



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

December 23, 2002

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

Thomas J. Regan, Esq.
Brown Rudnick Berlack Israels LLP
185 Asylum Street, CityPlace I
Hartford, CT 06103-3402

RE: **TS-SPRINT-043-021127** - Sprint Spectrum, L.P. d/b/a Sprint PCS request for an order to approve tower sharing at an existing telecommunications facility located at Prestige Park Road, East Hartford, Connecticut.

Dear Attorney Regan:

At a public meeting held December 19, 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 with the conditions: 1) that prior to the installation of the proposed antennas, the monopole tower be reinforced as shown in engineering drawings prepared by SpectraSite and that a professional engineer certify to the Council the successful completion of these reinforcements, and 2) that the structural capacity of this tower be re-analyzed should the installation of any additional antennas be proposed. 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 November 26, 2002.

Thank you for your attention and cooperation.

Very truly yours,

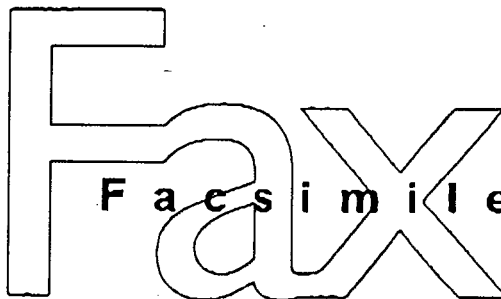
Mortimer A. Gelston
Chairman

MAG/laf

- c: Honorable Timothy D. Larson, Mayor, Town of East Hartford
Michael J. Dayton, Town Planner, Town of East Hartford
Maureen Woodstrom, Spectrasite Communications
Michele G. Briggs, Southwestern Bell Mobile Systems

BR BROWN
BI RUDNICK
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CityPlace I
Hartford, Connecticut 06103
860.509.6500
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Our fax number is 860/509-6501

DATE December 3, 2002

THIS TRANSMISSION CONSISTS OF THIS COVER SHEET AND 2 PAGE(S)

ORIGINAL DOCUMENT TO FOLLOW YES NO

If you do not receive all pages, please call Offices Services at 860/509-6500

DELIVER TO	COMPANY/FIRM	FAX NUMBER	PHONE NUMBER
DAVID MARTIN	Connecticut Siting Council Ten Franklin Square New Britain, CT 06051	860/827-2950	860/827-2935

FROM THOMAS J. REGAN

DIRECT DIAL 860/509-6522

E-MAIL: tregan@brbilaw.com

C/M/A # 80563/3131/825

RE: SPRINT TOWER SHARING PROPOSALS FOR EAST HARTFORD & CLINTON

MESSAGE

As you requested, attached you will find copies of my letters to the Mayor of East Hartford and First Selectman of Clinton in connection with Sprint's Tower Sharing Proposals

CONFIDENTIALITY NOTICE

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120 West 45th Street
New York, NY 10036
212.704.0100
fax 212.704.0196

121 South Main Street
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401.276.2800
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BR BROWN
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ISRAELS LLP

THOMAS J. REGAN
Direct Dial: (860) 509-6522
tregan@brbilaw.com

December 3, 2002

The Honorable Timothy D. Larson
Mayor
Town of East Hartford
Town Hall
740 Main Street
East Hartford, CT 06108-3114

RE: Tower Sharing Proposal of Sprint Spectrum, L.P. d/b/a Sprint PCS for the
Approval of the Shared Use of the Existing SpectraSite Tower Located on
Prestige Park Road in East Hartford, Connecticut


Dear Mayor Larson:

I enclose herewith a copy of the Tower Sharing Proposal which has been filed with the
Connecticut Siting Council in connection with the above-referenced matter.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

BROWN RUDNICK BERLACK ISRAELS LLP

By: 
Thomas J. Regan

TJR/bh
Enclosure

cc: Connecticut Siting Council
#40166921 v1 - regan.tj - wwwzt011.doc - 80563/3131

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BR BROWN
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ISRAELS LLP

THOMAS J. REGAN
Direct Dial: (860) 509-6522
tregan@brbilaw.com

December 3, 2002

James M. McCusker, Jr., First Selectman
Town of Clinton
Town Hall
54 East Main Street
Clinton, CT 06413

RE: Tower Sharing Proposal of Sprint Spectrum, L.P. d/b/a Sprint PCS for the
Approval of the Shared Use of the Existing SBA Network Services Inc. Tower
Located 46 Meadow Road in Clinton, Connecticut

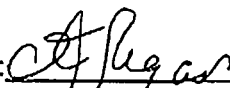
Dear Mr. McCusker:

I enclose herewith a copy of the Tower Sharing Proposal which has been filed with the
Connecticut Siting Council in connection with the above-referenced matter.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

BROWN RUDNICK BERLACK ISRAELS LLP

By: 
Thomas J. Regan

TJR/bh
Enclosure

cc: Connecticut Siting Council

#40166926 v1 - reganlj - wwzy011.doc - 80563/3128

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fax 860.509.6501
www.brownrudnick.com

Boston | Dublin | London | New York | Providence

Via Overnight Mail

November 26, 2002

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

RECEIVED

NOV 27 2002

CONNECTICUT
SITING COUNCIL

RE: Tower Sharing Application

Dear Chairman Gelston:

Enclosed please find an original and twenty-five copies of Sprint Spectrum L.P.'s Tower Sharing Proposal to co-locate on the SpectraSite tower on Prestige Park Road in East Hartford, Connecticut. I also enclose herewith three (3) full size copies of the site plans to be bulk filed with this Tower Sharing Application.

Also enclosed is a check in the amount of \$500.00 as the filing fee.

Please do not hesitate to contact me directly should you have any questions.

Very truly yours,

BROWN RUDNICK BERLACK ISRAELS LLP

By: _____


Thomas J. Regan

TJR/bh
Enclosures

#40166764 v11 - regantj - wwwg01!.doc - 80563/3131

CONNECTICUT SITING COUNCIL

RECEIVED

NOV 27 2002

CONNECTICUT
SITING COUNCIL

In re:

Request of Sprint Spectrum, L.P. d/b/a Sprint :
 PCS for the Approval of the Shared Use of the :
 Existing SpectraSite Tower Located on Prestige :
 Park Road in East Hartford, Connecticut. : November 26, 2002

TOWER SHARING PROPOSAL

Sprint Spectrum, L.P. d/b/a Sprint PCS ("Sprint") proposes herein to share an existing monopole (the "Tower") and associated compound located on Prestige Park Road in East Hartford, Connecticut (collectively, the "Facility"). Pursuant to Connecticut General Statutes § 16-50aa, Sprint requests a finding from the Connecticut Siting Council (the "Council") that the shared use of this Facility is technically, legally, environmentally and economically feasible, will meet public safety concerns, will avoid the unnecessary proliferation of towers and is in the public interest. Sprint further requests an order approving the proposed shared use of this Facility.

The purpose of this request is to use an existing facility to meet Sprint's coverage needs in the East Hartford area and thereby avoid the construction of an additional tower in East Hartford.

A. Existing Facility

The existing Facility is owned by SpectraSite Communications, Inc. The Facility consists of a one hundred fifty-foot (150') monopole. Cingular, located at one hundred fifty feet, is currently the only carrier on the Tower (see site plan attached as Exhibit A).

