STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:
APPLICATION OF T-MOBILE NORTHEAST LLC — DOCKET NO. 386
APPLICATION FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE AND OPERATION OF A TELECOMMUNICATIONS FACILITY LOCATED AT 123 PINE ORCHARD ROAD IN THE TOWN OF BRANFORD, CONNECTICUT — November 13, 2009

NEW CINGULAR WIRELESS PCS LLC
PRE-HEARING INTERROGATORIES, SET ONE

Q1. Discuss AT&T's need for the proposed facility. Specifically, what level of coverage does AT&T currently have in this area, and in what ways would the proposed facility improve the existing level of service?

A1. The existing coverage in this area is in the range of -80 dbm to the mid -90 dbm range. This site will improve coverage to the -74 dbm level required for in-building coverage and increase coverage to the Amtrak rail traffic through this area.

Q2. What is AT&T's operating frequency and the minimum signal level threshold for this area?

A2. This cell will support 850 and 1900 MHz cellular and PCS service. The signal level design for this area is -74 dbm for in-building coverage

Q3. Does AT&T intend to operate cellular and PCS equipment at this site? If so, explain how these two systems interact in AT&T's network.

A3. Initially AT&T will install 850 MHz Cellular service and expand to the 1900 MHz PCS service if use of the site requires additional capacity.

Q4. Provide antenna specifications, including type, make, size, model, number of channels, and maximum power output. Indicate the proposed antenna height, number of antennas and antenna mounting configuration planned for each site.

A4. The characteristics of the proposed installation are as follows:

Proposed antenna centerline height: 112' AGL
Antenna quantity and type: Six Powerwave 7770.00 or equivalent panel antennas (2 per sector, 3 sectors)

Antenna Dimensions: approximately - 55 inches in length, 11 inches wide and 5 inches deep
Horizontal Beamwidth: 88 degree @ 850 MHz, 90 degrees @1900 MHz
Antenna Gain: 13.5 dBi for 850 MHz band and 16 dBi for 1900 MHz band
Power input to the Antenna(s): 38.5 dBm
Power output: ERP of 79.4 Watts per sector
Output frequencies of the Transmitter: b-Band 850 (882.600 to 893.600 MHz) and A-band 1900 (1930 to 1940 MHz)
Receive frequencies: b-Band 850 (837.600 to 848.600 MHz) and A-band 1900 (1850 to 1 860 MHz).

Q5. Did AT&T perform a drive test of the proposed site? If so, please submit.

A5. No, AT&T did not perform a drive test for this site.

Q6. Provide a multi-signal level propagation plot at a scale of 1:40,000, depicting coverage from all existing and/or approved AT&T sites in the area. Provide a brief description of the existing sites including location, distance to the proposed facility, facility type, and antenna height. Depict and label major roads on the plot.

A6. Please see Attachment A.

Q7. Provide multi-signal level propagation plots, at a scale of 1:40,000, depicting coverage from existing sites and the proposed site at 112 and 102 feet. Depict and label major roads on the plots. The area of coverage to be provided by the site is as follows:

At 112': .9 square miles of coverage at -82 dB

At 102': .8 square miles of coverage at -82 dB

A7. Please see Attachment B.

Q8. Provide specifications of the equipment building or cabinets to be installed at the proposed site. What type of emergency power system will be used at the site?

A8. Unmanned equipment used to operate AT&T's antennas will be installed within a 12' by 20' radio equipment shelter which will be constructed within the proposed Facility compound. AT&T's proposed backup/emergency power relies on battery backup and a mobile diesel generator. A permanent diesel generator could be used at the site in the future if space exists and AT&T deploys same.

Q9. Did AT&T have a search ring in this area prior to the filing of this application? If so, provide a map depicting the search ring and describe the properties and/or structures identified for possible use prior to selecting the proposed site.

A9. AT&T issued search ring 2596 for this area in December of 2008. Three candidates were investigated in addition to the site being applied for at 123 Pine Orchard Road. A summary and map of the alternate sites investigated by AT&T is included as Attachment C.

Q10. Does AT&T plan to use a fuel cell at the proposed site or have any plans to install a fuel cell at any existing or future sites in Connecticut?

