



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

January 3, 2002

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

RE: **TS-VER-086-011205** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 41 Beckwith Road, Oakdale, Connecticut.

Dear Attorney Baldwin:

At a public meeting held January 3, 2002, 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 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.

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 December 5, 2001.

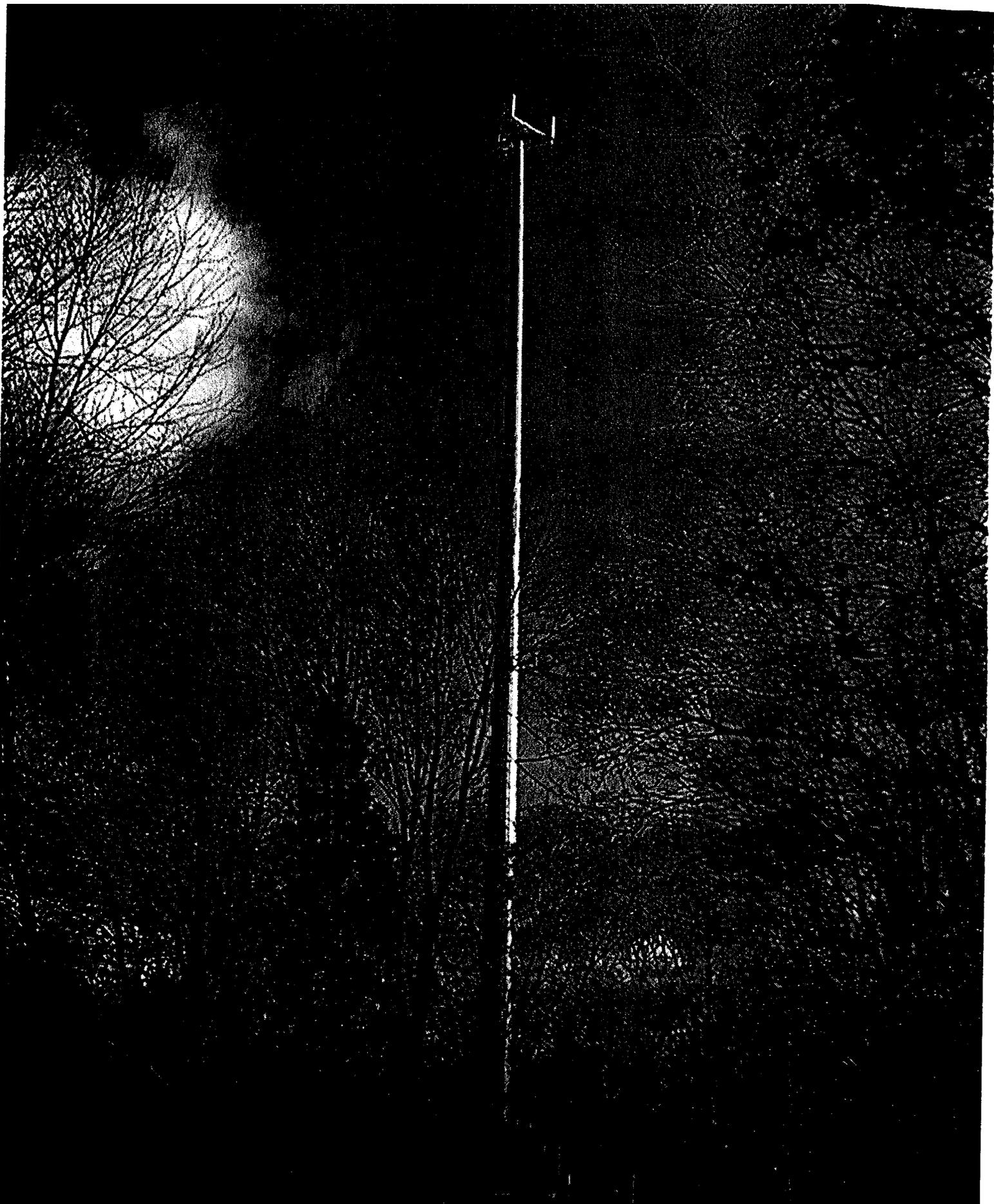
Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Howard R. Beetham, Jr., Mayor, Town of Montville
Marcia Vlaun, Town Planner, Town of Montville
Julie M. Donaldson, Esq., Hurwitz & Sagarin LLC



