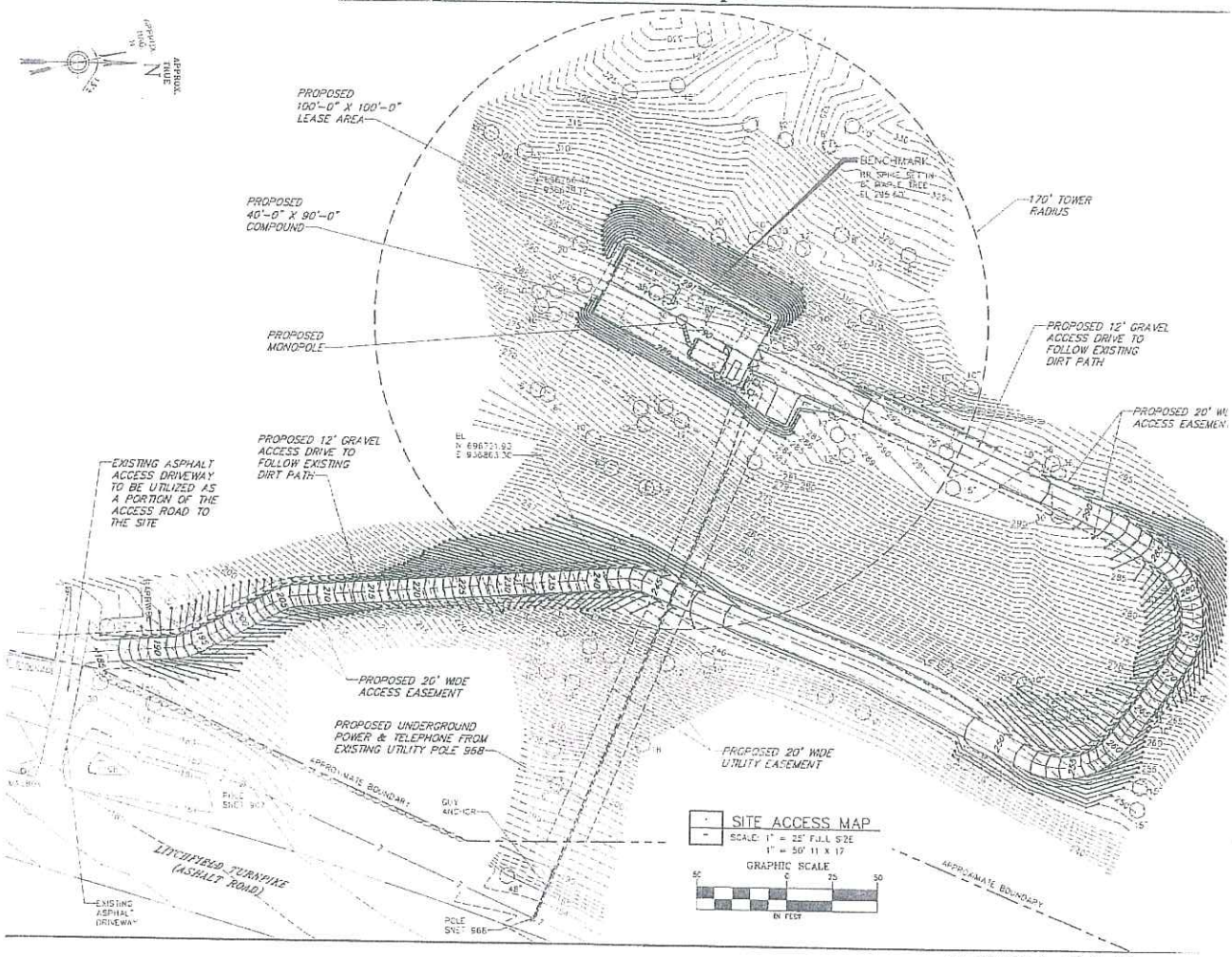
(AT&T 1, Tab 3)