B. Proposed Project

Sprint proposes the installation of six antennas mounted on a triangular platform with two antennas per sector and a centerline at one hundred thirty-eight feet. The base station equipment associated with the antennas will be located on the northwest side of the monopole within Sprint's triangular lease area. Sprint will install a concrete pad and a two-story equipment structure. The battery cabinet and the power cabinet will be located on the bottom of the steel platform the radio cabinet will be located on the top of the elevated platform. (Exhibit A).

C. Technical Feasibility

Consistent with the requirements of the Statute, it is technically feasible for Sprint to co-locate on this Tower. The structural capability of the Tower is described in a report prepared by SpectraSite Communications, Inc. dated October 2, 2002, which is provided as Exhibit B.

D. Legal / Economic Feasibility

Sprint is a wireless telecommunications provider licensed by the Federal Communications Commission ("FCC") in 32 major United States trading areas, including Connecticut. Sprint has entered into a lease with SpectraSite for the purpose of locating Sprint's antennas and associated equipment at the Facility to provide wireless telecommunications service to this area of East Hartford, Connecticut.

The Council has the authority, pursuant to the statute, to issue an order approving the shared use of the Facility. Therefore, consistent with the Statute, the proposal is both economically and legally feasible.

E. Environmental Feasibility

Pursuant to the Statute, the proposal will be environmentally feasible for the following reasons:

- The overall impact on the Town of East Hartford will be decreased with the sharing of a single tower versus the proliferation of many towers.
- The proposal will not increase the height of the Tower.
- The proposal will have an insignificant visual impact with the addition of two panel antennas per sector.
- There will be no increased impact on any wetlands or water resources.
- There will be no increased impact on air quality because no air pollutants will be generated during the normal operation of the Facility.
- There will only be a brief, slight increase in noise pollution during the attachment of the antennas.
- During construction, the proposed project will generate a small amount of traffic as workers arrive and depart and materials are delivered. Upon completion, traffic will be limited to an average of one monthly maintenance and inspection visit.
- The total frequency electromagnetic radiation of the power density measured at the site will not be at or above the standard adopted by the FCC. Attached as is a worst case power density analysis for the operation of Sprint's antennas at the Facility as measured

at the base of the Tower and a cumulative analysis for the Facility with Sprint's and Cingular's antennas. The cumulative power density is 12.2552 % of the maximum permissible exposure based on the NCRP standard. These calculations show that the Facility will be well below the FCC mandated limits in all locations around the existing Tower, even with extremely conservative assumptions.

In addition, Sprint researched whether this Facility will be compliant with the National Environmental Policy Act ("NEPA"). Sprint found that the Facility does not fall under any of the "listed" categories of Section 1.1307 of NEPA. As part of the NEPA review, Sprint also contacted the Connecticut Historical Commission ("CHC") to ascertain the impact of the Facility on Connecticut's cultural heritage. The CHC found that "the proposed undertaking will have no effect on historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places" (emphasis in original). The NEPA review and letter from the CHC are attached as Exhibit D.

F. Public Safety Concerns / Benefits

In accordance with the Statute, there are no known public safety concerns associated with this proposal. Moreover, Sprint will be enhancing the communication needs of the citizens of the community.

Sprint's has identified significant gaps in service coverage along heavily trafficked roadways in East Hartford and Manchester, including I-291, Rt. 44, Tolland Turnpike and the surrounding roads. In addition, given the density of businesses and residences and the high road traffic volume in the affected area, the network is experiencing a shortfall in capacity in this area.

The gaps in coverage and shortfall in capacity were identified via customer feedback, baseline drive data of the existing network collected along these major routes in East Hartford and Manchester, as well as a review of call data collected at the network switching station from Sprint's existing sites located in the vicinity.

This Facility will improve the coverage gap in the eastern portion of East Hartford and the western portion of Manchester. Specifically, the proposed site will provide coverage of approximately one and-one-half mile along Interstate 291 and one-and-one-quarter mile along Interstate I-84. It will also provide coverage along heavily trafficked US routes, in particular, three miles on US Route 44 and one mile along US Route 5. In addition it will provide service for three miles along Tolland Turnpike, one mile along School Street, one and one half miles along Long Hill Street, and two miles along Scotland Road / Forbes Street.

Conclusion

For the reasons stated above, the attachment of Sprint's antennas to this Tower would meet all the requirements set forth in the statutes. This proposal is technically, legally, environmentally and economically feasible and meets all public safety concerns. Therefore, Sprint respectfully requests that the Council approve this request for the shared use of the existing telecommunications facility located on Prestige Park Road in East Hartford, Connecticut.

Sprint Spectrum, L.P.
d/b/a Sprint PCS

By: Thomas J. Regan / cmm
Thomas J. Regan, Esq.
Brown Rudnick Berlack Israels LLP
185 Asylum Street, CityPlace I
Hartford, CT 06103-3402
Phone - (860) 509-6522
Fax - (860) 509-6501

Certificate of Service

This is to certify that on this 26th day of November, 2002, the foregoing Tower Sharing

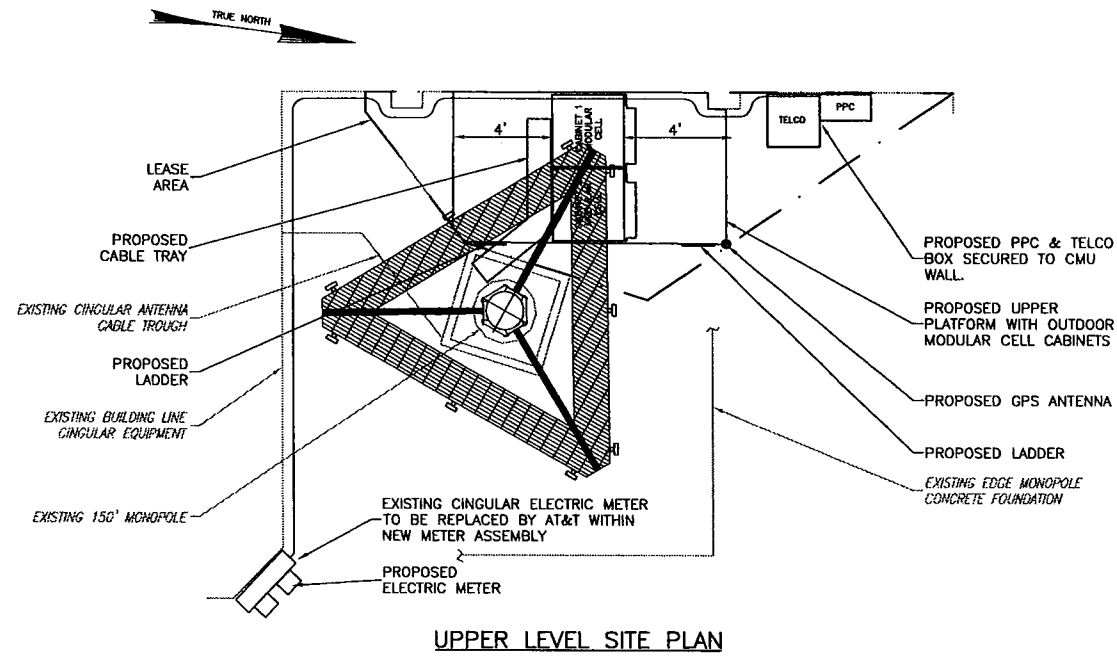
Proposal was sent, via first class mail, to the following:

SpectraSite Communications, Inc.
100 Regency Forest Drive
Suite 400
Cary, NC 27511

