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SEP 19 2012
CONNECTICUT
SITING COUNCIL

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts

September 18, 2012

Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

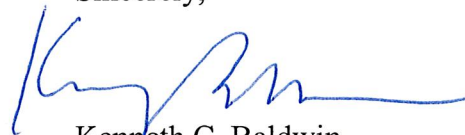
Re: **Notice of Completion of Construction**
TS-VER-034-111214 – 52 Stadley Rough Road, Danbury, Connecticut

Dear Ms. Roberts:

The purpose of this letter is to notify you that construction activity associated with the above-referenced tower share filing has been completed. This Verizon Wireless facility has now been activated.

If you have any questions or need any additional information regarding any of these facilities, please do not hesitate to contact me.

Sincerely,



Kenneth C. Baldwin



Law Offices

BOSTON

PROVIDENCE

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STAMFORD

WHITE PLAINS

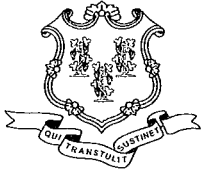
NEW YORK CITY

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Copy to:
Sandy M. Carter



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

August 8, 2012

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103

RE: **TS-VER-034-111214** - Cellco Partnership d/b/a Verizon Wireless tower share at an existing telecommunications facility located 52 Stadley Rough Road, Danbury, Connecticut.

Dear Attorney Baldwin:


The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following condition:

- That Verizon notify the Council when the temporary propane tank is removed and the natural gas-fired backup generator is installed.

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated January 27, 2012. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

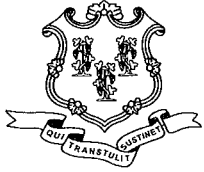
This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,


Linda Roberts
Executive Director

LR/CDM/jbw

c: The Honorable Mark D. Boughton, Mayor, City of Danbury
Dennis Elpern, City Planner, City of Danbury



STATE OF CONNECTICUT
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June 25, 2012

Kenneth C. Baldwin, Esq.
Robinson & Cole, LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: TS-VER-034-111214 – Cellco Partnership d/b/a Verizon Wireless Request to Install a temporary/Portable Fuel Tank at an existing facility located at 52 Stadley Rough Road, Danbury, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) is in receipt of the request from Cellco Partnership d/b/a Verizon Wireless (Cellco) dated June 21, 2012 for approval to install a temporary/portable propane fuel tank at the existing facility located at 52 Stadley Rough Road, Danbury. The certificate holder for this facility is SBA Towers II, LLC (SBA). The facility was the subject of an appeal that resulted in a Stipulated Judgment (Judgment) dated January 6, 2010.

Pursuant to its tower share request filed with the Council on December 14, 2011, Cellco indicated its intent to install a natural-gas fired generator in a 12' X 24' equipment shelter at the facility site rather than a diesel or propane generator. In accordance with Paragraph 3 of the Judgment by the Superior Court relating to this facility, Cellco notified the City of Danbury and the abutting property owners of Cellco's tower share proposal for the facility on July 20, 2011. Pursuant to Paragraph 6 of the Judgment, any co-locating tenant on the facility must use fuel cell technology as backup power. If a fuel cell is not used, the co-locating tenant shall provide written notice to the City and the abutting property owners explaining the reasons why fuel cell technology would be infeasible.

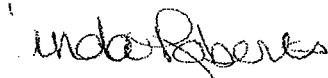
As a result of a meeting with the City Attorney and the abutting property owners, Cellco proposed to install a natural-gas fired generator with an exhaust muffler and "cowling silencers" on both the air in-take and air discharge sides of the generator room, as well as installation of a noise absorbing curtain on the inside of the wooden stockade compound fence. The Council approved Cellco's tower share request on January 6, 2012, which indicates any material changes to the proposed installation as specified in the tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council. A copy of the decision letter is attached for your convenience.

The June 21, 2012 request indicates Cellco's intent to install a temporary 500 gallon propane fuel tank in a *different* equipment shelter than what was approved by the Council on January 6, 2012.

There is no evidence in the request that copies were mailed to SBA, the City and the abutting property owners. Therefore, the Council declines to place this matter on a special meeting agenda for June 26, 2012. Rather, the Council requests that Cellco provide proof of notice to SBA, the City and the abutting property owners of the proposed installation on or before July 2, 2012. Once proof of notice and an opportunity for comment have been provided, the Council will place this matter on the meeting agenda for July 26, 2012.

Thank you for your attention to this matter.

Sincerely,

A handwritten signature in black ink that reads "Linda Roberts". The signature is written in a cursive style with a large initial "L".

Linda Roberts
Executive Director

LR/cm

c: Parties and Intervenors
Robert Marconi, Assistant Attorney General

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ORIGINAL

June 21, 2012

Via Electronic and U.S. Mail

Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RECEIVED
JUN 22 2012
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Re: **TS-VER-034-111214 - Cellco Partnership d/b/a Verizon Wireless Request to Install a Temporary/Portable Propane Fuel Tank at its Existing Telecommunications Facility at 52 Stadley Rough Road, Danbury, Connecticut**

Dear Ms. Roberts:

On January 5, 2012, the Siting Council approved the request of Cellco Partnership d/b/a Verizon Wireless ("Cellco") for an order to share the existing SBA Communications, Inc. ("SBA") telecommunications tower at 52 Stadley Rough Road in Danbury, Connecticut. Cellco is now nearing completion of its site improvements which includes the installation of antennas on the existing tower and the placement of a 12' x 24' shelter near the base of the tower to house Cellco's radio equipment and a natural gas-fired backup generator. Cellco expects to activate this cell site in July, 2012.



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Pursuant to its sublease agreement with Cellco, SBA is responsible for the installation of the natural gas distribution line from Stadley Rough Road to the tower site. SBA recently informed Cellco that due to delays in its negotiations with Yankee Gas Services Company, the gas line providing service to Cellco's generator would not be installed until later this Summer, after Cellco's planned site activation date. Cellco does not, for obvious reasons, want to activate this cell site unless it has access to its backup generator. Nor does it want to delay activation of this site until natural gas service is available. For these reasons, Cellco is proposing, and seeks Council approval for the temporary installation of a 500 gallon propane tank at the Stadley Rough Road facility.

ROBINSON & COLE^{LLP}

Linda Roberts
June 21, 2012
Page 2

As shown on the attached plan, Cellco would propose to install the temporary propane tank near its equipment shelter and inside the fenced compound. The temporary propane fuel tank would be used until such time as the natural gas line is installed and connected to the generator. Cellco anticipates the need to use the propane tank for a period of not longer than 90 days from the date of installation. We will, however, keep the Council updated on the status of the temporary tank in case it needs to remain on-site longer than the 90 days currently anticipated.

Due to Cellco's plans for activation of this cell site in July, and the need to install the temporary fuel tank as quickly as possible, I would ask for special consideration to have this matter addressed by the Council at its June 26, 2012 meeting.

If you have any questions or need any additional information regarding this request please do not hesitate to contact me. Thank you in advance for your assistance and cooperation.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment
Copy to:

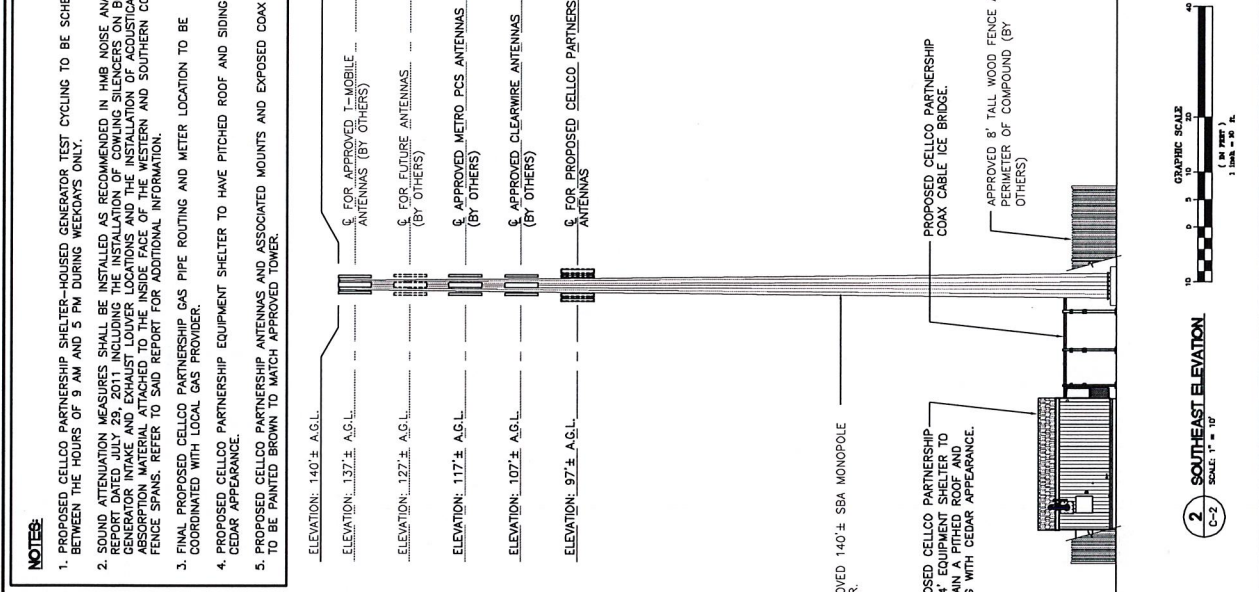
Melanie Bachman, Esq.
Sandy M. Carter
Jeff York



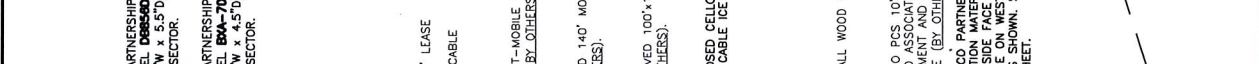
DESIGNED BY: CFC	DRAWN BY: TUB	CHK'D BY: DMD
ISSUED FOR CSC	ISSUED FOR CSC	ISSUED FOR CSC-CLIENT REVIEW
DATE: 12/12/11	DATE: 12/08/11	DATE: 12/08/11
REV. 1	REV. 0	REV. 0
DESCRIPTION: ISSUED FOR CSC	DESCRIPTION: ISSUED FOR CSC	DESCRIPTION: ISSUED FOR CSC-CLIENT REVIEW

52 STADLEY ROUGH ROAD
DANBURY CT
WIRELESS COMMUNICATIONS FACILITY
Cellico Partnership d/b/a Verizon Wireless

DATE: 12/09/11
SCALE: AS NOTED
JOB NO. 10045
COMPUND PLAN AND ELEVATION
C-2
Sheet No. 3 of 3



NOTE: 1. PROPOSED CELCO PARTNERSHIP SHELTER-HOUSED GENERATOR TEST CYCLING TO BE SCHEDULED BETWEEN THE HOURS OF 9 AM AND 5 PM DURING WEEKDAYS ONLY.
2. SOUND ATTENUATION MEASURES SHALL BE INSTALLED AS RECOMMENDED IN HIRP NOISE ANALYSIS REPORT DATED JULY 29, 2011, INCLUDING THE INSTALLATION OF SOUND SILENCERS ON EACH GENERATOR INTAKE AND EXHAUST LOUVER LOCATIONS AND THE INSTALLATION OF ACOUSTICAL ABSORPTION MATERIAL ATTACHED TO THE INSIDE FACE OF THE WESTERN AND SOUTHERN COMPOUND FENCE SPANS. REFER TO SAID REPORT FOR ADDITIONAL INFORMATION.
3. FINAL PROPOSED CELCO PARTNERSHIP GAS PIPE ROUTING AND METER LOCATION TO BE COORDINATED WITH LOCAL GAS PROVIDER.
4. PROPOSED CELCO PARTNERSHIP EQUIPMENT SHELTER TO HAVE PITCHED ROOF AND SIDING WITH CEDAR APPEARANCE.
5. PROPOSED CELCO PARTNERSHIP ANTENNAS AND ASSOCIATED MOUNTS AND EXPOSED COAX CABLES TO BE PAINTED BROWN TO MATCH APPROVED TOWER.



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June 25, 2012

Darcy Nelson
Regional Site Manager - NE
SBA Communications Corporation
5900 Broken Sound Parkway NW
Boca Raton, FL 33487-2797


Re: **Cellco Partnership d/b/a Verizon Wireless - Telecommunications Facility
at 52 Stadley Rough Road, Danbury, Connecticut**

Dear Ms. Nelson:

I write to follow-up on your conversations with Jeff York, Construction Manager for Cellco Partnership d/b/a Verizon Wireless ("Cellco") regarding the telecommunications facility at 52 Stadley Rough Road in Danbury. As you know from speaking with Jeff, Cellco intends to install a temporary propane fuel tank inside the facility compound to fuel its backup generator until such time as SBA has completed installation of the natural gas service line from the street to Cellco's equipment shelter. Attached is a copy of a letter I sent to the Siting Council on June 21, 2012 informing them of this proposed (temporary) facility modification. In accordance with its most recent tower share approval from the Siting Council, Cellco has notified the City of Danbury and Mr. and Mrs. Carvalheiro, the adjoining property owner to the west, about its plans to install the temporary fuel tank.

If you have any questions regarding the Siting Council process or Cellco's installation, please feel free to contact either Jeff York or me. The Council intends to place this matter on its July 26, 2012 meeting agenda.

Sincerely,



Kenneth C. Baldwin

KCB/kmd

Copy to:

✓ Linda Roberts, Executive Director
✓ Melanie Bachman, Esq., Staff Attorney
Sandy M. Carter



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June 21, 2012

Via Electronic and U.S. Mail

Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **TS-VER-034-111214 - Cellco Partnership d/b/a Verizon Wireless Request to Install a Temporary/Portable Propane Fuel Tank at its Existing Telecommunications Facility at 52 Stadley Rough Road, Danbury, Connecticut**

Dear Ms. Roberts:

On January 5, 2012, the Siting Council approved the request of Cellco Partnership d/b/a Verizon Wireless ("Cellco") for an order to share the existing SBA Communications, Inc. ("SBA") telecommunications tower at 52 Stadley Rough Road in Danbury, Connecticut. Cellco is now nearing completion of its site improvements which includes the installation of antennas on the existing tower and the placement of a 12' x 24' shelter near the base of the tower to house Cellco's radio equipment and a natural gas-fired backup generator. Cellco expects to activate this cell site in July, 2012.



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Pursuant to its sublease agreement with Cellco, SBA is responsible for the installation of the natural gas distribution line from Stadley Rough Road to the tower site. SBA recently informed Cellco that due to delays in its negotiations with Yankee Gas Services Company, the gas line providing service to Cellco's generator would not be installed until later this Summer, after Cellco's planned site activation date. Cellco does not, for obvious reasons, want to activate this cell site unless it has access to its backup generator. Nor does it want to delay activation of this site until natural gas service is available. For these reasons, Cellco is proposing, and seeks Council approval for the temporary installation of a 500 gallon propane tank at the Stadley Rough Road facility.

11733629-v1

ROBINSON & COLE LLP


Linda Roberts
June 21, 2012
Page 2

As shown on the attached plan, Cellco would propose to install the temporary propane tank near its equipment shelter and inside the fenced compound. The temporary propane fuel tank would be used until such time as the natural gas line is installed and connected to the generator. Cellco anticipates the need to use the propane tank for a period of not longer than 90 days from the date of installation. We will, however, keep the Council updated on the status of the temporary tank in case it needs to remain on-site longer than the 90 days currently anticipated.

Due to Cellco's plans for activation of this cell site in July, and the need to install the temporary fuel tank as quickly as possible, I would ask for special consideration to have this matter addressed by the Council at its June 26, 2012 meeting.

If you have any questions or need any additional information regarding this request please do not hesitate to contact me. Thank you in advance for your assistance and cooperation.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment
Copy to:

Melanie Bachman, Esq.
Sandy M. Carter
Jeff York



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June 25, 2012

Jose and Christina Carvalheiro
14 Indian Spring Road
Danbury, CT 06811

Re: **Cellco Partnership d/b/a Verizon Wireless - Telecommunications Facility
at 52 Stadley Rough Road, Danbury, Connecticut**

Dear Mr. and Mrs. Carvalheiro:

As you are aware, on January 5, 2012, the Connecticut Siting Council approved the request of Cellco Partnership d/b/a Verizon Wireless ("Cellco") to share the existing telecommunications facility at 52 Stadley Rough Road, Danbury, Connecticut. Notice of that filing was provided to you on December 12, 2011, pursuant to a Stipulation of Judgment dated January 6, 2010, between the City of Danbury, Jose Carvalheiro and Christina Carvalheiro, the Connecticut Siting Council ("Council"), Optasite Towers LLC (now SBA Towers II LLC) and Omnipoint Communications, Inc.

As you know from previous correspondence, Cellco plans to install a natural gas-fired generator at this facility to provide backup power for its existing cell site. Natural gas service to the generator is to be installed by the site operator, SBA Towers II LLC ("SBA"). Installation of the natural gas service line has been delayed due to circumstances beyond my client's control. As such, on June 21, 2012, Cellco has requested that the Siting Council approve the temporary installation of a portable propane tank at this site to fuel its generator until the natural gas service line has been installed. A copy of Cellco's letter to the Council is attached for your review. Also attached is a letter I received from the Council today regarding Cellco's request for the temporary propane tank. The Council intends to place this matter on its July 26, 2012 meeting agenda.



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11747650-v1

ROBINSON & COLE_{LLP}

Jose and Christina Carvalheiro
June 25, 2012
Page 2

If you have any questions or comments regarding this proposed temporary installation please feel free to contact me or the Siting Council directly before July 26, 2012. Thank you.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment

~~Linda Roberts, Executive Director~~
~~Melanie Bachman, Esq., Staff Attorney~~
Sandy M. Carter



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June 21, 2012

Via Electronic and U.S. Mail

Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: TS-VER-034-111214 - Cellco Partnership d/b/a Verizon Wireless Request to Install a Temporary/Portable Propane Fuel Tank at its Existing Telecommunications Facility at 52 Stadley Rough Road, Danbury, Connecticut

Dear Ms. Roberts:

On January 5, 2012, the Siting Council approved the request of Cellco Partnership d/b/a Verizon Wireless ("Cellco") for an order to share the existing SBA Communications, Inc. ("SBA") telecommunications tower at 52 Stadley Rough Road in Danbury, Connecticut. Cellco is now nearing completion of its site improvements which includes the installation of antennas on the existing tower and the placement of a 12' x 24' shelter near the base of the tower to house Cellco's radio equipment and a natural gas-fired backup generator. Cellco expects to activate this cell site in July, 2012.



