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

RECEIVED

MAY 05 1999

CONNECTICUT
SITING COUNCIL



May 3, 1999

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

Re: **TS-BAM/SCLP-077-981208 – Celco Partnership d/b/a Bell Atlantic Mobile and Springwich Cellular Limited Partnership request for an order to approve tower sharing on a telecommunications tower to be replaced at 60 Adams Street, Manchester, Connecticut.**

Dear Chairman Gelston:

Pursuant to Connecticut General Statutes (C.G.S.) Sec. 16-50aa, Celco Partnership d/b/a Bell Atlantic Mobile (“BAM”) and Springwich Cellular Limited Partnership (“Springwich”) (together the “Applicants”) requested an order dated December 8, 1998 from the Connecticut Siting Council (“Council”) to approve the shared use by the Applicants of a tower located on property known as 60 Adams Street, Manchester, Connecticut. As part of this request, BAM’s proposal included a 12’ x 30’ equipment building. At a public meeting held on December 17, 1998, the Council ruled that the shared use of this replacement tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, is in compliance with General Statutes Sec. 16-50aa. The Council ordered shared use of the facility.

Please be advised that BAM has revised the size of its equipment building from 12’ x 30’ to 12’ x 20’ and will place the propane generator on a pad located outside the building. A copy of the revised site plan showing the changed building size and location of the generator pad is attached for your information. The revised plans are currently being reviewed by the Town’s building Official and a copy of the building permit will be provided to the Council if requested.

Mr. Mortimer A. Gelston
May 3, 1998
Page 2

BAM requests that the Council accept this technical change to its December 17, 1998 order for the shared use of this facility.