Verizon - 41 Beckwith Road, Oakdale 12/19/01



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

December 18, 2001

Honorable Howard R. Beetham, Jr.
Mayor
Town of Montville
Town Hall
310 Norwich New London Turnpike
Uncasville, CT 06382

RE: **TS-VER-086-011205** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 41 Beckwith Road, Oakdale, Connecticut.

Dear Mayor Beetham:

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 January 3, 2002, 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 cursive script that reads "Mortimer A. Gelston".

Mortimer A. Gelston
Chairman

MAG/laf

Enclosure: Notice of Tower Sharing

c: Marcia Vlaun, Town Planner, Town of Montville

ROBINSON & COLE LLP

HARTFORD • STAMFORD • GREENWICH • NEW YORK • BOSTON

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

December 5, 2001

Via Hand Delivery

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



Re: **Request of Cellco Partnership d/b/a Verizon Wireless for an Order to Approve the Shared Use of a Tower Facility at 41 Beckwith Road, Oakdale, Connecticut**

Dear Chairman Gelston:

Pursuant to Connecticut General Statutes §16-50aa, as amended, Cellco Partnership d/b/a Verizon Wireless ("Cellco") hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed shared use by Cellco of an existing Sprint PCS ("Sprint") tower located at 41 Beckwith Road, in the Oakdale section of the Town of Montville, Connecticut. Cellco requests that the Council find that the proposed shared use of the tower satisfies the criteria stated in Connecticut General Statutes § 16-50aa and issue an order approving the proposed use.

Background

The Sprint tower at 41 Beckwith Road was constructed pursuant to approvals from the Montville Planning and Zoning Commission. The tower is a 185-foot self-supporting monopole structure within a 100' x 100' facility compound. The tower is currently owned and operated by Sprint.

Cellco is licensed by the Federal Communications Commission (FCC) to provide cellular wireless telephone service in the State of Connecticut, which includes the area to be served by Cellco's proposed Oakdale installation. Cellco and Sprint have agreed to the proposed shared use of this tower pursuant to mutually acceptable terms and conditions, and Sprint has authorized Cellco to act on its behalf to apply for all necessary local, state and federal permits, approvals, and authorizations which may be required for the proposed shared use of this facility.

Mortimer A. Gelston

December 5, 2001

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Cellco proposes to install twelve (12) panel-type antennas at the 167-foot level on the tower. The radio transmission equipment associated with these antennas would be located in a new 12-foot by 30-foot equipment building which would be located near the base of the tower.

C.G.S. § 16-50aa(c)(1) 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.” The shared use of the tower satisfies those criteria as follows:

A. Technical Feasibility. The existing tower is structurally capable of supporting the proposed Cellco antennas. The proposed shared use of this tower therefore is technically feasible. A letter verifying the structural integrity of the existing tower is attached to this filing.

B. Legal Feasibility. Under C.G.S. § 16-50aa, the Council has been authorized to issue orders approving the proposed shared use of an existing tower facility such as the facility at 41 Beckwith Road in Oakdale. This authority complements the Council’s prior-existing authority under C.G.S. § 16-50p to issue orders approving the construction of new towers that are subject to the Council’s jurisdiction. In addition, § 16-50x(a) directs the Council to “give such consideration to other state laws and municipal regulations as it shall deem appropriate” in ruling on requests for the shared use of existing towers facilities. Under the statutory authority vested in the Council, an order by the Council approving the requested 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. In particular, the proposed installations would not increase the height of the existing tower, and would not extend the boundaries of the tower site outside the limits of the existing site compound.
2. The proposed installations would not increase the noise levels at the existing facility by six decibels or more.
3. Operation of Cellco antennas at this site would not exceed the total radio frequency (RF) electromagnetic radiation power density level adopted by the Federal Communications Commission. The “worst-case” exposure calculated for operation of this facility (i.e., calculated at the base of the tower), would be 0.0153 mW/cm² (1.53% of the standard) for Sprint antennas at the 177-foot level. Cellco would add 0.024 mW/cm² (4.19%

