



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

April 17, 2000

Peter W. van Wilgen
Director-Real Estate Operations
Springwich Cellular Limited Partnership
500 Enterprise Drive
Rocky Hill, CT 06067

RE: TS-SCLP-151-000330 - Springwich Cellular Limited Partnership request for an order to approve tower sharing at an existing telecommunications facility located at Captain Neville Drive in Waterbury, Connecticut.

Dear Mr. van Wilgen:

At a public meeting held April 12, 2000, 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 March 29, 2000.

Thank you for your attention and cooperation.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Mortimer A. Gelston', written over a horizontal line.

Mortimer A. Gelston
Chairman

MAG/RKE/grg

c: Honorable Philip A. Giordano, Mayor, City of Waterbury



500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7730
Fax: (860) 513-7614

Springwich Cellular Limited Partnership

Peter W. van Wilgen
Director - Real Estate Operations

March 29, 2000

RECEIVED

MAR 30 2000

**CONNECTICUT
SITING COUNCIL**

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

**Re: Springwich Cellular Limited Partnership Cellular Communications
Site – Captain Neville Drive, Waterbury, Connecticut**

Dear Chairman Gelston:

Springwich Cellular Limited Partnership (SCLP) plans to install cellular antennas and a related equipment building at the facility owned by Candid Communications of Waterbury, LLC (Candid Communications), of 110 Washington Avenue, 4th floor, North Haven, Connecticut 06473. Please accept this letter as our request to share the existing facility pursuant to C.G.S. Section 16-50aa. A copy of this letter is being sent to Philip A. Giordano, the Mayor of the City of Waterbury.

The tower proposed for use by SCLP is being constructed by Candid Communications. Candid Communications has received zoning approval from the City of Waterbury to construct a 150' monopole designed with four platforms for the purpose of tower sharing. SCLP is the first carrier to reach an agreement with the tower owner to use the tower and install radio equipment at the site. The tower will be located on Captain Neville Drive in the City of Waterbury and will be a 152' monopole with coordinates of Latitude 41° 32' 3" Longitude 72° 58' 8". The tower is presently under construction. Upon completion of the tower, SCLP plans to install up to twelve, four foot tall panel-type cellular antennas on the tower at the 150' foot level, as shown on the attached tower profile. SCLP will also install a single story, approximately 12' x 26' equipment building which will contain radio transmission equipment (See attached Site Plan).

Power Density Calculations.

The operation of SCLP's antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base, to a level at or above the ANSI standard. The following table shows the power density at the site from SCLP's proposed use in relation to the standard.

FREQUENCY	POWER DENSITY	HEIGHT	STANDARD LIMITS (mW/cm2)	% OF STANDARD
SNET Wireless 880 - 894	0.0332	150'	0.5867	5.66%
TOTAL	N/A		N/A	5.66%

As the table demonstrates, SCLP's proposed antennas would contribute 5.66% of the ANSI standard for the cellular frequency range as calculated for a single frequency site.

Statutory Considerations. 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 satisfied the criteria stated in C.G.S. §16-50aa as follows:

- A. **Technical Feasibility.** The existing tower will be structurally sound and capable of supporting four wireless carriers, including the proposed antennas. The proposed shared use of this tower therefore is technically feasible.
- B. **Legal Feasibility.** Under C.G.S. §16-50aa, the Council has been authorized to issue an order approving the proposed shared use of an existing facility. (C.G.S. §16-50aa(c)(1).) 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. C.G.S. §16-50x(a) directs the Council to "give such consideration to other state laws and municipal regulations as it shall deem appropriate" on ruling of requests for the shared use of tower facilities. Candid Communications has received local zoning approval for the construction of this tower. (See copy of Building Permit attached.) Under the authority vested in the Council by C.G.S. §16-50aa, 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 antenna installation would have an insignificant incremental visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics in or around the tower site. In particular, the proposed installation would not increase the height of the existing tower, and would not extend the boundaries of the tower site.

