

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

APPLICATION OF SPRINT NEXTEL :  
CORPORATION FOR A CERTIFICATE OF : DOCKET NO. 331  
ENVIRONMENTAL COMPATIBILITY AND :  
PUBLIC NEED FOR THE CONSTRUCTION, :  
MAINTENANCE AND OPERATION OF A :  
TELECOMMUNICATIONS FACILITY AT 836 :  
FOXON ROAD, EAST HAVEN, :  
CONNECTICUT : JULY 10, 2007

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

On June 15, 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’s 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

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, 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

Alpha Sector – 77 Ft.

Beta Sector – 77 Ft.

Gamma Sector – 77 Ft.

CSA Type: V9015A-V90182

CSA Type: V9015A-V90182

CSA Type: V9015A-V90182

Cellular and PCS

Cellular and PCS

Cellular and PCS

No. Channels: 14

No. Channels: 14

No. Channels: 14

ERP/Channel: 200 W Max

ERP/Channel: 200 W Max

ERP/Channel: 200 W Max

Question No. 3

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

Response

Negative 85 dBm.

Question No. 4

What is Cellco's existing signal strength in the area that would be covered by its antennas on the proposed tower?

Response

Cellco's signal strength in the area surrounding the proposed East Haven facility ranges from -86 dBm to -105 dBm.

Question No. 5

Define the area Cellco would be seeking to cover by locating antennas on this proposed tower.

Response

Cellco seeks to provide coverage along Route 80, as well as local roads in the northerly portion of East Haven.

Question No. 6

Does Cellco have a coverage gap on Route 80? If so, what is the size of this gap?

Response

Yes. Currently Cellco experiences an approximately 2.8 mile coverage gap at PCS frequencies and an approximately 2.3 mile coverage gap at cellular frequencies along Route 80 in the northerly portion of East Haven.

Question No. 7

What would be the distance on Route 80 that Cellco's antennas would cover?

Response

The proposed East Haven cell site would cover an approximately 1.7 mile portion of Route 80 at PCS frequencies and an approximately 2.3 mile portion of Route 80 at cellular frequencies.

Question No. 8

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

Response

The proposed East Haven cell site would provide coverage to an overall area of approximately 3.5 square miles at PCS frequencies and approximately 6.2 square miles at cellular frequencies.

Question No. 9

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 East Haven facility would hand-off calls to three adjacent cell sites:

1. Cellco's "New Haven North" cell site is located approximately 2.2 miles to the east. Cellco antennas at this location are mounted at the 68 foot level on an existing smoke stack at 315 Peck Street New Haven, Connecticut.
2. Cellco's "East Haven" cell site is located approximately 2.9 miles to the south. Cellco antennas at this location are mounted at the 100 level on the roof of the building at 65 Messina Drive, East Haven, Connecticut.
3. Cellco's "Branford 2" cell site is located approximately two miles to the east. Cellco antennas are mounted at the 130 foot level on the existing monopole tower at 405 Brushy Hill Road, Branford, Connecticut.

Question No. 10

Provide propagation maps showing Cellco's existing coverage and Cellco's proposed coverage.

Response

The coverage plots requested are attached.

Question No. 11

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

Response

Cellco intends to install 3 dual band/dual pole antennas at the 77 foot level on the tower. The antennas would be mounted inside the flagpole tower.

