



BROWN
RUDNICK
BERLACK
ISRAELS LLP

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

Petition No. 627

Via Hand Delivery

May 7, 2003

Pamela B. Katz, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RECEIVED

MAY - 7 2003

CONNECTICUT
SITING COUNCIL

RE: Petition for Declaratory Ruling

Dear Chairman Katz:


Enclosed please find an original and twenty-five copies of a Petition for Declaratory Ruling that no certificate of environmental compatibility and public need is required for the addition of the Sprint Spectrum L.P. and Omnipoint Facilities Network 2, L.L.C. antennas to the existing Nextel pole at 206 Everett Road in Easton, Connecticut. I also enclose herewith three (3) full-size copies of the site plans to be bulk filed with this Petition for Declaratory Ruling.

Also enclosed you will find a check in the amount of \$500.00 as the filing fee.

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

Enclosures

cc/encls: William J. Kupinse, Jr., First Selectman
Stephen J. Humes, Esquire

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CityPlace I
Hartford, Connecticut 06103
860.509.6500
fax 860.509.6501
www.brownrudnick.com

Boston | Dublin | London | New York | Providence

ORIGINAL

CONNECTICUT SITING COUNCIL

In re:

Petition of Sprint Spectrum, L.P. d/b/a Sprint
PCS and Omnipoint Facilities Network 2,
L.L.C., d/b/a VoiceStream Wireless Corporation
for a Declaratory Ruling That No Certificate of
Environmental Compatibility and Public Need is
Required for the Addition of Sprint PCS' and
VoiceStream's Antennas to an Existing Nextel
Pole Located at 206 Everett Road in Easton,
Connecticut.

P
Petition No. 627

May 7, 2003

RECEIVED

MAY - 7 2003

PETITION FOR DECLARATORY RULING CONNECTICUT
SITING COUNCIL

I. INTRODUCTION

Sprint Spectrum, L.P. d/b/a Sprint PCS ("Sprint") and Omnipoint Facilities Network 2, L.L.C., d/b/a VoiceStream Wireless Corporation ("VoiceStream"), (hereinafter collectively referred to as the "Applicant"), hereby petition the Connecticut Siting Council (the "Council") to issue a declaratory ruling stating that Applicant's proposed modification to the existing Nextel pole at 206 Everett Road in Easton, Connecticut (the "Facility") will not have a "substantial adverse environmental effect in the state" and therefore, does not require a certificate of environmental compatibility and public need pursuant to Conn. Gen. Stat. § 16-50k(a) (the "Petition"). The Applicant is filing this Petition pursuant to Conn. Gen. Stat. § 4-176(a) and Conn. Agencies Regs § 16-50j-39.

On September 25, 2002, Sprint signed a Letter of Authorization ("LOA") with Nextel, the owner of the Facility, to act as the applicant to obtain zoning approval for any permit

required for the use of the Facility. (Exhibit A). On December 31, 2002, the Applicant notified the Town of Easton, as well as the adjacent towns of Monroe and Trumbull, of its intention to modify the existing Facility. (Exhibit B). In response to the Applicant's notice, Attorney Regan received a letter from the Easton First Selectman dated February 21, 2003, together with a copy of a memorandum from the Easton Land Use Director dated January 22, 2003. (Exhibit C).

The Facility is located to the east of Everett Road in a mainly residential area surrounded by large tracts of undeveloped, forested land on a steeply sloping hill. The Facility currently consists of a one hundred twenty-foot (120') monopole (the "Pole") on which Nextel has located a single antenna array at one hundred eighteen feet (118'). The site also consists of an equipment shelter within a compound that is surrounded by a six-foot (6') chain link fence. (Exhibit D = site plan).

Sprint proposes to construct a thirty-eight-foot (38') galvanized steel finish extension to the Pole, making the overall height of the completed structure one hundred fifty-eight feet (158'). Sprint will attach its twelve (12) panel antennas in a three (3) sector array at one-hundred fifty-eight feet (158'). Nextel's antenna will be relocated to have a centerline at one hundred forty-eight feet (148'). VoiceStream will attach its twelve (12) panel antennas in a three (3) sector array at one-hundred thirty-eight feet (138'). Sprint will also attach a global positioning system antenna at sixty-five feet (65'). (Exhibit D).

Both Sprint's and VoiceStream's equipment will sit on their own twenty-foot by ten-foot (20' x 10') concrete pad within the existing fifty-foot by fifty-foot (50' x 50') fenced compound. The Applicant's lease area is within the existing fenced compound. The Applicant's equipment

will be housed in an off-white cabinet that sits on the individual platforms. The tallest equipment shelter measures five feet six inches (5'6"). The equipment cabinet will be covered by an ice canopy and an ice bridge will connect the equipment cabinet and the Pole. Access to the Pole will be via an existing twelve-foot (12') wide access drive. (Exhibit D).

II. DISCUSSION

As demonstrated below, the Applicant's proposed modifications to the Facility will not have a substantial adverse environmental effect.

- *Noise* – No adverse impacts on the surrounding community are anticipated due to any increase in noise. The equipment to be used is of a solid-state nature and will emit negligible amounts of noise during operation. There will be only a brief, minor increase in noise during the construction of the equipment cabinets and the attachment of the antennas.
- *Water Resources* - No adverse impacts on water resources are anticipated as a result of this proposal. No water usage or wastewater discharge is associated with the construction of the equipment cabinet or the mounting of the antennas. In addition, the physical structures will be made of common building materials and will not produce any leachates which are environmentally damaging. No transformers containing poly-chlorinated biphenyls will be used on-site.

In addition, on August 16, 2001, Sprint's environmental consultant, Vanasse Hangen Brustlin, Inc. ("VHB"), completed an on-site wetlands investigation. VHB did not

identify or delineate any wetlands or watercourses within two hundred feet (200') of any of the proposed development activities. As no impact to federal wetlands is associated with Sprint's construction activities, there will be no significant change in surface features in accordance with the National Environmental Policy Act's ("NEPA") categorical exclusion checklist. (VHB's report is attached as Exhibit E).

- *Air* - There will be no adverse environmental impact on air quality because no air pollutants will be generated during Applicant's normal operations.
- *Traffic* – No adverse impacts on the environment are anticipated due to any increase in traffic. 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.
- *Safety* – There will be no adverse impact to the health and safety of the surrounding community or the workers at the Facility due to the addition of Applicant's antennas to the Pole. The total radio frequency exposure measured at the Facility will be well below the National Council on Radiation Protection and Measurements' ("NCRP") standard adopted by the Federal Communications Commission ("FCC"). The worst-case power density analysis for Sprint's antennas, measured at the base of the Pole, indicates that Sprint's antennas will emit 3.20% of the NCRP's standard for maximum permissible exposure. The worst-case power density analysis for VoiceStream's antennas, measured

at the base of the Pole, indicates that VoiceStream's antennas will emit 4.6872% of the NCRP's standard for maximum permissible exposure. Therefore, the Applicant's antennas will be well below the FCC mandated radio frequency exposure limits in all locations around the Pole, even with extremely conservative assumptions. (The worst case power density analysis with regard to Sprint's antennas is attached as Exhibit F and the worst case power density analysis with regard to VoiceStream's antennas is attached as Exhibit G).

- *Visual* – Provided as Exhibit H is a Visual Resource Evaluation Report which shows photo simulations of the existing site with views taken from: (i) Everett Road, looking southeast; (ii) Everett Road at the subject property, looking east; (iii) Fox Run Drive, looking southwest; (iv) Sherwood Drive, looking southeast; (v) North Park Avenue, looking northeast; (vi) North Park Avenue, looking northeast; and (vii) Rock House Road, looking southeast. These photo simulations show the structure at a height of one hundred-fifty-eight feet (158'). Given the forested area surrounding the Pole and the fact that the Pole sits on the side of a hill, clearly, the addition of Sprint's antennas will not create an adverse visual impact on the surrounding community.
- *Cultural* - There are no known historic, architectural, recreational or culturally significant sites located in the vicinity of the Facility. A NEPA report is attached as Exhibit E.

In addition, the overall impact to the Town of Easton and the surrounding communities will be decreased with the siting of Sprint's and VoiceStream's antennas on this Facility versus

the erection of separate towers in Easton. Moreover, the Applicant will be enhancing the communication needs of the citizens of the community by improving Sprint's and VoiceStream's service in this area. This site has been designed to provide coverage to Route 59 in Easton and to areas which are comprised of residential and commercial properties.

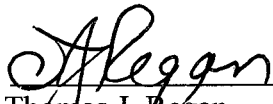
Specifically, this modification will provide approximately two and eight tenths (2.8) miles of coverage along Route 59 and the surrounding areas. Provided as Exhibit I are two coverage plots. The first coverage plot demonstrates Sprint's existing coverage in the area. The second plot demonstrates the coverage from the proposed Facility. For both plots, areas in white indicate inadequate coverage. The standard used for both plots was -94 dBm.

III. CONCLUSION

The Applicant has clearly shown that the addition of its antennas to the Pole will not have a "substantial adverse environmental effect." As discussed above, this modification will not increase noise pollution, will have little or no impact on air and water quality, will not significantly increase traffic flow, will not present any safety issues and will not be an eye sore to the surrounding community. Moreover, no historic, architectural, recreational or cultural resources will be impacted.

Based on the foregoing, the Applicant respectfully submits that its proposed modifications will not have a "substantial adverse environmental effect in the state" and, therefore, do not require a certificate of environmental compatibility and public need pursuant to Conn. Gen. Stat. § 16-50k(a).

Sprint Spectrum, L.P., d/b/a Sprint PCS
Omnipoint Facilities Network 2, L.L.C., d/b/a
VoiceStream Wireless Corporation

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

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Nextel Communications
100 Corporate Place
Rocky Hill, CT 06067

September 25, 2002

Sprint Spectrum L.P.
4900 Main Street, 5th Floor
Kansas City, MO 64112

RE: 206 Everett Road, Easton, CT

Dear Sprint:

Please be advised that Sprint Spectrum L.P. is hereby authorized to act as applicant to file with the Town of Easton for the necessary approvals and permits required for installation and extension of the above mentioned site.

Authorization to act as Applicant

I, Steve Crotty, Director of the NY North Market of Nextel Communications representing Nextel Communications, Inc. (property owner) authorize Sprint Spectrum L.P. to act as applicant, representing us before the County of Fairfield, Connecticut (governing jurisdiction) to obtain zoning approval for any permit required for zoning compliance. Nevertheless, Sprint Spectrum L.P. shall not be authorized to make any concessions or commitments to Easton, Connecticut that may affect the operations or future leasing opportunities of Nextel Communications beyond what is shown on the preliminary site plan dated October 1, 2001, for site CT0912, without obtaining the prior approval and consent of Nextel Communications, Inc. a division of Nextel of the Mid-Atlantic.

Should you have any questions please do not hesitate to contact Diane Gates-Dulka at 860-883-5719.