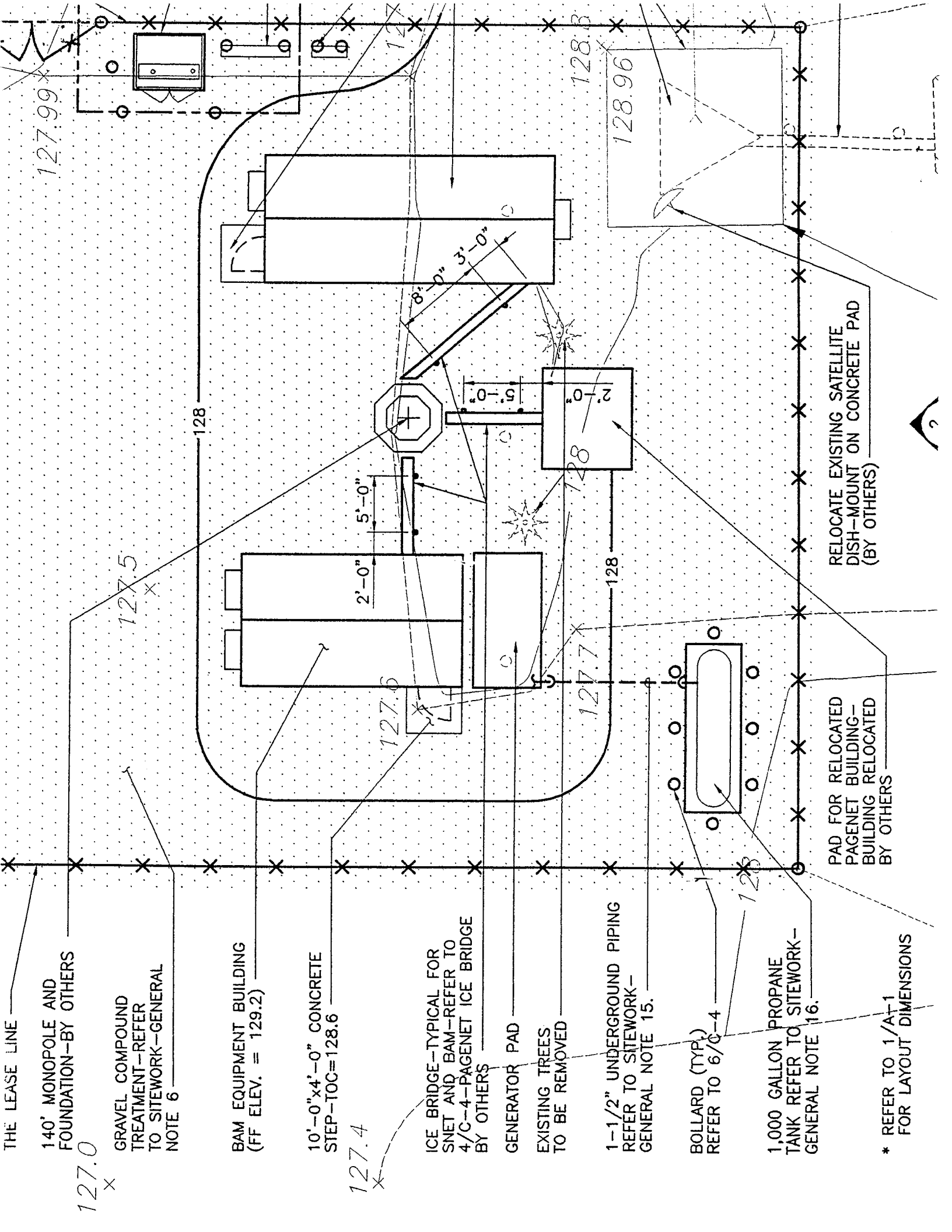
Respectfully yours,

Sandy M. Carter

Sandy M. Carter
Manager – Regulatory

Attachments

cc: Honorable Stephan Cassano, Mayor, Town of Manchester
Peter van Wilgen, Springwich
Mark Pellegrini, Director of Planning & Economic Development, Town of
Manchester



THE LEASE LINE

140' MONOPOLE AND FOUNDATION—BY OTHERS

127.0

GRAVEL COMPOUND TREATMENT—REFER TO SITEMARK—GENERAL NOTE 6

127.5

BAM EQUIPMENT BUILDING (FF ELEV. = 129.2)

10'-0" x 4'-0" CONCRETE STEP—TOC=128.6

127.4

ICE BRIDGE—TYPICAL FOR SNET AND BAM—REFER TO 4/C-4—PAGENET ICE BRIDGE BY OTHERS

GENERATOR PAD EXISTING TREES TO BE REMOVED

1-1/2" UNDERGROUND PIPING REFER TO SITEMARK—GENERAL NOTE 15.

BOLLARD (TYP.) REFER TO 6/C-4

128

1,000 GALLON PROPANE TANK REFER TO SITEMARK—GENERAL NOTE 16.

PAD FOR RELOCATED PAGENET BUILDING—BUILDING RELOCATED BY OTHERS

RELOCATE EXISTING SATELLITE DISH—MOUNT ON CONCRETE PAD (BY OTHERS)

* REFER TO 1/A-1 FOR LAYOUT DIMENSIONS



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

December 22, 1998

Jennifer Young Gaudet
Manager-Regulatory
Bell Atlantic Mobile
20 Alexander Drive
Wallingford, CT 06492

RE: TS-BAM/SCLP-077-981208 - Cellco Partnership d/b/a Bell Atlantic Mobile and Springwiche Cellular Limited Partnership request for an order to approve tower sharing on a telecommunications tower to be replaced at 60 Adams Street, Manchester, Connecticut.

Dear Ms. Gaudet:

At a public meeting held on December 17, 1998, the Connecticut Siting Council (Council) ruled that the shared use of this replacement 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. The proposed shared use is to be implemented as specified in your letter dated December 8, 1998, with the condition that fencing surrounding the base of the tower will consist of black vinyl chainlink fencing as requested by the Town of Manchester.

