

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE: :  
: :  
APPLICATION OF OPTASITE TOWERS LLC : DOCKET NO. 340  
AND OMNIPOINT COMMUNICATIONS, :  
INC. FOR A CERTIFICATE OF :  
ENVIRONMENTAL COMPATIBILITY AND :  
PUBLIC NEED FOR THE CONSTRUCTION, :  
MAINTENANCE AND OPERATION OF A :  
TELECOMMUNICATIONS FACILITY AT 1 :  
DEERFIELD LANE, ANSONIA, :  
CONNECTICUT : SEPTEMBER 14, 2007

RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS  
TO CONNECTICUT SITING COUNCIL PRE-HEARING INTERROGATORIES

On September 6, 2007, the Connecticut Siting Council (“Council”) issued Pre-Hearing Interrogatories to the Intervenor, Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to the above-captioned docket. Below are Cellco’s responses.

Question No. 1

What are Cellco Partnership d/b/a Verizon Wireless’ (Cellco) licensed frequencies in New Haven County?

Response

In New Haven County Cellco is licensed to operate in the cellular (869-880 MHz), PCS F Block (1970-1975 MHz) and PCS C3 Block (1975 -1980 MHz) frequency bands.

Question No. 2

What is the signal strength for which Cellco designs its wireless system?

Response

Negative 85 dBm.

Question No. 3

What is Cellco's existing signal strength in the area of the proposed tower?

Response

Cellco's signal strength in the area surrounding the proposed Ansonia facility ranges from -86dBm to below -110 dBm.

Question No. 4

Does Cellco have a coverage gap on Route 313? On Peck Hill Road? If so, what is the size of the coverage gap on Route 313? On Peck Hill Road?

Response

Cellco currently experiences a 2.3 mile gap at cellular frequencies and a 5.2 mile gap in coverage at PCS frequencies coverage along Route 313, and a 2.1 mile gap at cellular frequencies and a 3.2 mile gap in coverage at PCS frequencies coverage along Old Peck Hill Road.

Question No. 5

What would be the distance on Route 313 that Cellco's antennas would cover?

Response

The proposed Ansonia East cell site would cover an approximately 3.5 mile portion of Route 313 at cellular frequencies and an approximately 3.3 mile portion of Route 313 at PCS frequencies.

Question No. 6

What would be the distance on Peck Hill Road that Cellco's antennas would cover?

Response

The proposed Ansonia East cell site would cover an approximately 2.3 mile portion of Old Peck Road at cellular frequencies and an approximately 2.0 mile portion of Old Peck Road at PCS frequencies.

Question No. 7

What is the total area that Cellco's antennas would cover from this site?

Response

The proposed Ansonia East cell site would provide coverage to an overall area of approximately 19.5 square miles at cellular frequencies and approximately 9.0 square miles at PCS frequencies.

Question No. 8

With which existing Cellco facilities would antennas at this location hand off signals? Identify sites by height of structure, height of antennas, type of structure, address, distance, and direction from the proposed site.

Response

The proposed Ansonia East facility would hand-off calls to 7 adjacent cell sites:

1. Cellco's "Ansonia" cell site is located approximately 2.4 miles to the west.  
Cellco antennas at this location are mounted at the 178-foot level on an existing 196-foot lattice tower at 401 Wakelee Street, Ansonia, Connecticut.
2. Cellco's "Derby" cell site is located approximately 2.9 miles to the southwest.  
Cellco antennas at this location are mounted at the 50-foot level on an existing church bell tower at 123 Mineva Street, Derby, Connecticut.
3. Cellco's "Beacon Falls" cell site is located approximately 4.2 miles to the

northwest. Cellco antennas at this location are mounted at the 150-foot level on an existing 160-foot tower at 664 Rimmon Hill Road, Beacon Falls, Connecticut.