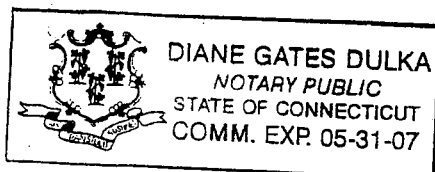
Steve Crotty
Director NY North Market

Date

9/25/02

Signature

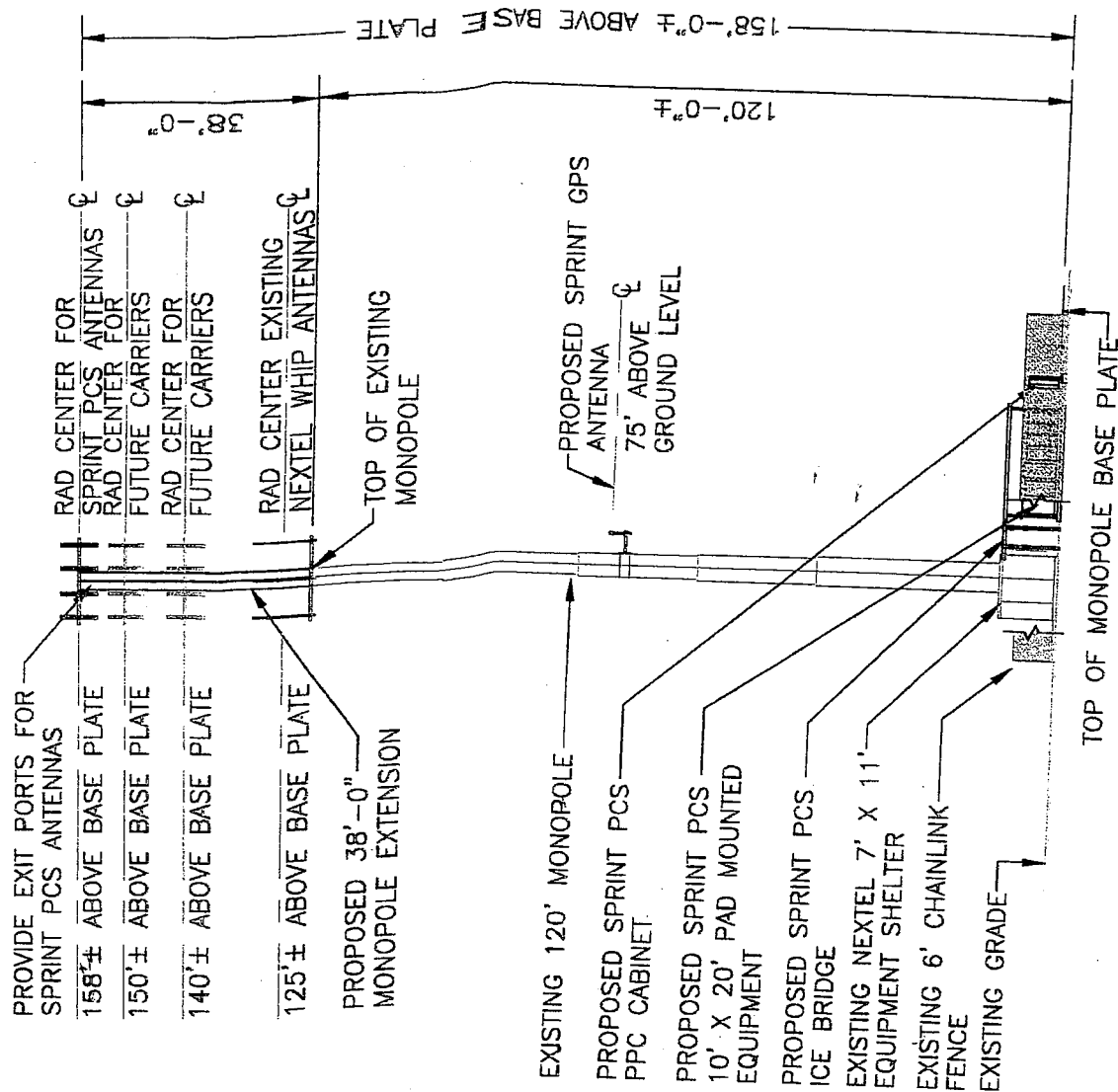
Sworn and subscribed before me this 25th day of September, 2002



Diane Gates Dulka

LEASE EXHIBIT

THE LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE WIRELESS COMMUNICATION FACILITY.



1 TOWER ELEVATION

SCALE: 1" = 30'-0"

Natcomm, LLC
208 EVERETT ROAD
EASTON, CONNECTICUT 06612
TEL: 860.342.1234
FAX: 860.342.1235
www.natcomm.com

EASTON

208 EVERETT ROAD
EASTON, CONNECTICUT 06612

SITE NO. : CT03XC362-01

Sprint Spectrum LP

1 International Blvd., Suite 800
Metuchen, NJ 07485

OWNER APPROVAL

DATE: _____
BY: _____
TITLE: _____

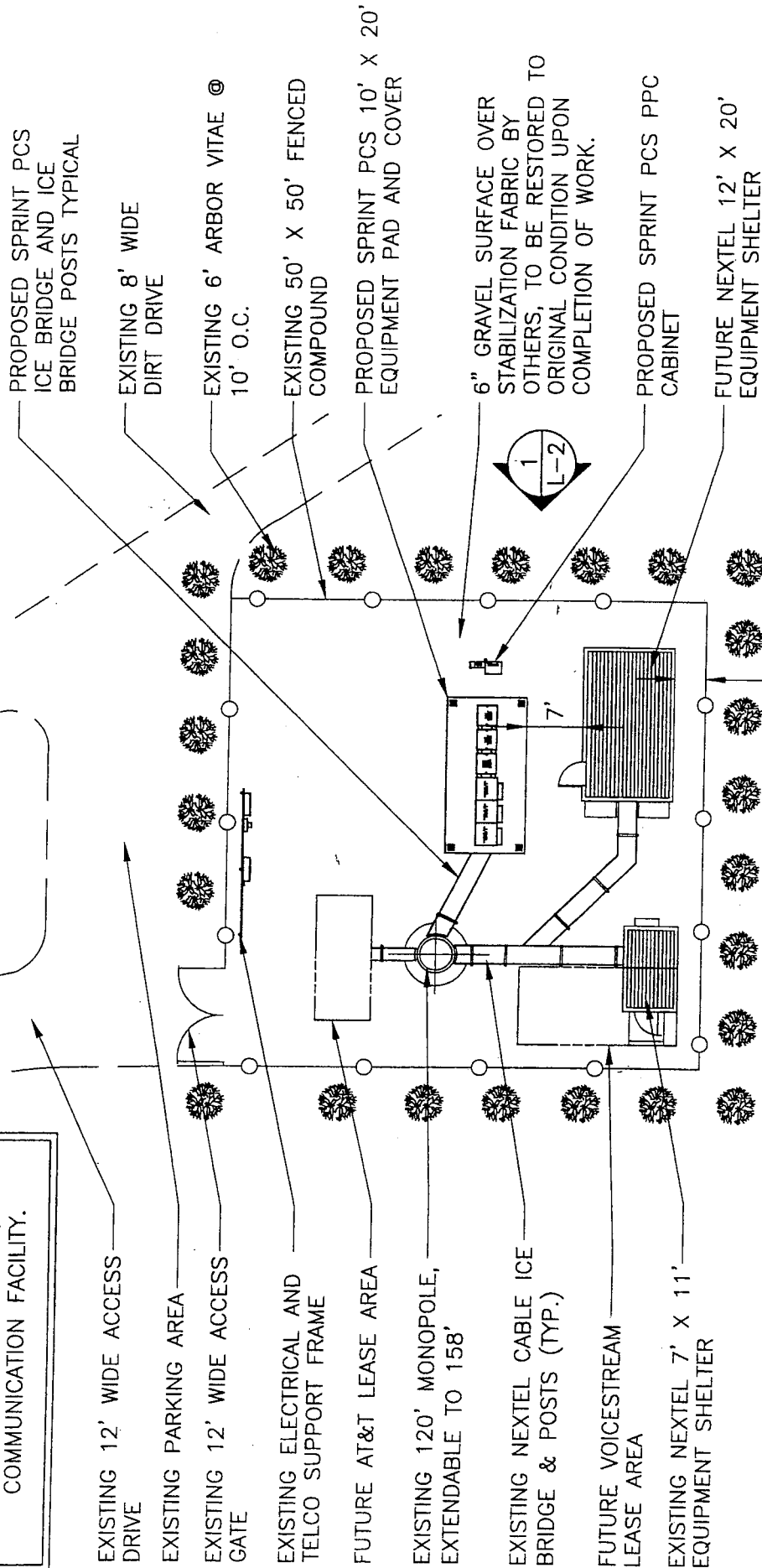
Sprint Spectrum LP

LEASE EXHIBIT

DATE: 4/24/14
SHEET NUMBER: 0

LEASE EXHIBIT

THE LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE WIRELESS COMMUNICATION FACILITY.



1. COMPOUND PLAN

SCALE: 1" = 20'-0"

*OK M.D. RFO 7/24/04
OK BE CW 7/26/04*

| | | | | | | | | | |
|--|--|--|--|---|--|---|--|---|--|
| Netcom, LLC 833 North Broadway Blvd. Newark, Connecticut 07102 Tel: (203) 449-0080 Fax: (203) 449-0077 <small>Consulting Engineers & Surveyors Civil & Structural Engineering</small> | | EASTON 200 BURETT ROAD EASTON, CONNECTICUT 06022 SITE NO. 1 CT03XC362-01 | | Sprint Spectrum LP 1 International Blvd., Suite 300 Mahwah, NJ 07495 | | OWNER APPROVAL NAME: _____ TITLE: _____ DATE: _____ | | LEASE EXHIBIT JOB NO. 433A DRAWING NUMBER L-1 SHEET 5 | |
|--|--|--|--|---|--|---|--|---|--|

BR BROWN
BI RUDNICK
BERLACK
ISRAELS LLP

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

FILE COPY

Via FedEx

December 31, 2002

William J. Kupinse, Jr., First Selectman
Town of Easton
Town Hall
225 Center Road
Easton, CT 06612-1398

RE: Pre-application Filing for Sprint Spectrum LP and Voicestream Wireless Corporation Proposed Wireless Communications Facility - Sprint Spectrum LP and Voicestream Wireless Corporation, Applicant For Property on 206 Everett Road, Easton, Connecticut (Nextel, Pole Owner- Barney, Property Owner)

Dear First Selectman Kupinse:

In satisfaction of Connecticut General Statutes Section 16-50l(e), enclosed please find four (4) copies of the above-referenced document prepared for Sprint Spectrum LP and Voicestream Wireless Corporation (collectively, the "Applicant") in anticipation of its filing of an "Application for Certificate of Environmental Compatibility and Public Need" for the construction, maintenance and operation of facilities to provide wireless service in the Easton area. The Applicant is proposing a forty foot (40') height extension to the existing facility on the site.

The information contained herein has been prepared in concert with the requirements of the revised Connecticut Siting Council Application Guide for Community Antenna Television and Telecommunications Facilities. Included in this filing are technical reports concerning the public need, the site selection process, and the environmental effects of the proposed modification to the facility.

Please recognize that after an extensive search, we have identified the property as outlined in the attached documents as the potential candidate for the location of a wireless

CityPlace I
Hartford, Connecticut 06103
860.509.6500
fax 860.509.6501
www.brownrudnick.com

Boston | Dublin | London | New York | Providence



William J. Kupinse, Jr., First Selectman
December 31, 2002
Page 2


telecommunications facility for the Applicant. We are seeking your input concerning our proposed modification of this facility.

As you are aware, the municipality may conduct public hearings and meetings as it deems necessary for it to advise the Applicant of its recommendations concerning the proposed facility. We are available, at your discretion, to meet with you and other parties to review the proposed facility and application. Please note that the municipality must issue its recommendations to us within sixty (60) days of the consultation and receipt of this filing.

If you have any questions, please do not hesitate to contact the undersigned directly.

Very truly yours,

BROWN RUDNICK BERLACK ISRAELS LLP

By: 
Thomas J. Regan

TJR/bh
Enclosures

cc/encls: Phillip A. Doremus, Zoning Enforcement Officer

Via FedEx

December 31, 2002

Andrew J. Nunn, First Selectman
Town of Monroe
Town Hall
7 Fan Hill Road
Monroe, CT 06468

RE: Pre-application Filing for Sprint Spectrum LP and Voicestream Wireless Corporation Proposed Wireless Communications Facility - Sprint Spectrum LP and Voicestream Wireless Corporation, Applicant For Property on 206 Everett Road, Easton, Connecticut (Nextel, Pole Owner-Barney, Property Owner)

Dear Selectman Nunn:

In satisfaction of Connecticut General Statutes Section 16-501(e), enclosed please find four (4) copies of the above-referenced document prepared for Sprint Spectrum LP and Voicestream Wireless Corporation (collectively the "Applicant") in anticipation of its filing of an "Application for Certificate of Environmental Compatibility and Public Need" for the construction, maintenance and operation of facilities to provide wireless service in the Easton area. The Applicant is proposing a forty foot (40') height extension to the existing facility on the site.

Section 16-501(e) states, in part, "At least 60 days prior to the filing of any application with the Council, the applicant shall consult with the municipality in which the facility may be located and with any adjoining municipality having a boundary not more than 2500 feet from such facility ...". As the Town of Monroe may be within 2500 feet from the proposed facility, this pre-application package is being transmitted to the Town of Monroe for its review.



Andrew J. Nunn, First Selectman
December 31, 2002
Page 2

The information contained herein has been prepared in concert with the requirements of the revised Connecticut Siting Council Application Guide for Community Antenna Television and Telecommunications Facilities. Included in this filing are technical reports concerning the public need, the site selection process, and the environmental effects of the proposed modification to the facility.


