



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

December 13, 1999

Kenneth C. Baldwin
Robinson & Cole
One Commercial Plaza
280 Trumbull Street
Hartford, CT 06103-3597

RE: EM-CROWN-097-991115 - Crown Atlantic Company LLC notice of intent to modify an existing telecommunications facility located off Berkshire Road in Newtown, Connecticut. (Docket No. 89)

Dear Attorney Baldwin:

At a public meeting held on December 8, 1999, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility in Newtown, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here, in your notice dated November 12, 1999, and in additional information dated November 15, November 17, and November 18, 1999. 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 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 of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 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.

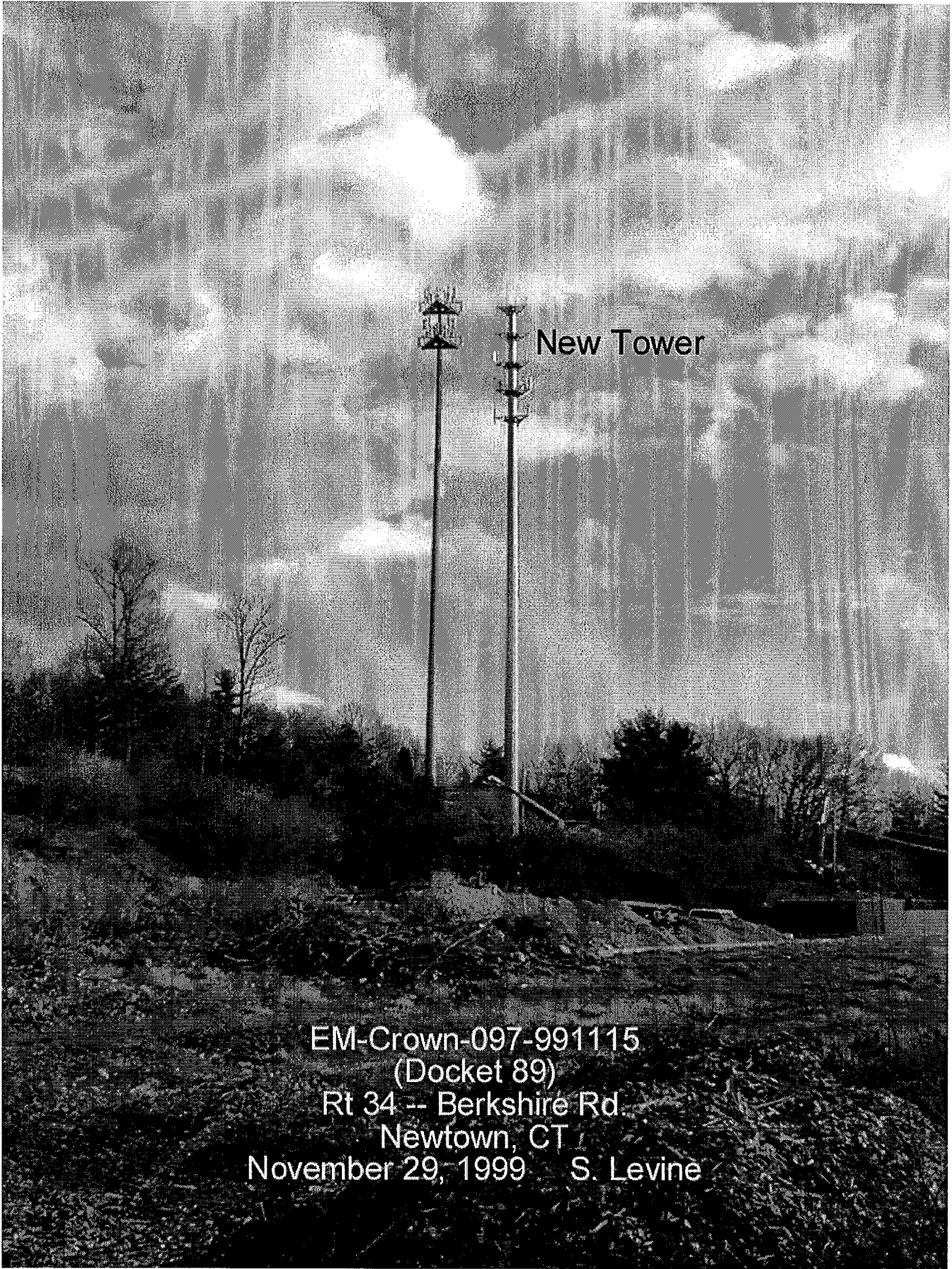
Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/SLL/sll

