



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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

July 16, 1999

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

RE: TS-BAM-069-990701 - Bell Atlantic Mobile request for an order to approve tower sharing at an existing telecommunications facility located at 246 East Franklin Street in Danielson, Connecticut.

Dear Ms. Carter:

At a public meeting held July 15, 1999, 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.

This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. 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 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 June 30, 1999. Please notify the Council when all work is complete.

Very truly yours,

Mortimer A. Gelston  
Chairman

MAG/RKE/tsg

c: Honorable Marc Skocypec, Town Manager, Town of Danielson



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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

July 6, 1999

Mr. Marc A. Skocypec  
Town Manager  
Town of Killingly  
172 Main Street  
P.O. Box 6000  
Killingly, CT 06239

RE: TS-BAM-069-990701 - Bell Atlantic Mobile request for an order to approve tower sharing at an existing telecommunications facility located at 246 East Franklin Street in Danielson, Connecticut.

Dear Mr. Skocypec:

On July 1, 1999, the Connecticut Siting Council (Council) received a request from Bell Atlantic Mobile to approve tower sharing at an existing telecommunications facility located at 246 East Franklin Street in Danielson, Connecticut, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting scheduled for Thursday, July 15, 1999, at 1:30 p.m., in Hearing Room Three, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this modification of an existing facility.

Thank you for your cooperation and consideration.

Very truly yours,

Joel M. Rinebold  
Executive Director

JMR/tsg

Enclosure: Request for Tower Sharing

**Bell Atlantic Mobile**

20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492-2430  
203-269-8858

**RECEIVED**

JUL - 1 1999

CONNECTICUT  
SITING COUNCIL

June 30, 1999

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 Bell Atlantic Mobile for an Order to Approve the Shared Use of a Tower Facility located at 246 East Franklin, Danielson, Connecticut.

Dear Chairman Gelston:

Pursuant to Connecticut general Statutes (C.G.S.) Sec. 16-50aa, Cellco Partnership d/b/a Bell Atlantic Mobile ("BAM") hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed shared use by BAM of an existing tower located at 246 East Franklin Street, Danielson, Connecticut. The property is owned by Charles R. Hutchins, from which SBA Towers, Inc. leases property for the tower facility. Sprint Spectrum, L.P. has mounted antennas on the existing tower. As shown on the attached drawing and as further described below, BAM proposes to install antennas on the existing tower and to locate an equipment shelter at the base of the tower. BAM 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**

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

The facility at 246 East Franklin Street in Danielson, consists of a 160 foot AGL monopole type tower located on a leased parcel in which Sprint has located its equipment. The monopole tower supports several Sprint antennas, which provide mobile communications service to the public pursuant to a FCC license. BAM and SBA Towers, Inc. have agreed to the proposed shared use of this tower pursuant to mutually acceptable terms and conditions. SBA Towers, Inc. has authorized BAM to apply for all necessary permits, approvals and authorizations which may be required for the proposed shared use of this facility. (see enclosed letter)

BAM proposes to install twelve (12) Model DB844H80Din-XY antennas, approximately 48 inches in height, on a platform with their center of radiation at approximately 155 feet above ground level ("AGL"). BAM will also install one (1) GPS antenna on the tower. Equipment associated with these antennas, as well as a 40 KW diesel-fueled emergency stand-by generator, would be located in a new approximately 12-foot x 30-foot equipment building located at the base of the tower.

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 BAM antennas. BAM 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 246 East Franklin 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 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 BAM's and Sprint's antenna arrays are as follows:

	<u>Applicable ANSI Stnd.</u>	<u>Calculated "Worst-Case"</u>	<u>Percentage of Stnd.</u>
<u>BAM</u>	0.583 mW/cm2	0.0284 mW/cm2	4.88%
<u>Sprint</u>	1.000	0.0229 mW/cm2	2.29%

The collective "worst-case" exposure would be only 7.17% 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.

D. Economic Feasibility. As previously mentioned, the tower owner and the applicant have 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 BAM 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 Danielson area, especially along the heavily traveled Interstate 395 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 residents to improve local public safety and emergency communications. The proposed shared use of this facility would likewise improve public safety in the Danielson area.

Mr. Mortimer A. Gelston  
June 30, 1999  
Page 4

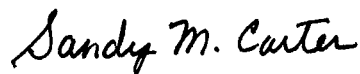
**Conclusion**

For the reasons discussed above, the proposed shared use of the existing telecommunications tower facility at 246 East Franklin 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, BAM has enclosed a check in the amount of \$500.00 for the required filing fee.

