

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

IN RE:

APPLICATION OF OPTASITE TOWERS LLC
AND OMNIPOINT COMMUNICATIONS, INC.
FOR A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR
THE CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
FACILITY AT 95 LAKE STREET
MANCHESTER, CONNECTICUT

DOCKET NO. 351

Date: DECEMBER 18, 2007

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

Co-applicants Optasite Towers LLC ("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.

Questions for Optasite:

Q1. How many of the return receipts for the notices sent to abutting landowners did Optasite receive? If some return receipts were not received, did Optasite make other attempts to notify the landowners? If yes, explain.

A1. Optasite received return receipts from all but five abutting property owners. Optasite sent a second certified mailing on or about December 17, 2007. Optasite will sent a third (and final) mailing to any abutting property owners for whom they do not receive return receipts prior to the public hearing on this docket.

Q2. How did Optasite become aware that this property was available as a potential site?

A2. As the Council is aware, this application was submitted as a replacement to the site proposed in docket 328, a site located at 1027 Middle Turnpike East. As is Optasite's typical practice, Optasite continues its site search process, even after an application is submitted. In this case, Optasite had identified the site located at Lake Street as a potential alternative to the 1027 Middle Turnpike East site. Optasite contacted the property owner and entered into lease negotiations with the owner, leading to the filing of this application and withdrawal of docket 328.

Q3. To what engineering standard would the proposed tower be built?

A3. The tower would be designed to ANSI/TIA-222-G, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures (EIA) in accordance with the International Building Code.

Q4. Who owns the nearest residence to the proposed facility?

A4. Raymond Gagnon & Jill D Lavoie, 39 Eastland Drive, Manchester, CT.

Q5. How much cut and fill would be required to develop the proposed site?

A5. Approximately 681 CY of cutting is required to remove topsoil for installation of the gravel road and compound surface. No fill is required.

Q6. Would any blasting be required to develop this site?

A6. Exposed ledge was not visible in the vicinity of the proposed facility. The presence of ledge will be confirmed upon completion of a geotechnical investigation. If ledge is encountered, chipping is preferred to blasting.

Q7. What type of structure is the tower located at 53 Diane Lane? At Love Lane? At 269 Box Mountain Road? At 296 Box Mountain Road?

A7. The tower located at 53 Diane Lane in Vernon is small lattice tower approximately 45 feet in height. The tower located at Love Lane, Manchester. This is a guyed tower approximately 180 feet in height. As the Council is aware, this tower was discussed in the hearing process for docket 339 (Hilliard Street). During that hearing, Optasite contacted the owner of the Love Lane tower and learned that the tower was structurally incapable of supporting telecommunications equipment. The 269 & 296 Box Mountain Road, Vernon towers are 180' lattice tower and 150' lattice tower respectively.

Questions for T-Mobile:

Q8. What is the distance from the site identified on the submitted propagation maps as CTHA075D to the sites identified as CT11365D, as CT11384D, as CT11180C, and as CTHA076D?

A8. The distances from CTHA075D to the above listed sites are as follows:

- CTHA075D to CT11365D: 1.56 miles
- CTHA075D to CT11384D: 1.91 miles
- CTHA075D to CT11180C: 2.31 miles
- CTHA075D to CTHA076D: 1.1 miles

Q9. What would T-Mobile use for back up power?

A9. -T-Mobile would utilize battery back up power.

Q10. What are T-Mobile's licensed operating frequencies?

A10. -T-Mobile's operating frequencies for the Manchester area (Hartford BTA) are:

Upper 2/3 A Band
TX: 1935.000 MHz to 1945.000 MHz
RX: 1855.000 MHz to 1865.000 MHz

AWS 1
TX: 2140 MHz to 2145 MHz
RX: 1740 MHz to 1745 MHz

AWS 2
TX: 2110 MHz to 2120 MHz
RX: 1710 MHz to 1720 MHz

Q11. What is the design signal strength for T-Mobile's system for in-vehicle coverage? For in-building coverage?

A11. -T-Mobile's minimum design receive signal level threshold is -84 dBm. This level is the lower limit to where T-Mobile can provide in-vehicle coverage to its network users. A more robust signal level is required to provide reliable coverage to subscribers inside building structures. The lower limit for in building design is -76 dBm for average residential and business dwelling environments.

Q12. What is the existing signal strength in the area T-Mobile would serve from this proposed site?

A12. The existing signal strength in the area T-Mobile would serve from the proposed CTHA075D site ranges from -84 dBm down to -105 dBm.

Q13. What would be the total area T-Mobile could cover from the proposed site?

A13. The total area T-Mobile would cover from the proposed CTHA075D site is 2.006 square miles.

Q14. What are the lengths of T-Mobile's coverage gaps on Route 6 and Route 44 in the vicinity of the proposed facility?

A14. -The length of T-Mobile's existing Gap in service along Route 6/44 is approximately: 1.44 Miles. Route 6 and Route 44 are the same road through this section of Manchester.

Q15. From this site, what is the distance T-Mobile could cover on State Route 6? On State Route 44?

