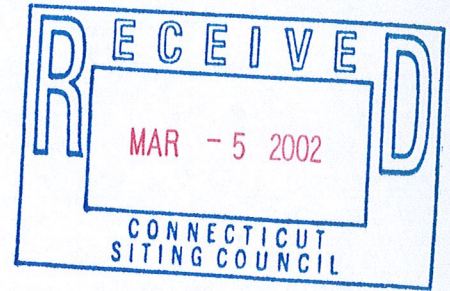


Radio Communications Service Co.

24 ROCKDALE ROAD • WEST HAVEN, CT 06516 • 203-933-2432

March 1, 2002

City of Bridgeport Zoning Department
C/o William Shaw
45 Lyon Terrace
Room 206
Bridgeport, CT 06604



Re: Zoning Approval and Compliance
623 Pine Street, Bridgeport CT

Dear Mr. Shaw,

I am writing herein to confirm my understanding of our recent phone conversation today.

1) You stated that you had a talk with Melanie Howlett the City Attorney, regarding 623 Pine Street where my radio tower is located.

2) You stated that based upon the conversation with Ms. Howlett, and based upon the outcome of "issues" yet to be resolved, there would be no issuance of Zoning Approval.

3) You also said that Ms. Howlett went on to say that she would welcome my attorney to talk to her concerning the, "issues".

4) I indicated to you that there would be correspondence concerning this matter being forwarded from the Connecticut Siting Council.

If this is not your understanding of our conversation, please contact me.

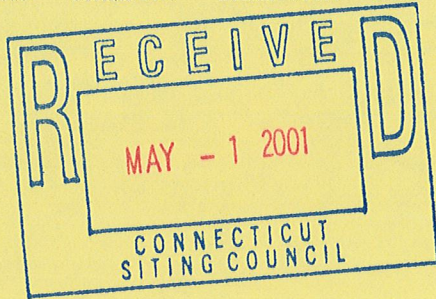
Sincerely,

Robert Knapp
Property Owner, 623 Pine Street

cc: Derek Phelps, Connecticut Siting Council

ROBINSON & COLE LLP

HARTFORD • STAMFORD • GREENWICH • NEW YORK • BOSTON



LAW OFFICES
www.rc.com

280 Trumbull Street
Hartford, CT 06103-3597
860-275-8200
Fax 860-275-8299

Kenneth C. Baldwin
860-275-8345
kbaldwin@rc.com

April 30, 2001

Via Facsimile

Robert L. Marconi
Assistant Attorney General
Attorney General's Office
State of Connecticut
10 Franklin Square
New Britain, CT 06051

**Re: City of Bridgeport - Existing Telecommunications Tower Located at 623 Pine Street,
Bridgeport, Connecticut**

Dear Bob:

Thank you for taking the time to talk with me last week regarding our problems in Bridgeport. As you requested, I have attached two letters from Assistant City Attorney Melanie Howlett. The first letter, dated August 30, 2000, was written to the Council in response to the Verizon Wireless and VoiceStream Wireless tower share petitions. Both petitions were approved by the Council. A similar petition was filed by Metricom Incorporated and was also approved by the Council. The second letter from Attorney Howlett dated April 11, 2001, is in response to a more recent Nextel Communications, Inc. filing for shared use of the same tower.

As we discussed and as you know, Verizon Wireless disagrees with Attorney Howlett's position that the Council does not have exclusive jurisdiction over the shared use of the existing tower. Notwithstanding that position, Verizon Wireless filed a local Site Plan Application to appease the City. Much to our chagrin, the application for a simple co-location approval was denied. The only reason given by the Planning and Zoning Commission for denying the application was that information regarding the tower's capability to support the proposed antennas (structural analysis) was inconsistent with the site plan proposal.

Verizon Wireless intends to appeal this decision in U.S. District Court. Our claims will likely include a number of State administrative law claims as well as claims under the Federal Telecommunications Act of 1996. In addition, we are filing a request for reconsideration with the City Planning and Zoning Commission. We intend to provide the Commission with an updated structural analysis verifying that the tower is capable of supporting the existing

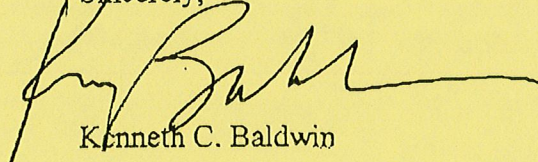
ROBINSON & COLE LLP

Robert L. Marconi
April 30, 2001
Page 2

antennas, and the proposed Verizon Wireless, Metricom, VoiceStream and Nextel antenna. The Planning and Zoning Commission will not consider this request until their meeting of May 29, 2001.

We would welcome the participation of the Attorney General's Office, most importantly on the issue of the Siting Council's jurisdiction. I will speak with you again shortly to discuss how the Attorney General's Office could become involved in the case. I appreciate your time and consideration.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Attachment

cc: Sandy M. Carter
J. Brendan Sharkey, Esq.
David I. Bass, Esq.
Joel M. Rinebold

CITY OF BRIDGEPORT
OFFICE OF THE CITY ATTORNEY

999 Broad Street
Bridgeport, Connecticut 06604-4328



CITY ATTORNEY
Mark T. Anastasi

DEPUTY CITY ATTORNEY
John D. Guman, Jr.

ASSOCIATE CITY ATTORNEYS

John H. Barton
John P. Bqhannon, Jr.
Barbara Brazzel-Massaro
Russell D. Liskov
John R. Mitola
Ronald J. Pacacha

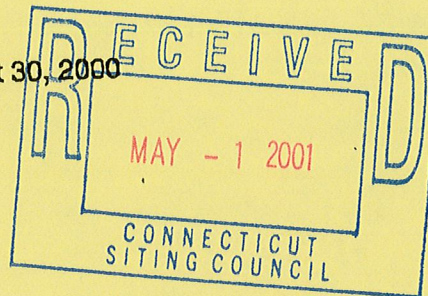
ASSISTANT CITY ATTORNEYS

Melanie J. Howlett
Arthur C. Laska III
R. Christopher Meyer
John I. Robaczynski
Stephen J. Sedensky, Jr.

LEGAL ADMINISTRATOR
Kathleen Pacacha

Telephone (203) 576-7647
Facsimile (203) 576-8252

August 30, 2000



Via Facsimile and Overnight Mail

Joel M. Rinebold, Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: Petition No. TS-VOICESTREAM-015-000808 - VoiceStream Wireless request for an order to approve tower sharing at an existing telecommunications tower at 623 Pine Street, Bridgeport, Connecticut

Petition No. TS-BAM -015-000807 - Cellco Partnership d/b/a Verizon Wireless request for an Order to approve tower sharing at an existing telecommunications tower located at 623 Pine Street, Bridgeport, Connecticut

Dear Mr. Rinebold:

I am in receipt on August 22, 2000, of your letter dated August 21, 2000, and the Notice of Meeting Agenda for August 31, 2000, regarding the applications noted above ("Petitions") as filed by VoiceStream Wireless, formerly known as Omnipoint Communications, Inc., and Verizon Wireless, formerly known as Bell Atlantic Mobile ("Petitioner") together the ("Petitioners"); to install antennas and equipment at an existing tower located at 623 Pine Street, Bridgeport, Connecticut ("Tower"). The Petitioners have forwarded a copy of their respective Petitions to the City of Bridgeport ("City") and they was received in my office on August 11, 2000, and August 24, 2000, respectively. Please enter my appearance in these matters on behalf of the City.

The City has reviewed the Petitions and finds that we have the following objections and conditions to their approval, as set forth below.

- The Site Plan for the Tower was approved by the City's Planning & Zoning Commission on September 28, 1998, limited to the installation of certain equipment as set forth in that application, and further discussed below. The City has continuing jurisdiction over the activities at this location.
- The Tower is not an existing telecommunications tower, and may or may not be a facility that is being used for transmitting and receiving signals in the electromagnetic spectrum pursuant to a Federal Communications ("FCC") license, in accordance with Section 16-50aa(b) of the General Statutes of Connecticut.

- The Petitions should clearly state that the equipment on the existing tower used by the unnamed "Radio Communications Company" transmits and receives signals in the electromagnetic spectrum. The City believes that the paging equipment and/or television transmitter used by this "Company" may not meet this definition. Since the Petitions are silent on this issue, the City is just not sure. If this is not the case, the Siting Council does not have jurisdiction over this matter, pursuant to Section 16-50aa of the General Statutes of Connecticut, and then one of the Petitioners must first obtain approval from the City Planning & Zoning Commission to place its antennas and equipment on and/or at the Tower. Once such an application has been approved, and the antennas and equipment has been installed, your Agency would have jurisdiction to review and approve additional requests for tower sharing from other telecommunication providers (including the other Petition under review by your Agency if that entity chooses not to return to the Planning & Zoning Commission at this time.
- The Petitions do not include a copy of the license issued by the FCC to the unnamed radio communications company that owns the Tower (Paging Associates) as required by Section 16-50aa(c)(1) of the General Statutes of Connecticut, and, therefore, the Petition, as filed, is incomplete. The City objects to the review of an incomplete application.
- The Petitions do not include the completed form executed by the owner of the Tower which indicates that the owner is in agreement with the proposed shared use of the facility, as required by Section 16-50aa(c)(1) of the General Statutes of Connecticut, and, therefore, the Petition, as filed, is incomplete. The City objects to the review of an incomplete application.
- The Petitions do not indicate why the antennas and equipment are needed at this time. Generally, there are two reasons for such requests: to eliminate a dead zone in coverage to serve existing customers, or to increase capacity for anticipated new customers. The City, upon the submission of the proper engineering data indicating how this location will eliminate the dead zone, does not object to the approval of a completed petition on those grounds, if that petition is properly before your Agency as discussed above. However, the City also believes that requests for tower sharing to address future capacity require an intense review to insure that the "need" is current or imminent, and is confined to this municipal area. The City finds it difficult to believe that Verizon Wireless has a current need of twelve (12) antennas to serve customers in the Bridgeport area. The City objects to the approval of these Petitions until this information has been verified by your Agency.
- The prior Site Plan approved by the Planning and Zoning Commission did not consider the safety and environmental impact of additional antennas on this Tower because, at that time, there was insufficient information provided regarding the nature of any such future requests for additional equipment at this site. It was anticipated that such a review would occur during future applications to amend the Site Plan. The approval of the use of this site by the Planning & Zoning Commission was specifically limited to the installation of equipment on the Site Plan that belongs to the current owner. (See attached letter from my office dated May 1, 2000, to the Attorney for Paging Associates.) The City requests a clarification as to whether or not the chart that appears on page 3 of the Petition filed by Verizon Wireless indicates the total combined electromagnetic radiation levels for all the antennas requested by both Petitioners and the existing equipment currently located on the Tower.
- The location at 623 Pine Street requires an amendment to the Site Plan previously approved by the Planning and Zoning Commission of the City of Bridgeport in order to modify the Tower base for the installation by multiple users of equipment that is necessary to power the antennas. See attached Decision and Exhibit filed by Paging Associates in the Site Plan Application to the P&Z Commission. Additional fencing may be required at this location if the application for approval of an Amended Site Plan indicates the proposed installation of additional antennas on the Tower described in this Petition.

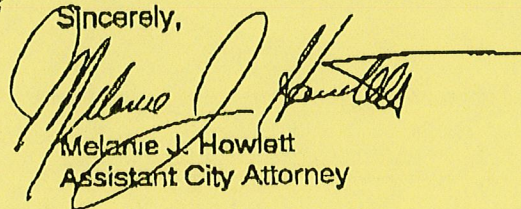
- The permit for air emissions for the back-up generator falls under the jurisdiction of the State Department of Environmental Protection as well as the City's Planning & Zoning Commission. The City does not believe that the Siting Council can approve the Verizon Wireless Petition without requiring that Petitioner to obtain proper State and Local permits and approvals before installation.
- The City objects to the issuance of an approval in any name that does not mirror the name that appears on the wireless telecommunications license issued by the FCC and will only issue building permits to a FCC license holder that obtains approval from your Agency. Accordingly, we request that your Agency require the submission of written verification that Omnipoint's FCC license has been transferred to VoiceStream and that such a transfer has been approved by that Federal Agency.
- The approval of this Petition, if granted, should not be issued to the unnamed radio communications company but in the name of the appropriate wireless communications company.
- If and when the Petitions have been properly filed, the City's Planning & Zoning Commission and the Siting Council have overlapping jurisdiction over these matters.
- The issuance of a building permit is required and will be conditioned upon the Petitioner obtaining and maintaining a performance bond for the future removal of its equipment, if it remains out of service for a period of six (6) months, in an amount to be determined by the Office of the City Attorney based on estimated installation and removal costs to be prepared by the Petitioner.

The City respectfully requests that the review of these Petitions be continued until a future Agenda, without prejudice, for the reasons set forth above. In addition, if completed Petitions are submitted to the Siting Council, the City reserves the right to submit additional comments on these matters.

Finally, the City requests that any approval granted of these Petitions by this Agency specifically state that the Petitioners and or the site must obtain all local permits/approvals prior to the installation of additional telecommunications equipment on the Tower at this site.

If you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,



Melanie J. Howlett
Assistant City Attorney

Enc.

Cc: William Shaw - Bridgeport Clerk Planning & Zoning Commission
Brendan Sharkey, Attorney for VoiceStream
Sandy M. Carter, Manager Regulatory, Verizon Wireless
Ken Baldwin, Robinson & Cole for Verizon Wireless

CITY OF BRIDGEPORT
OFFICE OF THE CITY ATTORNEY

999 Broad Street
Bridgeport, Connecticut 06604-4328



Bridgeport

CITY ATTORNEY
Mark T. Anastasi

DEPUTY CITY ATTORNEY
John D. Guman, Jr.

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Raymond B. Rubens
Stephen J. Sedensky, Jr.