Figure 2: Aerial Photograph Proposed Site



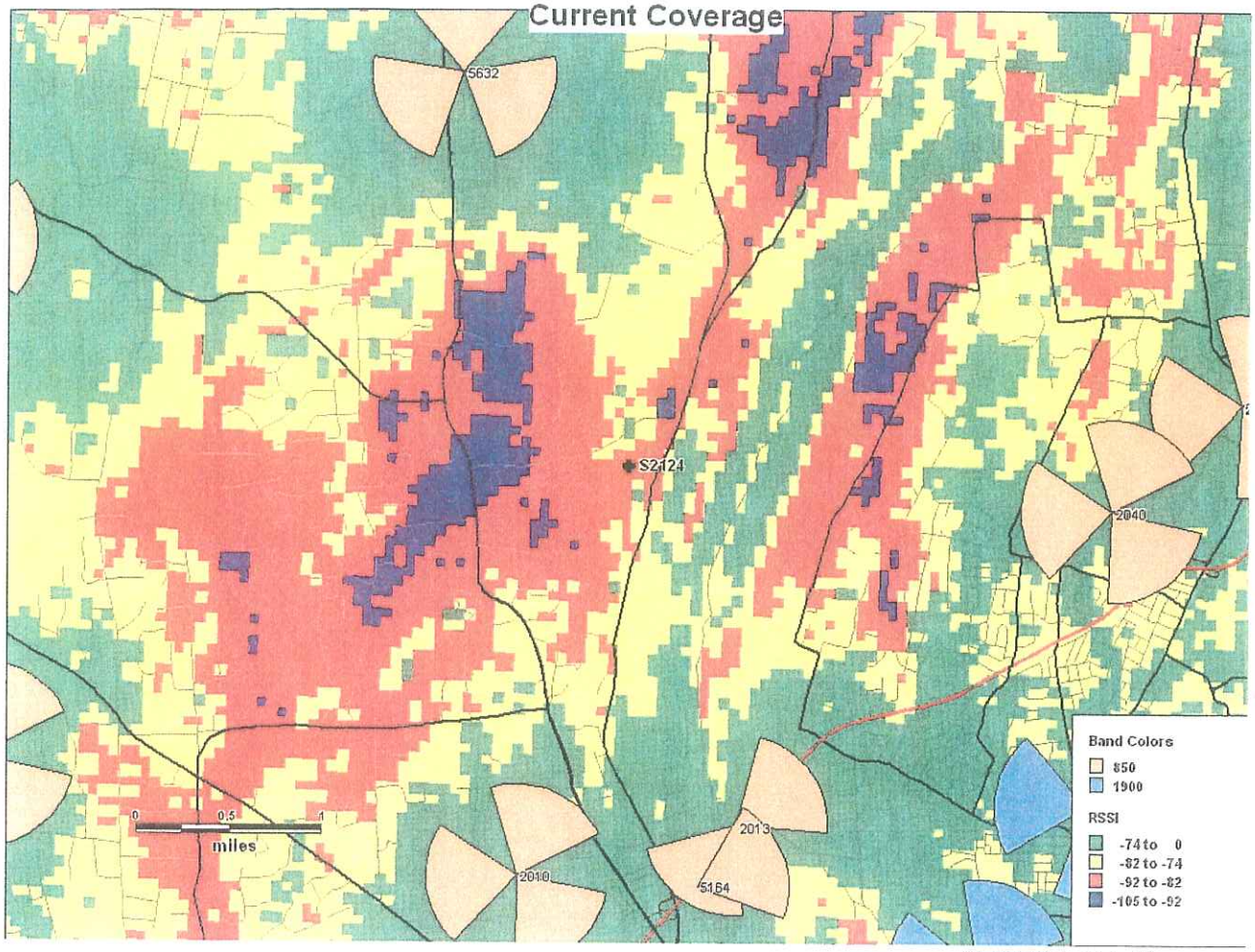
(AT&T 1, Tab 3)

