

**STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL**

RE: APPLICATION OF OPTASITE, INC. AND  
OMNIPOINT COMMUNICATIONS, INC., A  
SUBSIDIARY OF T-MOBILE USA, INC. FOR  
A CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED FOR  
THE CONSTRUCTION, MAINTENANCE AND  
OPERATION OF A TELECOMMUNICATIONS  
FACILITY AT 12 ORCHARD DRIVE IN THE  
TOWN OF LEDYARD, CONNECTICUT

DOCKET NO. 322

Date: November 8, 2006

**INTERROGATORY RESPONSES TO CONNECTICUT SITING COUNCIL FROM  
CO-APPLICANTS OPTASITE, INC. AND OMNIPOINT COMMUNICATIONS, INC.**

Co-applicants Optasite, Inc. ("Optasite") and Omnipoint Communications, Inc. ("T-Mobile") submit the following responses to the interrogatories from the Connecticut Siting Council in connection with the above captioned Docket.

**Q1. When was the abutter list compiled? Has T-Mobile received all abutter certified mail return receipts? If not, provide a list of abutters who did not respond and any additional steps taken to ensure proper notice.**

A1. The abutters list was updated and finalized on September 19, 2006.

See table attached hereto as Exhibit 1. Overall, 40 abutters were identified. The co-applicants sent out a certified mailing to all 40 abutters on September 19, 2006. Of those 40 letters sent, the co-applicants did not receive return receipts from 6 abutters. Therefore, a second certified mailing was sent to those 6 abutters on October 2, 2006. Of those 6 letters re-sent, the co-applicants did not receive return receipts from 5 abutters. Optasite will send out a third (and final) mailing on or before November 8, 2006 to the 5 abutters for which it has not received return receipts.

**Q2. Were any other raw land sites considered? If so, please describe.**

A2. T-Mobile inquired of St. David's Church (Site Search Key, location #4) about the church's willingness to entertain a proposal for a new tower. As indicated in the Site Search Key, the church was unwilling to consider lease of space for a new tower.

**Q3. How many residences are within 1,000 feet of each site?**

A3. Based on a review of the 2004 aerial photographs used to develop the viewshed model (Exhibit L of the Certificate Application), there appears to be 4 residences located within 1,000 feet of each proposed candidate site location.

**Q4. Provide multi-signal level propagation plots, at a scale of 1:63,360, depicting coverage from existing/approved sites and each of the proposed sites at an antenna height of 127 feet.**

A4. See propagation plots attached hereto as Exhibit 2.

**Q5. Provide the locations (by street) of the estimated 12 residences that would have year-round views of the site. What is the distance from the towers to these residences?**

A5. VHB estimates that 12 residences within the two-mile radius study area will be able to achieve at least partial year-round views of either proposed candidate site location. These include 3 residences along Route 12 that are located approximately 0.60 mile northwest of the candidate sites (near photograph 1 in visual evaluation report); 1 residence along Pequot Street that is located roughly 0.50 mile to the northwest of the candidate sites (near photograph 2 in visual evaluation report); 2 residences along Point Road that are located approximately 0.50 mile to the northwest of the candidate sites (near photograph 2 in visual evaluation report); Parker Street where there are 3 residences located approximately 0.50 mile to the northwest of the candidate site locations that are expected to have year-round views (near photograph 3 in visual evaluation report); and 3 residences along Cove Road that are located roughly 0.50 mile to the northwest of the candidate site locations (near photograph 4 in visual evaluation report). This does not include the single family residence located on the host property that would also have views of either candidate site location. See Visual Evaluation Report, Exhibit L to Certificate.

**Q6. Has T-Mobile reviewed the State of Connecticut Natural Diversity Database to determine if state listed species may inhabit the subject property? If not, please review and provide results.**

A6. VHB reviewed the State of Connecticut Natural Diversity Data Base on behalf of Optasite. That review indicates that there are no State Endangered or Threatened Species or Species of Special Concern at or near the proposed sites. The results of the screen and a letter to DEP requesting concurrence are attached hereto as Exhibit 3. DEP's response will be forwarded when available.

