

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

In Re:

APPLICATION OF CELLCO PARTNERSHIP d/b/a)
VERIZON WIRELESS FOR A)
CERTIFICATE OF ENVIRONMENTAL) DOCKET NO. 332
COMPATIBILITY AND PUBLIC NEED FOR THE)
CONSTRUCTION, MAINTENANCE, AND)
OPERATION OF A WIRELESS) JUNE 8, 2007
TELECOMMUNICATIONS FACILITY IN THE)
TOWN OF WASHINGTON, CONNECTICUT)

NEW CINGULAR WIRELESS PCS, LLC ("AT&T")
RESPONSE TO CONNECTICUT SITING COUNCIL PRE-HEARING INTERROGATORIES
AND SUPPLEMENTAL INFORMATION

- Q.1. Discuss Cingular's need for the proposed facility including the specific roads/areas where coverage is inadequate. What are the existing levels in the areas requiring improved coverage?
- R.1. Proposed Site 1 or Site 2 is needed by AT&T to provide coverage to gaps in service along Route 202, East Shore Road (Route 45), Lake Road, Beardsley Road and local areas in the vicinity of the proposed sites. Site 1 will provide 850 MHz service for approximately 3.1 miles along Route 202 and 1.1 miles along Route 45. Site 2 will provide 850 MHz service for approximately 2.9 miles along Route 202 and 1.1 miles along Route 45. There is currently no usable signal along the portion of Routes 202 and 45 in the vicinity of the proposed sites and east and north of the proposed sites. The signal level to the west of the proposed sites is well below -100 dBm, which is unacceptable for providing adequate service.
- Q.2. 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 the site.
- R.2. AT&T is proposing to install two Powerwave model 7770 panel antennas in three sectors for a total of six antennas. The antennas will be mounted at a centerline height of 140' AGL. Each Powerwave model 7770 antenna is approximately 55" in height, 11" in width and 5" in depth.
- Q.3. Provide statistics, if available, on the number of dropped calls that presently exist within the target service area.
- R.3. The following statistics regarding dropped calls from AT&T's existing sites in the area are available:

Cell ID	Face	Location	Town	% of Lost Calls
1008	1	136 Bulls Bridge Rd	Kent	9.39
1059	1	Chestnut Lane	New Milford	13.65
1059	2	Chestnut Lane	New Milford	13.65
1035	3	Bantam Rd	Litchfield	8.01
1174	2	Watertown Rd	Morris	10.12
2001	1	Boardman Rd	New Milford	3.75
2155	1	4 Elkington Farm Rd	New Milford	4.42

The percentage of lost calls shown in this table is the percentage of all calls that the site can handle. AT&T's design standard for dropped calls is 1.5% or below.

- Q.4. Provide the operating frequency and the minimum signal level thresholds Cingular intends to use in this area.
- R.4. At this time, this site would be an 850 MHz only site. AT&T's current design signal level thresholds for this site are -75 dBm for in-building service, -82 dBm for in-vehicle service and otherwise -92 dBm.
- Q.5. Provide a multi-signal level propagation plot, at a scale of 1:40,000 and at the frequency identified in Question 4, depicting coverage from all existing Cingular 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. Please provide separate plots for cellular and PCS frequencies, if applicable.
- R.5. Included in Attachment 1 is a propagation plot depicting existing coverage from AT&T's existing sites in the area at -75 dBm, -80 dBm and -90 dBm levels, levels and a format Cingular has previously provided to the Council. The table below includes a description of AT&T's existing sites shown in the attached plot.

Cell ID	Location	Town	Approximate Distance from Site 1 miles	Approximate Distance from Site 2 miles	Facility type	Antenna Height Feet
1008	136 Bulls Bridge Rd	Kent	6.3	6.7	monopole	180
1059	Chestnut Lane	New Milford	2.2	2.7	monopole	130
1035	Bantam Rd	Litchfield	6.3	6	monopole	130
1174	Watertown Rd	Morris	10	9.6	lattice	165
2001	Boardman Rd	New Milford	6.1	6.4	lattice	120
2155	4 Elkington Farm Rd	New Milford	5.8	6.1	monopole	154

- Q.6 Provide a multi-signal level propagation plot, at a scale of 1:40,000, depicting coverage from existing Cingular sites and the proposed site at the height specified in Question 2. Depict and label major roads on the plot. Please provide separate plots for cellular and PCS frequencies, if applicable.
- R.6. Included in Attachment 2 are propagation plots depicting coverage from existing AT&T sites and the proposed sites at a centerline mounting height of 140' AGL, the height available to AT&T at each proposed site. Proposed Site 1 is labeled S22451 and proposed Site 2 is labeled S22452 in the attached plots.
- Q.7. What is the minimum antenna height required to meet coverage objectives? Provide an additional propagation plot(s) to demonstrate the need for this minimum height.
- R.7. At proposed Site 1, AT&T's minimum height to provide adequate service is 110' AGL and at proposed Site 2, AT&T's minimum height is 120' AGL. Included in Attachment 3 are propagation plots for proposed Site 1 and existing surrounding sites depicting coverage from heights of 100', 110' and 120' AGL. Also included in Attachment 3 are propagation plots for proposed Site 2 and existing surrounding sites depicting coverage from heights of 110', 120' and 130' AGL.

At both proposed sites, service below the minimum height degrades to the northeast of the proposed sites, where AT&T does not have an existing hand-off site. At the minimum heights, the proposed site will extend service to this area northeast of the proposed site.

- Q.8. Provide specifications of the ground equipment proposed for the site.
- R.8. This equipment will be housed in AT&T's standard 12' by 20' unmanned equipment shelter. Emergency power will be provided by a combination of high capacity storage batteries, as well as, the capability of connecting a portable generator. The equipment will include Nokia GSM cellular equipment and room for future upgrades and use of 1900 MHz spectrum at the site.
- Q.9. Provide a power density analysis according to the methodology prescribed in the FCC Office of Engineering and Technology Bulletin No. 65E, Edition 97-01 (August 1997) assuming all Cingular antennas are oriented towards the base of the tower and all channels are operation simultaneously.
- R.9. At an antenna centerline mounting height of 140' AGL and assuming all antennas are oriented towards the base of the tower and all channels are operation simultaneously, the power density is 5.5% of the applicable standard.