LEGAL ADMINISTRATOR
Kathleen Pacacha

Telephone (203) 576-7647
Facsimile (203) 576-8252

April 11, 2001

Via Facsimile and Overnight Mail

Joel M. Rinebold, Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

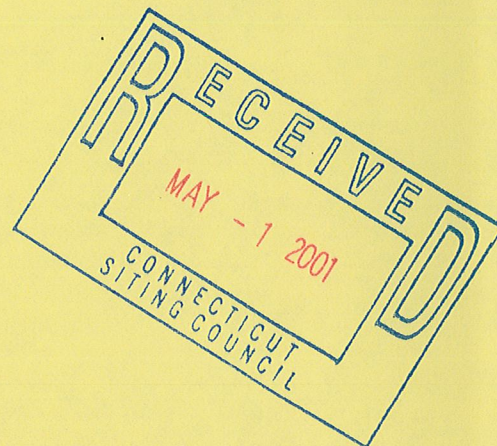
Re: Petition No. TS-NEXTELL-015-010327 – Nextell Communications, Inc.
Notice of Intent to Modify an Existing Telecommunications facility located
at 623 Pine Street, Bridgeport, CT

Dear Mr. Rinebold:

I am in receipt on March 30, 2001, of your letter dated March 29, 2001, and on April 6, 2001, of the Notice of Meeting Agenda for April 12, 2001, regarding the application noted above ("Petition") filed by Nextell Communications, Inc. ("Nextell"), to modify an existing telecommunications facility located at 623 Pine Street, Bridgeport, Connecticut ("Tower"). Please enter my appearance in this matter on behalf of the City of Bridgeport ("City").

The City has reviewed the Petition and finds that we have the following objections and conditions to its approval, as set forth below.

- The Site Plan for the Tower was approved by the City's Planning & Zoning Commission on September 28, 1998, limited to the installation of certain equipment as set forth in that application, and further discussed below. The City has continuing jurisdiction over the activities at this location.



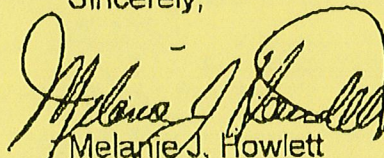
- The prior Site Plan approved for the property owners of 923 Pine Street by the Planning and Zoning Commission did not consider the safety and environmental impact of additional antennas on this Tower because, at that time, there was insufficient information provided regarding the nature of any such future requests for additional equipment at this site. It was anticipated that such a review would occur during future applications to amend the Site Plan. The approval of the use of this site by the Planning & Zoning Commission was specifically limited to the installation of equipment on the Site Plan that belongs to the current owner. (See comments of the City dated August 30, 2000, filed in Siting Council Petition No. TS-VOICESTREAM-015-000808 – VoiceStream Wireless request for an order to approve tower sharing at an existing telecommunications tower at 623 Pine Street, Bridgeport, Connecticut, and Petition No. TS-BAM –015-000807 – Cellco Partnership d/b/a Verizon Wireless request for an Order to approve tower sharing at an existing telecommunications tower located at 623 Pine Street, Bridgeport, Connecticut.)
- The Tower is not an existing telecommunications tower, since the owners of the property at location failed to file an amended Site Plan application with the City Planning and Zoning Commission and a Cease and Desist Order was issued by the Commission regarding 923 Pine Street on November 7, 2000. Applications filed by Cellco Partnership d/b/a Verizon Wireless and Voice Stream Wireless **on behalf of the property owners** are currently pending before the Planning & Zoning Commission. This office anticipates that decisions on both these applications will be issued on April 23, 2001.
- The location at 623 Pine Street requires an amendment to the original Site Plan previously approved by the Planning and Zoning Commission **by the property owners** in order to modify the Tower base for the installation by multiple users of equipment that is necessary to power the antennas, in addition to any expanded use of the Tower itself, by Nextell. Additional fencing may be required at this location if the application for approval of an Amended Site Plan indicates the proposed installation of additional antennas on the Tower described in this Petition.
- The data supplied by Nextell in this Petition regarding the total radio frequency power density levels and/or electromagnetic radiation levels at 923 Pine Street **does not include the proposed installations of MetriCom, Inc.**, a FCC license holder which has also filed an amended Site Plan application with the Planning and Zoning Commission on behalf of the property owners of 923 Pine Street. That application is also scheduled for a decision by the City's Planning & Zoning Commission on April 23, 2001.

- The Petition by Nextell does not indicate why the antennas and equipment are needed at this time. Generally, there are two reasons for such requests: to eliminate a dead zone in coverage to serve existing customers, or to increase capacity for anticipated new customers. The City, upon the submission of the proper engineering data indicating how this location will eliminate the dead zone, does not object to the approval of a completed petition on those grounds, if that petition is properly before your Agency as discussed above. However, the City also believes that requests for tower sharing to address future capacity require an intense review to insure that the "need" is current or imminent, and is confined to this municipal area. The City finds it difficult to believe that Nextell has a current need of twelve (12) antennas to serve customers in the Bridgeport area. The City objects to the approval of this Petition until this information has been verified by your Agency.
- If and when this Petitions has been properly filed, the City's Planning & Zoning Commission and the Siting Council have overlapping jurisdiction over these matters.
- The issuance of a building permit is required and will be conditioned upon the Petitioner obtaining and maintaining a performance bond for the future removal of its equipment, if it remains out of service for a period of six (6) months, in an amount to be determined by the Office of the City Attorney based on estimated installation and removal costs to be prepared by the Petitioner.

Finally, the City requests that any approval granted for this Petition by this Agency specifically state that the Petitioner and or the site must obtain all local permits/approvals prior to the installation of additional telecommunications equipment on the Tower at this site.

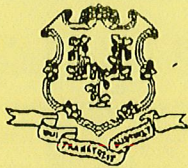
If you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,



Melanie J. Howlett
Assistant City Attorney

Cc: William Shaw - Bridgeport Clerk Planning & Zoning Commission
Ronald C. Clark - Manager of Real Estate Operations, Nextell Communications



STATE OF CONNECTICUT

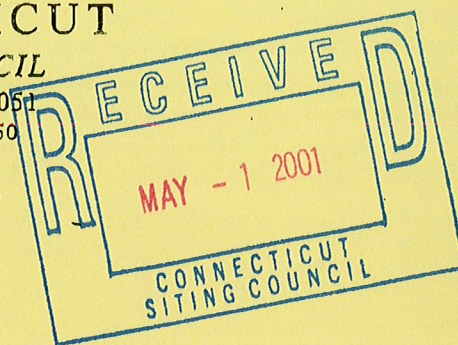
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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

E-Mail: siting.council@po.state.ct.us

Web Site: www.state.ct.us/csc/index.htm



April 16, 2001

Ronald C. Clark
 Manager, Real Estate Operations
 Nextel Communications
 100 Corporate Park
 Rocky Hill, CT 06067

RE: **EM-NEXTEL-015-010327** - Nextel Communications, Inc. notice of intent to modify an existing telecommunications facility located at 623 Pine Street, Bridgeport, Connecticut.

Dear Mr. Clark:

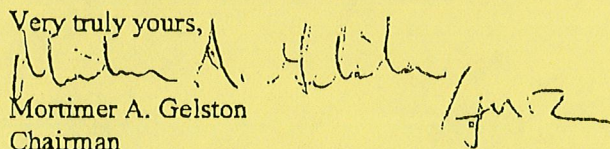
At a public meeting held on April 12, 2001, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated March 27, 2001. 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.

Although the City of Bridgeport may require the issuance of a Building Permit, this decision for the modification and use of this facility is under the exclusive jurisdiction of the Council. 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. 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.

Thank you for your attention and cooperation.

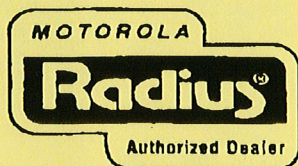
Very truly yours,


 Mortimer A. Gelston
 Chairman

MAG/RKE/laf

- c: Honorable Joseph P. Ganim, Mayor, City of Bridgeport
 Michael P. Nidoh, City Planner, City of Bridgeport
 Melanie J. Howlett, Assistant City Attorney, City of Bridgeport
 Robert Knapp, Radio Communications Corp.
 Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae
 Sandy M. Carter, Verizon Wireless
 David I. Bass, Esq., Rubenstein & Green, LLC

Radio Communications Service Company



24 Rockdale Road, West Haven, CT 06516
1-203-933-2432 1-800-343-9333



Date : 11/9/00

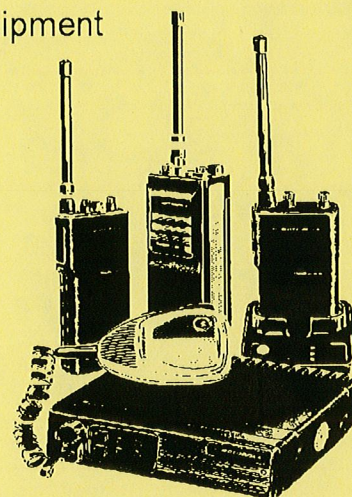
Subject : FW: Cease and Desist order

To: Joel Rinebold

Company : Connecticut Siting Council

Fax Number : 1-860-827-2950

Equipment



From : Bob Knapp

Company : Radio Communications Service Co

Fax Number : 1-203-933-2259

Message:

Tower Sites

Dear Joel,

Here is the order we spoke about today.

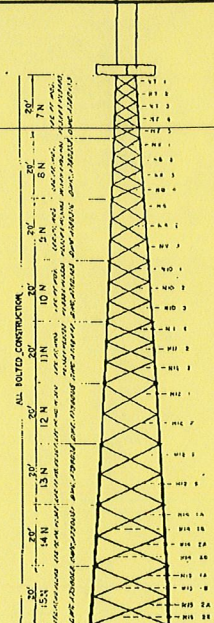
Thank You,

Bob Knapp

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NOV 13 2000

CONNECTICUT SITING COUNCIL

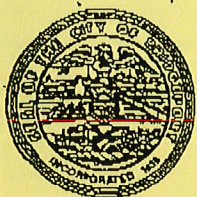


THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY USE, DISSEMINATION, DISTRIBUTION, OR REPRODUCTION OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE. THANK YOU.

NOV-09-2000 10:56

COHEN AND WOLF PC

P.02/02



Bridgeport

ORDER TO COMPLY

ZONING COMMISSION

CITY OF BRIDGEPORT

45 LYON TERRACE
ROOM NO. 208
BRIDGEPORT, CONN. 06604

To: Robert C. Knapp

Date: November 7, 2000

Mailing Address: d/b/a Paging Associates, Inc., 1115 Broad Street, P.O. Box 1821, Bridgeport, CT 06601-1821

Pursuant to the authority vested in me by the Zoning Regulations of the City of Bridgeport, Connecticut, you are hereby ordered and directed within Ten (10) days of the date hereof, to discontinue and/or remedy the violations and conditions at premises identified as:

623 Pine Street, Bridgeport, CT

Block 0307 Lot 25

owned and/or occupied by you ; which are in violation of the said Zoning Regulations of the City of Bridgeport, Connecticut. **Sec. 14-1-2, 14-2-5, & 14-2-7**

Based on documents forwarded to the City Attorney's Office of the City of Bridgeport, which in turn has been provided to the Zoning Board of Appeals and the Planning & Zoning Commission, this office has determined that the following conditions presently exist:

The owner of 623 Pine Street has granted permission to four (4) wireless telecommunication and/or internet/data companies for the installation of additional equipment on the 250 feet replacement tower located at that site. Such installations constitute an amendment to a Site Plan approved by the Planning & Zoning Commission on October 2, 1998, following the conditional approval of a variance by the Zoning Board of Appeals by Decision dated August 11, 1998.

CERTIFIED MAIL Z 350 374 362

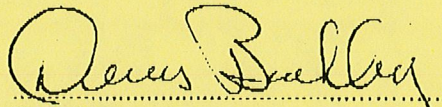
Your immediate attention to this matter is hereby advised and requested.

You are hereby ordered to cease & desist the installation of new equipment on the Tower located at 623 Pine Street until an amended Site Plan has been filed & approved by the Planning & Zoning Commission, in accordance with Sec. 14-2-7.

RECEIVED

NOV 13 2000

CONNECTICUT
SITING COUNCIL


Dennis Buckley
Zoning Enforcement Officer

NOTE

A further inspection will be made of the subject premises after the grace period and, if compliance is not established, the full penalties prescribed by law and as set forth below will be invoked. You may avail yourself of the consultive services of the Zoning Commission staff, if there is any question as to the manner and time of establishing compliance.

PENALTIES

The owner or agent of any building or premises where a violation of any provision of such regulations has been committed or exists, or the lessee or tenant of an entire building or entire premises where such violation has been committed or exists, or the owner, agent, lessee or tenant of any part of the building or premises in which such violation has been committed or exists, or the agent, architect, builder, contractor or any other person who commits, takes part or assists in any such violation or who maintains any building or premises in which any such violation exists, shall be fined not less than ten nor more than one hundred dollars for each day that such violation continues; but, if the offense is wilful, the person convicted thereof shall be fined not less than one hundred dollars nor more than two hundred and fifty dollars for each day that such violation continues, or imprisoned not more than ten days for each day such violation continues or both; and the circuit court shall have jurisdiction of all such offenses, subject to appeal as in other cases. Any person who, having been served with an order to discontinue any such violation, fails to comply with such order within ten days after such service or continues to violate any provision of the regulations made under authority of the provisions of this chapter specified in such order shall be subject to a civil penalty of two hundred and fifty dollars, payable to the treasurer of the municipality.



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

September 5, 2000

Sandy M. Carter
Bell Atlantic Mobile
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

RE: TS-BAM-015-000807 - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications tower located at 623 Pine Street, Bridgeport, Connecticut.

Dear Ms. Carter:

At a public meeting held August 31, 2000, 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, subject to the issuance of a Building Permit and notification to the Tax Commissioner of the City of Bridgeport, Connecticut. This facility has also been carefully modeled to ensure that cumulative 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. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. 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.

The proposed shared use is to be implemented as specified in your letter dated August 7, 2000, and additional information dated August 31, 2000.

Thank you for your attention and cooperation.