cc: Honorable Herbert C. Rosenthal, First Selectman, Town of Newtown
Paul A. Spurlock, AT&T Wireless Services, Inc.
Sandy M. Carter, Manager - Regulatory, Bell Atlantic Mobile
Peter W. van Wilgen, Director - Real Estate Operations, SNET Wireless, Inc.
Steve Kotfila, Site Development Manager, Sprint PCS
Ronald C. Clark, Manager - Regulatory, Nextel Communications, Inc.



New Tower

EM-Crown-097-991115
(Docket 89)
Rt 34 -- Berkshire Rd.
Newtown, CT
November 29, 1999 S. Levine

ROBINSON & COLE LLP

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LAW OFFICES

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

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

November 22, 1999

Via Facsimile

Steven Levine
Siting Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RECEIVED

NOV 22 1999

**CONNECTICUT
SITING COUNCIL**

Re: **EM-Crown-097-991115**
AT&T/Newtown Tower Facility

Dear Mr. Levine:

The above-referenced notice of exempt modification incorrectly referenced the Crown tower site west of Commerce Road in Newtown, Connecticut. The tower site is located off Route 34, Berkshire Road and is the same tower approved by the Council in its Docket No. 89.

Sincerely,


Kenneth C. Baldwin

KCB/kmd

cc: Herbert C. Rosenthal
Dean Olsen

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Internet: kbaldwin@rc.com

November 18, 1999

Steven Levine
Siting Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

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NOV 19 1999

**CONNECTICUT
SITING COUNCIL**


Re: **EM-Crown-097-991115**
AT&T/Newtown Tower Facility

Dear Mr. Levine:

As you requested, enclosed is verification from Engineered Endeavors Incorporated that Crown's existing 185-foot monopole in Newtown can support the additional antenna loading proposed by AT&T Wireless, Inc.

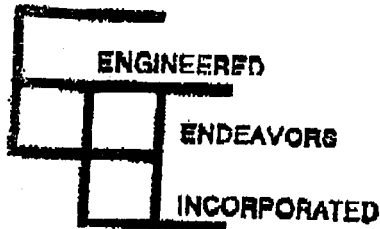
If you have any additional questions or need any additional information please do not hesitate to contact me.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Enclosure
cc: Dean Olsen



November 16, 1999

Hal Giglio
Crown Castle Communication
63-2 North Branford Road
Branford, CT 06405

Reference: Structural Review of a 185 ft Monopole
Site Name: Newtown
EEI Job Number: 4743

The 185 ft monopole referenced above was reviewed under the proposed loading presented by Hal Giglio with Crown Communications. This monopole was designed and supplied by Engineered Endeavors, Inc. and depicted in drawing GS51352. The objective of this review is to determine if the monopole can structurally support the desired configuration and meet the requirements of the TIA/EIA 222-F code and Manual of Steel Construction Allowable Stress Design.

The initial design was for a five-carrier 185 ft monopole with antennas at the 185, 175, 165, 155 and 145 ft elevations. Crown Communications is proposing to add (12) ALP 9011 directional antennas at 134 ft with a design wind speed of 85 mph as specified by TIA/EIA 222-F for New Haven County, CT. EEI has reviewed the monopole and foundation and concluded that the designs are adequate to support the proposed loading.

It is the responsibility of Crown Castle Communications to verify that the monopole reviewed is the correct structure that exists. This review is intended for use with regard to this specific monopole discussed in general herein. Any substantial changes in mounting or loading should be brought to EEI's attention so that we can determine how this may affect our conclusions.

Sincerely,
Engineered Endeavors, Inc.

Lynn A. Padgett
Design Engineer



Michael R. Morel, P.E.
Vice President, Engineering

ENGINEERED ENDEAVORS, INC.