	00000 Centerline Height above Ground (feet)	00000000 Frequency 0000000 (MHz)	00000000 Number of Channels per Sector	Power Per Channel (Watts ERP)	00000000 Power Density (mW/cm ²)	00000000 Standard Regulatory Limits (mW/cm ²)	0000000 Percent of Regulatory Limit
Cingular / AT&T	140	880-894	6	296	0.0326	0.5867	5.55

Supplemental Information:

In 2002, AT&T Wireless, a predecessor in interest to the current AT&T, petitioned the Town of Washington Zoning Commission to amend its zoning regulations as they related to wireless facilities in order to potentially use a church steeple in the New Preston area and vicinity of Verizon's now proposed tower facilities. The Town Zoning Commission denied AT&T Wireless' request and a copy of its April 3, 2003 resolution is annexed hereto as Exhibit 4. Point 5 of the Zoning Commission's resolution noted the likely need for a new tower in the area in light of its decision to deny AT&T Wireless' petition. Thereafter, efforts at finding tower alternatives were undertaken by AT&T Wireless representatives in informal consultation with Town officials. By the end of 2003, the search ring was put on-hold by AT&T Wireless without specific candidates having been identified and pursued. AT&T now seeks to co-locate on one of Verizon's proposed tower facilities in this Docket.

CERTIFICATE OF SERVICE

I hereby certify that on this day, AT&T's Response to Siting Council Interrogatories and Supplemental Information were served on the Connecticut Siting Council and parties and intervenors electronically with the original and copies to be provided by first class mail.

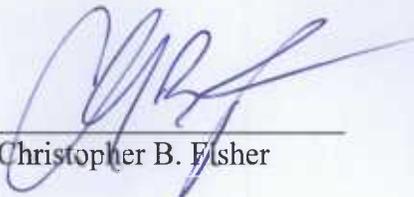
Sandy Carter, Regulatory Manager
Verizon Wireless
99 East River Drive
East Hartford, Connecticut 06108

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Robinson & Cole, LLP
280 Trumbull Street
Hartford, Connecticut 06103-3597

The Honorable Richard C. Sears
First Selectman
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P.O. Box 383
2 Bryan Plaza
Washington Depot, CT 06794

Steven R. Smart, Esq.
Riefberg, Smart, Donohue & NeJame, PC
9 Old Sugar Hollow Road
Danbury, CT 06810

