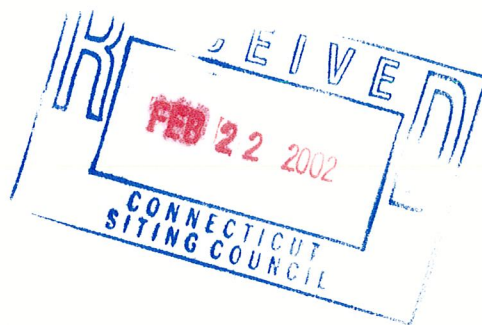


HURWITZ & SAGARIN LLC

February 21, 2002

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



Re: Notice of Exempt Modification
Spectrasite Communications
1069 Connecticut Avenue, Bridgeport, Connecticut

Dear Mr. Gelston:

On behalf of Spectrasite Communications, I am pleased to submit this exempt modification letter of notification. Enclosed are an original plus twenty-five (25) copies of a request for acknowledgement that the co-location of Northcoast Communications, LLC ("Northcoast") equipment on the telecommunications facility that is owned by Spectrasite Communications and is located at 1069 Connecticut Avenue, Bridgeport, Connecticut, satisfies the requirements set forth in R.C.S.A. § 16-50j-72(b)(2). A check in the amount of \$500.00 to cover the filing fee for this request for acknowledgement is also enclosed.

The Mayor of Bridgeport has been sent notice of this filing by certified mail.

Sincerely,

JULIE M. DONALDSON
rr/enc.

cc: Joseph Ganim, Mayor of Bridgeport
Randy Currin; Spectrasite Communications, Inc.
Jennifer Gaudet, Pinnacle Site Development Inc. for Northcoast Communications
Steven Francis, Esq.; Richard, Connor Riley & Associates, L.L.C.

HURWITZ & SAGARIN LLC

February 21, 2002

Mr. S. Derek Phelps
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

**Re: Notice of Exempt Modification
Spectrasite Communications
1069 Connecticut Avenue, Bridgeport, Connecticut**



Dear Mr. Phelps:

Spectrasite Communications Inc. ("Spectrasite") owns and operates a telecommunication facility located at 1069 Connecticut Avenue, Bridgeport, CT and intends to allow Northcoast Communications LLC. ("Northcoast") to install nine panel-type antennas and related equipment at this existing facility. Please accept this letter as notification, pursuant to R.C.S.A. § 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Mayor of Bridgeport, Joseph Ganim.

The existing Bridgeport facility consists of a 132-foot self-supporting monopole tower and related equipment located off Connecticut Avenue Road in Bridgeport. The facility was approved by the City of Bridgeport Zoning Board of Appeals on March 9, 1999 and City of Bridgeport Planning & Zoning on July 26, 1999 (Nextel Communications was the applicant). The tower currently supports the antennas of Nextel Communications and Voicestream Wireless.

Northcoast plans to install nine panel-type antenna mounted on the tower at the 100 foot level. (See the plans attached hereto as Exhibit B). Northcoast will install a 10' x 20' equipment pad in an expanded compound area, near the base of the tower. The existing tower is structurally capable of supporting Northcoast's use, as indicated in the structural analysis dated 7/31/01, attached hereto as Exhibit C.

The planned modifications to the Bridgeport facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modification will not increase the height of the tower. Northcoast's antennas will be installed with a centerline at the 100 foot level. The enclosed tower drawing confirms that the proposed modifications will not increase the height of the tower.

HURWITZ & SAGARIN LLC

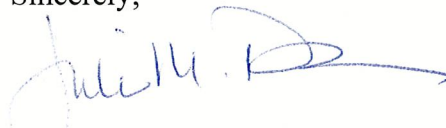
2 . The installation of the Northcoast equipment near the base of the tower, as reflected on the attached site plan, will not require an extension of the site boundaries. Northcoast's proposed equipment shelter will be located entirely within the existing lease area.

3 . The proposed modification to the facility will not increase the noise levels at the existing facility by six decibels or more.

4 . The operation of the additional antennas will not increase the total radio frequency (RF) power density, measured at the base of the tower, to a level at or above the applicable standard. The "worst-case" RF power density calculation for a point at the base of the tower for the existing operation of SCLP's antennas would be 14.56 % of the FCC Standard. Based upon information provided by Northcoast, its operations would add .9491 % of the FCC Standard. Therefore, the calculated "worst case" power density for the planned combined operation at the site including Northcoast's antennas would be 12.9 % of the FCC Standard as calculated for a mixed frequency site as evidenced by the engineering exhibit attached hereto as Exhibit D.

For the foregoing reasons, Spectrasite respectfully submits that the proposed addition of antennas and equipment at the Bridgeport facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,



Julie M. Donaldson, Esq.

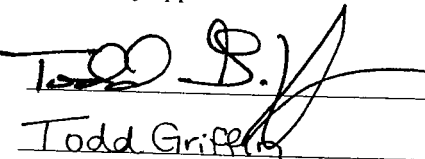
cc: Randy Currin; Spectrasite Communications, Inc.
Jennifer Gaudet, Pinnacle Site Development Inc. for Northcoast Communications
Steven Francis, Esq.; Richard, Connor Riley & Associates, L.L.C.
Joseph Ganim, Mayor of the City of Bridgeport



Municipality: City of Bridgeport
 Tax Assessor's Parcel Number: Block 723, Lot 3A
 SCI Site Number and Name: CT-0005 Bridgeport

Re: Building Permits and Land Use Approvals

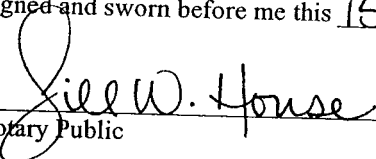
SpectraSite Communications, Inc., the Landlord/ Tower Owner of 1069 Connecticut Avenue, Bridgeport, CT (the "Property") does hereby appoint Northcoast Communications and its agents and representatives as Owner's Agent for the purpose of completing, executing and/ or filing any application, form, map, approval, variance, special permit or other land use approval or building permit ("Approvals") required to provide Northcoast Communications with lawful access to, and ability to use the Property for the purpose of installing, erecting, or otherwise placing antennae, support structures and related equipment on the Property. Northcoast Communications shall be responsible for all costs, filing fees, or any expense incurred in connection with securing any approvals.

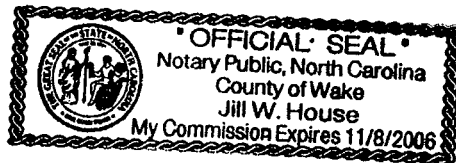
Tower Owner:		NATIONAL ZONING MANAGER
Print Name:	Todd Griffith	SPECTRASITE COMMUNICATIONS, INC.
Date:	1/15/02	100 Regency Forest Drive, Suite 400 Cary, NC 27511 919-485-6611

STATE OF NORTH CAROLINA

COUNTY OF WAKE

Signed and sworn before me this 15th day of January, 2002


 Notary Public



BRIDGEPORT ZONING BOARD OF APPEALS

Room 206 ---- 45 Lyon Terrace ---- Bridgeport, Connecticut 06604

At a meeting held in City Hall on Tuesday, March 9, 1999

C-1.

