



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

June 2, 1998

Peter J. Tyrrell
Senior Counsel
Springwich Cellular Limited Partnership
500 Enterprise Drive
Rocky Hill, CT 06067-3900

Re: **DOCKET NO. 100** - Springwich Cellular Limited Partnership Certificate of Environmental Compatibility and Public Need for a telecommunications facility located off of Barbara Road in Tolland, Connecticut. Notice of Intent to Modify Facility.

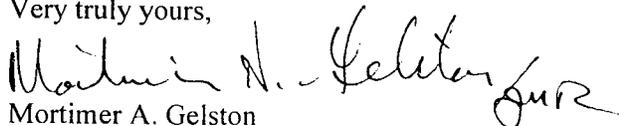
Dear Attorney Tyrrell:

At a public meeting held on May 28, 1998, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility in Tolland, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated May 13, 1998. 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 frequency 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/RKE/jlh

c: David Smith, Acting Town Manager, Town of Tolland

Springwich Cellular Limited Partnership

500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7755
Fax: (860) 513-7614

Peter J. Tyrrell
General Counsel

May 13, 1998

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

R. J. Tyrrell

MAY 14 1998

CONNECTICUT
SITING COUNCIL

Re: Springwich Cellular Limited Partnership - Tolland Cell Site

Dear Mr. Gelston:

The Springwich Cellular Limited Partnership ("Springwich") plans to allow Sprint Spectrum Limited Partnership ("Sprint") and Omnipoint Communications, Inc. ("Omnipoint") to install antennas and related equipment at the existing Springwich facility in Tolland, Connecticut. Bell Atlantic Mobile ("BAM") has shared this facility with Springwich since 1996. Please accept this letter as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the Town Manager of Tolland.

The existing facility consists of a 150 foot monopole and two (2) equipment shelters located off of Barbara Road in Tolland. This facility was approved by the Connecticut Siting Council in its January 5, 1989 Decision and Order in Docket No. 100.

Sprint plans to attach to the tower nine (9) panel antennas, Decibel Products Model DB980, approximately 5 feet in height, and one (1) small related Global Positioning Satellite System ("GPS") receive-only antenna, and to install an equipment cabinet on a pad adjacent to the tower.

Omnipoint plans to attach to the tower a PCS AcCELLerator, containing three (3) panel antennas, EMS Wireless Model TRR90-17, approximately six feet in height, and one (1) small related GPS receive-only antenna, and to install an equipment cabinet on a pad adjacent to the tower. In order to accommodate the additional Sprint and Omnipoint uses, the existing tower will be replaced.

The changes to the tower site do not constitute a modification as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b), subsections (2) and (3).

First, the height of the tower will be unaffected. The existing 150 foot monopole will be replaced with a 150 foot monopole. The replacement tower will be designed to accommodate multiple users, in order to further the intent of C.G.S. Section 16-50aa. Springwich's antennas will be placed on a platform at the top of the tower, with the center of radiation at approximately the 150 foot level of the tower. BAM's antennas will be placed on a platform with the center of radiation at approximately the 140 foot level of the tower. Sprint's antennas will be placed on a platform with the center of radiation at approximately 130 foot level of the tower. Omnipoint's antennas will be attached to a mounting pipe above the top of the tower above the Springwich antennas, with a center of radiation at approximately the 160 foot level of the tower. The tower will also be designed to accept a fourth platform for a future user, but the platform will not be installed until a user is located. Neither the replacement tower itself nor the additional antennas will extend above the approved height of 167 total feet for the tower and antennas, which was certificated by the Council in Docket No. 100.

Second, the proposed changes will not extend the site boundaries. Springwich leases a parcel of land 150 feet by 150 feet in size. The existing fenced area is approximately 80 feet by 80 feet. The location of the additional two (2) carriers will be placed just outside the existing fenced area. An additional area within the 150 foot by 150 foot leased parcel will be fenced to accommodate the replacement tower and Sprint's and Omnipoint's equipment space requirements. All proposed changes are reflected on the attached site plan.