Dated: June 8, 2007

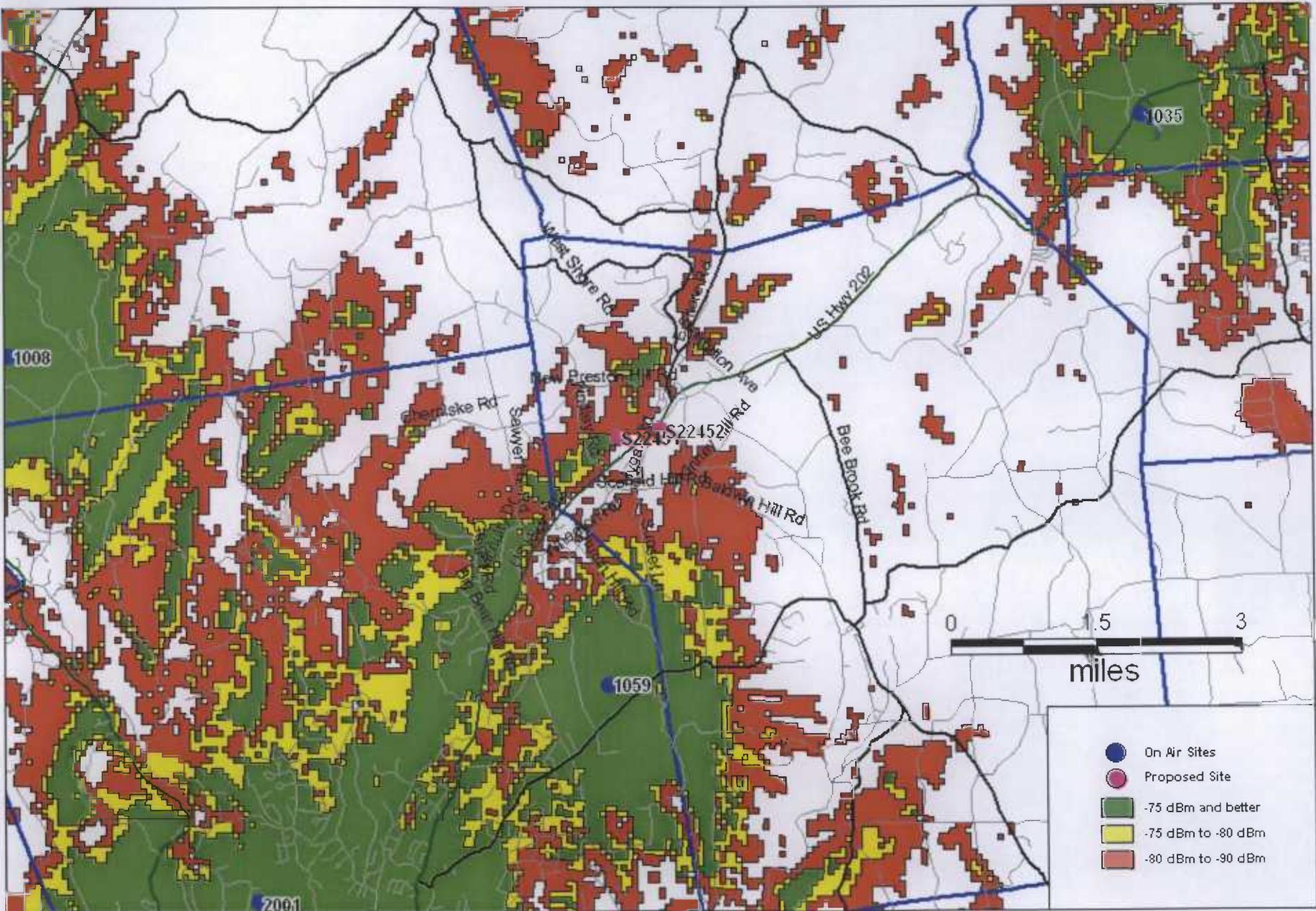


Christopher B. Fisher

cc: John Blevins, AT&T, 500 Enterprise Drive, 3rd Fl., Rocky Hill, CT 06067

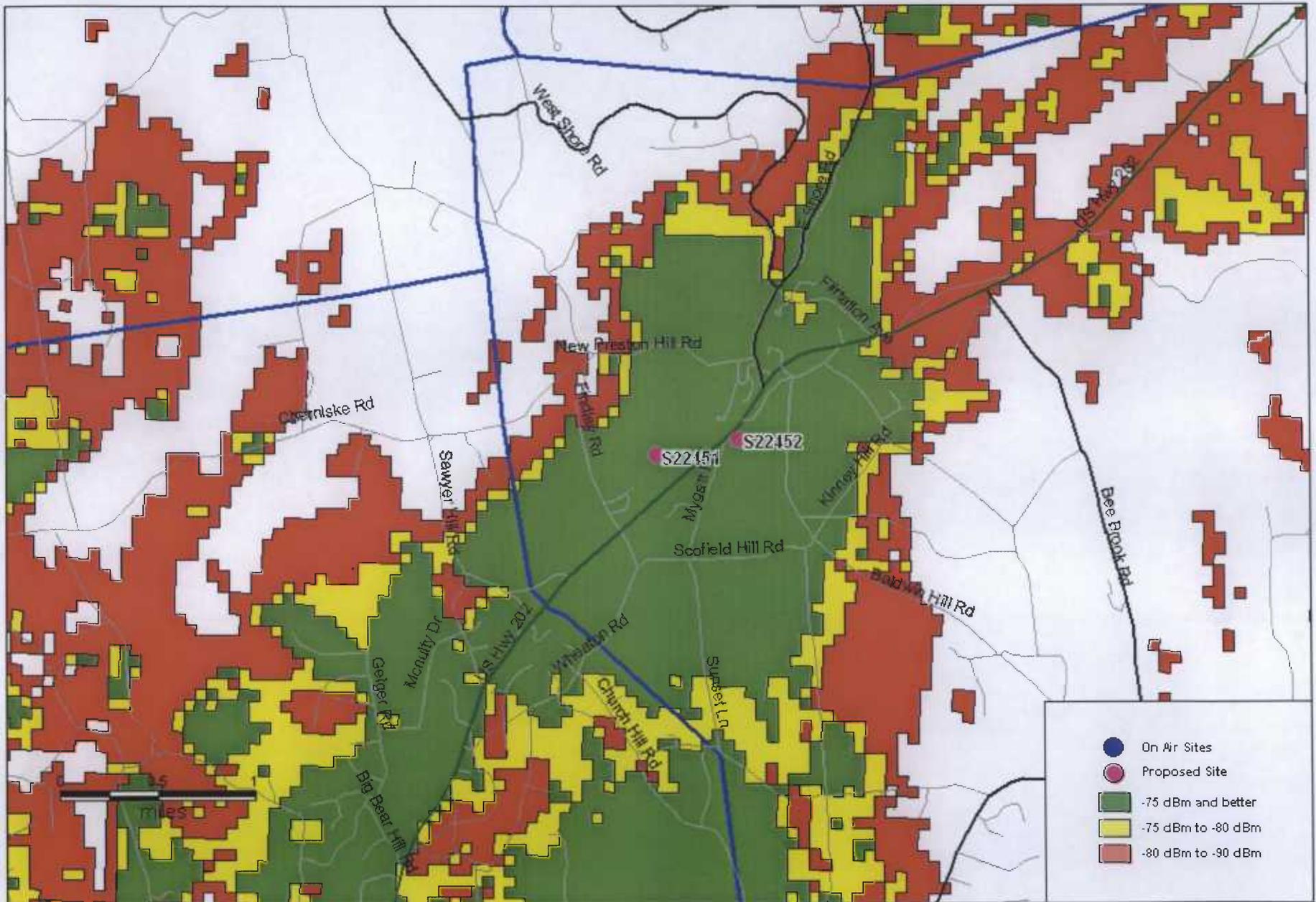


at&t mobility
Current Cells - 850 MHz Coverage
Washington, CT.



