

Original



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

Peter W. van Wilgen  
Director - Real Estate Operations

June 7, 1999

RECEIVED

JUN 10 1999

CONNECTICUT  
SITING COUNCIL

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

**RE: Springwich Cellular Limited Partnership  
Newtown Cellular Communication Site**

Dear Chairman Gelston:

Springwich Cellular Limited Partnership (SCLP) plans to install cellular antennas and related equipment at the tower facility owned by the Town of Newtown located behind the Edmond Town Hall Board of Managers, at 45 Main Street, Newtown, Connecticut 06470.

Pursuant to Connecticut General Statute §16-50aa, SCLP hereby requests an order from the Connecticut Siting Council (Council) to approve the proposed shared use by the applicant of an existing facility located at 45 Main Street, Newtown, Connecticut 06470. SCLP proposes to remove the existing 40 foot guyed-lattice tower on the roof of a 40 foot building and construct a replacement guyed-lattice tower capable of supporting SCLP and the Town of Newtown antennas. The details of this proposal are described herein. The applicant requests that the Council find that the proposed shared use of the tower facility satisfied the criteria stated in CGS §16-50aa and that the Council issue an order approving the proposed shared use. In further compliance with R.C.S.A. Section 16-50aa, a copy of this letter is being sent to the first selectman of Newtown.

The addition of SCLP's antennas and equipment to the tower site does not constitute a substantial environmental affect since such additions do not cause a significant change or alteration in the physical and environmental characteristics of the site (see attached site plan). Rather, the planned changes to the existing non-facility tower falls squarely within those activities explicitly provided for in R.C.S.A. Section 16-50aa.

First, the height of the existing tower will be unaffected. Twelve antennas, ALP Model 11011N, will be mounted four per sector on a triangular platform to be attached to the tower. The center line of the antennas will be 78' AGL and the top of the antennas will be 80' high. The replacement tower will be constructed to support both SCLP and the Town of Newtown's antennas.

Second, the proposed addition will not extend the site boundaries. The proposed equipment will be located in a room inside the Town Hall which will be leased to SCLP (see attached site plan).

Third, the proposed addition will not increase the noise levels at the existing facility by six decibels or more.

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 ANSI standard. The following table summarizes the power densities at the site from the various sources on the tower (including proposed herein) in relation to the standard.

FREQUENCY	POWER DENSITY	HEIGHT	ANSI/IEEE STANDARD LIMITS (mW/cm2)	% OF MPE
SCLP 880-894	0.1267	80'	.5867	21.5944%
Newtown Police Dept.	0.0067	80'	.2000	3.3339%
Newtown Police Dept. 45.94	0.0075	76'	.2000	3.7290%
Newtown Highway Dept. 45.40	0.0087	71'	.2000	4.3302%
Newtown Fire Dept. 33.80	0.0105	65'	.2000	5.2650%
Newtown Fire Dept. 38.60	0.0153	55'	.2000	7.6631%
<b>TOTAL</b>	<b>N/A</b>		<b>N/A</b>	<b>45.92%</b>

As the table demonstrates, SCLP's proposed antennas would contribute 21.5944% of the ANSI standard for the cellular frequency range, bringing the site total to 45.92 % of the standard as calculated for a mixed frequency site.

Finally, SCLP will obtain the necessary municipal approvals and permits for the project once Connecticut Siting Council approval has been received, as Newtown requires proof of CSC approval before any permits will be issued.

SCLP submits that the proposed additions would not cause a significant change or alteration in the physical and environmental characteristics of the site and comply with R.C.S.A. Section 16-50aa. For the foregoing reasons, SCLP therefore requests a determination that the placement of the antennas and equipment on the existing non-facility tower site does not constitute a substantial environmental effect under R.C.S.A. Section 16-50aa, and that the requested tower sharing be approved.