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11733629-v1


Linda Roberts
June 21, 2012
Page 2

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Due to Cellco's plans for activation of this cell site in July, and the need to install the temporary fuel tank as quickly as possible, I would ask for special consideration to have this matter addressed by the Council at its June 26, 2012 meeting.

If you have any questions or need any additional information regarding this request please do not hesitate to contact me. Thank you in advance for your assistance and cooperation.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment
Copy to:

Melanie Bachman, Esq.
Sandy M. Carter
Jeff York





STATE OF CONNECTICUT
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June 25, 2012

Kenneth C. Baldwin, Esq.
Robinson & Cole, LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: TS-VER-034-111214 – Cellco Partnership d/b/a Verizon Wireless Request to Install a temporary/Portable Fuel Tank at an existing facility located at 52 Stadley Rough Road, Danbury, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) is in receipt of the request from Cellco Partnership d/b/a Verizon Wireless (Cellco) dated June 21, 2012 for approval to install a temporary/portable propane fuel tank at the existing facility located at 52 Stadley Rough Road, Danbury. The certificate holder for this facility is SBA Towers II, LLC (SBA). The facility was the subject of an appeal that resulted in a Stipulated Judgment (Judgment) dated January 6, 2010.

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As a result of a meeting with the City Attorney and the abutting property owners, Cellco proposed to install a natural-gas fired generator with an exhaust muffler and "cowling silencers" on both the air in-take and air discharge sides of the generator room, as well as installation of a noise absorbing curtain on the inside of the wooden stockade compound fence. The Council approved Cellco's tower share request on January 6, 2012, which indicates any material changes to the proposed installation as specified in the tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council. A copy of the decision letter is attached for your convenience.

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There is no evidence in the request that copies were mailed to SBA, the City and the abutting property owners. Therefore, the Council declines to place this matter on a special meeting agenda for June 26, 2012. Rather, the Council requests that Cellco provide proof of notice to SBA, the City and the abutting property owners of the proposed installation on or before July 2, 2012. Once proof of notice and an opportunity for comment have been provided, the Council will place this matter on the meeting agenda for July 26, 2012.

Thank you for your attention to this matter.

Sincerely,



Linda Roberts
Executive Director

LR/cm

c: Parties and Intervenors
Robert Marconi, Assistant Attorney General

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June 25, 2012

Daniel E. Casagrande, Esq.
Cramer & Anderson LLP
30 Main Street, Suite 303
Danbury, CT 06810

Re: **Cellco Partnership d/b/a Verizon Wireless - Telecommunications Facility
at 52 Stadley Rough Road, Danbury, Connecticut**

Dear Attorney Casagrande:

As you are aware, on January 5, 2012, the Connecticut Siting Council approved the request of Cellco Partnership d/b/a Verizon Wireless ("Cellco") to share the existing telecommunications facility at 52 Stadley Rough Road, Danbury, Connecticut. Notice of that filing was provided to you on December 12, 2011, pursuant to a Stipulation of Judgment dated January 6, 2010, between the City of Danbury, Jose Carvalheiro and Christina Carvalheiro, the Connecticut Siting Council ("Council"), Optasite Towers LLC (now SBA Towers II LLC) and Omnipoint Communications, Inc.

As you know from our prior meetings and previous correspondence, Cellco plans to install a natural gas-fired generator at this facility to provide backup power for its existing cell site. Natural gas service to the generator is to be installed by the site operator, SBA Towers II LLC ("SBA"). Installation of the natural gas service line has been delayed due to circumstances beyond my client's control. As such, on June 21, 2012, Cellco has requested that the Siting Council approve the temporary installation of a portable propane tank at this site to fuel its generator until the natural gas service line has been installed. A copy of Cellco's letter to the Council is attached for your review. Also attached is a letter I received from the Council today regarding Cellco's request for the temporary propane tank. The Council intends to place this matter on its July 26, 2012 meeting agenda.



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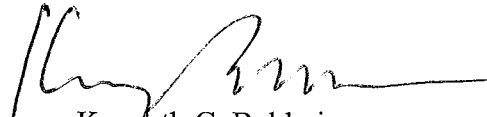
11747630-v1

ROBINSON & COLE^{LLP}

Daniel E. Casagrande, Esq.
June 25, 2012
Page 2

If you have any questions or comments regarding this proposed temporary installation please feel free to contact me or the Siting Council directly before July 26, 2012. Thank you.

Sincerely,



Kenneth C. Baldwin

KCB/kmd

Attachment

~~Linda Roberts, Executive Director~~
~~Melanie Bachman, Esq., Staff Attorney~~
Sandy M. Carter



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June 21, 2012

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Linda Roberts
Executive Director
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Re: **TS-VER-034-111214 - Cellco Partnership d/b/a Verizon Wireless Request to Install a Temporary/Portable Propane Fuel Tank at its Existing Telecommunications Facility at 52 Stadley Rough Road, Danbury, Connecticut**

Dear Ms. Roberts:

On January 5, 2012, the Siting Council approved the request of Cellco Partnership d/b/a Verizon Wireless ("Cellco") for an order to share the existing SBA Communications, Inc. ("SBA") telecommunications tower at 52 Stadley Rough Road in Danbury, Connecticut. Cellco is now nearing completion of its site improvements which includes the installation of antennas on the existing tower and the placement of a 12' x 24' shelter near the base of the tower to house Cellco's radio equipment and a natural gas-fired backup generator. Cellco expects to activate this cell site in July, 2012.



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Pursuant to its sublease agreement with Cellco, SBA is responsible for the installation of the natural gas distribution line from Stadley Rough Road to the tower site. SBA recently informed Cellco that due to delays in its negotiations with Yankee Gas Services Company, the gas line providing service to Cellco's generator would not be installed until later this Summer, after Cellco's planned site activation date. Cellco does not, for obvious reasons, want to activate this cell site unless it has access to its backup generator. Nor does it want to delay activation of this site until natural gas service is available. For these reasons, Cellco is proposing, and seeks Council approval for the temporary installation of a 500 gallon propane tank at the Stadley Rough Road facility.

ROBINSON & COLE^{LLP}


Linda Roberts
June 21, 2012
Page 2

As shown on the attached plan, Cellco would propose to install the temporary propane tank near its equipment shelter and inside the fenced compound. The temporary propane fuel tank would be used until such time as the natural gas line is installed and connected to the generator. Cellco anticipates the need to use the propane tank for a period of not longer than 90 days from the date of installation. We will, however, keep the Council updated on the status of the temporary tank in case it needs to remain on-site longer than the 90 days currently anticipated.

Due to Cellco's plans for activation of this cell site in July, and the need to install the temporary fuel tank as quickly as possible, I would ask for special consideration to have this matter addressed by the Council at its June 26, 2012 meeting.

If you have any questions or need any additional information regarding this request please do not hesitate to contact me. Thank you in advance for your assistance and cooperation.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment
Copy to:

Melanie Bachman, Esq.
Sandy M. Carter
Jeff York



DESIGNED BY: CFC	DATE: 12/09/11	ISSUED FOR: CSC-CLIENT REVIEW
DRAWN BY: TJB	DATE: 12/12/11	ISSUED FOR: CSC
CHECKED BY: DMD		

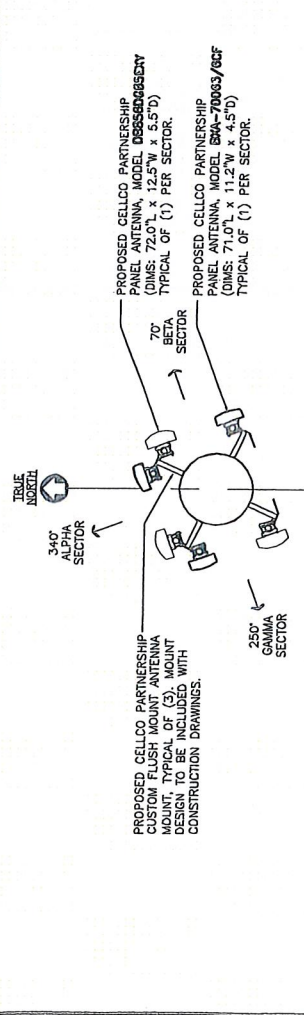
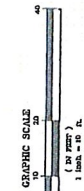
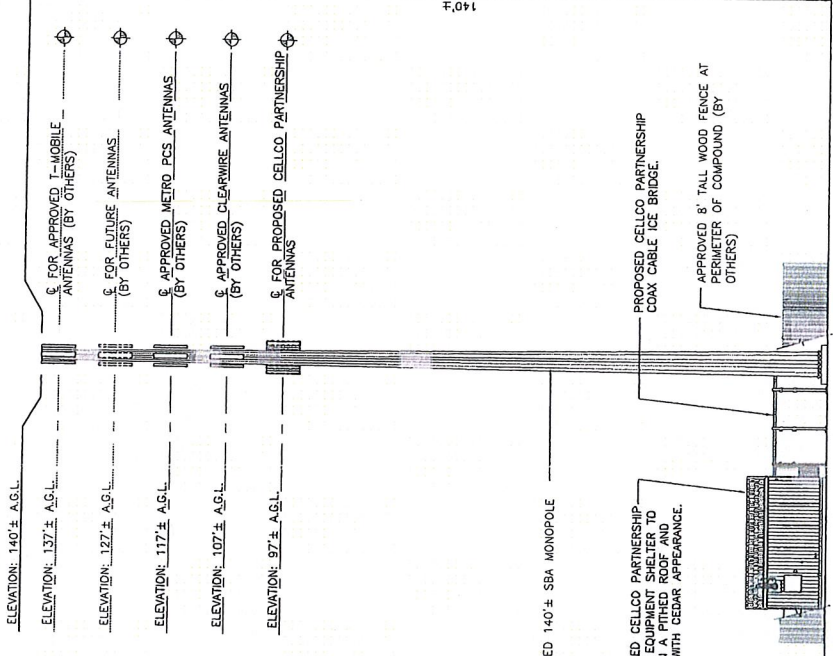
Cellco Partnership
 62 North Bedford Road
 Bedford, CT 06021
 Tel: 860.466.5557
 Fax: 860.466.5558
 www.cellco.com

52 STADLEY ROUGH ROAD
 WIRELESS COMMUNICATIONS FACILITY
 Cellco Partnership d/b/a Verizon Wireless

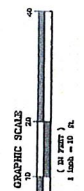
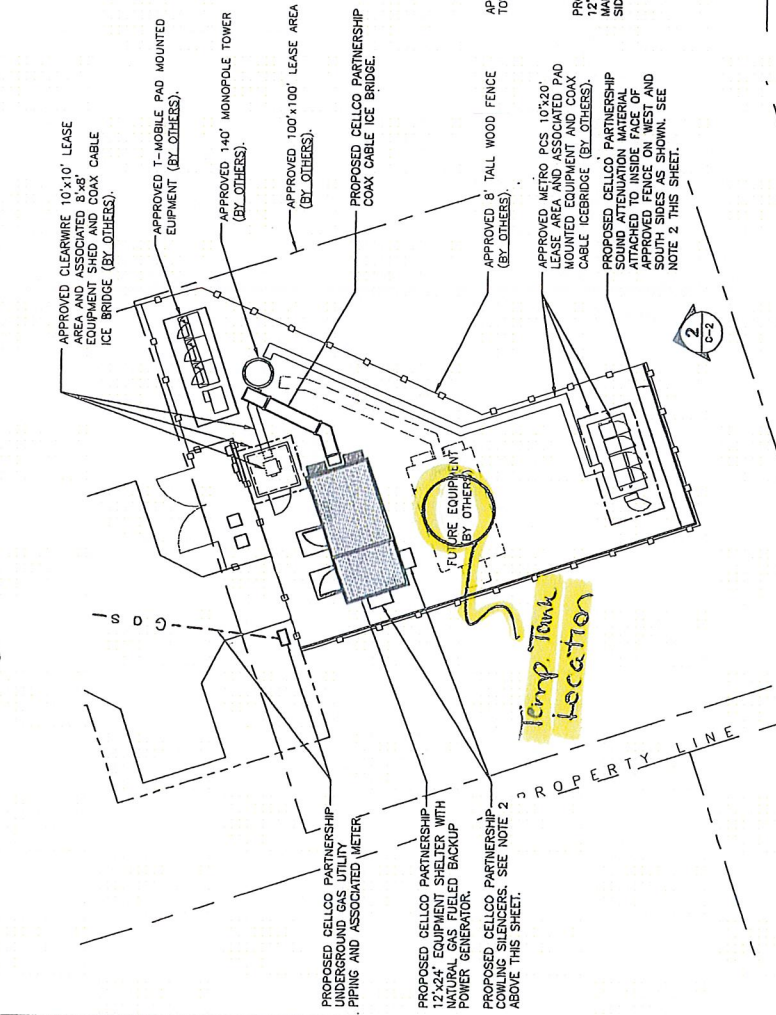
DATE: 12/09/11
 SCALE: 1" = 10'
 JOB NO. 10046

COMPOUND
 PLAN AND
 ELEVATION
 C-2

- NOTES:**
1. PROPOSED CELCO PARTNERSHIP SHELTER-HOUSED GENERATOR TEST CYCLING TO BE SCHEDULED BETWEEN THE HOURS OF 9 AM AND 5 PM DURING WEEKDAYS ONLY.
 2. SOUND ATTENUATION MEASURES SHALL BE INSTALLED AS RECOMMENDED IN HMB NOISE ANALYSIS REPORT DATED JULY 29, 2011 INCLUDING THE INSTALLATION OF SOUND BARRIERS ON BOTH GENERATOR INTAKE AND EXHAUST LOUVER LOCATIONS AND THE INSTALLATION OF ACoustICAL FENCE SPANS ATTACHED TO THE INSIDE FACE OF THE WESTERN AND SOUTHERN COMPOUND FENCE SPANS. REFER TO SAID REPORT FOR ADDITIONAL INFORMATION.
 3. FINAL PROPOSED CELCO PARTNERSHIP GAS PIPE ROUTING AND METER LOCATION TO BE COORDINATED WITH LOCAL GAS PROVIDER.
 4. PROPOSED CELCO PARTNERSHIP EQUIPMENT SHELTER TO HAVE PITCHED ROOF AND SIDING WITH CEDAR APPEARANCE.
 5. PROPOSED CELCO PARTNERSHIP ANTENNAS AND ASSOCIATED MOUNTS AND EXPOSED COAX CABLES TO BE PAINTED BROWN TO MATCH APPROVED TOWER.



3 FLUSH MOUNTED CONFIGURATION
 NOT TO SCALE
 C-2



1 COMPOUND PLAN
 SCALE: 1" = 10'
 C-2

2 SOUTHEAST ELEVATION
 SCALE: 1" = 10'
 C-2



STATE OF CONNECTICUT
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June 25, 2012

Kenneth C. Baldwin, Esq.
Robinson & Cole, LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: TS-VER-034-111214 – Cellco Partnership d/b/a Verizon Wireless Request to Install a temporary/Portable Fuel Tank at an existing facility located at 52 Stadley Rough Road, Danbury, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) is in receipt of the request from Cellco Partnership d/b/a Verizon Wireless (Cellco) dated June 21, 2012 for approval to install a temporary/portable propane fuel tank at the existing facility located at 52 Stadley Rough Road, Danbury. The certificate holder for this facility is SBA Towers II, LLC (SBA). The facility was the subject of an appeal that resulted in a Stipulated Judgment (Judgment) dated January 6, 2010.

Pursuant to its tower share request filed with the Council on December 14, 2011, Cellco indicated its intent to install a natural-gas fired generator in a 12' X 24' equipment shelter at the facility site rather than a diesel or propane generator. In accordance with Paragraph 3 of the Judgment by the Superior Court relating to this facility, Cellco notified the City of Danbury and the abutting property owners of Cellco's tower share proposal for the facility on July 20, 2011. Pursuant to Paragraph 6 of the Judgment, any co-locating tenant on the facility must use fuel cell technology as backup power. If a fuel cell is not used, the co-locating tenant shall provide written notice to the City and the abutting property owners explaining the reasons why fuel cell technology would be infeasible.

As a result of a meeting with the City Attorney and the abutting property owners, Cellco proposed to install a natural-gas fired generator with an exhaust muffler and "cowling silencers" on both the air in-take and air discharge sides of the generator room, as well as installation of a noise absorbing curtain on the inside of the wooden stockade compound fence. The Council approved Cellco's tower share request on January 6, 2012, which indicates any material changes to the proposed installation as specified in the tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council. A copy of the decision letter is attached for your convenience.

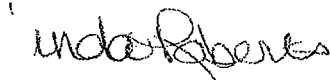
The June 21, 2012 request indicates Cellco's intent to install a temporary 500 gallon propane fuel tank in a *different* equipment shelter than what was approved by the Council on January 6, 2012.



There is no evidence in the request that copies were mailed to SBA, the City and the abutting property owners. Therefore, the Council declines to place this matter on a special meeting agenda for June 26, 2012. Rather, the Council requests that Cellco provide proof of notice to SBA, the City and the abutting property owners of the proposed installation on or before July 2, 2012. Once proof of notice and an opportunity for comment have been provided, the Council will place this matter on the meeting agenda for July 26, 2012.

Thank you for your attention to this matter.