RE: 1069 Connecticut Avenue

Petition of Nextel Communications of the Mid-Atlantic, Inc. for a variance of the maximum height requirements of Sec. 7-3-3 to permit the construction of a telecommunications monopole and equipment shelter in an Industrial Light Zone.

PUBLIC HEARING: Tuesday, March 9, and February 9, 1999 to permit the construction of a telecommunications monopole and equipment shelter in an I- LI Zone.

GRANTED CONDITIONALLY, Subject to the following condition(s):

The amount of surety for a removal bond shall be determined by the P & Z Commission with review and input from the City Attorney's Office

The "Board" assigned the following reason(s) for its action:

Reasonable cause of hardship has been demonstrated by the applicant as it relates to the technical restrictions for cellular coverage in a given area along the I-95 corridor and as required by federal regulations.

NOTE: Unless acted upon within six months, this grant becomes void. Your failure to comply with any conditions applicable to this action will also void the rights and privileges granted hereby. This is not a Building Permit and any structure or building contemplated by this action can only be started after proper application to and issuance of such permit by the Building Official. Other approvals or permits, required by law, should be sought from the proper authorities before exercising any part of this grant.

William A. Shaw Clerk

ZONING DEPARTMENT
DEVELOPMENT ADMINISTRATION

City of Bridgeport



34

DATE: August 2, 1999

OUR FILE: # 99-58

Attorney John W. Knuff
Hurwitz & Sagarin, LLC
147 N. Broad Street
Milford, CT 06460

RE: Site Plan Review
1069 Connecticut Avenue
Bridgeport, CT

Dear Attorney Knuff:

At its meeting held on July 26, 1999, the Planning & Zoning Commission voted to approve conditionally the application submitted by you on behalf of your client, Nextel Communications seeking a Site Plan Review under Sec. 14-2 of the Zoning Regulations of the City of Bridgeport pertaining to the installation of a wireless communications tower & antenna structure in an I-LI ZONE.

The Commission stipulated the following conditions for its approval:

1. The development of the subject property shall be in accordance with the plans submitted & held on file in the Zoning Department.
2. The petitioner shall comply with the concerns addressed at the public hearing by Attorney Melanie Howlett of the City Attorney's Office & agreed to by the petitioner's legal representative.

The Commission assigned the following reason for its action:

1. The development, as submitted, complies with the standards of Sec. 14-2-5 for a Site Plan Review of the Zoning Regulations of the City of Bridgeport, CT.

Very truly yours,

A handwritten signature in cursive script that reads "William A. Shaw".

William A. Shaw, Clerk
Planning & Zoning Commission

WAS:map

cc: Melanie Howlett, Associate City Attorney

STRUCTURAL ANALYSIS REPORT

Site ID: CT-0005 / Bridgeport, CT

132 ft EEI Monopole Tower

Project 6013011: SP1-037

Presented to:

Mr. Bill Rushton
SpectraSite Communications, Inc.
100 Regency Forest, Suite 200
Cary, NC
27511

July 31, 2001

APPROVED		
Tower	Pass	Fail
Foundation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
<i>RS</i>		8/1/01
Initials		Date



Denis Hum, M.Eng., P.E.
Senior Structural Engineer
MORRISON HERSHFIELD CORP.



C.H. David Tan, M.Eng., P.E.
Senior Structural Engineer
MORRISON HERSHFIELD CORP.
Connecticut Registration No. 22092

Table of Contents

1. Executive Summary
2. Tower Information
3. Assumptions and Particular Considerations
4. Scope of Analysis
5. Antenna Loading Investigated
6. Analysis Results Summary
7. Conclusions

Appendix A: Tower Elevation Drawing

Appendix B: Computer Input and Output Listings

Appendix C: Miscellaneous Information

Revision	Date (M/D/Y)	Engr	Review	Comments
SP1-037	07/31/01	ISG	KGB	Analysis for North Coast.

1. Executive Summary

Morrison Hershfield, as requested by Mr. Bill Rushton of SpectraSite Communications, has carried out an analysis of the 132 ft monopole tower described in this report for the addition of **NorthCoast Communications's** proposed antenna installation. This report includes, but is not limited to, details of the tower, assumptions used in this investigation, structural loading used, stress results, conclusions and recommendations.

The structural analysis was done in accordance with the requirements of TIA/EIA-222-F *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures* using the Fairfield county minimum 85 mph wind speed with ½" radial ice.

Our analysis demonstrates that the existing tower **is in conformance** with the requirements of the above noted standards while under the effects of loading due to the proposed antenna installation and existing antennas. Based on the provided structural foundation drawings from EEI and soil data from the soil report prepared by Applied Earth Technologies, dated November 23, 1999, the foundation has been analyzed and **is capable** of supporting the loads from our analysis.

2. Tower Information

Tower Details

Site Name	CT-0005 Bridgeport
Location	1069 Connecticut Avenue, Bridgeport, CT / Fairfield County (Lat 41-11-01, Long 73-09-29)
Tower Description	132 ft monopole tower: 12-sided, 3-section tapered slip-joint sections. Base diameter 45 in.
Original Fabricator / Date of Installation	EEI /1999
Original Design Loading	TIA/EIA-222-F, 85 mph wind speed and 1/2" ice.
Current Standard and Loading	TIA/EIA-222-F, 85 mph wind speed and 1/2" ice.
Tower History	No known record of tower modifications since installation.

Material Grade Information

Tower Members	ASTM A572 Gr. 65 ksi steel for all sections.
Anchor Bolts	ASTM A615 Gr. 75 ksi, #18 deformed rebar

Sources of Information for Tower

- Tower drawings by Engineered Endeavors, Inc., Project No. 5543, dated August 25, 1999, provided by SpectraSite Communications.
- Antennas and coax based on antenna inventory sheet, tower and site sketch and collocation application sheet, provided by SpectraSite Communications.
- Foundation drawings by Engineered Endeavors, Inc., Project No. 5543, dated October 14, 1999, provided by SpectraSite Communications. Original foundation loads as per Engineered Endeavors, Inc., Project No. 5543, dated August 25, 1999. Soil data as per Geotechnical Report by Applied Earth Technologies, dated November 23, 1999.

3. Assumptions and Particular Considerations

All results and conclusions derived from this analysis report are as accurate as the information provided to Morrison Hershfield. An independent verification of the information supplied to us has not been made. It is assumed that the tower and foundation have been properly constructed as per the original design drawings and specifications. It is also assumed that the structure has been properly maintained, is in good condition and is capable of carrying the full design loading. Any subsequent modifications to the original tower, where applicable and based on data supplied to Morrison Hershfield, are also assumed to have been properly installed as per design and capable of carrying their full design load. Exceptions to the foregoing are stated explicitly in this report.

The following special assumptions were made in this analysis:

- All tx-lines were assumed to be inside the monopole.
- Proposed antennas at 100 ft were assumed to be on three new sector mounts.

4. Scope of Analysis

Unless noted otherwise, this report is limited to a structural analysis of the tower based on established engineering principles for both structural behavior and member capacities. The analysis is performed using Morrison Hershfield's proprietary software for analysis of monopole towers. The program allows for an elastic model of the monopole including P-delta effects, and takes into consideration code provisions based on TIA/EIA and AISC requirements.