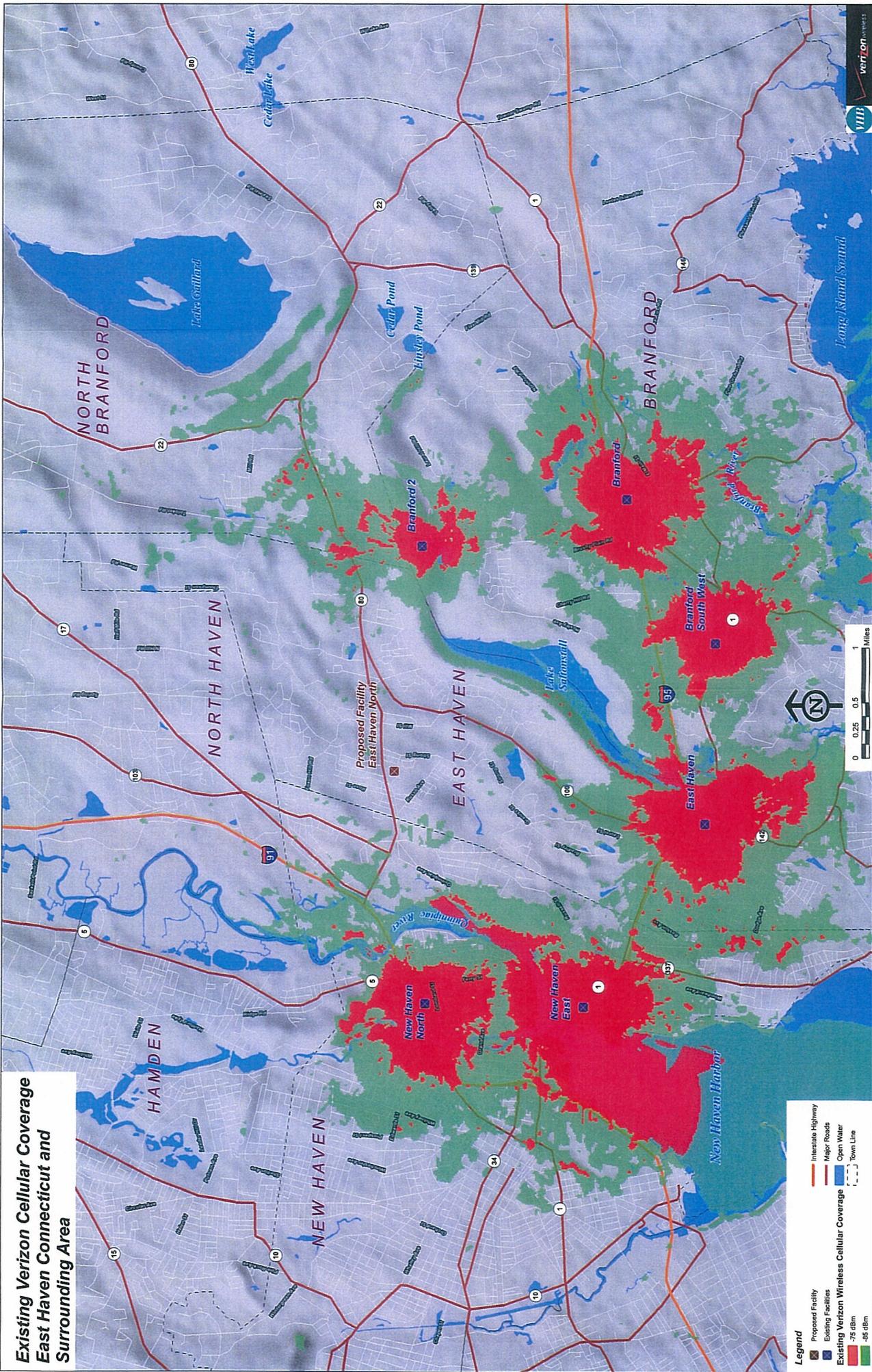
CERTIFICATE OF SERVICE

I hereby certify that on the 10<sup>th</sup> day of July 2007, a copy of the foregoing was sent,  
postage prepaid, to:

Thomas J. Regan, Esq.  
Brown Rudnick LLP  
CityPlace I  
185 Asylum Street, 38th Floor  
Hartford, CT 06103-3402

Carrie L. Larson  
Cohen and Wolf, P.C.  
1115 Broad Street  
P.O. Box 1821  
Bridgeport, CT 06604-4247