Sincerely,



Linda Roberts
Executive Director

LR/cm

c: Parties and Intervenors
Robert Marconi, Assistant Attorney General

280 Trumbull Street
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June 25, 2012

Robin L. Edwards, Esq.
Assistant Corporation Counsel
City of Danbury
155 Deer Hill Avenue
Danbury, CT 06810

Re: **Cellco Partnership d/b/a Verizon Wireless - Telecommunications Facility
at 52 Stadley Rough Road, Danbury, Connecticut**

Dear Ms. Edwards:

As you are aware, on January 5, 2012, the Connecticut Siting Council approved the request of Cellco Partnership d/b/a Verizon Wireless ("Cellco") to share the existing telecommunications facility at 52 Stadley Rough Road, Danbury, Connecticut. Notice of that filing was provided to you on December 12, 2011, pursuant to a Stipulation of Judgment dated January 6, 2010, between the City of Danbury, Jose Carvalheiro and Christina Carvalheiro, the Connecticut Siting Council ("Council"), Optasite Towers LLC (now SBA Towers II LLC) and Omnipoint Communications, Inc.

As you know from our prior meetings and previous correspondence, Cellco plans to install a natural gas-fired generator at this facility to provide backup power for its existing cell site. Natural gas service to the generator is to be installed by the site operator, SBA Towers II LLC ("SBA"). Installation of the natural gas service line has been delayed due to circumstances beyond my client's control. As such, on June 21, 2012, Cellco has requested that the Siting Council approve the temporary installation of a portable propane tank at this site to fuel its generator until the natural gas service line has been installed. A copy of Cellco's letter to the Council is attached for your review. Also attached is a letter I received from the Council today regarding Cellco's request for the temporary propane tank. The Council intends to place this matter on its July 26, 2012 meeting agenda.



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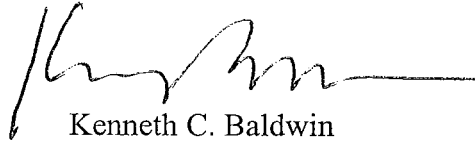
Robin L. Edwards, Esq.

June 25, 2012

Page 2

If you have any questions or comments regarding this proposed temporary installation please feel free to contact me or the Siting Council directly before July 26, 2012. Thank you.

Sincerely,



Kenneth C. Baldwin

KCB/kmd

Attachment

~~Linda Roberts, Executive Director~~

~~Melanie Bachman, Esq., Staff Attorney~~

Sandy M. Carter



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kbaldwin@rc.com
Direct (860) 275-8345

June 21, 2012

Via Electronic and U.S. Mail

Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **TS-VER-034-111214 - Cellco Partnership d/b/a Verizon Wireless Request to Install a Temporary/Portable Propane Fuel Tank at its Existing Telecommunications Facility at 52 Stadley Rough Road, Danbury, Connecticut**

Dear Ms. Roberts:

On January 5, 2012, the Siting Council approved the request of Cellco Partnership d/b/a Verizon Wireless ("Cellco") for an order to share the existing SBA Communications, Inc. ("SBA") telecommunications tower at 52 Stadley Rough Road in Danbury, Connecticut. Cellco is now nearing completion of its site improvements which includes the installation of antennas on the existing tower and the placement of a 12' x 24' shelter near the base of the tower to house Cellco's radio equipment and a natural gas-fired backup generator. Cellco expects to activate this cell site in July, 2012.



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ROBINSON & COLE_{LLP}

Linda Roberts
June 21, 2012
Page 2

As shown on the attached plan, Cellco would propose to install the temporary propane tank near its equipment shelter and inside the fenced compound. The temporary propane fuel tank would be used until such time as the natural gas line is installed and connected to the generator. Cellco anticipates the need to use the propane tank for a period of not longer than 90 days from the date of installation. We will, however, keep the Council updated on the status of the temporary tank in case it needs to remain on-site longer than the 90 days currently anticipated.

Due to Cellco's plans for activation of this cell site in July, and the need to install the temporary fuel tank as quickly as possible, I would ask for special consideration to have this matter addressed by the Council at its June 26, 2012 meeting.

If you have any questions or need any additional information regarding this request please do not hesitate to contact me. Thank you in advance for your assistance and cooperation.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment
Copy to:

Melanie Bachman, Esq.
Sandy M. Carter
Jeff York





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June 25, 2012

Kenneth C. Baldwin, Esq.
Robinson & Cole, LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: TS-VER-034-111214 – Cellco Partnership d/b/a Verizon Wireless Request to Install a temporary/Portable Fuel Tank at an existing facility located at 52 Stadley Rough Road, Danbury, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) is in receipt of the request from Cellco Partnership d/b/a Verizon Wireless (Cellco) dated June 21, 2012 for approval to install a temporary/portable propane fuel tank at the existing facility located at 52 Stadley Rough Road, Danbury. The certificate holder for this facility is SBA Towers II, LLC (SBA). The facility was the subject of an appeal that resulted in a Stipulated Judgment (Judgment) dated January 6, 2010.

Pursuant to its tower share request filed with the Council on December 14, 2011, Cellco indicated its intent to install a natural-gas fired generator in a 12' X 24' equipment shelter at the facility site rather than a diesel or propane generator. In accordance with Paragraph 3 of the Judgment by the Superior Court relating to this facility, Cellco notified the City of Danbury and the abutting property owners of Cellco's tower share proposal for the facility on July 20, 2011. Pursuant to Paragraph 6 of the Judgment, any co-locating tenant on the facility must use fuel cell technology as backup power. If a fuel cell is not used, the co-locating tenant shall provide written notice to the City and the abutting property owners explaining the reasons why fuel cell technology would be infeasible.

As a result of a meeting with the City Attorney and the abutting property owners, Cellco proposed to install a natural-gas fired generator with an exhaust muffler and "cowling silencers" on both the air in-take and air discharge sides of the generator room, as well as installation of a noise absorbing curtain on the inside of the wooden stockade compound fence. The Council approved Cellco's tower share request on January 6, 2012, which indicates any material changes to the proposed installation as specified in the tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council. A copy of the decision letter is attached for your convenience.

The June 21, 2012 request indicates Cellco's intent to install a temporary 500 gallon propane fuel tank in a *different* equipment shelter than what was approved by the Council on January 6, 2012.



There is no evidence in the request that copies were mailed to SBA, the City and the abutting property owners. Therefore, the Council declines to place this matter on a special meeting agenda for June 26, 2012. Rather, the Council requests that Cellco provide proof of notice to SBA, the City and the abutting property owners of the proposed installation on or before July 2, 2012. Once proof of notice and an opportunity for comment have been provided, the Council will place this matter on the meeting agenda for July 26, 2012.

Thank you for your attention to this matter.

Sincerely,



Linda Roberts
Executive Director

LR/cm

c: Parties and Intervenors
Robert Marconi, Assistant Attorney General



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January 6, 2012

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: **TS-VER-034-111214** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located 52 Stadley Rough Road, Danbury, Connecticut.

Dear Attorney Baldwin:

At a public meeting held January 5, 2012, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures with the following conditions:

- Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
- Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65;
- Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

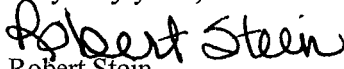

This decision is under the exclusive jurisdiction of the Council. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction. Please be advised that the validity of this action shall expire one year from the date of this letter.

The proposed shared use is to be implemented as specified in your letter dated December 14, 2011, including the placement of all necessary equipment and shelters within the tower compound.

Thank you for your attention and cooperation.

Very truly yours,


Robert Stein
Chairman 

RS/CDM/laf

c: The Honorable Mark D. Boughton, Mayor, City of Danbury
Dennis Elpern, City Planner, City of Danbury
SBA Towers II, LLC

ROBINSON & COLE LLP

KENNETH C. BALDWIN

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Hartford, CT 06103-3597
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kbaldwin@rc.com
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December 14, 2011

Via Hand Delivery



Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Request of Cellco Partnership d/b/a Verizon Wireless for an Order to Approve the Shared Use of a Tower Facility at 52 Stadley Rough Road, Danbury, Connecticut**

Dear Ms. Roberts:

Pursuant to Conn. Gen. Stat. §16-50aa, Cellco Partnership d/b/a Verizon Wireless (“Cellco”) hereby requests an order from the Connecticut Siting Council (“Council”) to approve the shared use by Cellco of an existing telecommunications facility located at 52 Stadley Rough Road in Danbury, Connecticut (the “Property”). The existing tower is owned by SBA Towers II, LLC (“SBA”) and was approved by the Council in Docket No. 366.¹ Cellco requests that the Council find that the proposed shared use of the SBA facility satisfies the criteria of Conn. Gen. Stat. § 16-50aa and issue an order approving the shared use. A copy of this filing is being sent to Danbury Mayor Mark D. Boughton, City Attorney Robin L. Edwards, Attorney Daniel Casagrande, Jose and Christina Carvalheiro, and Christ the Shepherd Church PCA, the record owner of the Property.



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¹ The Docket No. 366 application was originally filed by Optasite Towers LLC and Omnipoint Communications, Inc. The Docket No. 366 Certificate, however, was ultimately issued to SBA Towers II, LLC.

Linda Roberts
December 14, 2011
Page 2

Existing SBA Facility

The existing telecommunications facility consists of a 140-foot tall monopole tower located in the southwest corner of the Property. The tower is designed to be shared by multiple carriers including T-Mobile at the 137-foot level; Sprint Nextel at the 127-foot level; MetroPCS at the 117' level and Clearwire at the 107-foot level.² Equipment associated with each of the carriers' antennas is or will be located on the ground near the base of the tower within an approximately 3,550 square foot fenced compound. Project Plans for the SBA facility are included in Attachment 1.

Procedural Background

The Council approved the SBA facility (Docket No. 366) on April 23, 2009. The Council's decision was appealed to the Connecticut Superior Court, by the City of Danbury ("City") and an adjacent property owner, Jose and Christina Carvalheiro. On January 6, 2010, all parties to the appeal entered into a Stipulation for Judgment (the "Stipulation"), settling the appeal and permitting SBA to proceed with construction of the approved telecommunications facility subject to certain conditions and/or procedural requirements.

The conditions and/or requirements relevant to Cellco's tower share application are as follows:

- 1. SBA or its authorized agent shall notify the City of any field changes, D&M Plan amendments or exempt modifications, and give the City an opportunity to be heard prior to any Council action. (Stipulation, para. 3).***

On July 20, 2011, a Cellco representative met with City Attorney Robin Edwards and Attorney Daniel Casagrande counsel to Jose and Christina Carvalheiro, to discuss Cellco's tower share proposal.³ On July 26, 2011, Cellco sent a letter to Jose and Christina Carvalheiro describing its tower share proposal including its planned use of a backup generator. Cellco's Stadley Rough Road facility project was put on hold at the end of July 2011 and reactivated on December 1, 2011. On December 2, 2011,

² As of the date of this filing not all of these wireless carriers have installed antennas on the tower.

³ At this meeting Attorney Casagrande informed Cellco that since the resolution of the appeal of the Council's decision, he no longer represented Mr. and Mrs. Carvalheiro.



Linda Roberts
December 14, 2011
Page 3

Attorneys Edwards and Casagrande were notified of Cellco's intent to move forward with its tower share application. On December 5, 2011, a second letter was sent to Jose and Christina Carvalheiro notifying them of Cellco's intent to proceed with its tower share application to the Council. As of the date of this filing Cellco has not received any calls or correspondence from the City or Mr. or Mrs. Carvalheiro raising any questions or expressing any concerns about the tower share proposal or Cellco's plans to install a backup generator.

In accordance with the conditions of the Stipulation, on December 12, 2011, Cellco formally notified Mayor Mark Boughton, City Attorney Robin Edwards, Attorney Daniel Casagrande and Jose and Christina Carvalheiro of its intent to file this tower share application with the Council. Copies of all correspondence referenced above are included in Attachment 2.

2. ***All antennas on the approved tower shall be flush-mounted and all related equipment must be installed within the fenced compound in a manner that is consistent with the approved D&M Plan. (Stipulation, para. 3).***

In order to provide high quality wireless service to its customers in the area and, at the same time, comply with the flush-mounted antenna installation requirements of the Stipulation, Cellco is proposing to install a total of six (6) flush-mounted antennas (two antennas per sector) at the 97-foot level on the SBA tower. Equipment associated with Cellco's antennas will be installed in a 12' x 24' architecturally treated shelter within the fenced facility compound. As shown on the approved D&M Plan for the SBA facility (D&M Plan Sheet L-2), Cellco's shelter will maintain a "pitched roof and siding with a cedar appearance". (See Attachment 1 Plan Sheet C-2).

3. ***The Stipulation includes specific language regarding the use of backup generators and associated sound attenuation measures. (Stipulation, para. 6).***

According to the Stipulation, if a future co-locating tenant seeks to add additional backup power, that tenant must consider the use of a fuel cell to the extent such technology is



Linda Roberts
December 14, 2011
Page 4

readily available and, more importantly, meets the backup power requirements for the carrier's equipment. If a fuel cell is not used, the co-locating tenant must provide written notice to the City and to Mr. and Mrs. Carvalheiros explaining why the technology is not proposed to be used. Any permanent backup generators proposed in lieu of a fuel cell must be baffled, and cycling times must be scheduled between the hours of 9am and 5pm weekdays.

The 12' x 24' architecturally-treated shelter will house Cellco's radio equipment and a natural gas-fired backup generator.⁴ Cellco's intent to install a backup generator in lieu of a fuel cell was a topic of discussion at the July 20, 2011 meeting with Attorneys Edwards and Casagrande and was discussed in all correspondence to the City and Mr. and Mrs. Carvalheiro. (*See Attachment 2*).

Cellco has been exploring the use of fuel cell technology as backup power at cell sites for some time now and has, in fact established two "trial" fuel cell installations, one in New Jersey and one in Massachusetts. None of the fuel cell products investigated by Cellco's network operations engineers, however, has been able to satisfy the electric load requirements of Cellco's radio equipment and equipment room heating and cooling systems. During times when commercial power to the facility is not available, Cellco needs a dependable backup power supply to keep its cell sites and network operating. To date, on-site generators still provide the most reliable and cost effective way to provide backup power to an operating cell site.

In an effort to mitigate noise impacts associated with its generator, Cellco retained HMB Acoustics to review its plans and make certain recommendations. Cellco proposes to install

⁴ Natural gas service will be installed by Cellco within the existing SBA access easement from Stadley Rough Road to the facility compound. Cellco's decision to use a natural gas generator is in direct response to noise concerns raised by the City and the Carvalheiros during the Council's Docket No. 366 proceeding.



Linda Roberts
December 14, 2011
Page 5

a natural gas-fired generator at the Property rather than the more traditional diesel or propane generator. Natural gas generators generally operate with less overall noise output. In addition, Cellco will install an exhaust muffler on the generator and “Cowling Silencers” on both the air in-take and air discharge sides of the generator room. Finally, a noise absorbing curtain will be installed on the inside of the wooden stockade compound fence. With these additional noise mitigation measures in place, Cellco’s facility will operate well within the noise standards adopted by the City and present minimal disruption to neighbors. A copy of the HMB Noise Analysis Report is included in Attachment 3.

Tower Sharing Approval Criteria

Cellco is licensed by the Federal Communications Commission (FCC) to provide wireless telecommunications services throughout the State of Connecticut. Cellco and SBA have agreed to the proposed shared use of the Stadley Rough Road facility pursuant to mutually acceptable terms and conditions, and SBA has authorized Cellco to act on its behalf to apply for all necessary local, state and federal permits, approvals, and authorizations which may be required for the proposed shared use of the facility at the Property.

C.G.S. § 16-50aa(c)(1) provides that, upon written request for approval of a proposed shared use, “if the council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the council shall issue an order approving such shared use.” The shared use of the tower satisfies those criteria as follows:

A. Technical Feasibility. The SBA tower is structurally capable of supporting Cellco’s flush mounted antennas and the existing facility compound area is of adequate size to accommodate Cellco’s equipment structure. The proposed shared use of the SBA facility therefore is technically feasible. A report verifying the structural integrity of the existing tower is included in Attachment 4.

B. Legal Feasibility. Under C.G.S. § 16-50aa, the Council has been authorized to issue orders approving the proposed shared use of the existing facilities like the SBA facility in Danbury. This authority complements the Council’s prior-



Linda Roberts
December 14, 2011
Page 6

existing authority under C.G.S. § 16-50p to issue orders approving the construction of new towers that are subject to the Council's jurisdiction. In addition, § 16-50x(a) directs the Council to "give such consideration to other state laws and municipal regulations as it shall deem appropriate" in ruling on requests for the shared use of existing tower facilities. Under the statutory authority vested in the Council, an order by the Council approving the requested shared use would permit the Applicant to obtain a building permit for the proposed installations.

C. **Environmental Feasibility.** The proposed shared use would have a minimal environmental effect, for the following reasons:

1. The proposed installation of six (6) flush-mounted antennas would have an insignificant incremental visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics of the approved facility. The proposed installations will not extend the height of the tower and will not require the expansion of the approved facility compound area.
2. The proposed shared use would not, during normal operations, result in an increase the noise levels at the facility by six decibels or more. To further minimize noise impacts associated with the proposed shared use of the SBA facility, Cellco will utilize a natural gas fired backup generator, install the generator inside a segregated generator room within Cellco's equipment shelter. Exhaust mufflers, air-intake and air-exhaust silencers and noise absorbing curtains will also be installed to reduce noise impacts from the generator. It is important to remember that under normal operating conditions, the generator will only be cycled (exercised) once a week for approximately 15-20 minutes, during a week day, and only between the hours of 9 a.m. and 5 p.m.
3. Operation of antennas at this site would not exceed the total radio frequency (RF) electromagnetic radiation power density level adopted by the Federal Communications Commission. The "worst-case" exposure calculated for operation of Cellco, T-Mobile, Clearwire and MetroPCS antennas (i.e., calculated at



Linda Roberts
December 14, 2011
Page 7

the base of the tower), would be 52.09% of the standard.⁵ *See Attachment 5.*

4. Cellco's proposed facility would not require any water or sanitary facilities, or generate air emissions or discharges to water or sanitary facilities, or generate air emissions or discharges to nearby water bodies. After construction is complete the proposed installations would not generate any traffic other than periodic (monthly) maintenance visits.

The proposed use of the SBA facility would therefore have a minimal environmental effect, and is environmentally feasible.

D. Economic Feasibility. As previously mentioned, SBA and Cellco have entered into an agreement to share the use of the tower and facility compound on terms agreeable to the parties. The proposed shared use of the SBA facility is therefore economically feasible.