A10. AT&T does not have plans to use fuel cells at this location or others in the near future.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and fifteen copies of the foregoing was served on the Connecticut Siting Council electronically and by overnight mail and copy of it was sent to all other parties and intervenors:

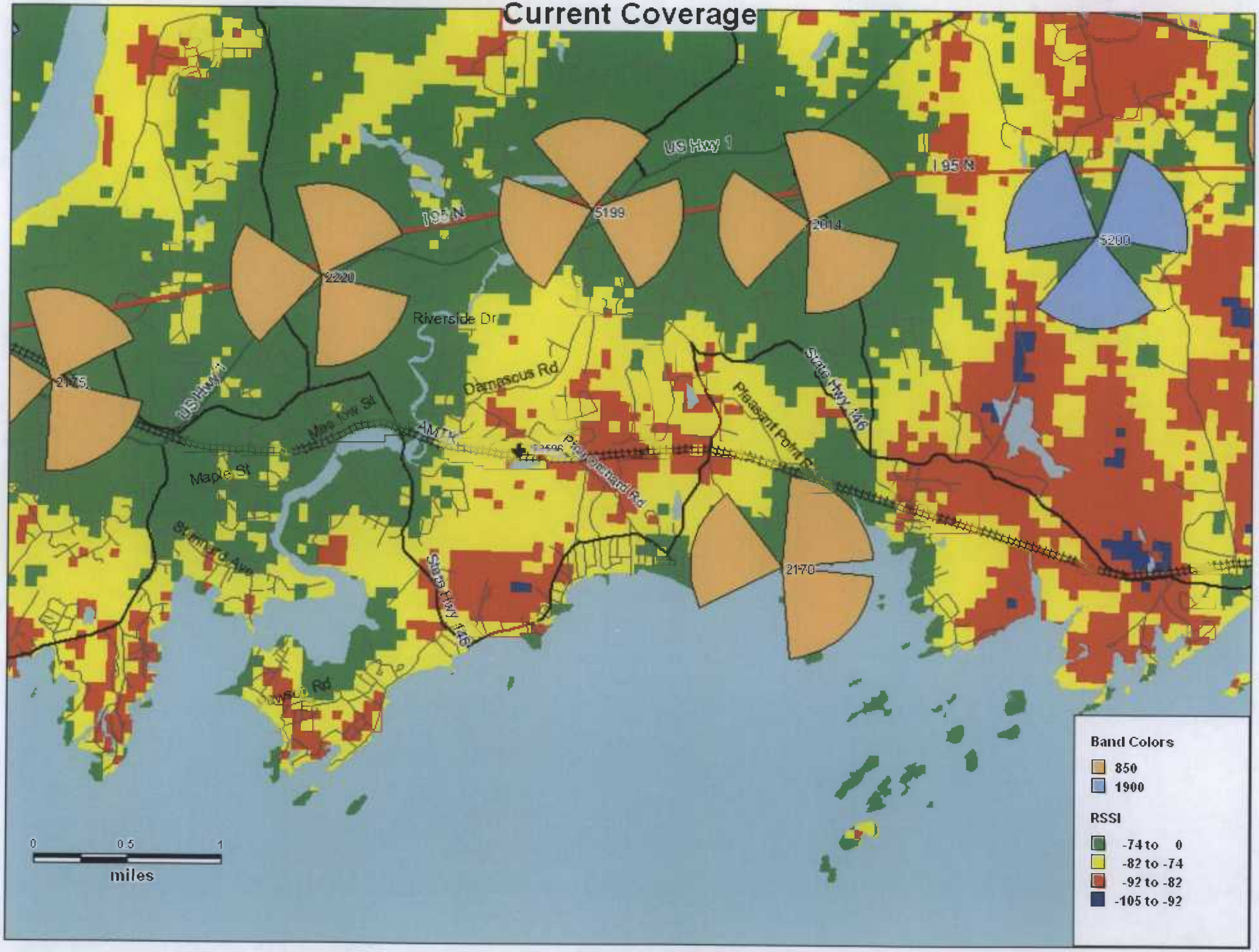
T-Mobile Northeast LLC
Julie D. Kohler, Esq.
Monte E. Frank, Esq.
Jesse A. Langer, Esq.
Cohen & Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604

Dated: November 13, 2009

Daniel M. Laub

cc:
Michele Briggs, AT&T
John Blevins, AT&T
David Vivian, SAI
Christopher B. Fisher, Esq.