  
Kenneth C. Baldwin

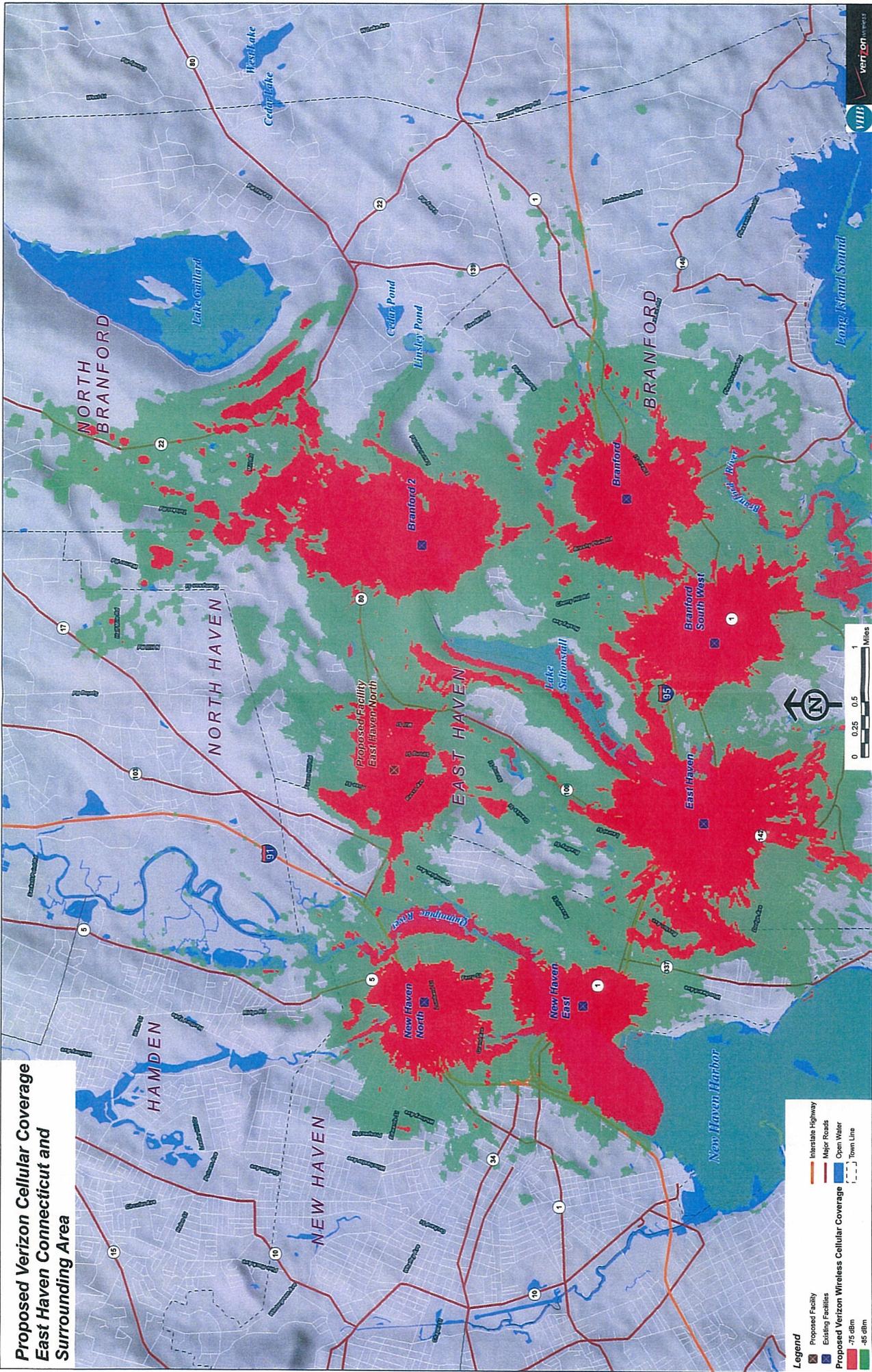


**Existing Verizon Cellular Coverage  
East Haven Connecticut and  
Surrounding Area**

**Legend**

- Proposed Facility
- Existing Facilities
- Existing Verizon Wireless Cellular Coverage
- 75 dBm
- 85 dBm
- Interstate Highway
- Major Roads
- Open Water
- Down Line