4. Cellco's "Woodbridge South" cell site is located approximately 2.7 miles southeast. Cellco's antennas at this location are mounted at the 127-foot level on an existing 150-foot monopole tower at 1027 Race Brook Road, Woodbridge, Connecticut.
5. Cellco's "Hamden" cell site is located approximately 3.7 miles to the east. Cellco's antennas at this location are mounted at the 170-foot level on an existing 180-foot lattice tower at 1055 Wintergreen Ave., Hamden, Connecticut.
6. Cellco's "Woodbridge East" cell site is located approximately 4.2 miles east. Cellco's antennas at this location are mounted at the 77-foot level and 67-foot level on an existing 80-foot Flag Pole tower at 100 Pond Lilly Ave., Hamden, Connecticut.
7. Cellco's "Bethany" cell site is located approximately 4.5 miles to the northeast. Cellco's antennas at this location are mounted at the 180-foot level on an existing 250-foot lattice tower at 93 Old Amity Road, Bethany, Connecticut.

Question No. 9

Provide the following information for Cellco antennas that would be installed on this tower: number of channels per sector for each antenna system that would be installed on the proposed tower, watts ERP per channel for each antenna system, frequency at which each antenna system would operate, and height at which Cellco antennas would be installed.

Response

Cellular Antennas

<u>Alpha Sector – 167 Feet</u>	<u>Beta Sector – 167 Feet</u>	<u>Gamma Sector – 167 Feet</u>
Antenna Type LPA-80063/6CF	Antenna Type LPA-80063/6CF	Antenna Type LPA-80063/6CF
No. of Channels: 9	No. of Channels: 9	No. of Channels: 9
ERP/Channel: 200 W Max	ERP/Channel: 200 W Max	ERP/Channel: 200 W Max

PCS Antennas

<u>Alpha Sector – 167 Feet</u>	<u>Beta Sector – 167 Feet</u>	<u>Gamma Sector – 167 Feet</u>
Antenna Type LPA-185063/12CF	Antenna Type LPA-185063/12CF	Antenna Type LPA-185063/12CF
No. of Channels: 6	No. of Channels: 6	No. of Channels: 6
ERP/Channel: 200W Max	ERP/Channel: 200W Max	ERP/Channel: 200W Max

Question No. 10

How many antennas would Cellco install on the proposed tower? How would they be mounted?

Response

Cellco would install a total of 12 antennas (six cellular and six PCS) at this site. The antennas could be mounted on a conventional platform, a low profile platform or on T-arms.

Question No. 11

Provide propagation maps showing the following:

- a) Cellco's existing coverage
- b) Cellco's proposed coverage

- c) Cellco's coverage assuming that its antennas are centered ten feet lower than proposed

Response

The plots requested are included in Attachment 1.

- a) Cellco's existing cellular and PCS coverage from adjacent sites in Ansonia, Woodbridge, Derby, Bethany and Beacon Falls.
- b) Cellco's existing and proposed Ansonia East coverage at 167' AGL at cellular and PCS frequencies.
- c) Cellco's existing and proposed Ansonia East coverage at 157' AGL at cellular and PCS frequencies.