E. Public Safety Concerns. As stated above, the existing tower and facility compound are capable of supporting Cellco's antennas and related equipment. Cellco is not aware of any public safety concerns relative to the proposed sharing of the SBA facility. In fact, the provision of new and improved wireless service through shared use of the existing telecommunications is expected to enhance the safety and welfare of area residents.

Conclusion

For the reasons discussed above, the proposed shared use of the existing SBA facility is consistent with the applicable terms and conditions of the Stipulation, satisfies the criteria stated in C.G.S. § 16-50aa and advances the General Assembly's and the Siting Council's goal of preventing the unnecessary proliferation of towers in Connecticut. The Applicant therefore requests that the Siting Council issue an order approving the Cellco's proposed shared use.

⁵ Information regarding RF emissions from the Sprint Nextel antennas is not available in the Council's RF data base.



ROBINSON & COLE^{LLP}

Linda Roberts
December 14, 2011
Page 8

Thank you for your consideration of this matter.

Very truly yours,



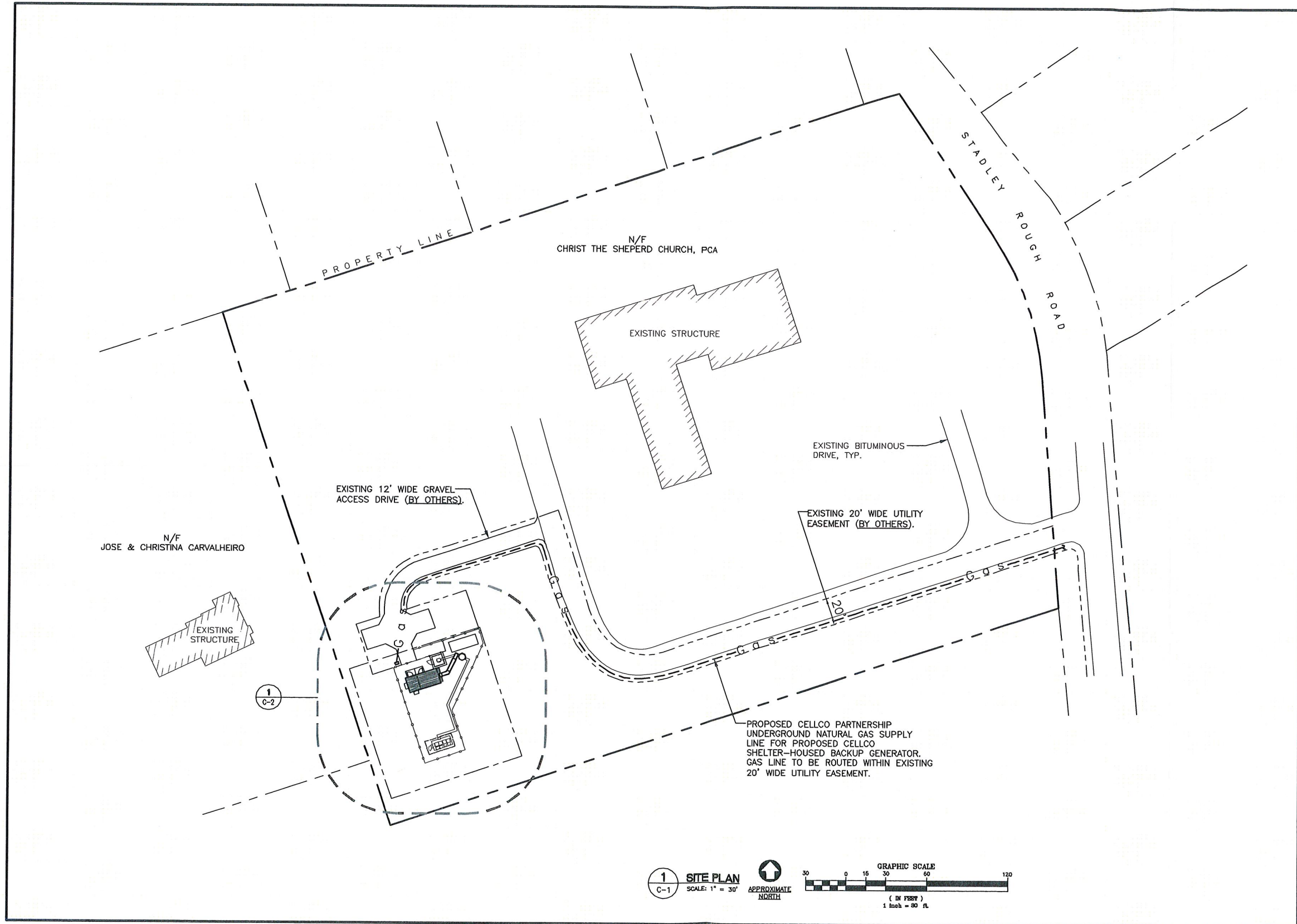
Kenneth C. Baldwin

Enclosures

Copy to:

Mark D. Boughton, Danbury Mayor
Robin Edwards, City Attorney
Daniel Casagrande, Esq.
Jose and Christina Carvalheiro
Christ the Shepherd Church, PCA
Sandy M. Carter





DESIGNED BY:	CFC			
DRAWN BY:	TJB			
CHK'D BY:	DMD			
REV	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
1	12/12/11	DMD	CFC	ISSUED FOR CSC
0	12/09/11	DMD	CFC	ISSUED FOR CSC-CLIENT REVIEW

Cellco Partnership
d.b.a. Verizon Wireless

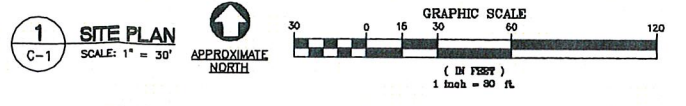
Centex Engineering
Continued on Solution®
P.O. Box 488-0350
633 North Main Road
Stamford, CT 06405
www.CentexEng.com

Cellco Partnership d/b/a Verizon Wireless
WIRELESS COMMUNICATIONS FACILITY
**52 STADLEY ROUGH ROAD
DANBURY CT**

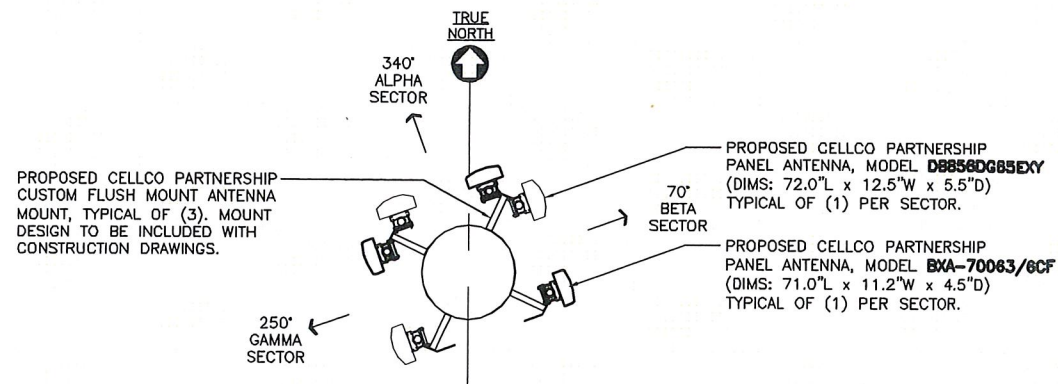
DATE: 12/09/11
SCALE: AS NOTED
JOB NO. 10045

SITE PLAN

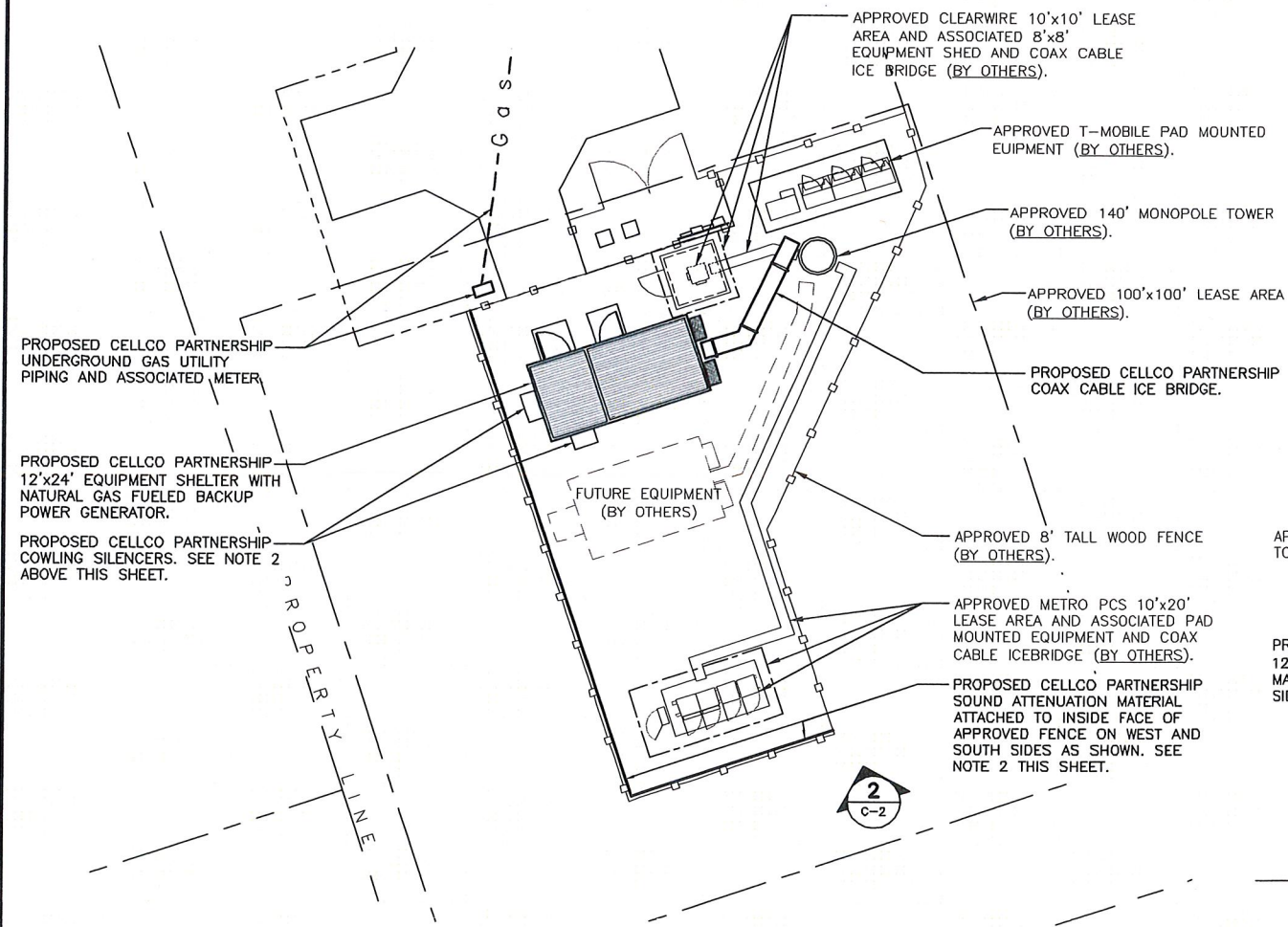
C-1
Sheet No. 2 of 3



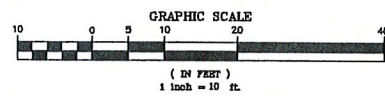
1
C-1
SITE PLAN
SCALE: 1" = 30'



3 FLUSH MOUNTED CONFIGURATION
C-2 NOT TO SCALE

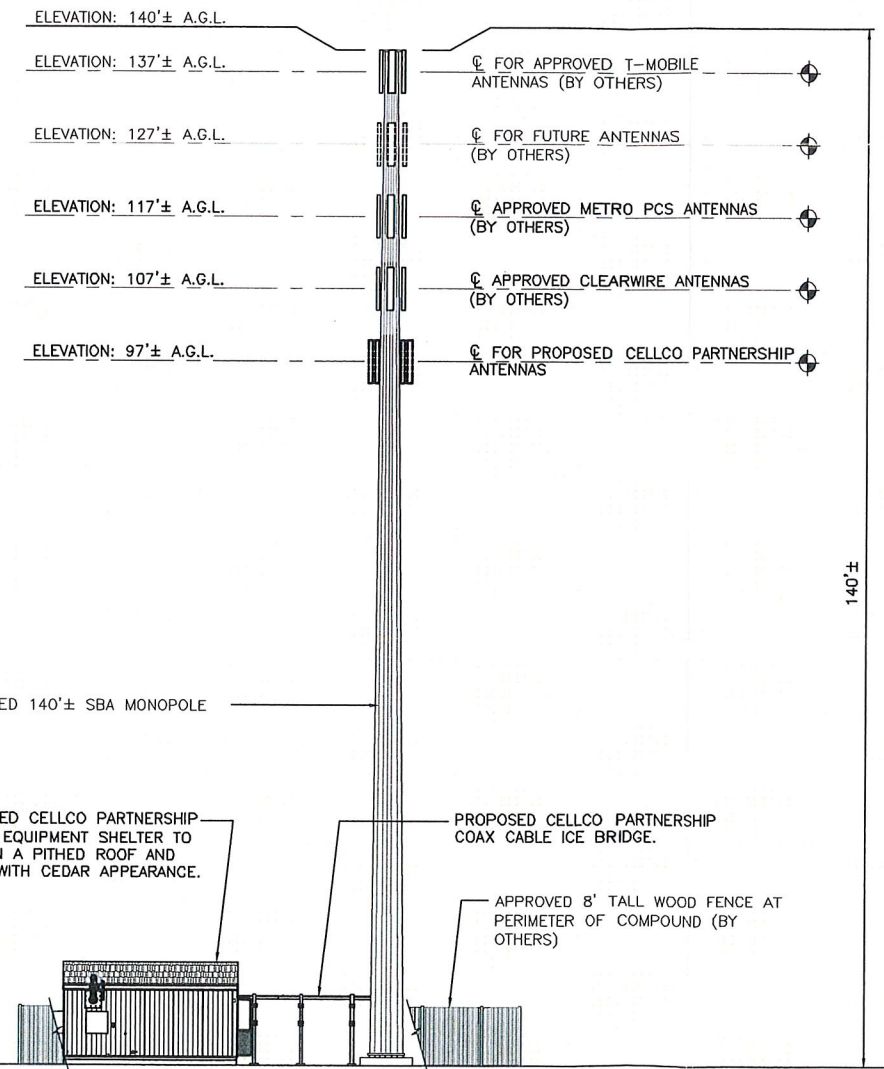


1 COMPOUND PLAN
C-2 SCALE: 1" = 10'

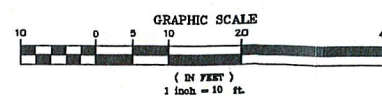


NOTES:

1. PROPOSED CELLCO PARTNERSHIP SHELTER-HOUSED GENERATOR TEST CYCLING TO BE SCHEDULED BETWEEN THE HOURS OF 9 AM AND 5 PM DURING WEEKDAYS ONLY.
2. SOUND ATTENUATION MEASURES SHALL BE INSTALLED AS RECOMMENDED IN HMB NOISE ANALYSIS REPORT DATED JULY 29, 2011 INCLUDING THE INSTALLATION OF COWLING SILENCERS ON BOTH GENERATOR INTAKE AND EXHAUST LOUVER LOCATIONS AND THE INSTALLATION OF ACOUSTICAL ABSORPTION MATERIAL ATTACHED TO THE INSIDE FACE OF THE WESTERN AND SOUTHERN COMPOUND FENCE SPANS. REFER TO SAID REPORT FOR ADDITIONAL INFORMATION.
3. FINAL PROPOSED CELLCO PARTNERSHIP GAS PIPE ROUTING AND METER LOCATION TO BE COORDINATED WITH LOCAL GAS PROVIDER.
4. PROPOSED CELLCO PARTNERSHIP EQUIPMENT SHELTER TO HAVE PITCHED ROOF AND SIDING WITH CEDAR APPEARANCE.
5. PROPOSED CELLCO PARTNERSHIP ANTENNAS AND ASSOCIATED MOUNTS AND EXPOSED COAX CABLES TO BE PAINTED BROWN TO MATCH APPROVED TOWER.



2 SOUTHEAST ELEVATION
C-2 SCALE: 1" = 10'



DESIGNED BY: CFC
DRAWN BY: TJB
CHK'D BY: DMD

REV.	DATE	DESCRIPTION
0	12/09/11	ISSUED FOR CSC-CLIENT REVIEW
1	12/12/11	ISSUED FOR CSC

Cellco Partnership
d.b.a. Verizon Wireless

Centek Engineering
Continued on Submittal
(203) 488-0580
(203) 488-6587 Fax
25-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless
WIRELESS COMMUNICATIONS FACILITY
**52 STADLEY ROUGH ROAD
DANBURY CT**

DATE: 12/09/11
SCALE: AS NOTED
JOB NO. 10045
**COMPOUND
PLAN AND
ELEVATION**

C-2
Sheet No. 3 of 3

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

December 12, 2011

Jose and Christina Carvalho
14 Indian Spring Road
Danbury, CT 06811

**Re: Proposed Shared Use of the Existing Telecommunications Facility at 52
Stadley Rough Road, Danbury, Connecticut**

Dear Mr. and Mrs. Carvalho:

Later this week, Cellco Partnership d/b/a Verizon Wireless ("Cellco") will file an application with the Connecticut Siting Council ("Council") pursuant to the provisions of Conn. Gen. Stat. § 16-50aa, to permit the shared use of the existing SBA telecommunications facility at 52 Stadley Rough Road in Danbury, Connecticut. Cellco's facility will consist of six (6) flush-mounted antennas at the 97-foot level on the existing tower. Radio equipment associated with Cellco's antennas and an emergency backup generator will be installed inside a 12' x 24' shelter located near the base of the tower. A copy of Cellco's project plans are attached for your review.

This notice is being sent to you pursuant to the requirements of paragraph 6 of a Stipulation for Judgment ("Stipulation") dated January 6, 2010, between the City of Danbury, Jose Carvalho and Christina Carvalho, as plaintiffs and the State of Connecticut Siting Council, OptaSite Towers LLC (now SBA Towers 2 LLC) and Omnipoint Communications, Inc., as defendants.