Very truly yours,


Mortimer A. Gelston
Chairman

MAG/RKE/laf

- c: Honorable Joseph P. Ganim, Mayor, City of Bridgeport
- Mark T. Anastasi, City Attorney, City of Bridgeport
- John D. Guman, Jr, Deputy City Attorney, City of Bridgeport
- Melanie J. Howlett, Assistant City Attorney, City of Bridgeport
- J. Brendan Sharkey, VoiceStream

logged



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

August 21, 2000

Honorable Joseph P. Ganim
Mayor
City of Bridgeport
City Hall
45 Lyon Terrace
Bridgeport, CT 06604

RE: TS-BAM-015-000807 - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications tower located at 623 Pine Street, Bridgeport, Connecticut.

Dear Mr. Ganim:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 31, 2000, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

Joel M. Rinebold
Executive Director

JMR/RKE/rgg

Enclosure: Notice of Intent

c: Ms. Melanie J. Howlett, Assistant City Attorney, City of Bridgeport

CITY ATTORNEY
Mark T. Anastasi

CITY OF BRIDGEPORT
OFFICE OF THE CITY ATTORNEY

999 Broad Street
Bridgeport, Connecticut 06604-4328

ASSISTANT CITY ATTORNEYS

Melanie J. Howlett
Arthur C. Laske III
R. Christopher Meyer
John J. Robacynski
Stephen J. Sedensky, Jr.

LEGAL ADMINISTRATOR
Kathleen Pacacha

ASSOCIATE CITY ATTORNEYS

John H. Barton
John P. Bohannon, Jr.
Barbara Brazzel-Massaro
Russell D. Liskov
John R. Mitola
Ronald J. Pacacha



Telephone (203) 576-7647
Facsimile (203) 576-8252

August 30, 2000

Via Facsimile and Overnight Mail

Joel M. Rinebold, Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: Petition No. TS-VOICESTREAM-015-000808 – VoiceStream Wireless request for an order to approve tower sharing at an existing telecommunications tower at 623 Pine Street, Bridgeport, Connecticut

Petition No. TS-BAM –015-000807 – Cellico Partnership d/b/a Verizon Wireless request for an Order to approve tower sharing at an existing telecommunications tower located at 623 Pine Street, Bridgeport, Connecticut

Dear Mr. Rinebold:

I am in receipt on August 22, 2000, of your letter dated August 21, 2000, and the Notice of Meeting Agenda for August 31, 2000, regarding the applications noted above ("Petitions") as filed by VoiceStream Wireless, formerly known as Omnipoint Communications, Inc., and Verizon Wireless, formerly known as Bell Atlantic Mobile ("Petitioner") together the ("Petitioners"), to install antennas and equipment at an existing tower located at 623 Pine Street, Bridgeport, Connecticut ("Tower"). The Petitioners have forwarded a copy of their respective Petitions to the City of Bridgeport ("City") and they was received in my office on August 11, 2000, and August 24, 2000, respectively. Please enter my appearance in these matters on behalf of the City.

The City has reviewed the Petitions and finds that we have the following objections and conditions to their approval, as set forth below.

- The Site Plan for the Tower was approved by the City's Planning & Zoning Commission on September 28, 1998, limited to the installation of certain equipment as set forth in that application, and further discussed below. The City has continuing jurisdiction over the activities at this location.
- The Tower is not an existing telecommunications tower, and may or may not be a facility that is being used for transmitting and receiving signals in the electromagnetic spectrum pursuant to a Federal Communications ("FCC") license, in accordance with Section 16-50aa(b) of the General Statutes of Connecticut.

- The Petitions should clearly state that the equipment on the existing tower used by the unnamed "Radio Communications Company" transmits and receives signals in the electromagnetic spectrum. The City believes that the paging equipment and/or television transmitter used by this "Company" may not meet this definition. Since the Petitions are silent on this issue, the City is just not sure. If this is not the case, the Siting Council does not have jurisdiction over this matter, pursuant to Section 16-50aa of the General Statutes of Connecticut, and then one of the Petitioners must first obtain approval from the City Planning & Zoning Commission to place its antennas and equipment on and/or at the Tower. Once such an application has been approved, and the antennas and equipment has been installed, your Agency would have jurisdiction to review and approve additional requests for tower sharing from other telecommunication providers (including the other Petition under review by your Agency if that entity chooses not to return to the Planning & Zoning Commission at this time.
- The Petitions do not include a copy of the license issued by the FCC to the unnamed radio communications company that owns the Tower (Paging Associates) as required by Section 16-50aa(c)(1) of the General Statutes of Connecticut, and, therefore, the Petition, as filed, is incomplete. The City objects to the review of an incomplete application.
- The Petitions do not include the completed form executed by the owner of the Tower which indicates that the owner is in agreement with the proposed shared use of the facility, as required by Section 16-50aa(c)(1) of the General Statutes of Connecticut, and, therefore, the Petition, as filed, is incomplete. The City objects to the review of an incomplete application.
- The Petitions do not indicate why the antennas and equipment are needed at this time. Generally, there are two reasons for such requests: to eliminate a dead zone in coverage to serve existing customers, or to increase capacity for anticipated new customers. The City, upon the submission of the proper engineering data indicating how this location will eliminate the dead zone, does not object to the approval of a completed petition on those grounds, if that petition is properly before your Agency as discussed above. However, the City also believes that requests for tower sharing to address future capacity require an intense review to insure that the "need" is current or imminent, and is confined to this municipal area. The City finds it difficult to believe that Verizon Wireless has a current need of twelve (12) antennas to serve customers in the Bridgeport area. The City objects to the approval of these Petitions until this information has been verified by your Agency.
- The prior Site Plan approved by the Planning and Zoning Commission did not consider the safety and environmental impact of additional antennas on this Tower because, at that time, there was insufficient information provided regarding the nature of any such future requests for additional equipment at this site. It was anticipated that such a review would occur during future applications to amend the Site Plan. The approval of the use of this site by the Planning & Zoning Commission was specifically limited to the installation of equipment on the Site Plan that belongs to the current owner. (See attached letter from my office dated May 1, 2000, to the Attorney for Paging Associates.) The City requests a clarification as to whether or not the chart that appears on page 3 of the Petition filed by Verizon Wireless indicates the total combined electromagnetic radiation levels for all the antennas requested by both Petitioners and the existing equipment currently located on the Tower.
- The location at 623 Pine Street requires an amendment to the Site Plan previously approved by the Planning and Zoning Commission of the City of Bridgeport in order to modify the Tower base for the installation by multiple users of equipment that is necessary to power the antennas. See attached Decision and Exhibit filed by Paging Associates in the Site Plan Application to the P&Z Commission. Additional fencing may be required at this location if the application for approval of an Amended Site Plan indicates the proposed installation of additional antennas on the Tower described in this Petition.

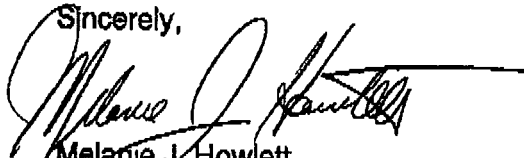
- The permit for air emissions for the back-up generator falls under the jurisdiction of the State Department of Environmental Protection as well as the City's Planning & Zoning Commission. The City does not believe that the Siting Council can approve the Verizon Wireless Petition without requiring that Petitioner to obtain proper State and Local permits and approvals before installation.
- The City objects to the issuance of an approval in any name that does not mirror the name that appears on the wireless telecommunications license issued by the FCC and will only issue building permits to a FCC license holder that obtains approval from your Agency. Accordingly, we request that your Agency require the submission of written verification that Omnipoint's FCC license has been transferred to VoiceStream and that such a transfer has been approved by that Federal Agency.
- The approval of this Petition, if granted, should not be issued to the unnamed radio communications company but in the name of the appropriate wireless communications company.
- If and when the Petitions have been properly filed, the City's Planning & Zoning Commission and the Siting Council have overlapping jurisdiction over these matters.
- The issuance of a building permit is required and will be conditioned upon the Petitioner obtaining and maintaining a performance bond for the future removal of its equipment, if it remains out of service for a period of six (6) months, in an amount to be determined by the Office of the City Attorney based on estimated installation and removal costs to be prepared by the Petitioner.

The City respectfully requests that the review of these Petitions be continued until a future Agenda, without prejudice, for the reasons set forth above. In addition, if completed Petitions are submitted to the Siting Council, the City reserves the right to submit additional comments on these matters.

Finally, the City requests that any approval granted of these Petitions by this Agency specifically state that the Petitioners and or the site must obtain all local permits/approvals prior to the installation of additional telecommunications equipment on the Tower at this site.

If you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,



Melanie J. Howlett
Assistant City Attorney

Enc.

Cc: William Shaw - Bridgeport Clerk Planning & Zoning Commission
Brendan Sharkey, Attorney for VoiceStream
Sandy M. Carter, Manager Regulatory, Verizon Wireless
Ken Baldwin, Robinson & Cole for Verizon Wireless

**CITY OF BRIDGEPORT
OFFICE OF THE CITY ATTORNEY
LEGAL DEPARTMENT
999 Broad Street
Bridgeport, Connecticut 06604
Telephone: (203) 576-7647
Facsimile: (203) 576-8252**

FAX TRANSMITTAL COVER SHEET

Date: August 30, 2000

To: Joel Rinebolt
Connecticut Siting Council

Fax No.: 860-827-2950
Telephone No.: 860-827-2935

From: Melanie J. Howlett
Assistant City Attorney



Total Number of Pages: (including this cover sheet) 6

Message: Original sent via Overnight Mail

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CITY OF BRIDGEPORT
OFFICE OF THE CITY ATTORNEY

999 Broad Street
Bridgeport, Connecticut 06604-4328



May 1, 2000

CITY ATTORNEY
Mark T. Anastasi

DEPUTY CITY ATTORNEY
John D. Guman, Jr.

ASSOCIATE CITY ATTORNEYS
John H. Barton
John P. Bobannon, Jr.
Barbara Brazzel-Massaro
Russell D. Liskov
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Stephen J. Sedensky, Jr.

LEGAL ADMINISTRATOR
Kathleen Pacacha

Telephone (203) 576-7647
Facsimile (203) 576-8252

Via Facsimile

Austin Wolfe
Cohen & Wolf, P. C.
1115 Broad Street
Bridgeport, Connecticut 06601

Re: Premises at 623 Pine Street, Bridgeport CT

Dear Attorney Wolfe:

I am in receipt of your letter dated April 18, 2000, regarding: (1) the pending request of your client, Paging Associates, before the Planning & Zoning Commission (P & Z Commission) to amend, via the submission of Amended Construction Notes, the site plan for 623 Pine Street which received approval on September 28, 1998, to construct a new Radio Tower at the height of 250 feet and remove an existing 115 foot Radio Tower at that site; and (2) a summary of our telephone conversation which also occurred the week of April 18th regarding the legal issues that pertain to this filing.

In attempting to summarize our earlier conversation, your letter misstates my opinion that the 1996 Federal Telecommunication Act, and subsequent Federal case law, requires that any changes to the approved site plan must be returned to the P & Z Commission for an additional review and approval. What I said was that the P & Z Commission has determined that there is nothing in the Federal Act or subsequent Federal cases to prevent our review procedures, as long as they are applied uniformly to these competitive companies and adapt certain environmental guidelines established by the Federal Communications Commission ("FCC").

The P & Z Commission established a review procedure for the co-location of antennas in 1999, after the submission of your clients' application. Under this new procedure, neither the application to construct a Tower, or an application to modify a rooftop, for the installation of an antenna and associated equipment can be submitted to the Zoning Board of Appeals ("ZBA") for a variance, nor can a secondary application for a site plan be submitted to the P & Z Commission, unless the licensed wireless Telecommunications Company is a co-applicant at the time of the initial application so that the issues discussed below can be addressed.

In addition, if the site plan was already approved prior to 1999, and its approval was "conditioned upon the development of the property in accordance with the plans submitted and on file with the Commission", then the site plan must be returned for another review if changes to the buildings or structures in the original site plan are being proposed, or were not approved as part of the initial application. This amended application also requires the company that will own and operate said equipment as a co-applicant. However, if the equipment to be installed or building to be modified will not require a modification to the initial variance awarded by the ZBA, then an amended site plan submitted for review by the P & Z Commission is all that is required. This procedure has been required since 1999 if additional equipment is being proposed for co-location on an existing tower or rooftop site.

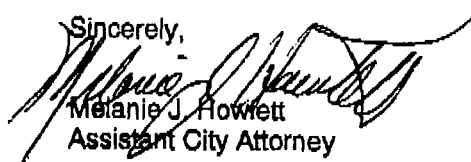
Your client's 1998 original application stated that the new Tower was being constructed to accommodate all the equipment on the existing Tower including a Television transmitter for broadcasting, point to point microwave services, common carrier paging, internet services, and that your client "hoped" to lease space to wireless telecommunication companies to co-locate their antennas on the Tower. However, the building upon which the Tower was to be built was not designed to provide separate areas for locating associated equipment from different companies. In addition, there was no information in the then "current application" confirming the size of the future antennas to be installed, the identity of the licensed wireless telecommunications companies who would use this equipment, or their need to locate their equipment on the Tower and in the building at this particular site. Only speculative information was provided regarding the future height location and/or placement of the antennas on the Tower, the MHz capacity and the potential impact of the equipment on the community. Indeed, the information dated August 4, 1998, submitted by your engineering expert, Kenneth Foster, Ph. D University of Pennsylvania, stated that his report addressed "anticipated applications for which no detailed engineering information is available", and the information provided regarding wireless cellular antennas was marked "future anticipated applications". (See Report dated August 4, 1998, pgs. 1 and 2.) The P & Z Commission assumed future applications for use of the Tower by other entities for new equipment was not pending before them and only approved the site plan for the relocation of existing tower equipment onto this new facility. Accordingly, there has been no approval of a site plan for "future anticipated" applications for the use of new equipment that would be installed at a later date and/or utilized by entities other than your client.