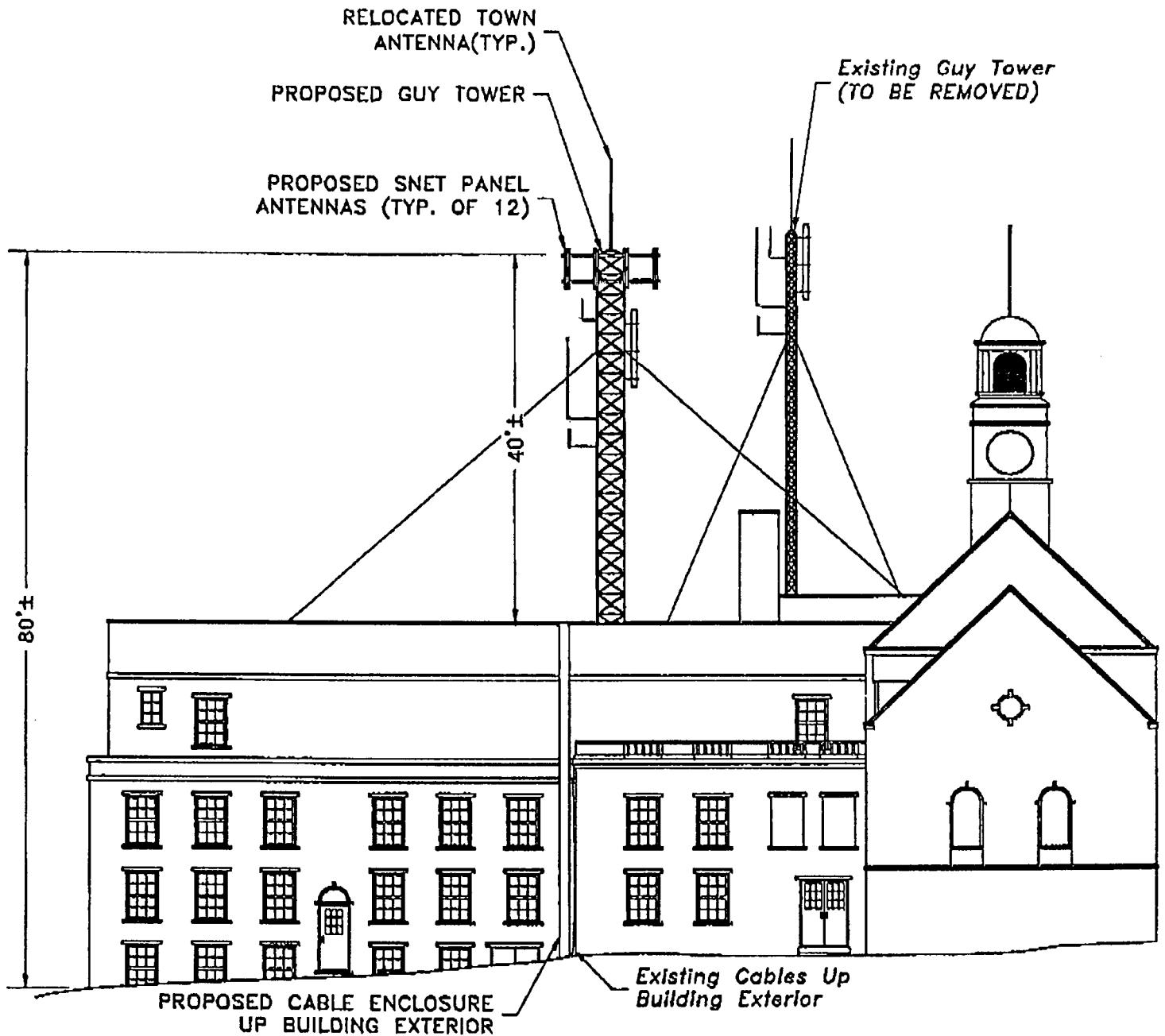
Thank you for your consideration.