Respectfully yours,



Sandy M. Carter  
Manager – Regulatory  
Bell Atlantic Mobile

Attachments

cc: Mr. Marc Skocypec, Town Manager

**@Bell Atlantic Mobile**

20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492-2430  
203-269-8858



June 30, 1999

Mr. Marc Skocypec  
Town Manager  
Town of Killingly  
Town Hall  
172 Main Street  
Danielson, Connecticut 06239

Dear Mr. Skocypec:

This letter is to inform you that Cellco Partnership d/b/a Bell Atlantic Mobile plans to install antennas and associated equipment at the existing tower facility located at 246 East Franklin Street, Danielson, Connecticut. I am enclosing a copy of Bell Atlantic Mobile'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,

*Sandy M. Carter*

Sandy M. Carter  
Manager - Regulatory

Enclosure



June 29, 1999

Marc Gottesdiener  
Sandy Carter  
Bell Atlantic Mobile Services  
20 Alexander Drive  
Wallingford, CT 06492

RE: Bell Site: WIN019  
SBA Site: 8628  
Danielson, CT

Dear Marc and Sandy:

Pursuant to our Antenna Site Agreement for the above referenced site please consider this letter as our authorization for Bell Atlantic Mobile Services to file the applications necessary for the permitting of this facility.

If you have any questions or concerns, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul McGinn", is written over a large, stylized flourish that extends to the left and then loops back to the right.

Paul McGinn

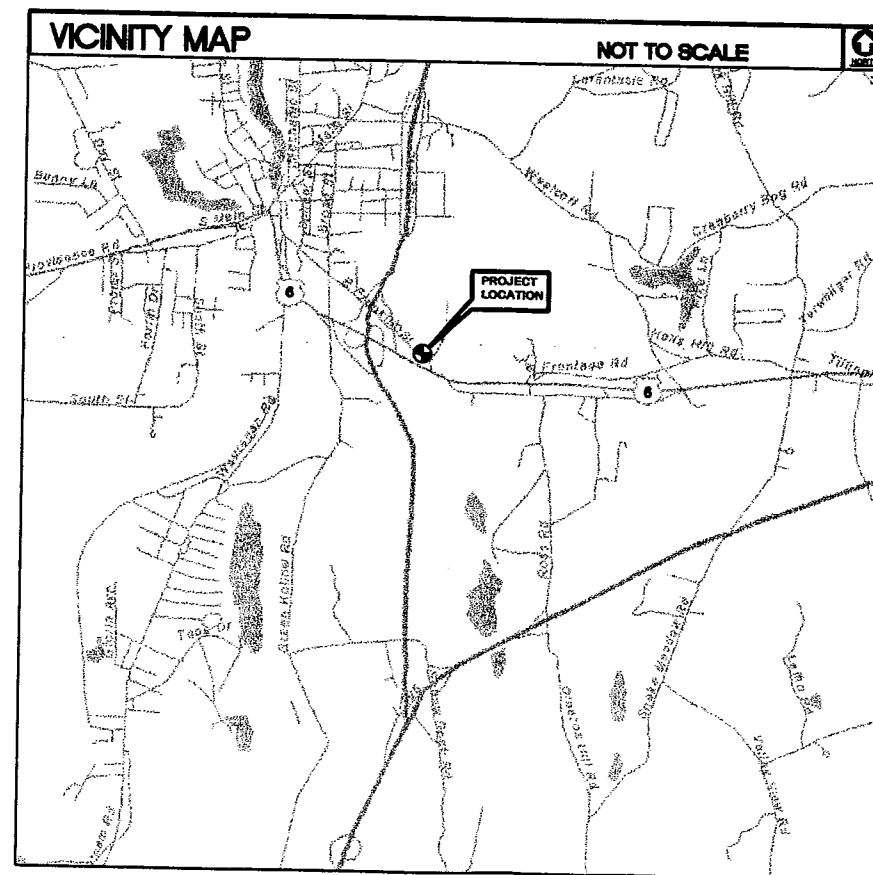
SBA, Inc. ☐ Northeast Regional Office

800 W Lumming's Park ☐ Fourth Floor ☐ Suite 4900 ☐ Woburn, MA 01801 USA ☐ (781) 938-0917 Fax (781) 938-9093 ☐ [www.sba.gov](http://www.sba.gov)




# **Bell Atlantic Mobile** WIRELESS COMMUNICATIONS FACILITY

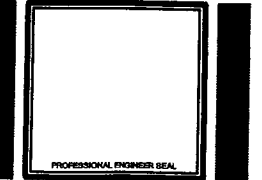
**DANIELSON**  
**246 EAST FRANKLIN ST**  
**KILLINGLY, CONNECTICUT**



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**Natcomm, L.L.C.**  
 63-2 North Branford Road  
 Branford, Connecticut 06406  
 Tel: (203) 488-0580  
 Fax: (203) 488-6097  
Consulting Engineers-Project Management  
 Site Acquisition-Communications Installation



**DANIELSON**  
**BAM PROJECT**  
**NO. 943153**  
 246 EAST FRANKLIN STREET  
 KILLINGLY, CT



PROJECT NO:	995171
DRAWN BY:	CTW
CHECKED BY:	CFC
SCALE:	NONE
DATE:	06/22/99

TITLE SHEET

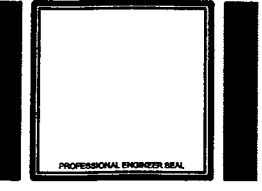
**T-1**  
 DWG. 1 OF 2

REVISIONS		
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Natcomm, LLC - Engineering Consultants