Please recognize that after an extensive search, we have identified the property as outlined in the attached documents as the potential candidate for the location of a wireless telecommunications facility for the Applicant. We are seeking your input concerning our proposed modification of this facility.

As you are aware, the municipality may conduct public hearings and meetings as it deems necessary for it to advise the Applicant of its recommendations concerning the proposed facility. We are available, at your discretion, to meet with you and other parties to review the proposed facility and application. Please note that the municipality must issue its recommendations to us within sixty (60) days of the consultation and receipt of this filing.

If you have any questions, please do not hesitate to contact the undersigned directly.

Very truly yours,

BROWN RUDNICK BERLACK ISRAELS LLP

By: 
Thomas J. Regan

TJR/bh
Enclosures
cc/encls: Daniel A. Tuba, Town Planner

Via FedEx

December 31, 2002

Raymond G. Baldwin, Jr., First Selectman
Town of Trumbull
Town Hall
5866 Main Street
Trumbull, CT 06611-3193

RE: Pre-application Filing for Sprint Spectrum LP and Voicestream Wireless Corporation Proposed Wireless Communications Facility - Sprint Spectrum LP and Voicestream Wireless Corporation, Applicant For Property on 206 Everett Road, Easton, Connecticut (Nextel, Pole Owner-Barney, Property Owner)

Dear Selectman Baldwin:

In satisfaction of Connecticut General Statutes Section 16-501(e), enclosed please find four (4) copies of the above-referenced document prepared for Sprint Spectrum LP and Voicestream Wireless Corporation (collectively the "Applicant") in anticipation of its filing of an "Application for Certificate of Environmental Compatibility and Public Need" for the construction, maintenance and operation of facilities to provide wireless service in the Easton area. The Applicant is proposing a forty foot (40') height extension to the existing facility on the site.

Section 16-501(e) states, in part, "At least 60 days prior to the filing of any application with the Council, the applicant shall consult with the municipality in which the facility may be located and with any adjoining municipality having a boundary not more than 2500 feet from such facility ...". As the Town of Trumbull may be within 2500 feet from the proposed facility, this pre-application package is being transmitted to the Town of Trumbull for its review.



Raymond G. Baldwin, Jr., First Selectman
December 31, 2002
Page 2

The information contained herein has been prepared in concert with the requirements of the revised Connecticut Siting Council Application Guide for Community Antenna Television and Telecommunications Facilities. Included in this filing are technical reports concerning the public need, the site selection process, and the environmental effects of the proposed modification to the facility.

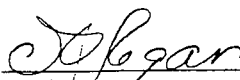
Please recognize that after an extensive search, we have identified the property as outlined in the attached documents as the potential candidate for the location of a wireless telecommunications facility for the Applicant. We are seeking your input concerning our proposed modification of this facility.

As you are aware, the municipality may conduct public hearings and meetings as it deems necessary for it to advise the Applicant of its recommendations concerning the proposed facility. We are available, at your discretion, to meet with you and other parties to review the proposed facility and application. Please note that the municipality must issue its recommendations to us within sixty (60) days of the consultation and receipt of this filing.

If you have any questions, please do not hesitate to contact the undersigned directly.

Very truly yours,

BROWN RUDNICK BERLACK ISRAELS LLP

By: 
Thomas J. Regan

TJR/bh
Enclosures
cc/encls: Harry Eberhart, Zoning Enforcement Officer



Town of Easton

TOWN HALL - 225 CENTER ROAD, P.O. BOX 61
EASTON, CONNECTICUT 06612

TELEPHONE (203) 268-6291
FAX (203) 268-4928

February 21, 2002

Brown, Rudnick, Berlack, Israels, LLP
CityPlace 1
Hartford, Connecticut 06103

Attention: Thomas J. Regan, Esq.

Dear Mr. Regan:

I am following up on our telephone conversations with respect to your pre-filing with respect to the modifications for the site at 206 Everett Road.

As you know, we do not agree that a letter starts the running of the sixty day period required by Section 16-501(e) of the Connecticut General Statutes. On the other hand, we have agreed that in this case only, because the facility is already existing and the modifications were already contemplated, that a consultation is not required and that you may deem the sixty day period to run from the date of your letter of December 31, 2002.

A public hearing or meeting will not be held.

I have enclosed a copy of a memorandum to me from John Hayes, Land Use Director dated January 22, 2003 together with a copy of the Planning and Zoning Commission letter of November 22, 1999 referred to in that memorandum.

Sincerely yours,

William J. Kupinse, Jr.
First Selectman

Cc: Planning and Zoning Commission
Conservation Commission
John L. Johnston
Emmett Wallace



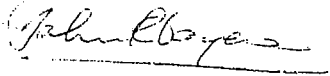
EASTON PLANNING & ZONING COMMISSION

225 CENTER ROAD
EASTON, CT., 06612

TO: William J. Kupinse, Jr., First Selectman

RE: Pre-application Filing for Sprint Spectrum LP and
Voicestream Wireless Corporation, Proposed Wireless
Communications Facility, 206 Everett Road

DATE: January 22, 2003

FROM: John Hayes, Land Use Director 

In response to your January 8 memorandum to the Planning and Zoning Commission I have reviewed the Commission file on the Nextel Tower and find that the amended Special Permit Plan, as revised 1/7/00, provided for a forty (40) foot "future expansion" for three additional carriers at the top of the 120' tower. This addition of height to the tower was required by the Commission in its letter of November 22, 1999 (copy attached).

In view of this finding I have discussed your question about the desirability of a public hearing with Rob Maquat and we have agreed that such hearing would seem to be unnecessary in view of the permission already granted to Nextel under the existing Special Permit. If you have any further questions, please let us know.

JH:ma

Attch.

cc: Robert Maquat, Chairman
Planning and Zoning Commission



Town of Easton

TOWN HALL - PLANNING & ZONING
225 CENTER ROAD
EASTON, CONNECTICUT 06612

Certified Mail
Receipt #Z540102248

TELEPHONE 268-6291

November 22, 1999

NEXTEL COMMUNICATIONS OF THE
MID-ATLANTIC d/b/a NEXTEL COMMUNICATIONS
100 Corporate Place
Rocky Hill, Connecticut 06067

Attention: T. L. Rossie

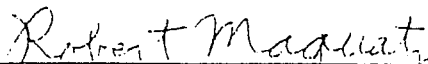
Re: Z-99-1704, Zoning Permit for 7'2" x 11'2" unmanned prefabricated
equipment shelter; 120' four carrier monopole.

Dear Ms. Rossie:

In response to your application for the referenced zoning permit, the Planning and Zoning Commission finds that the application does not comport with the intent Nextel expressed in the public hearing closed August 9, 1999. That intent was that the pole structure could be constructed to accommodate three additional carriers above the 120 ft. level to a maximum of 160 feet or greater.

The structure shown in your drawings T-1, S-1, E-1 and E-2, revision date November 2, 1999, does not provide for any carriers to be installed above 120 ft., and there is no additional information to support a finding that the structure could support any additional carrier above the height of 120 ft. Therefore, this application is deficient and we ask you to withdraw it and resubmit it with the appropriate information showing provision for three carriers above the 120 ft. level.

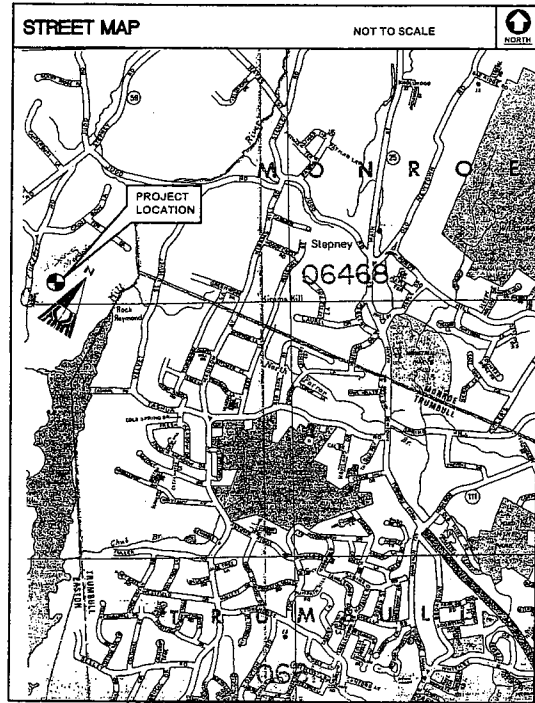
PLANNING AND ZONING COMMISSION


Robert Maquat, Acting Chairman

RM:ma



WIRELESS COMMUNICATIONS FACILITY
SITE No.: CT03XC362
EASTON
206 EVERETT RD.
EASTON, CONNECTICUT

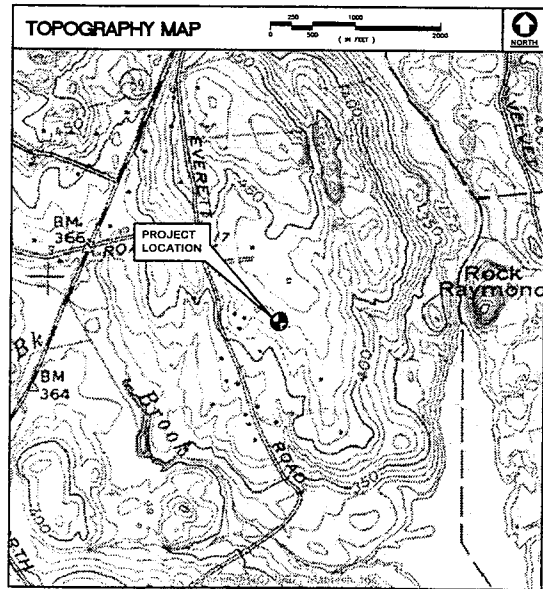


PROJECT SUMMARY

SITE NAME: EASTON
SITE NUMBER: CT03XC362
SITE ADDRESS: 206 EVERETT RD.
EASTON, CONNECTICUT
PROPERTY OWNER: AL BARNEY
206 EVERETT RD.
EASTON, CONNECTICUT
TENANT: SPRINT SPECTRUM LP
1 INTERNATIONAL BLVD.-SUITE 300
MAHWAH, NJ 07495
CENTER OF TOWER: LATITUDE: 41° 17' 25.22"
LONGITUDE: 73° 16' 57.63"
GROUND ELEVATION: 429 FT.± AMSL
COORDINATES ARE BASED ON FAA 2-C SURVEY CERTIFICATION
BY: MARTINEZ COUCH ASSOCIATES LLC
DATED: 10/12/01.

SITE DIRECTIONS FROM: MAHWAH, NEW JERSEY TO: EVERETT RD, EASTON, CT.
TAKE I-287E/CROSS WESTCHESTER EXPRESSWAY EXIT# 8 TOWARDS WHITE PLAINS. TAKE THE I-95N EXIT ON LEFT. NEW ENGLAND THRUWAY BECOMES I-95N. TAKE EXIT# 15 TOWARDS NORWALK. TAKE EXIT#2. TURN LEFT ON TO NEW CANAAN AVE. TURN LEFT ON TO MAIN ST. TAKE THE CT-15N RAMP TOWARDS NEW HAVEN. MERGE ON TO CT-15N/MERRITT PARKWAY. TAKE EXIT# 46 TOWARDS FAIRFIELD. TURN RIGHT ON TO JEFFERSON ST. TURN RIGHT ON TO EASTON TURNPIKE/CT-59. TURN RIGHT ON TO STEPNEY RD. TURN RIGHT ON TO SHERWOOD RD. TURN RIGHT ON TO EVERETT RD.