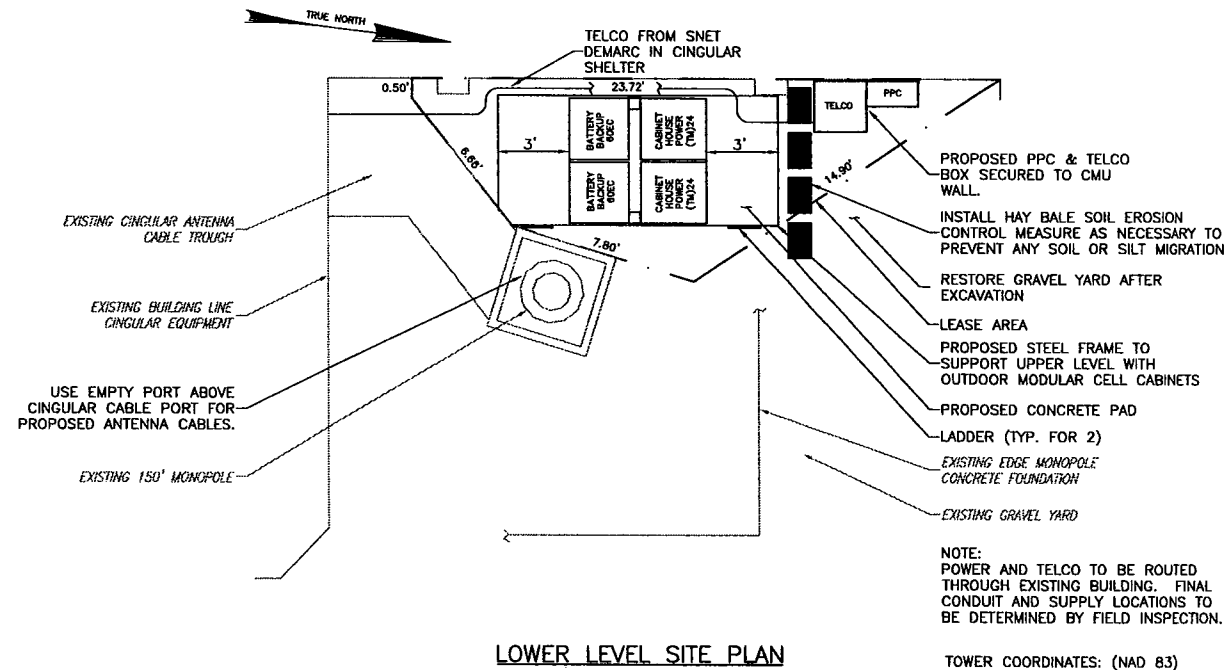
Freemont Management, LLC
65 LaSalle Road
Suite 202
West Hartford, CT 06107

By: Thomas J. Regan / cms
Thomas J. Regan, Esq.

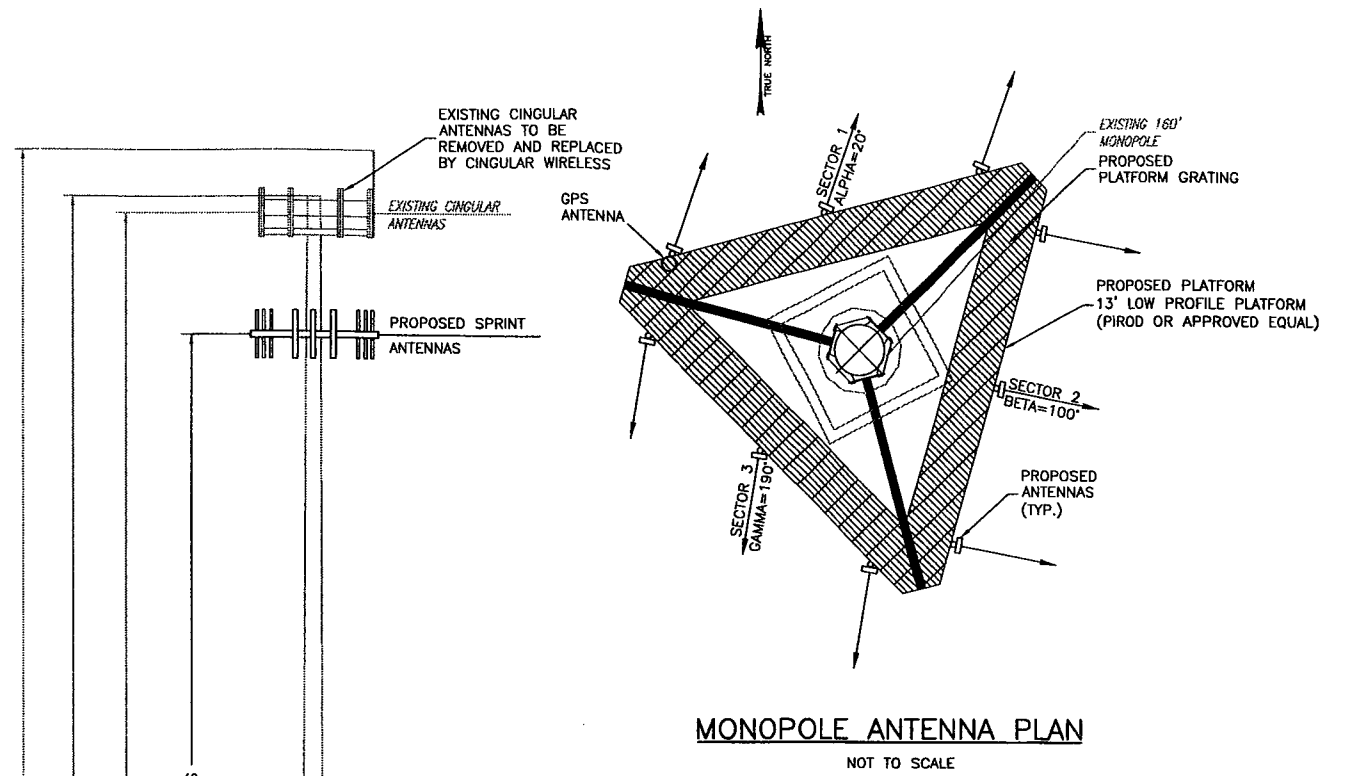
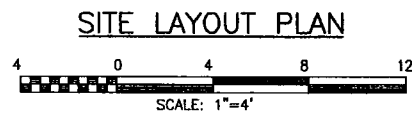
40166732