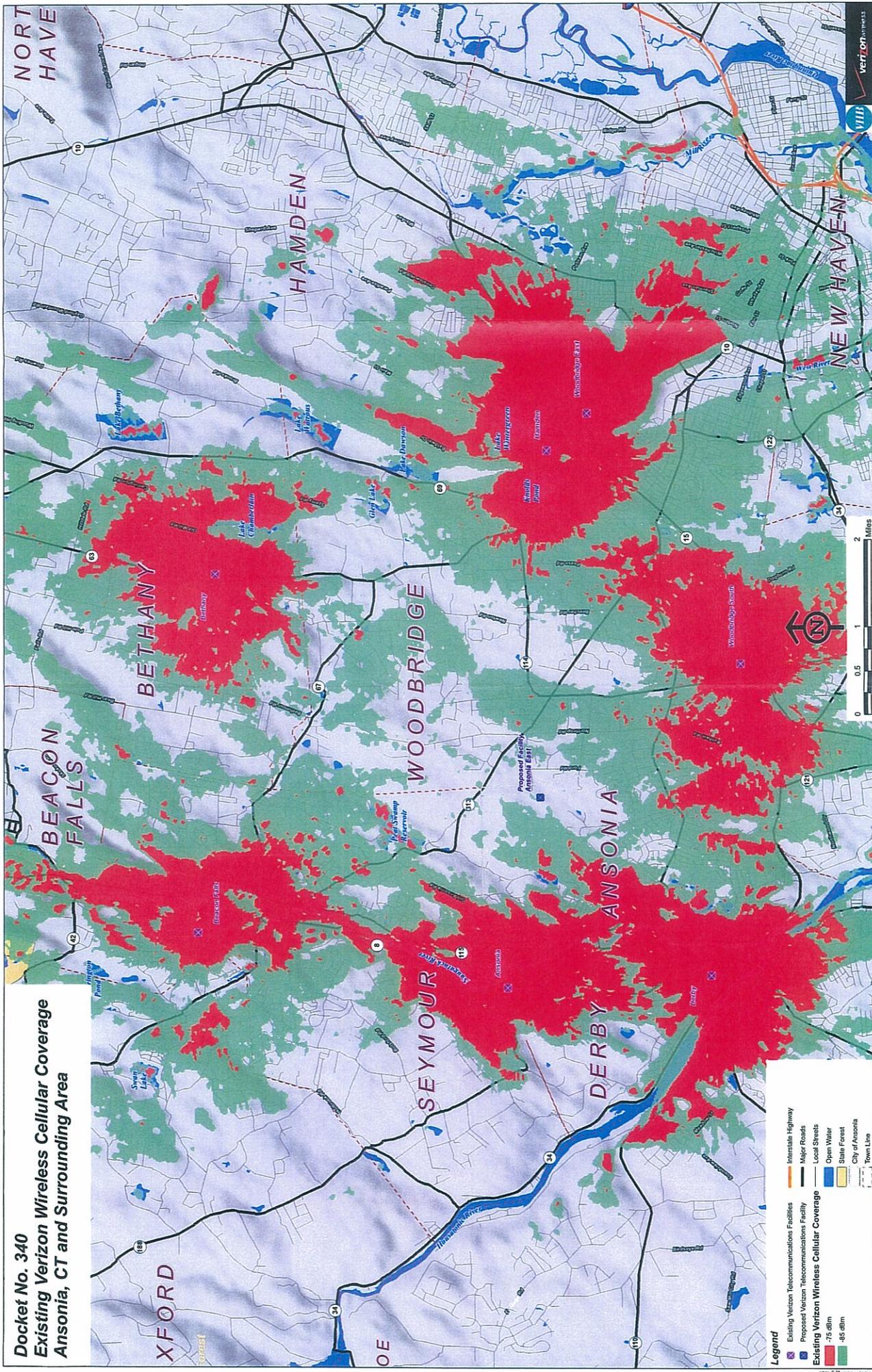
CERTIFICATE OF SERVICE

I hereby certify that on the 14<sup>th</sup> day of September 2007, a copy of the foregoing was sent,  
postage prepaid, to:

Julie Kohler, Esq.  
Carrie Larson, Esq.  
Cohen and Wolf, P.C  
1115 Broad Street  
Bridgeport, CT 06604