More importantly, while wireless telecommunications companies are afforded some protection from zoning oversight by the 1996 Telecommunications Act, local zoning commissions are not pre-empted from conducting a review of these site plans to verify that the proposed site is the best available location based on the engineering needs of that particular wireless telecommunications company, and that the equipment to be installed is necessary for the company's operations. In addition, while the FCC has established limits as to the level of public exposure to radio-frequency energy emissions, the local zoning authority is not pre-empted from a review of these proposed installations to verify that they will be operated on the site within the environmental limits established by the FCC. A review and/or orders for the modification of proposed installations to address other relevant safety factors regarding either the type of antennas to be installed, the manner in which the antennas and associated equipment will be installed and maintained, and when and how the equipment will be removed from the site if it is ever taken out of service for after a period of time, are also permissible.

The pending application submitted by your client provides a list of "Amended Construction Notes" which pertain to subdividing the building under the Tower into six (6) separate rooms. However, a revised site plan for the building and for the addition of antennas to the Tower has not been provided. Since your client's FCC Construction Permit dated August 9, 1998, will expire on October 9, 2000, and all equipment listed therein must be installed and operational prior to that date, I would suggest that your client and the appropriate wireless telecommunications companies submit both the revised site plan applications for additional antenna installations on the Tower and proposed modifications to the building simultaneously, or as one application to the ZBA and/or P & Z Commission as applicable, as expeditiously as possible. If the identity of the telecommunications companies that will own and operate the antennas and associated equipment are still not known, then this application is premature and I will recommend to the Commissioners that it be denied without prejudice.

If there are any additional questions regarding this matter, please do not hesitate to contact me.

Sincerely,



Melanie J. Howett
Assistant City Attorney

cc: William Shaw, Zoning Enforcement Officer

**CITY OF BRIDGEPORT
 OFFICE OF THE CITY ATTORNEY
 LEGAL DEPARTMENT
 999 Broad Street
 Bridgeport, Connecticut 06604
 Telephone: (203) 576-7647
 Facsimile: (203) 576-8252**

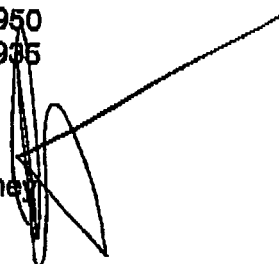
FAX TRANSMITTAL COVER SHEET

Date: August 30, 2000

To: Joel Rinebolt
 Connecticut Siting Council

Fax No.: 860-827-2950
 Telephone No.: 860-827-2935

From: Melanie J. Howlett
 Assistant City Attorney



Total Number of Pages: (including this cover sheet) 6

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* * * TRANSMISSION RESULT REPORT (AUG. 30. 2000 3:46PM) * * *

TTI CITY ATTORNEY

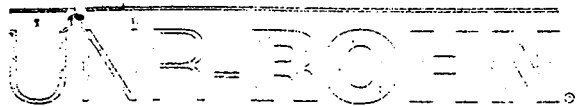
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Division of UNR Industries, Inc.

6718 W. Plank Road, P.O. Box 2000, Peoria, Illinois 61659 USA

Phone: (309) 697-4400

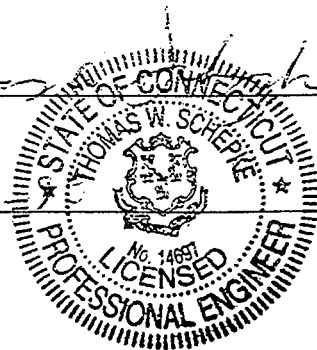
FAX: (309) 697-5612

PURCHASER: RADIO COMMUNICATIONS SERVICE CO.
NAME OF PROJECT: BRIDGEPORT, FAIRFIELD COUNTY, CONNECTICUT
250 FT. MODEL SSVMW TOWER
UNR-ROHN FILE NUMBER: 37679AE
UNR-ROHN DRAWING NUMBER: A981837

I CERTIFY THAT THE ATTACHED DRAWING AND CALCULATIONS WERE
PREPARED UNDER MY SUPERVISION IN ACCORDANCE WITH THE LOADING
CRITERIA SPECIFIED BY THE PURCHASER AND THAT I AM A REGISTERED
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF CONNECTICUT.

CERTIFIED BY: _____

DATE: _____



TOWER DESIGN LOADING

ELEVATION (FT)	ANTENNA TYPE	E.P.A. (SF) NO ICE W/ICE	LINE SIZE (NOM)
TOP	DUAL LIGHTS & (12) 000701 ANTENNAS W/CELLULAR PLATFORM	4.8 & 105.0 (TOTAL)	(1) 5/8" & (1) 3/4" AND (12) 1-1/4" (TOTAL)
230	(2) 10' STD DISHES W/RADOME (0) & (180)	119.7 (TOTAL)	(2) 1-5/8" (TOTAL)
200	10' STD DISH W/RADOME (0)	70.6 (TOTAL)	(1) 1-5/8" (TOTAL)
150	(12) ALP9212 ANTENNAS W/15' MOUNTING FRAMES	114.0 (TOTAL)	(12) 1-5/8" (TOTAL)
130	(12) ALP9212 ANTENNAS W/15' MOUNTING FRAMES	114.0 (TOTAL)	(12) 1-5/8" (TOTAL)
110	(12) ALP9212 ANTENNAS W/15' MOUNTING FRAMES	114.0 (TOTAL)	(12) 1-5/8" (TOTAL)

NOTE: ANTENNA AZIMUTH IS SHOWN IN DEGREES WITHIN THE [BRACKETS].
SEE STRESS ANALYSIS FOR A COMPLETE LISTING OF ALL LOADS ON TOWER

SECTION MEMBER SCHEDULE

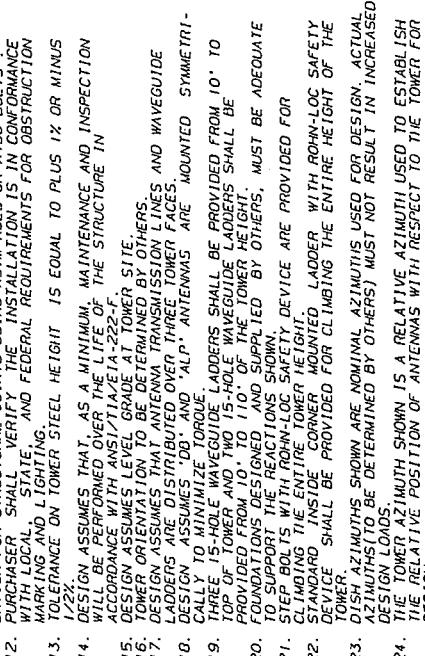
SECTION	SIZE	BOLTED CONNECTION NO.	SIZE	BOLTED CONNECTION NO.	END CONNECTION NO.
7A	PIPE 2 5/8" STD	4	3/4	L 78X37/16	1
7B	PIPE 3 STD	4	7/8	L 24X17/4	1
7C	PIPE 4 E.H.	6	---	L 24X17/4	1
7D	PIPE 5 E.H.	6	---	L 24X17/4	1
7E	PIPE 6 E.H.	6	---	L 24X17/4	1
7F	PIPE 8 E.H.	6	---	L 24X17/4	1
7G	PIPE 10 E.H.	12	---	L 24X17/4	1
7H	PIPE 10 E.H.	12	---	L 24X17/4	1
7I	PIPE 10 E.H.	12	---	L 24X17/4	1
7J	PIPE 10 E.H.	12	---	L 24X17/4	1
7K	PIPE 10 E.H.	12	---	L 24X17/4	1
7L	PIPE 10 E.H.	12	---	L 24X17/4	1
7M	PIPE 10 E.H.	12	---	L 24X17/4	1
7N	PIPE 10 E.H.	12	---	L 24X17/4	1
7O	PIPE 10 E.H.	12	---	L 24X17/4	1
7P	PIPE 10 E.H.	12	---	L 24X17/4	1
7Q	PIPE 10 E.H.	12	---	L 24X17/4	1
7R	PIPE 10 E.H.	12	---	L 24X17/4	1
7S	PIPE 10 E.H.	12	---	L 24X17/4	1
7T	PIPE 10 E.H.	12	---	L 24X17/4	1
7U	PIPE 10 E.H.	12	---	L 24X17/4	1
7V	PIPE 10 E.H.	12	---	L 24X17/4	1
7W	PIPE 10 E.H.	12	---	L 24X17/4	1
7X	PIPE 10 E.H.	12	---	L 24X17/4	1

NOTE: (H) REPRESENTS THE HORIZONTAL BRACE SECTION MEMBERS ARE FOR REFERENCE ONLY FOR NOMINAL FACE WIDTH DIMENSIONS, REFER TO STRESS ANALYSIS.

TUBULAR MEMBER PROPERTIES

MEMBER	O.D. (IN)	THICK. (IN)
PIPE 2 5/8" STD	2.875	0.203
PIPE 3 STD	3.500	0.216
PIPE 4 E.H.	4.500	0.337
PIPE 5 E.H.	5.500	0.375
PIPE 6 E.H.	6.750	0.375
PIPE 8 E.H.	8.750	0.500
PIPE 10 E.H.	10.750	0.500

- GENERAL NOTES**
- ROHN COMMUNICATION TOWER DESIGNS CONFORM TO ANSI/TIA/EIA-222-F UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING.
 - THE DESIGN LOADING CRITERIA INDICATED HAS BEEN PROVIDED TO ROHN. THE DESIGN LOADING CRITERIA HAS BEEN ASSUMED TO BE BASED ON SITE-SPECIFIC DATA IN ACCORDANCE WITH ANSI/TIA/EIA-222-F AND MUST BE VERIFIED BY OTHERS PRIOR TO INSTALLATION.
 - ANTENNAS AND LINES LISTED IN TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED.
 - TOWER MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION OR DISMANTLING. DESIGN AND CONSTRUCTION ARE UNKNOWN. DESIGN STRESSES COMPETENT AND QUALIFIED PERSONNEL WILL ERECT THE TOWER.
 - WORK SHALL BE IN ACCORDANCE WITH ANSI/TIA/EIA-222-F. "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS" AND ANTENNA SUPPORTING STRUCTURES.
 - THE MINIMUM YIELD STRENGTH OF STRUCTURAL STEEL MEMBERS SHALL BE 50 KSI, EXCEPT AS NOTED BELOW.
 - ANGLE BRACES L 24X17/4 SHALL BE 36 KSI.
 - STRUCTURAL MEMBERS SHALL BE BOLTED. NO FIELD WELDS SHALL BE ALLOWED.
 - STRUCTURAL BOLTS SHALL CONFORM TO ASTM A-325, EXCEPT WHERE NOTED.
 - PAL NUTS SHALL BE PROVIDED FOR ALL TOWER BOLTS.
 - STRUCTURAL STEEL AND CONNECTION BOLTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION, IN ACCORDANCE WITH ANSI/TIA/EIA-222-F.
 - ALL HIGH STRENGTH BOLTS ARE TO BE TIGHTENED TO A "SNUGTIGHT" CONDITION AS DEFINED IN THE NOVEMBER 13, 1995, AISC "SPECIFICATION FOR STRUCTURAL BOLTS AND CONNECTIONS" OR IN CONFORMANCE WITH LOCAL STATE AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
 - TOLERANCE ON TOWER STEEL HEIGHT IS EQUAL TO PLUS 1% OR MINUS 1/2%.
 - DESIGN ASSUMES THAT, AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH ANSI/TIA/EIA-222-F.
 - DESIGN ASSUMES LEVEL GRADE AT TOWER SITE.
 - DESIGN ASSUMES THAT ANTENNAS ARE TO BE PROVIDED BY OTHERS.
 - DESIGN ASSUMES THAT ANTENNAS ARE TO BE MOUNTED ON TOWER LADDERS ARE DISTRIBUTED OVER THREE TOWER FACES.
 - DESIGN ASSUMES 100' AND 'ALP' ANTENNAS ARE MOUNTED SYMMETRICALLY TO MINIMIZE TORQUE.
 - THREE 15-HOLE WAVEGUIDE LADDERS SHALL BE PROVIDED FROM 10' TO TOP OF TOWER AND TWO 15-HOLE WAVEGUIDE LADDERS SHALL BE PROVIDED FROM 10' TO 110' OF THE TOWER HEIGHT.
 - FOUNDATIONS DESIGNED AND SUPPLIED BY OTHERS, MUST BE ADEQUATE TO SUPPORT THE REACTIONS SHOWN.
 - STUB BOLTS AT THE ENTIRE TOWER HEIGHT.
 - STANDARD INSIDE CORNER MOUNTED LADDER WITH ROHN-LOC SAFETY DEVICE SHALL BE PROVIDED FOR CLIMBING THE ENTIRE HEIGHT OF THE TOWER.
 - DISH AZIMUTHS SHOWN ARE NOMINAL AZIMUTHS USED FOR DESIGN. ACTUAL AZIMUTHS (TO BE DETERMINED BY OTHERS) MUST NOT RESULT IN INCREASED DESIGN LOADS.
 - TOWER AZIMUTH SHOWN IS A RELATIVE AZIMUTH USED TO ESTABLISH THE RELATIVE POSITION OF ANTENNAS WITH RESPECT TO THE TOWER FOR DESIGN.



TOWER REACTIONS

COMPRESSION	= 524.8 KIPS
TENSION	= 460.5 KIPS
TOTAL SHEAR	= 93.1 KIPS
O.T.M.	= 11750.6 FT-KIPS

16 A-BOLTS (48 TOTAL) 1" DIA. X 7/8" LONG ASTM A 354 GR. BC

TOWER CONFIGURATION

N.T.S.