Due to the electric load requirements associated with its radio equipment and shelter heating and cooling systems, Cellco does not intend to utilize a fuel cell for its backup power supply. In lieu of a fuel cell, Cellco intends to install a natural gas-fired generator in a segregated 10' x 12' room inside its shelter. To address concerns raised in the original SBA application regarding generator noise, Cellco has incorporated, as a part of this proposal, significant noise attenuation measures to limit impacts on adjacent properties. These measures include the following.

1. Cellco will install a natural gas-fired generator rather than a more standard diesel or propane-fueled generator. Natural gas generators



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11423777-v1


Jose and Christina Carvalho
December 12, 2011
Page 2

operate at lower noise levels than diesel or propane generators. Cellco will extend a natural gas distribution service line underground from Stadley Rough Road to the cell site.

2. The backup generator will be located inside the equipment shelter.
3. The generator will run only when commercial power to the cell site is interrupted. The generator is "exercised" for a 15-20 minute period once a week, between 9am and 5pm. Cellco has some flexibility in its selection of generator cycling times if the neighbors, the City or the Siting Council have a particular preference.
4. In accordance with a Noise Analysis Report completed by HMB Acoustics, the generator will be equipped with exhaust mufflers and air intake and air discharge silencers to further reduce noise when the generator is running. Cellco also intends to install noise absorbing curtains on the inside of the stockade fence surrounding the facility compound. A copy of the HMB Acoustics report is also attached.

A copy of Cellco's Tower Share Application will be forwarded to you at the same time it is filed with the Council. If you have any questions regarding this proposal please feel free to contact me or the Siting Council directly.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Enclosures
Copy to:

Linda Roberts, Executive Director, Connecticut Siting Council
Melanie Bachman, Esq., Staff Attorney, Connecticut Siting Council
Sandy M. Carter



280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

December 12, 2011

Daniel E. Casagrande, Esq.
Cramer & Anderson LLP
30 Main Street, Suite 303
Danbury, CT 6810

Re: **Proposed Shared Use of the Existing Telecommunications Facility at 52
Stadley Rough Road, Danbury, Connecticut**

Dear Attorney Casagrande:

Later this week, Cellco Partnership d/b/a Verizon Wireless ("Cellco") will file an application with the Connecticut Siting Council ("Council") pursuant to the provisions of Conn. Gen. Stat. § 16-50aa, to permit the shared use of the existing SBA telecommunications facility at 52 Stadley Rough Road in Danbury, Connecticut. Cellco's facility will consist of six (6) flush-mounted antennas at the 97-foot level on the existing tower. Radio equipment associated with Cellco's antennas and an emergency backup generator will be installed inside a 12' x 24' shelter located near the base of the tower. A copy of Cellco's project plans are attached for your review.

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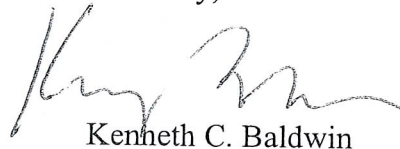
11434531-v1

Jose and Christina Carvalheiro
December 12, 2011
Page 2

1. Cellco will install a natural gas-fired generator rather than a more standard diesel or propane-fueled generator. Natural gas generators operate at lower noise levels than diesel or propane generators. Cellco will extend a natural gas distribution service line underground from Stadley Rough Road to the cell site.
2. The backup generator will be located inside the equipment shelter.
3. The generator will run only when commercial power to the cell site is interrupted. The generator is "exercised" for a 15-20 minute period once a week, between 9am and 5pm. Cellco has some flexibility in its selection of generator cycling times if the neighbors, the City or the Siting Council have a particular preference.
4. In accordance with a Noise Analysis Report completed by HMB Acoustics, the generator will be equipped with exhaust mufflers and air intake and air discharge silencers to further reduce noise when the generator is running. Cellco also intends to install noise absorbing curtains on the inside of the stockade fence surrounding the facility compound. A copy of the HMB Acoustics report is also attached.

A copy of Cellco's Tower Share Application will be forwarded to you at the same time it is filed with the Council. If you have any questions regarding this proposal please feel free to contact me or the Siting Council directly.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Enclosures
Copy to:

Linda Roberts, Executive Director, Connecticut Siting Council
Melanie Bachman, Esq., Staff Attorney, Connecticut Siting Council
Sandy M. Carter



280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

December 12, 2011

City of Danbury
155 Deer Hill Avenue
Danbury, CT 06810
Attn: Robin L. Edwards, Esq.

Re: **Proposed Shared Use of the Existing Telecommunications Facility at 52
Stadley Rough Road, Danbury, Connecticut**

Dear Attorney Edwards:

Later this week, Cellco Partnership d/b/a Verizon Wireless ("Cellco") will file an application with the Connecticut Siting Council ("Council") pursuant to the provisions of Conn. Gen. Stat. § 16-50aa, to permit the shared use of the existing SBA telecommunications facility at 52 Stadley Rough Road in Danbury, Connecticut. Cellco's facility will consist of six (6) flush-mounted antennas at the 97-foot level on the existing tower. Radio equipment associated with Cellco's antennas and an emergency backup generator will be installed inside a 12' x 24' shelter located near the base of the tower. A copy of Cellco's project plans are attached for your review.

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Jose and Christina Carvalheiro
December 12, 2011
Page 2

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4. In accordance with a Noise Analysis Report completed by HMB Acoustics, the generator will be equipped with exhaust mufflers and air intake and air discharge silencers to further reduce noise when the generator is running. Cellco also intends to install noise absorbing curtains on the inside of the stockade fence surrounding the facility compound. A copy of the HMB Acoustics report is also attached.

A copy of Cellco's Tower Share Application will be forwarded to you at the same time it is filed with the Council. If you have any questions regarding this proposal please feel free to contact me or the Siting Council directly.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Enclosures
Copy to:

Linda Roberts, Executive Director, Connecticut Siting Council
Melanie Bachman, Esq., Staff Attorney, Connecticut Siting Council
Sandy M. Carter



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Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

July 26, 2011

Jose and Christina Carvalho
14 Indian Spring Road
Danbury, CT 06811

**Re: Proposed Shared Use of the Existing Telecommunications Facility at 52
Stadley Rough Road by Cellco Partnership d/b/a Verizon Wireless**

Dear Mr. and Mrs. Carvalho:

Please excuse the formality of a letter but I wanted to reach out to you and try to set up a conference call so that we can discuss my client's plans to share the existing SBA telecommunications tower at 52 Stadley Rough Road.

I represent Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Cellco intends to file an application with the Connecticut Siting Council ("Council") to share the existing SBA telecommunications facility. Because the City of Danbury and you, as a neighbor to the existing facility, were involved in the Siting Council application process and subsequent appeal of the Siting Council's approval, I wanted to reach out to you before making that filing. I met with Robin Edwards and Dan Cassagrande at the City Attorney's Office last week.

Cellco intends to install six (6) flush-mounted antennas at the 96-foot level on the existing tower. Equipment associated with Cellco's antennas and an emergency back-up generator will be located inside a 12' x 24' equipment shelter installed on the ground near the base of the tower. Enclosed are copies of Cellco's lease exhibits showing the location of the proposed improvements.

I have reviewed the record in Council Docket No. 366 and the subsequent Stipulation of Judgment and I am aware of your concern for noise associated with the proposed telecommunication facility, particularly noise from any on-site backup generators. To address those concerns, Cellco has been working closely with its project engineers and noise consultants to eliminate, to the maximum extent possible any potential noise impacts associated with its generator.



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Jose and Christina Carvalho
July 26, 2011
Page 2

I would welcome the opportunity to speak with you regarding Cellco's proposed shared use of the SBA facility and its efforts to reduce any noise impacts related to its facility. Please contact my office, at your earliest convenience, so that we can arrange a time for a call. Thank you very much.

Sincerely,



Kenneth C. Baldwin

KCB/kj

Enclosures

Copy to:

Sandy M. Carter

Robin L. Edwards, Assistant Corporation Counsel

Dan Cassagrande

Linda Roberts



LEASE EXHIBIT

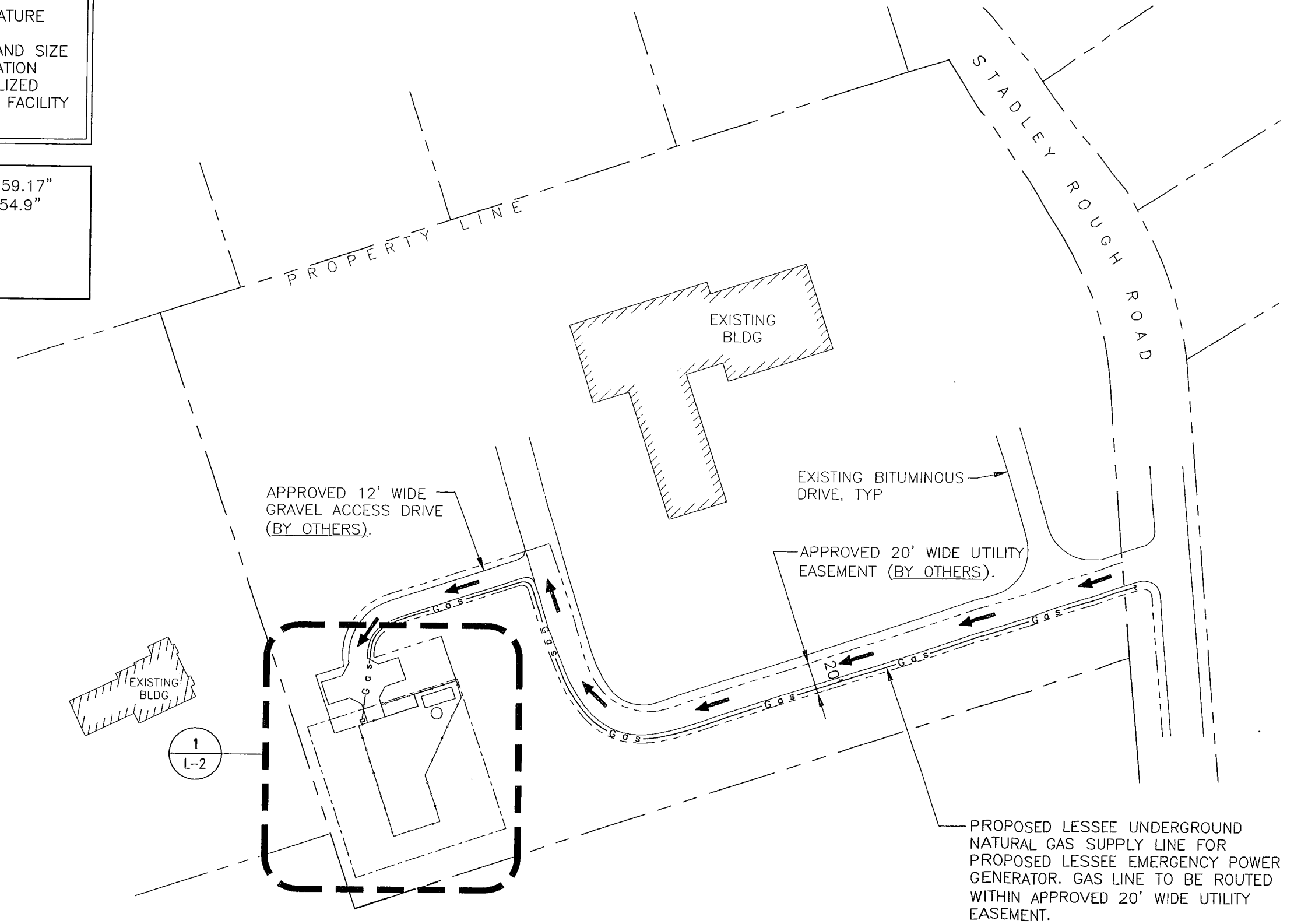
THIS LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF SITE SURVEY AND FACILITY DESIGN.

TOWER COORDINATES: LAT.: 41°-25'-59.17"
(REFERENCED FROM CSC DATABASE) LNG.: 73°-25'-54.9"

GROUND ELEVATION: 546' ± A.M.S.L.
(REFERENCED FROM TOPO MAP)

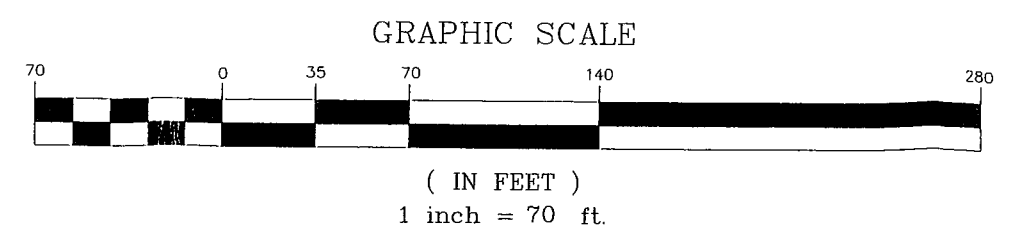
SYMBOLS LEGEND

➔ ROUTE OF PROPOSED LESSEE SITE ACCESS



1
L-1

SITE PLAN
SCALE: 1" = 70'



DESIGNED BY:	CFC			
DRAWN BY:	DMD			
CHK'D BY:	CFC			
REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
B	04/08/10	DMD	CFC	LEASE EXHIBIT
A	04/07/10	DMD	CFC	LEASE EXHIBIT - ISSUED FOR CLIENT REVIEW

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CEN TEK engineering
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www.CentekEng.com
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(203) 488-9587 Fax
63-2 North Branford Road, Branford, CT 06405

Cellco Partnership d/b/a Verizon Wireless
BROOKFIELD WEST, CT
52 STADLEY ROUGH ROAD
DANBURY, CT 06811

DATE: 04/01/10
SCALE: AS SHOWN
JOB NO. 10045

SHEET NO.
L-1

LEASE EXHIBIT

THIS LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF SITE SURVEY AND FACILITY DESIGN.

NOTES:

1. PROPOSED LESSEE EQUIPMENT SHELTER TO HOUSE A NATURAL GAS FUELED EMERGENCY POWER GENERATOR. GENERATOR TEST CYCLING TO BE SCHEDULED BETWEEN THE HOURS OF 9 AM AND 5 PM DURING WEEKDAYS ONLY.
2. FINAL GAS ROUTING AND METER LOCATION TO BE COORDINATED WITH LOCAL GAS PROVIDER. GAS LINE TO BE ROUTED UNDERGROUND FROM PROPOSED GAS METER TO PROPOSED LESSEE EQUIPMENT SHELTER (NOT SHOWN HEREIN).
3. PROPOSED LESSEE EQUIPMENT SHELTER TO HAVE PITCHED ROOF AND SIMULATED CEDAR SIDING.

PROPOSED LESSEE GAS METER.

PROPOSED LESSEE (1) 5'-0"x4'-6" AND (1) 4'-6"x4'-6" NON-EXCLUSIVE EASEMENTS (ENTRY STOOPS)

PROPOSED LESSEE 12'x24'± LEASE AREA (EQUIPMENT)

PROPOSED LESSEE 3' WIDE NON-EXCLUSIVE EASEMENT (GROUND RING)

FUTURE EQUIPMENT AND COAX CABLE ICE BRIDGE LOCATIONS, TYP. (BY OTHERS).

APPROVED 20' WIDE UTILITY/ACCESS EASEMENT (BY OTHERS).

PROPOSED LESSEE UNDERGROUND NATURAL GAS SUPPLY LINE FOR PROPOSED LESSEE EMERGENCY POWER GENERATOR. GAS LINE TO BE ROUTED WITHIN APPROVED 20' WIDE UTILITY EASEMENT.

APPROVED T-MOBILE PAD MOUNTED EQUIPMENT (BY OTHERS).

APPROVED 140' MONOPOLE TOWER (BY OTHERS).

PROPOSED LESSEE 3' WIDE NON-EXCLUSIVE EASEMENT (ICE BRIDGE)

APPROVED 100'x100' LEASE AREA (BY OTHERS).

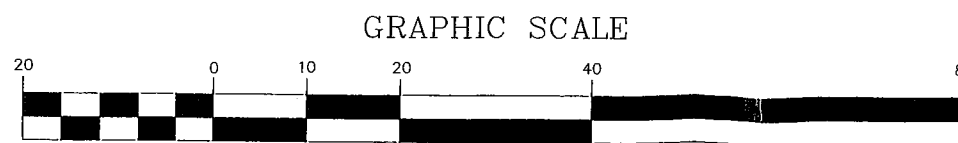
APPROVED 8' TALL WOOD FENCE (BY OTHERS).

APPROVED STONE COMPOUND SURFACE (BY OTHERS).