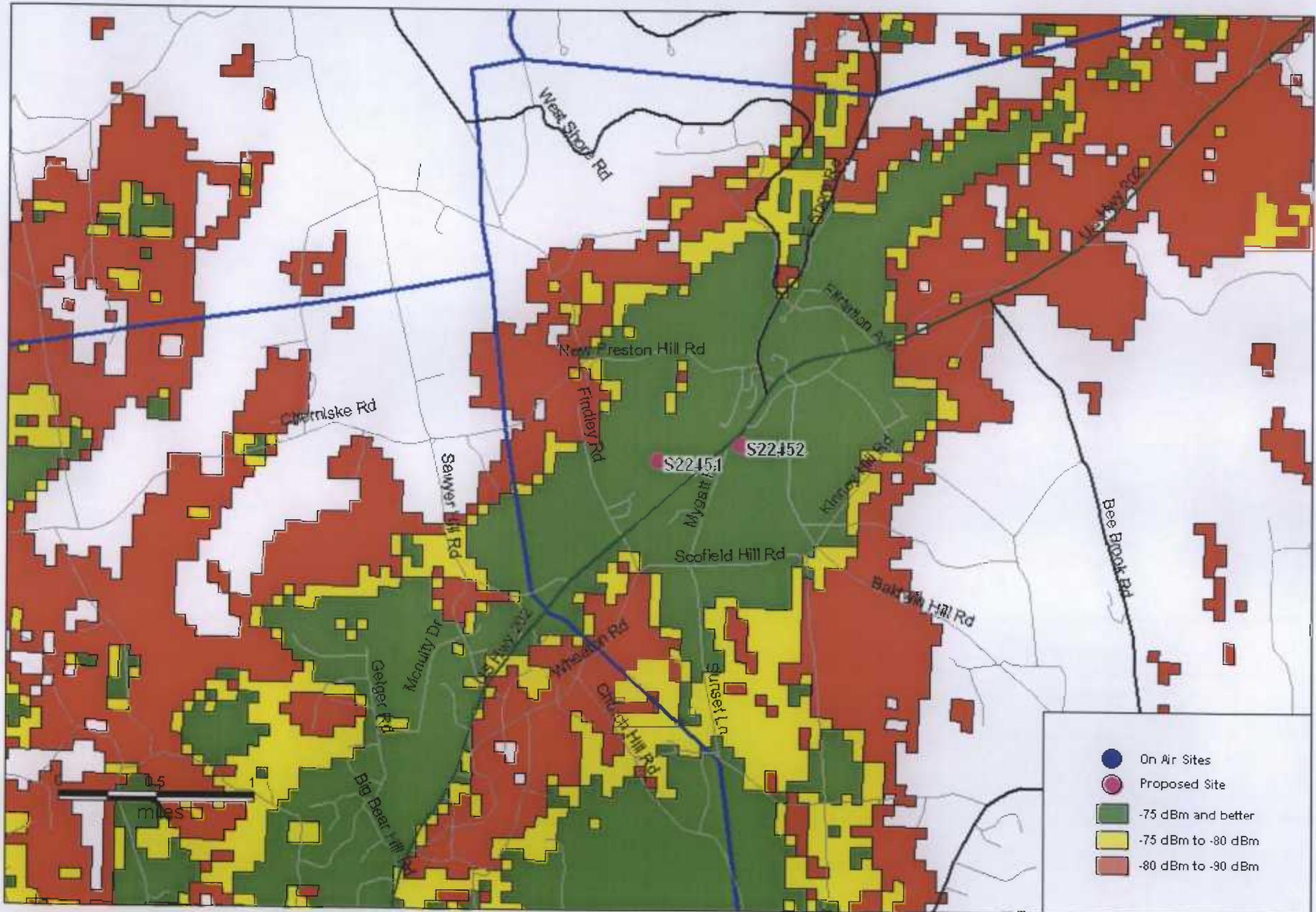


at&t mobility
Proposed Cell S22451 - 850 MHz Coverage from 140'
Washington, CT.



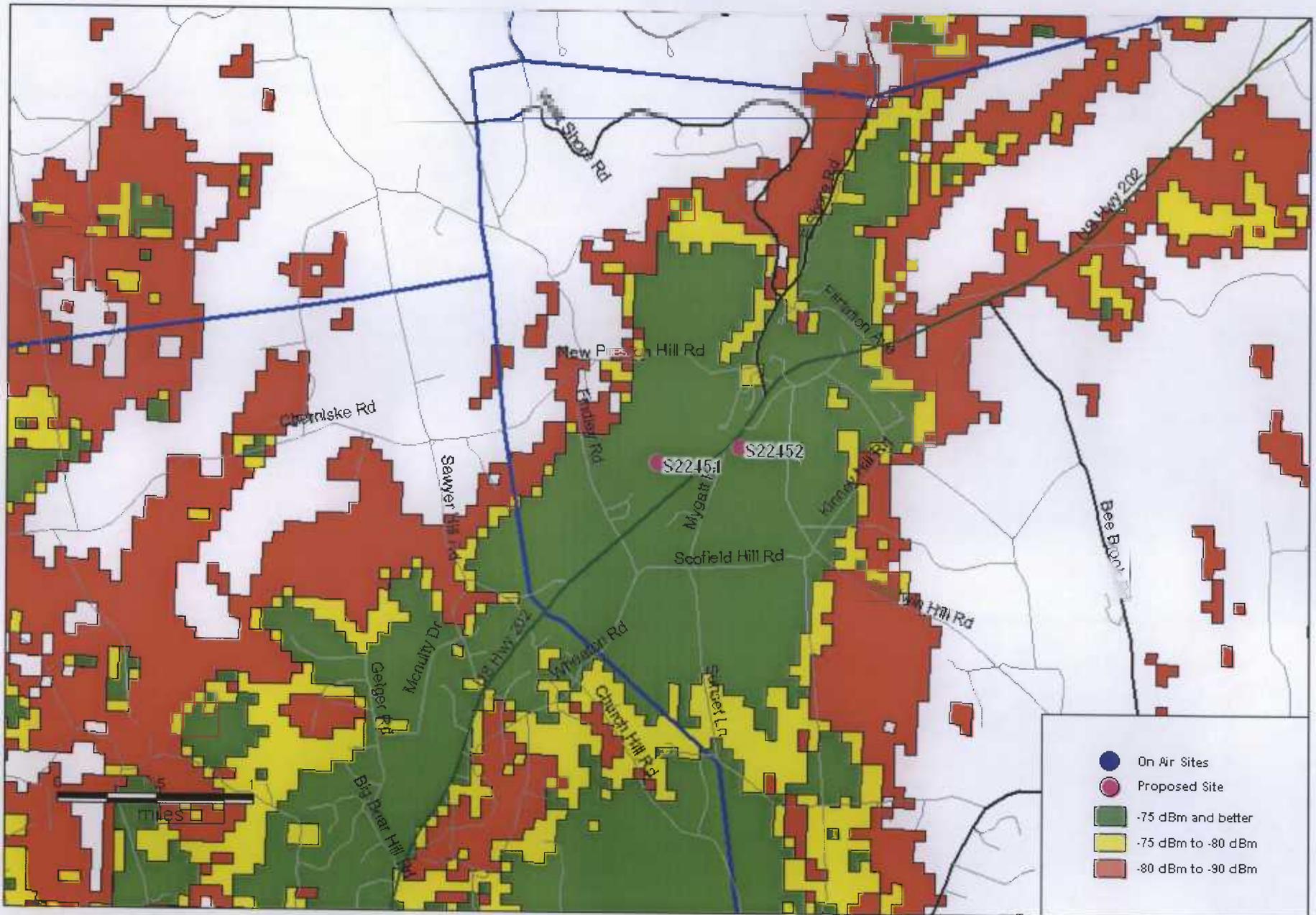


at&t mobility
Proposed Cell S22452 - 850 MHz Coverage from 140'
Washington, CT.