7810 Jenther Drive ■ Montevideo, Ohio 44060
Telephone: (440) 918-1101 ■ Telefax: (440) 918-1108



100 Filley Street, Bloomfield, CT 06002
(860) 692-7154 phone
(860) 692-7159 fax

**By Facsimile
Original To Follow By Mail**

17 November, 1999

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NOV 17 1999

**CONNECTICUT
SITING COUNCIL**

Steven Levine
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

**RE: EM-Crown-097-991115
AT&T/Newtown Tower Facility**

Dear Mr. Levine:

Please be advised that I have discussed with Ken Baldwin, counsel for Crown Communications, the proposed change in Omnipoint's location on Crown's replacement facility in Newtown. Omnipoint has no objection to the proposed change in its location on the tower from 130 feet to 145 feet that will be included in the upcoming exempt modification application for the AT&T installation.

Please feel free to contact me should you have any additional questions.

Sincerely,

J. Brendan Sharkey, Esq.
for Omnipoint Communications, Inc.

cc: Ken Baldwin, Esq.
Michael Fulton, Technical Director, Omnipoint Communications, Inc.



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
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November 17, 1999

Honorable Herbert C. Rosenthal
First Selectman
Town of Newtown
Edmond Town Hall
45 Main Street
Newtown, CT 06470

RE: EM-CROWN-097-991115 - Crown Atlantic Company LLC notice of intent to modify an existing telecommunications facility located off Commerce Road in Newtown, Connecticut. (Docket No. 89)

Dear Selectman Rosenthal:

The Connecticut Siting Council (Council) received this request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting scheduled for Wednesday, December 8, 1999, 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,

A handwritten signature in black ink, appearing to read "Joel M. Rinebold".

Joel M. Rinebold
Executive Director

JMR/jlh

Enclosure: Notice of Tower Sharing

Ronald C. Clark
Manager Real Estate Operations

Nextel Communications
100 Corporate Place, Rocky Hill, CT 06067
860 883-2112 FAX 860 513-5444

NEXTEL®

November 15, 1999

Mr. Steven Levine
Siting Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

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NOV 18 1999

**CONNECTICUT
SITING COUNCIL**

Re: **EM-Crown-097-991115**
AT&T/Newtown Facility

Dear Mr. Levine:

I am writing to inform you that Nextel Communications, Inc. is familiar with the above-referenced Crown filing and does not object to the relocation of its antennas on the Newtown tower from 150 feet to 155 feet.

If you have any questions regarding Nextel's use of the Newtown facility, please do not hesitate to contact me.

Sincerely,



Ronald C. Clark
Manager Real Estate Operations

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LAW OFFICES

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

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

November 12, 1999

Via Federal Express

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

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NOV 15 1999

**CONNECTICUT
SITING COUNCIL**

**Re: Notice of Exempt Modification
Siting Council Docket No. 89
Commerce Road
Newtown, Connecticut**

Dear Mr. Rinebold:

Crown Atlantic Company LLC ("Crown") holds the Siting Council certificate for the existing telecommunications tower and related facility in Newtown, Connecticut (Docket No.89) by virtue of a certificate transfer from Bell Atlantic Mobile ("BAM"), approved by the Council on March 24, 1999. Crown intends to allow AT&T Wireless, Inc. ("AT&T") to install antennas and related equipment at the existing facility in Newtown. Please accept this letter as notification, pursuant to R.C.S.A. § 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Newtown First Selectman, Herbert C. Rosenthal.

The existing facility consists of a 185-foot self-supporting monopole tower and related equipment located on land off Commerce Road in Newtown. This facility was approved by the Connecticut Siting Council on March 3, 1988, with a restriction that the total height of the tower, including antennas and associated equipment, not exceed 193 feet. The tower currently supports antennas of BAM, Springwich Cellular Limited Partnership (SCLP), Sprint Spectrum L.P. (Sprint), Nextel Communications, Inc. (Nextel), and Omnipoint Communications, Inc. (Omnipoint).