Sincerely,





cc: Herbert Rosenthal, First Selectman  
Town of Newtown

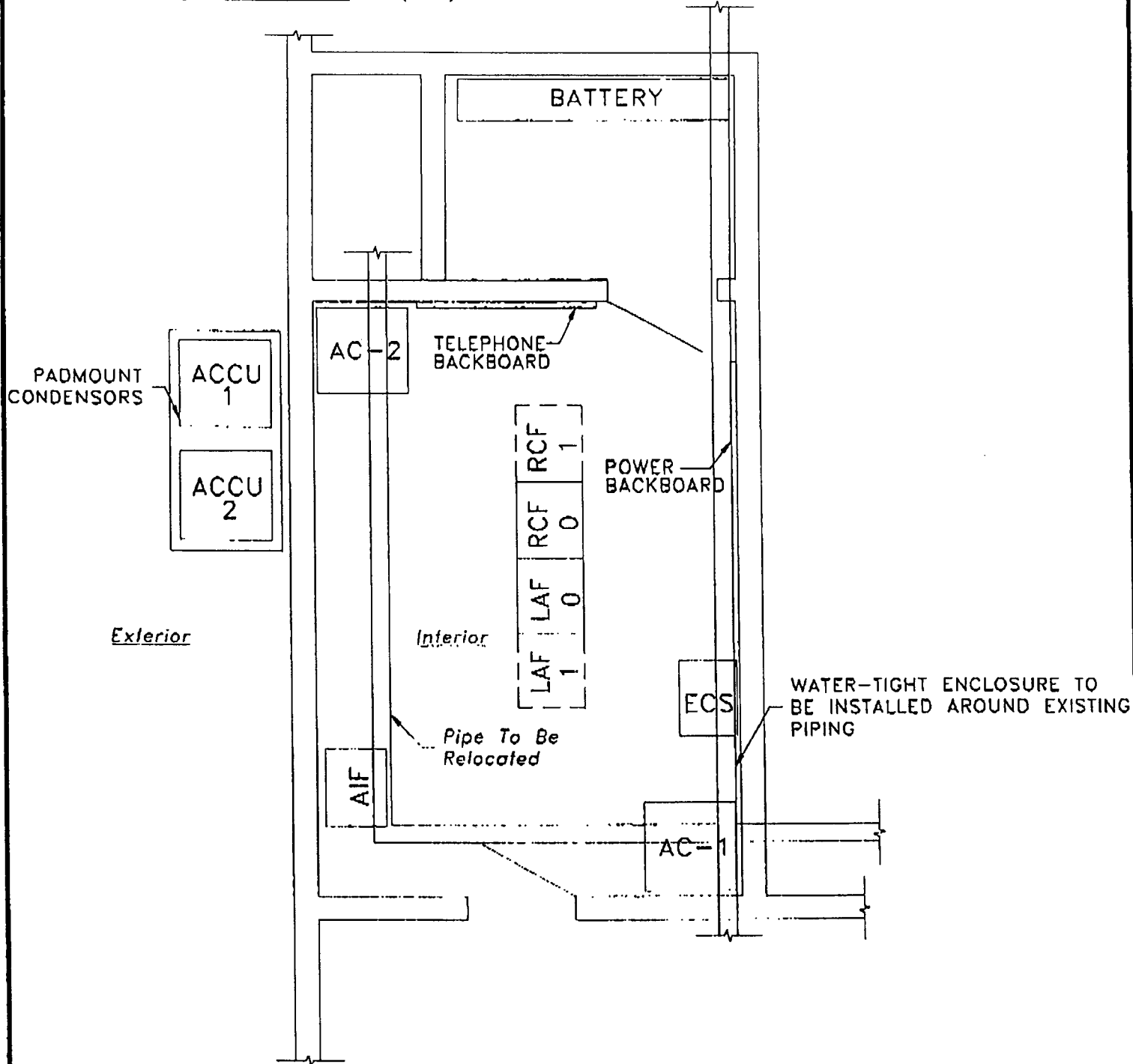
RAD. CENTER: 78± FT. (AGL)






# SOUTH ELEVATION

<b>SNET MOBILITY PRELIMINARY DESIGN EXHIBIT</b>	<b>NORTH</b>	<b>SITE NAME: NEWTOWN TOWN HALL</b>	<b>SNET #: 00000</b>
		<b>ADDRESS: MAIN ST. NEWTOWN, CT 06470</b>	<b>MGI #: 14777</b>
		<b>DRAWN: GMP   CHECKED: RGT   SCALE: N.T.S.</b>	<b>TASK #: 2101</b>
		THIS DRAWING AND ALL DATA CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY. NOT INTENDED FOR DESIGN OR CONSTRUCTION USE. ALL DATA SHOULD BE VERIFIED	<b>DATE: 5/7/99</b>
 <b>Maguire Group Inc.</b> Architects-Engineers-Planners One Court Street New Britain, Connecticut 06051			

RAD. CENTER: \_\_\_\_\_ FT. (AGL)



# BASEMENT EQUIPMENT ROOM

<b>SNET MOBILITY PRELIMINARY DESIGN EXHIBIT</b>	<b>NORTH</b> 	<b>SITE NAME:</b> NEWTOWN TOWN HALL	<b>SNET #:</b> 00000
		<b>ADDRESS:</b> MAIN ST. NEWTOWN, CT 06470	<b>MGI #:</b> 14777
<b>DRAWN:</b> GMP <b>CHECKED:</b> RGT <b>SCALE:</b> 1/4" = 1'-0"		<b>TASK #:</b> 2101	
 <b>Maguire Group Inc.</b> Architects Engineers Planners One Court Street New Britain, Connecticut 06051		<b>DATE:</b> 1/7/99 	
THIS DRAWING AND ALL DATA CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY. NOT INTENDED FOR DESIGN OR CONSTRUCTION USE. ALL DATA SHOULD BE VERIFIED			