- GENERAL NOTES**
1. THE SCOPE OF WORK TO INCLUDE CONSTRUCTION OF A 20'-0" X 10'-0" CONCRETE PAD WITH PCS EQUIPMENT & (12) TWELVE PLATFORM MOUNTED DIRECTIONAL PANEL ANTENNAS MOUNTED TO A 38 FOOT EXTENSION.
 2. THIS WIRELESS COMMUNICATIONS FACILITY IS NOT INTENDED FOR PERMANENT OCCUPANCY AND THEREFORE DOES NOT REQUIRE POTABLE WATER, SANITARY SEWERS AND ADDITIONAL SITE PARKING.
 3. THIS FACILITY SHALL BE VISITED ON THE AVERAGE OF ONCE A MONTH FOR PERIODIC MAINTENANCE.
 4. ELECTRICAL AND TELCO SERVICES WILL BE RUN UNDERGROUND FROM THE EXISTING UTILITY BACKBOARD.
 5. NO SIGNS OR LIGHTING SHALL BE ADDED UNLESS REQUIRED BY FAA AND FCC.
 6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF SPRINT SPECTRUM (SSLP) "STANDARD CONSTRUCTION SPECIFICATIONS" IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATIONS AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN. IN CASE OF A CONFLICT BETWEEN SSLP STANDARD PRACTICES AND EITHER THE CONSTRUCTION SPECIFICATIONS OR THE DRAWINGS, THE SSLP STANDARD PRACTICES SHALL GOVERN.
 7. SITE LAYOUT INFORMATION TAKEN FROM DRAWING TITLED "SITE DETAIL PLAN & DETAILS" BY: TECTONIC ENGINEERING CONSULTANTS DATED: 04/16/99
 8. THE MONOPOLE STRUCTURE SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE ANSI TIA/EIA 222-F (JUNE 1996) TITLED STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES. IT SHALL ALSO MEET OR EXCEED THE REQUIREMENTS OF THE BOCA NATIONAL BUILDING CODE, AND THE MANUAL OF STEEL CONSTRUCTION ASD NINTH EDITION BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION. FURTHERMORE, THE FOUNDATION AND ANCHOR BOLTS MEET THE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-95). THE POLE STRUCTURE SHALL BE DESIGNED TO MEET THE PROVISIONS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS (A.S.C.E.) DESIGN OF STEEL TRANSMISSION POLE STRUCTURES WHICH WAS ORIGINALLY PUBLISHED IN 1973 AND MOST RECENTLY UPDATED IN 1990.



| SHEET INDEX | | |
|-------------|---------------------------|------|
| SHT. NO. | DESCRIPTION | REV. |
| T-1 | TITLE SHEET | 2 |
| C-1 | COMPOUND PLAN & ELEVATION | 2 |

| LEGEND | |
|--------|-----------------------------------|
| SYMBOL | DESCRIPTION |
| | SECTION OR DETAIL NUMBER |
| | SHEET WHERE DETAIL/SECTION OCCURS |
| | ELEVATION NUMBER |
| | SHEET WHERE ELEVATION OCCURS |

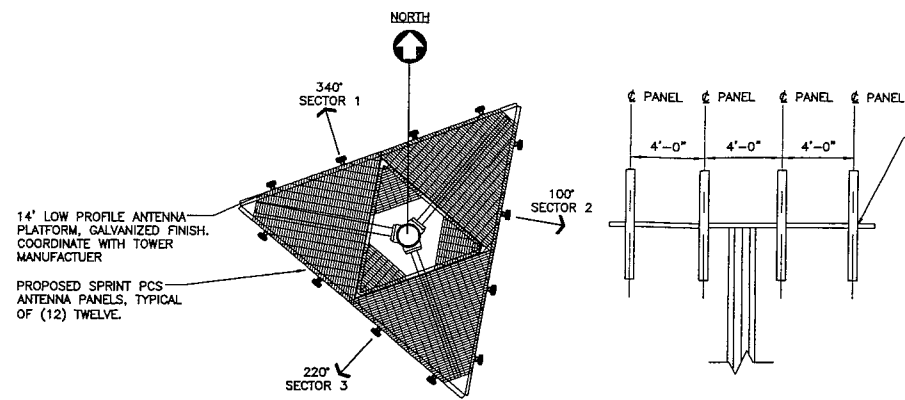
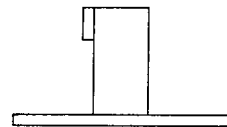
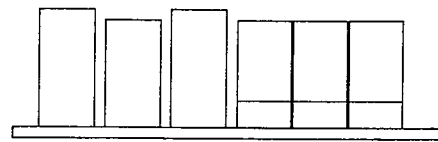
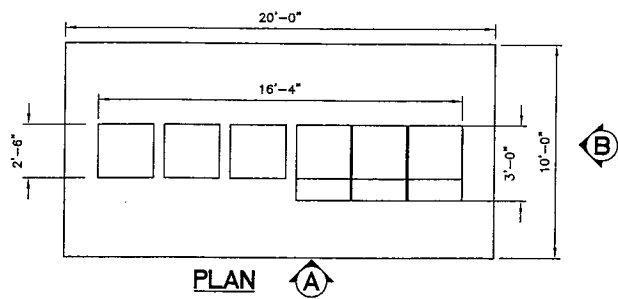
Natcomm, LLC
63-2 North Branford Road
Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-8587
Consulting Engineers - Project Management
Civil - Structural - Mechanical - Electrical

EASTON
206 EVERETT RD.
EASTON, CONNECTICUT
SITE NO. : CT03XC362

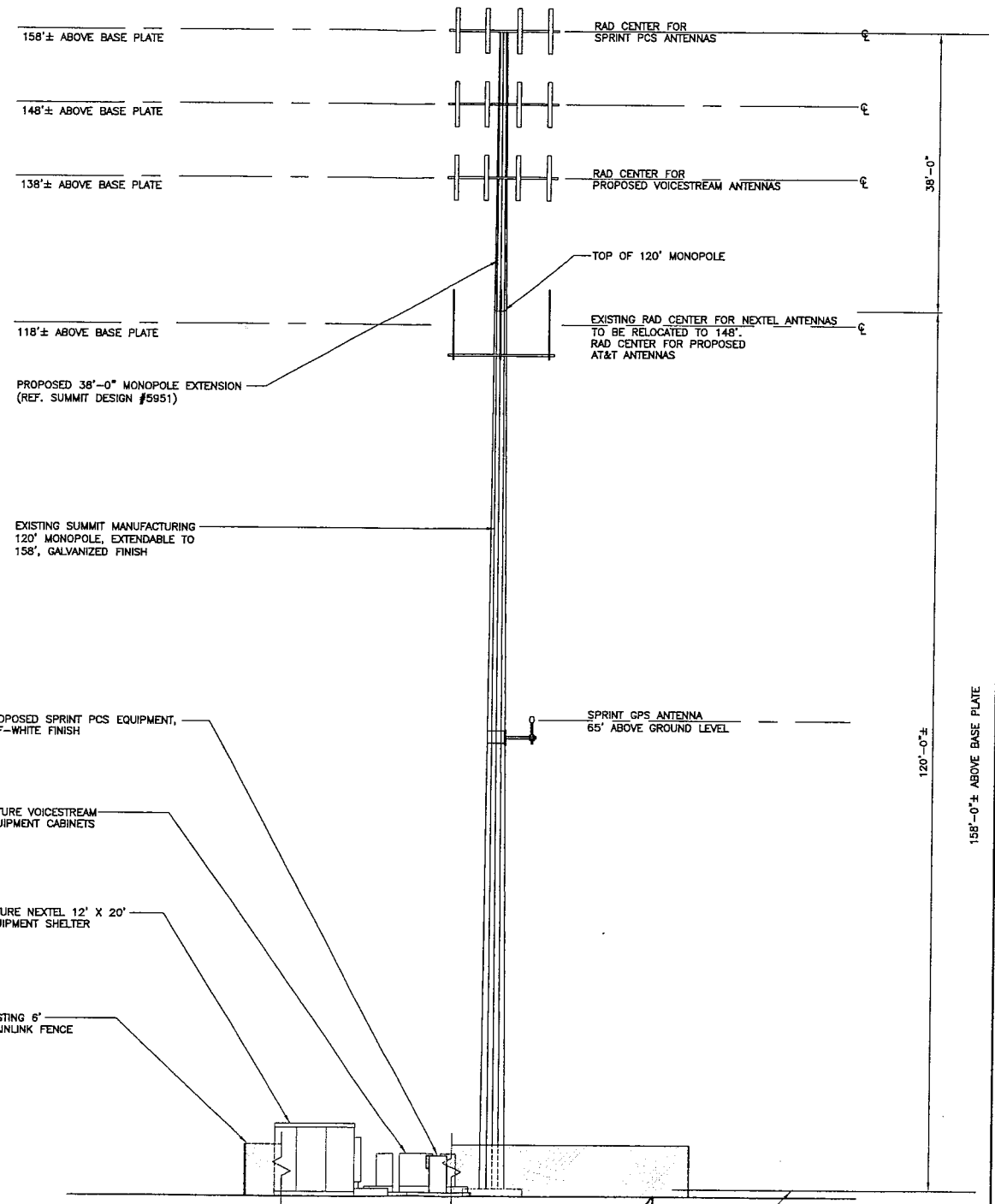
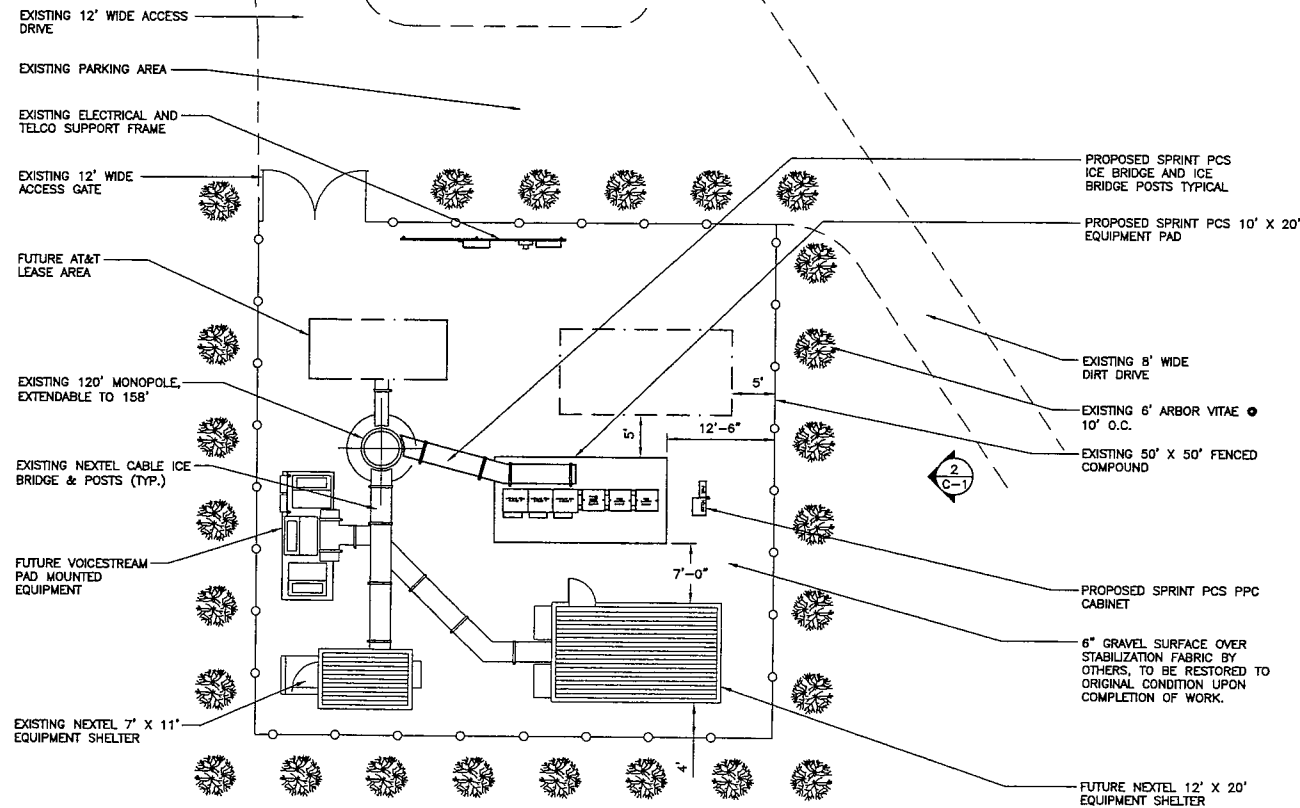
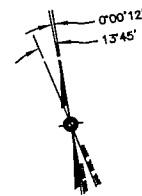
Sprint Spectrum LP
1 International Blvd. ~ Suite 300
Mahwah, NJ 07495

| | | | | |
|---------------|----------------------------------|-----------------|----------------|------|
| 11/18/02 | REVISED FOR SITING COUNCIL | CMS | 43 | CFC |
| 09/24/02 | ISSUED FOR SITING COUNCIL | JBA | JBY | JBY |
| 11/01/01 | ISSUED FOR SITING COUNCIL REVIEW | DFB | FJT | DFB |
| NO. | DATE | REVISIONS | BY | CHK |
| 1 | 10/10/01 | SCALE: AS NOTED | DATE: 10/10/01 | |
| DRAWN BY: DFB | CHECKED BY: FJT | SCALE: AS NOTED | DATE: 10/10/01 | |
| JOB NO. | 433A | DRAWING NUMBER | T-1 | REV. |
| | | | | 2 |