**Q7. The coordinate and ground elevation data contained in the FAA airspace analysis (Attachment R) does not match the data provided on the site plans in Attachment A & B. Please submit a corrected airspace analysis.**

A7. Revised airspace analyses incorporating the 2-C coordinates shown on the site plans are attached hereto as Exhibit 4.

Respectfully Submitted,

By:  \_\_\_\_\_

Attorneys for the Applicants  
Julie D. Kohler, Esq.  
jkohler@cohenandwolf.com  
Carrie L. Larson, Esq.  
clarson@cohenandwolf.com  
Cohen and Wolf, P.C.  
1115 Broad Street  
Bridgeport, CT 06604  
Tel. (203) 368-0211  
Fax (203) 394-9901

**Certification**

This is to certify that a copy of the foregoing has been mailed, this date to all parties and intervenors of record.

 \_\_\_\_\_  
Carrie L. Larson

# EXHIBIT 1

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**ABUTTERS CERTIFIED MAILING**

<b>ABUTTER</b>	<b>DATE SENT</b>	<b>RECEIPT</b>	<b>SECOND DATE SENT</b>	<b>RECEIPT</b>
<b>Savings Institute Bank &amp; Trust</b> 16 Tuckers Run Gales Ferry, CT 06339	9/19/06	None	10/2/06	None
<b>Townsend, Kristen and Scott</b> 15 Tuckers Run Gales Ferry, CT 06339	9/19/06	None	10/2/06	None
<b>Town of Ledyard</b> 741 Colonel Ledyard Hwy. Ledyard, CT 06339	9/19/06	Yes	N/A	N/A
15A Tuckers Run Ledyard, CT 06339	9/19/06			
<b>Tuckers Run, LLC</b> 13 Tuckers Run Gales Ferry, CT 06339	9/19/06	None	10/2/06	None
<b>Berthod, June and Greg</b> 20 Naomi Drive Gales Ferry, CT 06339	9/19/06	Yes	N/A	N/A
<b>Holdridge, Joshua and Crystal</b> 19 Naomi Drive, Gales Ferry, CT 06339	9/19/06	Yes	N/A	N/A
<b>Hedtke, Frederick and Sue</b> 8 Rosemarie Court Gales Ferry, CT 06339	9/19/06	Yes	N/A	N/A
<b>Johnson, Emile T. and Linda S.</b> 7 Rosemarie Court Gales Ferry, CT 06339	9/19/06	Yes	N/A	N/A
<b>Bittersweet Land Development</b> 238 Old Colchester Road Quaker Hill, CT 06375	9/19/06	Yes	N/A	N/A
85 Avery Hill Road Ledyard, CT 06339	9/19/06			

<b>Town of Ledyard</b> 741 Colonel Ledyard Hwy. Ledyard, CT 06339	9/19/06	Yes	N/A	N/A
40 Bittersweet Drive Ledyard, CT 06339 (Gales Ferry 06335)	9/19/06			
<b>Hurley, Robert P. and Mary E.</b> 8 Cornell Court Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A
<b>Turk, Joseph and Julie</b> 6 Cornell Court Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A
<b>Jenkins, John E. and Tina M.</b> 10 Cornell Court Gales Ferry CT 06335	9/19/06	Yes	N/A	N/A
<b>Rainone, Henry M.</b> 7 Cornell Court Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A
<b>Linn, Theodore and Nancy</b> 24A Bittersweet Drive Gales Ferry, 06335	9/19/06	Yes	N/A	N/A
<b>Bossardet, Donald and Kowalski, Karen L.</b> 1978 Route 12 Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A
<b>Holmberg, Richard M.</b> 1980 Route 12 Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A
<b>Holmberg, Richard M. and Diane Y.</b> 4 Orchard Drive Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A
<b>Holmberg, Richard A. and Diane Y.</b> 8 Orchard Drive Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A
<b>Holmberg, Richard A. and Diane Y.</b> 9 Orchard Drive Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A