Third, the proposed additions will not increase the noise levels at the existing facility by six decibels or more. Except for noise resulting from construction, the only additional noise will be from cooling mechanisms for Sprint's and Omnipoint's equipment cabinets.

Fourth, 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 Connecticut and ANSI standard. A "worst-case" calculation for a point at the base of the tower indicates that Springwich's cellular operations result in 0.0332 mW/cm^2 , or 5.66% of the standard for uncontrolled environments at cellular frequencies of 0.587 mW/cm^2 . BAM's cellular operations result in 0.0384 mW/cm^2 , or 6.62% of the standard for uncontrolled environments at cellular frequencies of 0.583 mW/cm^2 . Sprint's operations would add 0.0317 mW/cm^2 , or 3.17% of the standard of 1.000 mW/cm^2 . Omnipoint's operations would add 0.0149 mW/cm^2 , or 1.49% of the standard of 1.000 mW/cm^2 . Thus, the calculated "worst-case" power density for the combined operations at the site is 16.94% of the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, Springwich respectfully submits that the changes to accommodate tower sharing at the Tolland facility constitute an exempt modification under R.C.S.A. Section 16-50j-72(b).

Respectfully yours,



Enclosure

cc: Mr. Timothy Tieperman, Town Manager

APPROVED BY: A. JOHNSON
 CHECKED BY: A. JOHNSON
 PREPARED BY: R. BURNS



INTERSTATE - 84

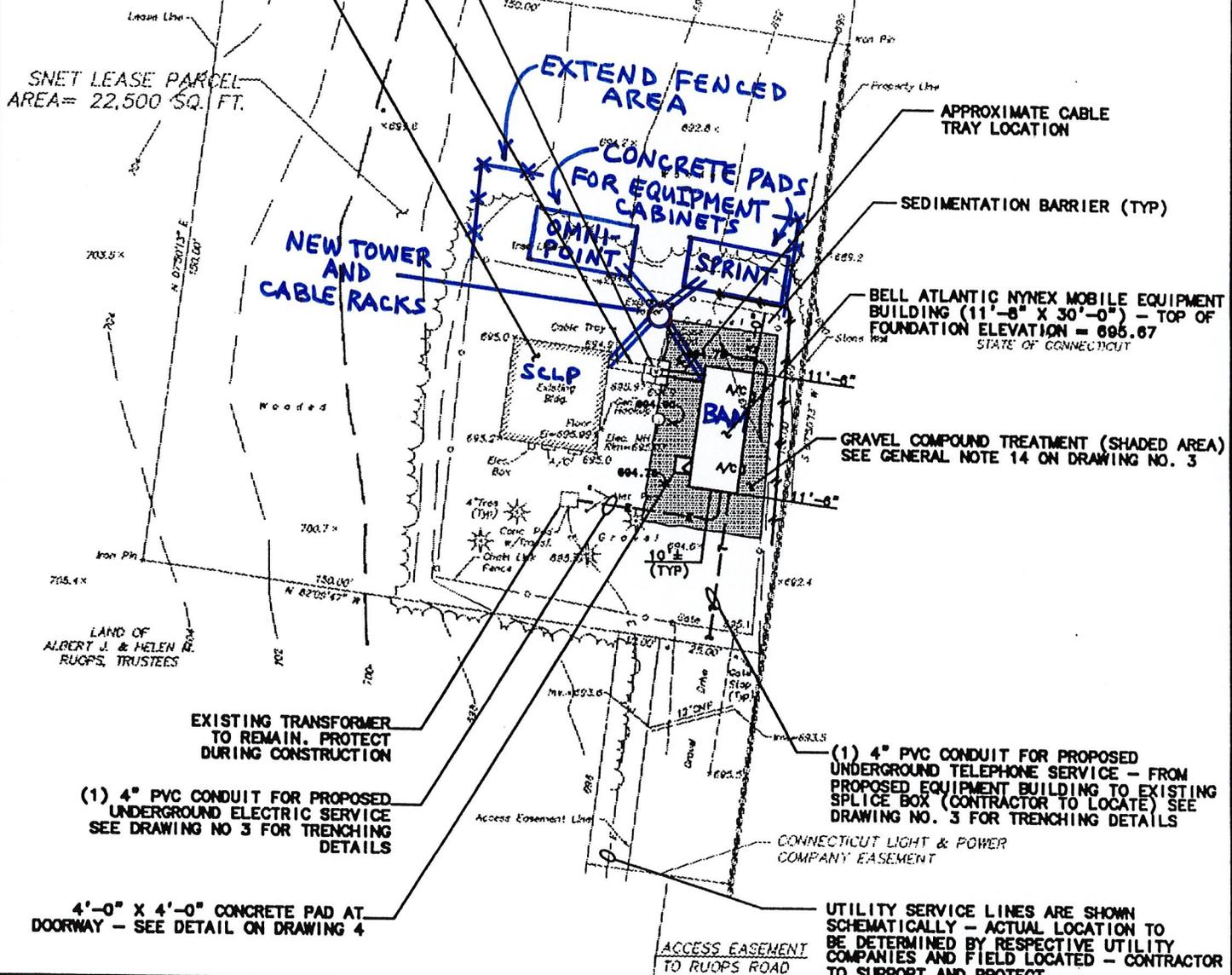
EXISTING TOWER TO REMAIN. PROTECT DURING CONSTRUCTION
 EXISTING CABLE TRAY TO REMAIN. PROTECT DURING CONSTRUCTION
 BUILDING AND APPURTENANCES TO REMAIN. PROTECT DURING CONSTRUCTION