UPPER LEVEL SITE PLAN

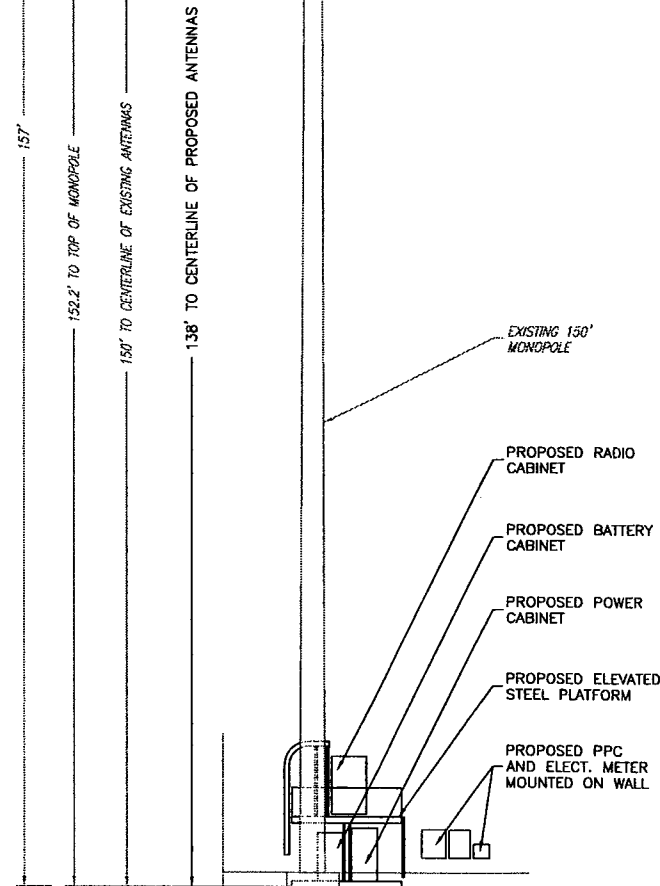


LOWER LEVEL SITE PLAN

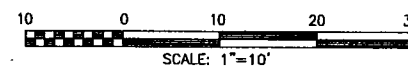


MONOPOLE ANTENNA PLAN

NOT TO SCALE



WEST ELEVATION



Dewberry-Goodkind, Inc.

A Dewberry Company
59 ELM STREET, SUITE 101
NEW HAVEN, CONNECTICUT 06510
(203) 776-2277

MANCHESTER

310 PRESTIGE PARK RD
EAST HARTFORD, CT 06108
CT54XC784

Sprint Spectrum LP

HARTFORD MTA

		<p>Sprint PCS</p>	
<p>PRESTIGE PARK SITE LAYOUT AND WEST ELEVATION</p>			
<p>NO. DATE REVISIONS BY CHK APP'D</p>		<p>JOB NUMBER DRAWING NUMBER REV</p>	
<p>SCALE AS NOTED DESIGNED CKD DRAWN MJR</p>		<p>3139-03 YFA784Z1 1</p>	

Xref: M-BASE-Z Layer: State

By: FJD Plot: JSMITH

I:\projects\3139-03-SNET (eman)\eman\1.dwg Tue, Nov 26 2002 1:34:33pm



RE: CT-0009 [EHFR – Prestige Park]
 Structural Evaluation of 150' ITT Meyer Monopole
 2 Prestige Park Road
 East Hartford, CT 06108
 Hartford County

Date: October 2, 2002

SpectraSite Engineering has performed a *Level 1 evaluation*¹ for the above-noted tower. The evaluation was based on the requirements of the TIA/EIA-222-F Standard for a basic wind speed of 80 mph without ice and 75% of the wind load with ½" radial ice.

Table 1. Existing and Proposed Antennas

ELEVATION (Ft-AGL)	ANTENNA	CARRIER	COAX*	NOTES
157	(1) 10' Omni on Platform Mount with Handrails	Pagenet	(1) 1-5/8"	Existing
152	(10) Swedcom ALP 11011 on Platform Mount with Handrails	Cingular	(10) 7/8"	Remove Existing
152	(10) CSS DUO1417-8686 (6) CSS ADC Amplifiers on Platform Mount with Handrails	Cingular	(10) 7/8"	Proposed Replacement
138	(9) Decibel DB980F65T2E-M on T-Arm Mounts	Sprint	(18) 1-5/8"***	Proposed
39	(1) Nokia CS72187.01 on Standoff Mount	Cingular	(1) ½"	Proposed

*Coax installed inside monopole.

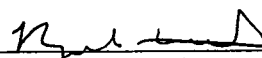
**Requires cutting out of new ports. See attached Drawing CT-0009-SK1 for details.

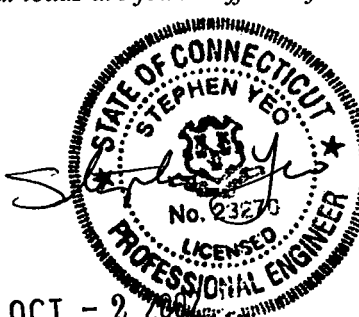
Considering Cingular's proposed loading only, the subject tower and foundation are *adequate* to support the above stated loads and *in conformance* with the requirements of TIA/EIA-222-F Standard.

For Cingular *and* Sprint's proposed loading combined, the subject tower and foundation are *adequate* to support the above stated loads and *in conformance* with the requirements of TIA/EIA-222-F Standard *after being reinforced* per the attached Drawing CT-0009-M1.

The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in Table 1.

Should any questions arise concerning this report please contact the undersigned.


 Raphael Mohamed, P. Eng.
 Project Engineer
 919-465-6629

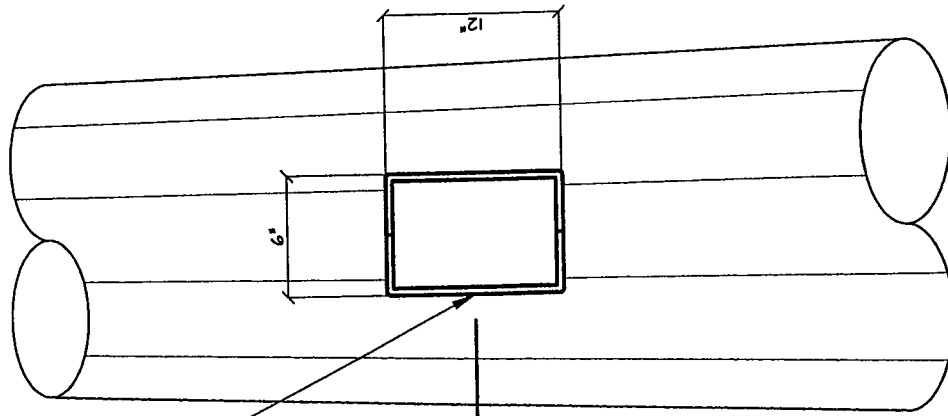

 Stephen Yeo, P.E.
 Structural Design Manager

¹ Level 1 evaluation means:

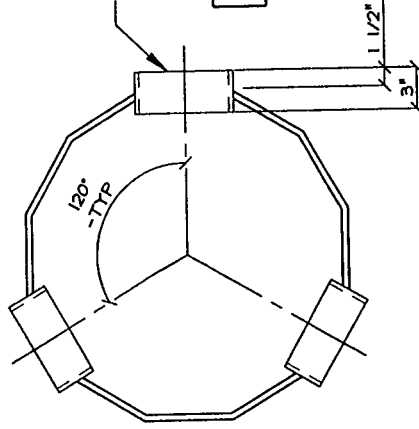
- the applied (existing and proposed) loads (Table 1) on the tower are compared to the original design loads,
- the design wind criteria is compared to the recent code requirements.

GENERAL NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION.
2. CONTRACTOR MUST PROTECT ALL EXISTING FACILITIES, STRUCTURES, AND TRANSMISSION LINES FROM FIRE AND DAMAGE.
3. CONSTRUCTION TO FOLLOW LOCAL BUILDING CODES, AND ANSI/TIA/EIA-222-F (1996).
4. CONTRACTOR IS RESPONSIBLE TO SUPPLY ADEQUATE BRACING AND/OR SUPPORT FOR THE STRUCTURE DURING INSTALLATION.
5. ALL WELDING MUST BE PERFORMED BY AN AWS CERTIFIED WELDER AND BE IN CONFORMANCE WITH AWS D1.1. CONTRACTOR'S WELDER CERTIFICATION MUST BE PROVIDED FOR APPROVAL TO SPECTRASITE ENGINEERING PRIOR TO COMMENCEMENT OF WORK.