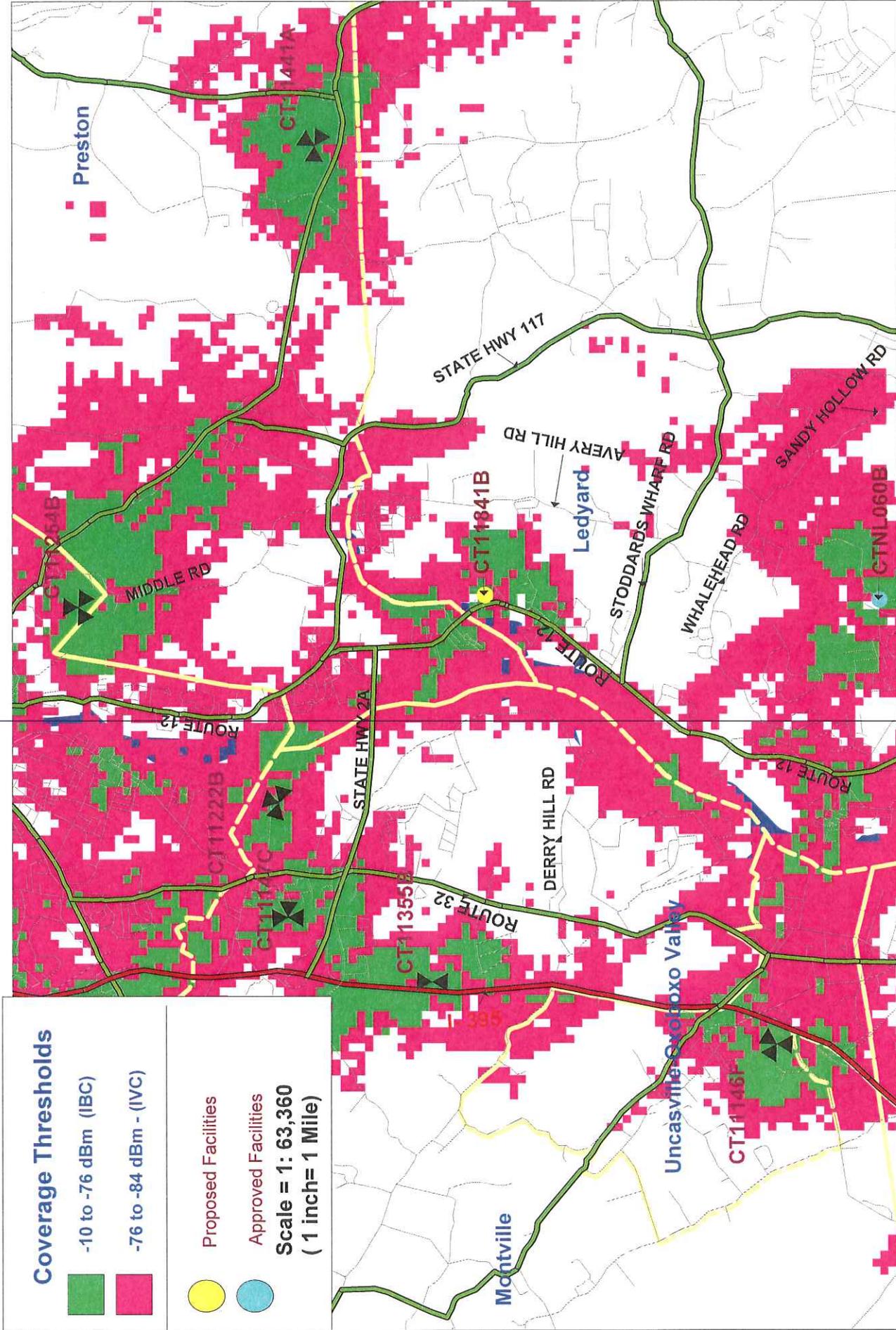
<b>Lotring Nancy E. &amp; Alfred H.</b> 15 Orchard Drive Gales Ferry, CT 06335	9/19/06	None	10/2/06	None
<b>Schmrduan, Victoria &amp; Proulx, Elizabeth A.</b> 2000 Route 12 Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A
<b>Holmberg, Arthur and Jane E.</b> 2002 Route 12 Gales Ferry, CT 06335	9/19/06	Yes	N/A	N/A
<b>Nature Conservatory CT, Inc.</b> 55 High Street Middletown, CT 06457	9/19/06	Yes	N/A	N/A
<b>Connecticut State Department of Public Works</b> 14 Route 12 Preston, CT 06365  Mailing: c/o Commissioner James Fleming Connecticut State Department of Public Works 165 Capitol Avenue, Suite 6, Hartford, CT 06106  <b>Also Mail to:</b> c/o First Selectman Town of Preston 389 Route 2 Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Peringer, Robert P. and Mildred</b> 16 Stuart Drive Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Pearce, Harriet T. and Dumais, Arlene</b> 15 Cove Road Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Cardoza, Manuel and Jeanette M.</b> 17 Cove Road Preston, CT 06365	9/19/06	Yes	N/A	N/A