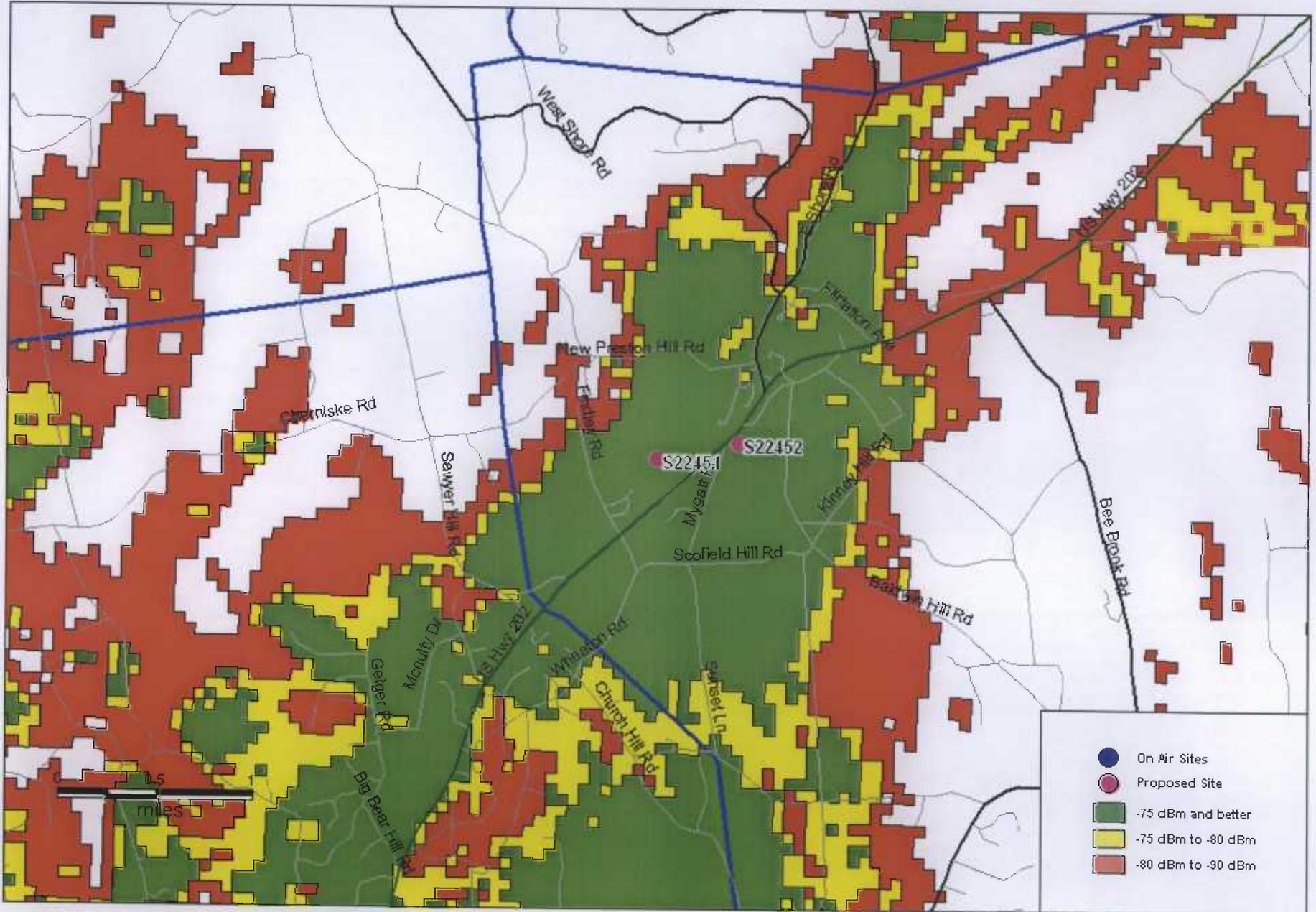


at&t mobility
Proposed Cell S22451 - 850 MHz Coverage from 100'
Washington, CT.