Sprint Spectrum LP
TITLE SHEET



4 ORTHOGRAPHIC EQUIPMENT PLAN
C-1 NOT TO SCALE



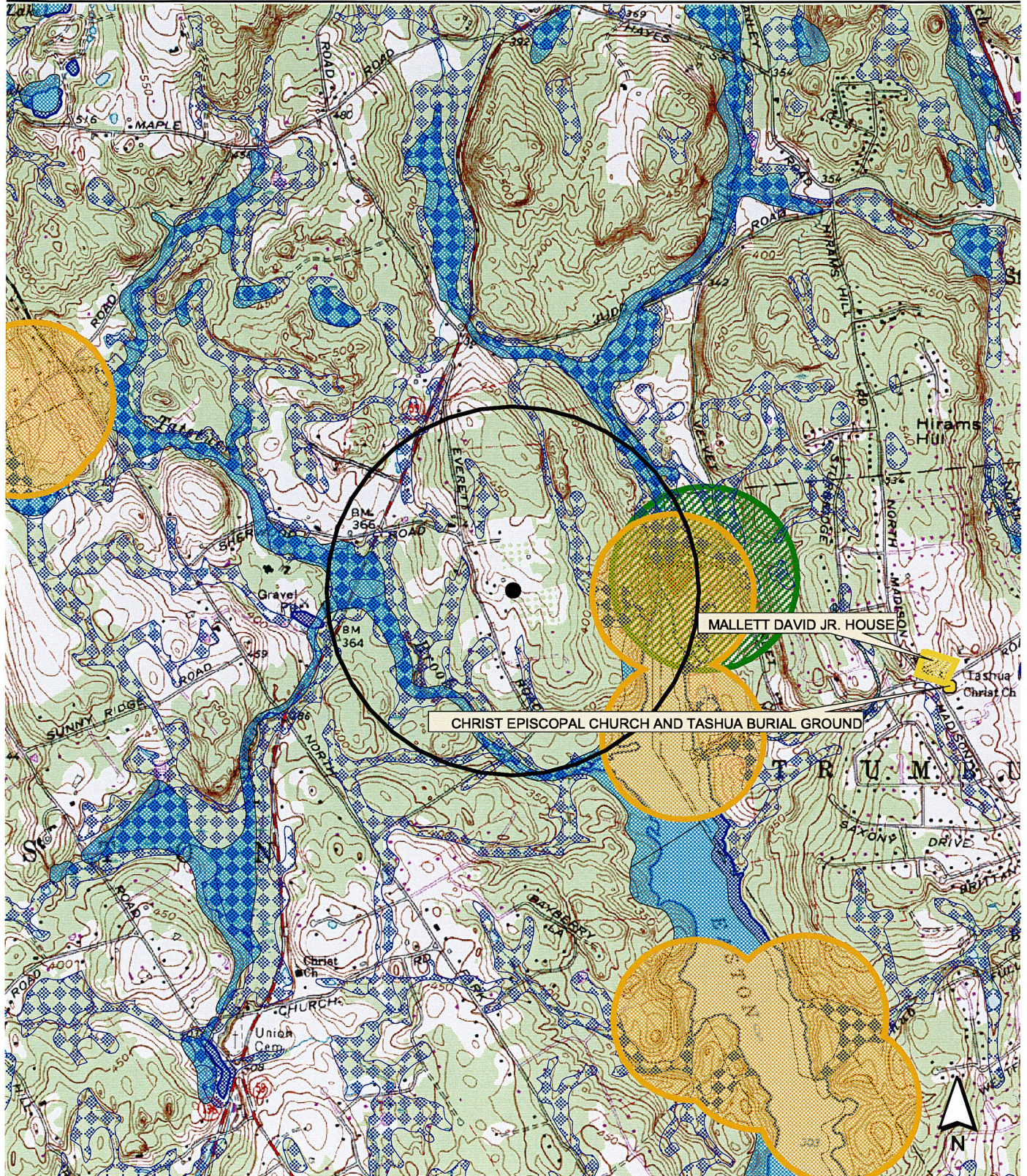
Natcomm, LLC
63-2 North Branford Road
Branford, Connecticut 06405
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Fax: (203) 488-8587
Consulting Engineers - Project Management
Civil - Structural - Mechanical - Electrical

EASTON
206 EVERETT RD.
EASTON, CONNECTICUT
SITE NO.: CT03XC362

Sprint Spectrum LP
1 International Blvd. ~ Suite 300
Mahwah, NJ 07495

| NO. | DATE | REVISIONS | BY | CHK | APPV. |
|-----|----------|----------------------------------|-----|-----|-------|
| 1 | 11/18/02 | REVISED FOR SITING COUNCIL | CMS | JJP | CFC |
| 2 | 09/24/02 | ISSUED FOR SITING COUNCIL | JBA | JBA | JJP |
| 3 | 11/01/01 | ISSUED FOR SITING COUNCIL REVIEW | DFB | FJT | CFC |

| | | | | | | | |
|---------------|-----------------|-----------------|----------------|----------------------------|--------------|--------------------|--------|
| DRAWN BY: DFB | CHECKED BY: FJT | SCALE: AS NOTED | DATE: 10/10/01 | PROFESSIONAL ENGINEER SEAL | JOB NO. 433A | DRAWING NUMBER C-1 | REV. 2 |
|---------------|-----------------|-----------------|----------------|----------------------------|--------------|--------------------|--------|



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

0 1000 2000 Feet

Vanasse Hangen Brustlin, Inc.

NEPA Screen

CT03XC362

Lat: 41 17 25.2 Long: 73 16 57.6

206 Everett Road

Easton, Connecticut

July 19, 2002

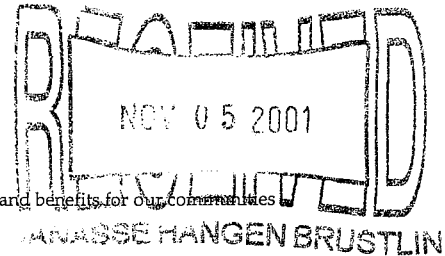
USGS QUAD: Botsford



Transportation
Land Development
Environmental
Services



imagination | innovation | energy Creating results for our clients and benefits for our communities



Vanasse Hangen Brustlin, Inc.

November 1, 2001

Ref: 40433

Ms. Laura Thoman
Sprint PCS
Crossroads Corporate Center
One International Boulevard
Suite 800
Mahwah, NJ 07495

Re: Site Review
CT03XC362-01,
208 Everett Road
Easton, Connecticut

Dear Ms. Thoman:

Vanasse Hangen Brustlin, Inc. (VHB) has visited the site of a proposed Sprint Spectrum, LP co-location on an existing monopole tower constructed by others. This inspection was completed on August 16, 2001. This inspection was conducted as part of a design visit and this report was prepared after a facsimile copy of a lease exhibit prepared by Natcomm was received.

The site is situated within an operating farm. No state-regulated and federal jurisdictional wetlands were observed within 200 feet of the existing tower compound.

As no impact to federal wetlands will be associated with the proposed co-location, **NO significant change in surface features** (e.g., wetland fill, deforestation or water diversion) will result in accordance with the National Environmental Policy Act Categorical Exclusion checklist.

If you have any questions concerning this matter do not hesitate to call me.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

Jeffrey C. Peterson
Certified Professional Soil Scientist

cc: Kim Filomia, Sprint PCS
Thomas J. Regan, Brown Rudnick Freed & Gesmer
Marlo Hitriz, VHB



Vanasse Hangen Brustlin, Inc.

WETLANDS DELINEATION REPORT

Date: November 1, 2001

Project No.: 40433.36201

Prepared For: Ms. Laura Thomen
Sprint PCS
Crossroads Corporate Center, Suite 800
1 International Boulevard
Mahwah, NJ 07495

Site ID No.: CT03XC362-01

Site Location: 208 Everett Road
Easton, Connecticut

Site Type: Co-Location on Existing Monopole

Site Map: No map provided before design visit on August 16, 2001. Lease exhibit provided by Natcomm for this report (date illegible).

Inspection Date: Wednesday, August 16, 2001

Field Conditions:

Weather: sunny, low 70s
Snow Depth: 0 inches

General Soil Moisture: dry
Frost Depth: 0 inches

Type of Wetlands Identified and Delineated:

Connecticut Inland Wetlands and Watercourses ☒
Tidal Wetlands ☐
U.S. Army Corps of Engineers ☐

Regulated Upland Review Areas: 100 ft Watercourses: 100 ft

Meeting Date(s) of Local Inland Wetlands Commission: NA review by CT Siting Council

Field Numbering Sequence of Wetlands Boundary:

No wetlands within review area
[as depicted on attached wetland sketch map]

DESCRIPTIONS OF MAPPED SOIL UNITS

Wetland Soil Types:

No wetlands mapped

Non-wetland Soil Types:

PbB- Paxton fine sandy loam, 3 to 8 percent slopes. This soil is deep and well drained. It occurs on the summits and upper convex slopes of till hills which often have drumlinoid forms. The soil typically consists of two to three feet of friable topsoil and subsoil over a dense basal till or "hardpan". This dense basal layer is slowly permeable, often causing the formation of an ephemeral perched watertable during the winter and early spring and after heavy rainfall.

For detailed information regarding the above-referenced soil types, please refer to Soil Survey of Fairfield County, Connecticut (USDA Soil Conservation Service).

Existing Condition Narrative:

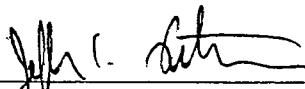
The existing tower compound is constructed near the ledge-cored summit of a drumlin. Surrounding land is operated as a farm which includes woodland, annual cropland and orchard. The shallow rocky soils in the vicinity of the tower compound are mostly non-mapped inclusions of the Hollis and Chatfield series and rock outcrop. No poorly or very poorly drained soils were encountered within 200 feet of the existing tower compound.

The classification systems of the National Cooperative Soil Survey; the U.S. Department of Agriculture, Natural Resource Conservation Service, County Soil Survey Identification Legend and the Connecticut Department of Environmental Protection were used in this investigation.

VHB has relied upon the accuracy of information provided by Sprint PCS and its contractors regarding proposed lease area and access road/utility easement locations for identifying wetlands and watercourses within and beyond (dependent upon local regulated upland review areas) said locations.

All established wetlands boundary lines are subject to change until officially adopted by local, state, or federal regulatory agencies.