TOWER SITE: BRIDGEPORT, CT
COUNTY: FAIRFIELD

TOWER DESIGN LOADING

DESIGN WIND LOAD PER ANSI/TIA/EIA-222-F-1996, 85 MPH BASIC WIND SPEED (11/2" RADIAL ICE LOAD), GH & KZ PER ASCE 7-93 EXPOSURE "D". THIS TOWER IS DESIGNED TO SUPPORT THE FOLLOWING LOADS:

ELEVATION (FT)	ANTENNA TYPE	E.P.A. (SF) NO ICE W/ICE	LINE SIZE (NOM)
TOP	DUAL LIGHTS & (12) 000701 ANTENNAS W/CELLULAR PLATFORM	4.8 & 105.0 (TOTAL)	(1) 5/8" & (1) 3/4" AND (12) 1-1/4" (TOTAL)
230	(2) 10' STD DISHES W/RADOME (0) & (180)	119.7 (TOTAL)	(2) 1-5/8" (TOTAL)
200	10' STD DISH W/RADOME (0)	70.6 (TOTAL)	(1) 1-5/8" (TOTAL)
150	(12) ALP9212 ANTENNAS W/15' MOUNTING FRAMES	114.0 (TOTAL)	(12) 1-5/8" (TOTAL)
130	(12) ALP9212 ANTENNAS W/15' MOUNTING FRAMES	114.0 (TOTAL)	(12) 1-5/8" (TOTAL)
110	(12) ALP9212 ANTENNAS W/15' MOUNTING FRAMES	114.0 (TOTAL)	(12) 1-5/8" (TOTAL)

NOTE: ANTENNA AZIMUTH IS SHOWN IN DEGREES WITHIN THE [BRACKETS].
SEE STRESS ANALYSIS FOR A COMPLETE LISTING OF ALL LOADS ON TOWER

SECTION MEMBER SCHEDULE

SECTION	SIZE	BOLTED CONNECTION NO.	SIZE	BOLTED CONNECTION NO.	END CONNECTION NO.
7A	PIPE 2 5/8" STD	4	3/4	L 78X37/16	1
7B	PIPE 3 STD	4	7/8	L 24X17/4	1
7C	PIPE 4 E.H.	6	---	L 24X17/4	1
7D	PIPE 5 E.H.	6	---	L 24X17/4	1
7E	PIPE 6 E.H.	6	---	L 24X17/4	1
7F	PIPE 8 E.H.	6	---	L 24X17/4	1
7G	PIPE 10 E.H.	12	---	L 24X17/4	1
7H	PIPE 10 E.H.	12	---	L 24X17/4	1
7I	PIPE 10 E.H.	12	---	L 24X17/4	1
7J	PIPE 10 E.H.	12	---	L 24X17/4	1
7K	PIPE 10 E.H.	12	---	L 24X17/4	1
7L	PIPE 10 E.H.	12	---	L 24X17/4	1
7M	PIPE 10 E.H.	12	---	L 24X17/4	1
7N	PIPE 10 E.H.	12	---	L 24X17/4	1
7O	PIPE 10 E.H.	12	---	L 24X17/4	1
7P	PIPE 10 E.H.	12	---	L 24X17/4	1
7Q	PIPE 10 E.H.	12	---	L 24X17/4	1
7R	PIPE 10 E.H.	12	---	L 24X17/4	1
7S	PIPE 10 E.H.	12	---	L 24X17/4	1
7T	PIPE 10 E.H.	12	---	L 24X17/4	1
7U	PIPE 10 E.H.	12	---	L 24X17/4	1
7V	PIPE 10 E.H.	12	---	L 24X17/4	1
7W	PIPE 10 E.H.	12	---	L 24X17/4	1
7X	PIPE 10 E.H.	12	---	L 24X17/4	1

NOTE: (H) REPRESENTS THE HORIZONTAL BRACE SECTION MEMBERS ARE FOR REFERENCE ONLY FOR NOMINAL FACE WIDTH DIMENSIONS, REFER TO STRESS ANALYSIS.

TUBULAR MEMBER PROPERTIES

MEMBER	O.D. (IN)	THICK. (IN)
PIPE 2 5/8" STD	2.875	0.203
PIPE 3 STD	3.500	0.216
PIPE 4 E.H.	4.500	0.337
PIPE 5 E.H.	5.500	0.375
PIPE 6 E.H.	6.750	0.375
PIPE 8 E.H.	8.750	0.500
PIPE 10 E.H.	10.750	0.500

No. Revision Description

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DLB	07/01/98		

Checked: **JH** 7/1/98
App. Eng.: **JH** 7/1/98
Parent File: **37679AE**

ROHN

250' SSVIMY TOWER DESIGN FOR RADIO COMMUNICATIONS SERVICE CO.

ENG. FILE: **A981837**
DNG. NO.: **A981837**
SHEET 1 OF 1 (REV.)

DATE-06/25/98
 TIME-12:36:21
 LEVEL - 4R4.1NT

ROHN SELF-SUPPORTING TOWER ANALYSIS FOR RADIO COMMUNICATIONS SERVICE CO
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NOTE-TOWER DESIGN, WIND PRESSURES, AND SHAPE FACTORS CONFORM TO STANDARDS SET BY TIA/EIA-222-F-1996.

✓ DWG-6735713

A BRIEF DESCRIPTION OF THE DESIGN REQUIREMENTS FOLLOWS-

1. 250 FT SSVMW TOWER STRESS ANALYSIS
2. SITE: BRIDGEPORT, CT
3. DESIGN WIND LOAD: ANSI/TIA/EIA-222-F 1996
4. 85 MPH BASIC WIND SPEED - 1/2" RAD ICE LOAD
5. STEP BOLTS (3 LEGS) W/ ROHN-LOC
6. INSIDE CORNER STANDARD LADDER W/ ROHN-LOC
7. 3-15 HOLE W/G LADDERS TOP TO 10' 4' C.O.C.
8. Z-15 HOLE W/G LADDERS 110' TO 10' 4' C.O.C.
9. This data is located @ Z:\Engr\W\JPG\37679AE.ssv

NOTE: SPECIAL EDGE DISTANCE REQUIREMENTS!

INPUT PARAMETERS

TOWER HEIGHT = 250.0 FEET
 BASE ELEVATION = .0 FEET
 WIND VELOCITY = 85.00 MPH /

EXPOSURE = D /
 IMPORTANCE FACTOR = 1.000
 RADIAL ICE = .00 IN.
 Gh = 1.030

PROJ. AREA OF LADDER, ROUND = .000 SQ.FT/FT
 PROJ. AREA OF LADDER, FLAT = .328 SQ.FT/FT
 UNIFORM WEIGHT OF LADDER = .010 KIPS/FT

FACE = S
 FACE = S

ESCALATED WINDLOADS ARE CALCULATED AT EACH SECTION MID-HEIGHT,
 WINDLOADS ARE LISTED FROM TOP TO BOTTOM :

FROM 250.0 FEET TO 240.0 FEET USE .0398 KSF
 FROM 240.0 FEET TO 220.0 FEET USE .0393 KSF
 FROM 220.0 FEET TO 200.0 FEET USE .0386 KSF
 FROM 200.0 FEET TO 180.0 FEET USE .0379 KSF
 FROM 180.0 FEET TO 160.0 FEET USE .0370 KSF
 FROM 160.0 FEET TO 140.0 FEET USE .0361 KSF
 FROM 140.0 FEET TO 120.0 FEET USE .0351 KSF
 FROM 120.0 FEET TO 100.0 FEET USE .0339 KSF
 FROM 100.0 FEET TO 80.0 FEET USE .0326 KSF
 FROM 80.0 FEET TO 60.0 FEET USE .0310 KSF
 FROM 60.0 FEET TO 40.0 FEET USE .0290 KSF
 FROM 40.0 FEET TO 20.0 FEET USE .0262 KSF
 FROM 20.0 FEET TO .0 FEET USE .0228 KSF

THIS ANALYSIS CONTROLS

DESCRIPTION OF LOADS	ANTENNA ELEVATION (FEET)	WIND PRESSURE (K/SQ-FT)	EFF. ANT. PROJ.AREA (SQ.FT.)	DEAD LOAD OF ANT. (KIPS)	PROJ. AREA OF APPURTENANCES (SQ.FT./FT.)				DEAD LOAD OF APPUR. (KIPS/FT)	EFF. PROJ. AREA*M.A. (SQ.FT-FT)	ASSUMED TORQUE (FT-K)
					ROUNDS	FACE	FLATS	FACE			
DUAL BEACONS -----	250.0	.0400	4.80	.30	.088	1	.307	1	.005	10.00	.40
-----	250.0	.0400	.00	.00	.088	2	.307	2	.005	.00	.00
-----	250.0	.0400	.00	.00	.000	0	.307	3	.004	.00	.00
12-DB878 ON -----	247.0	.0399	105.00	2.40	.532	1	.000	0	.003	106.00	4.23
7NST CELL -----	247.0	.0399	.00	.00	.532	2	.000	0	.003	.00	.00
PLATFORM -----	247.0	.0399	.00	.00	.532	3	.000	0	.003	.00	.00
✓ 2-10' DISHES W/RAD (0° & 180°) -----	230.0	.0393	119.70	2.00	.168	1	.000	0	.001	416.70	16.39
-----	230.0	.0393	.00	.00	.168	2	.000	0	.001	.00	.00
✓ 1-10' DISH W/RAD (0°) -----	200.0	.0383	70.60	1.00	.168	3	.000	0	.001	332.80	12.73
12-ALP9212 ON -----	150.0	.0361	114.00	2.50	.672	1	.000	0	.004	128.00	4.62
15' MTG FRAME -----	150.0	.0361	.00	.00	.672	2	.000	0	.004	.00	.00
-----	150.0	.0361	.00	.00	.672	3	.000	0	.004	.00	.00
12-ALP9212 ON -----	130.0	.0351	114.00	2.50	.672	1	.000	0	.004	128.00	4.49
15' MTG FRAME -----	130.0	.0351	.00	.00	.672	2	.000	0	.004	.00	.00

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ROHN SELF-SUPPORTING TOWER ANALYSIS FOR RADIO COMMUNICATIONS SERVICE CO
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DESCRIPTION OF LOADS	ANTENNA ELEVATION (FEET)	WIND PRESSURE (K/SQ-FT)	EFF. ANT. PROJ.AREA (SQ.FT.)	DEAD LOAD OF ANT. (KIPS)	PROJ. AREA OF APPURTENANCES (SQ.FT./FT.)				DEAD LOAD OF APPUR. (KIPS/FT)	EFF.PROJ. AREA*M.A. (SQ.FT-FT)	ASSUMED TORQUE (FT-K)
					ROUNDS	FACE	FLATS	FACE			
-----	130.0	.0351	.00	.00	.672	3	.000	0	.004	.00	.00
12-ALP9212 ON -----	110.0	.0339	114.00	2.50	1.008	1	.307	1	.010	128.00	4.35
15' MTG FRAME -----	110.0	.0339	.00	.00	1.008	2	.307	2	.010	.00	.00

WINDLOAD ON TOWER SECTIONS AND SUMMARY OF WEIGHTS

COLUMN 1	*COLUMN 2*	*COLUMN 3*	*COLUMN 4*	*COLUMN 5*	* COLUMN 6 *	*COLUMN 7*	*COLUMN 8*	*COLUMN 9*
* TOWER *	*WIND ON *	*WIND ON *	* TOTAL *	* WEIGHT *	*WT. OF EA.*	* TOTAL *	*WT./SEC.*	* ACCUM. *
*SECTION *	* & UNIF.*	*CONCENTR.*	*WIND FOR*	*OF HDWE.*	*SECTION W/*	* ACCUM- *	* OF TOWER*	* WEIGHT *
* NUMBER *	* APPURT.*	* AREAS *	*EA. TWR.*	*FOR EACH*	*ICE/HDWE.-*	* ULATED *	* STEEL *	* OF TOWER*
	* (KIPS) *	* (KIPS) *	* (KIPS) *	* (KIPS) *	* (KIPS) *	* (KIPS) *	* (KIPS) *	* (KIPS) *
7NB	**N	1.733	4.383	6.115	3.00	3.56	3.56	.55 (.18) .55
7NST	**N	3.552	4.710	8.261	2.68	4.04	7.60	1.36 (.75) 1.91
7NST	**N	3.681	2.701	6.382	1.70	3.53	11.13	1.83 (1.22) 3.74
8N	**N	3.768	.000	3.768	.72	2.97	14.10	2.25 (1.55) 5.99
9NH	**N	4.213	.000	4.213	.72	3.83	17.93	3.11 (2.27) 9.11
10NH	**N	4.896	4.118	9.014	3.34	6.79	24.72	3.45 (2.50) 12.56
11N	**N	5.573	4.002	9.575	3.58	7.16	31.89	3.58 (2.17) 16.14
12NH	**N	6.697	3.870	10.567	3.90	9.31	41.20	5.41 (3.68) 21.55
13NH	**N	7.230	.000	7.230	1.60	7.85	49.04	6.25 (4.29) 27.80
14NH	**N	7.846	.000	7.846	1.60	10.07	59.11	8.47 (5.74) 36.27
15NH	**N	7.652	.000	7.652	1.60	10.26	69.37	8.66 (5.16) 44.93
16NHMW	**N	7.215	.000	7.215	1.60	10.54	79.91	8.94 (5.30) 53.87
MWK	***	5.286	.000	5.286	1.60	9.29	89.20	7.69 61.56

TOTAL INCREASED TOWER WEIGHT, IN ADDITION TO THE STANDARD TOWER SECTIONS = 34.82 KIPS

***** SECTION STATUS INDICATORS *****

FOR EXAMPLE, 7NB

**N
 ---...HORIZONTAL BRACE INDICATOR
 |...DIAGONAL BRACE INDICATOR
LEG INDICATOR

INDICATORS ARE: . (PERIOD) ---- = MEMBER NOT BEEFED
 * (ASTERISK) -- = MEMBER BEEFED
 ! (EXCLAMATION) = NO MEMBER LARGE ENOUGH
 ? (QUESTION) -- = INCORRECT DATA
 N ----- = NOT APPLICABLE