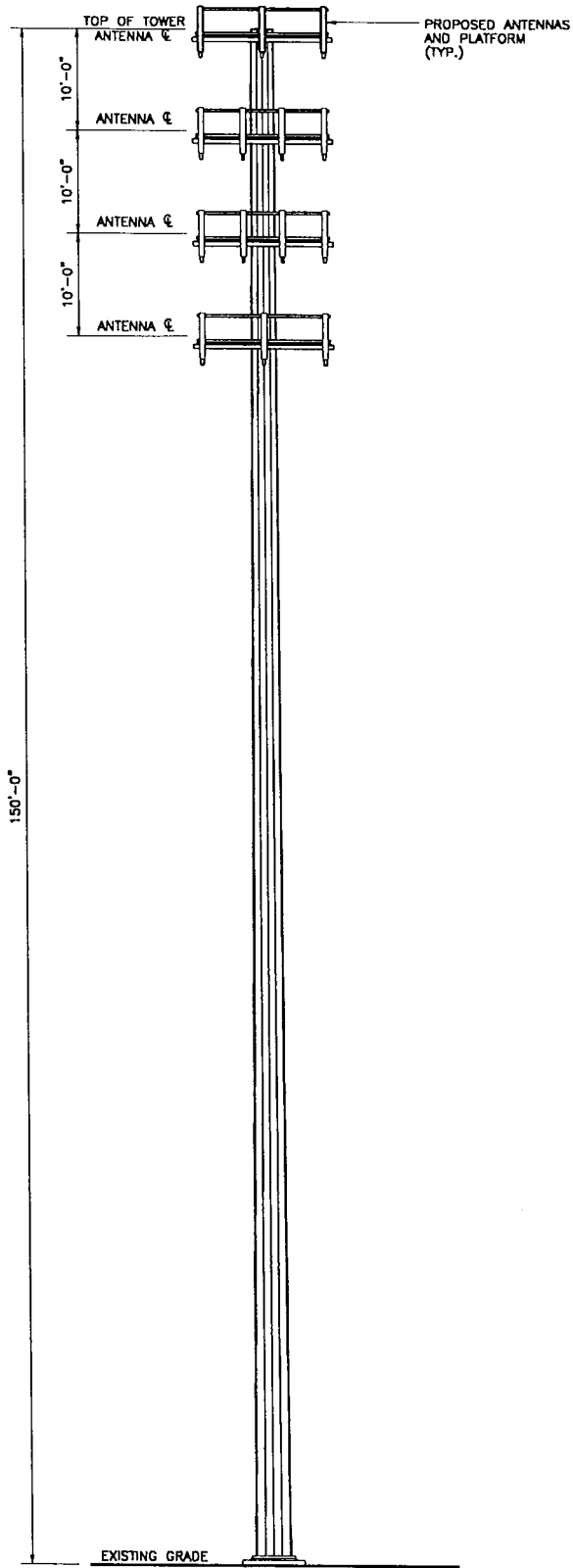
2. The proposed installation would not increase the noise levels at the existing facility by six decibels or more.
 3. Operations of antennas at this site would not exceed the total radio frequency electromagnetic radiation power density levels adopted by the State of Connecticut and the FCC as shown above. The "worst-case" exposure levels have also been calculated for ground level, which is an uncontrolled environment since it is generally accessible. The power density at ground level is only 5.66 % of both the ANSI and FCC standards for an uncontrolled environment. As such, the facility would be operated in full and complete compliance with the Federal Telecommunications Act of 1996.
 4. The proposed installation would not require any water or sanitary facilities, or general air emissions or discharges to water bodies. After construction is completed (approximately four weeks), the proposed installation would not generate any traffic other than periodic maintenance visits. The proposed use of the facility would therefore have a minimal environmental effect, and is environmentally feasible.
- D. **Economic Feasibility.** As previously stated, SCLP has entered into an agreement with the facility owner to share use of the existing facility on mutually agreed to terms. The proposed facility sharing is therefore economically feasible.
- E. **Public Safety Concerns.** As stated above, the tower is structurally capable of supporting the proposed antennas. The applicant is not aware of any other public safety issues relative to the proposed sharing of the tower. In fact, the provision of new or improved wireless coverage in the area is expected to enhance the safety and welfare of area residents. The public safety benefits of wireless service are further illustrated by the recent decision of local authorities elsewhere in Connecticut and in other parts of the country to provide mobile phones to residents to improve local public safety and enhance emergency communications. The proposed-shared use of this facility would likewise improve public safety in the City of Waterbury.