The wetlands delineation was conducted and reviewed by:



Jeffrey C. Peterson, Certified Professional Soil Scientist



CT03XC362 - 206 Everett Road, Easton, CT
Worst Case Power Density Analysis of Sprint PCS Antennas @ Base of Monopole. 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 | 201.84 | 2220.24 | 158 | 0 | 0.032018 | 1 | 3.2018% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 50 | 0.029103 | 1 | 2.9103% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 100 | 0.022860 | 1 | 2.2860% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 150 | 0.016840 | 1 | 1.6840% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 200 | 0.012304 | 1 | 1.2304% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 250 | 0.009138 | 1 | 0.9138% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 300 | 0.006952 | 1 | 0.6952% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 350 | 0.005420 | 1 | 0.5420% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 400 | 0.004321 | 1 | 0.4321% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 450 | 0.003514 | 1 | 0.3514% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 500 | 0.002907 | 1 | 0.2907% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 550 | 0.002441 | 1 | 0.2441% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 600 | 0.002076 | 1 | 0.2076% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 650 | 0.001786 | 1 | 0.1786% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 700 | 0.001552 | 1 | 0.1552% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 750 | 0.001361 | 1 | 0.1361% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 800 | 0.001202 | 1 | 0.1202% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 850 | 0.001069 | 1 | 0.1069% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 900 | 0.000957 | 1 | 0.0957% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 950 | 0.000862 | 1 | 0.0862% |
| 1962.5 | 11 | 201.84 | 2220.24 | 158 | 1000 | 0.000780 | 1 | 0.0780% |

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

New York Market**Connecticut****Worst Case Power Density**

Global Wireless by T-Mobile

Site: CT11949A
Site Address: 206 Everett Road
Town: Easton
Tower Height: 158 ft.
Tower Style: Monopole

| | |
|---|-----------------------------|
| Base Station TX output | 20 W |
| Number of channels | 8 |
| Antenna Model | EMS RR90-17-02DP |
| Cable Size | 1 5/8 in. |
| Cable Length | 158 ft. |
| Antenna Height | 138.0 ft. |
| Ground Reflection | 1.6 |
| Frequency | 1935.0 MHz |
| Jumper & Connector loss | 1.00 dB |
| Antenna Gain | 16.5 dBi |
| Cable Loss per foot | 0.0116 dB |
| Total Cable Loss | 1.8328 dB |
| Total Attenuation | 2.8328 dB |
| Total EIRP per Channel | 56.68 dBm |
| (In Watts) | 465.32 W |
| Total EIRP per Sector | 65.71 dBm |
| (In Watts) | 3722.55 W |
| nsg | 13.6672 |
| Power Density (S) = | 0.046872 mW/cm ² |
| Voicestream Worst Case % MPE = | 4.6872% |
| Equation Used : $S = \frac{(1000 \text{ (grf)}^2 (\text{Power}) 10^{(nsg/10)})}{4 \pi (R)^2}$ | |
| Office of Engineering and Technology (OET) Bulletin 65, Edition 97-01, August 1997 | |

Co-Location Total

| Carrier | % of Standard |
|-----------------------------|---------------|
| Verizon | |
| Cingular | |
| Sprint PCS | |
| AT&T Wireless | |
| Nextel | |
| Total Excluding Voicestream | 0.0000 % |
| Voicestream | 4.6872 |
| Total % MPE for Site | 4.6872% |

Relative Gain Power Density

| | |
|-----------------------------------|-----------------------------|
| Antenna Relative Gain Factor | -3.7 dBi |
| Total Attenuation | 2.8328 dB |
| Total EIRP per Channel | 52.98 dBm |
| (In Watts) | 198.50 W |
| Total EIRP per Sector | 62.01 dBm |
| (In Watts) | 1587.96 W |
| nsg | 9.9672 |
| Power Density (S) = | 0.019995 mW/cm ² |
| Voicestream Relative Gain % MPE = | 1.9995% |

Visual Resource Evaluation Report

Application of Sprint PCS for a Proposed Telecommunications Facility

CT03XC362

206 Everett Road
Town of Easton
Fairfield County Connecticut

Prepared for **Sprint PCS**
1 International Boulevard
Mahwah, NJ 07495

Prepared by **VHB/Vanasse Hangen Brustlin, Inc.**
54 Tuttle Place
Middletown, CT 06457

December 2002

Visual Resource Evaluation

Sprint Spectrum, L.P. (Sprint PCS) seeks approval for the installation of a 38 foot tower extension at an existing Wireless Telecommunications Facility (Facility) located on property off of Everett Road in the Town of Easton, Connecticut (the Site; see Photolog Documentation map contained in Attachment A). The Facility is currently comprised of a 120-foot monopole tower, a single antenna array and an associated equipment compound surrounded by a chain link fence. The proposed extension will raise the existing tower to a height of 158 feet above ground level (AGL). This "Visual Resource Evaluation" was conducted to approximate the visibility of the proposed tower within a two-mile radius of the proposed Sprint PCS Facility (Study Area).

Site Description and Setting

The Site is located east of Everett Road in the Town of Easton. Land use within the general vicinity of the subject property is mainly comprised of residential parcels with large tracts of undeveloped, forested land. The topography within the Study Area is characterized by rolling hills that range in elevation from approximately 300 feet above mean sea level (AMSL) to 560 feet AMSL. A secondary growth forest, consisting mainly of mixed deciduous hardwoods with an estimated average height of 65 feet, occupies approximately 5,870 acres of the 8, 042 acre study area (73%).

The structure site is located at approximately 429 feet AMSL. Associated equipment will be located within the existing chain link fence enclosure. The tower extension will be constructed of galvanized steel in order to match the existing tower. The associated ground equipment will be installed at the base of the monopole tower. Access to the Facility will follow an existing path on the subject property that extends easterly from Everett Road.



Methodology

In order to accurately represent the visibility associated with a given tower facility, VHB has developed a two-fold approach utilizing both a predictive computer model and extensive in-field verification. The predictive model is employed to assess potential visibility throughout the entire Study Area, with a particular emphasis on private property and/or otherwise inaccessible areas for field verification. A "balloon float" is also conducted to provide documentation from publicly accessible areas. A detailed description of the methodologies used in the analysis is provided below.

Visibility Analysis

Using ESRI's ArcView® Spatial Analyst, a computer modeling tool, the areas from which the top of the proposed tower extension is expected to be visible are calculated. This is based on information entered into the computer model, such as tower height and surrounding topography. Data incorporated in the model includes 7.5 minute digital elevation models (DEMs) and a digital forest layer for the project area. The DEMs were produced by the United States Geological Survey (USGS) in 1982 at a 30 meter resolution. The forest layer was derived through on-screen digitizing in ArcView® GIS from 1990 digital orthophotos with a 1 meter pixel resolution. A viewshed analysis was also conducted for the existing 120-foot monopole tower for the purposes of comparison.

A series of constraints were then applied to the computer model to achieve a realistic estimate of where the tower will be visible from within the surrounding landscape. The forested areas within the Study Area were overlaid on the DEM. It was reasoned that all the forested land consisted of light-impenetrable trees of a uniform height of 65 feet. A height of 65 feet was therefore added to the DEM within the identified forested areas, and the visibility calculated. As a final step, the forested areas were extracted from the areas of visibility, with the assumption that a person standing within the forest will not be able to view the proposed tower.

A preliminary viewshed map is generated prior to the in-field activity in order to confirm that large forested areas were not clear cut since the 1990 flight and to verify the results of model in comparison to the balloon float. Information obtained from the balloon float and photographic documentation is then incorporated into the final visibility map.

Photographic Documentation

On December 3, 2002 Vanasse Hangen Brustlin Inc., (VHB) conducted a "balloon float" at the project Site in order to evaluate the potential viewshed associated with the proposed facility. In addition, areas along public roadways where the proposed tower may be partially visible during the winter months are also evaluated. The anticipated seasonal visibility is based on observations made in the field during the balloon float taking into account topography, forest density and tree type (i.e. deciduous trees vs. conifers). The balloon float consisted of raising and maintaining a four-foot diameter helium-filled weather balloon at a height of 158 feet adjacent to the existing tower. During the balloon test, weather conditions were sunny. The temperature was approximately 32 degrees Fahrenheit with calm winds.

Once the balloon was secured at a height of 158 feet, VHB staff photographed the balloon from a number of different vantage points within the Study Area to document the actual view towards the proposed tower. Several photo locations were selected prior to the in-field

evaluation utilizing the preliminary Viewshed Map to identify areas adjacent to public roads where the balloon might be visible. Additional locations were identified during the float (e.g., areas of potential seasonal visibility) based on visual observations made in the field. The location and orientation of each photograph included in this Visual Resource Evaluation are contained in Attachment A and are listed below:

1. View from Everett Road, looking southeast – Balloon visible.
2. View from Everett Road at the subject property, looking east – Balloon visible.
3. View from Fox Run Drive, looking southwest – Balloon visible through trees.
4. View from Sherwood Drive, looking southeast – Balloon visible through trees.
5. View from North Park Avenue, looking northeast – Balloon visible.
6. View from North Park Avenue, looking northeast – Balloon visible.
7. View from Rock House Road, looking southeast – Balloon visible.

Photographs of the balloon from the view points listed above were taken with a Nikon Digital Camera COOLPIX 950, which has a lens focal length equivalent to a 35 mm camera with a 38 to 115 mm zoom. "The lens that most closely approximates the view of the unaided human eye is known as the normal focal-length lens. For the 35 mm camera format, which gives a 24x36 mm image, the normal focal length is about 50 mm." The optical zoom lens for the Nikon COOLPIX was set at a range of 50 mm to 70 mm for the purposes of this Visual Resource Evaluation.

The locations of the photographic points are recorded in the field using a hand held GPS receiver and are subsequently plotted on the maps contained in the attachments to this document.

Photographic Simulation

Photographic Simulations were generated for the seven locations (Views 1-7) where the balloon was visible. The Photographic Simulations represent a scaled depiction of the proposed tower extension from these locations. The height of the tower is determined based on the location of the balloon in the photographs and a proportional typical monopole image is simulated into the photographs. The simulations are contained in Attachment A.

Conclusions

Based on the viewshed analysis, areas from which the 158-foot tower extension will be at least partially visible comprise approximately 152 acres or less than two percent of the Study Area. The visibility of the tower will be minimized due largely to the topography and extent

¹ Warren, Bruce. *Photography*, West Publishing Company, Eagan, MN, c. 1993, (page 70).

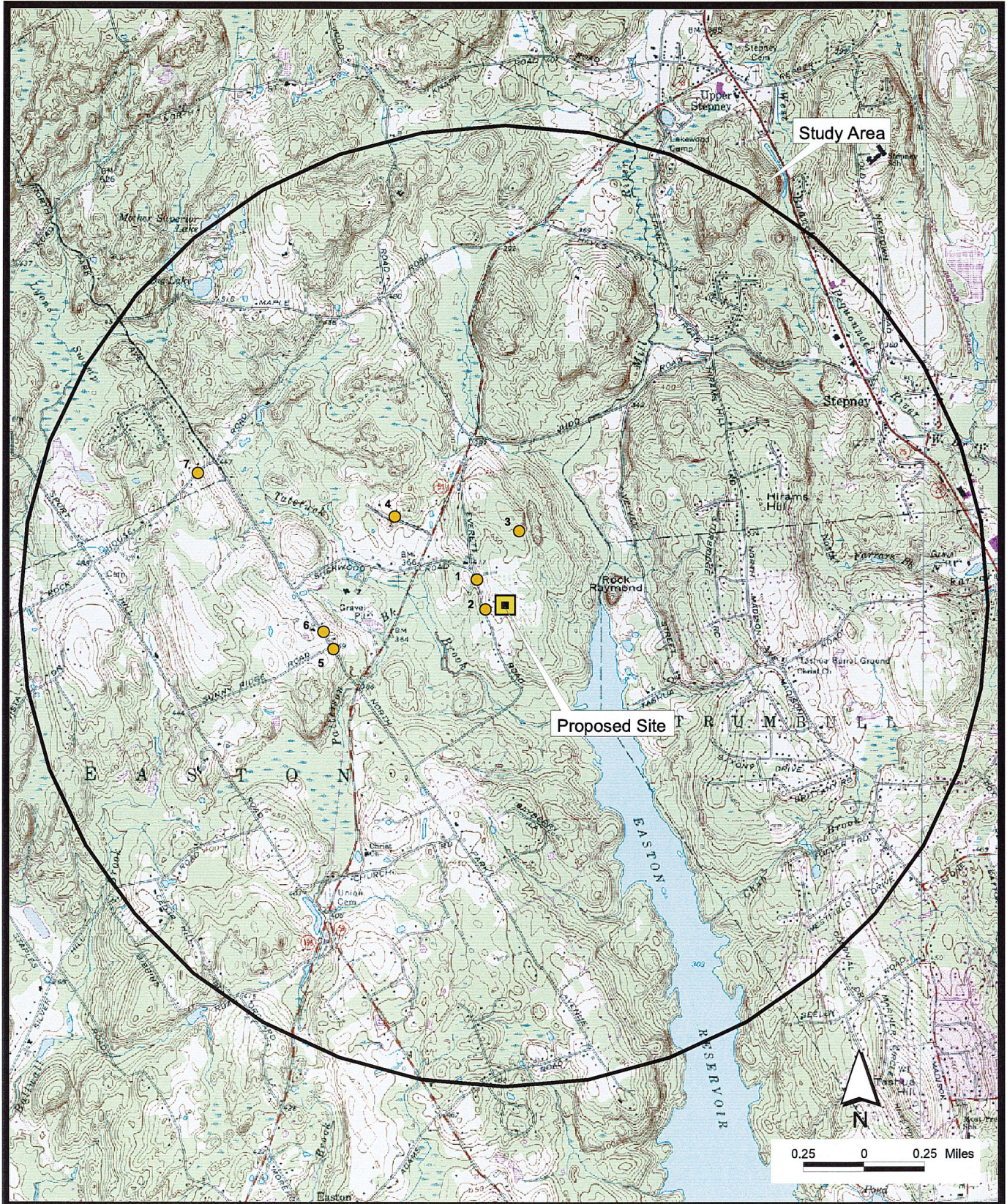
of tree cover found within the study area. The map shows portions of Everett Road, North Park Avenue and Rock House Road from where the proposed tower extension will be visible above the tree cover (as photo-documented). For comparative purposes, VHB also developed a viewshed model for the existing 120-foot monopole tower. Based on this analysis, the existing 120-foot tower is visible from roughly 138 acres within the study area; this was consistent with observations made in the field during the balloon float. As a result the increase in visibility associated with the tower extension represents only an additional 14 acres or just 9% of the total visible area. Therefore, additional visual impacts associated with the proposed extension are expected to be minimal, particularly from the adjacent residential areas where the existing facility is in clear view. A large area of visibility is also identified on the Easton Reservoir, which is inaccessible to the public and therefore could not be documented. The map also depicts select areas along Fox Run Drive and Sherwood Drive where both the existing tower and the proposed extension are partially visible during the winter months, when there are no leaves on the deciduous trees.