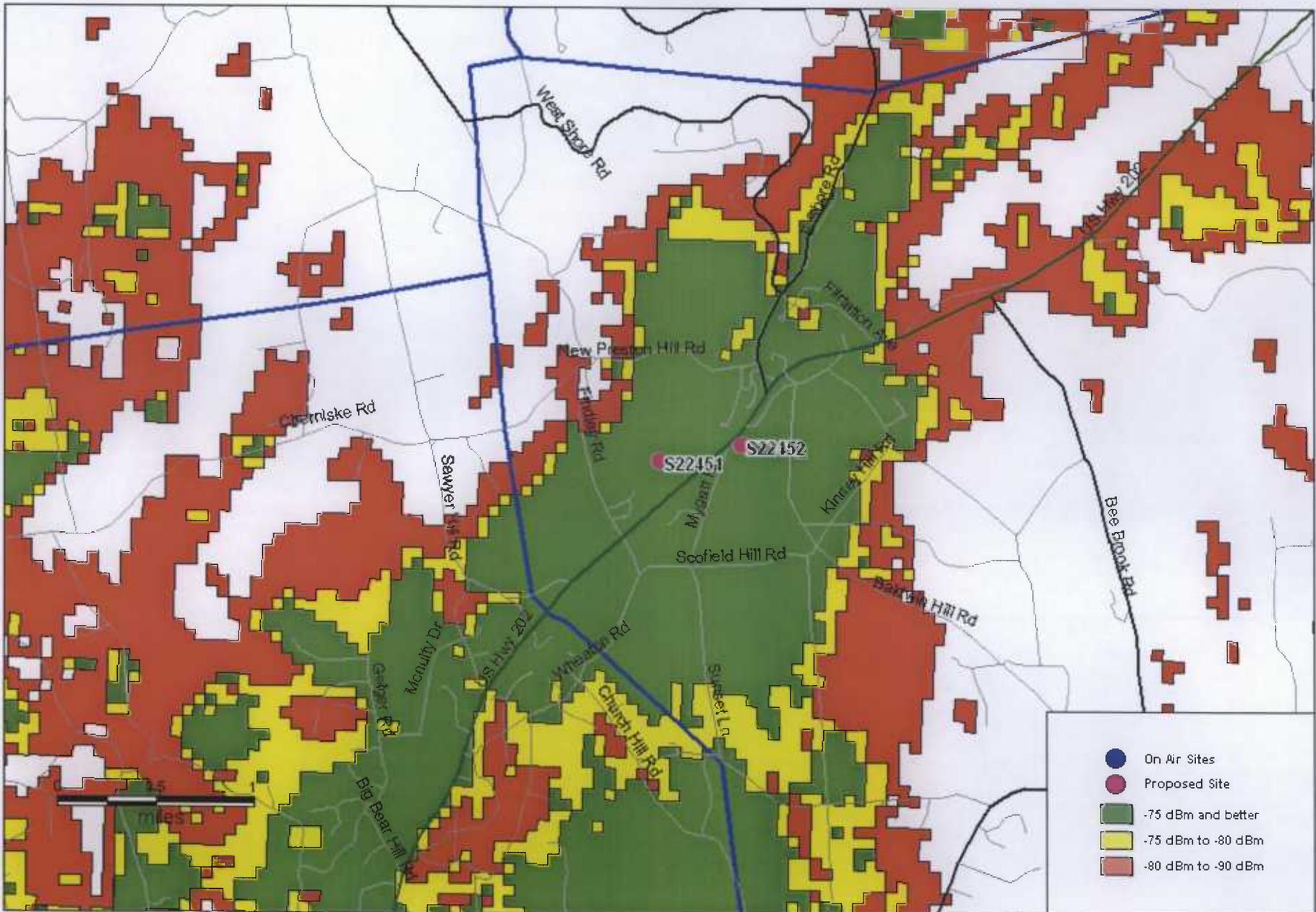


at&t mobility
Proposed Cell S22451 - 850 MHz Coverage from 110°
Washington, CT.



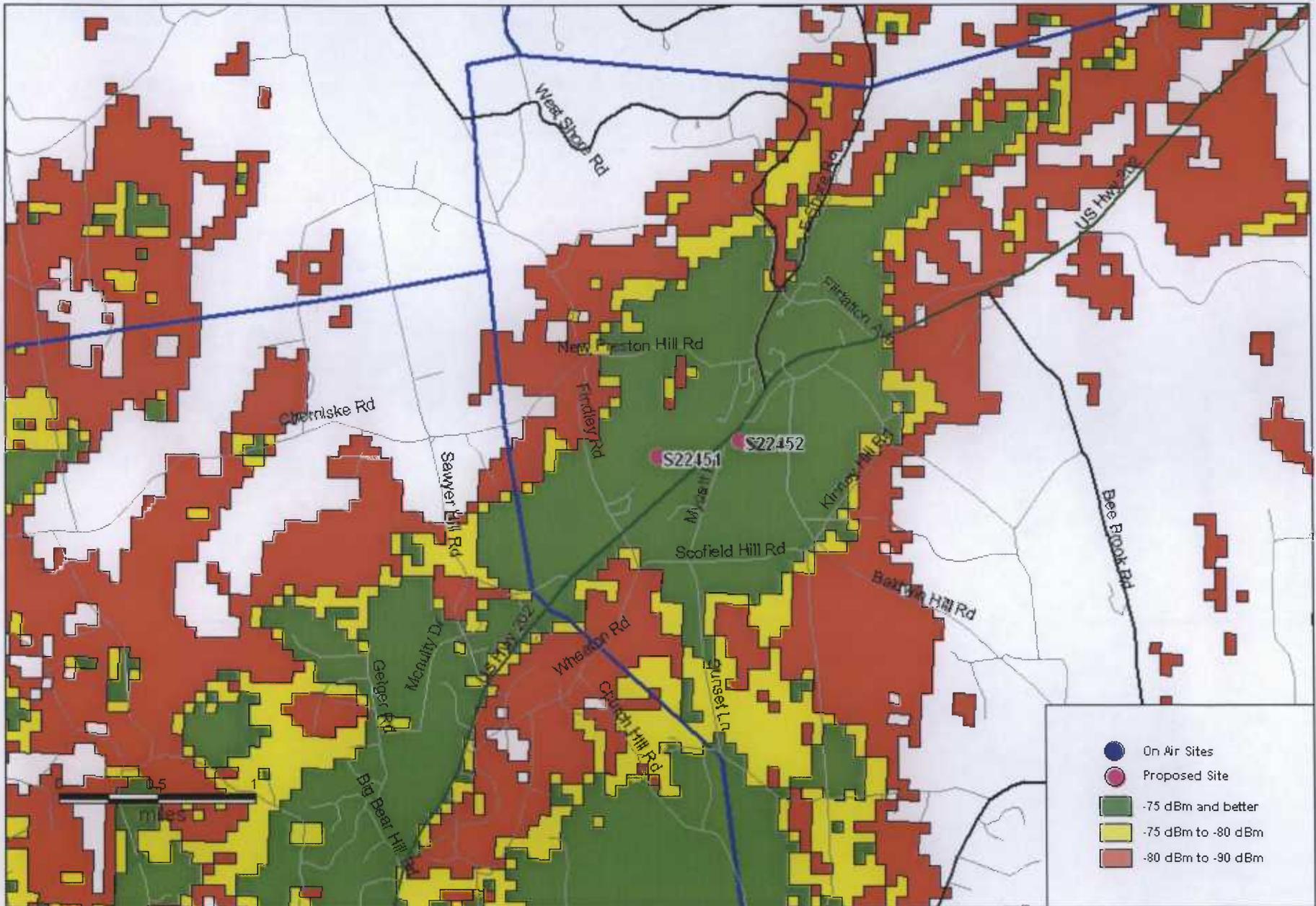


at&t mobility
Proposed Cell S22451 - 850 MHz Coverage from 120'
Washington, CT.