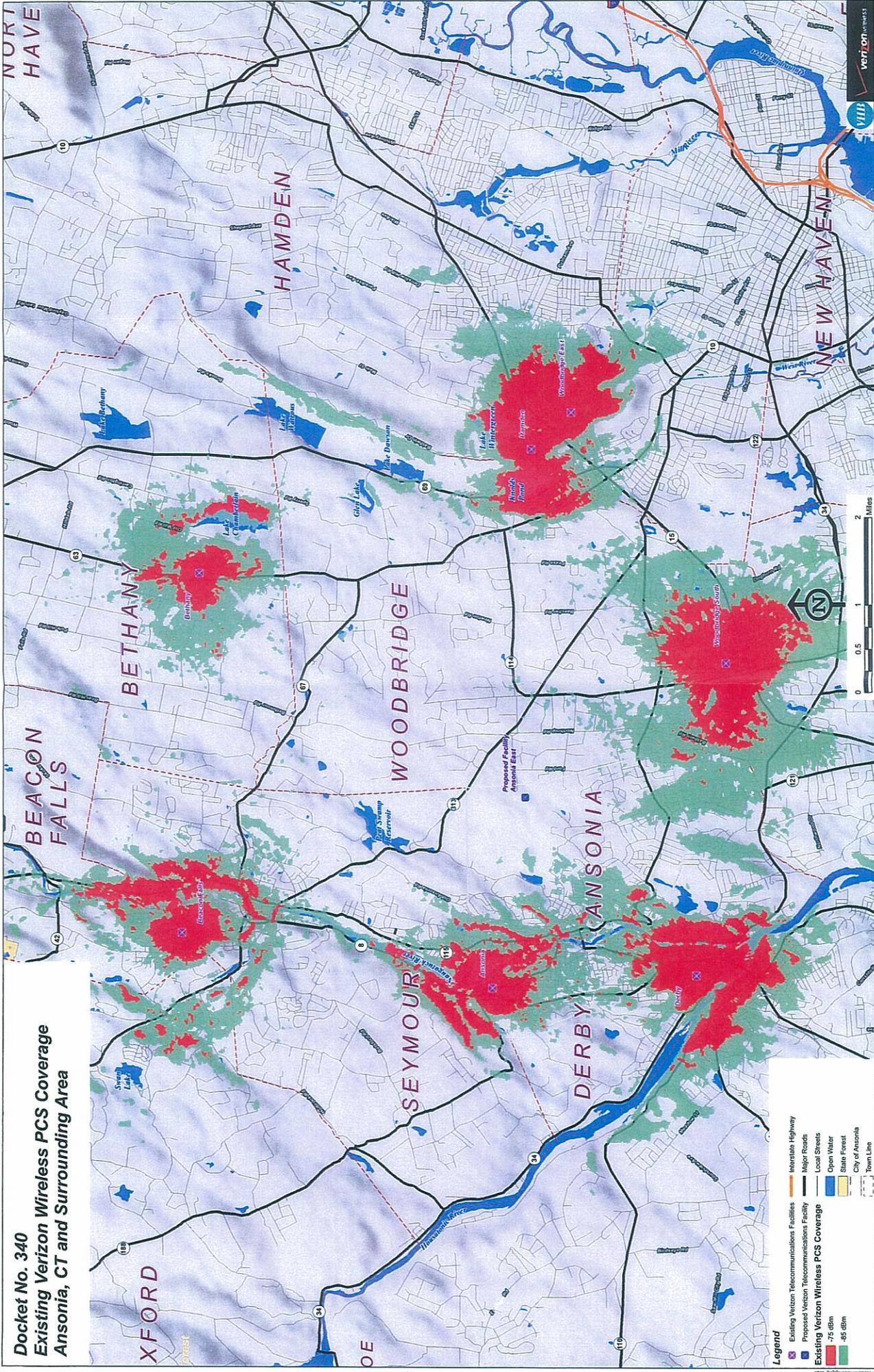
  
\_\_\_\_\_  
Kenneth C. Baldwin

**Docket No. 340**  
**Existing Verizon Wireless Cellular Coverage**  
**Ansonia, CT and Surrounding Area**



- Legend**
- Existing Verizon Telecommunications Facilities
  - Proposed Verizon Telecommunications Facility
  - Existing Verizon Wireless Cellular Coverage
  - 75 dBm
  - 85 dBm
  - Interstate Highway
  - Major Roads
  - Local Streets
  - Open Water
  - State Forest
  - City of Ansonia
  - Town Line