5. Antenna Loading Investigated

The following loading was considered for the structural analysis:

Antenna Loads

Elev(ft)	Antenna Description	Carrier	Location	TX-Lines
	PROPOSED			
100.0	(9) DAPA 48010 PANELS	NORTHCOAST	0,120,240	(9) 1-5/8" [I]
100.0	(3) SECTOR MOUNTS			
	FUTURE			
120.0	(12) EMS RR90-17-02DP PANELS	VOICESTREAM		(24) 1-5/8" [I]
120.0	(1) MEDIUM PLATFORM			
110.0	(1) TA-2350-DAB OMNI	XM RADIO		(1) EW20 [I]
110.0	(1) STAND-OFF MOUNT			
	EXISTING			
132.0	(12) DB844H90E-XY PANELS	NEXTEL		(12) 1-1/4" [I]
132.0	(1) MEDIUM PLATFORM			

Notes: (a) Any discrepancies in loading from this listing should be brought to Morrison Hershfield's attention; results of this analysis cannot be used if the loading is different; (b) [I] denotes lines inside the pole; [O] denotes lines outside the pole.

6. Analysis Results Summary

Summary results of our structural analysis are presented below. A listing of the full computer analysis is provided in Appendix B to this report. The results show that the existing tower **is in conformance** with the requirements of the standards given in Section 1 of this report, for a fastest mile wind speed of 85 mph with ½" radial ice and for the specified loading.

Foundation loads from our analysis are up to 18% greater than the original design base reactions from Engineered Endeavors. However, based on the provided structural foundation drawings from EEI and soil data from the soil report prepared by Applied Earth Technologies, dated November 23, 1999, the foundation has been analyzed and **is capable** of supporting the loads from our analysis.

Maximum Tower Response

Tower Section	Results
Section 1: 0 ft - 46 ft	SRmax= 0.80 (0 ft)
Section 2: 46 ft - 90 ft	SRmax= 0.86 (47 ft)
Section 3: 90 ft - 126 ft	SRmax= 0.70 (91 ft)

SR= Stress ratio, based on combined bending and axial effects. SR should be less than 1.00.

Foundation Loads Comparison

Load	Original Design	Current Analysis	Ratio to Original
Compression (kip)	29.1	34.4	1.18*
Moment (kip-ft)	2049.1	2098.6	1.02*
Shear (kip)	20.7	23.2	1.12*

* Denotes ratio to original greater than 1.0.

7. Conclusions

Our analysis shows that the existing tower and foundation **are capable** of supporting the loads as a result of **NorthCoast Communications's** proposed antenna installation and existing antennas.

We trust that this report is satisfactory. If you have any questions, please feel free to contact our office.

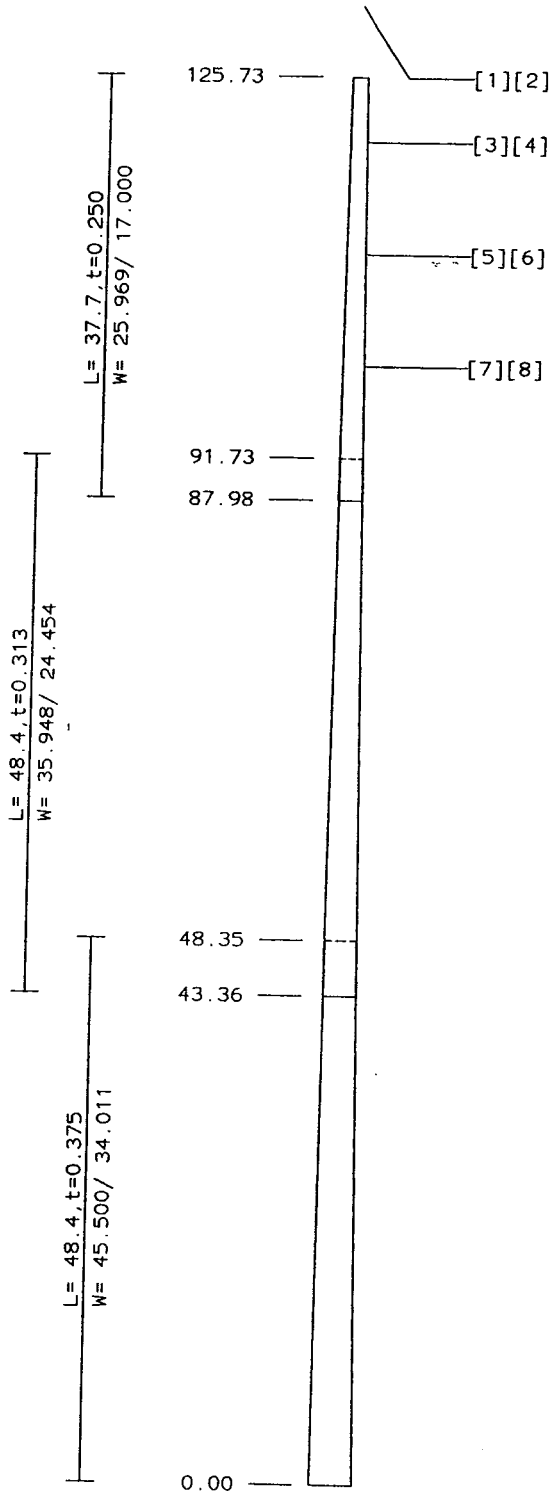
APPENDIX A

Tower Elevation Drawing

ANTENNA LOADING

	ELEV	ANTENNA DESCRIPTION	TX-LINES
1	132.0	E (12) DB844H90E-XY PANELS	(12) 1-1/4"
2	132.0	E (1) MEDIUM PLATFORM	
3	120.0	F (12) EMS RR90-17-02DP PANELS	(24) 1-5/8"
4	120.0	F (1) MEDIUM PLATFORM	
5	110.0	F (1) TA-2350-DAB OMNI	(1) EW20
6	110.0	F (1) STAND-OFF MOUNT	
7	100.0	P (9) DAPA 48010 PANELS	(9) 1-5/8"
8	100.0	P (3) SECTOR MOUNTS	

F= FUTURE LOADING; P= PROPOSED LOADING



126 FT 18-SIDED MONOPOLE TOWER
SP1-037

MORRISON HERSHFIELD
3730 Chamblee Tucker Rd
Atlanta, GA 30341
Tel: (770) 939-2370
Fax: (678) 406-0020

APPENDIX B

Computer Input and Output Listings

General Information

Client : <u>SpectraSite Communications</u>	Project # : <u>6013011.00</u>
Site Name : <u>SP1-037</u>	Analysis Date : <u>27-Jul-01</u>
City : <u>Bridgeport</u>	
State : <u>CT</u>	Basic Wind Speed : <u>85</u> mph
Analysis By : <u>ISG</u>	Ice Thickness : <u>0.5</u> in
Checked By : <u>KGB</u>	Ice Load Factor : <u>0.75</u>
	Gust Factor : <u>1.69</u>
Analysis Code : <u>TIA/EIA-222F</u> Program Version : <u>3.03 BETA</u>	

Monopole Geometry

Monopole Type : 16 Sided

Material Grade : 65 ksi

Youngs Modulus E : 29000 ksi

Base Elevation : 0 ft

Total Height : 126 ft

Segment Increment : 1 ft
(for output)

Section Data (8 Sections Maximum)				
From Elevation	To Elevation	From Diameter	To Diameter	Thickness
0.000	46.000	45.500	34.570	0.375
46.000	90.000	35.320	24.865	0.313
90.000	126.000	25.490	16.936	0.250

Exposure Factors

These exposure factors to be used to account for Tx-line Shielding, Group Icing of bundled Tx-lines and other judgement factors.