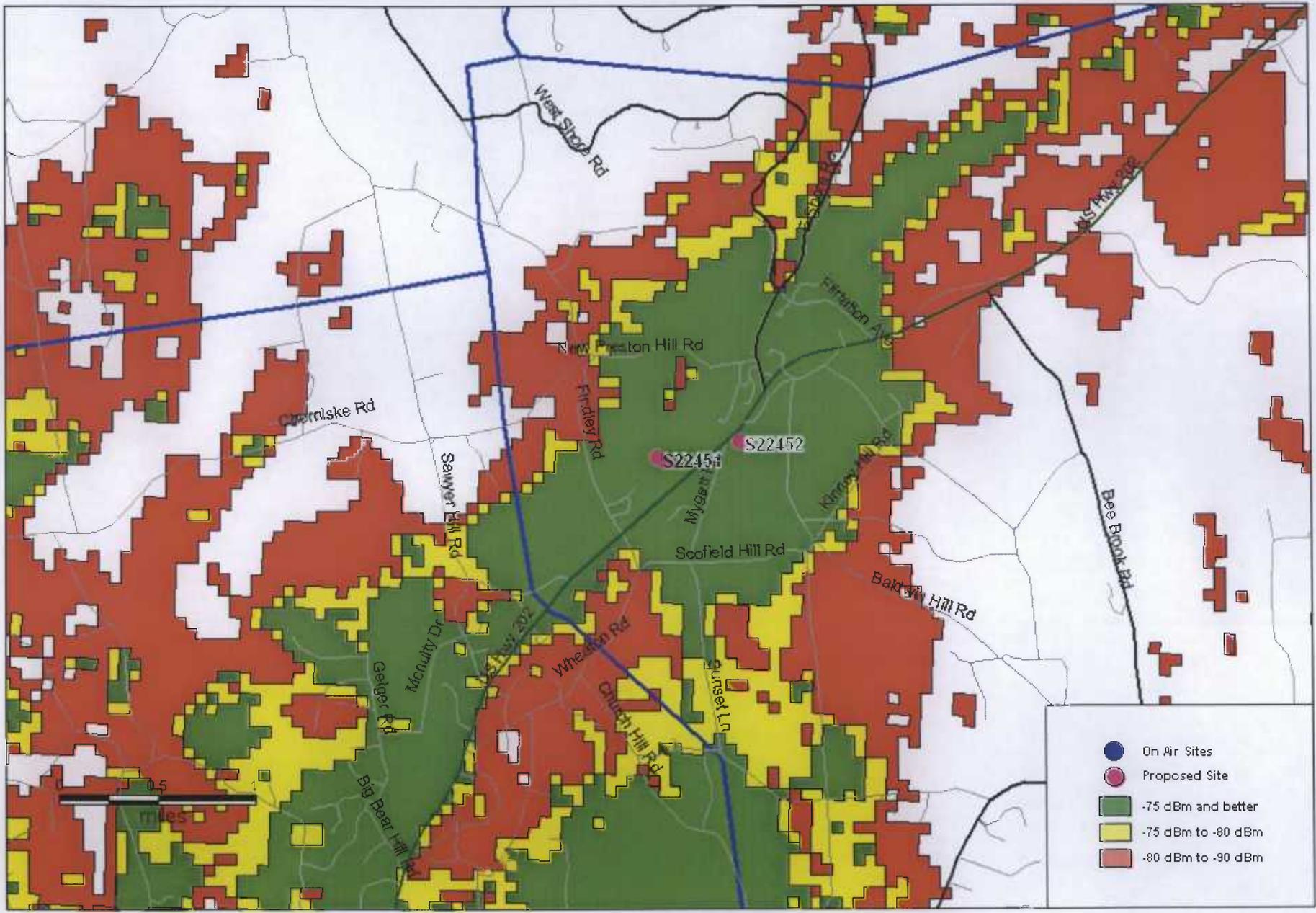


at&t mobility
Proposed Cell S22452 - 850 MHz Coverage from 110'
Washington, CT.





