



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

September 29, 1997

Stephen G. Kotfila
Site Development Manager
Sprint PCS
9 Barnes Industrial Road South
Wallingford, CT 06492

Re: Sprint PCS notice of intent to modify an existing telecommunications facility located at 135 New Road in Madison, Connecticut.

Dear Mr. Kotfila:

At a public meeting held on September 24, 1997, the Connecticut Siting Council (Council) acknowledged your notice to modify an existing telecommunications facility in Madison, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modification is to be implemented as specified in your notice dated September 3, 1997. The modification is 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 change has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used and proposed for use 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 Science 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/PMA/ss

c: Honorable Thomas R. Rylander, First Selectman, Town of Madison
Elias A. Alexiades, Hurwitz & Sagarin



Sprint PCS™

Engineering & Operations
9 Barnes Industrial Road
Wallingford, Connecticut 06492

Telephone: 203 294 5600
Fax: 203 294 5647

VIA FACSIMILE AND U.S. MAIL

September 19, 1997

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, CT 06051

RECEIVED

SEP 23 1997

CONNECTICUT
SITING COUNCIL

RE: Notice of intent to make exempt changes to an existing tower facility
The Connecticut Light & Power Company - Madison Site #023

Dear Chairman Gelston:

Sprint Spectrum, L. P. (Sprint PCS), duly authorized agent of the Connecticut Light & Power Company (CL&P), submitted a Notice of Intent to Modify and Make Exempt Changes ("Exempt Modification") to the existing CL&P telecommunications facility located at 135 New Road in Madison, Connecticut dated September 3, 1997 and submitted on September 15, 1997.

The Exempt Modification site plan includes the utility routing for power and telephone lines which were reviewed and approved by both CL&P and Southern New England Telephone (SNET). We were informed by CL&P on Wednesday, September 17, 1997 that the proposed utility connections are insufficient to support their needs and the proposed Sprint PCS facilities. Sprint PCS met with SNET officials at the site today and are awaiting as-built drawings from CL&P to finalize an alternative plan for utility routing. The site plan will be revised when these locations are finalized. We anticipate that this issue will be resolved by September 26, 1997.

The site plan revisions will not impact our ability to meet all the necessary criteria pursuant to the Regulations of the Connecticut State Agencies (RSA) § 16-50j-72 (b) (2) as a modification that will not have a substantial adverse environmental effect. The proposed modification will not increase the tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, nor add radiofrequency electromagnetic radiation to the power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to § 22a-162 of the Connecticut General Statutes.

We respectfully request that the Connecticut Siting Council approve our request for notice of intent to make exempt changes to an existing tower facility conditioned upon administrative review of final utility routing, at your scheduled meeting on September 24, 1997.

Thank you in advance for your cooperation.

Sincerely,


Stephen G. Kotfila
Site Development Manager

copy to : Thomas Rylander, First Selectman, Town of Madison
Elias A. Alexiades, of Harris, Beach & Wilcox
Joel M. Rinebold, Executive Director, Connecticut Siting Council



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

September 18, 1997

Honorable Thomas R. Rylander
First Selectman
Town of Madison
Madison Town Campus, 8 Campus Drive
Madison, CT 06443

RE: Sprint PCS notice of intent to modify an existing telecommunications facility located at 135 New Road in Madison, Connecticut.

Dear Mr. Rylander:

On September 16, 1997, the Connecticut Siting Council (Council) received a request from Sprint PCS to modify an existing telecommunications facility located at 135 New Road in Madison, Connecticut, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for Wednesday, September 24, 1997, at 2:00 p.m. in Hearing Room Two, 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/ss

Enclosure: Notice of Intent



Sprint PCS™

Engineering & Operations
9 Barnes Industrial Road South
Wallingford, Connecticut 06492

Telephone: 203 294 5600
Fax: 203 294 5647

September 3, 1997

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, CT 06051

RECEIVED

SEP 16 1997

CONNECTICUT
SITING COUNCIL

RE: Notice of intent to make exempt changes to an existing tower facility
The Connecticut Light & Power Company - Madison Site #023

Dear Chairman Gelston:

Sprint Spectrum, L. P. (Sprint PCS), duly authorized agent of the Connecticut Light & Power Company (CL&P), hereby submits a Notice of Intent to Modify and Make Exempt Changes to the existing CL&P telecommunications facility located at 135' New Road in Madison, Connecticut.

Sprint PCS proposes to add a nine-panel antenna array at the 125' level of the existing 180' CL&P telecommunications tower. Sprint PCS will locate base station equipment on the ground adjacent to the tower.