SHEARS, OVERTURNING MOMENTS AND LEG DATA

COLUMN 10	*COLUMN 11*	*COLUMN 12*	*COLUMN 13*	*COLUMN 14*	*COLUMN 15*	*COLUMN 16*	*COLUMN 17*	*COLUMN 18*
* TOWER * * SECTION * * NUMBER *	* DIST- * * ANCE * * BELOW * * TOP * * (FT.) *	* APPROX. * * CENTER- * * CENTER * * OF LEGS * * (FT.) *	* TOTAL * * ACCUM. * * SHEAR ON * * TOWER * * (KIPS) *	* TOTAL * * OVER- * * TURNING * * MOMENTS * * (FT-KIPS) *	* MAXIMUM * * TENSION * * FOR ONE * * LEG * * (KIPS) *	* MAXIMUM * * COMP. * * FOR ONE * * LEG * * (KIPS) *	* MAXIMUM * * ALLOWABLE * * LEG * * CAPACITY * * (KIPS) *	* TOWER * * LEG * * DIMENSION * * (INCHES) *
7NB **N	10.0	6.58	6.12	39.73	5.89	8.36 [.15]	56.91	PIPE2.5STD
7NST **N	30.0	6.63	14.38	244.36	40.33	45.72 [.59]	78.03	PIPE3.0STD
7NST **N	50.0	6.72	20.76	568.69	94.61	102.59 [.64]	160.19	PIPE4.0E.H
8N **N	70.0	8.76	24.53	1021.53	130.69	140.89 [.64]	221.37	PIPE5.0E.H
9NH **N	90.0	10.87	28.74	1554.18	160.12	173.12 [.58]	298.35	PIPE6.0E.H
10NH **N	110.0	12.91	37.75	2217.97	191.42	209.22 [.70]	298.35	PIPE6.0E.H
11N **N	130.0	14.92	47.33	3067.66	228.46	251.40 [.84]	298.35	PIPE6.0E.H
12NH **N	150.0	17.10	57.89	4117.33	266.51	296.12 [.87]	342.05	PIPE8.0EHS
13NH **N	170.0	19.04	65.12	5347.52	310.57	345.95 [.79]	439.69	PIPE8.0E.H
14NH **N	190.0	21.30	72.97	6728.47	348.25	390.88 [.68]	578.32	PIPE10.E.H
15NH **N	210.0	23.21	80.62	8264.39	391.74	441.73 [.76]	578.32	PIPE10.E.H
16NHMW **N	230.0	25.39	87.84	9948.98	430.07	487.62 [.84]	578.32	PIPE10.E.H
MWK ***	250.0	27.97	93.12	11758.57	460.47	524.76 [.91]	578.32	PIPE10.E.H

<<<< NOTE >>>> THE ALLOWABLE CAPACITIES ON THIS ANALYSIS INCLUDE A 33.3 PERCENT INCREASE.
 <<<< NOTE >>>> [] SHOWS LOAD/CAPACITY RATIO.

REACTIONS FOR FOUNDATION DESIGN

 COMPRESSION/LEG 524.76 KIPS
 TENSION/LEG 460.47 KIPS
 SHEAR/LEG 62.08 KIPS
 TOTAL SHEAR 93.12 KIPS
 OVERTURNING MOMENT 11758.57 FT-KIPS

ANCHOR BOLTS REQUIRED (48) 1" φ x 78" A.E.

BRACING LOADS, SIZES AND BOLTS

*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
COLUMN 19	*COLUMN 20*	*COLUMN 21*	*COLUMN 22*	*COLUMN 23*	*COLUMN 24*	*COLUMN 25*	*COLUMN 26*	*COLUMN 27*	*COLUMN 28*	*COLUMN 29*
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
* TOWER *	* HORIZ. *	* HORIZ. *	*REMAINING*	*MAX.AXIAL*	*AXIAL LD.*	*ANGLE/PIPE*	* * *	*NO.& SIZE*	* * *	* * *
* SECTION *	* COMP. OF*	* COMP. *	* SHEAR TO*	*LOAD FOR *	* COLUMN *	*/SOLID RD.*	* BRACE *	* OF BRACE*	* * *	* * *
* NUMBER *	* SHEAR IN*	* OF LEG *	* BE TAKEN*	* TOWER *	*CAPACITY *	*BAR/ BRACE*	* CONNECT.*	* BOLTS *	* * *	* * *
*****	* ONE FACE*	* LOAD *	*BY BRACES*	* BRACING *	*OF BRACES*	* DIMENSION*	* CAPACITY*	*REQUIRED *	* * *	* * *
*****	(KIPS) *	(KIPS) *	(KIPS) *	(KIPS) *	(KIPS) *	(INCHES) *	(KIPS) *	PER CONN.*	*****	*****
7NB	**N	4.889	.000	4.889	2.784 [.41]	8.078	L1.75X3/16	<M>	6.80	1-5/8 IN. DIA. .250 IN. CLIP
7NST	**N	13.244	.000	13.244	7.541 [.88]	14.371	L 2X2X1/4		8.59	1-5/8 IN. DIA. .250 IN. CLIP
7NST	**N	19.642	.000	19.642	11.184 [.97]	14.371	L 2X2X1/4 +0.1316" ED.	<M>	11.50	1-5/8 IN. DIA(*) .250 IN. CLIP
8N	**N	20.799	7.771	13.028	7.345 [.81]	9.290	L 2X2X1/4	<M>	9.06	1-5/8 IN. DIA.* .250 IN. CLIP
9NH	**N	22.745	9.530	13.215	7.615 [.70]	11.311	L2-1/2X1/4	<M>	10.88	1-3/4 IN. DIA. .375 IN. CLIP
10NH	**N	28.601	11.451	17.150	9.473 [.78]	15.174	L 3X3X1/4	<M>	12.19	1-3/4 IN. DIA. .375 IN. CLIP
11N	**N	34.870	13.707	21.163	11.632 [.98]	11.824	L 3X3X1/4	<M>	12.19	1-3/4 IN. DIA. .375 IN. CLIP
12NH	**N	41.786	16.056	25.730	15.135 [.93]	28.063	L 4X4X3/8	<C>	16.31	1-3/4 IN. DIA(*) .375 IN. CLIP
13NH	**N	46.280	18.720	27.559	15.721 [.96]	23.563	L 4X4X3/8	<C>	16.31	1-3/4 IN. DIA(*) .375 IN. CLIP
14NH	**N	51.207	21.059	30.148	16.730 [.88]	39.751	L 5X5X3/8	<M>	19.03	1-7/8 IN. DIA(*) .375 IN. CLIP
15NH	**N	56.097	23.736	32.361	17.781 [.93]	33.944	L 5X5X3/8	<M>	19.03	1-7/8 IN. DIA(*) .375 IN. CLIP
16NHMW	**N	60.705	28.419	32.286	17.388 [.91]	29.299	L 5X5X3/8	<M>	19.03	1-7/8 IN. DIA(*) .375 IN. CLIP
MWK	***	64.031	35.030	29.001	25.355 [.83]	30.675	PIPE3.0STD .375 IN. END PLATE	<M>	48.94	3-3/4 IN. DIA(*) .375 IN. CLIP
					14.500 [.51]	28.581(H)	PIPE3.0STD (H) .375 IN. END PLATE	<M>	32.63(H)	2-3/4 IN. DIA(*) .375 IN. CLIP

<<<< NOTE >>>> THE ALLOWABLE CAPACITIES ON THIS ANALYSIS INCLUDE A 33.3 PERCENT INCREASE.
 <<<< NOTE >>>> [] SHOWS MAX.LOAD/CAPACITY RATIO.

IF THE SYMBOL--(*)--APPEARS AFTER THE BOLT SIZE, IT INDICATES THAT THREADS MUST BE EXCLUDED FROM SHEAR PLANES.
 IF THE SYMBOL--(H)--APPEARS AFTER THE LOADS ABOVE, IT INDICATES THAT THE LOADS ARE FOR THE MAIN HORIZONTAL.
 IF THE SYMBOL--*--APPEARS AFTER THE CLIP SIZE, IT INDICATES THAT THE HORIZONTAL BRACE CONTROLLED THE CLIP AND BOLT SIZE.
 IF THE SYMBOL--(+)--APPEARS AFTER THE DIAGONAL CAPACITY(COL. 24), IT INDICATES THE HORIZONTAL BRACE CAPACITY CONTROLS THE DIAGONAL BRACE CAPACITY.

THE LETTER APPEARING BEFORE THE CONNECTION CAPACITY IN COLUMN 26 INDICATES THE CONTROLLING FACTOR.
 = BRACE BOLT CONTROLS CONNECTION CAPACITY; <C> = BRACE CLIP CONTROLS; <M> = BRACE CONTROLS.

TWIST AND DEFLECTION DATA

***** *COLUMN 28* *****	***** *COLUMN 29* *****	***** *COLUMN 30* *****	***** *COLUMN 31* *****	***** *COLUMN 32* *****
* TOWER * * SECTION * * NUMBER *	* TWIST * * FOR EACH * * TOWER * * SECTION * *(DEGREES)*	* TOTAL * * ACCUM- * * ULATED * * TWIST * *(DEGREES)*	* DEFLEC- * * TION FOR * * EA. TOWER * * SECTION * *(DEGREES)*	* TOTAL * * ACCUM- * * ULATED * * DEFL. * *(DEGREES)*
*****	*****	*****	*****	*****
7NB **N	.020	.536	.011	1.191
7NST **N	.099	.516	.114	1.181
7NST **N	.156	.417	.162	1.066
8N **N	.093	.261	.134	.905
9NH **N	.047	.168	.102	.771
10NH **N	.033	.121	.106	.668
11N **N	.031	.088	.112	.562
12NH **N	.012	.056	.098	.450
13NH **N	.010	.044	.081	.352
14NH **N	.007	.034	.065	.271
15NH **N	.006	.027	.068	.206
16NHMW **N	.005	.021	.069	.137
MWK ***	.016	.016	.068	.068

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DESCRIPTION OF LOADS	ANTENNA ELEVATION (FEET)	WIND PRESSURE (K/SQ-FT)	EFF. ANT. PROJ.AREA (SQ.FT.)	DEAD LOAD OF ANT. (KIPS)	PROJ. AREA OF APPURTENANCES (SQ.FT./FT.)				DEAD LOAD OF APPUR. (KIPS/FT)	EFF.PROJ. AREA*M.A. (SQ.FT-FT)	ASSUMED TORQUE (FT-K)
					ROUNDS	FACE	FLATS	FACE			
15' MTG FRAME -----	130.0	.0263	.00	.00	.000	0	.750	2	.010	.00	.00
-----	130.0	.0263	.00	.00	.000	0	.750	3	.010	.00	.00
12-ALP9212 ON -----	110.0	.0255	139.00	3.70	.252	1	1.359	1	.023	156.00	3.97
15' MTG FRAME -----	110.0	.0255	.00	.00	.252	2	1.359	2	.023	.00	.00

WINDLOAD ON TOWER SECTIONS AND SUMMARY OF WEIGHTS

***** *COLUMN 1* * TOWER * * *SECTION * * * NUMBER * *****	***** *COLUMN 2* *WIND ON * * SECTION* * & UNIF.* * APPURT.* * (KIPS) * *****	***** *COLUMN 3* *WIND ON * *CONCENTR.* *EFF.PROJ* * AREAS * * (KIPS) * *****	***** *COLUMN 4* * TOTAL * *WIND FOR* *EA. TWR.* * SECTION* * (KIPS) * *****	***** *COLUMN 5* * WEIGHT * *OF HDWE.* *FOR EACH* * SECTION* * (KIPS) * *****	***** * COLUMN 6 * *WT. OF EA.* *SECTION W/* *ICE/HDWE.-* *IF PRESENT* * (KIPS) * *****	***** *COLUMN 7* * TOTAL * * ACCUM- * * ULATED * *SEC.WTS.* * (KIPS) * *****	***** *COLUMN 8* *WT./SEC.* *OF TOWER* * STEEL * * ONLY * * (KIPS) * *****	***** *COLUMN 9* * ACCUM. * * WEIGHT * *OF TOWER* * STEEL * * (KIPS) * *****
7NB-1 **N	1.685	3.556	5.241	4.35	5.16	5.16	.55 (.18)	.55
7NST-1 **N	3.544	3.532	7.076	3.60	5.39	10.55	1.36 (.75)	1.91
7NST-1 **N	3.674	2.026	5.699	2.56	4.82	15.37	1.83 (1.22)	3.74
8N-1 **N	3.725	.000	3.725	1.42	4.11	19.48	2.25 (1.55)	5.99
9NH-1 **N	4.072	.000	4.072	1.42	5.01	24.49	3.11 (2.27)	9.11
10NH-1 **N	4.755	3.766	8.520	5.42	9.44	33.94	3.45 (2.50)	12.56
11N-1 **N	5.584	3.659	9.243	6.02	10.36	44.30	3.58 (2.17)	16.14
12NH-1 **N	6.712	3.539	10.251	6.78	12.94	57.24	5.41 (3.68)	21.55
13NH-1 **N	7.298	.000	7.298	3.54	10.68	67.92	6.25 (4.29)	27.80
14NH-1 **N	7.683	.000	7.683	3.54	12.99	80.91	8.47 (5.74)	36.27
15NH-1 **N	7.486	.000	7.486	3.54	13.02	93.93	8.66 (5.16)	44.93
16NHMW-1 **N	7.048	.000	7.048	3.54	13.75	107.68	8.94 (5.30)	53.87
MWK-1 ***	5.573	.000	5.573	3.54	12.16	119.84	7.69	61.56

TOTAL INCREASED TOWER WEIGHT, IN ADDITION TO THE STANDARD TOWER SECTIONS = 34.82 KIPS

***** SECTION STATUS INDICATORS *****

FOR EXAMPLE, 7NB-1

**N
 ---...HORIZONTAL BRACE INDICATOR
 ||...DIAGONAL BRACE INDICATOR
LEG INDICATOR

INDICATORS ARE: . (PERIOD) ---- = MEMBER NOT BEEFED
 * (ASTERISK) -- = MEMBER BEEFED
 ! (EXCLAMATION) = NO MEMBER LARGE ENOUGH
 ? (QUESTION) -- = INCORRECT DATA
 N ----- = NOT APPLICABLE