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. Please notify the Council when all work is complete.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/jlh

c: Honorable Stephen T. Cassano, Mayor, Town of Manchester
Peter Van wilgen, Springwiche
Mark Pellegrini, Director of Planning & Economic Development, Town of Manchester

Bell Atlantic Mobile

20 Alexander Drive, P.O. Box 5029
Wallingford, CT 06492

Springwich Cellular Limited Partnership

500 Enterprise Drive, 3rd Floor
Rocky Hill, CT 06067

December 8, 1998

RECEIVED

DEC - 8 1998

**CONNECTICUT
SITING COUNCIL**

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

**Re: Request by Cellco Partnership, d/b/a Bell Atlantic Mobile,
and Springwich Cellular Limited Partnership for an
Order to Approve the Shared Use of a Tower Facility
Off New State Road and Adams Street, Manchester, Connecticut**

Dear Mr. Rinebold:

Pursuant to Connecticut General Statutes (C.G.S.) §16-50aa, Cellco Partnership d/b/a Bell Atlantic Mobile ("BAM") and Springwich Cellular Limited Partnership ("Springwich") (together the "Applicants") hereby request an order from the Connecticut Siting Council ("Council") to approve the proposed shared use by the Applicants of a tower located on property known as 60 Adams Street, Manchester, Connecticut. The property, the former Manchester Sand and Gravel site, is owned by William B. Thornton and is zoned Industrial. The property is located near the junction of Adams Street and New State Road, Manchester, and borders the I-84 right-of-way. An existing lattice tower, approximately 170' in height, and not suitable for the proposed shared use, would be replaced with a monopole tower approximately 140' in height, suitable for shared use by at least three wireless carriers.

The Applicants request that the Council find that the proposed shared use of the tower satisfies the criteria stated in C.G.S. §16-50aa, and issue an order approving the proposed use.

Background

The existing tower is an approximately 170-foot lattice tower located in the central portion of the approximately 30 acre parcel. It formerly was used by Manchester Sand and Gravel for dispatch communications. Currently, the tower has antennas owned by Paging/Network of Hartford/Springfield, Inc. ("PageNet") located on it. Both BAM and Springwich wish to utilize the location for a cell site; however, the existing tower is not structurally sufficient to accommodate the additional loading of the two cellular carriers.

Mr. Joel M. Rinebold

December 8, 1998

Page 2

As shown on the attached drawings and as further described below, BAM and Springwich propose to replace the existing tower with a shorter, stronger tower and to install related equipment for BAM, Springwich and PageNet in a single fenced compound. BAM, Springwich, PageNet and the property owner have agreed to the proposed shared use of this facility pursuant to mutually acceptable terms and conditions.

BAM has consulted with Manchester zoning officials concerning the revised site development plans. The use of a monopole capable of being used by multiple telecommunications providers is consistent with Manchester zoning regulations concerning telecommunications facilities. The Town has specifically requested that the site be screened by the use of black vinyl chain link fencing, and the proposal incorporates that recommendation.

BAM and Springwich propose to construct a tower 140' in height with three antenna platforms located at approximately the 140', 125' and 90' levels of the tower. BAM would install twelve (12) Swedcom Model ALP-E 9011-Din antennas, approximately 43" in length, on the bottom platform; Springwich would install twelve (12) Swedcom Model ALP 110 11 antennas, approximately 52" in length, on the middle platform. The antennas PageNet has either mounted or planned to mount on the existing tower would be relocated to the proposed replacement tower; these include two (2) Andrew Model PG1NOF-0091-011 receive antennas, approximately 96" in length, one (1) Andrew Model PG1NOF-0093-011 transmit antenna, approximately 96" in length, and one (1) Decibel Model DB586-T3, approximately 53" in length. PageNet's antennas will be mounted on the top platform, with the receive antennas extending upward and the transmit antennas extending downward. Upon completion of the new shorter tower, the existing taller tower would be removed.

The site redevelopment proposal also includes the location of equipment shelters for BAM and Springwich and a concrete pad for a propane fuel tank to fuel an 80 kW emergency stand-by generator for BAM and Springwich. In addition, PageNet's equipment shelter would be relocated adjacent to the replacement tower, within the proposed fenced compound.