Figure 3: Site Plan for Proposed Site



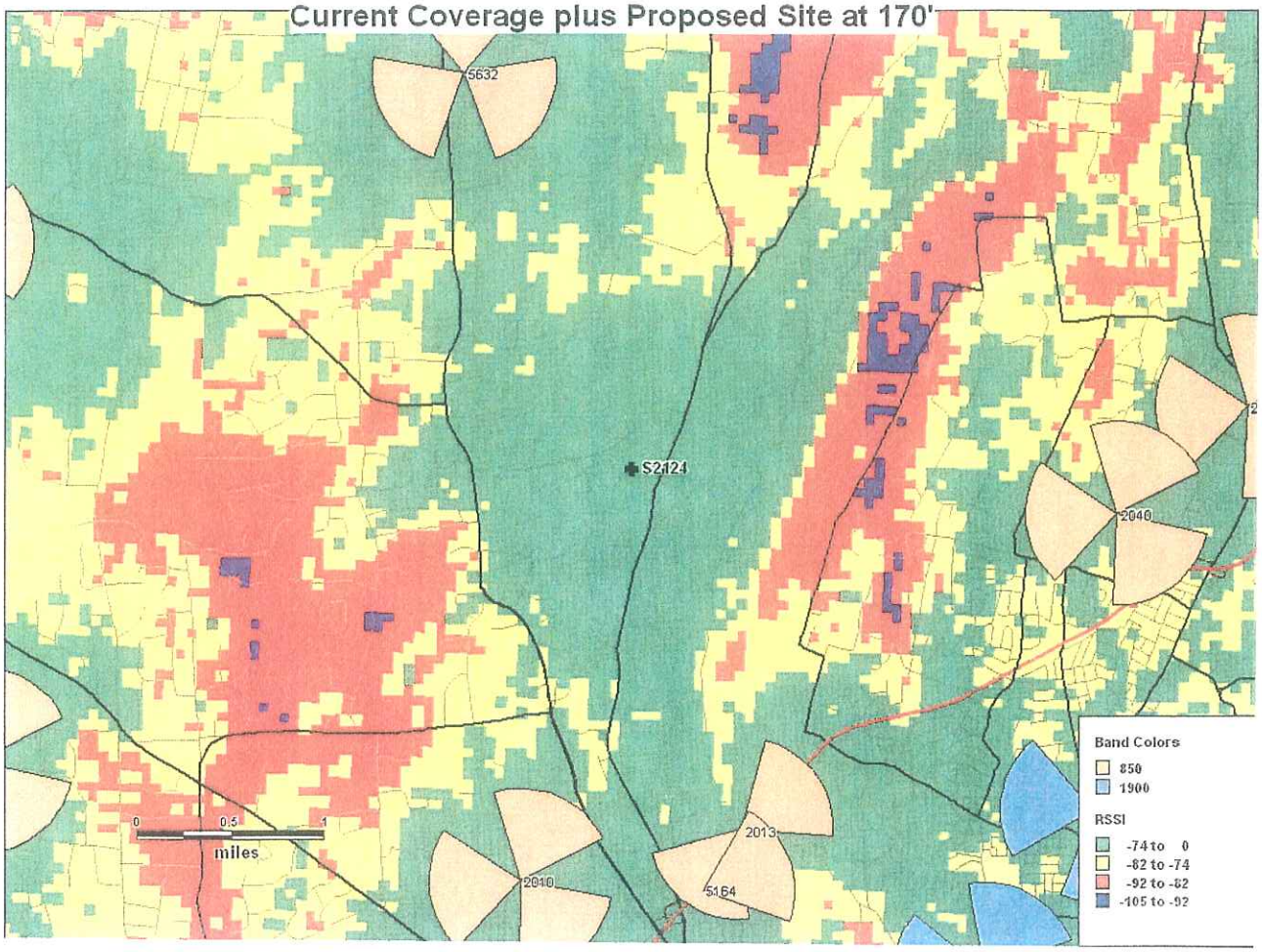
(AT&T 1, Tab 3)