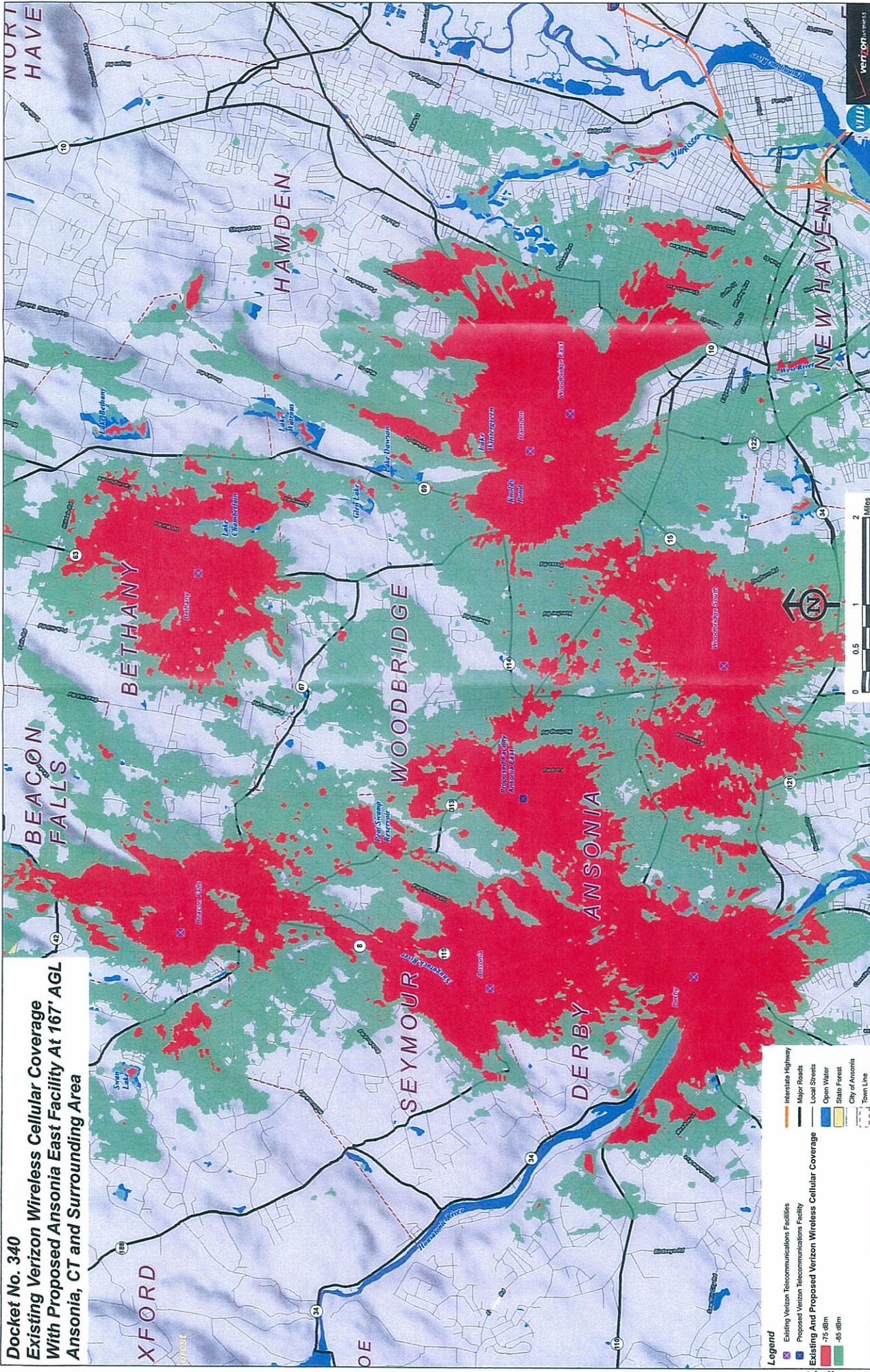
**Docket No. 340**  
**Existing Verizon Wireless PCS Coverage**  
**Ansonia, CT and Surrounding Area**



**Legend**

- Existing Verizon Telecommunications Facility
- Proposed Verizon Telecommunications Facility
- Existing Verizon Wireless PCS Coverage
- Proposed Verizon Wireless PCS Coverage
- Interstate Highway
- Major Roads
- Local Streets
- Open Water
- State Forest
- City of Ansonia
- Town Line