This site was the subject of a Petition for Declaratory Ruling, filed by BAM on October 27, 1998 (Petition No. 402). Through Petition No. 402, the Council approved the replacement of the Newtown tower, with a structure approximately five feet taller, necessitated by a seven-foot

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Joel M. Rinebold
November 12, 1999
Page 2

reduction in ground elevation at the relocation site, and an expansion of the existing site compound to accommodate and promote tower sharing.

AT&T intends to attach nine (9) panel antennas at the 135-foot level on the tower. AT&T's equipment will be located on a 8 1/2-foot by 14-foot concrete pad located near the base of the tower within the limits of the existing site compound. In addition, Nextel antennas approved at the 150-foot level will be relocated to a height of 155 feet, and Omnipoint antennas approved at the 130-foot level will be relocated to a height of 145 feet. (See Exhibit A).

The planned modifications to the Newtown facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modification will not increase the height of the 185-foot tower. AT&T's antennas will be installed at the 135-foot level; Nextel antennas will be relocated to the 155-foot level; and Omnipoint antennas will be relocated to the 145-foot level. The tower profile included in Exhibit A confirms that the planned changes will not increase the overall height of the tower.

2. The installation of the AT&T equipment on a concrete pad near the base of the tower, as reflected in Exhibit A; will not require the expansion of the existing site compound. The relocation of Nextel and Omnipoint antennas will not require the relocation of any ground level equipment.

3. The proposed modification to the facility will not increase the noise levels at the existing facility by six decibels or more. The only additional noise will be from heating, ventilation and cooling equipment associated with AT&T's equipment shelter.

4. The operation of the additional antennas will not increase the total radio frequency (RF) power density, measured at the base of the tower, to a level at or above the applicable standard. The "worst-case" RF power density calculation for a point at the base of the tower for existing operations of all carriers at the site is as follows:

| <u>Carrier</u> | <u>Height</u> | <u>mW/cm²</u> | <u>% of Standard</u> |
|----------------|---------------|--------------------------|----------------------|
| BAM | 185 | 0.0199 | 3.4 |
| SCLP | 175 | 0.0222 | 3.7 |
| Sprint | 165 | 0.0105 | 1.05 |
| Nextel | 155 | 0.0134 | 2.35 |
| Omnipoint | 145 | 0.0167 | 1.67 |
| AT&T | 135 | 0.0157 | 1.5 |

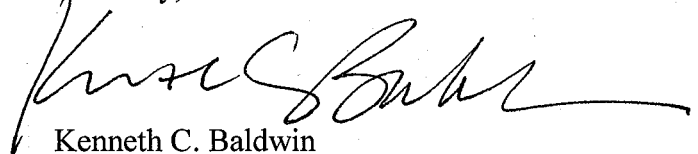
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Joel M. Rinebold
November 12, 1999
Page 3

Thus, the calculated "worst case" power density for the planned combined operation at the site is 13.67% of the FCC Standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, Crown respectfully submits that the proposed addition and modification of antennas and equipment at the Newtown facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