For the foregoing reasons, SCLP respectfully requests that the Council find the proposed shared use of this facility satisfies the criteria stated in C.G.S. Section 16-50aa and issue an order approving this proposed use.

Sincerely,



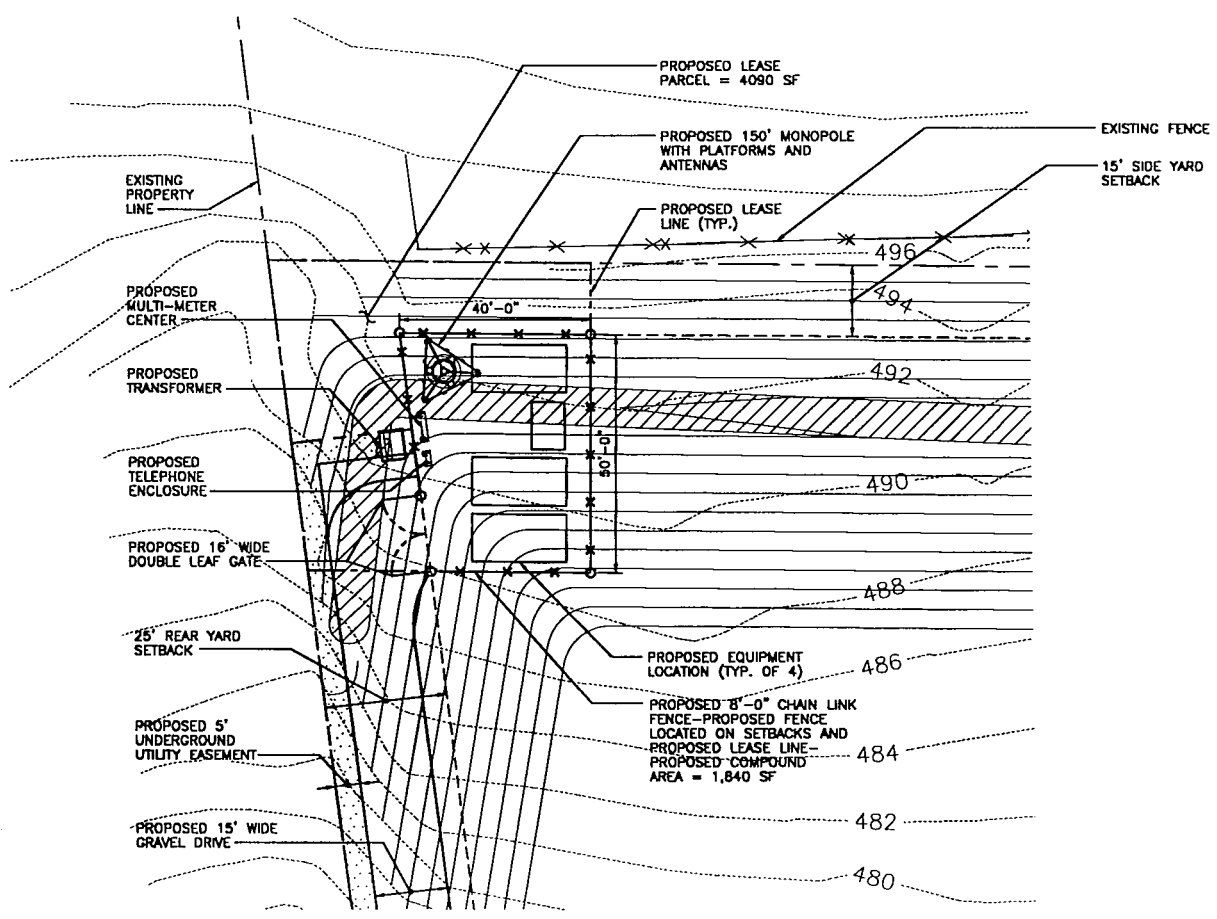
cc: Philip A. Giordano, Mayor



1 MONOPOLE ELEVATION
L-3 SCALE: N.T.S.

Handwritten signature and date: 10/24/99

SITE ID NO:	URS Greiner Woodward Clyde A-E-S 500 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT 1-(860)-628-6882	CANDID COMMUNICATIONS LLC 110 WASHINGTON AVENUE NORTH HAVEN, CT 06473 CAPTAIN NEVILLE DRIVE CAPTAIN NEVILLE DRIVE WATERBURY, CONNECTICUT		Dwg. No.
Designed by:				L-3
Drawn by: JM			10-26-99 REVISIONS	
Checked by:			REV. DATE: DESCRIPTION	
Approved by:			Scale: AS SHOWN Date: 10-01-99	
	Job No. F301877.00	File No. L-3	Dwg. 3 of 3	



1 COMPOUND PLAN
L-2 SCALE: 1" = 40'-0"

Handwritten signature and date: 10/26/99

SITE ID NO:	URS Greiner Woodward Clyde A-E-S 500 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT 1-(860)-529-8882	CANDID COMMUNICATIONS LLC 110 WASHINGTON AVENUE NORTH HAVEN, CT 06473 CAPTAIN NEVILLE DRIVE CAPTAIN NEVILLE DRIVE WATERBURY, CT		Dwg. No.
Designed by:				L-2
Drawn by: CRS			10-26-99 REVISIONS REV. DATE: DESCRIPTION	
Checked by:			Scale: AS SHOWN Date: 10-01-99	