Attachment A

Photolog Documentation Map, Balloon Float Photographs and Photographic Simulations

Photolog Documentation

Town of
Easton
Connecticut



Photographic Documentation and Simulation View 1

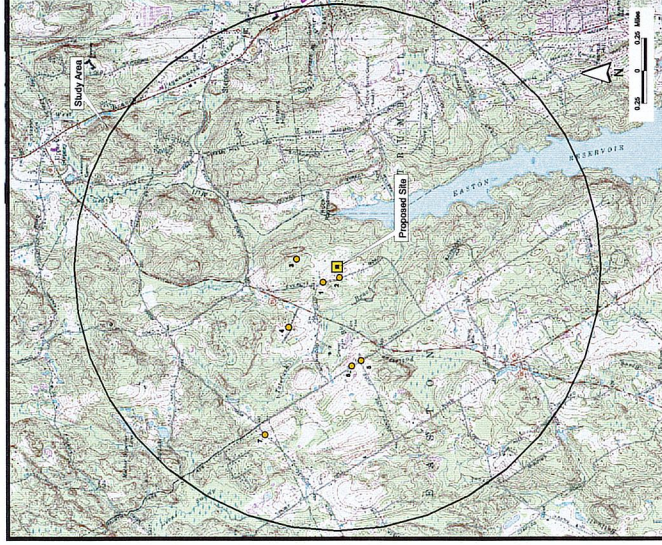


PHOTO TAKEN FROM EVERETT ROAD, LOOKING SOUTHEAST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.16 MILE +/-

Photographic Documentation and Simulation View 2

Town of
Easton
Connecticut

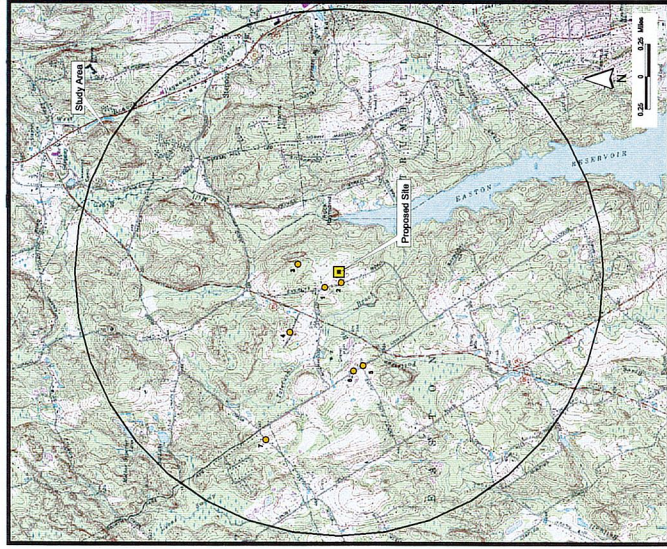


PHOTO TAKEN FROM EVERETT ROAD AT THE SUBJECT PROPERTY, LOOKING EAST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.09 MILE +/-



Photographic Documentation and Simulation View 3

Town of
Easton
Connecticut

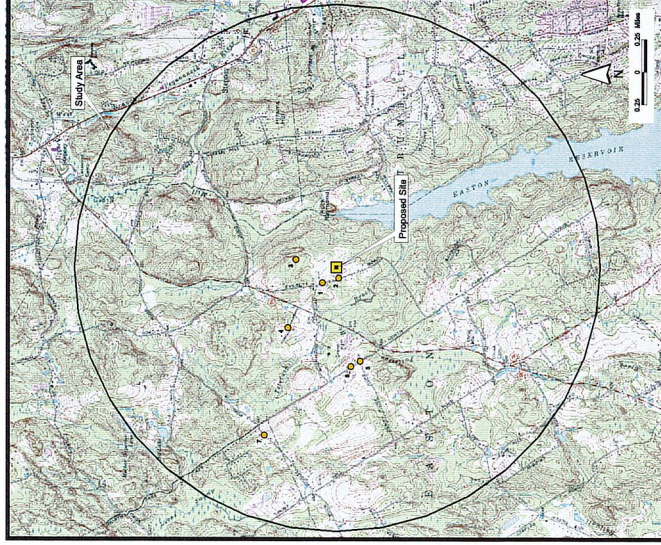


PHOTO TAKEN FROM FOX RUN DRIVE, LOOKING SOUTHWEST (VISIBLE THROUGH TREES)
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.31 MILE +/-

Photographic Documentation and Simulation View 4

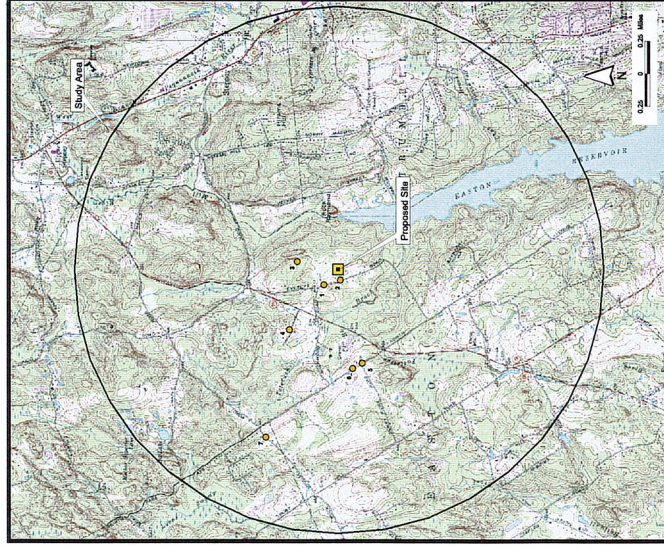


PHOTO TAKEN FROM SHERWOOD DRIVE, LOOKING SOUTHEAST (VISIBLE THROUGH TREES)
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.59 MILE +/-



Photographic Documentation and Simulation View 5

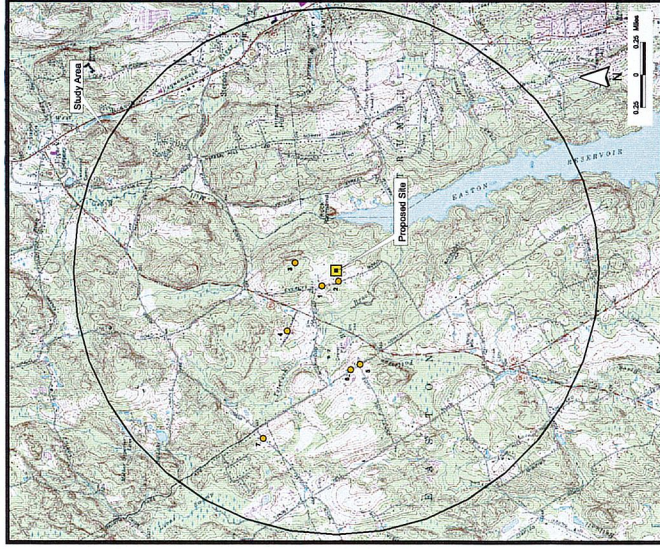
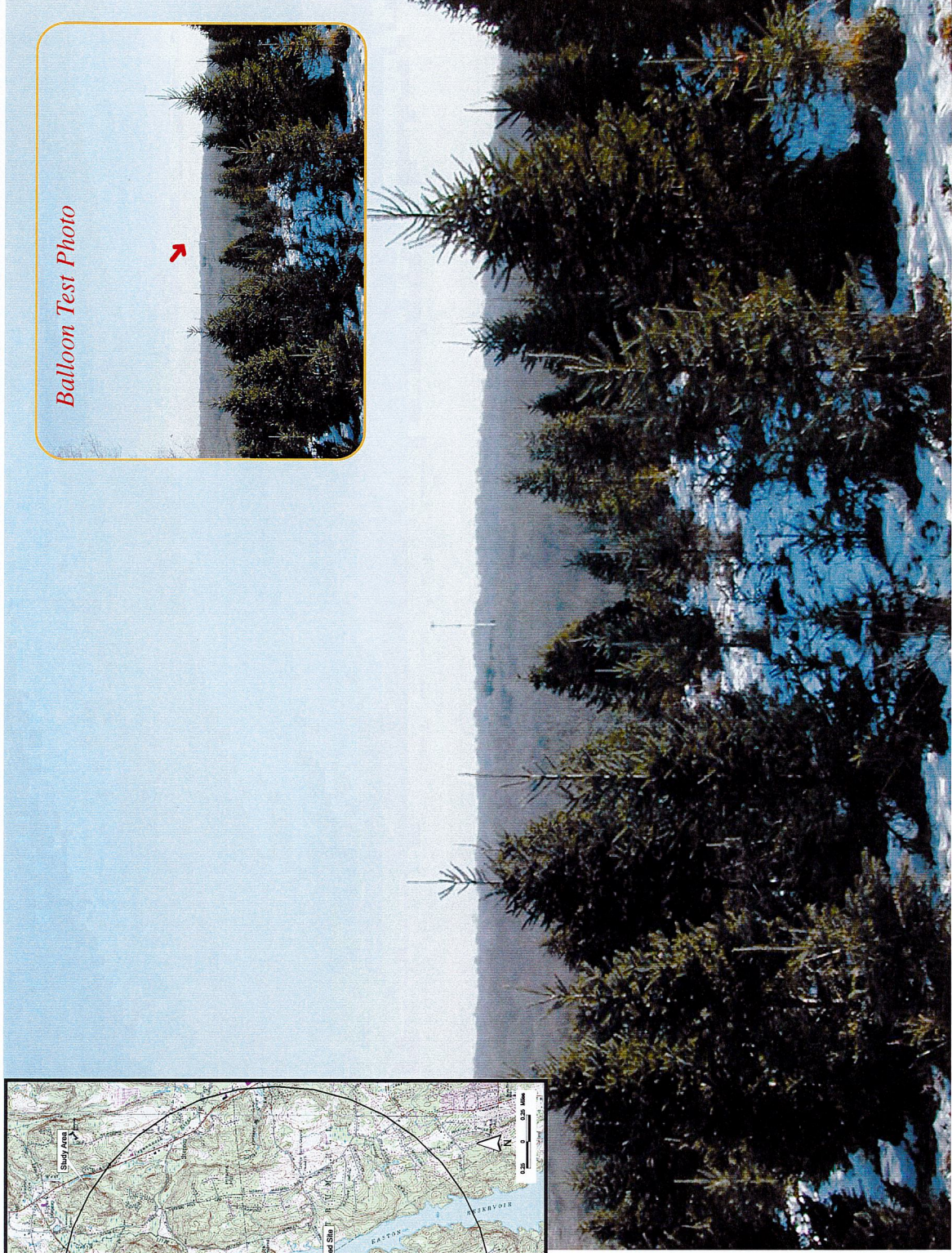
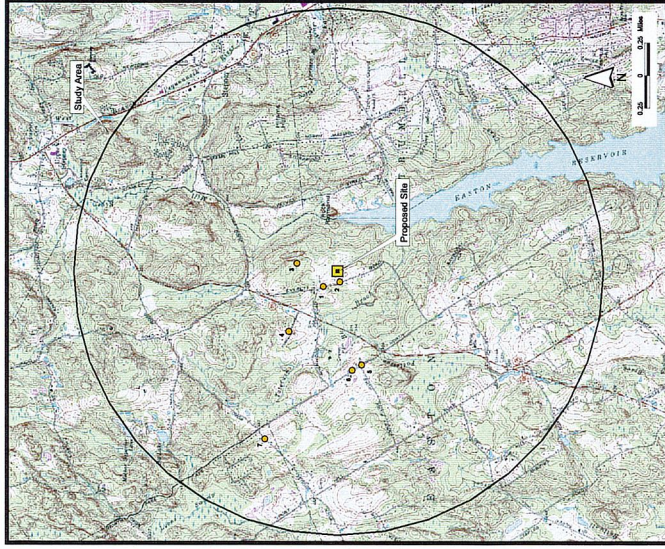