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Mortimer A. Gelston
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Page 3

of the standard), for a total of 5.72% of the standard as measured for mixed frequency sites.

4. The proposed installations, would not require any water or sanitary facilities, or generate air emissions or discharges to water or sanitary facilities, or generate air emissions or discharges to water bodies. After construction is complete the proposed installations 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.

E. Economic Feasibility. As previously mentioned, Sprint and Cellco have entered into a mutual agreement to share the use of the replacement tower on terms agreeable to the parties. The proposed tower sharing is therefore economically feasible.

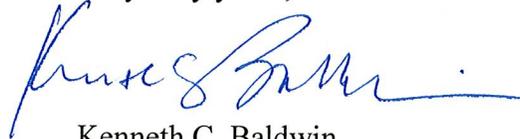
F. Public Safety Concerns. As stated above, the tower will be structurally capable of supporting the Cellco antennas. Cellco is not aware of any public safety concerns relative to the proposed sharing of the existing tower. In fact, the provision of new or improved phone service through shared use of the existing tower is expected to enhance the safety and welfare of area residents.

Conclusion

For the reasons discussed above, the proposed shared use of the existing tower at 41 Beckwith Road in Oakdale, Connecticut satisfies the criteria stated in C.G.S. § 16-50aa and advances the General Assembly's and the Siting Council's goal of preventing the proliferation of towers in Connecticut. The Applicant therefore requests that the Siting Council issue an order approving the proposed shared use.

Thank you for your consideration of this matter.

Very truly yours,



Kenneth C. Baldwin

KCB/kmd
Attachments

cc: Howard R. Beetham, Jr., Mayor, Town of Montville
Sandy M. Carter



November 29th, 2001

Mr. Mark Gauger
Verizon Wireless
99-101 East River Road
East Hartford, CT 06002

Re: *Chesterfield*
41 Beckwith Road
Oakdale, CT
Natcomm Proj. No. 337C

Dear Mark,

We have reviewed the proposed Verizon antenna installation at the above referenced site. The purpose of the review is to determine the adequacy of an existing 180ft. 5 carrier monopole to support the proposed antennas. Considered were the effects of wind load, dead load, ice load and seismic forces in accordance with TIA/EIA-222-F and Connecticut State Building Code. Structural design documents prepared by ENGINEERED ENDEAVORS INC. job #7776-P01 dated September 7, 2001 were used as reference material along with tower loading form furnished by Verizon dated November 28, 2001.

The existing antenna configuration is as indicated on the design documents as follows:

- Sprint: Twelve (12) DB980H90E mounted on a low profile platform at an elevation of 177 ft.
One (1) GPS mounted at an elevation 177 ft.

The proposed additional antenna loading is as follows:

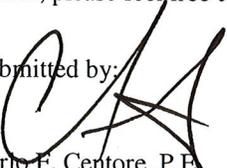
- Verizon: Twelve (12) DB844H90 mounted on a low profile platform at an elevation of 167 ft.
One (1) Lucent KS24019 GPS mounted at an elevation of 167 ft.

The future antenna loading is as follows:

- Future carrier: Twelve (12) DAPA panel antennas mounted on a low profile platform at an elevation of 160 ft.
- Future carrier: Twelve (12) DAPA panel antennas mounted on a low profile platform at an elevation of 150 ft.
- Future carrier: Twelve (12) DAPA panel antennas mounted on a low profile platform at an elevation of 140 ft.