Approved by:			Job No. F301877.00 File No. L-2 Dwg. 2 of 3	

BUILDING PERMIT

City of Waterbury

No. 9779 C

Location: 670 CAPTAIN NEVILLE DR

Use: CELLULAR TOWER

Date: 12-20-99

BUILDING DEPT.
BY:

J. Steven O'Brien

MINIMUM OF THREE CALL INSPECTIONS
REQUIRED FOR ALL CONSTRUCTION
WORK:
1. FOUNDATIONS OR FOOTINGS.
2. PRIOR TO COVERING STRUCTURAL
MEMBERS (READY TO LATH).
3. FINAL INSPECTION BEFORE
OCCUPANCY.

APPROVED PLANS MUST BE RETAINED ON JOB AND THIS
CARD KEPT POSTED UNTIL FINAL INSPECTION HAS BEEN
MADE. WHERE A CERTIFICATE OF OCCUPANCY IS REQUIRED,
SUCH BUILDING SHALL NOT BE OCCUPIED UNTIL FINAL
INSPECTION HAS BEEN MADE.

WHERE APPLICABLE, SEPARATE PERMITS ARE
REQUIRED FOR ELECTRICAL, PLUMBING AND
MECHANICAL INSTALLATIONS.

POST THIS CARD SO IT IS VISIBLE FROM STREET

BUILDING INSPECTION APPROVALS	PLUMBING INSPECTION APPROVALS	ELECTRICAL INSPECTION APPROVALS
1	1	1
2	2	2
3	HEATING INSPECTION APPROVALS	REFRIGERATION INSPECTION APPROVALS
	1	1
OTHER	2	2

WORK SHALL NOT PROCEED UNTIL THE
INSPECTOR HAS APPROVED THE VARIOUS
STAGES OF CONSTRUCTION.

**PERMIT WILL BECOME NULL AND VOID IF CONSTRUCTION
IS NOT STARTED WITHIN SIX MONTHS OF DATE THE PERMIT
IS ISSUED AS NOTED ABOVE.**

INSPECTIONS INDICATED ON THIS CARD *CA*
BE ARRANGED FOR BY TELEPHONE *C*
WRITTEN NOTIFICATION.