% of Attached Areas Exposed to Wind and Ice				
From Elevation	To Elevation	Bare Wind Exposure	Iced Wind Exposure	Ice Grouping Reduction

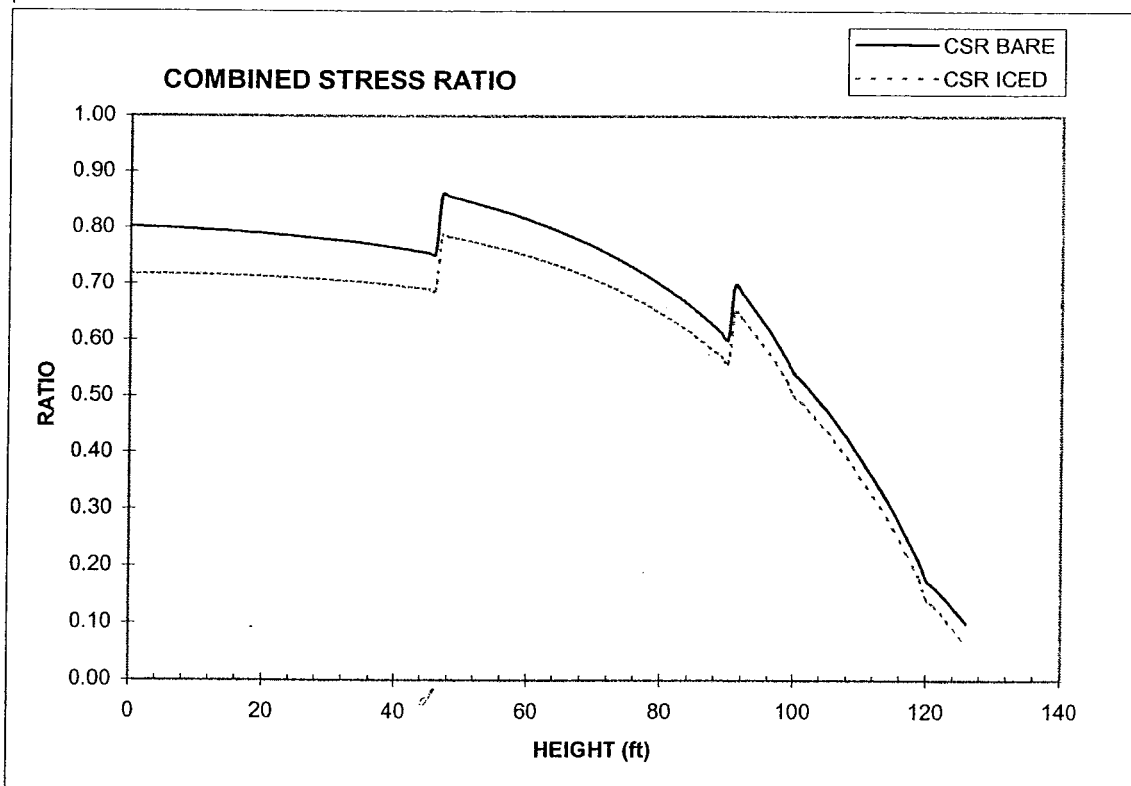
OUTPUT SUMMARY

Client : SpectraSite Communications
 Site Name : SP1-037
 Project # : 6013011.00
 Analysis Date : July 27, 2001
 Analysis Code : TIA/EIA-222F Version : 3.03 BETA

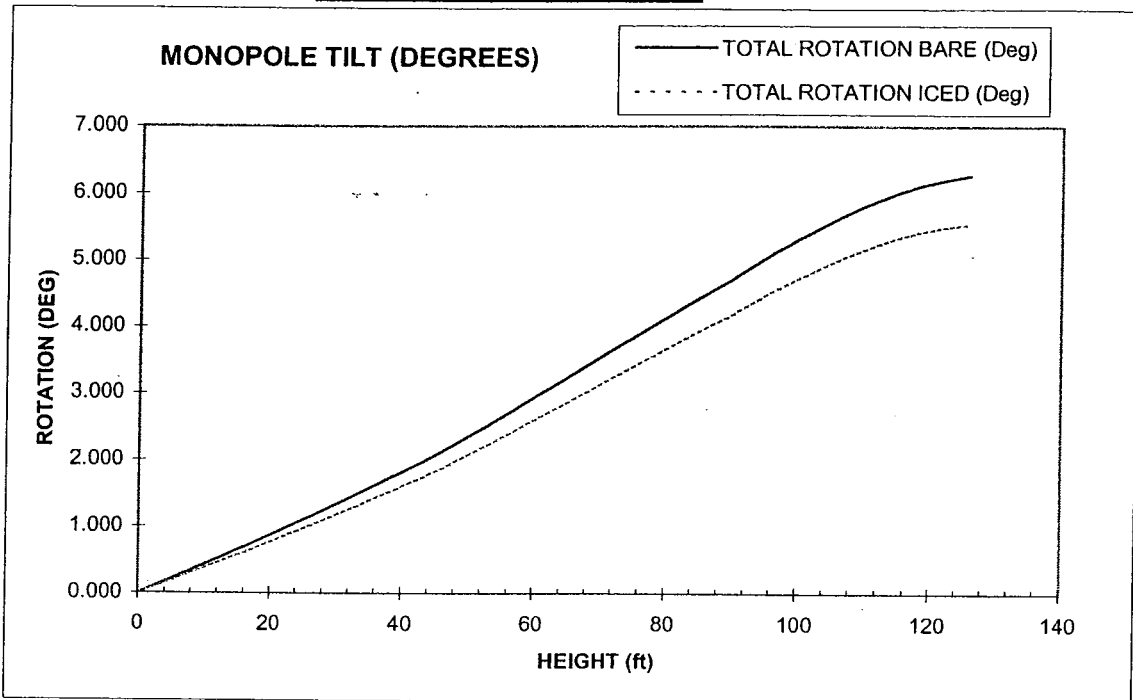
BARE	ICED
Base Shear (kips) : <u>23.17</u>	Base Shear (kips) : <u>19.65</u>
Base Moment (k-in) : <u>25,182.7</u>	Base Moment (k-in) : <u>22,361.5</u>
Base Axial (kips) : <u>25.78</u>	Base Axial (kips) : <u>34.36</u>
Max C.S.R. <u>0.86</u>	Max C.S.R. <u>0.79</u>