1
L-2

COMPOUND PLAN

SCALE: 1" = 20'



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

DESIGNED BY:	CFC	
DRAWN BY:	DMD	
CHK'D BY:	CFC	
REV.	DATE	DESCRIPTION
A	04/01/10	ISSUED FOR CLIENT REVIEW
B	04/06/10	LEASE EXHIBIT
C		LEASE EXHIBIT
D		LEASE EXHIBIT
E		LEASE EXHIBIT
F		LEASE EXHIBIT
G		LEASE EXHIBIT
H		LEASE EXHIBIT
I		LEASE EXHIBIT
J		LEASE EXHIBIT
K		LEASE EXHIBIT
L		LEASE EXHIBIT
M		LEASE EXHIBIT
N		LEASE EXHIBIT
O		LEASE EXHIBIT
P		LEASE EXHIBIT
Q		LEASE EXHIBIT
R		LEASE EXHIBIT
S		LEASE EXHIBIT
T		LEASE EXHIBIT
U		LEASE EXHIBIT
V		LEASE EXHIBIT
W		LEASE EXHIBIT
X		LEASE EXHIBIT
Y		LEASE EXHIBIT
Z		LEASE EXHIBIT

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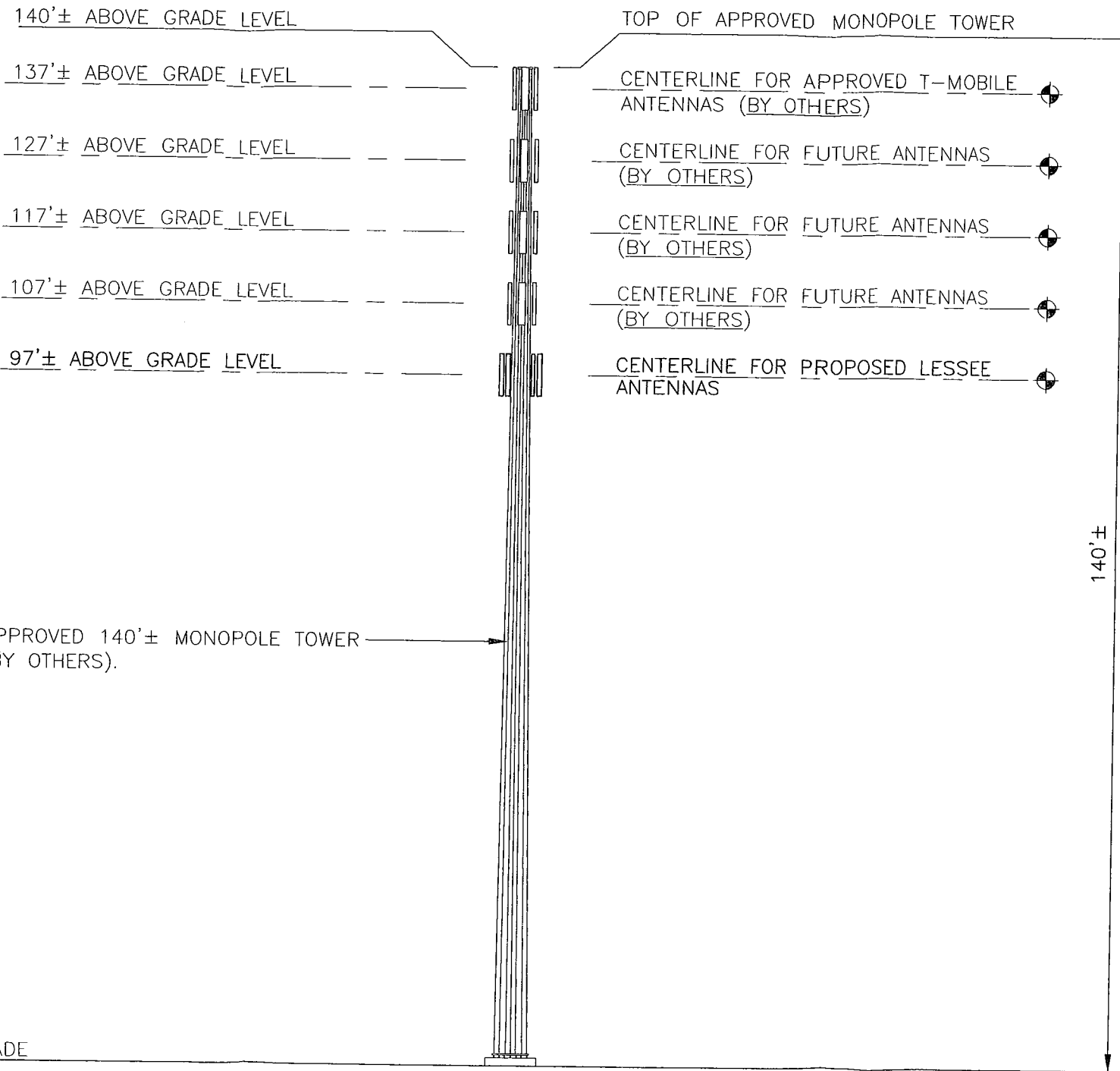
Cellco Partnership d/b/a Verizon Wireless
BROOKFIELD WEST, CT
52 STADLEY ROUGH ROAD
DANBURY, CT 06811

DATE: 04/01/10
SCALE: AS SHOWN
JOB NO. 10045

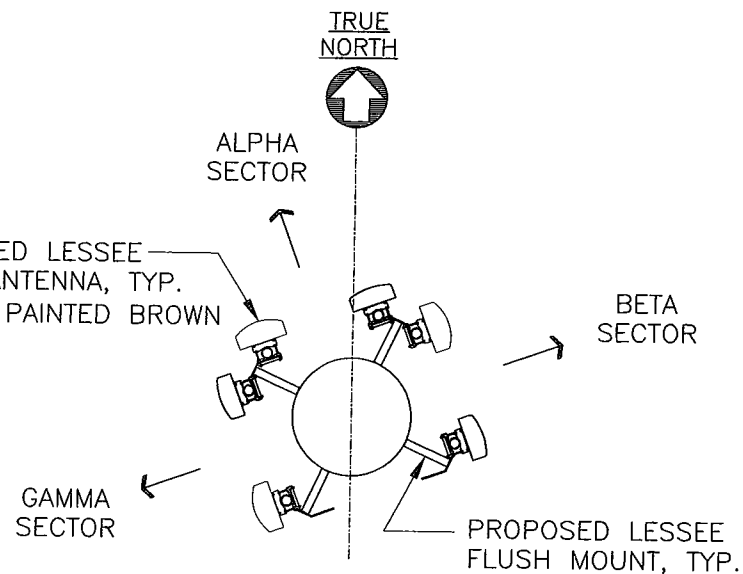
SHEET NO.
L-2

LEASE EXHIBIT

THIS LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF SITE SURVEY AND FACILITY DESIGN.



APPROVED 140'± MONOPOLE TOWER (BY OTHERS).

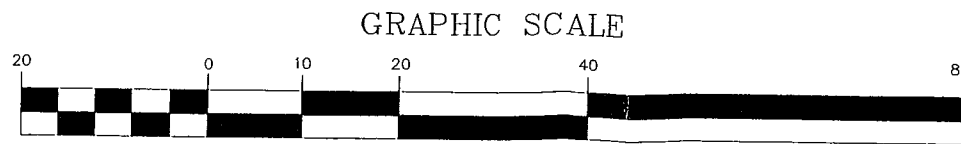


PROPOSED LESSEE ANTENNA MOUNTING CONFIG.

2
L-3

NOT TO SCALE

1
L-3
TOWER ELEVATION
SCALE: 1" = 20'



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

DESIGNED BY:	CFC			
DRAWN BY:	DMD			
CHK'D BY:	CFC			
REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
B	04/06/10	DMD	CFC	LEASE EXHIBIT
A	04/01/10	DMD	CFC	LEASE EXHIBIT - ISSUED FOR CLIENT REVIEW

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Centered on Solutions™
www.CenitekEng.com
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(203) 488-8587 Fax
632 North Branford Road, Branford, CT 06405

Cellco Partnership d/b/a Verizon Wireless
BROOKFIELD WEST, CT
52 STADLEY ROUGH ROAD
DANBURY, CT 06811
DATE: 04/01/10
SCALE: AS SHOWN
JOB NO. 10045

SHEET NO.
L-3

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

December 2, 2011

Robin L. Edwards, Esq.
Assistant Corporation Counsel
City of Danbury
155 Deer Hill Avenue
Danbury, CT 06810

**Re: Proposed Shared Use of the Existing Telecommunications Facility at 52
Stadley Rough Road, Danbury, Connecticut by Verizon Wireless**

Dear Ms. Edwards:

You, Dan Casagrande and I met last Summer to discuss my client's plans to install antennas and associated equipment at the existing telecommunications facility at 52 Stadley Rough Road in Danbury. Shortly after our meeting my client put this project on hold. The project has recently been reactivated and I have been authorized to proceed with our Connecticut Siting Council filing.

As you may recall, Verizon Wireless plans to file a tower share application with the Connecticut Siting Council so that it may install six (6) flush-mounted antennas at the 97-foot level of the existing monopole tower and a 12' x 24' shelter inside the fenced facility compound. The shelter will house Verizon Wireless' radio equipment and a back-up generator.

At our meeting, most of the discussion focused on the back-up generator due to the noise concerns raised by Mr. and Mrs. Carvalheiro during the initial SBA/Siting Council application. Given this sensitivity, Verizon Wireless has proposed substantial modifications to the generator unit and its shelter to reduce noise impacts as much as possible. You will recall those measures included: the use of a natural gas generator, which runs quieter than a diesel generator, and the installation of significant noise control measures (e.g. mufflers, silencers, noise reduction louvers) to reduce noise impacts on the neighbors. You also may recall from our discussion that the generator only runs when commercial power to the facility is interrupted.



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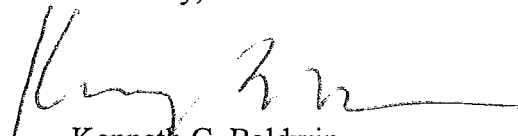
ROBINSON & COLE_{LLP}

Robin L. Edwards, Esq.
December 2, 2011
Page 2

Otherwise the generator is exercised only once a week for a period of approximately 15-20 minutes. Following our meeting last Summer, I attempted to contact Mr. and Mrs. Carneiro. I sent them a letter on July 26, 2011, to let them know of our plan to move forward with our Siting Council application. They did not respond. I will reach out to them again before we file with the Siting Council and will explain the noise attenuation measures Cellco intends to install.

Please feel free to contact me if you have any questions or concerns. I expect the formal notice of our filing will be sent out some time in the next two weeks.

Sincerely,



Kenneth C. Baldwin

KCB/kmd

Copy to:

Daniel E. Casagrande, Esq.
Sandy M. Carter



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Hartford, CT 06103-3597
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Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

December 5, 2011

Jose and Christina Carvalheiro
14 Indian Spring Road
Danbury, CT 06811

Re: **Proposed Shared Use of the Existing Telecommunications Facility at 52
Stadley Rough Road by Cellco Partnership d/b/a Verizon Wireless**

Dear Mr. and Mrs. Carvalheiro:

Last July 26, 2011, I sent you a letter regarding my client's intent to share the existing telecommunications tower at 52 Stadley Rough Road. A copy of that letter is attached. I expect to be filing my client's tower share application with the Connecticut Siting Council ("Council") within the next two weeks. Prior to doing that I wanted to check with you one more time to see if you had any questions regarding the proposed installation. Please contact me at the number listed above if you have any questions.

Sincerely,



Kenneth C. Baldwin



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Enclosure

Copy to:

Sandy M. Carter

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Hartford, CT 06103-3597
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Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

July 26, 2011

Jose and Christina Carvalheiro
14 Indian Spring Road
Danbury, CT 06811

Re: Proposed Shared Use of the Existing Telecommunications Facility at 52
Stadley Rough Road by Cellco Partnership d/b/a Verizon Wireless

Dear Mr. and Mrs. Carvalheiro:

Please excuse the formality of a letter but I wanted to reach out to you and try to set up a conference call so that we can discuss my client's plans to share the existing SBA telecommunications tower at 52 Stadley Rough Road.

I represent Cellco Partnership d/b/a Verizon Wireless ("Cellco"). Cellco intends to file an application with the Connecticut Siting Council ("Council") to share the existing SBA telecommunications facility. Because the City of Danbury and you, as a neighbor to the existing facility, were involved in the Siting Council application process and subsequent appeal of the Siting Council's approval, I wanted to reach out to you before making that filing. I met with Robin Edwards and Dan Cassagrande at the City Attorney's Office last week.

Cellco intends to install six (6) flush-mounted antennas at the 96-foot level on the existing tower. Equipment associated with Cellco's antennas and an emergency back-up generator will be located inside a 12' x 24' equipment shelter installed on the ground near the base of the tower. Enclosed are copies of Cellco's lease exhibits showing the location of the proposed improvements.

I have reviewed the record in Council Docket No. 366 and the subsequent Stipulation of Judgment and I am aware of your concern for noise associated with the proposed telecommunication facility, particularly noise from any on-site backup generators. To address those concerns, Cellco has been working closely with its project engineers and noise consultants to eliminate, to the maximum extent possible any potential noise impacts associated with its generator.



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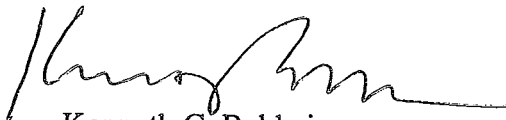
www.rc.com

11193590-v1

Jose and Christina Carvalheiro
July 26, 2011
Page 2

I would welcome the opportunity to speak with you regarding Cellco's proposed shared use of the SBA facility and its efforts to reduce any noise impacts related to its facility. Please contact my office, at your earliest convenience, so that we can arrange a time for a call. Thank you very much.

Sincerely,



Kenneth C. Baldwin

KCB/kj

Enclosures

Copy to:

Sandy M. Carter

Robin L. Edwards, Assistant Corporation Counsel

Dan Cassagrande

Linda Roberts



LEASE EXHIBIT

THIS LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF SITE SURVEY AND FACILITY DESIGN.

NOTES:

1. PROPOSED LESSEE EQUIPMENT SHELTER TO HOUSE A NATURAL GAS FUELED EMERGENCY POWER GENERATOR. GENERATOR TEST CYCLING TO BE SCHEDULED BETWEEN THE HOURS OF 9 AM AND 5 PM DURING WEEKDAYS ONLY.
2. FINAL GAS ROUTING AND METER LOCATION TO BE COORDINATED WITH LOCAL GAS PROVIDER. GAS LINE TO BE ROUTED UNDERGROUND FROM PROPOSED GAS METER TO PROPOSED LESSEE EQUIPMENT SHELTER (NOT SHOWN HEREIN).
3. PROPOSED LESSEE EQUIPMENT SHELTER TO HAVE PITCHED ROOF AND SIMULATED CEDAR SIDING.

PROPOSED LESSEE GAS METER.

PROPOSED LESSEE (1) 5'-0"x4'-6" AND (1) 4'-6"x4'-6" NON-EXCLUSIVE EASEMENTS (ENTRY STOOPS)

PROPOSED LESSEE 12'x24'± LEASE AREA (EQUIPMENT)

PROPOSED LESSEE 3' WIDE NON-EXCLUSIVE EASEMENT (GROUND RING)

FUTURE EQUIPMENT AND COAX CABLE ICE BRIDGE LOCATIONS, TYP. (BY OTHERS).

APPROVED 20' WIDE UTILITY/ACCESS EASEMENT (BY OTHERS).

PROPERTY LINE

Gas

PROPOSED LESSEE UNDERGROUND NATURAL GAS SUPPLY LINE FOR PROPOSED LESSEE EMERGENCY POWER GENERATOR. GAS LINE TO BE ROUTED WITHIN APPROVED 20' WIDE UTILITY EASEMENT.

APPROVED T-MOBILE PAD MOUNTED EQUIPMENT (BY OTHERS).

APPROVED 140' MONOPOLE TOWER (BY OTHERS).

PROPOSED LESSEE 3' WIDE NON-EXCLUSIVE EASEMENT (ICE BRIDGE)

APPROVED 100'x100' LEASE AREA (BY OTHERS).

APPROVED 8' TALL WOOD FENCE (BY OTHERS).

APPROVED STONE COMPOUND SURFACE (BY OTHERS).

1
L-2

COMPOUND PLAN

SCALE: 1" = 20'



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

DESIGNED BY:	CFC			
DRAWN BY:	DMD			
CHK'D BY:	CFC			
REV.	DATE	BY	DESCRIPTION	
B	04/06/10	DMD	CFC	LEASE EXHIBIT
A	04/01/10	DMD	CFC	LEASE EXHIBIT - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

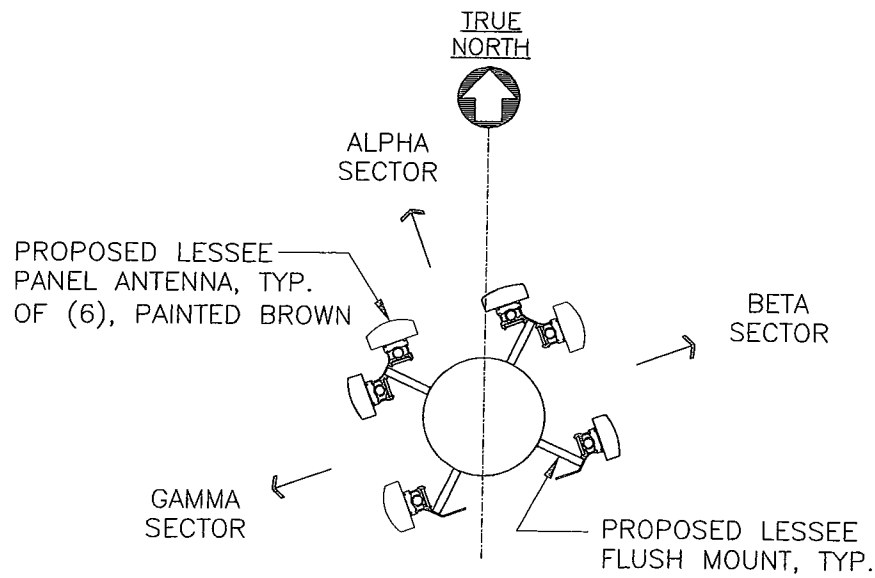
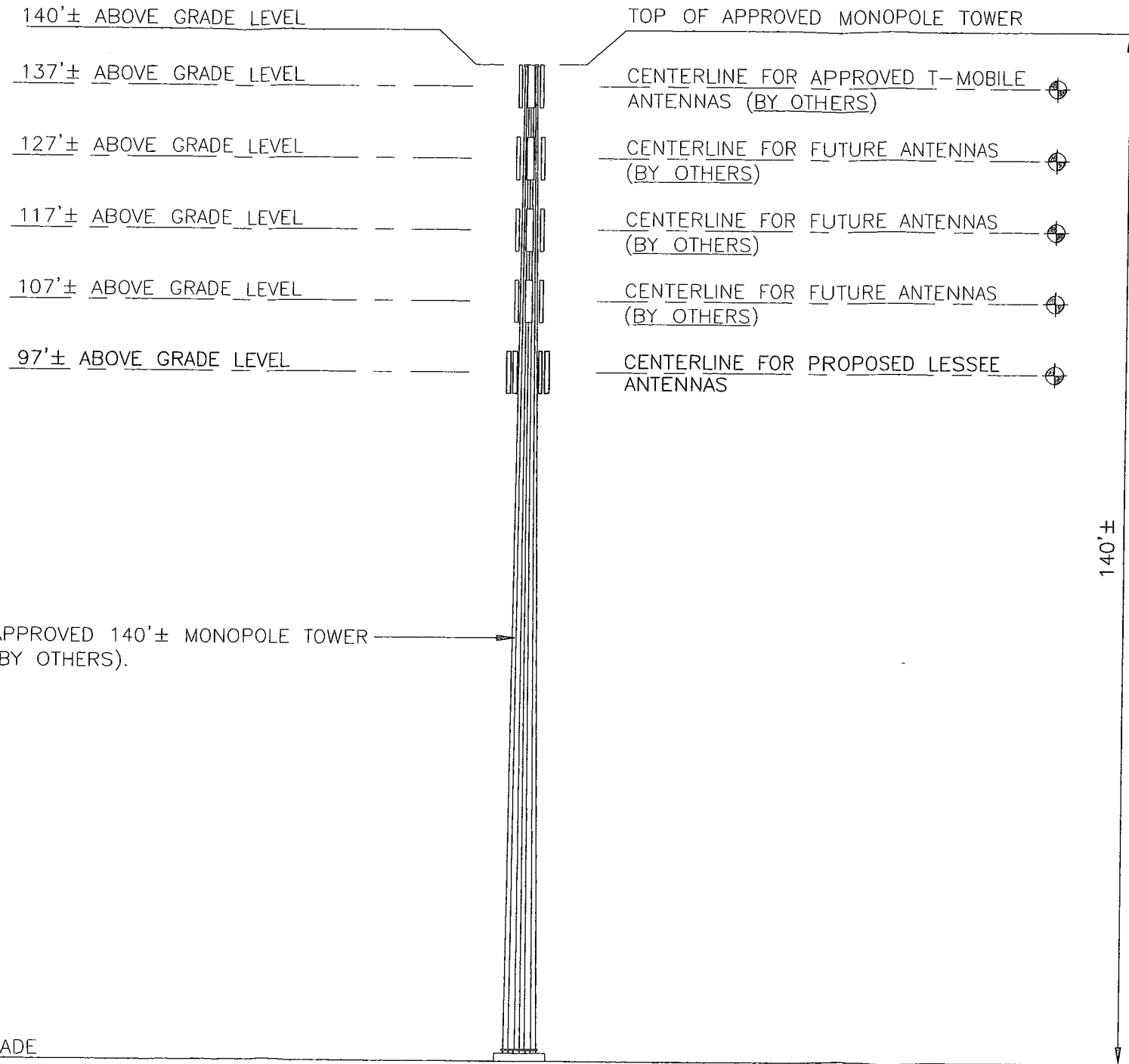
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Cellco Partnership d/b/a Verizon Wireless
BROOKFIELD WEST, CT
52 STADLEY ROUGH ROAD
DANBURY, CT 06811
DATE: 04/01/10
SCALE: AS SHOWN
JOB NO. 10045