Figure 4: AT&T's Existing Coverage



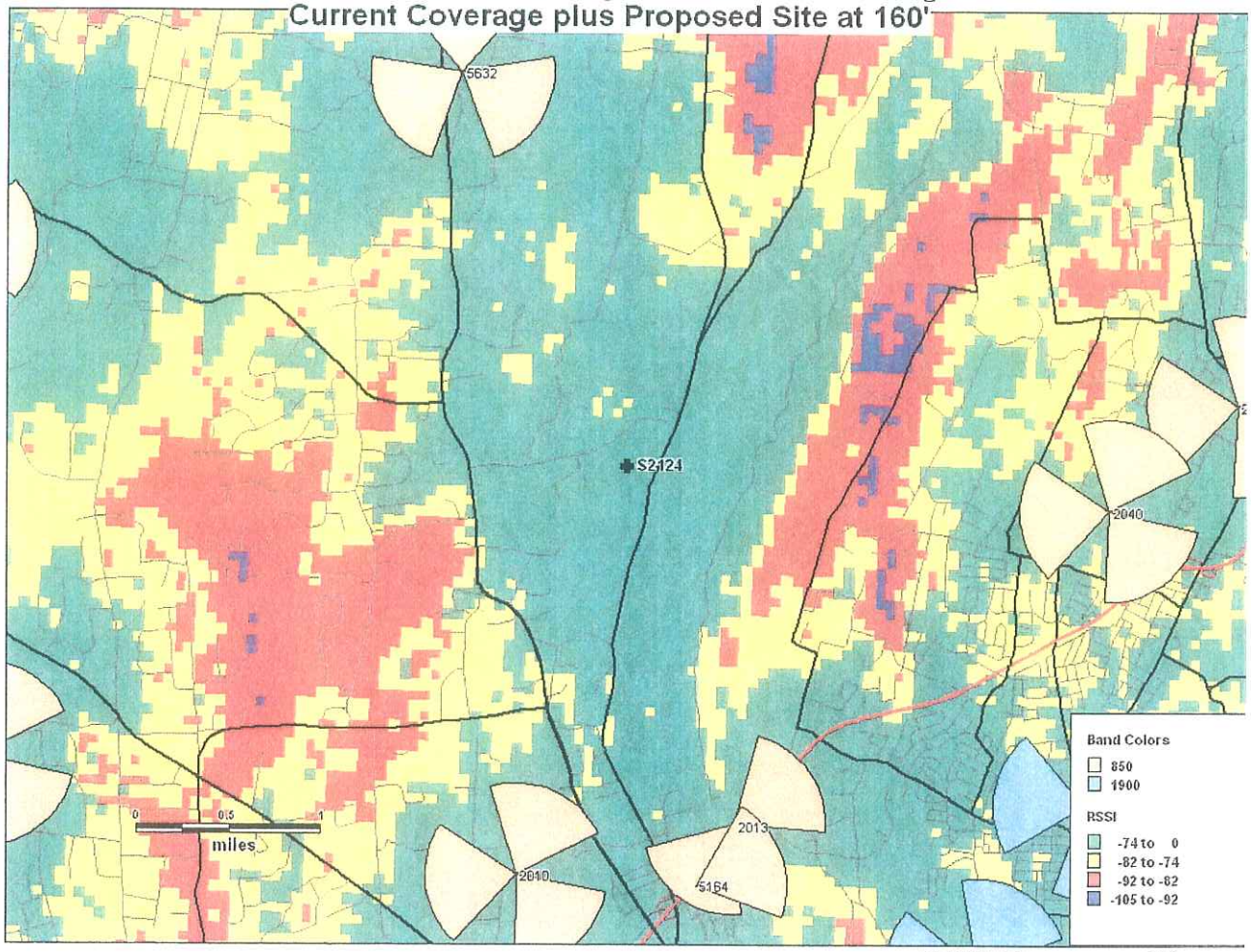
(AT&T 1, Tab 1)

Figure 5: AT&T's Proposed Coverage – Existing Coverage and Proposed Coverage at 170 feet