SHEARS, OVERTURNING MOMENTS AND LEG DATA

COLUMN 10	*COLUMN 11*	*COLUMN 12*	*COLUMN 13*	*COLUMN 14*	*COLUMN 15*	*COLUMN 16*	*COLUMN 17*	*COLUMN 18*
* TOWER * * SECTION * * NUMBER *	* DIST- * * ANCE * * BELOW * * TOP * * (FT.) *	* APPROX. * * CENTER- * * OF LEGS * * (FT.) *	* TOTAL * * ACCUM. * * SHEAR ON * * TOWER * * (KIPS) *	* TOTAL * * OVER- * * TURNING * * MOMENTS * * (FT-KIPS) *	* MAXIMUM * * TENSION * * FOR ONE * * LEG * * (KIPS) *	* MAXIMUM * * COMP. * * FOR ONE * * LEG * * (KIPS) *	* MAXIMUM * * ALLOWABLE * * LEG * * CAPACITY * * (KIPS) *	* TOWER * * LEG * * DIMENSION * * (INCHES) *
7NB-1 **N	10.0	6.58	5.24	33.42	4.32	7.95 [.14]	56.91	PIPE2.5STD
7NST-1 **N	30.0	6.63	12.32	208.57	33.40	41.05 [.53]	78.03	PIPE3.0STD
7NST-1 **N	50.0	6.72	18.02	491.64	80.46	91.77 [.57]	160.19	PIPE4.0E.H
8N-1 **N	70.0	8.76	21.74	889.20	112.21	126.74 [.57]	221.37	PIPE5.0E.H
9NH-1 **N	90.0	10.87	25.81	1364.74	138.79	157.14 [.53]	298.35	PIPE6.0E.H
10NH-1 **N	110.0	12.91	34.33	1964.61	166.96	192.18 [.64]	298.35	PIPE6.0E.H
11N-1 **N	130.0	14.92	43.58	2742.21	200.82	233.71 [.78]	298.35	PIPE6.0E.H
12NH-1 **N	150.0	17.10	53.83	3713.45	236.12	278.68 [.81]	342.05	PIPE8.0EHS
13NH-1 **N	170.0	19.04	61.13	4862.99	277.79	328.64 [.75]	439.69	PIPE8.0E.H
14NH-1 **N	190.0	21.30	68.81	6162.34	313.83	374.52 [.65]	578.32	PIPE10.E.H
15NH-1 **N	210.0	23.21	76.30	7613.38	355.35	425.90 [.74]	578.32	PIPE10.E.H
16NHMW-1 **N	230.0	25.39	83.34	9209.77	392.02	472.92 [.82]	578.32	PIPE10.E.H
MWK-1 ***	250.0	27.97	88.92	10932.37	421.63	511.81 [.88]	578.32	PIPE10.E.H

<<<< NOTE >>>> THE ALLOWABLE CAPACITIES ON THIS ANALYSIS INCLUDE A 33.3 PERCENT INCREASE.
 <<<< NOTE >>>> [] SHOWS LOAD/CAPACITY RATIO.

REACTIONS FOR FOUNDATION DESIGN

 COMPRESSION/LEG 511.81 KIPS
 TENSION/LEG 421.63 KIPS
 SHEAR/LEG 59.28 KIPS
 TOTAL SHEAR 88.92 KIPS
 OVERTURNING MOMENT 10932.37 FT-KIPS

ANCHOR BOLTS REQUIRED _____

BRACING LOADS, SIZES AND BOLTS

COLUMN 19	*COLUMN 20*	*COLUMN 21*	*COLUMN 22*	*COLUMN 23*	*COLUMN 24*	*COLUMN 25 *	*COLUMN 26*	*COLUMN 27*
* TOWER * * SECTION * * NUMBER *	* HORIZ. * * COMP. OF * * SHEAR IN * * ONE FACE * * (KIPS) *	* HORIZ. * * COMP. * * OF LEG * * LOAD * * (KIPS) *	*REMAINING* * SHEAR TO* * BE TAKEN* *BY BRACES* * (KIPS) *	*MAX.AXIAL* *LOAD FOR * * TOWER * * BRACING * * (KIPS) *	*AXIAL LD.* * COLUMN * *CAPACITY * *OF BRACES* * (KIPS) *	*ANGLE/PIPE* */SOLID RD.* *BAR/ BRACE* * DIMENSION* * (INCHES) *	* BRACE * * CONNECT.* * CAPACITY* * (KIPS) *	*NO. & SIZE* * OF BRACE* * BOLTS * *REQUIRED * *PER CONN.* *****
7NB-1 **N	4.156	.000	4.156	2.366 [.35]	8.078	L1.75X3/16	<M> 6.80	1-5/8 IN. DIA. .250 IN. CLIP
7NST-1 **N	11.008	.000	11.008	6.268 [.73]	14.371	L 2X2X1/4	 8.59	1-5/8 IN. DIA. .250 IN. CLIP
7NST-1 **N	16.414	.000	16.414	9.346 [1.03]	14.371	L 2X2X1/4	<M> 9.06	1-5/8IN.DIA(*) .250 IN. CLIP
8N-1 **N	17.869	6.764	11.105	6.261 [.73]	9.290	L 2X2X1/4	 8.59	1-5/8 IN. DIA. .250 IN. CLIP
9NH-1 **N	19.929	8.368	11.561	6.662 [.61]	11.311	L2-1/2X1/4	<M> 10.88	1-3/4 IN. DIA. .375 IN. CLIP
10NH-1 **N	25.558	10.143	15.415	8.514 [.70]	15.174	L 3X3X1/4	<M> 12.19	1-3/4 IN. DIA. .375 IN. CLIP
11N-1 **N	31.678	12.253	19.426	10.677 [.90]	11.824	L 3X3X1/4	<M> 12.19	1-3/4 IN. DIA. .375 IN. CLIP
12NH-1 **N	38.447	14.481	23.966	14.097 [.86]	28.063	L 4X4X3/8	<C> 16.31	1-3/4IN.DIA(*) .375 IN. CLIP
13NH-1 **N	43.050	17.024	26.026	14.847 [.91]	23.563	L 4X4X3/8	<C> 16.31	1-3/4IN.DIA(*) .375 IN. CLIP
14NH-1 **N	47.929	19.287	28.642	15.894 [.84]	39.751	L 5X5X3/8	<M> 19.03	1-7/8IN.DIA(*) .375 IN. CLIP
15NH-1 **N	52.750	21.866	30.884	16.969 [.89]	33.944	L 5X5X3/8	<M> 19.03	1-7/8IN.DIA(*) .375 IN. CLIP
16NHMW-1 **N	57.287	26.308	30.979	16.684 [.88]	29.299	L 5X5X3/8	<M> 19.03	1-7/8IN.DIA(*) .375 IN. CLIP
MWK-1 ***	60.843	32.569	28.274	24.720 [.81]	30.675	PIPE3.0STD .375 IN. END PLATE	<M> 48.94	3-3/4IN.DIA(*) .375 IN. CLIP
				14.137 [.49]	28.581(H)	PIPE3.0STD (H) .375 IN. END PLATE	<M> 32.63(H)	2-3/4IN.DIA(*) .375 IN. CLIP

<<<< NOTE >>>> THE ALLOWABLE CAPACITIES ON THIS ANALYSIS INCLUDE A 33.3 PERCENT INCREASE.
 <<<< NOTE >>>> [] SHOWS MAX.LOAD/CAPACITY RATIO.

IF THE SYMBOL--(*)--APPEARS AFTER THE BOLT SIZE, IT INDICATES THAT THREADS MUST BE EXCLUDED FROM SHEAR PLANES.
 IF THE SYMBOL--(H)--APPEARS AFTER THE LOADS ABOVE, IT INDICATES THAT THE LOADS ARE FOR THE MAIN HORIZONTAL.
 IF THE SYMBOL--*--APPEARS AFTER THE CLIP SIZE, IT INDICATES THAT THE HORIZONTAL BRACE CONTROLLED THE CLIP AND BOLT SIZE
 IF THE SYMBOL--(+)--APPEARS AFTER THE DIAGONAL CAPACITY(COL. 24), IT INDICATES THE HORIZONTAL BRACE CAPACITY CONTROLS
 THE DIAGONAL BRACE CAPACITY.

THE LETTER APPEARING BEFORE THE CONNECTION CAPACITY IN COLUMN 26 INDICATES THE CONTROLLING FACTOR.
 = BRACE BOLT CONTROLS CONNECTION CAPACITY; <C> = BRACE CLIP CONTROLS; <M> = BRACE CONTROLS.

DATE-06/25/98
TIME-16:54:55
LEVEL - 4R4.1NT

ROHN SELF-SUPPORTING TOWER ANALYSIS FOR RADIO COMMUNICATIONS SERVICE CO
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PAGE NO. 6
BY: JPG

TWIST AND DEFLECTION DATA

*****	*****	*****	*****	*****
COLUMN 28	*COLUMN 29*	*COLUMN 30*	*COLUMN 31*	*COLUMN 32*
*****	*****	*****	*****	*****
* TOWER *	* TWIST *	* TOTAL *	* DEFLEC- *	* TOTAL *
* * *	* FOR EACH*	* ACCUM- *	* TION FOR *	* ACCUM- *
* SECTION *	* TOWER *	* ULATED *	*EA. TOWER*	* ULATED *
* * *	* SECTION *	* TWIST *	* SECTION *	* DEFL. *
* NUMBER *	*(DEGREES)*	*(DEGREES)*	*(DEGREES)*	*(DEGREES)*
*****	*****	*****	*****	*****

7NB-1	**N	.016	.412	.009	1.056
7NST-1	**N	.075	.396	.097	1.047
7NST-1	**N	.119	.321	.139	.950
8N-1	**N	.071	.202	.116	.810
9NH-1	**N	.036	.132	.090	.694
10NH-1	**N	.026	.096	.094	.605
11N-1	**N	.025	.070	.099	.511
12NH-1	**N	.010	.045	.088	.411
13NH-1	**N	.008	.035	.073	.323
14NH-1	**N	.005	.027	.060	.250
15NH-1	**N	.005	.022	.063	.190
16NHMW-1	**N	.004	.017	.064	.127
MWK-1	***	.013	.013	.063	.063

Network Dept.



Verizon Wireless
20 Alexander Drive
Wallingford, Connecticut 06492

August 7, 2000

Honorable Joseph P. Ganim, Mayor
City Hall Building
45 Lyon Terrace
Bridgeport, Connecticut 06604

Dear Mr. Ganim:

This letter is to inform you that Cellco Partnership d/b/a Verizon Wireless plans to install antennas and associated equipment at the existing tower facility located at 623 Pine Street, Bridgeport, Connecticut. I am enclosing a copy of Verizon Wireless's tower sharing application to the Connecticut Siting Council.

The application fully sets forth the Company's proposal. However, if you have any questions or require further information on our plans or the Siting Council's procedures, please contact me at (203) 294-8519 or Mr. Joel Rinebold, Executive Director of the Connecticut Siting Council at (860) 827-2935.

Sincerely,

A handwritten signature in cursive script that reads "Sandy M. Carter".

Sandy M. Carter
Manager – Regulatory
Verizon Wireless

Enclosure

Network Dept.

TS-BAM-015-000807

verizonwireless

Verizon Wireless
20 Alexander Drive
Wallingford, Connecticut 06492

RECEIVED

AUG -7 2000

CONNECTICUT
SITING COUNCIL

August 7, 2000

HAND DELIVERED

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: Request by Cellco Partnership d/b/a Verizon Wireless for an Order to Approve the Shared Use of a Tower Facility located at 623 Pine Street, Bridgeport, Connecticut.

Dear Chairman Gelston:

Pursuant to Connecticut General Statutes (C.G.S.) Sec. 16-50aa, Cellco Partnership d/b/a Verizon Wireless hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed shared use by Verizon Wireless of an existing tower located at 623 Pine Street, Bridgeport, Connecticut. Radio Communications Service Company owns the property and the tower. As shown on the attached drawing and as further described below, Verizon Wireless proposes to install antennas on the existing tower and to locate its equipment in a portion of the existing equipment building located at the base of the tower. Verizon Wireless requests that the Council finds that the proposed shared use of the tower facility satisfy the criteria stated in C.G.S. Sec. 16-50aa, and to issue an order approving the proposed shared use.

Background

Verizon Wireless is licensed by the Federal Communications Commission to provide cellular telephone service in the Fairfield County New England County Metropolitan Area (NECMA), which includes the area to be served by the proposed Bridgeport installation.

The facility at 623 Pine Street in Bridgeport, consists of a 277-foot AGL (overall height including all antennas) steel lattice type tower. The lattice tower supports several antennas, which provide paging and other communications service to the public pursuant to a FCC license. Also shown on the enclosed site plan is the proposed location of antennas for Voicestream Wireless. Although these antennas have not been mounted on the tower at this time, they have been included in the power density calculation as proposed antennas. Verizon Wireless and Radio Communications Service Company have agreed to the proposed-shared use of this tower pursuant to mutually acceptable terms and conditions. Radio Communications Service Company has authorized Verizon Wireless to apply for all necessary permits, approvals and authorizations which may be required for the proposed shared use of this facility.

Verizon Wireless proposes to install twelve (12) Decibel Model DB844H90 antennas, approximately 48 inches in height on a platform with their center of radiation at approximately 110 feet above ground level ("AGL"). Verizon Wireless will also install one (1) GPS antenna on the tower. Equipment associated with these antennas will be located in a room within the existing

building. A 40kw emergency stand-by generator fueled by natural gas will be located on the roof of the existing building.

C.G.S. Sec. 16-50aa 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" (C.G.S. Sec. 16-50aa(c)(1).)

Discussion

A. Technical Feasibility. The existing tower is structurally sound and capable of supporting the proposed Verizon antennas. Enclosed is the structural analysis performed on the tower. Verizon engineers have determined that the proposed antenna installations present minimal potential for interference to or from existing radio transmissions from this location. In addition, the applicant is unaware of any occasion where its operations have caused interference with AM, FM, or television reception. The proposed shared use of this tower therefore is technically feasible.