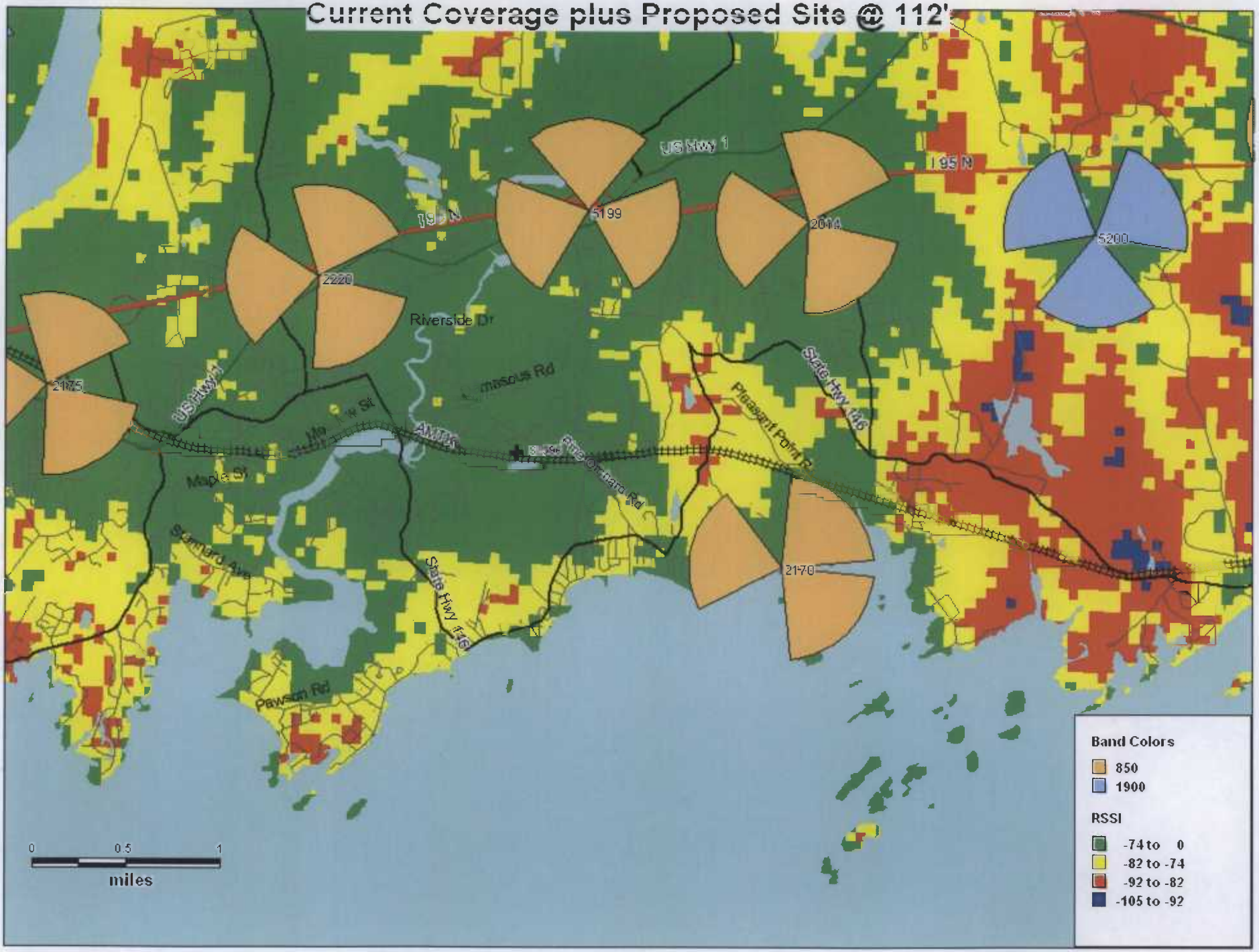
A


Current Coverage
US Hwy 1
I 95 N
5199
2014
5200
2220
Riverside Dr
Damascus Rd
Pleasant Point Rd
State Hwy 146
Maple St
AMTK
2170
Band Colors
850
1900
RSSI
-74 to 0
-82 to -74
-92 to -82
-105 to -92
0
0.5
1
miles