C.G.S. §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. §16-50aa(c)(1).)

The shared use of the tower satisfies the criteria stated in C.G.S. §16-50aa as follows:

A. Technical Feasibility. The location meets the technical needs of BAM, Springwich and PageNet. As discussed with Manchester officials and consistent with Manchester's zoning regulations, the replacement tower will be designed and built to support the antennas of three wireless carriers in addition to PageNet. The proposed shared use of this tower therefore is technically feasible.

B. Legal Feasibility. BAM, Springwich and PageNet have entered into arrangements with the property owner allowing the use of the property as proposed, and there are no restrictions on the property which would preclude such a use. Under the authority vested in the Council by C.G.S. §16-50aa, an order by the Council approving the shared use would permit the Applicants to obtain a building permit for the proposed installation.

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

1. The proposed installation would have an insignificant visual impact, in that the replacement tower will be approximately 30' lower than the existing tower, and the monopole type of tower is that chosen by the Town of Manchester in its zoning regulations. The proposed use of the property by additional telecommunications providers would not cause any significant change or alteration in the physical or environmental characteristics of the overall property, which is used for recycling and storage of sand and gravel, concrete manufacturing, and heavy equipment and truck repair. BAM's and Springwich's equipment shelters will be a neutral color consistent with the surroundings. PageNet's existing equipment shelter will be relocated to within the fenced area. At the request of Town staff, the fence will be black vinyl chain link to minimize visibility.
2. The proposed installation would not increase the noise levels at the existing facility by six decibels or more. The only additional noise will be from heating and cooling equipment and periodically from use of the generator during emergency or routine exercising periods.
3. Operation of the antennas at this site would not exceed the total radio frequency electromagnetic radiation power density, measured at the tower base, to a level at or above the applicable FCC/NCRP standards. A "worst-case" calculation for a point at the base of the tower for BAM's and Springwich's operations indicates power density of 0.0843 mW/cm² for BAM and 0.0437 mW/cm² for Springwich, or 14.5% and 7.4%, respectively of the applicable standards for cellular frequencies. A "worst-case" calculation for a point at the base of the tower indicates that PageNet's operations would add 0.0249 mW/cm², or 4.0% of the applicable standard (0.623 mW/cm² for PageNet's frequencies). Thus, the calculated "worst-case" power density for the combined operations at the site is 25.9% of the applicable standards for uncontrolled environments as calculated for a mixed frequency site.
4. The proposed installation 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 emissions; 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 for periodic maintenance visits.

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

E. Economic Feasibility. As previously mentioned, each of the users has entered into a mutually acceptable agreement with the property owner, and the financial arrangements for the modified site development described herein are acceptable to all. The proposed tower sharing is therefore economically feasible.

F. Public Safety Concerns. As stated above, the replacement tower will be structurally capable of supporting the proposed antennas as well as future antennas. The Applicants are not aware of any other public safety concerns relative to the proposed sharing of the existing tower. In fact, the provision of new or improved wireless communications service in the Manchester area, particularly in the I-84/I-384 corridor and the nearby commercial complexes, through shared use of the existing tower is expected to enhance the safety and welfare of area residents and travelers.

Conclusion

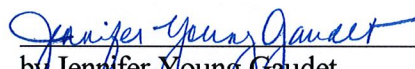
For the reasons discussed above, the proposed shared use of the tower facility at 60 Adams Street in Manchester satisfies the criteria stated in C.G.S. §16-50aa, and advances the General Assembly's, the Council's and the Town of Manchester's goal of preventing the proliferation of towers in Connecticut. The Applicants therefore request that the Council issue an order approving the proposed shared use.


Thank you for your consideration of this matter.