A15. -The distance T-Mobile would cover from the proposed CTHA075D site along Route 6 / 44 is 2.04 miles.

Q16. Identify, by address, sites with which T-Mobile's antennas at the proposed site would hand off signals - include type and height of structure and height of T-Mobile's antennas on structure.

A16.

Site	Street Address	Town	Site Type	Antenna Height	structure Height
CT11177B	47 Main Street	Vernon	Water Tank	116 Feet AGL	118
CT11140J	60 Industrial Park Rd.	Vernon	Monopole	173 feet AGL	175
CT11180C	130 Vernon Rd.	Bolton	Self Support Tower	134 Feet AGL	280
CT11384D	5 Glen Road	Manchester	Smokestack	70Feet AGL	70
CT11501E	122 - Rt. 6	Andover	Monopole	137 Feet AGL	150
CT11365D	239 E. Middle Tpk Manchester PD)	Manchester	Monopole	163 Feet AGL	180
CT11187D	494 Main St.	Manchester	Rooftop	57Feet AGL	45
CT11320A	63 Elm Street	Manchester	Smokestack	196 Feet AGL	198
CT11377C	55 Slater Street	Manchester	Monopole	133 FeetAGL	155
CTHA076D	14-16 Carpenter Road	Bolton	Monopole	127 Feet AGL	140

Q17. What is the minimum height at which T-Mobile could achieve its coverage objectives from this site?

A17. -The minimum height at which T-Mobile could achieve its coverage objective from the proposed CTHA075D site is 107' AGL (to antenna centerline).

Q18. Provide a propagation map, at the same scale as the maps provided in the application, showing what T-Mobile's coverage would be at 10 feet below its antennas' proposed height of 107 feet.

A18. See propagation map attached hereto as Exhibit 1.

Respectfully Submitted,

By: _____

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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

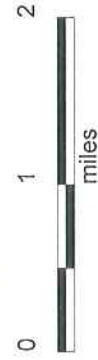
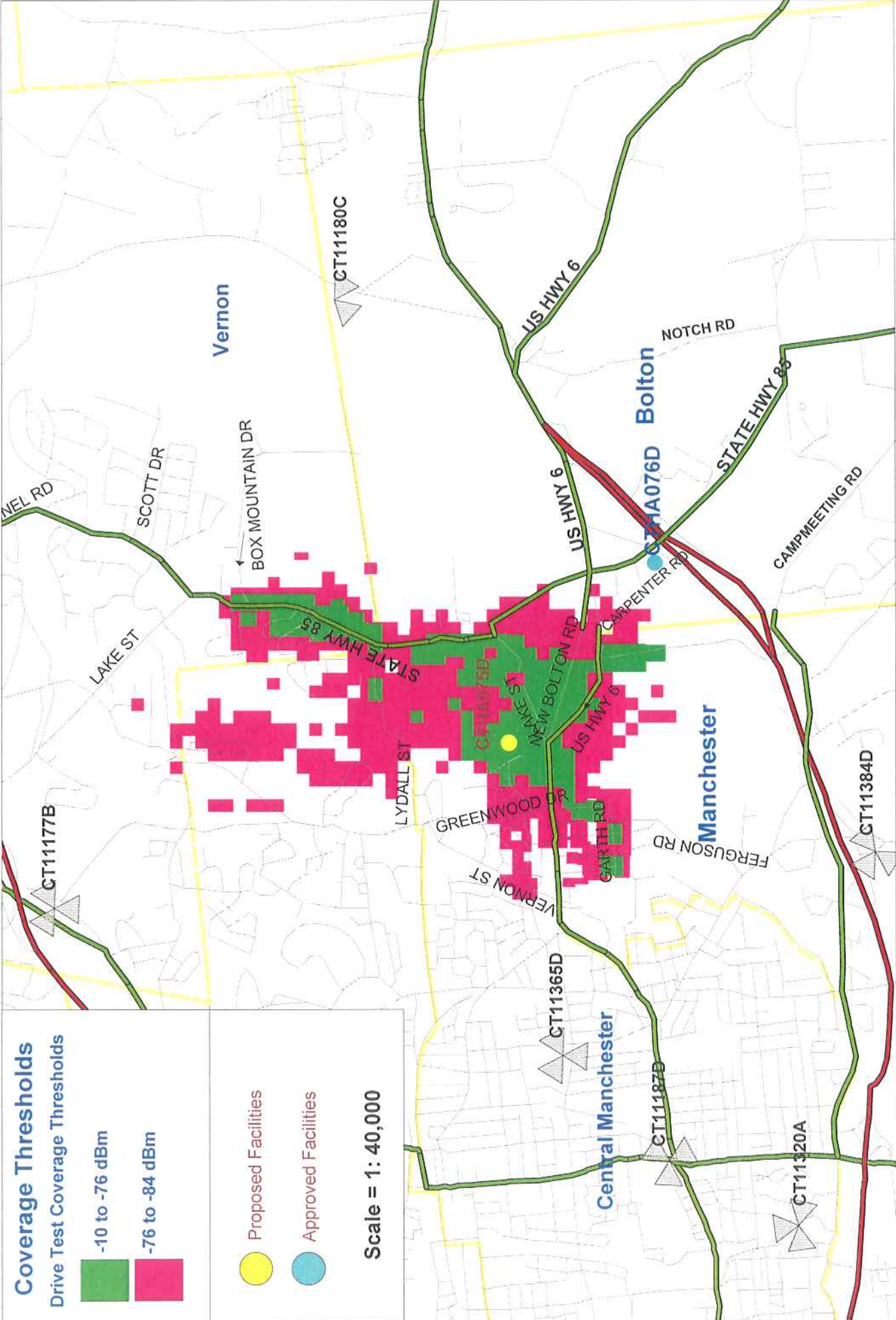
Coverage Thresholds