SPRINT HANDHOLES
 @ ELEVATION 135' +/- 3'
 (3) 6" x 12" @ 120° (MAXIMUM)
 DIAM. A.F. 16.77"
 0.1875" THK



FORT WORTH TOWER PART NO F10004
 6" x 12" HANDHOLE ITS 12" x 6" x 1/2" x 3' GRADE 65J
 INSTALL PER THIS SHEET AND STANDARD
 FWT TECHNICAL GUIDELINES.
 SEE ATTACHED.

**** MAXIMUM 3 HANDHOLES @ 120°
 120° MINIMUM HORIZONTAL SPACING**

TITLE: PORTHOLE INSTALLATION



CUSTOMER: SPRINT

PROJECT: 150 ITT MEYER MONOPOLE

SITE: E H F R - PRESTIGE PARK, CT

DWN BY: APR'D: DATE:

BKL RIM 9/27/02

PROJECT No.:

CT-0009

DRAWING No.:

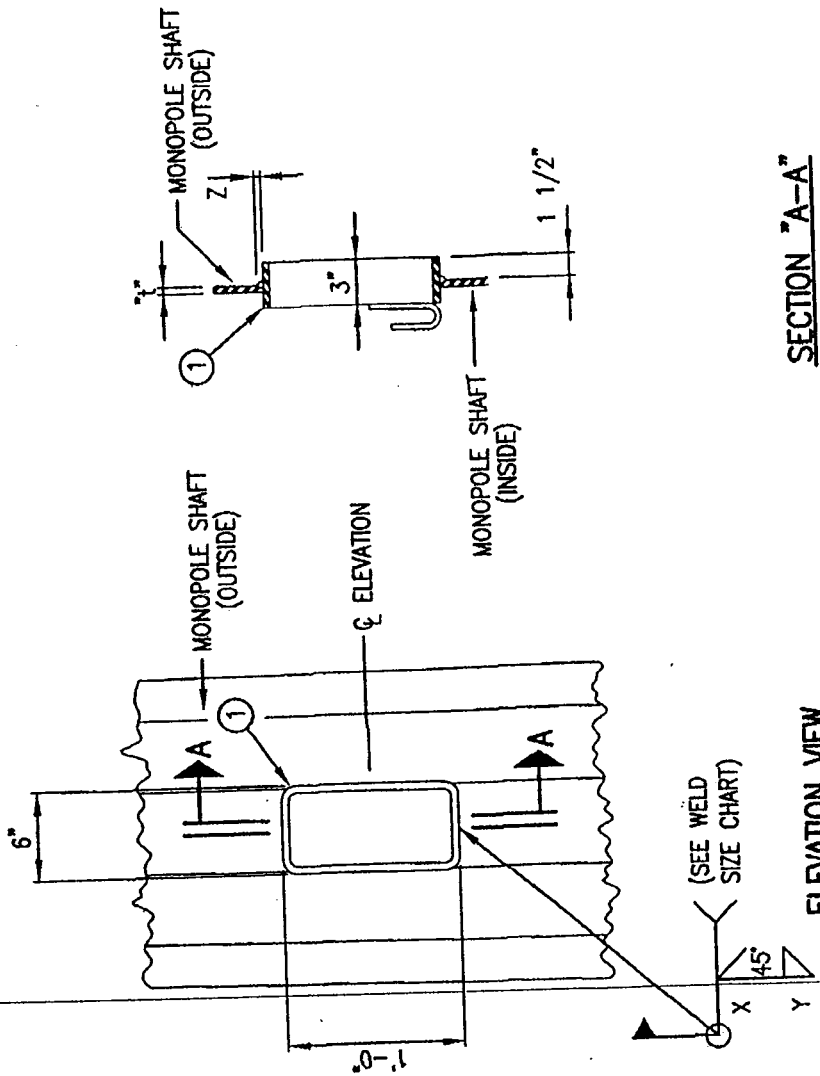
SKI

FIELD NOTES:

- 1.) ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E8018-X OR ER80S-X WIRE.
- 2.) GALVANIZING & GALVANIZING REPAIR IN ACCORDANCE WITH ASTM A123, USING EITHER HOT PATCH OR ZINC RICH PAINT.
- 3.) **CAUTION:** BY CUTTING THE HOLE IN THE SHAFT, YOU ARE WEAKENING THE SHAFT IN THAT AREA UNTIL THE INSTALLATION IS COMPLETE WITH THE PORT WELDED IN PLACE.
CUSTOMER AND CONTRACTOR ARE RESPONSIBLE FOR PROPERLY SUPPORTING THE STRUCTURE DURING INSTALLATION. (I.e. TEMPORARY GUYS, CRANES, ETC.) FWT RECOMMENDS THAT WORK BE PERFORMED UNDER CALM WIND CONDITIONS.
- 4.) NO MORE THAN 2 OR 3 LINE ENTRANCES (HANDHOLES) CAN BE INSTALLED AT ONE ELEVATION PER THE FOLLOWING:
 - A.) MINIMUM POLE DIAMETER IS 14" FOR THREE PORTS. 3-RIM INSTALLATION (TYPICAL 120° SEPARATION). (MINIMUM 90° SEPARATION).
 - B.) MINIMUM POLE DIAMETER IS 12" FOR TWO PORTS. 2-RIM INSTALLATION (TYPICAL 180° SEPARATION). (MINIMUM 90° SEPARATION).
 - C.) COMPLETE INSTALLATION ONE PORT AT A TIME.
 - D.) MAINTAIN ONE FOOT VERTICAL SEPARATION BETWEEN EXISTING PORTS, ALL OTHER PENETRATIONS, TOP PLATES AND SLIP AREAS.
- 5.) FWT REQUIRES THIRD PARTY CERTIFIED WELDING INSPECTOR AT TIME OF INSTALLATION.
- 6.) CUSTOMER IS RESPONSIBLE FOR FURNISHING THIRD PARTY INSPECTION REPORT TO FWT FOR APPROVAL BEFORE HANDHOLE INSTALLATION CERTIFICATION IS VALID.

WELD SIZE CHART		WELD SIZE	45° BEVEL
(1) ORIGINAL POLE WALL THICKNESS (IN.)	(2) WELD SIZE (X)	(3) WELD SIZE (Y)	(4)
3/16" (0.1875")	1/8"	3/16"	1/8"
1/4" (0.2500")	3/16"	1/4"	3/16"
5/16" (0.3125")	1/4"	5/16"	1/4"

BILL OF MATERIAL				WEIGHT/lbs
ITEM	MARK NO.	QTY.	DESCRIPTION	
1	W06121	1	TS 12" x 6" x 1/2" x 0'-3" (HAND HOLE RIM)	18.7
2				
3				
4				
5				
TOTAL GALVANIZED WEIGHT/lbs				19.6



SECTION "A-A"