This proposal meets all the necessary criteria pursuant to the Regulations of the Connecticut State Agencies (RSA) § 16-50j-72 (b) (2) as a modification that will not have a substantial adverse environmental effect. The proposed modification will not increase the tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, nor add radiofrequency electromagnetic radiation to the power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to § 22a-162 of the Connecticut General Statutes.

The attached Notice and Exhibits specify the particulars of the proposed modification, including a location map, a site plan and elevation, a power density analysis, and a Site Permitting Authorization from CL&P. Please let me know if you require any additional information.

Please record me as the contact for Sprint PCS in this matter and in all correspondence from the Council, including technical questions. Please send copies of all notices and correspondence to Elias A. Alexiades, of Hurwitz & Sagarin P.C., counsel for Sprint PCS, at 147 North Broad Street, Post Office Box 112, Milford, CT 06460, 203/877-8000.

Thank you in advance for your cooperation.

Sincerely,


Stephen G. Kotrila

Site Development Manager

cc: Thomas Rylander, First Selectman, Town of Madison

Notice of Intent to Make Exempt Changes
Re: Northeast Utilities Service Company New Road, Madison Site

Pursuant to §16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies (RSA), Sprint Spectrum L.P. (Sprint PCS) hereby notifies the Connecticut Siting Council that it intends to make changes to a telecommunications by adding PCS antennas to the existing tower. Sprint Spectrum, L. P. (Sprint PCS) will own, operate and maintain these additional antennas and the additional associated equipment located at the base of the tower.

Background

Sprint PCS proposes the modifications to the self-supporting 180' guyed tower facility located at the CL&P Service Center on New Road in Madison, Connecticut. It is currently owned and operated by CL&P to provide services to the Madison area.

Sprint PCS proposes to install nine (9) Decibel DB980H90(E)-M tower mounted antennas, each measuring approximately 60" x 6.1" x 2.8". Antennas will be mounted in three sectorized arrays of three (3) antennas each, separated by 120°. Sprint PCS will mount antenna centerlines at 125' above ground level.

Sprint PCS is a telecommunications venture created between Tele-Communications, Inc. (TCI), Cox Communications, Comcast Corporation and Sprint Corporate (Sprint Spectrum, L. P.) to provide innovative, easy-to-use, nationally branded wireless communication services known as Personal Communication Services ("PCS"). In March 1995, Sprint Spectrum, L. P. acquired wireless licenses from the Federal Communications Commission (FCC) in 32 major U.S. trading areas, including Connecticut. Sprint PCS has the goal to become the low-cost provider in the marketplace. Approval of the installation of the proposed PCS equipment will allow Sprint PCS to further fulfill its obligations under its FCC license to provide PCS service throughout the State of Connecticut.