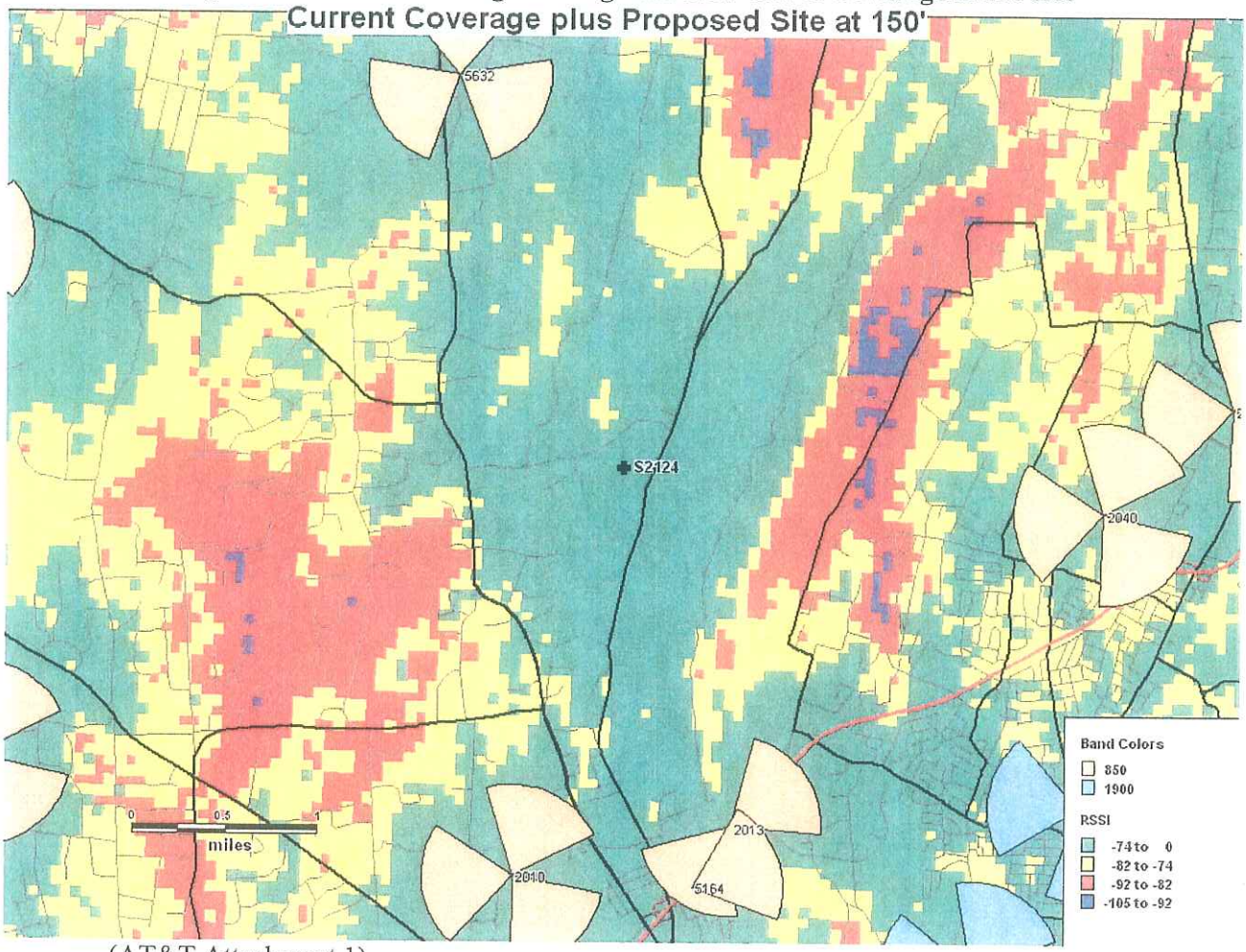
(AT&T 1, Tab 1)