LAND OF ALBERT J. & HELEN M. RUOPS, TRUSTEES

SITE LOCATION

LATITUDE -- 41°-52'-23"
 LONGITUDE -- 72°-20'-19"
 NAD 1927

SNET LEASE PARCEL AREA = 22,500 SQ. FT.



BM - 4
 PK. 1st 1' Up
 12" Oak
 ELEV. = 620.60

BELL ATLANTIC NYNEX MOBILE EQUIPMENT BUILDING (11'-8" X 30'-0") - TOP OF FOUNDATION ELEVATION = 695.67 STATE OF CONNECTICUT

GRAVEL COMPOUND TREATMENT (SHADED AREA) SEE GENERAL NOTE 14 ON DRAWING NO. 3

(1) 4" PVC CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE - FROM PROPOSED EQUIPMENT BUILDING TO EXISTING SPLICE BOX (CONTRACTOR TO LOCATE) SEE DRAWING NO. 3 FOR TRENCHING DETAILS

(1) 4" PVC CONDUIT FOR PROPOSED UNDERGROUND ELECTRIC SERVICE SEE DRAWING NO 3 FOR TRENCHING DETAILS

4'-0" X 4'-0" CONCRETE PAD AT DOORWAY - SEE DETAIL ON DRAWING 4

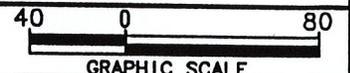
CONNECTICUT LIGHT & POWER COMPANY EASEMENT

UTILITY SERVICE LINES ARE SHOWN SCHEMATICALLY - ACTUAL LOCATION TO BE DETERMINED BY RESPECTIVE UTILITY COMPANIES AND FIELD LOCATED - CONTRACTOR TO SUPPORT AND PROTECT