Drive Test Coverage Thresholds

- 10 to -76 dBm
- 76 to -84 dBm

 Proposed Facilities
 Approved Facilities

Scale = 1 : 40,000





T-Mobile Proposed CTHA075D @ 97°

EXHIBIT 2

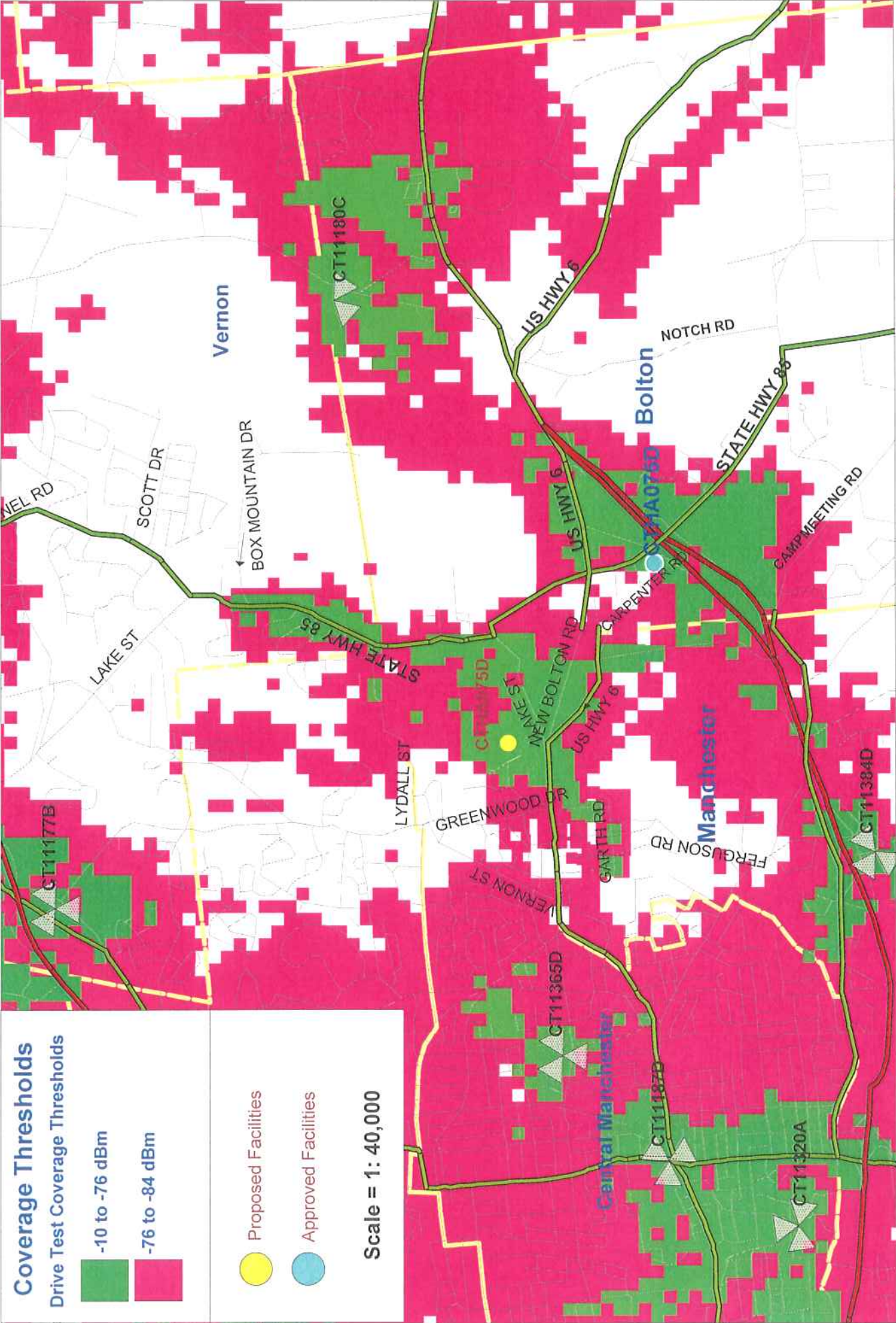
Coverage Thresholds

Drive Test Coverage Thresholds

- 10 to -76 dBm
- 76 to -84 dBm

 Proposed Facilities
 Approved Facilities

Scale = 1: 40,000



Existing T-Mobile On Air Coverage With CTHA075D @ 97