Base reactions are unfactored, service loads

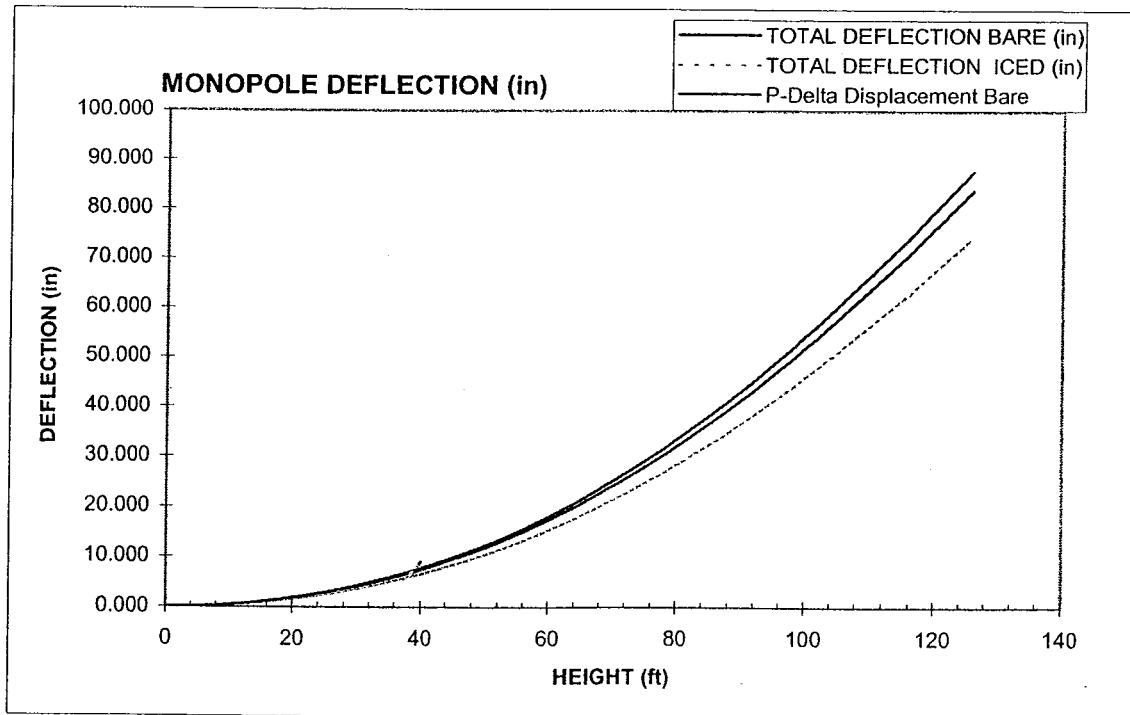
COMBINED STRESS RATIO



TILT SUMMARY



DEFLECTION SUMMARY



POINT LOADS

<u>Load #</u>	<u>Status</u>	<u>Description</u>	<u>Units of Lbs. and Sq.Ft.</u>	<u>Carrier</u>	<u>Location</u>	<u>Elevation</u>	<u>Bare CaAa</u>	<u>Bare Weight</u>	<u>Iced CaAa</u>	<u>Iced Weight</u>
1	E	(12) DB844H90E-XY PANELS		NEXTEL		132	33.8	122	48	431
2	E	(1) MEDIUM PLATFORM				132	50	2000	62.5	3000
3	F	(12) EMS RR90-17-02DP PANELS		VOICESTREAM		120	37.7	217	39	480
4	F	(1) MEDIUM PLATFORM				120	50	2000	62.5	3000
5	F	(1) TA-2350-DAB OMNI		XM RADIO		110	1	15	1.5	22
6	F	(1) STAND-OFF MOUNT				110	5	80	7	200
7	P	(9) DAPA 48010 PANELS		NORTHCOAST	10,120,240	100	27	165	30	363
8	P	(3) SECTOR MOUNTS				100	50	2100	62.5	3150

UDL LOADS

<u>Load #</u>	<u>Shape</u>	<u>Units of Lbs. and Sq.Ft.</u> <u>Description</u>	<u>Elevation</u>		<u>Diameter</u>	<u>Bare</u>		<u>Iced</u>		<u>Reduction Allowed</u>
			<u>From</u>	<u>To</u>	<u>or Width</u>	<u>Weight</u>	<u>CaAa</u>	<u>Weight</u>	<u>CaAa</u>	
1	Round	(12) 1-1/4"	0	126	0	8	0.000	8	0.000	No
2	Round		0	126	0	0	0.000	0	0.000	No
3	Round	(24) 1-5/8"	0	120	0	26	0.000	26	0.000	No
4	Round		0	120	0	0	0.000	0	0.000	No
5	Round	(1) EW20	0	110	0	1.85	0.000	1.85	0.000	No
6	Round		0	110	0	0	0.000	0	0.000	No
7	Round	(9) 1-5/8"	0	100	0	9.75	0.000	9.75	0.000	No
8	Round		0	100	0	0	0.000	0	0.000	No

APPENDIX C

Miscellaneous Information



SpectraSite Collocation Application

RETURN THIS APPLICATION TO: (E-MAIL IS PREFERRED)		Date Received by SCI: _____
SpectraSite Communications, Inc.		Revision Dates: _____
100 Regency Forest Drive, Suite 400	e-mail: <u>Collocation@spectrasite.com</u>	SCI Site Name: <u>Bridgeport</u>
Cary, NC 27511	office: <u>919-468-0112</u>	SCI Site Number: <u>CT-0005</u>
Attn: Collocation Management	fax: <u>919-465-3343</u>	

APPLICANT INFORMATION

Applicant (Carrier): <u>Northcoast Communication, PCS</u>	Contact Name: <u>Steve Schadler</u>
Applicant Site Name: <u>1069 CT Avenue</u>	Contact Number: <u>860 416-2720</u>
Applicant Site Number: <u>321.383.02</u>	Contact Fax: <u>860-652-8333</u>
Proposed ON AIR DATE: _____	
Applicant Legal Entity Name: <u>Northcoast Communications, PCS</u>	Contact Address: <u>41 Sequin Dr.,</u>
Notice Address for Lease: <u>80 Baylis Rd Suite 201</u>	<u>Glastonbury, CT 06033</u>
Billing Address: <u>80 Baylis Rd, Suite 201</u>	Contact Email: <u>Steves@pinnaclesite.com</u>
<u>Melville, NY 11747</u>	

ADDITIONAL CARRIER INFORMATION

Leasing Contact Name/Number:	<u>Steve Schadler/860 416-2720</u>
RF Contact Name/Number:	<u>Lovell Saunders 914-584-2000</u>
Construction Contact Name/Number:	<u>Chris McCarrier 860-657-1460</u>
Emergency Contact Name/Number:	<u>Mike Murphy 631-592-7781</u>

SPECTRASITE TOWER INFORMATION

Latitude:	41	11	01	Existing Structure Type:	<u>Monopole</u>
Longitude:	73	09	29	Existing Structure Height:	<u>132'</u>
Site Address:	<u>1069 CT Avenue-Bridgeport, CT</u>			County:	<u>Fairfield</u>