ACCESS EASEMENT TO RUOPS ROAD

BELL ATLANTIC NYNEX MOBILE
 RUOPS ROAD
 TOLLAND, CONNECTICUT

SITE LAYOUT

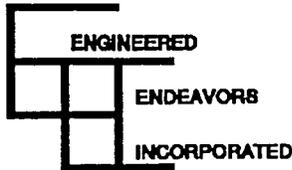


SCALE: HOR - 1" = 40'
 VERT - N/A

Greiner, Inc.
 ROCKY HILL, CONNECTICUT
 F101275.06

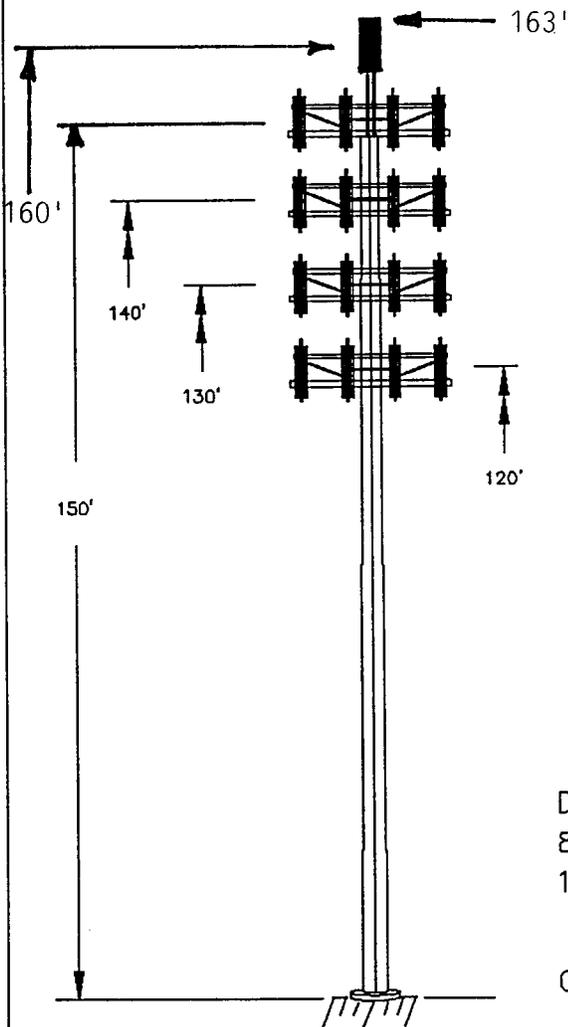
REFERENCE REPORTS

DWG	DATE
1	JULY 1996



Customer LUCENT TECHNOLOGIES By L. PADGETT 3/2/98
 Structure 150' MONOPOLE Checked _____ Date 3503
 Job/Quote No. _____

SITE LOCATION - TOLLAND COUNTY, CT.
 SITE NAME - TOLLAND



ANTENNA LOADING:

- (12) ALLGON 7120.16 DIRECTIONAL ANT. STS. AMPS PLATFORM (SPRINGWICH)
- (12) ALLGON 7120.16 DIRECTIONAL ANT. STS. AMPS PLATFORM @ 140' (BAM)
- (12) ALLGON 7184.05 DIRECTIONAL ANT. STS. AMPS PLATFORM @ 130' (SPRINT)
- (12) ALLGON 7184.05 DIRECTIONAL ANT. STS. AMPS PLATFORM @ 120' (FUTURE)
- (3) EMS WIRELESS TRR90-17 ANTENNAS (PCS ACCELERATOR) @ 160' (OMNIPOINT)

DESIGN NOTES:

DESIGNED IN ACCORDANCE WITH EIA 222 F&E
 85 MPH BASIC WIND SPEED
 1/2" RADIAL ICE

CASE I - DESIGN LOADING
 85 MPH BASIC WIND SPEED

CASE II - DESIGN LOADING WITH ICE
 75% OF 85 MPH WIND WITH 1/2" ICE



NOTE: IT IS THE RESPONSIBILITY OF THE PURCHASER TO VERIFY THAT THE WIND LOADS AND DESIGN CRITERIA SPECIFIED MEET THE REQUIREMENTS OF ALL LOCAL BUILDING CODES

ENGINEERED ENDEAVORS, INC.

7610 Jenther Drive * Mentor, Ohio 44060
 Telephone: (440) 918-1101 * Telefax: (440) 918-1108