ELEVATION VIEW

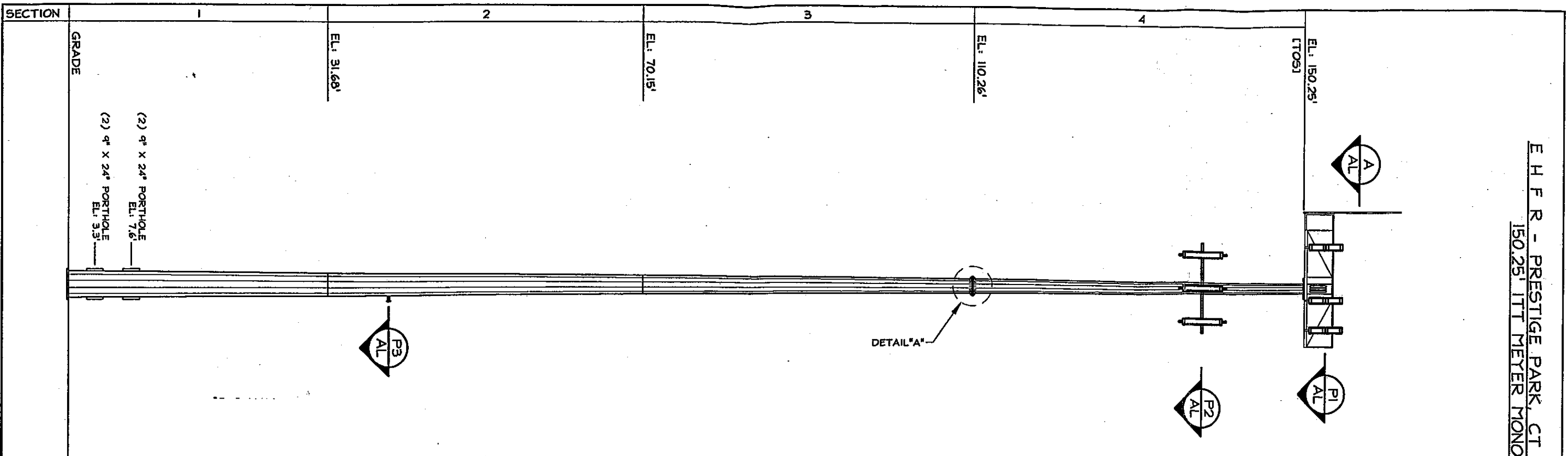
REV.	DATE	BY	INIT.	DESCRIPTION
4	09-JAN-01	MGS		REVISED FIELD NOTES
3	25-APR-00	RJS		UPDATED TITLE BLOCK / DWG FORMAT / CHANGED DWG #
2	1-APR-99	SSS		REVISED FIELD NOTES #1 AND #2
1	28-JUL-97	TDJ		ADDED WELDMENT CHART/FIELD NOTES

SCALE: 1" = 1'-0"	SHEET NO.	4
DATE: 8-JUL-97		
JOB NO.		
DWG FILE: RUS	CHECKED BY:	
SPECIFIC INFORMATION		
6" x 12" HAND HOLE RIM INSTALLATION (006121)		
DRAWING TITLE		
FIELD MODIFICATION		
STANDARD		
F00004		

FWT, Inc.
 5750 East I-20
 Fort Worth, Texas 76119 U.S.A.
 (817) 255-3060 FAX (817) 255-8655

I. PROPRIETARY AND CONFIDENTIAL
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E H F R - PRESTIGE PARK, CT [CT-00091]
150.25' ITT MEYER MONOPOLE

POLE MATERIAL SPECIFICATIONS	
TAPER:	0.160 (IN/FT)
SHAFT STEEL:	ASTM A572, GR. 65
BASE PLATE STEEL:	SQUARE PL 2.5" x 44.3" x 44.3" ASTM A633, GR. E, 60 KSI
ANCHOR BOLTS:	(8) 2.25"φ ASTM A615, GR. 75 45.3"φ B.C.

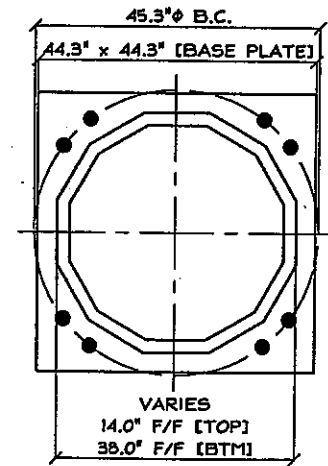
DESIGN SPECIFICATIONS	
CODE:	ANSI/TIA/EIA-222-F
WIND:	80 MPH (HARTFORD COUNTY)
ICE:	1/2" RADIAL

SHAFT SPECIFICATIONS							
SHAFT SECTION	SECTION LENGTH (FT)	# SIDES	THICKNESS (IN)	GRADE (KSI)	OVERLAP (IN)	DIAMETER ACROSS FLATS (IN)	
						BOTTOM	TOP
1	31.68	12	0.375	65	UNK	38.000	32.938
2	38.47	12	0.313	65	UNK	32.938	26.813
3	40.11	12	0.250	65	0	26.813	20.375
4	39.99	12	0.188	65	0	20.375	14.000

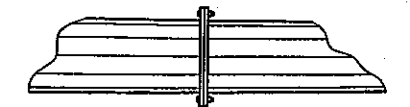
TOWER IDENTIFICATION	
MANUFACTURER:	SMITH CULLUM MAPPING
IDENTIFICATION No:	CT-0009

ANTENNA INFORMATION								
No.	ELEV	ANTENNA TYPE	ANT. DIMS. (LxWxD)	AZIMUTH	MOUNT	TX-LINE#	CUSTOMER	STATUS
A	157.0'	(1) OMNI	10' x 2.4"φ	110°	PLATFORM W/ HANDRAILS	(1) 1-5/8"	PAGNET	E
P1	153.0'	(10) CSS DU01417-8686	48" x 14" x 9"	23°, 143°, 263°	PLATFORM W/ HANDRAILS	(10) 7/8"	CINGULAR	P
P2	138.0'	(9) DECIBEL DB980F65T2E-M	60" x 6.3" x 3"	20°, 100°, 180°	T-ARM	(18) 1-5/8"	SPRINT	P
P3	39.0'	(1) NOKIA CA72187.01	4.5" x 1"φ	1/1 SECTOR	PIPE	(1) 1/2"	CINGULAR	P

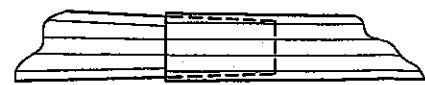
* COAX INSTALLED INSIDE MONOPOLE



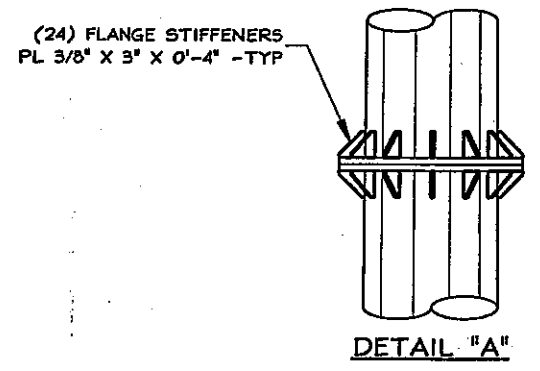
PLAN VIEW



TYPICAL FLANGE DETAIL



TYPICAL SPLICE DETAIL



DETAIL "A"