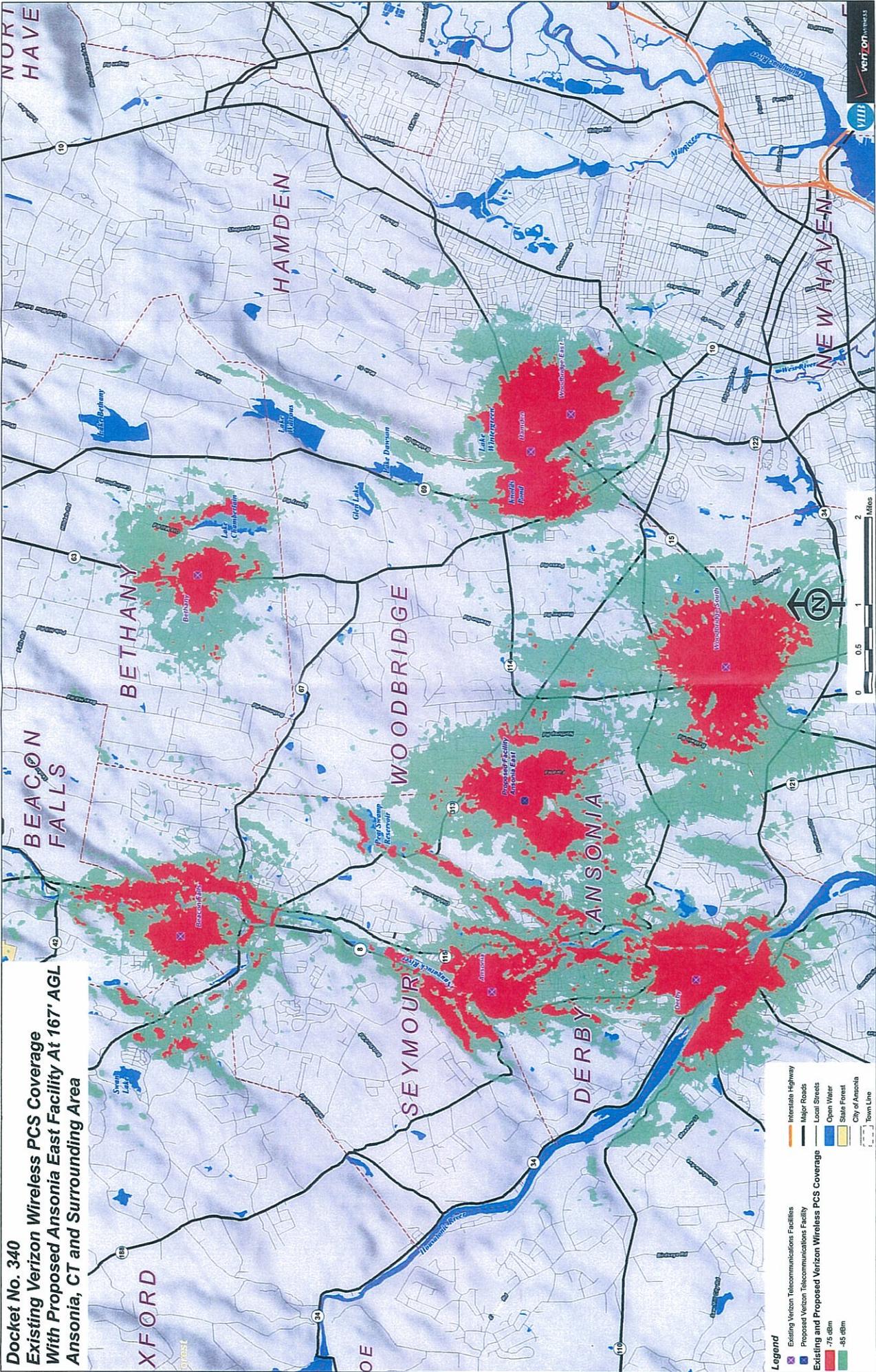
**Docket No. 340**  
**Existing Verizon Wireless Cellular Coverage**  
**With Proposed Ansonia East Facility At 167' AGL**  
**Ansonia, CT and Surrounding Area**