**Proposed Verizon Cellular Coverage  
East Haven Connecticut and  
Surrounding Area**

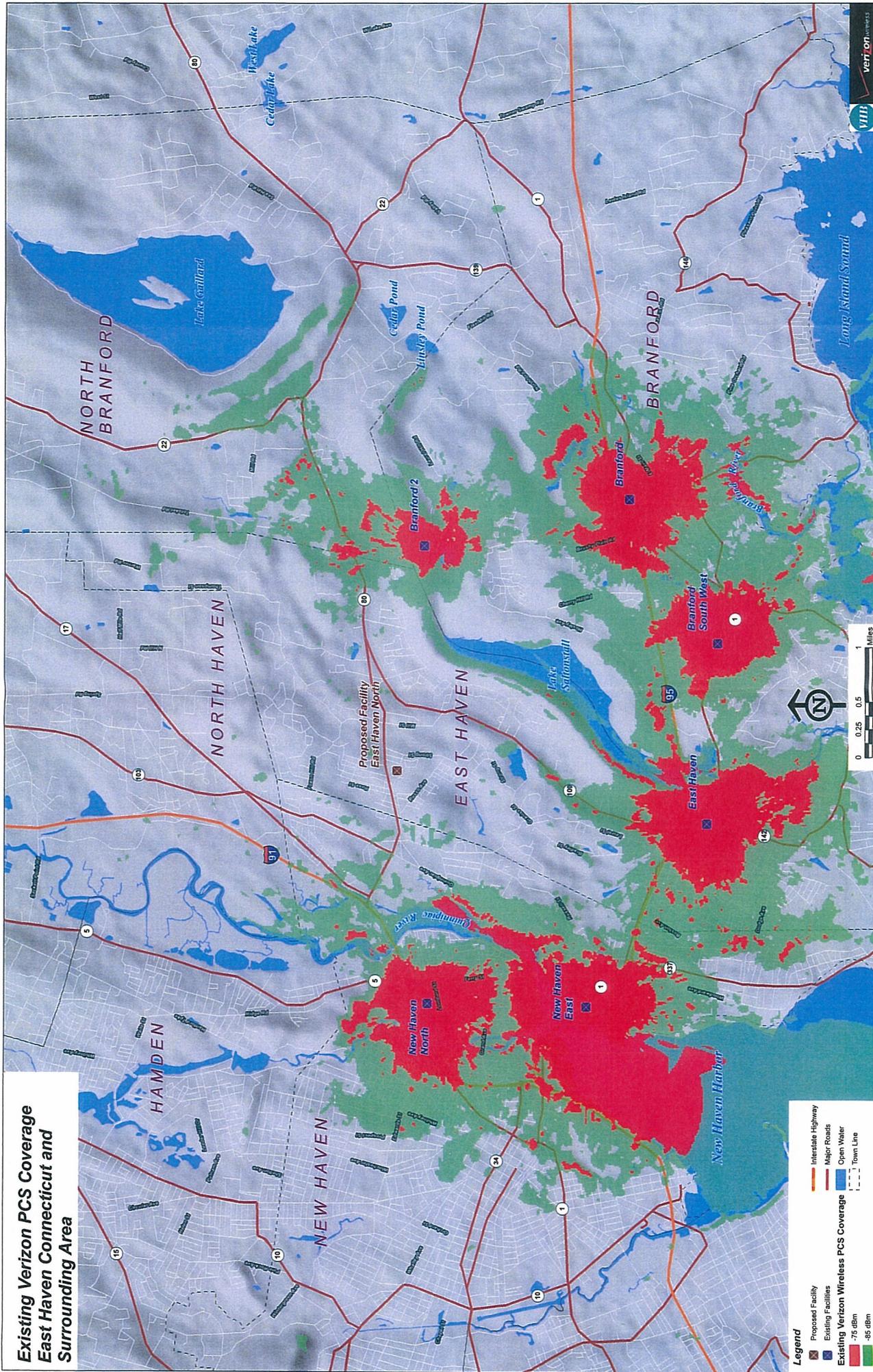


**Legend**

- Proposed Facility
- Existing Facilities
- Proposed Verizon Wireless Cellular Coverage
  - 75 dBm
  - 45 dBm
- Interstate Highway
- Major Roads
- Open Water
- Town Line