Discussion

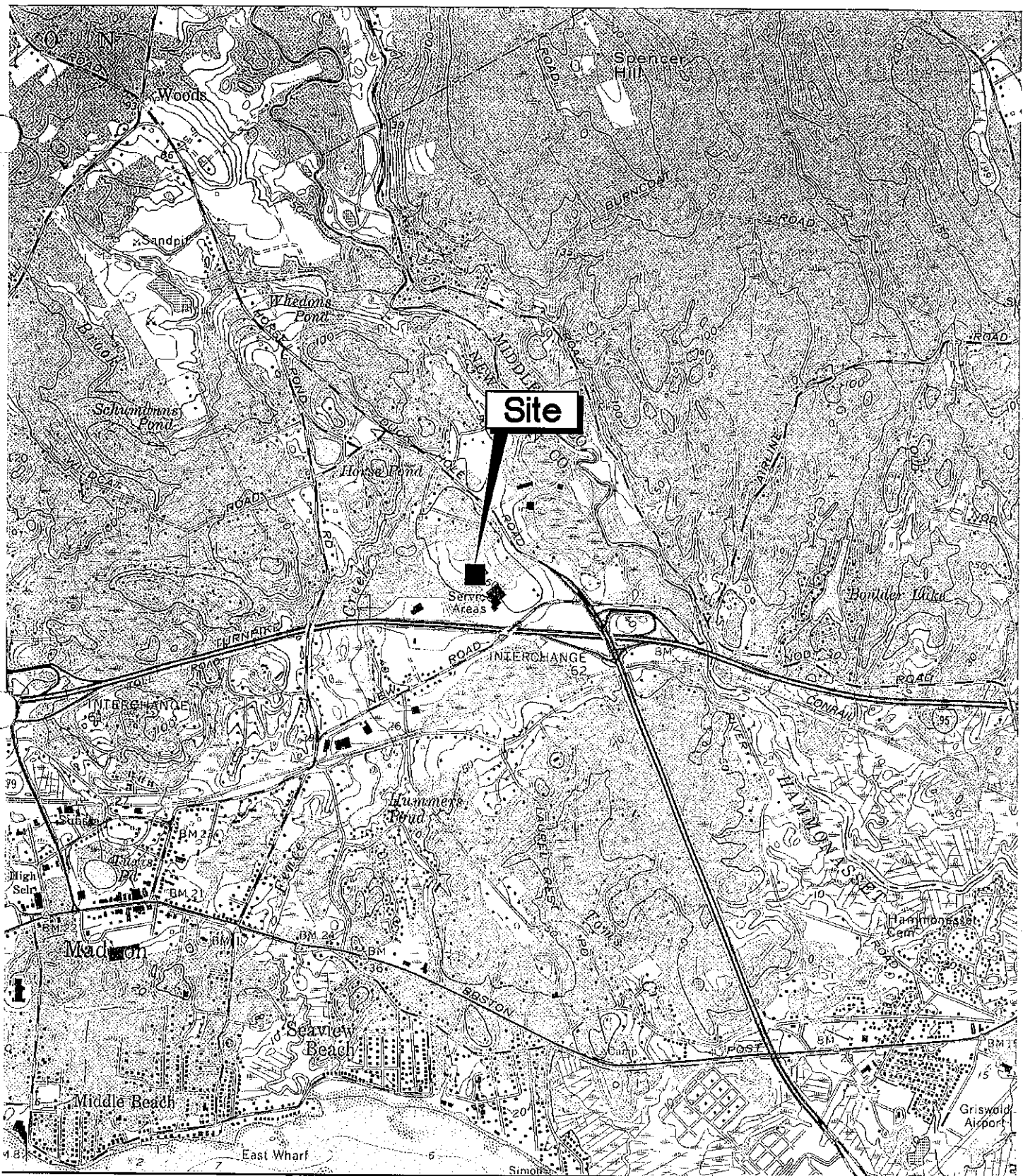
The proposal meets all the necessary criteria pursuant to RSA § 16-50j-72 (b) (2) as a modification that will not have a substantial adverse environmental effect.

1. The proposed modification will not increase the tower height. All new antennas will be mounted below the top of the existing tower. See elevation attached hereto as Exhibit B.
2. The proposed modification will not extend the boundaries of the tower site. Sprint PCS will locate all additional equipment within existing boundaries of the tower site as reflected in the site plan attached hereto as Exhibit B.
3. The proposed modification, including Sprint PCS' BTS equipment located adjacent to the tower, will not increase noise levels at the tower site boundary by six decibels.
4. The proposed modification, including operation of the additional antennas, will not increase the total radiofrequency electromagnetic radiation to the power density measured at the tower site to or above the standard the standard adopted by the State Department of Environmental Protection pursuant to § 22a-162 of the Connecticut General Statutes. As attached hereto as Exhibit C, the power density analysis calculates these levels at the tower base, which represents the maximum exposure for the operation of this facility (i.e., calculated at the closest publicly accessible point within the facility broadcast field). The calculations adhere to the methodology prescribed by the FCC Office of Science and Technology Bulletin No. 65 ("OST Bulletin 65").

Conclusion

The proposed modifications to the existing telecommunications facility meet all criteria pursuant to RSA § 16-50j-72 (b) (2) and, therefore, Sprint PCS respectfully requests that the Council acknowledge this proposal's exemption as a modification that will not have a substantial adverse environmental effect.

Exhibit A



Source: U.S.G.S. Quadrangle Clinton, CT (1984)

Vanasse Hangen Brustlin, Inc.