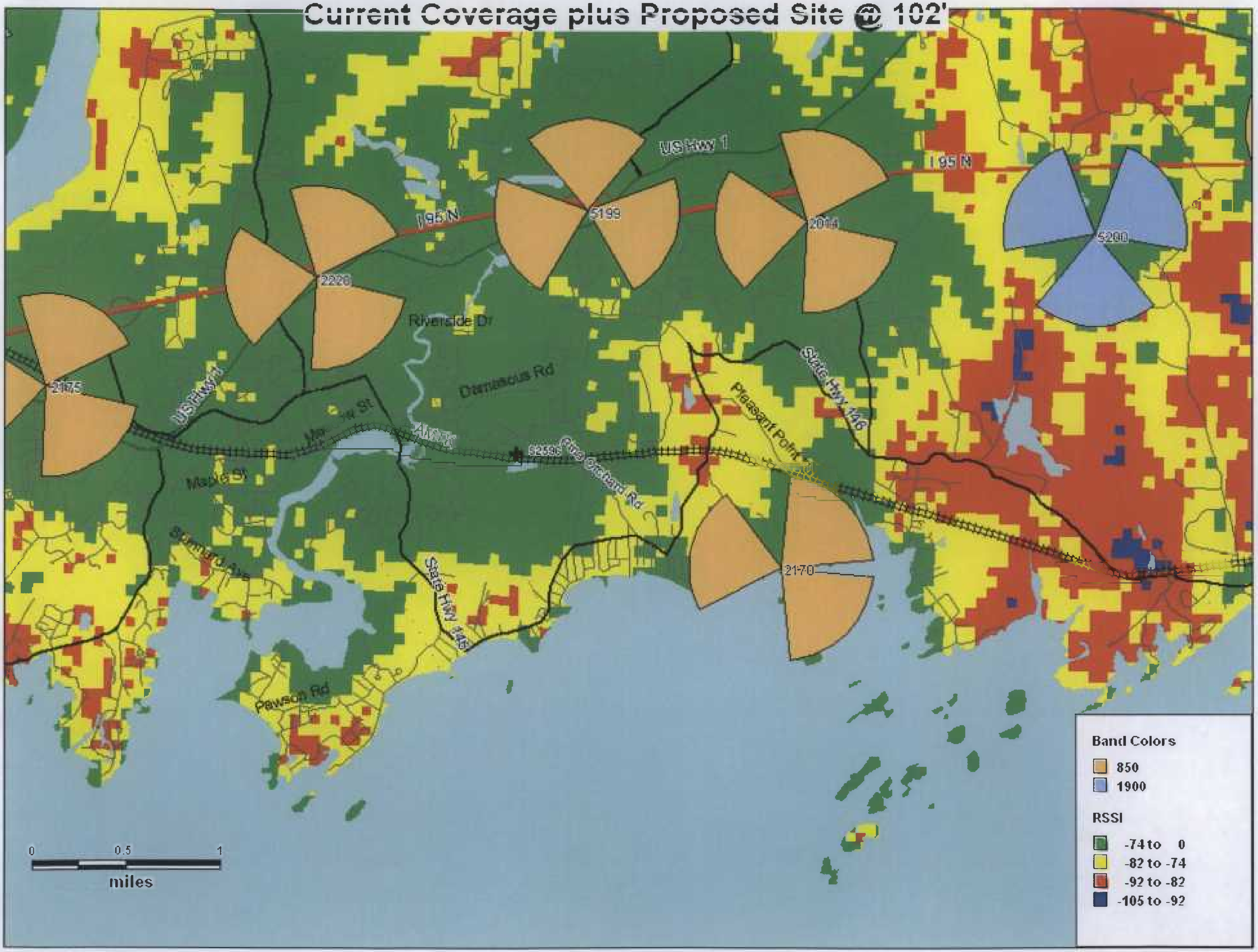
Data and Information Regarding AT&T Sites Surrounding Proposed Site at 123 Pine Orchard Road

AT&T Site Number	Address	Municipality	Height Above Grade Level in Feet	Type of Structure / Facility	Approximate Distance to proposed Facility in Miles
CT2014	21 Acorn Road	Branford	105	Monopole	2.0
CT2170	19O Totoket Road	Branford	48	Rooftop	1.6
CT2175	4 Beaver Road	Branford	115	Monopole	2.5
CT2220	150 North Main St	Branford	113	Monopole	1.4
CT5199	10 SILVIA ST.	Branford	100	Monopole	1.3
CT5200	201 GRANITE ROAD	Guilford	100	Monopole	3.3