SHEET NO.
L-2

LEASE EXHIBIT

THIS LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF SITE SURVEY AND FACILITY DESIGN.



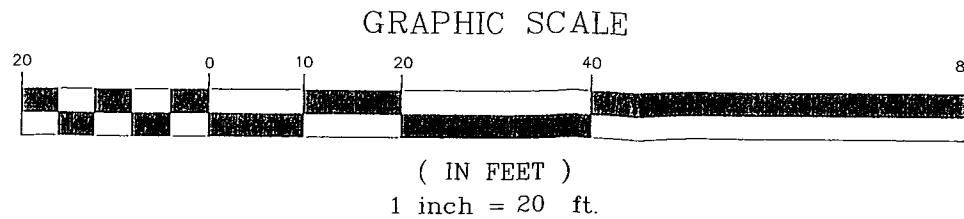
PROPOSED LESSEE ANTENNA MOUNTING CONFIG.

2

L-3

NOT TO SCALE

1 TOWER ELEVATION
L-3 SCALE: 1" = 20'



DESIGNED BY:	CFC	
DRAWN BY:	DMD	
CHK'D BY:	CFC	
REV.	DATE	DRAWN BY/CHK'D BY/DESCRIPTION
B	04/06/10	DMD CFC LEASE EXHIBIT - ISSUED FOR CLIENT REVIEW
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52 STADLEY ROUGH ROAD
DANBURY, CT 06811

DATE: 04/01/10
SCALE: AS SHOWN
JOB NO. 10045

SHEET NO.
L-3

Noise Analysis Report

**Emergency Generator and Air Conditioner
Verizon Wireless Equipment Shelter
Brookfield West
52 Stadley Rough Road
Danbury, Ct.**

July 29, 2011

**Prepared For:
Doug Drost
Project Engineer, Wireless
Centek Engineering, Inc.
63-2 North Branford Road
Branford, Ct.**

**Prepared By:
Allan Smardin
HMB Acoustics, LLC
3 Cherry Tree Lane
Avon, Ct.**

Introduction

Verizon Wireless has proposed a wireless telecommunications facility at 52 Stadley Rough Road in Danbury, Ct. Equipment associated with the facility will be located in a 12' x 24' shelter. The shelter maintains air-conditioning units to cool the Verizon Wireless radio equipment and a back-up generator which will run only when commercial power to the site is interrupted.

In rendering this report, I have reviewed site plans, and discussed current uses with project engineers. The specific focus of this noise evaluation is to reduce the noise levels to as low a level as practical.

It is important to note that the Verizon Wireless back-up generator operates for approximately 15-20 minutes each week for testing. All testing is done during the daytime hours. Other than these testing periods, the Verizon Wireless generator runs only in times of emergency, when commercial power to the facility is interrupted. Also, only one of the two air-conditioner units operates at any one time.

Noise Regulations

The City of Danbury, Ct. has enacted regulations which limit the amount of noise which may be transferred from one property to another. These Regulations utilize a dBA scale. This scale is used because it closely approximates the response characteristic of the human ear to loudness. A copy of the relevant portions of the noise regulations are attached to the report. In pertinent part the regulations provide as follows:

Definitions -

- daytime means the hours between 8 a.m. and 8 p.m., Monday thru Saturday, and the hours of 10 a.m. thru 8 p.m. on Sundays and holidays.

(Sec. 12-14 C (6))

- nighttime hours are between 8 p.m. and 8 a.m. Sunday evening thru Saturday

morning, except that "night" shall mean the hours between 8 p.m. Saturday and 10 a.m. on Sunday and 8 p.m. on the day preceding a recognized national holiday and 10 a.m. on said holiday.

(Sec. 12-14 C (7))

Noise Level Standards -

- At residential property lines
 - 55 dBA daytime
 - 45 dBA nighttime

(Sec. 12-14 (2))

Exclusions -

- "Noise created as a result of an emergency."

(Sec. 12-14 G (5))

Recommendations

I recommend that a Cowling Silencer be installed on both the air-discharge side of the shelter and on the air-intake side of the shelter. Both silencers should be downturned, as shown in Photo 1.

Based on the data taken with these silencers in place, at other sites, the resultant noise level reduction, when projected to the Brookfield West site, demonstrates compliance with the noise regulations at all property lines. The back-up generator and air-conditioner will not exceed the Danbury noise standards.

Although the noise levels that have been projected to the nearest property lines in four directions (North, South, East, and West), are well below the allowable noise levels set forth in the Danbury Noise Ordinance; the addition of acoustical absorption material on the interior surface of the fence; only in the Westerly and Southerly direction, will reduce the noise levels by an additional 6 dBA each. See TABLE 1.

I have enclosed manufacturer's information regarding the acoustical material for the inside surface of the fence.

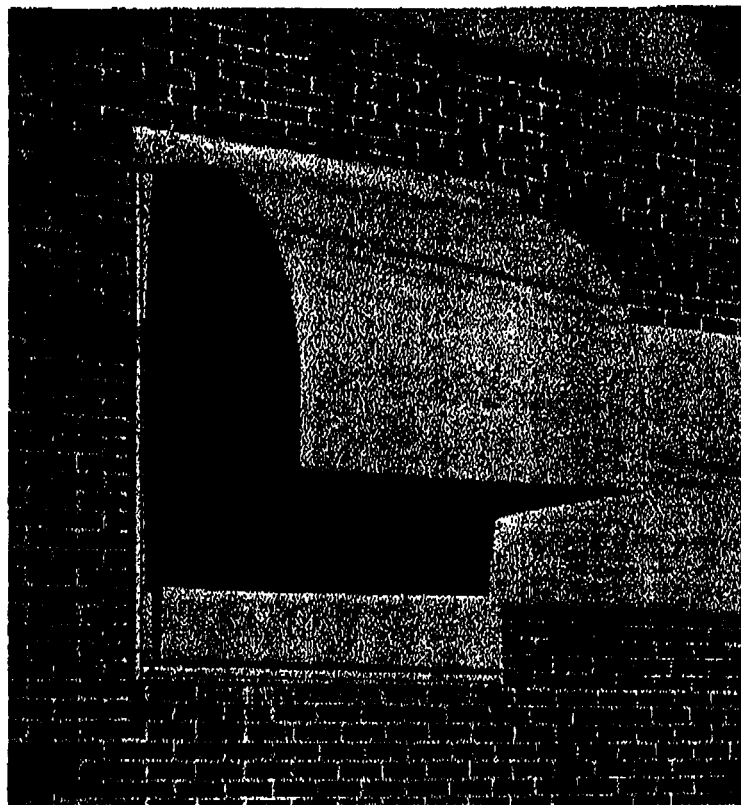
Conclusions

I have concluded that the Verizon Wireless facility will operate an average of six (6) dBA below the noise standards, after the acoustical recommendations have been installed. Additionally, since the generator will only operate beyond the normal weekly testing period of 15-20 minutes during an actual emergency, I believe that the generator also complies with the noise standards under the provision set forth in Sec. 12-14 G (5)). A copy of these noise standards are attached.

Brookfield West
52 Stadley Rough Road
Danbury, Ct.

TABLE 1

<u>Nearest Residential Property Line</u>	<u>Projected Noise Level (dBA)</u>
To the WEST	
- without acoustical material on the fence	42
- with acoustical material on the fence	36
To the SOUTH	
- without acoustical material on the fence	35
- with acoustical material on the fence	29
To the EAST	
- no additional acoustical treatment is recommended	29
To the NORTH	
- no additional acoustical treatment is recommended	26



The COWLING SILENCER

PHOTO 1



**SOUND SEAL SOUND CURTAINS
PROVIDE 2-WAY PROTECTION**

1. **Block** construction noise so project site is neighborhood-friendly
2. **Absorb** sound so it does not bounce-back noise to job site like concrete barriers or plywood

Sound Seal Noise Solutions
1-800-569-1294
www.SoundCurtains.com

DISTRIBUTION CENTER

Situation: Noise from truck engine idle

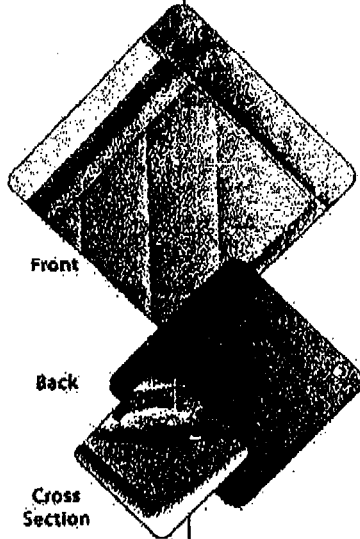
Sound Seal Solution: QFA-EXT-2"-D sound absorption panels, in straight-stitch panel installed to reduce noise



BBC-EXT-R-2"

Exterior Noise Barrier/
Sound Absorber Composite

Long - Term, Permanent



BBC-EXT-R-2" offers the benefits of both a noise barrier and a sound absorber composite in one product for outdoor applications. This barrier backed product consists of an exterior grade, UV resistant heavy-duty faced quilted fiberglass absorber bonded to a one-pound per sq. ft. reinforced loaded vinyl barrier. The heavy-duty facing is a 10 oz. per sq. yd. vinyl-coated-polyester (VCP) quilted to the sound absorber rather than the standard 4.5 oz. facing. Curtain panels are constructed with grommets across the top and bottom and exterior grade Velcro seals along the vertical edges, and are sewn with Gore Tenara exterior grade thread.

- STC 32 Rating, NRC .85
- Available facing colors on quilt: gray, tan, black
- Available barrier colors: gray, tan, olive drab or blue



Applications:

Typically used as modular curtain panels on long-term construction projects or permanent outdoor applications such as enclosing HVAC equipment, dust collectors or similar machinery behind a manufacturing plant where UV and abuse resistance as well as maximum durability, longevity and noise reduction is required. Also available with a one-inch thick quilted fiberglass absorber, or with a two-pound per sq. ft. reinforced barrier.

Product Data:

Description	Vinyl coated polyester facing on 2" quilted fiberglass/1 Lb.-psf reinforced loaded vinyl barrier
Nominal thickness	2.0 inches
Temperature range	-20° to +180° F
Standard panel width	54" wide, lengths as required up to 20 high
Weight	1.45 Lb. psf

Acoustical Performance:

Sound Transmission Loss

Octave Band Frequencies (Hz)							
Product	125	250	500	1000	2000	4000	STC
BBC-EXT-R-2"	13	20	29	40	50	55	32

ASTM E-90 & E-413

Sound Absorption Performance

Octave Band Frequencies (Hz)							
Product	125	250	500	1000	2000	4000	NRC
BBC-EXT-R-2"	.07	.27	.96	1.13	1.08	.99	.85

ASTM C 423

Both "R" and "N" style sound curtains are available with 1.0 inch or 2.0

CODE OF ORDINANCES City of DANBURY, CONNECTICUT**Sec. 12-14. Regulation of noise.**

- (a) *Statement of purpose.* The purpose of this section is to carry out and effectuate the public policy of the State of Connecticut, the federal government and the City of Danbury concerning the regulation of those activities causing measurably excessive noise and noise disturbance within the city limits of the City of Danbury. A second purpose is to protect the safety, health and general welfare of all its citizens as the people have a right to and should be ensured an environment free from excessive noise which may jeopardize their general welfare and quality of life.
- (b) *Enforcement.* In recognition of the rights of free peoples to perform their daily activities without undue governmental interference, enforcement of this section shall be in accordance with specified guidelines indicated and delineated in subsection (e) herein.
- (c) *Definitions.* The following definitions shall apply in the interpretation and enforcement of this section:
- (1) *Residential zone.* Single-family residence zones and multifamily residence zones, as defined by the zoning regulations of the City of Danbury, and all uses associated therewith, either permitted as of right or as specially excepted uses.
 - (2) *Commercial zone.* General commercial zones, light commercial zones, neighborhood commercial zones, all as defined in the zoning regulations of the City of Danbury, and all uses associated therewith, either permitted as of right or as specially excepted uses.
 - (3) *Industrial zone.* Industrial district, as defined by the zoning regulations of the City of Danbury.
 - (4) All other zones not included within subsections (1), (2) and (3) above
 - (5) *Impulse noise.* Sound of short duration, usually less than one second, with an abrupt onset and rapid decay.
 - (6) *Daytime hours.* Hours between 8:00 a.m. and 8:00 p.m., Monday through Saturday, and the hours 10:00 a.m. through 8:00 p.m. on Sundays and holidays.
 - (7) *Nighttime hours.* The hours between 8:00 p.m. and 8:00 a.m., Sunday evening through Saturday morning, except that "night" shall mean the hours between 8:00 p.m. Saturday and 10:00 a.m. on Sunday and 8:00 p.m. of the day preceding a recognized, national holiday and 10:00 a.m. on said holiday.
 - (8) *Decibel.* A logarithmic unit of measurement used in measuring magnitudes of sound. The symbol is dB.
 - (9) *Motor vehicle.* Defined as per section 14-1(30) of the Connecticut General Statutes.
 - (10) *Noise.* Any excessive sound or disturbance, the intensity of which exceeds the standards set forth in subsection (e) of this section.
 - (11) *Noise level.* The sound pressure level in decibels as measured with a sound level meter using the A-weighting network. The level so read is designated dB(A) or dBA.
 - (12) *Person.* Any individual, firm, partnership, association, syndicate, company, trust, corporation, agency or administrative subdivision of the state or other legal entity of any kind.
 - (13) *Premises.* Any building, structure, land or portion thereof, including all appurtenances, and shall include yards, lots, courts, inner yards and real properties without buildings or improvements owned or controlled by a person.
 - (14) *Property line.* That real or imaginary line along the ground surface and its vertical extension which separates real property owned or controlled by any person from contiguous real property owned or controlled by another person, and separates real property from the public right-of-way.
 - (15) *Sound.* A transmission of energy through solid, liquid or gaseous media in the form of vibrations which constitute alterations in pressure or position of the particles in

the medium and which in air evoke physiological sensations, including, but not limited to, an auditory response when impinging on the ear.

(16) *Sound level meter.* An instrument to take sound level measurements and which should conform, as a minimum, to the operational specifications of the American National Standards Institute for sound level meters.

(17) *Domestic power equipment.* Equipment including, but not limited to, power saws, snow removal equipment, drills, grinders, lawn and garden tools and other domestic power equipment intended for use in residential areas by a homeowner.

(18) *Construction.* Any site preparation, assembly, erection, substantial repair, alteration, or similar action, but excluding demolition, for or of private rights-of-way, structures, utilities or similar property.

(19) *Emergency work.* Any work made necessary to restore property to a safe condition following an emergency, or work required to protect persons or property from exposure to imminent danger.

(20). *Muffler.* A device for abating sounds such as escaping gases.

(d) *General prohibition.* It shall be unlawful for any person within the City of Danbury to make, continue or cause to be made or continued any loud, unnecessary, unusual or excessive noise, or any noise which either annoys, disturbs, injures or endangers the comfort, repose, health, peace or safety of others within the limits of the city as provided in subsection (e) herein. The following are acts specifically prohibited under this subsection (d):

(1) *Truck idling.* No person shall operate an engine or any standing motor vehicle with a weight in excess of ten thousand (10,000) pounds, manufacturer's gross vehicle weight (GVW), for a period in excess of ten (10) minutes when such vehicle is parked on residential property, or on non-residential property which is adjacent to residential property, or on a public street when such engine or vehicle is within one hundred (100) feet of residential property.