ANTENNAS

Sector	V1	V2	V3
Desired Rad Center (Feet AGL)	100'	100'	100'
Antenna Quantity	3	3	3
Antenna Manufacturer	Dapa	Dapa	Dapa
Antenna Model (Attach Spec Sheet)	Dapa48010	Dapa48010	Dapa48010
Weight (per antenna)	18.3	18.3	18.3
Antenna Dimensions	53.3 x 8.7 x 2.7"	53.3 x 8.7 x 2.7"	53.3 x 8.7 x 2.7"
ERP (watts)	279W	279W	279W
Antenna Gain	16.6	16.6	16.6
Orientation/Azimuth	0	120	240
Mechanical Tilt	0-4	0-4	0-4
Channels	825,850,875	825,850,875	825,850,875
Mount Mfg and Model (Attach Spec Sheet)	Dapa 48308	Dapa 48308	Dapa 48308
Tower Mount Dimensions	1.25"-4.5" OD	1.25"-4.5" OD	1.25"-4.5" OD
Tower Mount Weight	8.9	8.9	8.9
Tower Mount Mounting Height			
Transmit Frequency	1971.25,1972.50, 1973.75MHz	1971.25,1972.50, 1973.75MHz	1971.25,1972.50, 1973.75MHz
Receive Frequency	1891.25,1892.50, 1893.75MHz	1891.25,1892.50, 1893.75MHz	1891.25,1892.50, 1893.75MHz
Number of Coax Cables (PER SECTOR)	3	3	3
Diameter of Coax Cables	1 5/8"	1 5/8"	1 5/8"
Type of Service (i.e.CDMA, GSM, TDMA, PAGING):	CDMA		



SpectraSite
Collocation Application
GROUND SPACE REQUIREMENTS

Total Lease Area Dimensions	10 x 20		
Cabinet Pad Dimensions	10 x 20	Cabinet Manufacturer/Model	TBD
Shelter Pad Dimensions	N/A	Shelter Manufacturer/Model	
POWER REQUIREMENTS			
AC Power		Required Voltage and Total Amperage	



SpectraSite

SpectraSite Communications, Inc.
 8000 Regency Parkway, Suite 570
 Cary, NC 27511
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 Collocation@spectrasite.com
 Office: 919-851-0320
 Fax: 919-859-6789

September 5, 2000

Date of Last Update: 8/17/00

Tower Antenna Inventory for Site # CT-0005 Site Name Bridgeport

Carrier	EXISTING						MAX ALLOWABLE				Microwave Other		
	Antenna Info			Coax Info			Mount Type	Antenna Info		Ht		Coax Info	
	#	Type	Ht	#	Size/Distr	#		Type	#			Size/Distr	Mount Type
NEXTEL (Existing)	12	PANEL Decibel/DB844 H90E-XY	132' RAD	12	1-1/4"	PLATFORM	12	PANEL ALP 9011	130'		Platform		
VoicesStream (Proposed)	12	EMS RR901702DP	120' RAD	24	1-5/8" 2 per antenna	14' Std. Platform							
XM Sat. Radio (Proposed)	1	TILTEK TA-2350-DAB	110' RAD	1	3" x 5" (EW20)	Pipe Mount							
Northcoast (Proposed)	9	Dapa48010	100' RAD	9	1 5/8"	Dapa 48308							

NOTE: SATELLITE DISH IS ON ICE BRIDGE.

Key:

- Mount Types:
- Tophat
 - Side arm
 - T-arm
 - Low profile platform



This report provides information regarding Northcoast Communications compliance with the Federal Communications Commission ("FCC") Guidelines for Human Exposure to RF Electromagnetic Fields at the proposed site located at 1069 Connecticut Avenue, Bridgeport, CT.

The FCC has provided guidelines regarding human exposure to the radio frequency electromagnetic fields. These guidelines are defined in FCC's OET Bulletin No. 65. In this bulletin, the FCC has set the limits for maximum permissible exposure (MPE) limits for both the occupational and general population. These limits for maximum permissible exposure are shown below on Table 1.

Table 1. LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

(A) Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

Northcoast transmit frequencies are in the range of 1970 to 1975 MHz. Based on Table 1, the limit for the occupational exposure at these frequencies is 5 mW/cm² and the limit for the general population is 1 mW/cm².

Below are calculations showing Northcoast power density levels at the base of the tower. These calculations were done using the maximum gain of the antennas and assuming that all channels are operating concurrently, to provide a "worst case" scenario.

Power Density Parameters		
Transmit Power (3 Channels)	216	W
Transmit Power (dBm)	53.34	dBm
Cable Type	VXL7-50 (1 5/8")	
Cable Length (ft)	180	ft
Cable Loss/100ft	1.13	dB/100ft
Main Feeder Loss	2.03	dB
Jumper	VXL5-50 (7/8")	
Jumper Loss	0.2412	dB
Connectors' Loss	0.6	dB
Splitter Loss	0	dB
Power Into Antenna	111.41	W
Antenna Gain	15	dBd
EIRP (dBm)	67.67	dBm
EIRP (3 Channels)	5847.01	W

Calculations	Distance (feet)	Distance (meters)	Angle of Radiation	Vertical Gain (dB)	EIRP (dBm)	EIRP (W)	Power Density (mW/cm ²)
Northcoast calculations at the bottom of the tower.	100.0049	30.48932	89.42706	15	56.365	433.11	0.009491467
Total %MPE of all carriers at the bottom of the tower.	12.9%						

The resulting power density from the above calculations is 0.009491467 mW/cm². These results indicate calculation levels not exceeding 1% for Northcoast and 13% total (all carriers on tower) for the MPE limit of 1 mW/cm² for the general population.

Northcoast Commu

UNMANNED WIRELESS EQUIPME

SPECTRASITE 1069 CONNEC BRIDGEPORT PROJECT SITE NO SITE TYPE: EXIS

PROJECT SUMMARY

SITE NUMBER: 321.383.2.1C
SITE NAME: SPECTRASITE MONOPOLE
SITE ADDRESS: 1069 CONNECTICUT AVE.
BRIDGEPORT, CT 06607

ASSESSOR PARCEL NO.: BLOCK 723, LOT 3A
CURRENT ZONING: I-LI LIGHT INDUSTRIAL ZONE
ZONING JURISDICTION: CITY OF BRIDGEPORT

PROPERTY OWNER: AMERICAN FABRICS CO.
ADDRESS: 1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

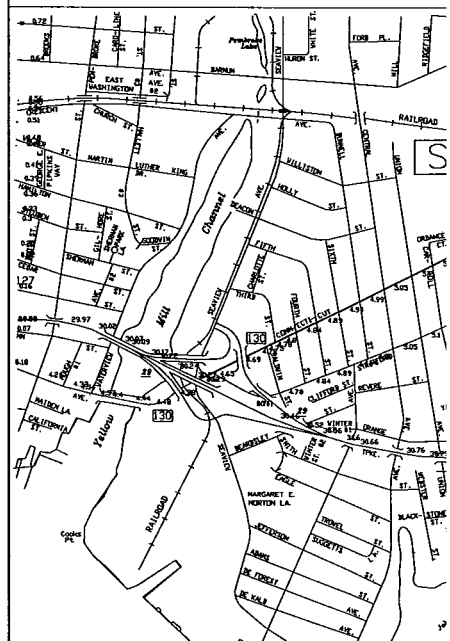
APPLICANT/LESSEE: NORTHCOAST COMMUNICATIONS, LLC
ADDRESS: 80 BAYLIS ROAD, SUITE 201
MELVILLE, NEW YORK 11747
PHONE: (631) 592-7700

