



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

RE: TS-BAM-049-990701 - Bell Atlantic Mobile request for an order to approve tower sharing at an existing telecommunications facility located at Bright Meadow Boulevard in Enfield, 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, on the condition that all trees removed be replaced, existing vegetation be preserved, and all landscaping be reviewed by the Town of Enfield Town Planner.

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, and additional information dated July 13, 1999. Please notify the Council when all work is complete.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'Mortimer A. Gelston'.

Mortimer A. Gelston
Chairman

MAG/RKE/tsg

c: Honorable Mary Lou Strom, Mayor, Town of Enfield
Jose Giner, Town Planner, Town of Enfield

ROBINSON & COLE LLP

HARTFORD • STAMFORD • GREENWICH • NEW YORK • BOSTON

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

July 13, 1999

Via Facsimile and U.S. Mail

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

RECEIVED

JUL 14 1999

CONNECTICUT
SITING COUNCIL

Re: **TS-BAM-049-990701, Enfield, Connecticut**

Dear Mr. Rinebold:

I heard from Jose Giner, Town Planner for the Town of Enfield this afternoon. Jose received the notice today regarding the above-referenced tower share request and recommended to BAM the inclusion of additional plantings around the tower compound to more effectively screen the compound area. BAM has no objection to this request and would ask the Council, through a condition of approval, to incorporate these revisions into our tower share request. Following the Council's approval, BAM will work with Mr. Giner on a detailed landscape plan to satisfy his concerns.

Please call with any questions.

Sincerely,

Kenneth C. Baldwin (KMD)

Kenneth C. Baldwin

KCB/kmd

cc: Jose Giner (via facsimile)
Sandy M. Carter (via facsimile)



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

July 7, 1999

Honorable Scott A. Shanley
Town Manager
Town of Enfield
820 Enfield St.
Enfield, CT 06082

RE: TS-BAM-049-990701 – Bell Atlantic Mobile request for an order to approve tower sharing at an existing telecommunications facility located at Bright Meadow Boulevard in Enfield, Connecticut.

Dear Mr. Shanley:

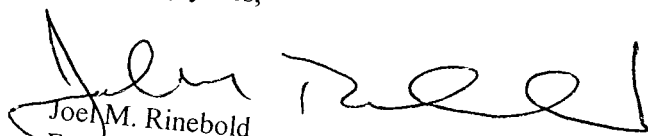
On July 1, 1999, the Connecticut Siting Council (Council) received a request from Bell Atlantic Mobile to approve tower sharing at an existing telecommunications facility located at Bright Meadow Boulevard in Enfield, Connecticut, pursuant to Connecticut General Statutes § 16-50aa.

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

RECEIVED

Bell Atlantic Mobile

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

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 Bright Meadow Boulevard, Enfield, 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 Bright Meadow Boulevard, Enfield, Connecticut. The property is owned by the Connecticut Light and Power Company, from which Sprint Spectrum, L.P. 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 Hartford County New England County Metropolitan Area (NECMA), which includes the area to be served by the proposed Enfield installation.

The facility at Bright Meadow Boulevard in Enfield, consists of a 150 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 Sprint Spectrum L.P. have agreed to the proposed shared use of this tower pursuant to mutually acceptable terms and conditions. Sprint Spectrum L.P. has authorized BAM to apply for all necessary permits, approvals and authorizations which may be required for the proposed shared use of this facility.

BAM proposes to install twelve (12) Model DB844H90Din-XY antennas, approximately 48 inches in height, on a platform with their center of radiation at approximately 132.5 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 Bright Meadow Boulevard. (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 Std.</u>	<u>Calculated "Worst-Case"</u>	<u>Percentage of Std.</u>
<u>BAM</u>	0.583 mW/cm ²	0.0389 mW/cm ²	6.67%
<u>Sprint</u>	1.000	0.0222 mW/cm ²	2.22%

The collective "worst-case" exposure would be only 8.89% 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 Enfield area, especially along the heavily traveled Interstate 91 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

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

residents to improve local public safety and emergency communications. The proposed shared use of this facility would likewise improve public safety in the Enfield area.