B Legal Feasibility. Under C.G.S. Sec. 16-50aa, the Council has been authorized to issue an order approving the proposed-shared use of an existing communications tower facility such as the facility at 623 Pine Street (C.G.S. Sec. 16-50aa(c)(1).) This authority complements the Council's prior-existing authority under C.G.S. Sec. 16-50p to issue orders approving the construction of new towers that are subject to the Council's jurisdiction. C.G.S. Section 16-50x(a) directs the Council to "give 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 authority vested in the Council by C.G.S. Sec. 16-50aa, an order by the Council approving the 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 installations would have an insignificant incremental visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics of the existing site. The addition of the proposed antennas would not increase the height of the tower, and would not extend the boundaries of the tower site, including the placement of the equipment within the existing building near the base of the existing tower.

2. The proposed installation would not increase the noise levels at the existing facility by six decibels or more. The only additional noise will occur during emergency use or periodic exercising of the generator.

3. Operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base to a level at or above the applicable standard. "Worst-case" exposure calculations for a point at the base of the tower in relation to operation of each of Verizon's and other existing antenna arrays are as follows:

	<u>Applicable ANSI Stnd.</u>	<u>Calculated "Worst-Case"</u>	<u>Percentage of Stnd.</u>
<u>Verizon</u>	0.583 mW/cm2	0.0564 mW/cm2	9.68 %
<u>Voicestream</u>	1.000 mW/cm2	0.022532 mW/cm2	2.2532%
<u>162 MHz @RC 272'</u> <u>total ERP: 500w ERP</u>	0.2 mW/cm2	0.0024 mW/cm2	1.21%
<u>930MHz @RC 267'</u> <u>total ERP: 10,500w ERP</u>	0.62 mW/cm2	0.0529 mW/cm2	8.54%
<u>450MHz @RC 260' - 272'</u> <u>using 260' as worst case</u> <u>total ERP: 3710w ERP</u>	0.3 mW/cm2	0.0197 mW/cm2	<u>6.57%</u>
		Total	28.2532%

*Voicestream info supplied by Voicestream
 **Frequencies & Antenna info supplied by
 Radio Communications Service Company

Power density calculations performed by David Malko, P.E. Verizon Wireless

The collective "worst-case" exposure would be only 28.2532 % of the ANSI standard, as calculated for mixed frequency sites. Power density levels from shared use of the tower facility would thus be well below applicable ANSI standards.

4. The proposed installations would not require any water or sanitary facilities, or generate discharges to water bodies. Operation of the emergency back-up generator will result in limited air emission; pursuant to R.C.S.A. Section 22a-174-3, the generator will require the issuance of a permit from the Department of Environmental Protection Bureau of Air Management. After construction is complete, the proposed installation would not generate any traffic other than periodic maintenance visits. The proposed use of this facility would therefore have a minimal environmental effect, and is environmentally feasible.

Mortimer A. Gelston
August 7, 2000
Page 4

D. Economic Feasibility. As previously mentioned, the tower owner and the applicant has entered into a mutual agreement to share use of the existing tower on terms agreeable to the parties, and the proposed tower sharing is thus economically feasible.

E. Public Safety Concerns. As stated above, the existing tower is structurally capable of supporting the proposed Verizon antennas. The Applicant is not aware of any other public safety concerns relative to the proposed tower sharing of the existing tower. In fact, the provision of new or improved cellular phone service in the Bridgeport area, especially along the heavily traveled Interstate 95 and surrounding area, through shared use of the tower is expected to enhance the safety and welfare of area residents and travelers. The public safety benefits of wireless service are further illustrated by the decision of local authorities elsewhere in Connecticut to provide cellular phones to the residents to improve local public safety and emergency communications. The proposed-shared use of this facility would likewise improve public safety in the Bridgeport area.

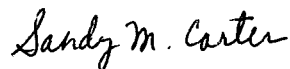
Conclusion

For the reasons discussed above, the proposed shared use of the existing telecommunications tower facility at 623 Pine Street satisfies the criteria stated in C.G.S. Sec. 16-50aa, and advances the General Assembly's and the Council's goal of preventing the proliferation of towers in Connecticut. The Applicant therefore requests that the Council issue an order approving the proposed shared use.

Thank you for your consideration of this matter.

Pursuant to Connecticut General Statutes, Section 16-50v and Section 16-50v-1(a) of the Regulations of Connecticut State Agencies, Verizon Wireless has previously submitted a check in the amount of \$500.00 for the required filing fee and the check has been deposited in your account.

Respectfully yours,



Sandy M. Carter
Manager – Regulatory
Verizon Wireless

Attachment
cc: Honorable Joseph P. Ganim, Mayor

Radio Communications Service Co.

24 ROCKDALE ROAD • WEST HAVEN, CT 06516 • 203-933-2432

June 9, 2000


Sandy Carter
Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

Re: Verizon Wireless - Radio Communications Corp
Bridgeport S.W.
Site # BRG2096

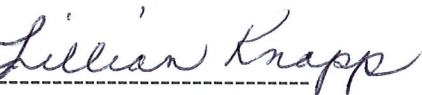
Dear Ms. Carter,

This will advise that Verizon - Wireless is authorized to apply to the Connecticut Siting Council and the City of Bridgeport, for necessary permits in connection with the proposed Tower Lease Agreement for the above site.

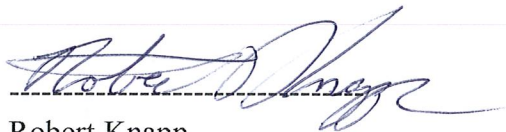
Thank You,



Andrew Knapp



Lillian Knapp



Robert Knapp



Base Station Antennas

Ideal for cellular and trunking/ESMR applications, these high quality log periodics are now available from Decibel in four new models with 80 or 90 degree horizontal apertures. They're compact, lightweight, and provide an **unmatched front-to-back ratio of 40 dB**.

- **Less Wind Loading** - They measure only 24 or 48 inches (610 or 1219 mm) tall, 8.5 inches deep (216 mm), and 6 inches wide (152 mm). They weigh only 5 or 10 pounds.
- **Downtilt** - Electrical downtilt is available on all 4-foot models, 6°, 8°, 11°, 13°, or for mechanical downtilt, order DB5083 bracket.
- **Null-Fill** - Four-foot models provide null-fill and upper lobe suppression.
- **Most Stringent IM Test** - Each antenna is tested for the absence of IM with 16 carriers at 500 watts of composite power.
- **Sturdy Construction** - Made in the U.S. of high-strength aluminum alloy backs, brass elements and UV resistant ABS plastic radomes. No rivets are used!
- **Lightning Resistant** - All metal parts are grounded.
- **Terminations and Mounts** - All models are available with N-Female or 7/16 DIN connectors. DB380 pipe mount is included.

Ordering information - See table for models to fit your requirements.

UPS Shippable

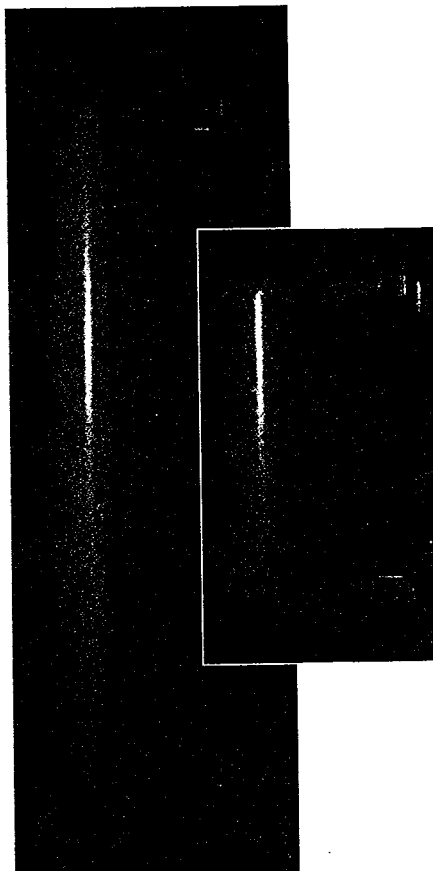
Models Available

Model*	DB842H80N-XY	DB844H80N-XY	DB842H90N-XY	DB844H90N-XY
Gain - dBd/dBi	10/12.1	13/15.1	9/11.1	12/14.1
F/B Ratio - dB	40	40	40	40
Horizontal beamwidth**	80°	80°	90°	90°
Vertical beamwidth**	30°	15°	30°	15°
Height - in. (mm)	24 (610)	48 (1219)	24 (610)	48 (1219)
Weight - lbs. (kg)	5 (2.3)	10 (4.6)	5 (2.3)	10 (4.6)
Shipping weight - lbs. (kg)	8 (3.6)	15 (6.8)	8 (3.6)	15 (6.8)

* For 7/16 DIN connectors substitute "E" for "N" in the model numbers. Example: DB842H80E-XY.

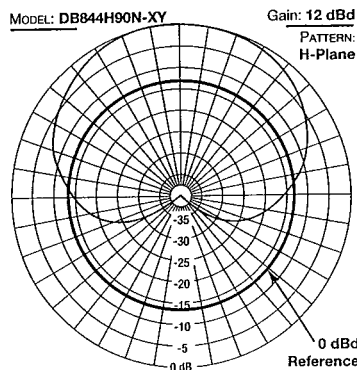
** 3 dB from maximum.

Side offset mounting bracket is included. For electrical downtilt of 6°, 8°, 11° or 13° add T6, T8, T11 or T13 before the "N" or "E" in any 4-foot model number. Example: DB844H80T6N-XY. Note: Electrical downtilt causes a gain loss of .05 dB, or, at the horizon, a reduction of 3, 6, 9 or 12 dB on downtilts of 6°, 8°, 11° or 13° respectively. For mechanical downtilt order DB5083 bracket.



4-Foot and 2-Foot dB DIRECTORS

Typical DB842H90N-XY, DB844H90N-XY Horizontal Pattern



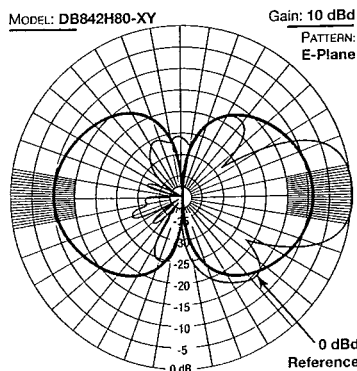
Mechanical Data

Width - in. (mm)	6 (152)
Depth - in. (mm)	8.5 (216)
Height	See table above
Maximum wind speed - mph (km/h)	125 (200)
Wind area - ft² (m²)	
24" (610 mm) antenna	1 (.093)
48" (1219 mm) antenna	2 (.186)
Wind load (at 100 mph/161 km/h) - lbf (N) kp	
24" (610 mm) antenna	40 (178) 18
48" (1219 mm) antenna	80 (356) 36
Radome	Gray ABS
Backplate	Passivated aluminum
Radiators	Brass
Mounting hardware	Galvanized steel
Weight	See table above

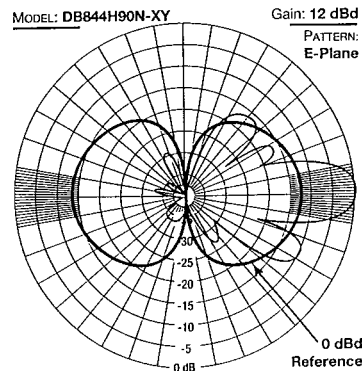
Electrical Data

Frequency Range - MHz	806-960
Gain - dBd	See table above
Front-to-back ratio - dB	>40
Beamwidths	See table above
VSWR	<1.5:1
Null-fill and secondary lobe suppression	On 48" (1219 mm) models only
Maximum power input - watts	500
Nominal impedance - ohms	50
Lightning protection	All metal parts grounded
Termination	N-Female or 7/16 DIN

Typical DB842H80-XY Vertical Pattern



Typical DB844H90N-XY Vertical Pattern





NO. 040284

APPLICATION FOR CERTIFICATE OF ZONING COMPLIANCE

ZONING COMMISSION CITY OF BRIDGEPORT, CONN.

CITY HALL 45 Lyon Terrace Room No. 206 Bridgeport, Conn.

Applicant Robert, Lillian & Andrew Knapp Date January 28, 1999

Address of Work 623 Pine Street

on the West side of the above street about 210 feet

North from Peerless Place Lot No. 25

Block No. 0307 as shown on Tax Assessor's Maps. C.A.M. Area NO Wetlands NO

Dimension of Lot: 40' x 100' x 40' x 100'

Size of Proposed Building or Addition Construction of a 250' radio tower No. Stories 250' (25)

Wood Frame Brick Veneer Masonry

Other Work (Describe in Detail) Construction of foundation and removal of

existing tower (ZBA APPROVAL # 98-79 DATED SEPT 28, 1998

Interior Alterations inc. to Equipment Storage, steel/mounting structure for telecommunications

Proposed Use (Describe in Detail) services. Common carrier wireless, TV, microwave, commercial mobile, Internet, Paging

Presently Existing Use Same as above Zone I-LI

Previous use and date discontinued (if applicable)

Signature [Signature] Print Name Robert C. Knapp

If signed by agent state capacity (attorney, builder, etc.)

Mailing Address 24 Rockdale Road, West Haven, CT, 06516 Phone No. 203-933-2432

INSTRUCTIONS

Fill Out This Application In Ink or Type

A detailed plot plan must be submitted with this application showing the proposed or existing lot and building dimensions and the location of all buildings in relation to the street line, side lot lines and rear lot line. NOTE: The occupancy and use of land, buildings and structures prior to the issuance of a Certificate of Zoning Compliance is prohibited. This is not the said certificate. Fees, payable at the time of making application, are not returnable and, are in an amount established by the Zoning Commission.

Fee received \$250 Date 1-27-99 By [Signature]

PLAN AND APPLICATION

C.A.M. APPROVAL

FINAL INSPECTION

APPROVED FOR ZONING COMPLIANCE ONLY ZONING DEPARTMENT CITY OF BRIDGEPORT, CONN. DATE: 1-27-99

Certificate Issued Date 19.....