Respectfully yours,

Cellco Partnership
d/b/a Bell Atlantic Mobile

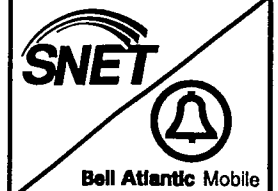
Springwich Cellular Limited
Partnership


by Jennifer Young Gaudet
Manager - Regulatory
(203) 949-2805


by Peter W. van Wilgen
Director - Real Estate Operations
(860) 513-7730

Attachments

cc: Honorable Stephen Cassano, Mayor, Town of Manchester
Mr. Mark Pellegrini, Director of Planning
and Economic Development, Town of Manchester



A&E FIRM
URS Greiner, Inc.
A-E-S
 500 ENTERPRISE DRIVE
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882

A&E SEAL

A&E SEAL

PROJECT NO: F301763.00

DRAWN BY: PJS/JGB

CHECKED BY:

ISSUED FOR		
1	12-8-98	SITING COUNCIL

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO SNET AND BAM IS STRICTLY PROHIBITED.

60
ADAMS STREET
 MANCHESTER, CT.

SCALE: AS NOTED

DATE: 11-23-98

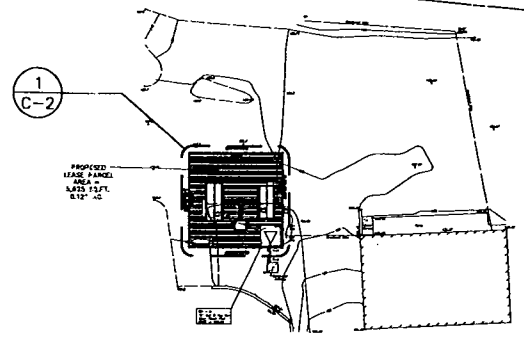
DRAWING 1 OF 2

SITE PLAN

C-1



N/F
 CONSOLIDATED RAIL RP



Land of William B. Thornton

INTERSTATE 84

ADAMS STREET

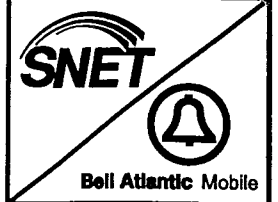
N/F
 John H. Hackett

N/F
 Edward J. &
 Diane D. Lazarin

N/F
 Peter &
 Beverly Zerio

Other land of
 William B. Thornton

1
C-1 **SITE PLAN**
 SCALE: 1" = 70'-0"



A&E FIRM
URS Greiner, Inc.
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 500 ENTERPRISE DRIVE
 ROCKY HILL, CONNECTICUT
 1-(860)-528-8882

A&E SEAL

PROJECT NO: F301763.00
 DRAWN BY: PJS
 CHECKED BY:

ISSUED FOR

1 12-8-98 SITING COUNCIL

ISSUED FOR		
1	12-8-98	SITING COUNCIL

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ADAMS STREET
 MANCHESTER, CT.