Natcomm, L.L.C.  
63-2 North Branford Road  
Branford, Connecticut 06405  
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Consulting Engineers-Project Management  
Site Acquisition-Communications Installations



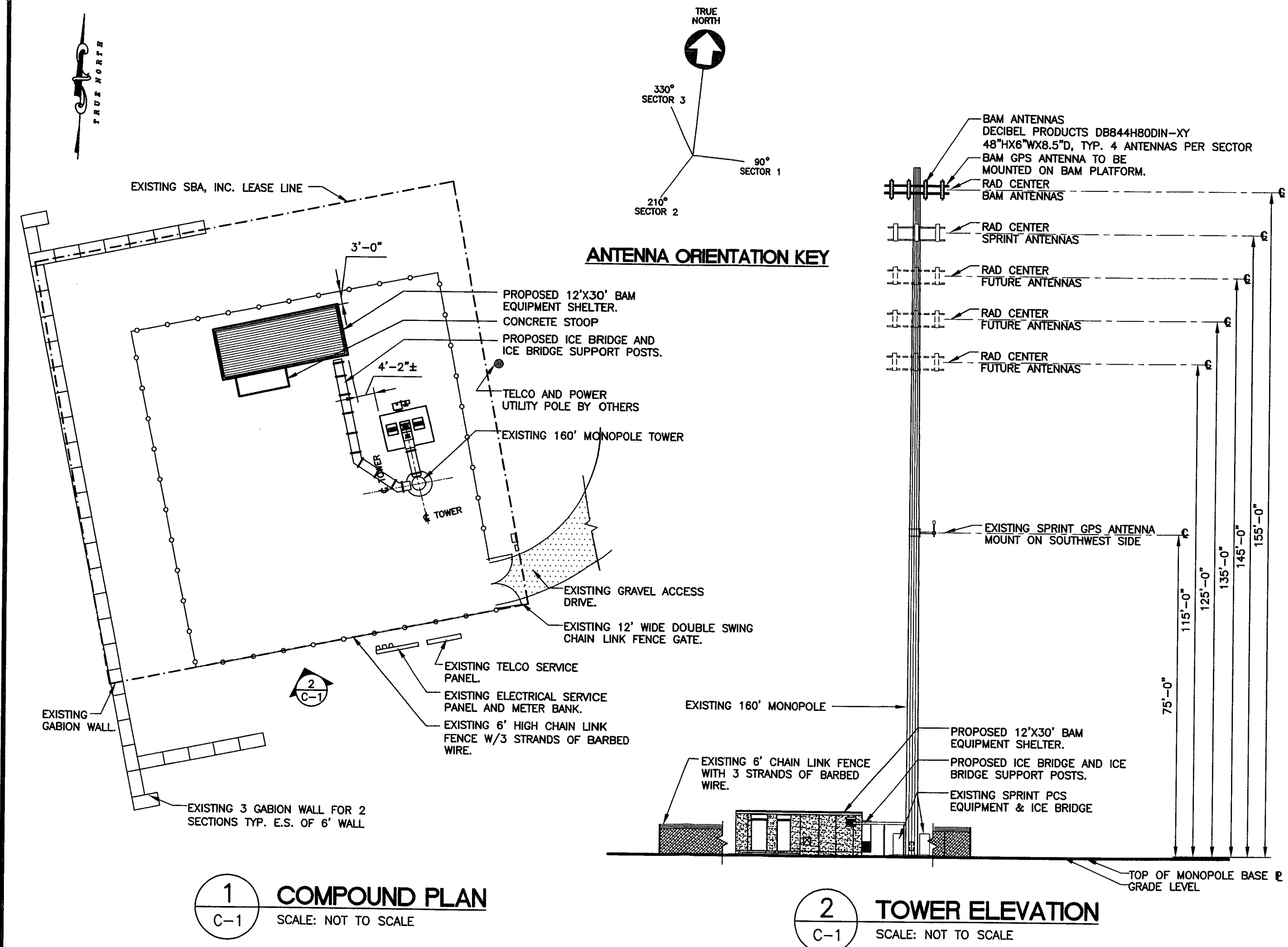
**DANIELSON**  
**BAM PROJECT**  
**NO. 943153**  
246 EAST FRANKLIN STREET  
KILLINGLY, CT



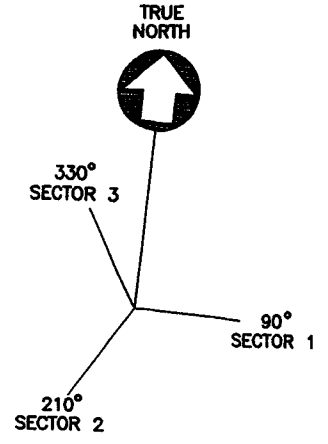
PROJECT NO:	995171
DRAWN BY:	CTW
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	06/22/99

COMPOUND PLAN  
& TOWER  
ELEVATION

**C-1**  
DWG. 2 OF 2



**ANTENNA ORIENTATION KEY**



**1**  
C-1  
**COMPOUND PLAN**  
SCALE: NOT TO SCALE

**2**  
C-1  
**TOWER ELEVATION**  
SCALE: NOT TO SCALE