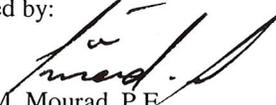
In conclusion, the existing 180 ft. monopole is adequate to support the proposed Verizon antennas in accordance with TIA/EIA 222-F standards for basic wind speed of 85 mph with ½" radial ice. If there are any questions regarding this matter, please feel free to call.

Submitted by:


Carlo F. Centore, P.E.
Senior Project Manager



Prepared by:


Emad M. Mourad, P.E.

Structural Engineer

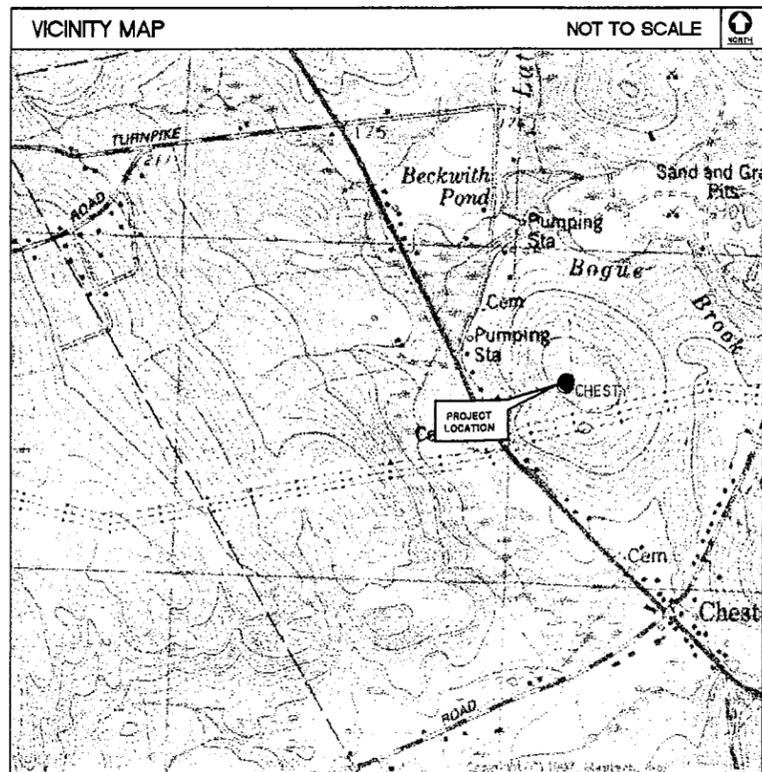
Cellco Partnership

d.b.a. **verizon** wireless

WIRELESS COMMUNICATIONS FACILITY

CHESTERFIELD
41 BECKWITH ROAD
OAKDALE, CT 06370

PROJECT SUMMARY	
SITE NAME:	CHESTERFIELD
SITE ADDRESS:	41 BECKWITH ROAD OAKDALE, CT 06370
PROPERTY OWNER:	LOUIS HEALY BOND 41 BECKWITH ROAD OAKDALE, CT 06370
APPLICANT:	VERIZON WIRELESS 99-101 EAST RIVER DR. EAST HARTFORD, CT 06108
CENTER OF TOWER:	LATITUDE: 41° 28' 07.86" LONGITUDE: 72° 13' 15.07" BASE ELEV: 282.5' ±AMSL COORDINATES ARE BASED ON DRAWING TITLED "SITE PLAN" PREPARED FOR SPRINT PCS BY: MARTINEZ COUCH & ASSOCIATES DATE: MARCH 06, 2000
GENERAL NOTES	
1. PROPOSED AND EXISTING ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY VERIZON WIRELESS.	
SITE DIRECTIONS	
FROM: 99-101 EAST RIVER DR., EAST HARTFORD, CT. TO: 41 BECKWITH ROAD, OAKDALE, CT	
TURN RIGHT ONTO EAST RIVER DR. TURN LEFT TO TAKE CT-2E RAMP. MERGE ONTO CT-2E. TAKE EXIT 19 ONTO CT-115 TOWARD NEW LONDON. TAKE EXIT 4 ONTO CT-82 TOWARD SALEM/HADDAM. TURN LEFT ONTO EAST HADDAM RD. TURN RIGHT ONTO NEW LONDON RD. NEW LONDON RD. BECOMES CT-85/HARTFORD NEW LONDON TURNPIKE. TURN LEFT ONTO BECKWITH RD.	