ANTENNA STATUS LEGEND	
STATUS	DEFINITION
E	EXISTING
F	FUTURE
I	INQUIRY
P	PROPOSED
R	RESERVED
T	TEMPORARY

SEAL:			
ISSUE	DESCRIPTION	DATE	BY
100 REGENCY FOREST DRIVE, SUITE 400 CARY, NORTH CAROLINA 27511 PHONE: (919) 468-0112 / FAX: (919) 468-8522			
TITLE: MODIFICATION DRAWING			
PROJECT: 150.25' ITT MEYER MONOPOLE			
SITE: E H F R - PRESTIGE PARK			
DATE:	DWN:	APP'D:	SITE #:
9/28/02	JMB		CT-0009
DWG #:	REV:		
MI	0		

Power Density Analysis Table

**Sprint PCS Collocation CT54XC784 - East Hartford/Manchester
SpectraSite Tower - 310 Prestige Park Road, East Hartford, CT**

Worst Case Power Density Analysis @ Base of Tower. Assumes Max ERP & No Antenna Pattern Adjustment

Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Total ERP (Watts)	Antenna Height (Feet)	Distance From Base of Tower (Feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure*	%MPE
1962.5	11	250.5	2755.2	138	0	0.052083	1	5.2083%
1962.5	11	250.5	2755.2	138	50	0.046039	1	4.6039%
1962.5	11	250.5	2755.2	138	100	0.034150	1	3.4150%
1962.5	11	250.5	2755.2	138	150	0.023875	1	2.3875%
1962.5	11	250.5	2755.2	138	200	0.016799	1	1.6799%
1962.5	11	250.5	2755.2	138	250	0.012163	1	1.2163%
1962.5	11	250.5	2755.2	138	300	0.009096	1	0.9096%
1962.5	11	250.5	2755.2	138	350	0.007007	1	0.7007%
1962.5	11	250.5	2755.2	138	400	0.005540	1	0.5540%
1962.5	11	250.5	2755.2	138	450	0.004477	1	0.4477%
1962.5	11	250.5	2755.2	138	500	0.003687	1	0.3687%

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

In addition, a cumulative power density analysis was performed for all currently planned antenna installations on the proposed SpectraSite tower. The same conservative methodology above was used for the Cingular Wireless installation at 153 ft AGL. The table below shows that the percent of maximum permissible exposure for all antenna installations, at the base of the monopole, will be only 12.2552%.

Cumulative Power Density Analysis Table

SpectraSite Tower - 310 Prestige Park Road, East Hartford, CT

Operator	Operating Frequency (MHz)	Antenna Centerline Height (ft)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure* (mW/cm ²)	Fraction of MPE
Cingular ¹	880, 1930	153.0	0.046763	0.5687, 1.00 ²	7.0470%
Sprint	1962.5	138.0	0.052083	1.0000	5.2083%
Total Percentage of Maximum Permissible Exposure					12.2552%



November 8, 2002

Vanasse Hangen Brustlin, Inc.

Ref: 40433

Ms. Maureen Muti, Property Specialist
Sprint PCS
One International Boulevard
Suite 800
Mahwah, NJ 07495

Re: **NEPA Compliance Documentation**
2 Prestige Park Road in East Hartford, Connecticut
Sprint Site #CT54XC784

Dear Maureen:

Vanasse Hangen Brustlin, Inc. (VHB) has been retained by Sprint Spectrum, L.P. (Sprint PCS) to review environmental resource information outlined in 47 CFR Ch.1 § 1.1307 sections (a) and (b) for environmental consequences pursuant to the Federal Communications Commission ("FCC or Commission") requirements. The facility is a **proposed collocation on a tower that was constructed before March 16, 2001** and located at 2 Prestige Park Road in East Hartford, Connecticut. Sprint PCS antennas will be attached to the 160-foot monopole tower at approximately 130 feet and associated PCS equipment will be installed near the base of the tower (Sprint Site #CT54XC784). Specifically, VHB reviewed select source information, as outlined below, to determine if the proposed facility will be located in an environmentally sensitive area.

National Environmental Policy Act (NEPA) Requirements

As a licensing agency, the FCC complies with NEPA by requiring its licensees to review their proposed actions for environmental consequences. Rules implementing NEPA are found at Title 47 of the Code of Federal Regulations, Part 1, Subpart I, rule sections 1.1301 to 1.1319.

Section 1.1305 of these rules, state that the Commission "has found no common pattern which would enable it to specify" any particular Commission action as a "major action" under NEPA. Thus, section 1.1306 of the Rules "categorically excluded from environmental processing" all Commission actions except for those specifically identified in section 1.1307. If a licensee's proposed action falls within one of the categories of 1.1307, section 1.1308(a) requires the licensee to consider the potential environmental effects from its construction of antenna facilities or structures, and disclose those effects in an environmental assessment (EA) which is filed with the Commission for review.

This Site falls under The Nationwide Programmatic Agreement (PA) for the Collocation of Wireless Antennas executed by the Federal Communications Commission (FCC), the National Conference of State Historic Preservation Officers, and the Advisory Council on Historic Preservation. For this Site, the PA states that, "For towers constructed on or before March 16, 2001, the Agreement generally allows collocation without consultation or review under Section 106 and Subpart B of 36

CFR Part 800. There are four situations involving the mounting of antennas on such towers, however that still require review:

- (1) The mounting of the antenna will result in a substantial increase in the size of the tower; or,
- (2) Prior to the collocation, the tower has been determined by the FCC to have an effect on one or more historic properties, unless such effect has been found to be not adverse through a “no adverse effect” finding, or if found to be adverse or potentially adverse, has been resolved, such as through a conditional “no adverse effect” determination, a Memorandum of Agreement, a programmatic agreement, or otherwise in compliance with Section 106 and Subpart B of 36 CFR Part 800; or,
- (3) The tower is subject of a pending environmental review or related proceeding before the FCC involving compliance with Section 106 of the National Historic Preservation Act; or,
- (4) The collocation licensee or the owner of the tower has received written or electronic notification that the FCC is in receipt of a complaint from a member of the public, a SHPO or the Council supported by substantial evidence that the collocation has an adverse effect on one or more historic properties.”

VHB’s initial NEPA screening revealed that the antenna mounting will not result in a substantial increase in the size of the tower. Also, Sprint has secured documentation from the tower owner confirming its compliance with Section 106 of the National Historic Preservation Act (NHPA) for this facility. Therefore, under the PA, VHB reviewed the following source information for identification, location, and impacts to environmentally sensitive areas:


National Register of Historic Places – National Register of Historic Places – State of Connecticut, Connecticut Historical Commission, Department of the Interior, National Register Information System for Connecticut data layer provided by Keegans Associates, LLC. See attached NEPA screen map prepared by VHB, Inc. and letter from the State of Connecticut, State Historic Preservation Officer (SHPO) provided by the tower owner.

Indian Religious Sites – State of Connecticut, Connecticut Historical Commission, data layer provided by Keegans Associates, LLC. See attached NEPA screen map prepared by VHB, Inc. and letter from the SHPO provided by the tower owner.

Based on the information currently available, we have found **that the proposed facility does not fall under any of the listed categories of Section 1.1307**. The SHPO letter provided by the tower owner, VHB’s NEPA checklist and NEPA screen map (which outlines the location of the Site and the location of environmental resources) are attached to this letter.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.