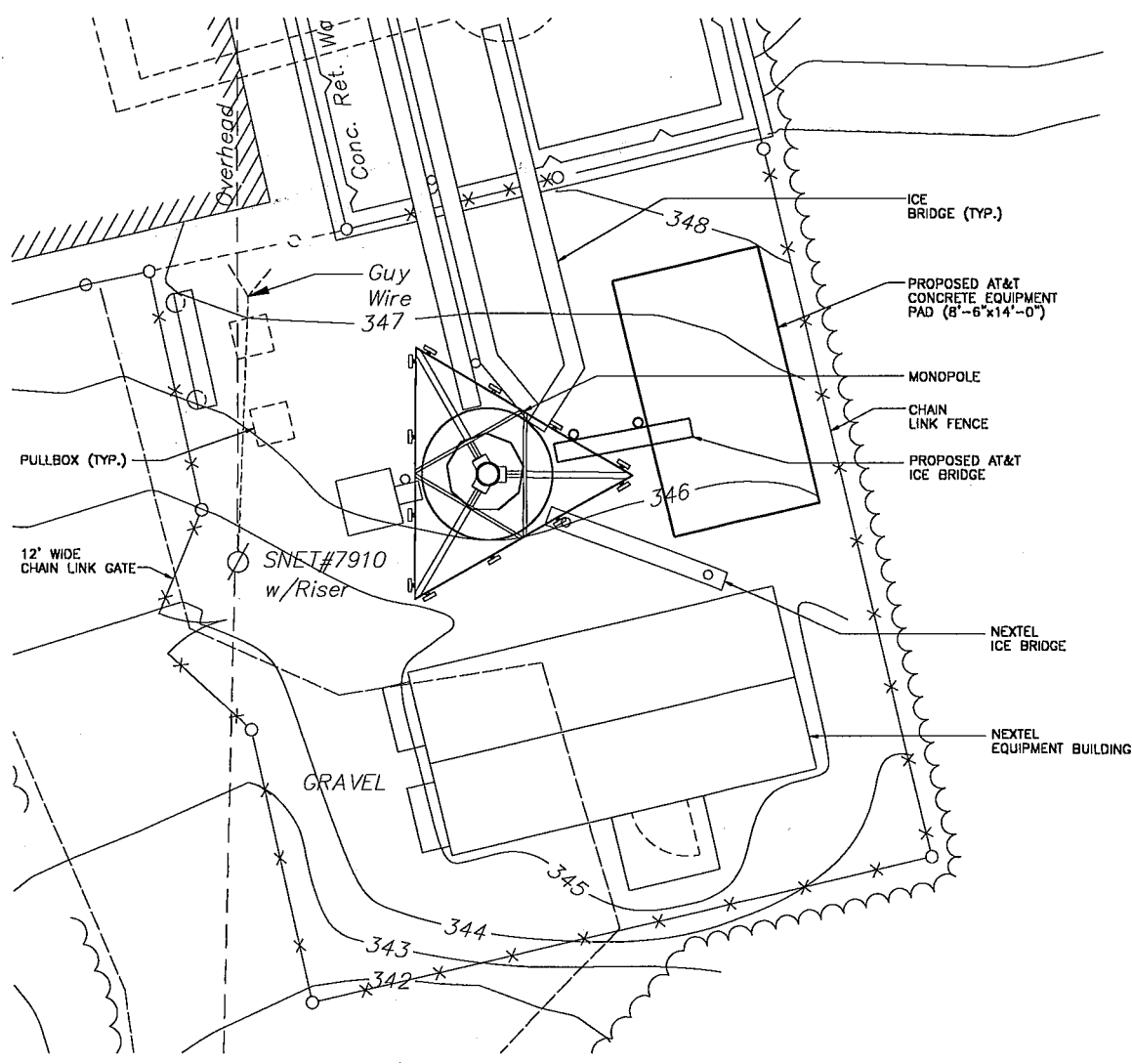
Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin", written over a horizontal line.

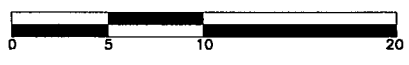
Kenneth C. Baldwin

KCB/kmd
Enclosure

cc: Herbert C. Rosenthal, First Selectman
Dean Olsen, Crown Atlantic Company
Jennifer Young Gaudet, Pinnacle Site Development



1 PARTIAL SITE PLAN
 SC-1 SCALE: 1" = 10'-0"



SITE ID NO:
CT-181

Designed by:

Drawn by: JCF

Checked by:

**URS Greiner Woodward Clyde
 A-E-S**

500 ENTERPRISE DRIVE
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882

AT&T WIRELESS PCS LLC
 UNMANNED WIRELESS COMMUNICATION EQUIPMENT SITE

SITE ADDRESS:
**BERKSHIRE
 ROUTE 34
 NEWTOWN, CONNECTICUT**

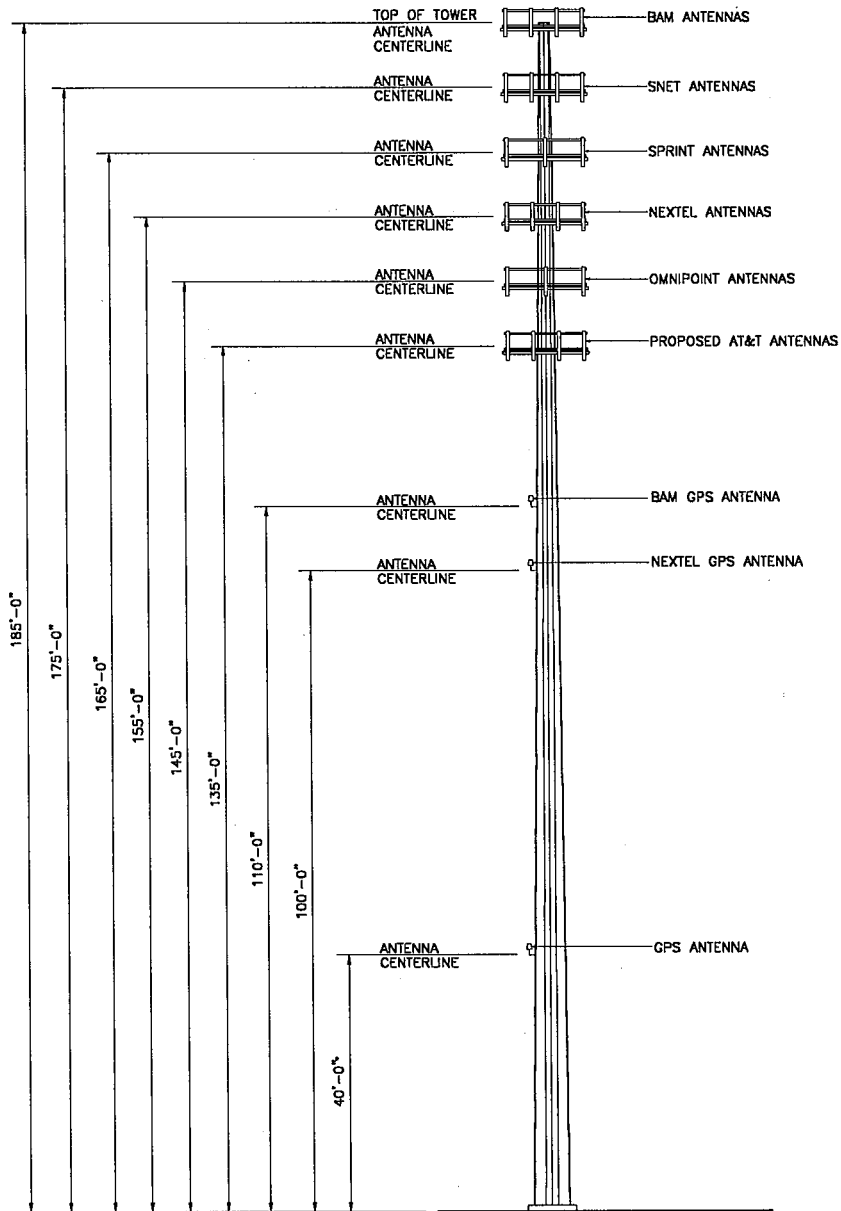
| REV. | DATE: | DESCRIPTION |
|------|-------|-------------|
| | | |
| | | |

Scale: AS SHOWN Date: 11/11/99

Job No. F301824.79 File No. SC-1

Dwg. No.
SC-1

Dwg. 1 of 2



1 TOWER ELEVATION
 SC-2 SCALE: 1" = 30'-0"



SITE ID NO:
 CT-181

Designed by:

Drawn by: JCF

Checked by:

**URS Greiner Woodward Clyde
 A-E-S**

500 ENTERPRISE DRIVE
 ROCKY HILL, CONNECTICUT
 1-(880)-529-8882

AT&T WIRELESS PCS LLC

UNMANNED WIRELESS COMMUNICATION EQUIPMENT SITE

SITE ADDRESS:

BERKSHIRE
 ROUTE 34
 NEWTOWN, CONNECTICUT

| REV. | DATE: | DESCRIPTION |
|------|-------|-------------|
| | | |

Scale: AS SHOWN Date: 11/11/99

Job No. F301824.79 File No. SC-2

Dwg. No.

SC-2

Dwg. 2 of 2