**SNET Wireless, Inc.**  
500 Enterprise Drive  
Rocky Hill, Connecticut 06067-3900  
Phone: (860) 513-7730  
Fax: (860) 513-7614

**Peter W. van Wilgen**  
*Director - Real Estate Operations*

June 7, 1999

Herbert Rosenthal, First Selectman  
Town of Newtown  
45 Main Street  
Newtown, CT 06470

Dear Mr. Rosenthal:

**RE: Springwich Cellular Limited Partnership  
Newtown Cellular Site**

Springwich Cellular Limited Partnership (SCLP) plans to install cellular antennas and a related equipment at the tower facility owned by the Town of Newtown located behind the Edmond Town Hall Board Of Managers at 45 Main Street, Newtown, Connecticut. As required by Section 16-50j-73 of the Regulations of Connecticut State Agencies (R.C.S.A.), please accept this letter and the attached letter to the Connecticut Siting Council dated June 7, 1998.

The enclosed letter fully describes SCLP's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7730 or Mr. Joel Rinebold, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

A handwritten signature in dark ink, appearing to read "P. van Wilgen". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Enclosure





Post-it® Fax Note 7671

Date	6/21	# of pages	1
To	Bob ERLING		
From	RAY BELL		
Co./Dept	SITING COUNCIL		
Co.	SNET		
Phone #	860.827.2951	Phone #	860.513.7199
Fax #	860.827.2950	Fax #	860.513.7190

**Raymond Bell**  
Senior Specialist Personal  
Communications Engineer

**Springwich Cellular  
Limited Partnership**

500 Enterprise Drive  
Rocky Hill, CT 06067-3900  
Phone 860.513.7699  
Fax: 860.513.7190  
Pager: 860.473.0473  
Email:  
raymond.a.bell@snet.com

June 21, 1999

Bob Erling  
Rf Administrator  
CT Siting Council  
10 Franklin Square  
New Britain, CT 06051

**RECEIVED**

JUN 21 1999

CONNECTICUT  
SITING COUNCIL

Dear Bob:

The table below shows the information you requested for the proposed Newtown Town Hall cell site.

COMPANY	FREQ. RANGE (MHZ)	POWER / CHANNEL (watt)	NUMBER OF CHANNELS	HEIGHT (FEET)	ANSI/IEEE STANDARD S (mW/cm <sup>2</sup> )	POWER DENSITY Y (mW/cm <sup>2</sup> )	PERCENT OF MPE (%)
SNET Wireless.	880 - 894	100	19	80'	0.5867		
Newtown Pol. Dept.	45.94	100	1	80'	0.2000		
Newtown Pol. Dept.	45.94	100	1	76'	0.2000		
Newtown Hgwy. Dept.	45.40	100	1	71'	0.2000		
Newtown Fire. Dept.	33.80	100	1	65'	0.2000		
Newtown Fire. Dept.	38.60	100	1	55'	0.2000		
						<b>Total Percent of MPE</b>	

- \*The height used in the calculation is Antenna Center Line (CL) minus 6.56 feet.

Please contact me at the above telephone number, if you have any questions or comments.

Sincerely,

Copy: Donald Richardson, Director of Engineering



**RECEIVED**

JUN 22 1999

CONNECTICUT  
SITING COUNCIL

*paid. arista @ po. state. ct. us*

*6/22/99*

Store - CT03XC214  
Worst Case Power Density Analysis of Sprint PCS Antennas @ Base of Tower. Assumes Max ERP & No Antenna Pattern Adjustment

1962.5	11	122	1342	245	0	0.008049	1	0.8049%
1962.5	11	122	1342	245	50	0.007727	1	0.7727%
1962.5	11	122	1342	245	100	0.006899	1	0.6899%
1962.5	11	122	1342	245	150	0.005854	1	0.5854%
1962.5	11	122	1342	245	200	0.004830	1	0.4830%
1962.5	11	122	1342	245	250	0.003943	1	0.3943%
1962.5	11	122	1342	245	300	0.003220	1	0.3220%
1962.5	11	122	1342	245	350	0.002647	1	0.2647%
1962.5	11	122	1342	245	400	0.002196	1	0.2196%
1962.5	11	122	1342	245	450	0.001840	1	0.1840%
1962.5	11	122	1342	245	500	0.001558	1	0.1558%

\*Requirements set forth in OET Bulletin 65. Based on NCRP Report No. 86 and ANS/IEEE C95.1-1992