(2) *Discharging or exhaust from steam, gasoline or other engine without muffler device.*

(3) *Commercial construction, demolition, excavation and building operations before 7:00 a.m. Monday through Friday, before 8:00 a.m. Saturday, before 10:00 a.m. Sunday, and after 8:00 p.m. any day.*

(4) *Vehicle horns.* No person shall at any time sound any horn or other audible signal device of a motor vehicle unless it is necessary as a warning to prevent or avoid a traffic accident.

(5) *The creation within the city of any excessive noise in the vicinity of any school, institution of learning, church, court, hospital or nursing home while the same is in use which unreasonably interferes with the workings of such institution or which disturbs or unduly annoys patients in the hospital, provided conspicuous signs are displayed at or near such building indicating that the same is a school, institution of learning, church, court, hospital or nursing home. The noise standards relating to this item are set forth in subsection (e) herein.*

(c) *Noise levels and guidelines.* It shall be unlawful for any person to emit or cause to be emitted any noise beyond the boundaries of his/her premises in excess of the noise levels established in these regulations. Measurements shall be taken at a point that is located about one foot beyond the boundary of the emitter's premises within the receptor's premises. The emitter's premises includes his / her individual unit of land or ground of contiguous parcels under the same ownership, as indicated by public land records.

TABLE INSET:

Receptor's Zone	Noise Level	dBA
<u>Residential</u>	Daytime hours	55 dBA



	Nighttime	45 dBA
Commercial	Daytime hours	66 dBA
	Nighttime	62 dBA
Industrial	Daytime hours	70 dBA
	Nighttime	62 dBA

No person shall cause or allow the emission of impulse noise in excess of eighty (80) decibels peak sound pressure level during the nighttime to any residential noise zone. No person shall cause or allow the emission of impulse noise in excess of one hundred (100) decibels peak sound pressure level at any time in any zone.

(f) *Motor vehicle noise:*

(1) All motor vehicles operated within the city limits of the City of Danbury shall be subject to the noise standards and decibel levels set forth in the regulations authorized in sections 14-80a-1a through 14-80a-10a inclusive of the regulations of Connecticut state agencies.

(2) No sound-amplifying devices on or within motor vehicles shall emit noise in excess of the noise levels as specified in (e) hereof.

(g) *Exclusions.* Maximum noise levels established pursuant to subsection (e) hereof shall not apply to any noise emitted by or related to:

- (1) Natural phenomenon.
- (2) Any bell or chime from any building clock, school or church.
- (3) Any siren, whistle or bell lawfully used by emergency vehicles or any other alarm system used in an emergency situation; provided, however, that burglar alarms not terminating within thirty (30) minutes after being activated shall be unlawful and shall not be excluded hereunder.
- (4) Warning devices required by OSHA or other state or federal safety regulations.
- (5) Noise created as a result of an emergency.
- (6) Noise from domestic power equipment.
- (7) Activities specifically licensed or under permit from the City of Danbury, including, but not limited to, parades, sporting events, concerts and fireworks displays.
- (8) Noise from snow removal equipment.
- (9) Noise created by any aircraft flight operations.
- (10) Activities conducted by the city in a governmental capacity or the State of Connecticut or by the government of the United States.

(h) *Penalties.* Any persons in violation of any of the provisions of this section shall be fined in the amount of twenty-five dollars (\$25.00) for their first violation; fifty dollars (\$50.00) for a subsequent violation occurring within thirty (30) days of their first violation; and seventy-five dollars (\$75.00) for any subsequent violation occurring within thirty (30) days of any previous violation not including their first violation occurring pursuant to this subsection. Each day such violation continues after the time for correction of the violation has been given in an order shall constitute a separate violation. Notification of violation shall be given at the time of the occurrence of the noise or shortly thereafter in the form of a written notice of violation.

(i) *Enforcement.* The Danbury Police Department, as directed by the chief of police, shall enforce the provisions of this section pertaining to the measurement of noise levels and the issuance of notices of violation.

(j) *Variations.* Any person living or doing business in the City of Danbury may apply to the common council for a variance from one or more of the provisions of this section.

(k) *Effect of these provisions.* All provisions of the zoning regulations of the City of Danbury which are more stringent than those set forth herein shall remain in full force and effect and shall prevail over inconsistent provisions hereof.

(Code 1925, § 139; Ord. No. 346, 6-2-87; Ord. No. 543, 5-2-2000)



FDH Engineering, Inc., 2730 Rowland Rd. Raleigh, NC 27615, Ph. 919.755.1012, Fax 919.755.1031

**Structural Analysis for
SBA Network Services, Inc.**

139 ft Monopole

**Site Name: Danbury 1
Site ID: CT13549-S**

FDH Project Number 10-01091E S3

Prepared By:

James Mathewson III, EI
Project Engineer

Reviewed By:

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Vice President
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March 11, 2010

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EXECUTIVE SUMMARY

At the request of SBA Network Services, Inc., FDH Engineering, Inc. performed a structural analysis of the monopole located in Danbury, CT to determine whether the tower is structurally adequate to support both the existing and proposed loads, pursuant to the *Structural Standard for Antenna Supporting Structures and Antennas, ANSI/TIA-222-G*. Information pertaining to the soil parameters, proposed antenna loading, current tower geometry, and member sizes was obtained from Sabre Towers & Poles (Job No. 10-01206) Structural Design Report dated January 28, 2010, Tower Engineering Professionals (Project 091184.01) Subsurface Exploration Report dated May 13, 2009 and SBA Network Services, Inc.

The *basic design wind speed* per the *ANSI/TIA-222-G* standard is 100 mph without ice and 50 mph with 3/4" radial ice. Ice is considered to increase in thickness with height.

Conclusions

With the reserved and proposed antennas from Verizon at 97 ft, the tower meets the requirements of the *ANSI/TIA-222-G* standard, provided the **Recommendation** below is satisfied. Furthermore, provided the foundation is designed and constructed to support the original design reactions (see Sabre Job No. 10-01206), the foundation should have the necessary capacity to support the reserved and proposed loading. For a more detailed description of the analysis of the tower, see the **Results** section of this report.

Our structural analysis has been performed assuming all information provided to FDH Engineering, Inc. is accurate (i.e. the steel data, tower layout, reserved and proposed antenna loading) and that the tower will be properly erected and maintained per the original design drawings.

Recommendation

To ensure the requirements of the *ANSI/TIA-222-G* standard are met with the reserved and proposed loading in place, we have the following recommendation:

1. The proposed coax should be installed inside the monopole's shaft.

APPURTENANCE LISTING

The proposed antennas with their corresponding cables/coax lines are shown in **Table 1**. *If the actual layout determined in the field deviates from this layout, FDH Engineering, Inc. should be contacted to perform a revised analysis.*

Table 1 – Appurtenance Loading

Reserved Loading:

Antenna No.	Antenna Elevation (ft)	Description	Coax and Lines ¹	Carrier	Mount Elevation (ft)	Mount Type
1-6	137	(6) RFS APX16PV-16VL-E	(12) 1-5/8"	T-Mobile	137	Flush
7-12	127	(6) Decibel DB848H90E-XY	(12) 1-5/8"	Sprint	127	Flush
13-18	117	(3) Kathrein 800-10504 (3) Kathrein 742-351	(12) 1-5/8"	Metro PCS	117	Flush
19-23	109	(2) Dragonwave A-ANT-23G-2-C Dishes	(6) 5/16" (2) 1/2"	Clearwire	109	Flush
	107	(3) Argus LLPX310R (3) Samsung FDD-R6-RRH BTSs			107	Flush

¹ Coax installed inside the pole's shaft unless otherwise noted.

Proposed Loading:

Antenna No.	Antenna Elevation (ft)	Description	Coax and Lines	Carrier	Mount Elevation (ft)	Mount Type
1-6	97	(3) Decibel DB856DG65E-XY (3) Antel BXA-70063/6CF	(12) 1-5/8"	Verizon	97	Flush

RESULTS

Based on information obtained from the original design drawings, the yield strength of steel for individual members was as follows:

Table 2 - Material Strength

Member Type	Yield Strength
Tower Shaft Sections	65 ksi
Base Plate	50 ksi
Anchor Bolts	75 ksi

Table 3 displays the summary of the ratio (as a percentage) of force in the member to their capacities. Values greater than 100% indicate locations where the maximum force in the member exceeds its capacity. **Table 4** displays the maximum foundation reactions.

If the assumptions outlined in this report differ from actual field conditions, FDH Engineering, Inc. should be contacted to perform a revised analysis. Furthermore, as no information pertaining to the allowable twist and sway requirements for the proposed appurtenances was provided, deflection and rotation were not taken into consideration when performing this analysis.

See the **Pole Profile** and **Base Level Sketch** for detailed modeling information.

Table 3 – Summary of Working Percentage of Structural Components

Section No.	Elevation ft	Component Type	Size	% Capacity	Pass Fail
L1	139 - 98.75	Pole	TP25.3x16x0.1875	36.2	Pass
L2	98.75 - 48.5	Pole	TP36.53x24.1741x0.25	59.9	Pass
L3	48.5 - 0	Pole	TP47.23x34.933x0.3125	59.8	Pass
		Anchor Bolts	(12) 2.25" \emptyset w/ 53.5" BC	51.6	Pass
		Base Plate	51.5" x 51.5" x 2.75" Thk	47.7	Pass

Table 4 – Maximum Base Reactions

Base Reactions	Current Analysis (ANSI/TIA-222-G)*	Original Design (TIA/EIA-222-F)
Axial	25 k	22 k
Shear	19 k	21 k
Moment	1,723 k-ft	2,074 k-ft

* Current analysis reactions are within an allowable factor of 1.35 when the original design reactions are based on an allowable stress design per ANSI/TIA-222-G.

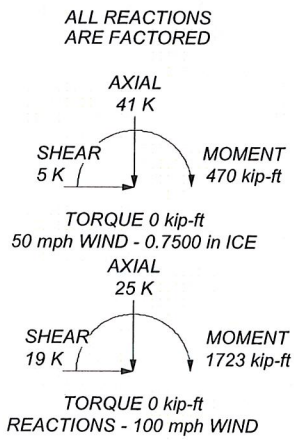
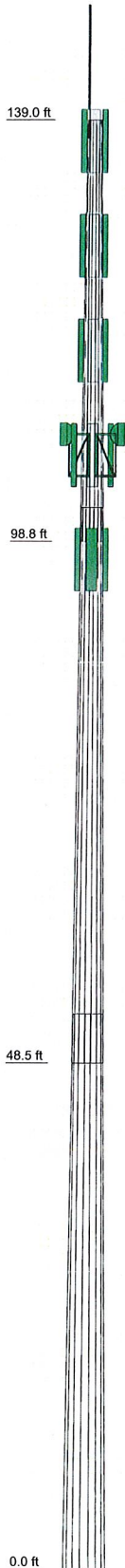
GENERAL COMMENTS

This engineering analysis is based upon the theoretical capacity of the structure. It is not a condition assessment of the tower and its foundation. It is the responsibility of SBA Network Services, Inc. to verify that the tower modeled and analyzed is the correct structure (with accurate antenna loading information) modeled. If there are substantial modifications to be made or the assumptions made in this analysis are not accurate, FDH Engineering, Inc. should be notified immediately to perform a revised analysis.

LIMITATIONS

All opinions and conclusions are considered accurate to a reasonable degree of engineering certainty based upon the evidence available at the time of this report. All opinions and conclusions are subject to revision based upon receipt of new or additional/updated information. All services are provided exercising a level of care and diligence equivalent to the standard and care of our profession. No other warranty or guarantee, expressed or implied, is offered. Our services are confidential in nature and we will not release this report to any other party without the client's consent. The use of this engineering work is limited to the express purpose for which it was commissioned and it may not be reused, copied, or distributed for any other purpose without the written consent of FDH Engineering, Inc.

Section	1	2	3	13.3
Length (ft)	40.25	53.50	53.25	53.25
Number of Sides	18	18	18	18
Thickness (in)	0.1875	0.2500	0.3125	0.3125
Socket Length (ft)	3.25	4.75	34.9330	47.2300
Top Dia (in)	16.0000	24.1741	34.9330	47.2300
Bot Dia (in)	25.3000	36.5300	47.2300	47.2300
Grade		A572-65		
Weight (K)	1.7	4.3	7.3	13.3



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod	140	8'-6" x 4" Pipe Mount	107
(2) APX16PV-16VL-E w/ mount pipe	137	LLPX310R	107
(2) APX16PV-16VL-E w/ mount pipe	137	LLPX310R	107
(2) APX16PV-16VL-E w/ mount pipe	137	LLPX310R	107
(2) DB848H90E-XY w/ mount pipe	127	FDD-R6-RRH BTS	107
(2) DB848H90E-XY w/ mount pipe	127	FDD-R6-RRH BTS	107
(2) DB848H90E-XY w/ mount pipe	127	FDD-R6-RRH BTS	107
800-10504 w/ mount pipe	117	8'-6" x 4" Pipe Mount	107
800-10504 w/ mount pipe	117	8'-6" x 4" Pipe Mount	107
800-10504 w/ mount pipe	117	BXA-70063/6CF w/ mount pipe	97
742-351 w/ mount pipe	117	DB856DG65E-XY w/ mount pipe	97
742-351 w/ mount pipe	117	DB856DG65E-XY w/ mount pipe	97
742-351 w/ mount pipe	117	DB856DG65E-XY w/ mount pipe	97
A-ANT-23G-2-C Dish	109	BXA-70063/6CF w/ mount pipe	97
A-ANT-23G-2-C Dish	109	BXA-70063/6CF w/ mount pipe	97

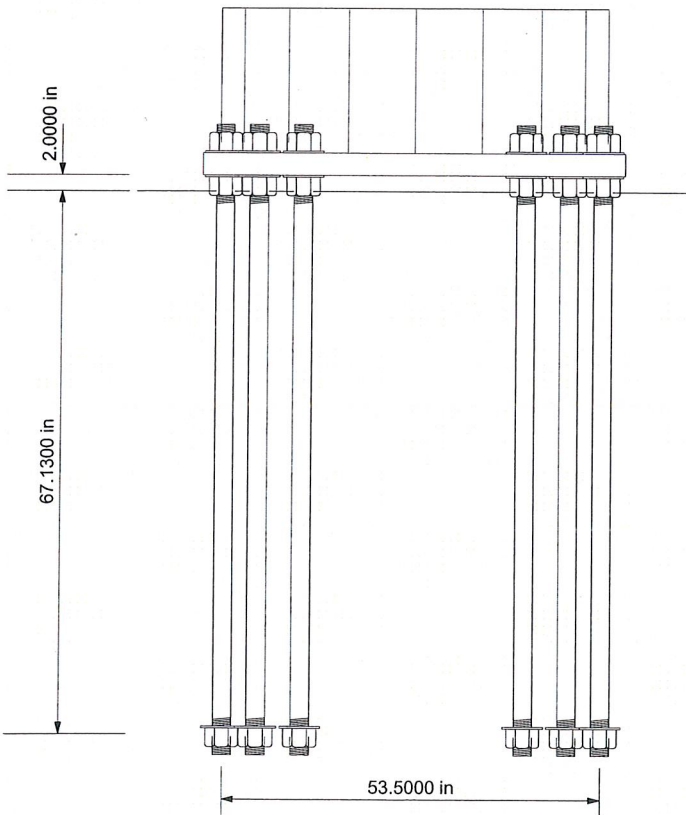
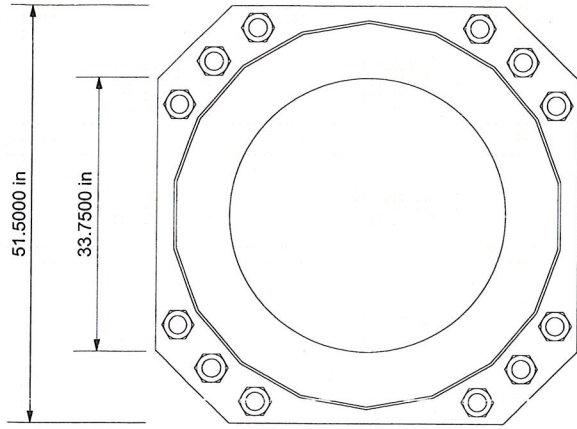
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES


1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 100 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 50 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TIA-G Addendum 2, Table 4-8 was used in this analysis.
9. TOWER RATING: 59.9%

<p>FDH Engineering, Inc. 2730 Rowland Road Raleigh, North Carolina Phone: (919) 755-1012 FAX: (919) 755-1031</p>	Job: Danbury 1, CT13549-S
	Project: 10-01091E S3
	Client: SBA Network Services, Inc. Drawn by: James Mathewson III App'd:
	Code: TIA-222-G Date: 03/11/10 Scale: NTS
	Path: Dwg No. E-1



FOUNDATION NOTES

1. Plate thickness is 2.7500 in.
2. Plate grade is A572-50.
3. Anchor bolt grade is A615-75.
4. f_c is 4 ksi.

 FDH Engineering, Inc. 2730 Rowland Road Raleigh, North Carolina Phone: (919) 755-1012 FAX: (919) 755-1031 Tower Analysis	Job: Danbury 1, CT13549-S
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	Code: TIA-222-G
Drawn by: James Mathewson III	App'd:
Date: 03/11/10	Scale: NTS
Path:	Dwg No. F-1

Site Name: Brookfield W		General		Power		Density							
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total					
*T-Mobile	8	162	137	0.0248	1945	1.0000	2.48%						
*Clearwire	2	153	107	0.0096	2496	1.0000	0.96%						
*Clearwire	1	211	109	0.0064	18 GHz	1.0000	0.64%						
*MetroPCS	3	443.61	117	0.0350	2140	1.0000	3.50%						
Verizon PCS	11	274	97	0.1152	1970	1.0000	11.52%						
Verizon Cellular	9	273	97	0.0939	869	0.5793	16.21%						
Verizon AWS	1	670	97	0.0256	2145	1.0000	2.56%						
Verizon 700	2	866	97	0.0662	698	0.4653	14.22%						52.09%
* Source: Siting Council													