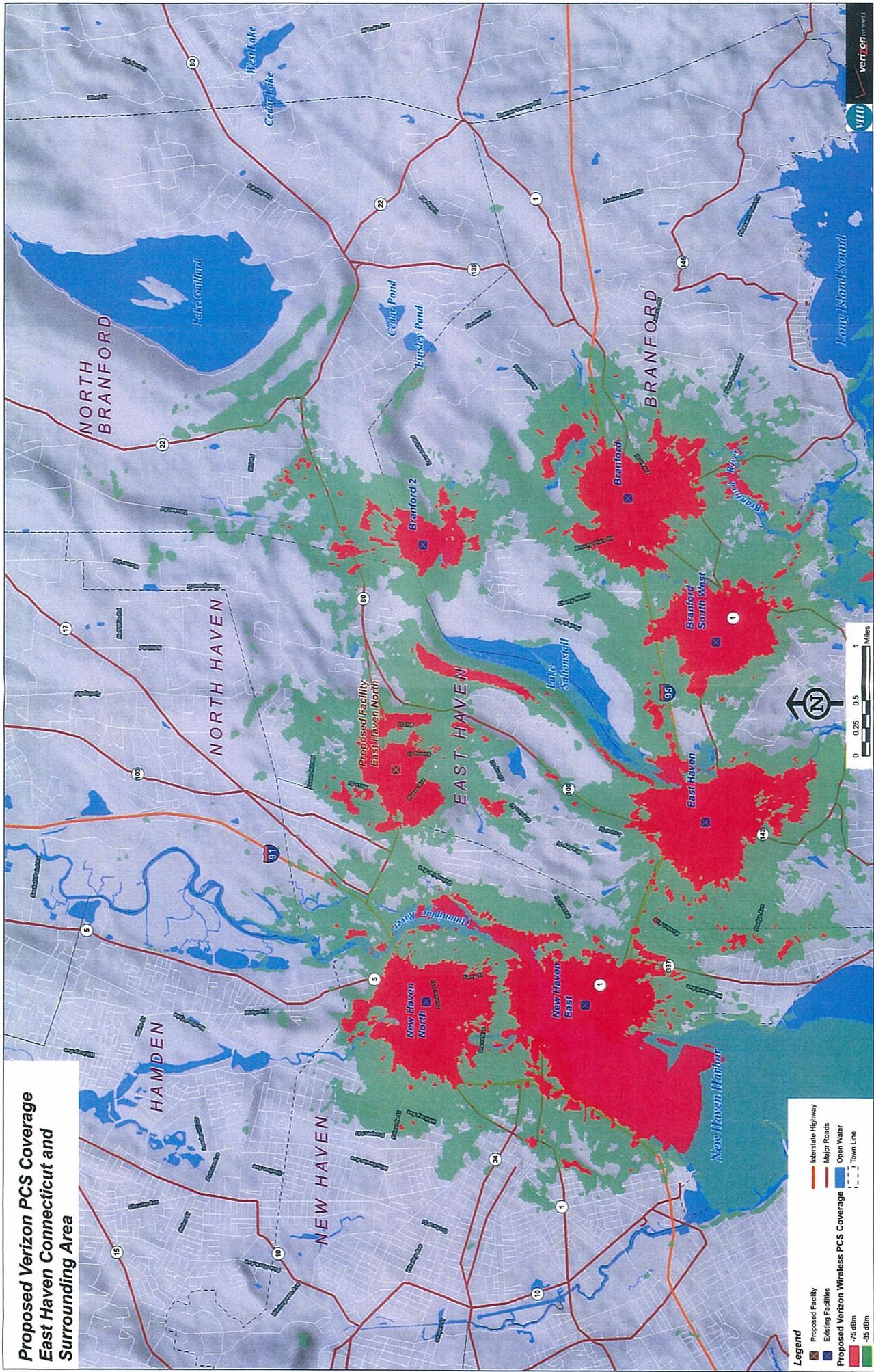
**Existing Verizon PCS Coverage  
East Haven Connecticut and  
Surrounding Area**



**Legend**

- Proposed Facility
- Existing Facilities
- Existing Verizon Wireless PCS Coverage
- 76 dBm
- 85 dBm
- Interstate Highway
- Major Roads
- Open Water
- Town Line

**Proposed Verizon PCS Coverage  
East Haven Connecticut and  
Surrounding Area**



**Legend**

- Proposed Facility (X)
- Existing Facilities (•)
- Proposed Verizon Wireless PCS Coverage
  - 75 dBm (Green)
  - 45 dBm (Red)
- Interstate Highway (Thick red line)
- Major Roads (Thin red line)
- Open Water (Blue)
- Town Line (Dashed line)