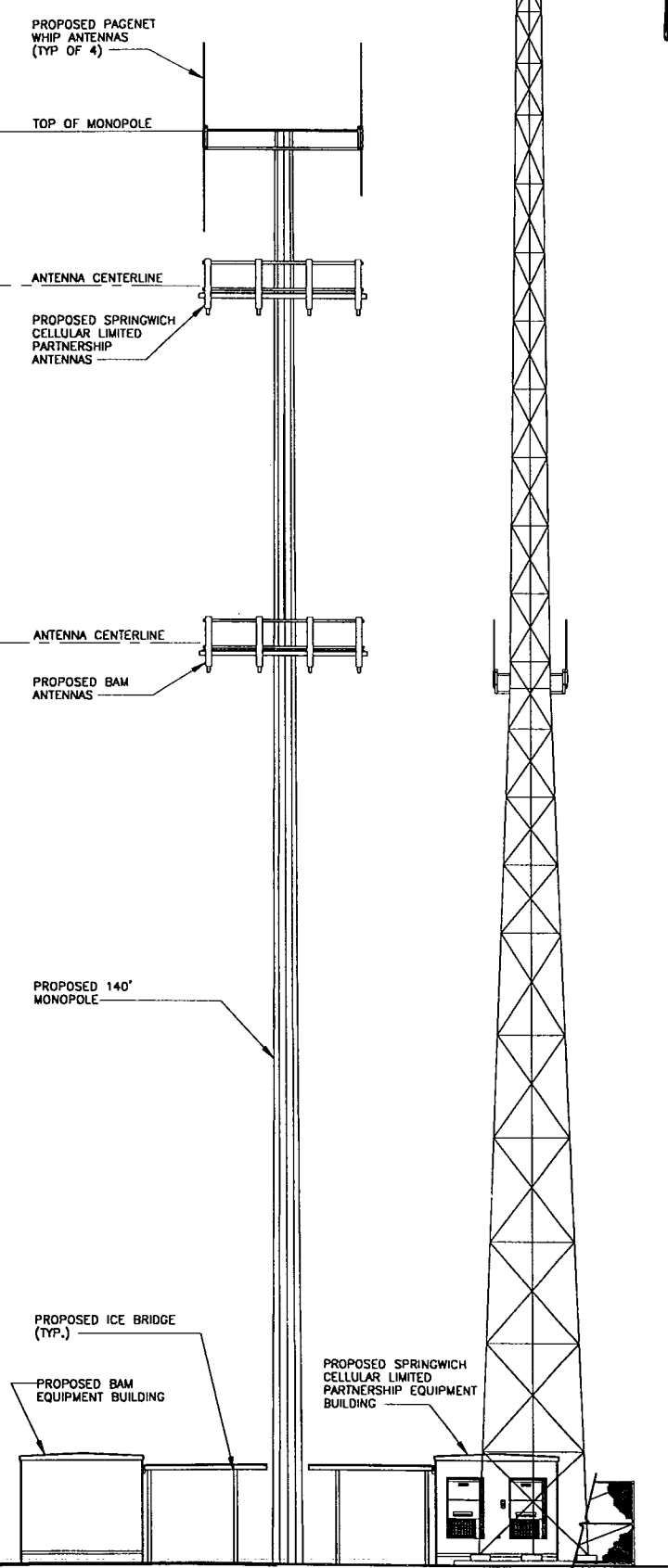
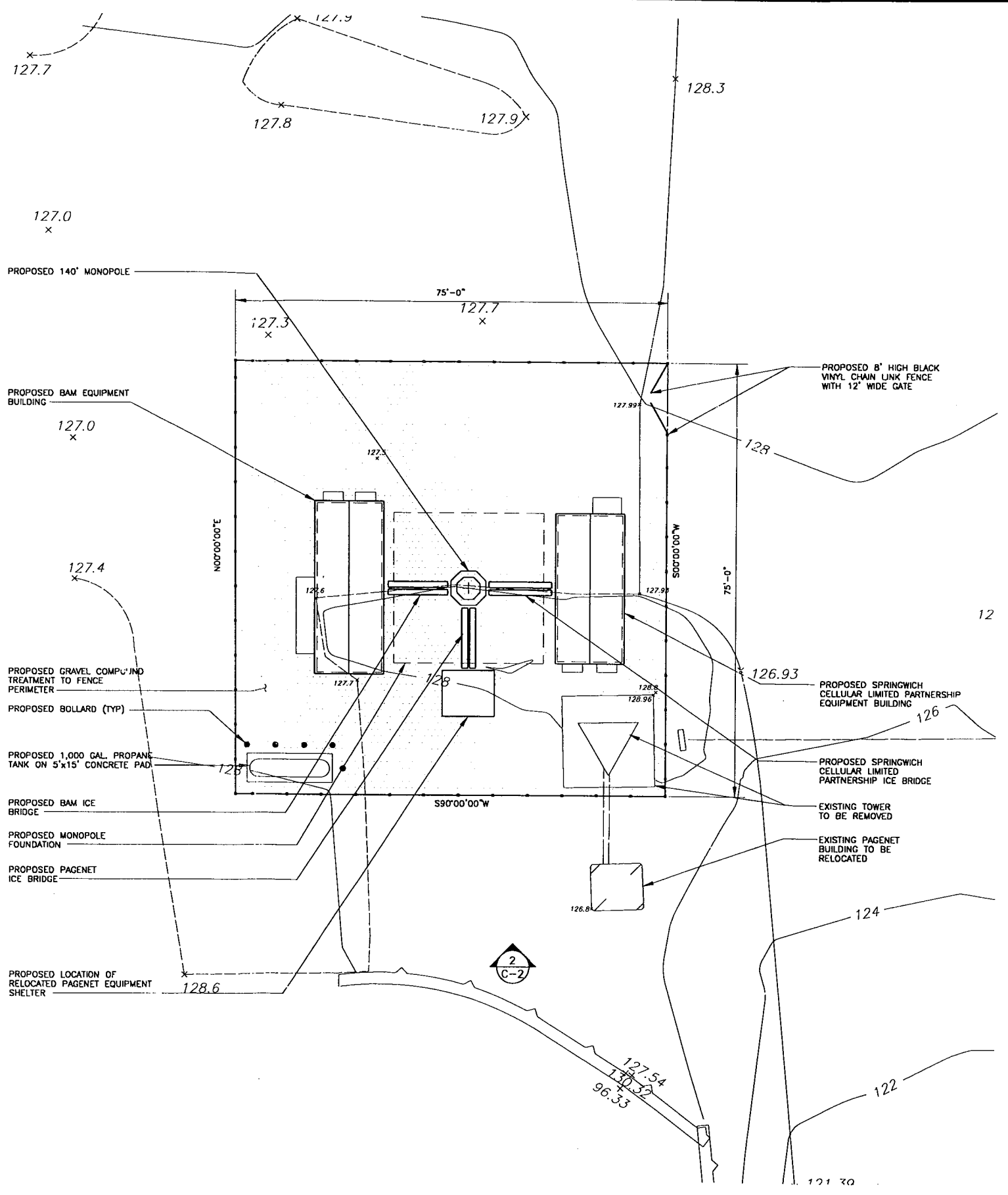
SCALE: AS NOTED