Figure 6: AT&T's Existing Coverage and New Tower Coverage at 160 feet



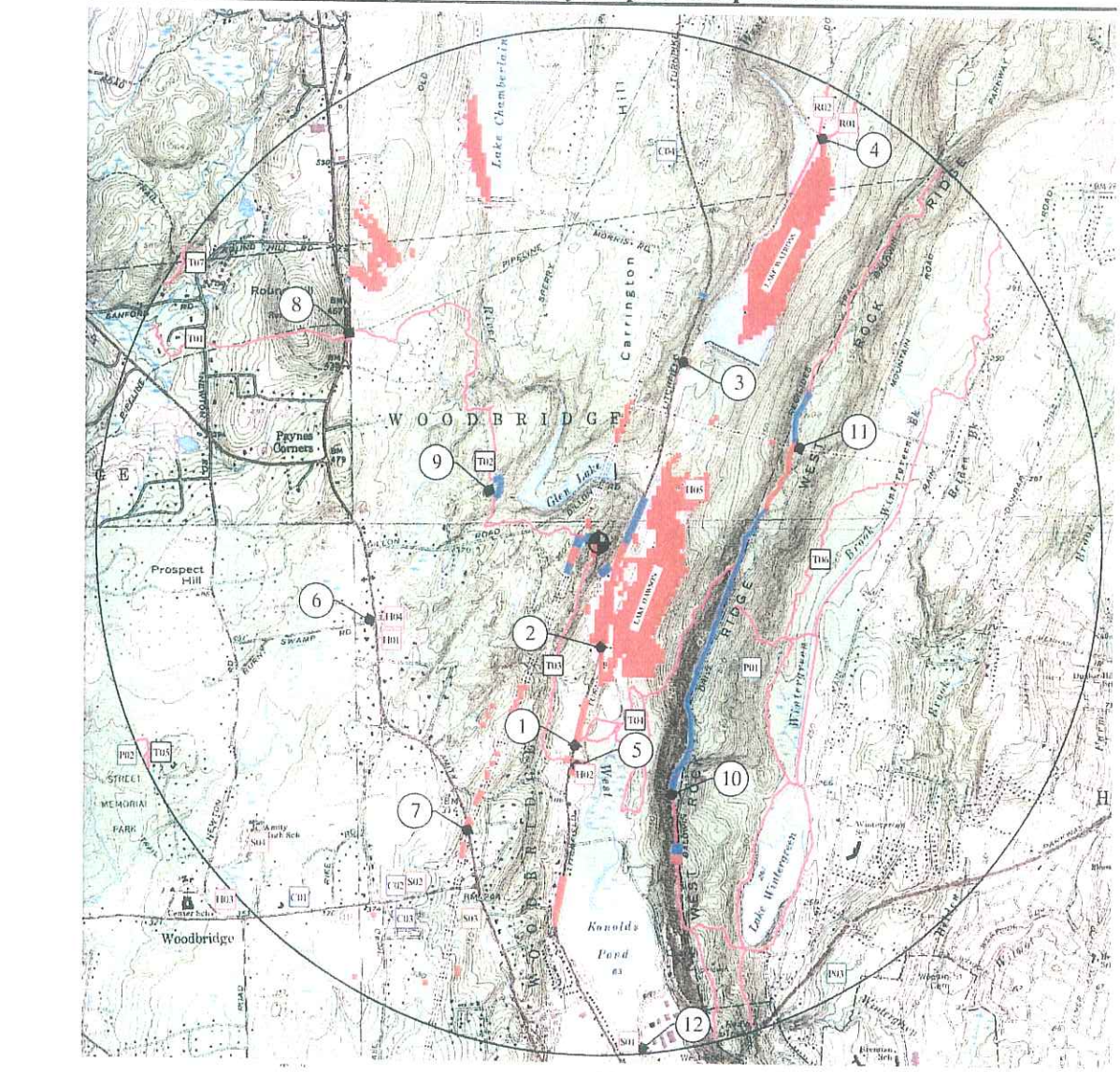
(AT&T 2, response 12)

Figure 7: AT&T's Existing Coverage and New Tower Coverage at 150 feet



(AT&T Attachment 1)

Figure 8: Visibility Map for Proposed Site



APPROXIMATE LOCATION OF PROPOSED MONOPOLE

COMPUTER SIMULATION PHOTOGRAPH LOCATION

APPROXIMATE LIMIT OF SEASONAL TOWER VISIBILITY

APPROXIMATE LIMIT OF YEAR ROUND TOWER VISIBILITY

C# CHURCH/CEMETERY

P# PARK

H# HISTORICAL SITE

S# SCHOOL

TRAIL OR SCENIC ROAD

(AT&T 7)