<b>Stuart, John N.</b> 113 Route 12 Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Pine Plains Greenhouse, Inc.</b> 117 Route 12 Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Kozoil, Albert</b> 129 Route 12 Preston, CT 06365	9/19/16	None	10/2/06	None
<b>Starke, Alan and Arlene</b> 71 Route 12 Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Sablowski, Joseph</b> 13 Cove Road Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Dumais, Arlene M. and Joseph and Pearce, Harriet</b> 14 Cove Road Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Dumais, Arlene M. and Joseph; Pearce, Harriet</b> 14 Cove Road, Preston CT 06365	9/19/06	Yes	N/A	N/A
12 Cove Road Preston, CT 06365	9/19/06			
<b>Allin, Cynthia S. and Robert V.</b> 10 Cove Road Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Sevieri, Patricia A.</b> 153A Route 12 Rear Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Watrous, Kenneth H.</b> 155 Route 12 Preston, CT 06365	9/19/06	Yes	N/A	N/A
<b>Schulz, Teresa A. and Theodore D.</b> 159 Route 12 Preston, CT 06365	9/19/06	Yes	N/A	N/A

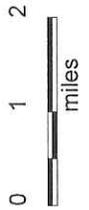
<b>State of Connecticut DEP</b> c/o Commissioner Gina McCarthy Connecticut State Department of Environmental Protection 79 Elm Street Hartford, CT 06106	9/19/06	Yes	N/A	N/A
2100 Route 2A Preston, CT 06365	9/19/06			

# **EXHIBIT 2**

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**Coverage From Existing And Approved T-Mobile Facilities With CT11841B @ 127'**