Marlo Hitriz
Environmental Scientist

Attachments



NEPA Land Use Screening Checklist

Cascade ID Number: CT54XC784	Site Name & Address: 2 Prestige Park Road in East Hartford, CT	Site Type: Collocation on a tower constructed before 3/16/01	
FCC NEPA Category (See 47 CFR § 1.1307)	Federal, State, or Local Agency Contacted for Approval	SSEO Manual Reference	Check appropriate box
<i>Note: Except for sites screening positive under Item 4.—Historic Places—Land Use EAs are not required for collocation sites. See 47 CFR § 1.1306 NOTE 1.</i>			Positive Negative
1. Wilderness Area	Not Applicable (N/A)		
2. Wildlife Preserve	N/A		
3. Endangered Species	N/A		
4. Historic Place	State of Connecticut, Connecticut Historical Commission, Department of the Interior, National Register Information System for Connecticut. See attached NEPA screen map and letter.	Figure 4.6.2 and Section 4.4.4	X
5. Indian Religious	State of Connecticut, Connecticut Historical Commission. See attached NEPA screen map and letter.	Figure 4.6.3	X
6. Floodplain	N/A		
7. Surface Features (e.g., Wetlands, Floodways)	N/A		
8. High Intensity White Lights	N/A		
<p><i>If the screening investigation for any of the above categories results in a POSITIVE screening, an Environmental Assessment (EA) must be prepared and filed with the Federal Communications Commission (FCC). Construction may not start on any positively screened site prior to receipt of a Finding of No Significant Impact (FONSI) from the FCC. A copy of this Checklist with any applicable federal, state, or local determinations or permits, as well copies of as any EAs, evaluations or corrective measures, shall be documented to the Site Development site project file. The undersigned has reviewed and approved completion of this NEPA Checklist for the above-referenced site. This evaluation is based on The Nationwide Programmatic Agreement (PA) for the Collocation of Wireless Antennas.</i></p>			

Prepared By: * Marlo Hitriz
Environmental Scientist

Company: Vanasse Hangen Brustlin, Inc.

Signed:

Date: 11/8/02

* This Checklist must be prepared by a qualified environmental consultant unless the site is an existing radio tower.

Reviewed by: _____
SPCS Regional SDM or Director

(print name): _____

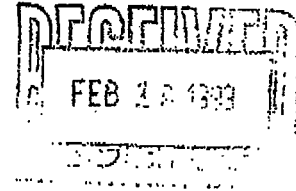
Date: _____



STATE OF CONNECTICUT
CONNECTICUT HISTORICAL COMMISSION

February 17, 1999

Ms. Gabriel Kra
Vertex Engineering Services Inc.
400 Libbey Parkway
Weymouth, MA 02189



Subject: 2 Prestige Park Road
East Hartford, CT
SNET Tower 2

Dear Ms. Kra:

The State Historic Preservation Office has reviewed the above-named project. This office expects that the proposed undertaking will have no effect on historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places.

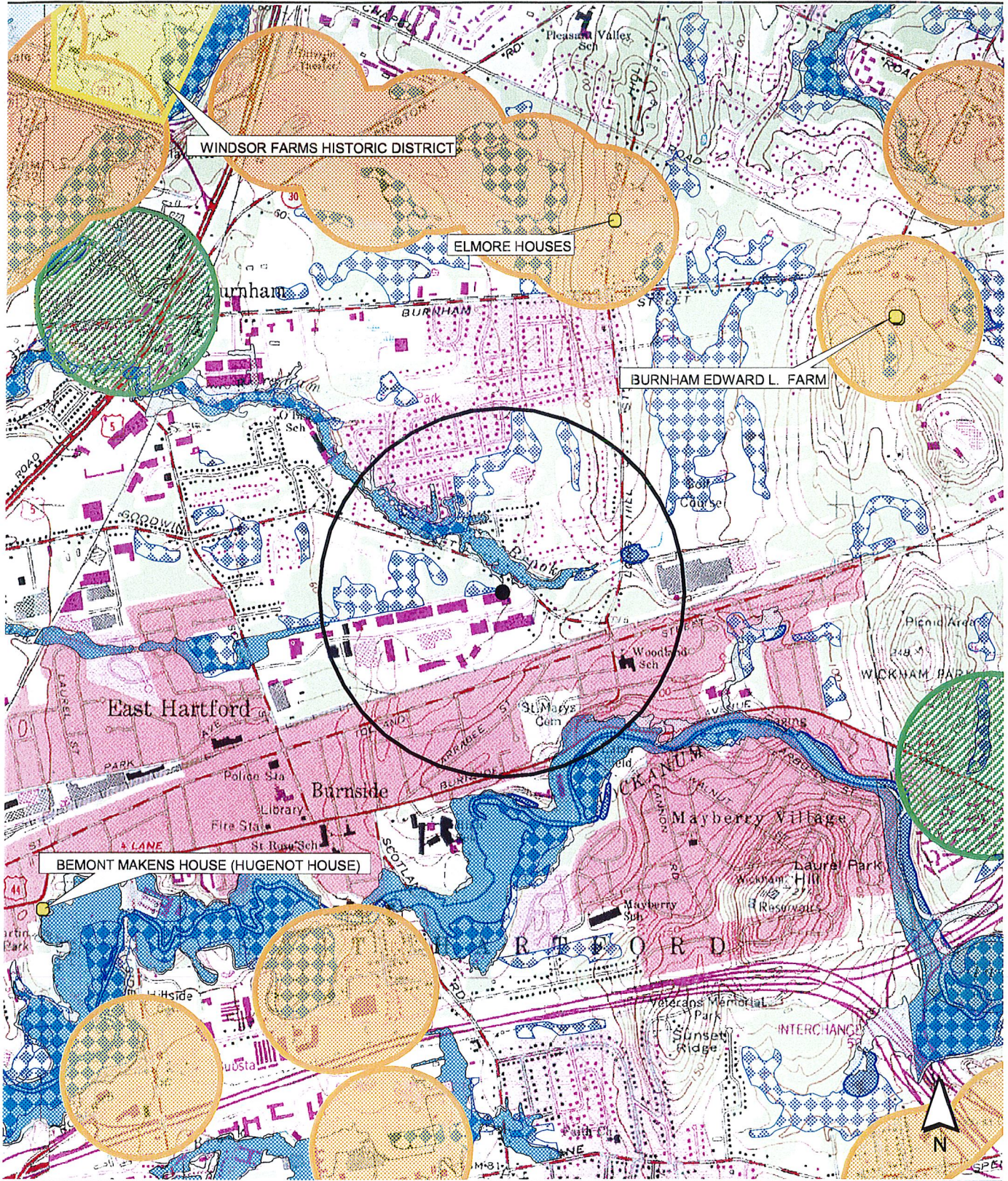
This office appreciates the opportunity to have reviewed and commented upon the proposed undertaking.

We recommend that the responsible agency provide concerned citizens with the opportunity to review and comment upon the proposed undertaking in accordance with the National Historic Preservation Act of 1966 and the Connecticut Environmental Policy Act.

For further information please contact Dr. David A. Poirier, Staff Archaeologist.

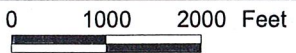
Sincerely,

Dawn Maddox
Deputy State Historic
Preservation Officer



LEGEND

- Site with 1/2 mile radius
- National Register Sites
- National Register Districts
- Archaeological Sites (buffered)
- Threatened and Endangered Species (buffered)
- Connecticut Wetlands
- Open Water
- Floodplains**
- 100 Year Floodplain
- 500 Year Floodplain
- Floodway



Vanasse Hangen Brustlin, Inc.

NEPA Screen
 CT54XC784
 Lat: 41 47 18 Long: 72 36 1.96
 2 Prestige Park Road
 East Hartford, Connecticut
 October 30, 2002

USGS QUAD: Manchester