B

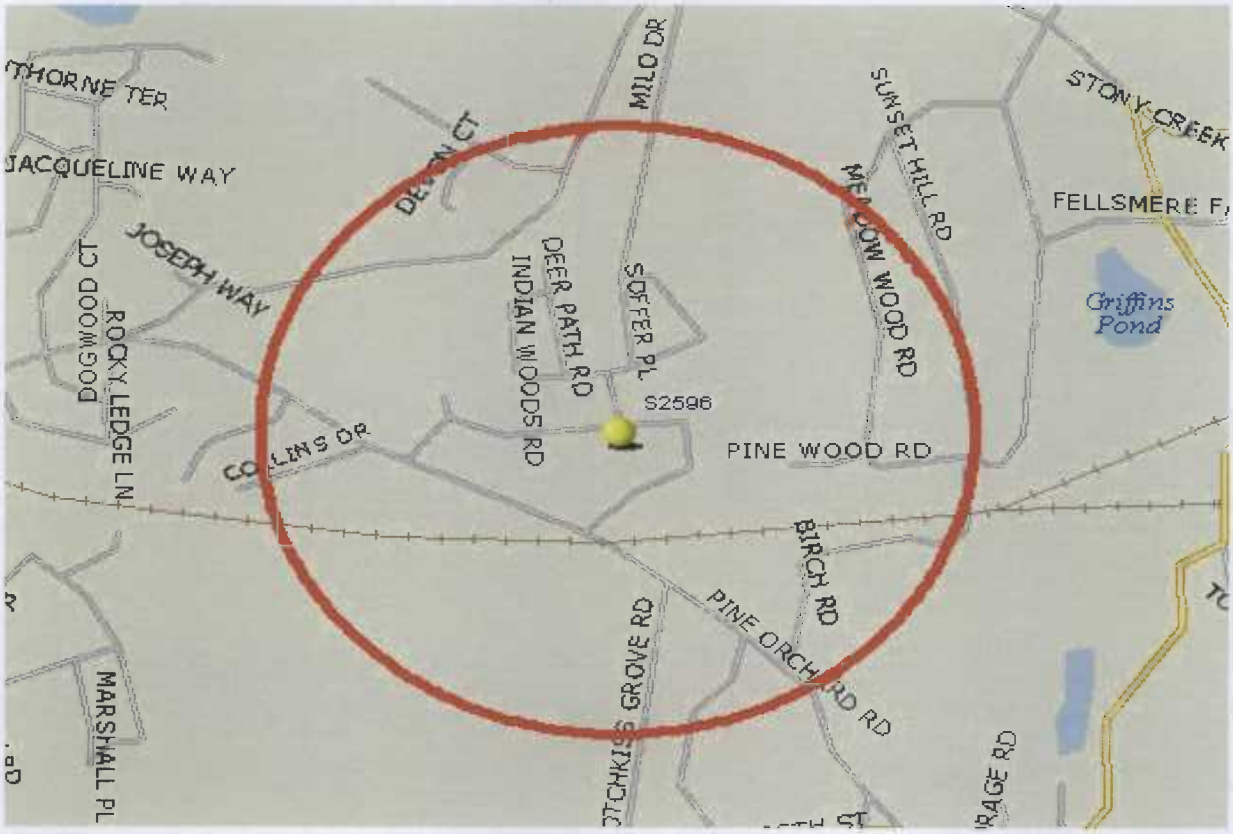

Current Coverage plus Proposed Sites @ 112'
US Hwy 1
I 95 N
5199
2014
5200
2220
Riverside Dr
2175
Pleasant Point Rd
State Hwy 146
Maple St
Pawson Rd
2170
Band Colors
850
1900
RSSI
-74 to 0
-82 to -74
-92 to -82
-105 to -92
0
0.5
1
miles

Current Coverage plus Proposed Site @ 102'



C

AT&T Search Ring S2596 (Branford): Issued 12/17/2008



C&F: 1235048.1

AT&T SR2596: Sites Identified for Potential Facility Location

Name	Coordinates (NAD-83)	Approximate Height Available	Address/Comments
Malavasi Investments (Ace Trailer Leasing)	41-16-28N 72-47-37W	Raw Land	121-123 Pine Orchard Rd (4 +/- acres); only light industrial use in ring. *This is the T-Mobile candidate.*
Shoreline Pet Lodge	41-16-23N 72-47-21W	Raw Land	157 Pine Orchard Rd (5.47 acres); undeveloped area to SW of existing business. *Initial response from owner indicated interest, but there was no response to further inquiries thereafter.*
Brown (Hotchkiss Grove)	41-16-16.5N 72-47-26.6W	Raw Land	Hotchkiss Grove Road (14.12 acres); access R.O.W. at end of Pet Lodge facility; much of the property contains wetlands. *Owner unresponsive to inquiries.*
Walsh Intermediate School	41-16-56N 72-47-02W	Raw Land	185 Damascus Rd (29.01 acres); tower site just south of track. Potential wetlands further to the south. *School not interested in hosting a facility.*