A/E: URS CORPORATION
ADDRESS: 795 BROOK STREET, BLDG. #5
ROCKY HILL, CONNECTICUT 06067
PHONE: (860) 529-8882

EQUIPMENT LOCATION: EXISTING COMPOUND
ANTENNA LOCATION: EXISTING TOWER
LATITUDE: 41-11-01
LONGITUDE: 73-09-29

CONSTRUCTION MANAGER: CHRIS McCARRIER
ADDRESS: PINNACLE SITE DEVELOPMENT INC.
41 SEQUIN DRIVE, 2nd FLOOR
GLASTONBURY, CT 06033
PHONE: (860) 657-1460 EXT. 260

VICINITY MAP



DRIVING DIRECTIONS

- INTERSTATE 91-SOUTH TO 95- SOUTH TO EXIT 31. NORTH
- TAKE LEFT (WEST) ON STRATFORD AVENUE. ROAD BECOMES I
- CONNECTICUT AVE. SPLITS INTO A ONE WAY STREET.
- EXISTING MONOPOLE SITE IS ON THE RIGHT.

Northcoast Communications, LLC

UNMANNED WIRELESS COMMUNICATIONS

EQUIPMENT SITE

SPECTRASITE MONOPOLE

1069 CONNECTICUT AVE

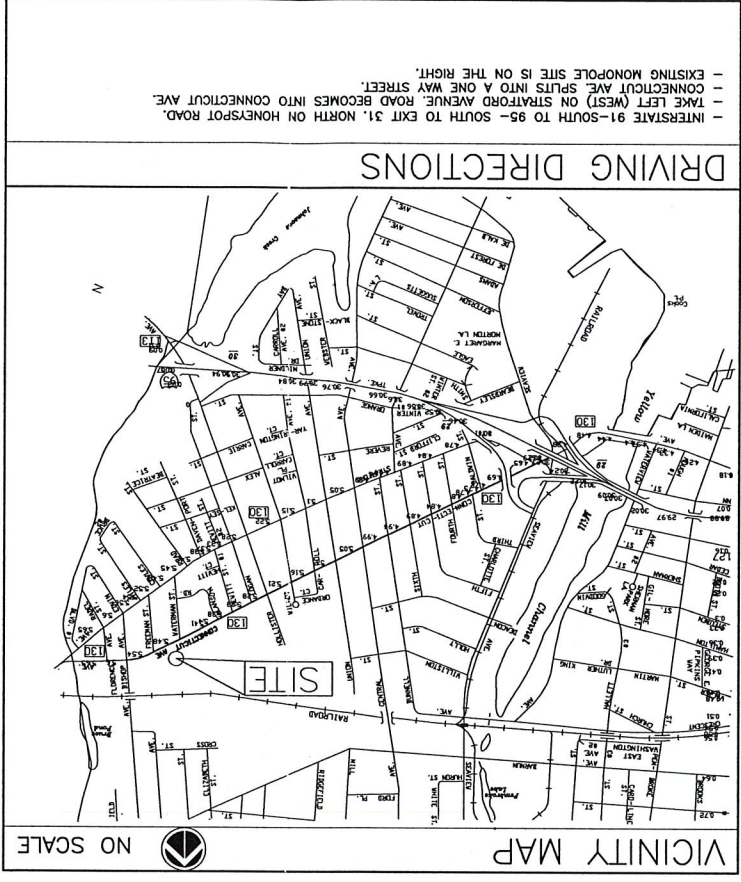
BRIDGEPORT, CT 06607

PROJECT SITE NO. 321.383.2.1C

SITE TYPE: EXISTING TOWER

PROJECT SUMMARY

SITE NUMBER:	321.383.2.1C
SITE NAME:	SPECTRASITE MONOPOLE
SITE ADDRESS:	1069 CONNECTICUT AVE BRIDGEPORT, CT 06607
ASSESSOR PARCEL NO.:	BLOCK 723, LOT 3A
CURRENT ZONING:	I-L LIGHT INDUSTRIAL ZONE
ZONING JURISDICTION:	CITY OF BRIDGEPORT
PROPERTY OWNER:	AMERICAN FABRICS CO. 1069 CONNECTICUT AVENUE BRIDGEPORT, CT 06607
APPLICANT/LESSEE:	80 BAYLIS ROAD, SUITE 201 MELVILLE, NEW YORK 11747 PHONE: (631) 592-7700 A/E: URS CORPORATION 795 BROOK STREET, BLDG. #5 ROCKY HILL, CONNECTICUT 06067 PHONE: (860) 529-8882
EQUIPMENT LOCATION:	EXISTING TOWER
ANTENNA LOCATION:	41-11-01
LATITUDE:	41-11-01
LONGITUDE:	73-09-29
CONSTRUCTION MANAGER:	CHRIS McARRIER PINNACLE SITE DEVELOPMENT INC. 41 SEQUIN DRIVE, 2ND FLOOR GASTONBURY, CT 06033 PHONE: (860) 537-1460 EXT. 260

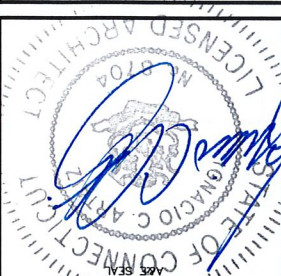


SHEET INDEX

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
Z-1	COMPOUND PLAN
Z-2	TOWER ELEVATION

ZONING TABLE

ITEM	REQ'D	PROPOSED
ZONING DISTRICT: I-L LIGHT INDUSTRIAL ZONE		
MINIMUM LOT AREA	NO LIMIT	NO CHANGE
MINIMUM FRONTAGE	25'-0"	NO CHANGE
MAXIMUM BUILDING HEIGHT	75'-0"	NO CHANGE
MINIMUM BUILDING SETBACK	15'-0"	NO CHANGE
MINIMUM SIDE SETBACK	10'-0"	NO CHANGE
MINIMUM YARD SETBACK	NO LIMIT	NO CHANGE
MAXIMUM FLOOR AREA	NO LIMIT	NO CHANGE
MINIMUM LANDSCAPE AREA	15% OF SITE AREA	NO CHANGE
MAXIMUM BUILDING COVERAGE	85% OF SITE AREA	NO CHANGE



URS
A/E FIRM

URS CORPORATION
795 BROOK STREET
BUILDING 5
ROCKY HILL, CT. 06067
1-(860)-529-8882

80 BAYLIS ROAD
SUITE 201
MELVILLE, NY 11747

Northcoast Communications, LLC

PROJECT NO: F302105.31/F03
DRAWN BY: RR
CHECKED BY: FTI
APPROVED BY:

ISSUED FOR

NO.	DATE	DESCRIPTION
1	12/05/01	CLIENT REVIEW
2	12/27/01	CLIENT REVIEW
3	01/17/02	CLIENT REVIEW
4	01/22/02	ZONING FINAL

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. OTHER THAN THAT WHICH RELATES TO NORTHCOAST COMMUNICATIONS, LLC IS STRICTLY PROHIBITED.