Conclusion

For the reasons discussed above, the proposed shared use of the existing telecommunications tower facility at Bright Meadow Boulevard 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

Sandy M. Carter
Manager -- Regulatory
Bell Atlantic Mobile

Attachments

cc: Honorable Mary Lou Strom, Mayor
Mr. Scott A. Shanely, Town Manager
Mr. Jose Giner, Director of Planning

© Bell Atlantic Mobile

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



June 30, 1999

Mr. Scott A. Shanely
Town Manager
Town of Enfield
Town Hall
820 Enfield Street
Enfield, Connecticut 06082

Dear Mr. Shanely:

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 Bright Meadow Boulevard, Enfield, 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

© Bell Atlantic Mobile

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



June 30, 1999

Honorable Mary Lou Strom
Mayor
Town of Enfield
Town Hall
820 Enfield Street
Enfield, Connecticut 06082

Dear Ms. Strom:

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Sincerely,

Sandy M. Carter

Sandy M. Carter
Manager - Regulatory

Enclosure

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



June 30, 1999

Mr. Jose Giner
Director of Planning
Town of Enfield
Town Hall
820 Enfield Street
Enfield, Connecticut 06082

Dear Mr. Giner:

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Sincerely,

Sandy M. Carter

Sandy M. Carter
Manager - Regulatory

Enclosure



Site Development
North East

Sprint PCS
1 International Boulevard
Suite 800
Mahwah, NJ 07495

July 1, 1999

Bell Atlantic Mobile
20 Alexander Drive
Wallingford, Ct. 06492

Attention: Ms. Sandy Carter, Regulatory

Re: Tower Sharing for Enfield, Ct. Site
CT03XC221

Dear Ms. Carter,

Please be advised that Sprint PCS authorizes Bell Atlantic Mobile to file the necessary application for co-location on the Enfield Sprint tower facility.