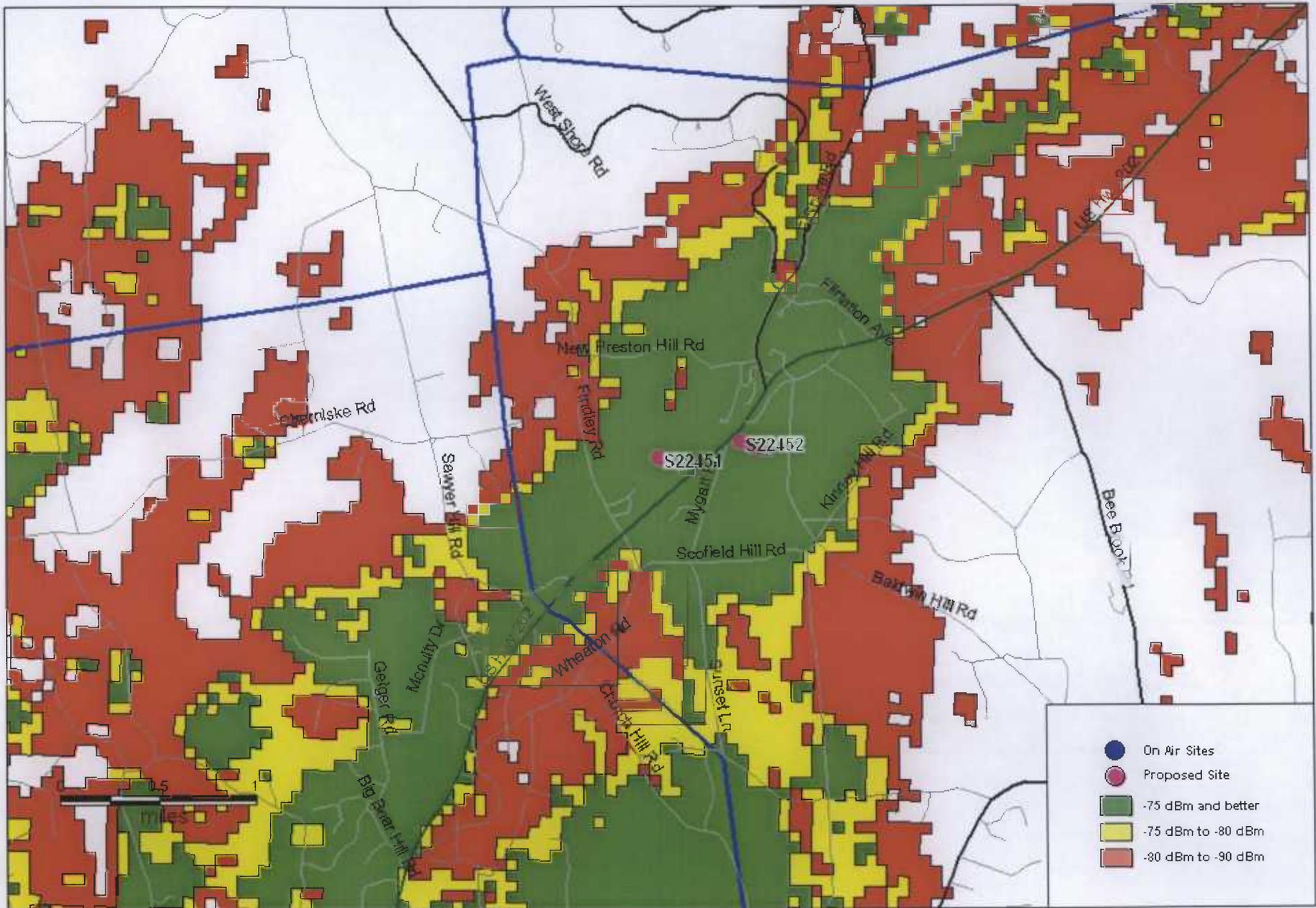
at&t mobility
Proposed Cell S22452 - 850 MHz Coverage from 120'
Washington, CT.



- On Air Sites
- Proposed Site
- -75 dBm and better
- -75 dBm to -80 dBm
- -80 dBm to -90 dBm



at&t mobility
Proposed Cell S22452 - 850 MHz Coverage from 130°
Washington, CT.



TOWN OF WASHINGTON

file 1844.789

BRYAN MEMORIAL TOWN HALL
POST OFFICE BOX 383
WASHINGTON DEPOT, CONNECTICUT 06794

Zoning Commission

April 3, 2003

AT&T Wireless PCS, LLC
c/o Atty. Daniel F. Leary
Cuddy & Feder & Worby, LLP
90 Maple Avenue
White Plains, New York 10601-5196

Re: AT&T Wireless PCS, LLC
Petition to Amend Washington Zoning Regulations
Sections 13.19.8.o and 13.19.8.q

Dear Atty. Leary:

For your records, please be advised that at its regularly scheduled meeting held on Monday, March 24, 2003 the Washington Zoning Commission took the following action.

MOTION: That the petition by AT&T Wireless PCS, LLC d/b/a AT&T Wireless to amend Sections 13.19.8.o and 13.19.8.q of the Washington Zoning Regulations be denied for the following reasons:

1. The public hearing evidences widespread support by Washington residents for the existing Zoning Regulations. These Regulations were adopted after a public hearing in which careful review of the consistency of the telecommunications regulations with Washington's comprehensive plan of zoning and its Plan of Conservation and Development and of the potential impacts to the Town of possible future telecommunications facilities took place. The record also shows that the setback provisions addressed by the petition were purposefully included in Washington's telecommunications regulations. The Commission finds that the existing regulations satisfactorily balance the need to provide for seamless telecommunications coverage with the need to protect Washington residents and taxpayers from undue and unnecessary impact to the public health, safety, and welfare of the community. The Commission

further finds that the petitioner has not demonstrated that the proposed amendments would provide a better or fairer balance between these potentially competing goals. The Commission further finds that the petitioner failed to show whether or how the proposed amendments comport with the comprehensive plan of zoning or the Plan of Conservation and Development.

2. The Commission finds that the petitioner has failed to demonstrate that it would be unable to provide seamless telecommunications coverage for its PCS network without the proposed amendments. The record reflects that the site currently under consideration is only one potentially feasible alternative, that other potential sites exist or may exist that would not require an amendment to the Regulations, and that the petitioner has not fully explored such potential alternatives. The Commission concludes that the amendment of its existing telecommunications regulations should not be taken as a matter of mere convenience to a particular applicant or for a particular site, without a demonstration that the existing regulations are more generally impractical, unworkable, or inadequate to address the matters to which they pertain. The Commission finds that no such demonstration has been made to date with regard to the presently proposed amendments.
3. The petitioner has suggested that the visual impact of a telecommunications facility is the only impact that may or should be of significance to the Commission. Although the Commission understands that its ability to consider the possible health and environmental impacts of telecommunications facilities is presently limited by federal or state laws or regulations, it also understands that it is not completely prohibited from considering such factors, particularly when more than one equally viable location for a proposed facility is potentially available.
4. The Commission has considered, and agrees with, the comments of the Washington Planning Commission, as set forth in its memo dated January 23, 2003.
5. The Commission finds that, while the proposed use of an existing structure could mitigate visual impacts for a specific telecommunications facility, it does not necessarily limit proliferation of

wireless facilities that have visual impacts in Washington. The record shows that co-location would probably not be feasible in the church steeple the petitioner is presently considering for its facilities. Consequently, other carriers who may require a site in New Preston may need to erect a tower regardless of whether the petitioner's equipment is installed in the existing structure. Therefore, the Commission finds that the use of an existing structure by one applicant would not necessarily eliminate the need for a tower at a nearby location, and that the amendment would not necessarily provide any visual benefit to the Town in the long run.

If you have any questions or need any other additional information, please do not hesitate to call me at 860-868-0844.

Yours truly,

Janet M. Hill

Janet M. Hill
Zoning Enforcement Officer

Certified mail/return receipt requested