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1069 CONNECTICUT AVE.
BRIDGEPORT, CT 06607

TITLE
SHEET

T-1

Z-1

COMPOUND PLAN

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BRIDGEPORT, CT 06607

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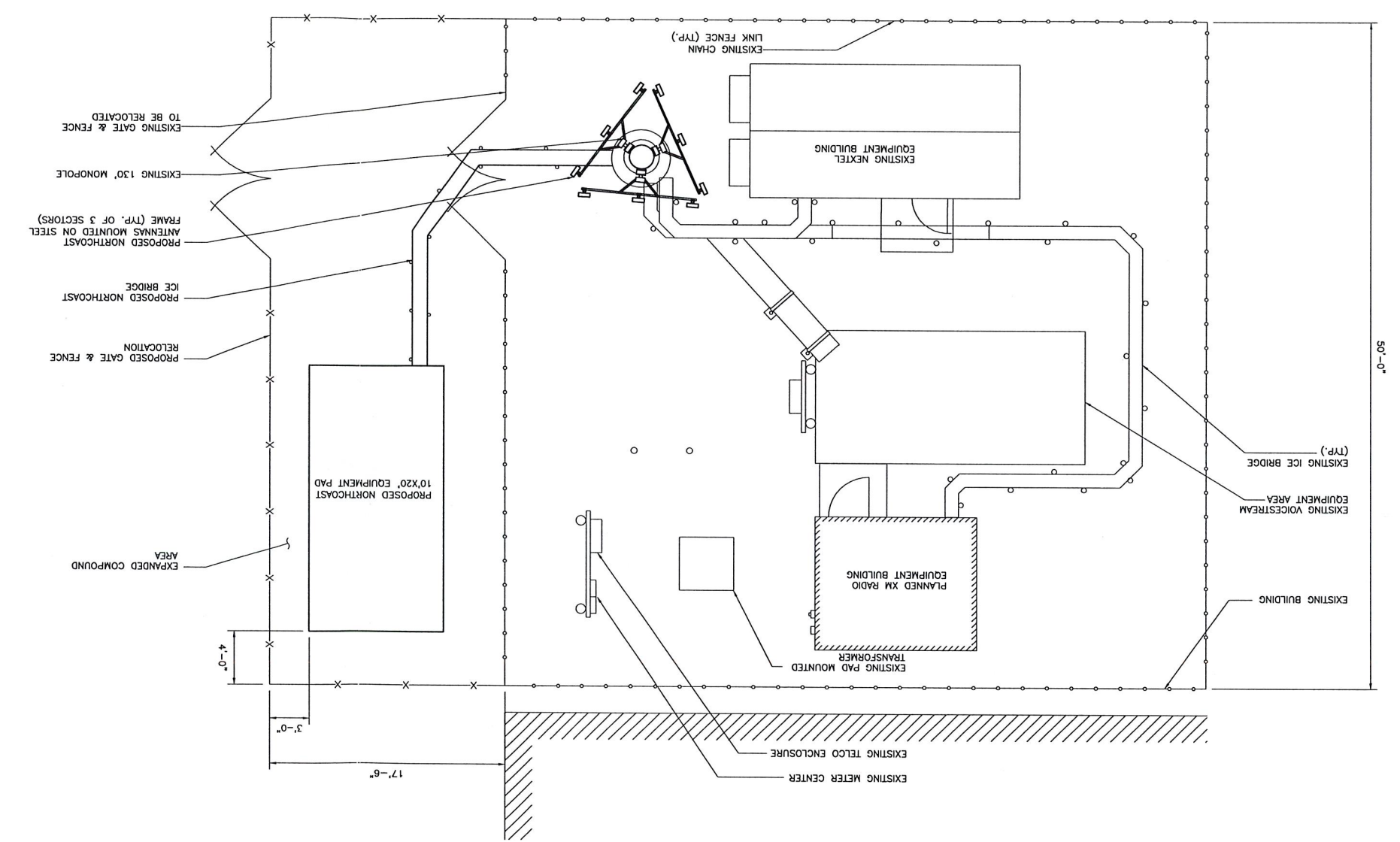
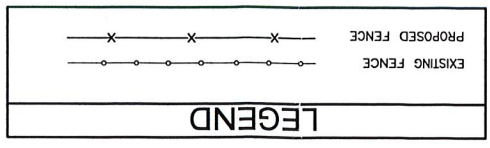
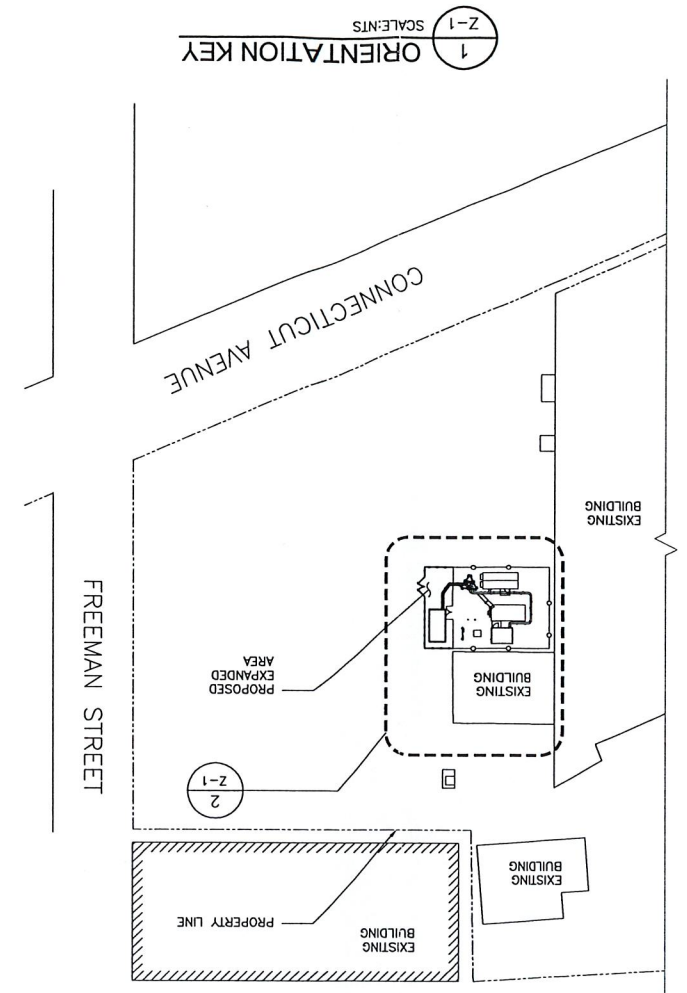
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 LLC



Z-2

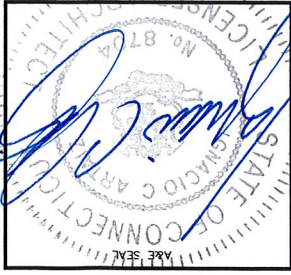
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