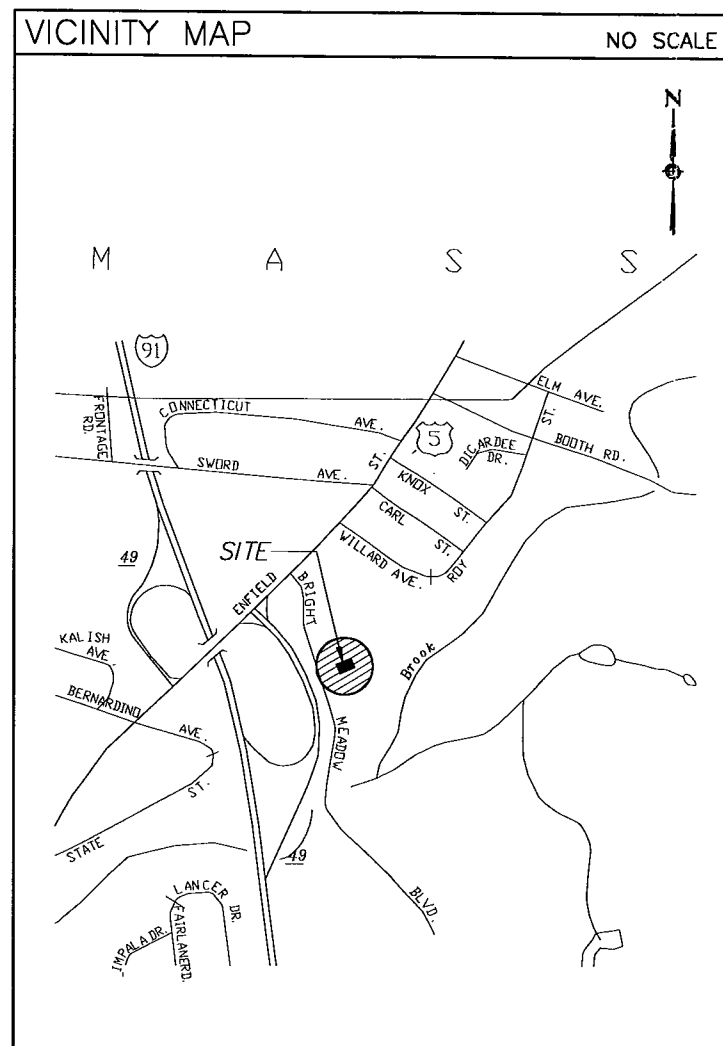
Very truly yours,

A handwritten signature in cursive script that reads "Ken MacMaster".

Ken MacMaster
Property Consultant

Bell Atlantic Mobile WIRELESS COMMUNICATION FACILITY

ENFIELD, NU **BRIGHT MEADOW BOULEVARD** **ENFIELD, CONNECTICUT**



PROJECT SUMMARY

SITE NAME: ENFIELD, NU
SITE ADDRESS: BRIGHT MEADOW BOULEVARD
 ENFIELD, CT.
CONTACT PERSONS: WAYNE LUKACHEK
 NORTHEAST REGIONAL MANAGER
 FOR TECHNICAL OPERATIONS
 BELL ATLANTIC MOBIL
 (203) 269-8858
GOVERNING CODE: CONNECTICUT STATE BUILDING
 AND LIFE SAFETY CODE
LEASOR: BELL ATLANTIC MOBILE
APPLICANT: BELL ATLANTIC MOBILE
 20 ALEXANDER DRIVE
 WALLINGFORD, CT. 06492
ARCHITECT: URS GREINER WOODWARD CLYDE A.E.S.
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067
M/E/P ENGINEER: URS GREINER WOODWARD CLYDE A.E.S.
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067
SURVEYOR: URS GREINER WOODWARD CLYDE A.E.S.
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067

LEGEND

SYMBOL	DESCRIPTION
	EXISTING CONSTRUCTION TO REMAIN
	NEW CONSTRUCTION
	ELEVATION NUMBER
	SHEET WHERE ELEVATION OCCURS

ABBREVIATIONS

EXIST. EXISTING
 FF FINISHED FLOOR
 TYP. TYPICAL

SHEET INDEX

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET - GENERAL NOTES AND LEGENDS
SC-1	SITE PLAN AND TOWER ELEVATION



Bell Atlantic Mobile

A&E FIRM
URS Greiner Woodward Clyde
A-E-S
 500 ENTERPRISE DRIVE
 ROCKY HILL, CONNECTICUT
 1-(800)-529-8882

A&E SEAL

PROJECT NO: F301825.04/F02

DRAWN BY: CRS

CHECKED BY:

ISSUED FOR	
06-01-99	REVIEW
07-01-99	SITING COUNCIL

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

ENFIELD, NU

BRIGHT MEADOW BOULEVARD
 ENFIELD, CT

SCALE: NONE

DATE: 06-01-99

DRAWING 1 OF 2

TITLE SHEET

T-1



Bell Atlantic Mobile

A&E FIRM

**M/S Greiner Woodward Clyde
A-E-S**

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

A&E SEAL

PROJECT NO: F301825.04/F02

DRAWN BY: CRS/JCF

CHECKED BY:

ISSUED FOR

06-01-99	REVIEW
07-01-99	SITING COUNCIL

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ENFIELD, NU

BRIGHT MEADOW BOULEVARD
ENFIELD, CT

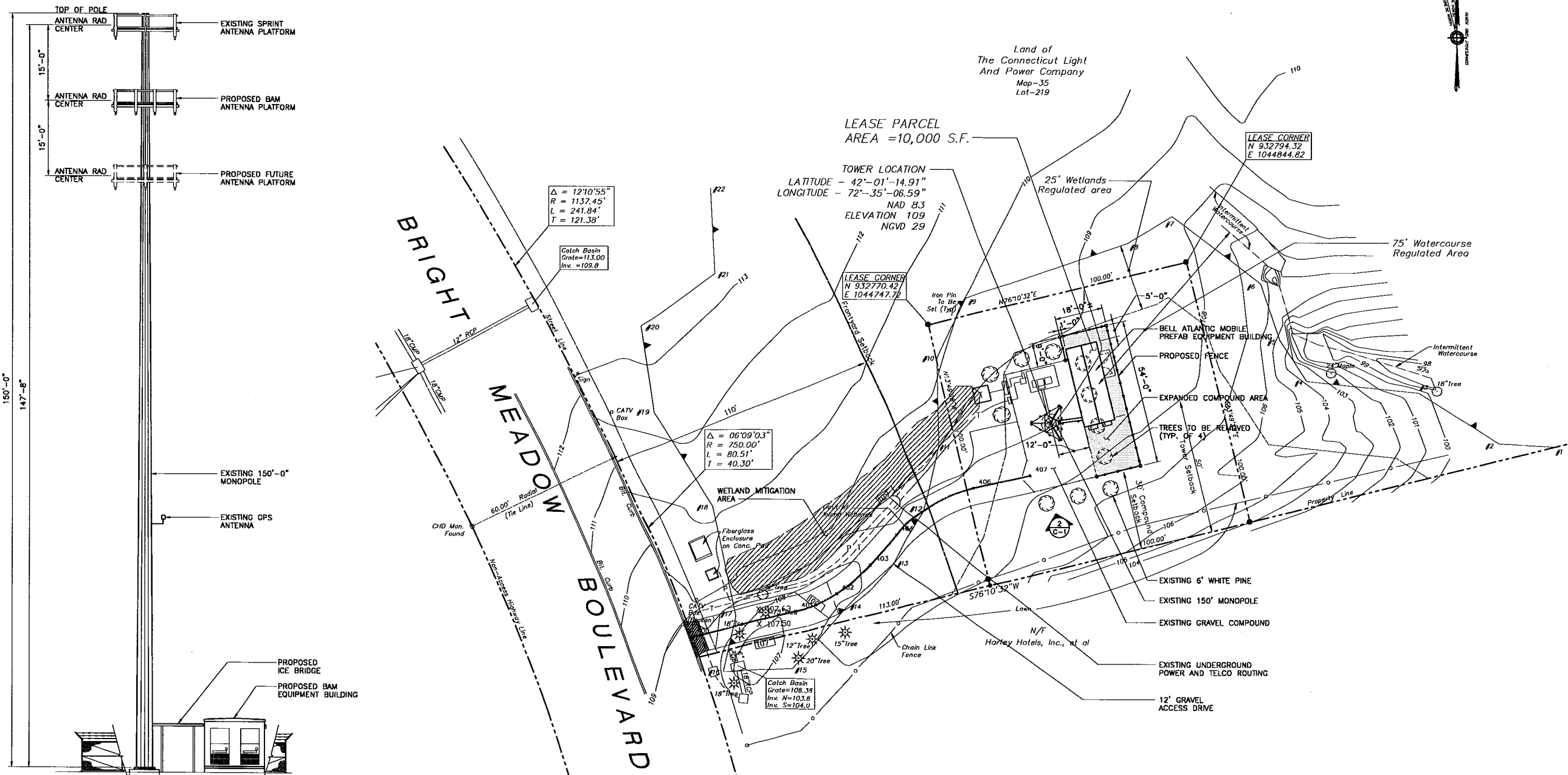
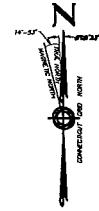
SCALE: AS NOTED

DATE: 06-01-99

DRAWING 2 OF 2

SITE PLAN AND
TOWER ELEVATION

SC-1



2 TOWER ELEVATION
SCALE: 3/32" = 1'-0"

1 SITE PLAN
SCALE: 1" = 20'-0"