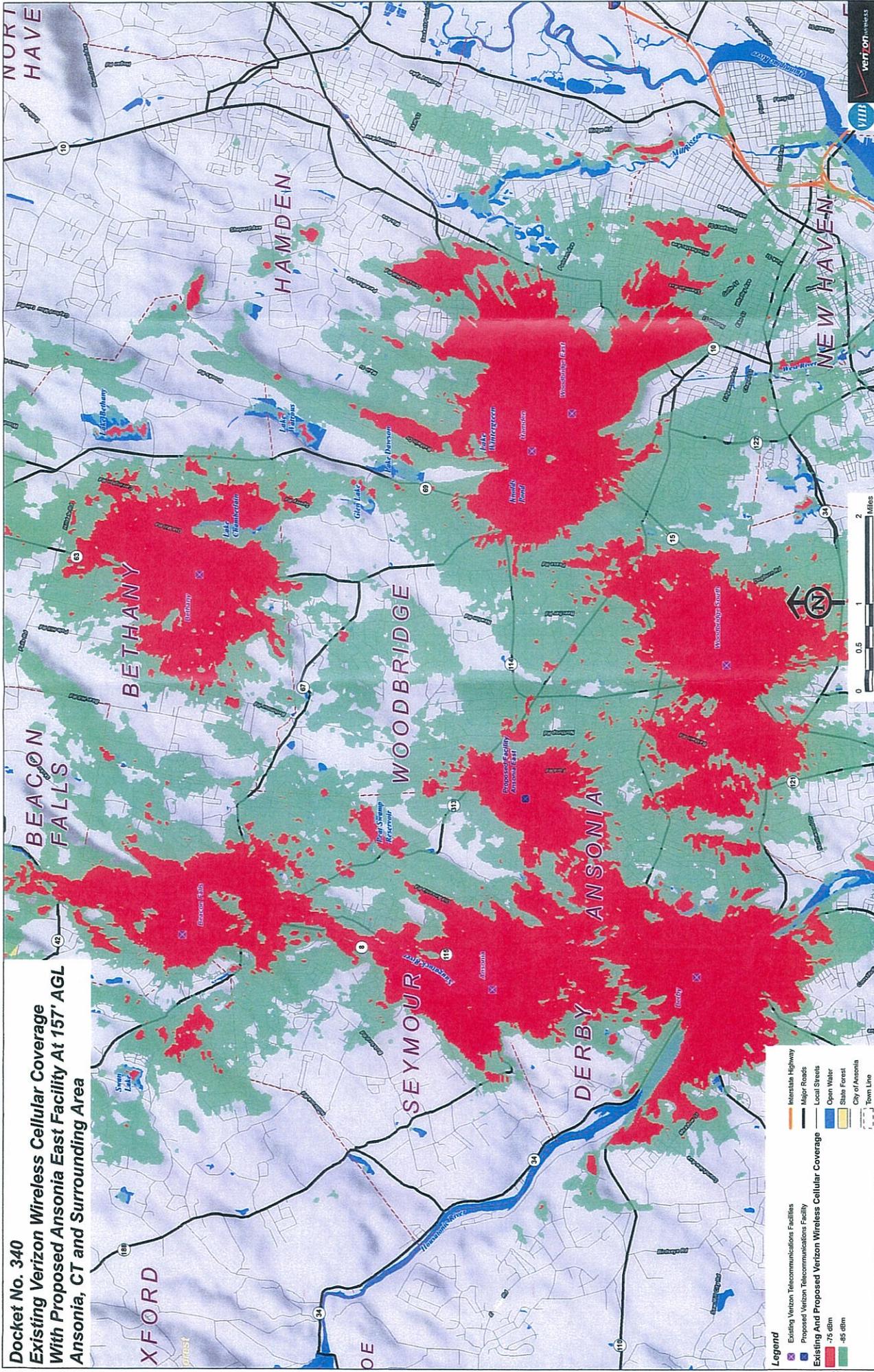
**Legend**

- Existing Verizon Telecommunications Facilities
- Proposed Verizon Telecommunications Facility
- Existing And Proposed Verizon Wireless Cellular Coverage
- 75 dBm
- 85 dBm
- Interstate Highway
- Major Roads
- Local Streets
- Open Water
- State Forest
- City of Ansonia
- Town Line

**Docket No. 340**  
**Existing Verizon Wireless PCS Coverage**  
**With Proposed Ansonia East Facility At 167' AGL**  
**Ansonia, CT and Surrounding Area**



**Docket No. 340**  
**Existing Verizon Wireless Cellular Coverage**  
**With Proposed Wireless East Facility At 157' AGL**  
**Ansonia, CT and Surrounding Area**



VERIZON

**Docket No. 340**  
**Existing Verizon Wireless PCS Coverage**  
**With Proposed Ansonia East Facility At 157' AGL**  
**Ansonia, CT and Surrounding Area**