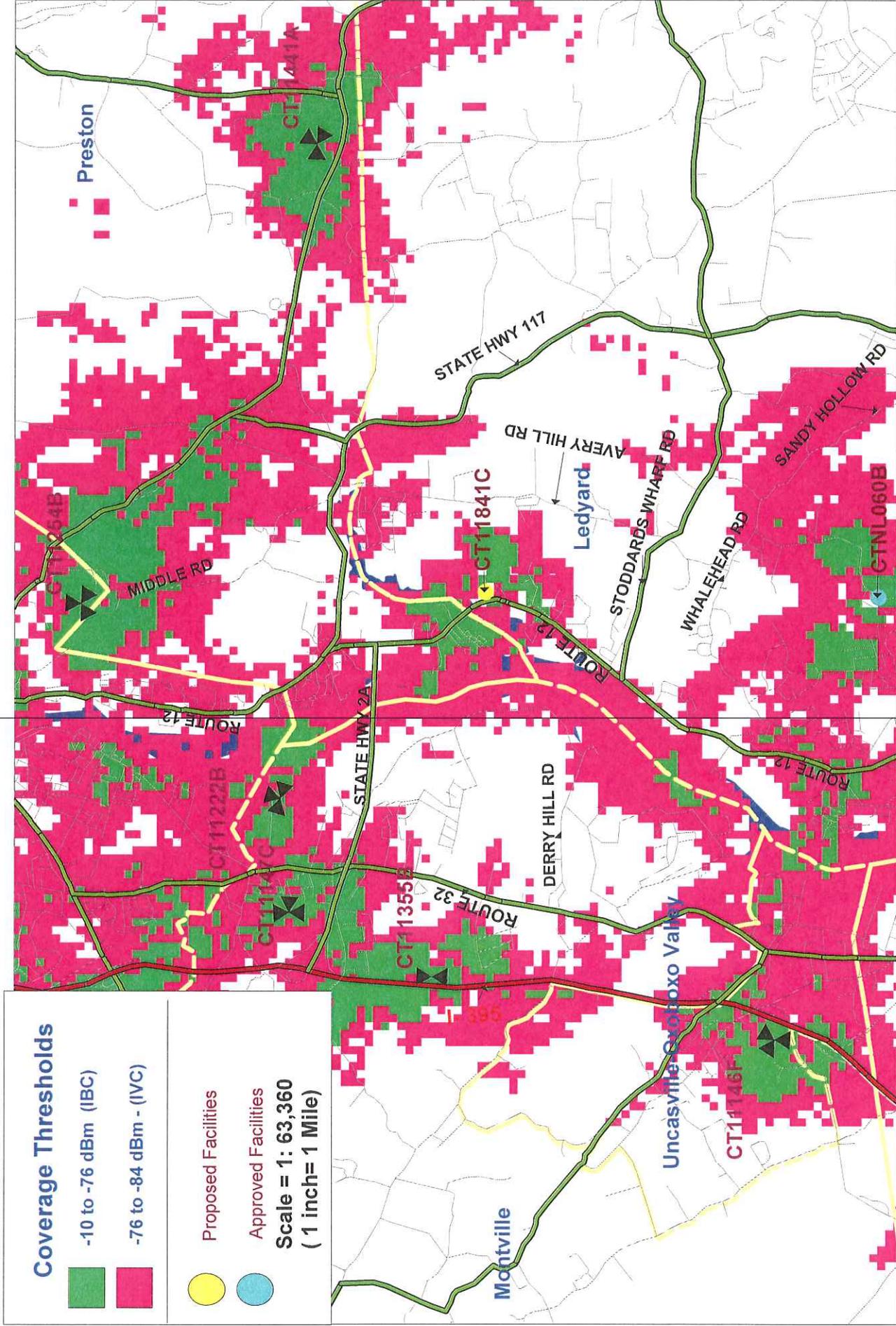


**Coverage Thresholds**

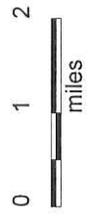
- 10 to -76 dBm (IBC)
- 76 to -84 dBm - (IVC)