LEGEND		
SYMBOL	DESCRIPTION	
	SECTION OR DETAIL NUMBER SHEET WHERE DETAIL/SECTION OCCURS	
	ELEVATION NUMBER	
	SHEET WHERE ELEVATION OCCURS	
SHEET INDEX		
SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	00
C-1	COMPOUND PLAN & TOWER ELEVATION	00

REVISIONS		
00	11/14/01	SITING COUNCIL REVIEW
01	11/21/01	FINAL SITING COUNCIL

Cellco Partnership
d.b.a. **verizon** wireless

Natcomm L.L.C. Engineering Consultants

Natcomm L.L.C.
432 North Stratford Road
Stratford, Connecticut 06405
Tel: (203) 488-0580
Fax: (203) 488-8587
Consulting Engineers - Project Management
Civil - Structural - Mechanical - Electrical

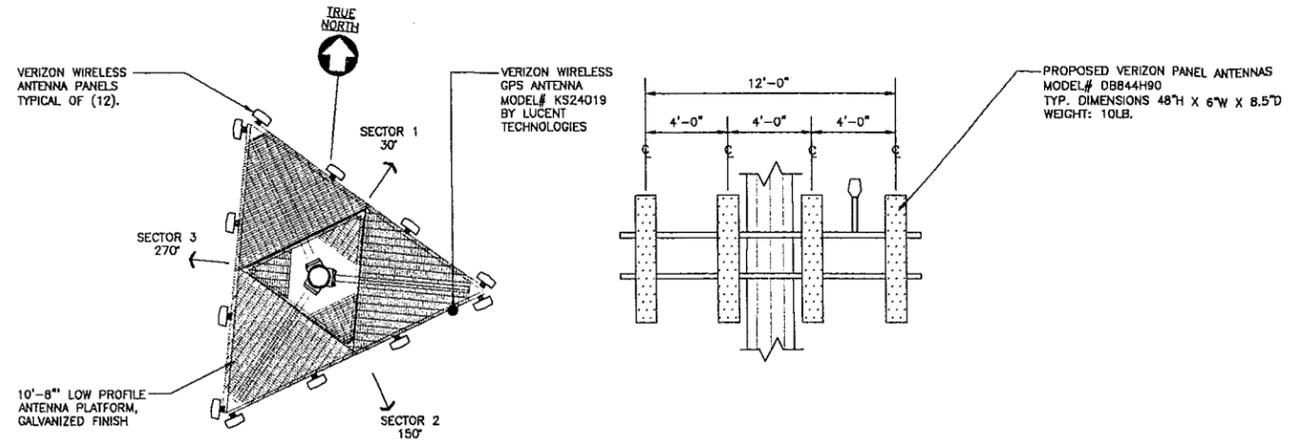


CHESTERFIELD
41 BECKWITH RD.
OAKDALE, CT

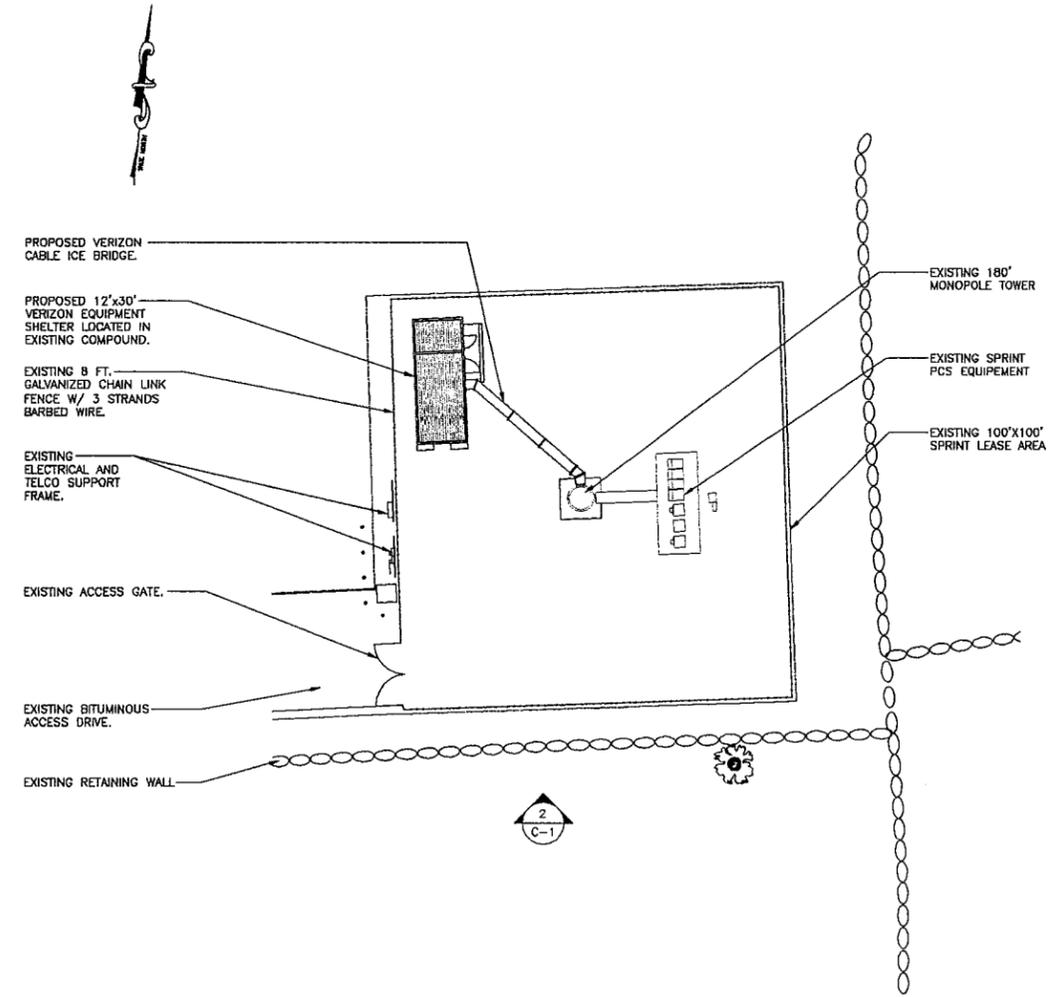
PROJECT NO:	337A
DRAWN BY:	CMS
CHECKED BY:	FJT
SCALE:	AS NOTED
DATE:	11/06/01

TITLE SHEET

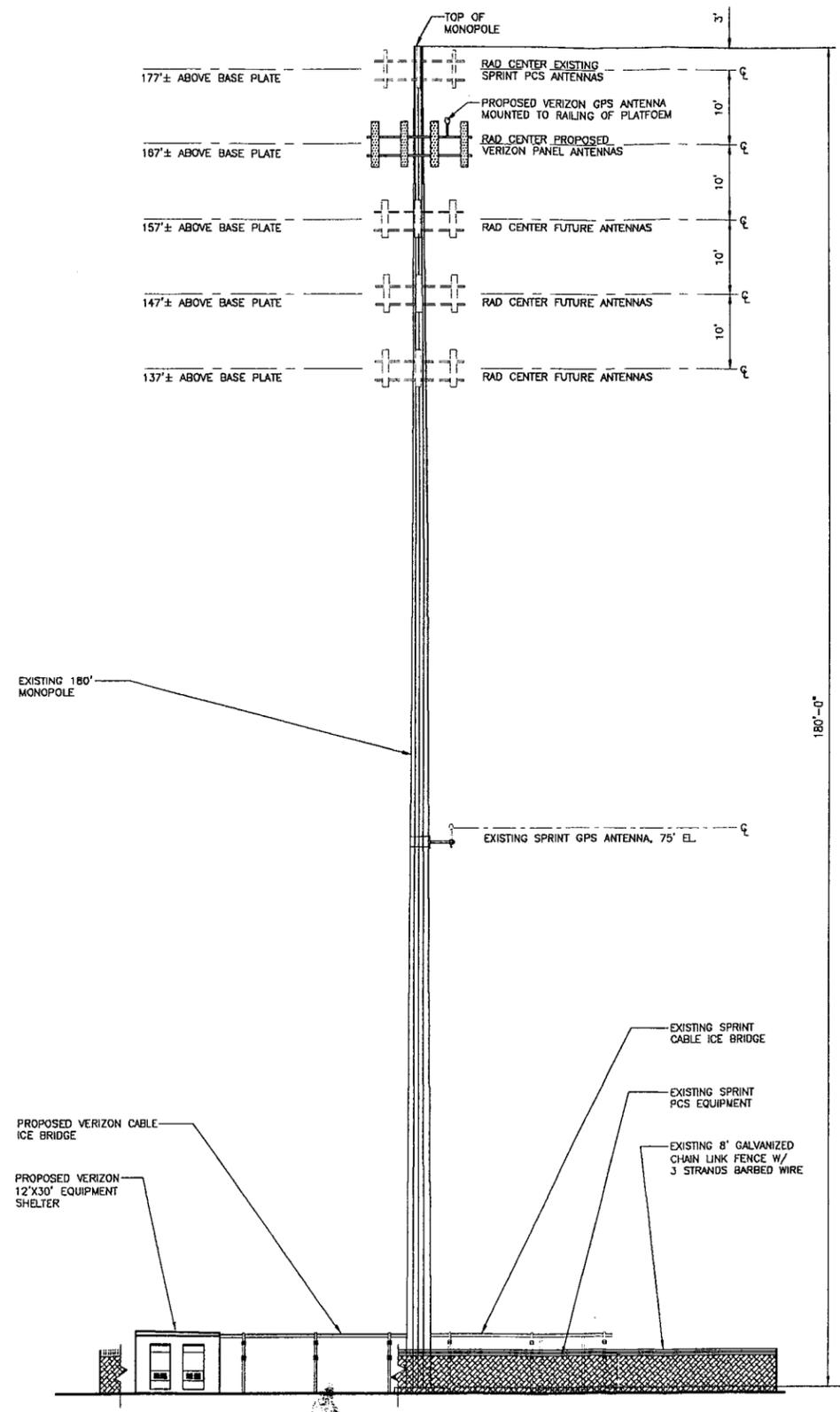
T-1
DWG. 1 OF 2



3 ANTENNA MOUNTING CONFIGURATION
C-1 NOT TO SCALE



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



2 TOWER ELEVATION
C-1 SCALE: 1" = 10'-0"

REVISIONS	
00	11/14/01 S'TING COUNCIL REVIEW
01	11/21/01 FINAL S'TING COUNCIL

Cellco Partnership
d.b.a. **verizon** wireless

Natcomm, LLC - Engineering Consultants
NATCOMM
Natcomm, LLC - Engineering Consultants
85-2 North Branford Road
Branford, Connecticut 06405
Tel: (203) 488-0590
Fax: (203) 488-8587
Consulting Engineers - Project Management
Civil - Structural - Mechanical - Electrical

CHESTERFIELD
41 BECKWITH RD.
OAKDALE, CT

PROJECT NO: 337A
DRAWN BY: DFB
CHECKED BY: FJT
SCALE: AS NOTED
DATE: 11/06/01

COMPOUND PLAN AND ELEVATION

C-1
DWG. 2 OF 2

337ASC01.dwg 11-21-01 7:44:53 am EST