DATE: 11-23-98

DRAWING 2 OF 2

COMPOUND PLAN

C-2



2 TOWER ELEVATION
 SCALE: 1/8" = 1'-0"

1 COMPOUND PLAN
 SCALE: 1" = 10'



Bell Atlantic Mobile
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492
Telephone: 203-269-8858

Jennifer Young Gaudet
Manager - Regulatory

December 8, 1998

Honorable Stephen T. Cassano, Mayor
Town Hall
41 Center Street
Manchester, Connecticut 06040

Dear Mayor Cassano:

Consistent with the State policy of encouraging tower sharing, the two licensed cellular communications providers in your area, Bell Atlantic Mobile ("BAM") and Springwich Cellular Limited Partnership (the SNET cellular affiliate) ("Springwich") propose to modify the existing tower site on the former Manchester Sand and Gravel property at 60 Adams Street in Manchester. The proposed changes would allow the site's use as a telecommunications facility for BAM, Springwich and PageNet, as well as provide for future use by an additional wireless carrier. The proposal, which is enclosed, is being filed with the Connecticut Siting Council. In developing the proposed site plan, I have consulted with Lynne Pike DiSanto and Thomas R. O'Marra of the Planning and Zoning staff and included their suggestions.

The attached letter fully sets forth the Company's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please contact the undersigned at (203) 949-2805 or Mr. Joel M. Rinebold, Executive Director of the Connecticut Siting Council at (860) 827-2935.

Sincerely,



Jennifer Young Gaudet
Manager - Regulatory

Enclosure

cc: Mr. Mark Pellegrini, AICP, Director of Planning
and Economic Development