- Proposed Facilities
- Approved Facilities

**Scale = 1: 63,360  
( 1 inch= 1 Mile)**

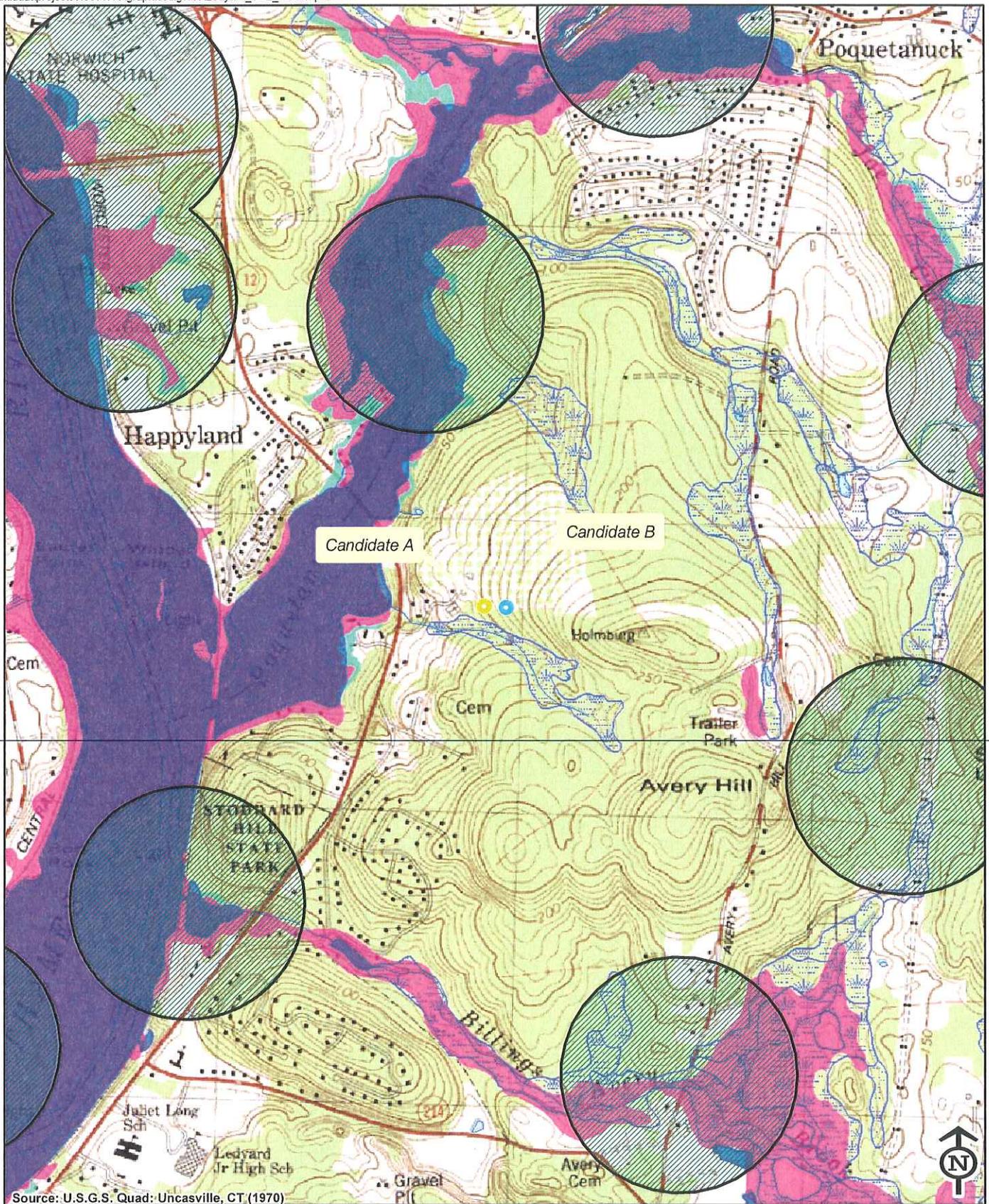


**Coverage From Existing And Approved T-Mobile Facilities With CT11841C @ 127'**



# **EXHIBIT 3**

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Source: U.S.G.S. Quad: Uncasville, CT (1970)

**Legend**

- CT11841A Site
- CT11841B Site
- NDDB Threatened and Endangered Species (buffered; June 2006)
- Open Water
- Wetlands
- Floodplains**
- 100 Year Floodplain
- 500 Year Floodplain
- Floodway



**Vanasse Hangen Brustlin, Inc.**

**Threatened & Endangered Species Screen  
Proposed Optasite Telecommunication Facility  
CT-11-841A & B - Holmberg Orchard  
12 Orchard Drive  
Ledyard, Connecticut**

November 2, 2006





November 2, 2006

Vanasse Hangen Brustlin, Inc.