**Locus Plan
Northeast Utilities
New Road
Madison, Connecticut
Sprint Site CT03XC023**



Quadrangle Location



0 1000 2000 FEET

Exhibit B

Exhibit C

Power Density Analysis

Site Name: Madison Northeast Utilities Tower

Tower Height: 180 Feet

Operating Frequency	Number of Trans.	ERP Per Trans.	Total Effective Radiated Power	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
(MHz)		(watts)	(watts)	(feet)	(mW/cm ²)	(mW/cm ²)	(%)
952.37	1	201.88	201.88	180	0.0022	0.635	0.35%
37.48	1	120	120	180	0.0013	0.200	0.67%
37.60	1	148	148	180	0.0016	0.200	0.82%
48.34	1	120	120	180	0.0013	0.200	0.67%
44.14	1	100	100	180	0.0011	0.200	0.55%
48.16	1	120	120	180	0.0013	0.200	0.67%
6995.00	1	870.96	870.96	175	0.0102	1.000	1.02%
154.46	1	990	990	150	0.0158	0.200	7.91%
48.00	1	120	120	135	0.0024	0.200	1.18%
152.48	1	492	492	110	0.0146	0.200	7.31%
158.70	1	340	340	110	0.0101	0.200	5.05%
454.05	1	213	213	110	0.0063	0.303	2.09%
929.4125	3	2183	6549	97	0.2503	0.620	40.37%
929.4975							
929.9375							
48.00	1	120	120	45	0.0213	0.200	10.66%

Total Percentage of Maximum Permissible Exposure Before Sprint

79.33%

Sprint's Contribution:

1957.50	11	122	1342	125	0.0309	1.000	3.09%
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Total Percentage of Maximum Permissible Exposure After Sprint

82.42%

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

Exhibit D



**Northeast
Utilities System**

107 Selden Street, Berlin, CT 06037

Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270
(203) 665-5000

September 8, 1997

Mr. Steven Paisner
Director of Engineering & Operations
Sprint Spectrum L.P.
9 Barnes Industrial Road
Wallingford, CT 06492

Re: Site Permitting Authorization
Madison Telecommunication Site

Dear Mr. Paisner:

Authorization is hereby given to Sprint Spectrum L.P., its employees and its duly authorized agents and independent contractors (hereinafter collectively referred to as "Sprint Spectrum"), to apply for any and all local municipal, state and federal licenses, permits and approvals, including but not limited to Connecticut Siting Council, building permits, zoning variances, zoning special exceptions, site plan and subdivision approvals, driveway, wetlands and terrain alteration permits, which are or may be necessary or required for Sprint Spectrum to construct, operate and maintain a wireless communications system (PCS System), and/or antenna site on the following property owned by The Connecticut Light & Power Company (CL&P):

135 New Road
Madison, Connecticut

The foregoing authorization is given subject to the following conditions:

1. This authorization shall be nonexclusive. Nothing herein shall prevent or restrict CL&P from authorizing any other person or entity to apply for any similar licenses, permits or approvals to construct, operate and maintain any other communication system or facility of any type on the property at any time.
2. This authorization shall not obligate CL&P to pay for or reimburse any costs or expenses or to provide any assistance of any kind in connection with any applications, or bind or obligate CL&P to agree or be responsible for any on-site or off-site improvements, development restrictions, impact fees or assessments, capital improvement charges, bonds or other security, or any other fee, assessment, charge or expense imposed or required as a condition of any license, permit or approval. Sprint Spectrum shall be solely and fully responsible for all fees, charges costs and expenses of any kind in connection with any applications. CL&P agrees to reasonably cooperate with Sprint Spectrum in signing such applications or other similar documents as may be required in order for Sprint Spectrum to apply for any license, permit or approval.
3. This authorization shall not be deemed or construed to grant or transfer to Sprint Spectrum any interest in the property, whatsoever, and shall not in any respect obligate or require CL&P to sell, lease or license the Property to Sprint Spectrum or otherwise allow Sprint Spectrum to use or occupy the property for any purpose, regardless of whether any licenses, permits and approvals applied for by Sprint Spectrum for the property are granted. Sprint Spectrum understands and acknowledges that any and all applications filed by Sprint Spectrum for the property at Sprint Spectrum's sole risk and without any enforceable expectation that the property will be made available for Sprint Spectrum's use.

4. Sprint Spectrum shall be required to supply to CL&P, free of charge and contemporaneous with Sprint Spectrum's filing of same, a complete copy of any and all applications, plans, reports and other public filings made by Sprint Spectrum with any local, municipal, state or federal governmental or regulatory officer, agency board, bureau, commission or other person or body for any licenses, permits or approvals for the property, and to keep CL&P fully informed on a regular basis of the status of Sprint Spectrum's applications.
5. This authorization shall automatically expire six (6) months after the date of this letter, unless extended in writing by mutual agreement of CL&P and Sprint Spectrum.