Ref No. 40862.15

Ms. Dawn McKay, Biologist/Environmental Analyst  
Connecticut Department of Environmental Protection  
Natural Resources Center  
Environmental and Geographic Information Center  
Natural Diversity Data Base  
79 Elm Street - - Store Level  
Hartford, CT 06106-5127

Re: Natural Diversity Data Base/Concurrence  
Proposed Optasite Wireless Telecommunications Facility  
Two Candidate Site Locations  
CT-11-841A & B - Holmberg Orchard  
12 Orchard Drive  
Ledyard, CT

Dear Ms. McKay:

Vanasse Hangen Brustlin, Inc. (VHB) has been retained by Optasite, Inc. (Optasite) to review environmental resource information, including threatened or endangered species or designated critical habitats, outlined in 47 CFR Ch.1 § 1.1307 sections (a) and (b) for environmental consequences pursuant to the Federal Communications Commission ("FCC or Commission") requirements. As a licensing agency, the FCC complies with NEPA by requiring its licensees to review their proposed actions for environmental consequences. Rules implementing NEPA are found at Title 47 of the Code of Federal Regulations, Part 1, Subpart I, rule sections 1.1301 to 1.1319.

VHB understands that Optasite and T-Mobile seek approval from the Connecticut Siting Council (CSC) for a Certificate of Environmental Compatibility and Public Need to construct a telecommunications Facility to be located within the Town of Ledyard, Connecticut. As part of the CSC permit application process, T-Mobile has selected two potential candidate Sites (CT-11-841A & B) located on the Holmberg Orchard property at 12 Orchard Drive in Ledyard, Connecticut (identified herein as the "host property"). Development of the proposed Facility would include the installation of a 150-foot tall monopole at either location. See attached Threatened and Endangered Species Screen map and Site Plans for Candidate A & B Site locations. Future carrier transmission/reception antennae will be attached to the monopole and associated ground equipment will be located within a fenced enclosure at the base of the monopole. Access to the proposed Facility at either Site location will follow an existing asphalt-paved/gravel access drive located off of Orchard Drive on the host property.

The host property consists of approximately 144 acres of land and is occupied by active agricultural fields, several greenhouses and storage buildings and a single family residence. The host property also includes a number of heavily wooded, undeveloped areas. Both Candidate A and Candidate B are located on the eastern portion of the host property adjacent to an existing peach orchard. Land use within the general vicinity of the host property is comprised of undeveloped forested land, medium-density residential parcels and roadside commercial uses located along Route 12 to the north and south.

Ms. Dawn McKay  
CTDEP  
Page 2

VHB has reviewed the Natural Diversity Data Base (NDDB; please see our attached Threatened and Endangered Species Screen map). Based on your criteria, we have determined that the proposed project does **not** present a potential conflict with *a listed species or significant natural community*. We have also provided additional information to assist you in your review of this project, including two copies of the Threatened and Endangered Species Screen map and a copy of the Site Plans.

We respectfully request your written concurrence with our findings to support our application with the Connecticut Siting Council. At your earliest convenience, please forward correspondence to my attention.

Thank you in advance for your prompt consideration of this request.

Very truly yours,



Nicole Dentamaro  
Environmental Scientist

Enclosures



# **EXHIBIT 4**

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## TOWAIR Determination Results

### \*\*\* NOTICE \*\*\*

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R Section 17.7 and 14 C.F.R Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

#### DETERMINATION Results

**Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.**

#### Your Specifications

##### NAD83 Coordinates

Latitude	41-28-06.0 north
Longitude	072-03-19.3 west

##### Measurements (Meters)

Overall Structure Height (AGL)	45.7
Support Structure Height (AGL)	45.7
Site Elevation (AMSL)	47.5

##### Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

##### Tower Construction Notification

Notify Tribes and Historic Preservation Officers of your plans to build a tower.  
Note: Notification does NOT replace Section 106 Consultation

[CLOSE WINDOW](#)

## TOWAIR Determination Results

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#### DETERMINATION Results

**Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.**

#### Your Specifications

##### NAD83 Coordinates

Latitude	41-28-05.8 north
Longitude	072-03-16.1 east

##### Measurements (Meters)

Overall Structure Height (AGL)	45.7
Support Structure Height (AGL)	45.7
Site Elevation (AMSL)	57.7

##### Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

##### Tower Construction Notification

Notify Tribes and Historic Preservation Officers of your plans to build a tower.  
Note: Notification does NOT replace Section 106 Consultation.

CLOSE WINDOW