Very truly yours,



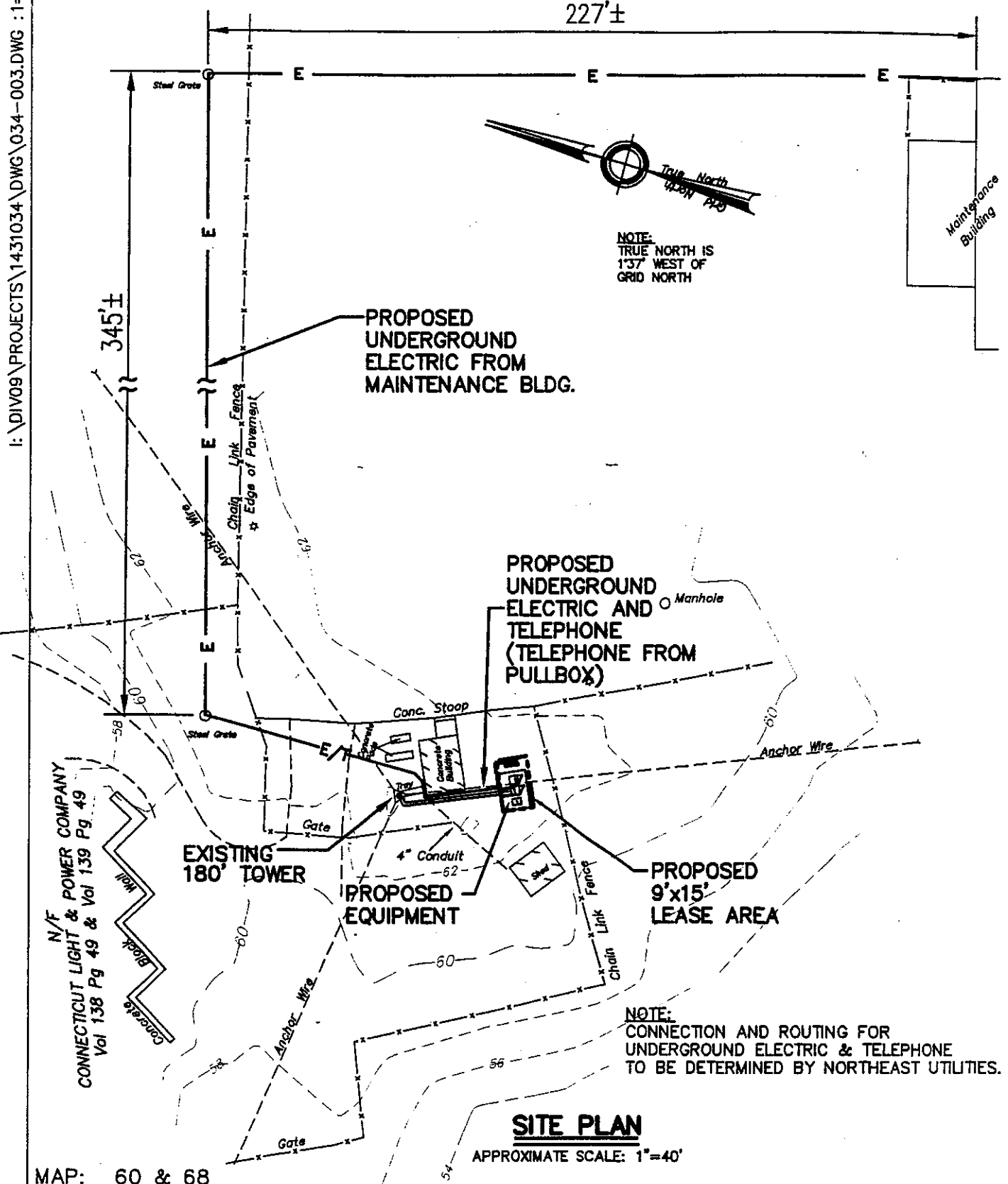
Salvatore Giuliano, Manager
Real Estate and Land Planning

LMC/cs

AGREED TO on behalf of Sprint Spectrum L.P.



Duly Authorized



MAP: 60 & 68
 PARCEL: 8
 OWNERS NAME: CL & P CO.
 COUNTY: NEW HAVEN

BTS/SITE NO. CT03XC023

PLOT DATE: 6/16/97

	LEASE EXHIBIT ELEV			Dwg. No. R-1	
	SITE ADDRESS: MADISON-CL & P 135 NEW ROAD MADISON, CT			SITE ID NO. YNE023R1	
	REV. DATE DESCRIPTION			Scale: AS NOTED Date: 6/16/97	
	File No. 1431.034-003			Dwg. 1 OF 1	