PHOTO TAKEN FROM NORTH PARK AVENUE, LOOKING NORTHEAST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.74 MILE +/-

Photographic Documentation and Simulation View 6

Town of
Easton
Connecticut



Balloon Test Photo



PHOTO TAKEN FROM NORTH PARK AVENUE, LOOKING NORTHEAST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 0.76 MILE +/-

Photographic Documentation and Simulation View 7

Town of
Easton
Connecticut

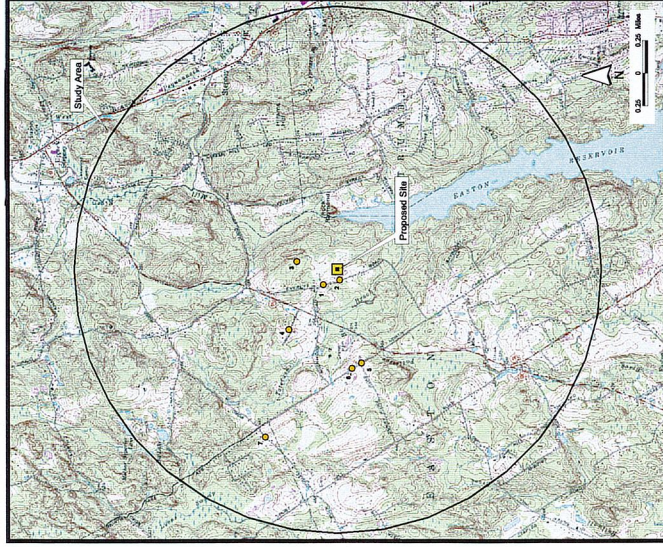
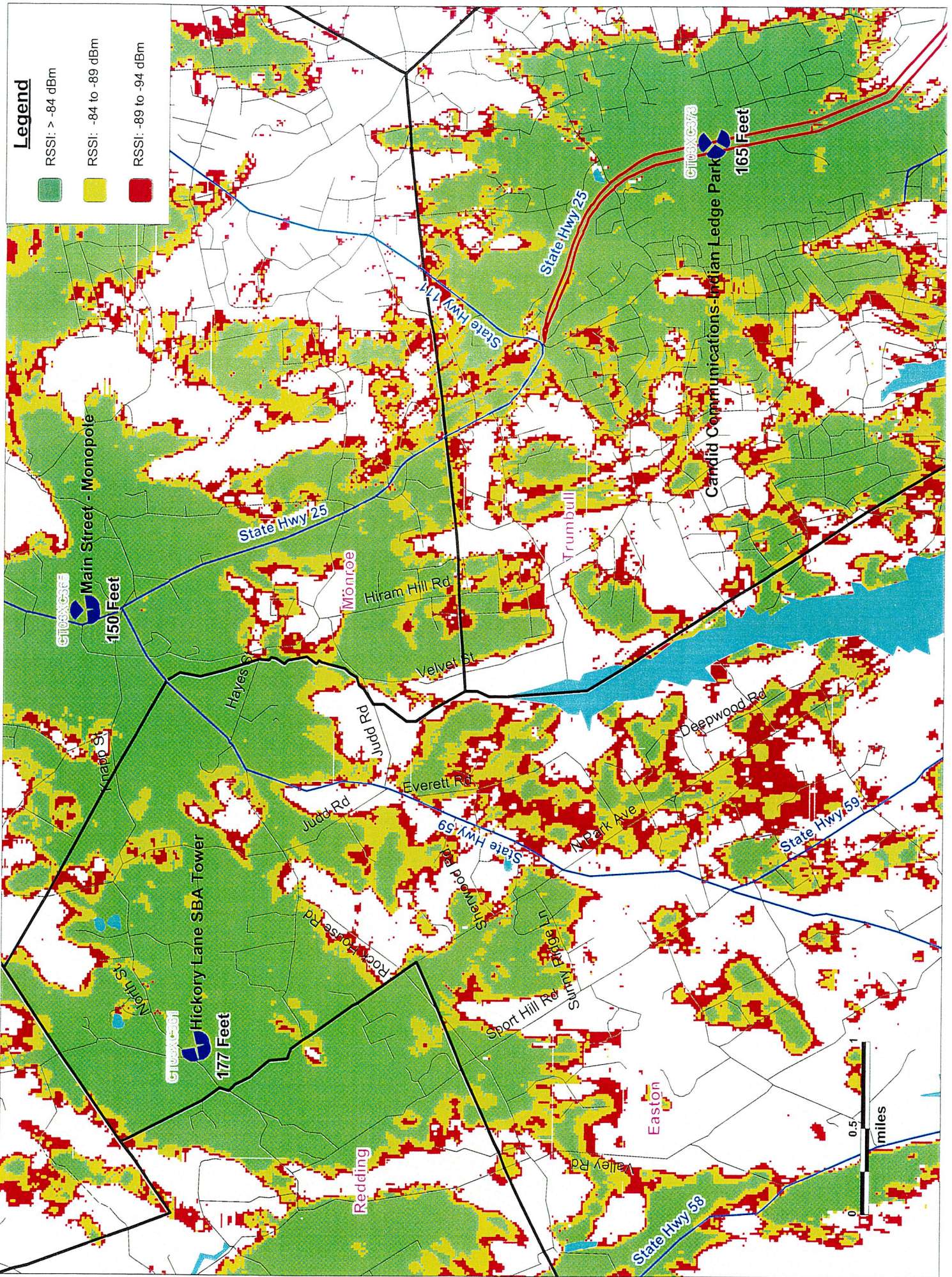


PHOTO TAKEN FROM ROCK HOUSE ROAD, LOOKING SOUTHEAST
DISTANCE FROM THE PHOTOGRAPH LOCATION TO THE PROPOSED SITE IS 1.39 MILES +/-

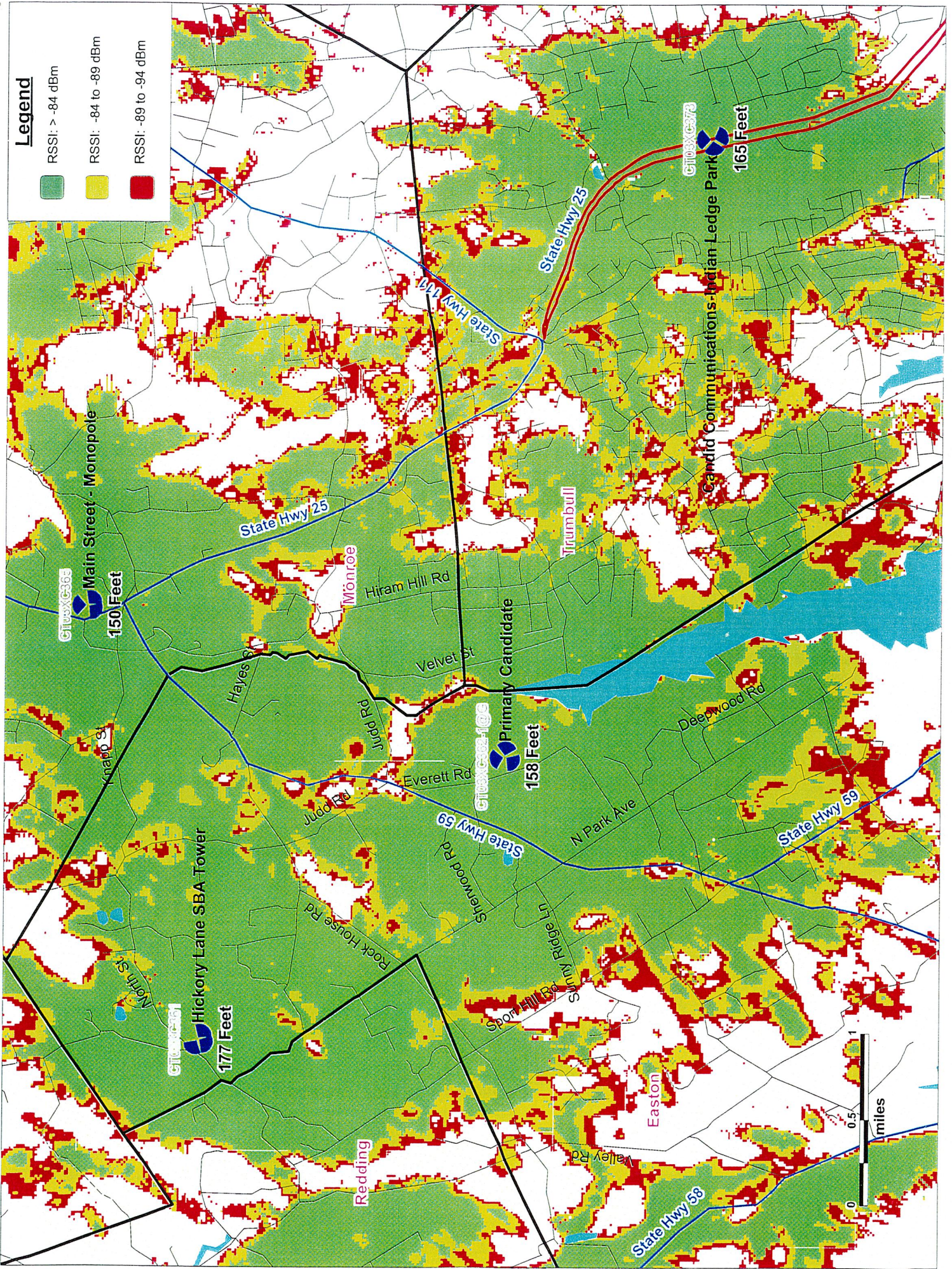
Attachment B

Visibility Map

Attachment A : Coverage Without Primary Candidate



Attachment B : Coverage With Primary Candidate



**Transportation
Land Development
Environmental
Services**



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September 27, 2002

Ref: 40655

Vanasse Hangen Brustlin, Inc.

Mr. John Woodmaska
Sprint PCS
One International Boulevard
Suite 800
Mahwah, NJ 07495

Re: NEPA Compliance Documentation
206 Everett Road in Easton, Connecticut
Sprint PCS Site #CT03XC362

Dear Mr. Woodmaska:

Vanasse Hangen Brustlin, Inc. (VHB) has been retained by Natcomm LLC on behalf of 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. Sprint PCS is proposing to collocate on an existing "extendable" Nextel monopole, located at 206 Everett Road in Easton, Connecticut (Sprint Site # CT03XC362). Sprint PCS will attach a 38-foot monopole extension to the existing 120-foot monopole and antennae will be attached at the top of the modified facility, at 158 feet. Associated PCS equipment will be installed at the base of the monopole. In accordance with the National Environmental Policy Act (NEPA), the FCC requires its licensees to review their proposed actions for environmental consequences. Therefore, we have prepared this letter to discuss whether the proposed facility will adversely affect any environmentally sensitive areas.

The Nationwide Programmatic Agreement for the Collocation of Wireless Antennas (the Agreement) governs Sprint's collocation on the Nextel tower. Towers, as defined by the Agreement, constructed on or before March 16, 2001 generally do not require consultation or review under section 106 with the State Historic Preservation Officer, if:

- The mounting of the Sprint antennas will not result in a "substantial increase in the size of the tower" as defined in the Agreement,
- it has been determined the tower will not have an effect on one or more historic properties,
- the site is not the subject of a pending FCC Section 106 review, and the FCC has not determined that this site has an adverse effect on historic properties, or
- the tower or licensee owner has not received a written or electronic complaint from the public, SHPO or Advisory Council that the collocation has an adverse effect on one or more historic properties.

Mr. John Woodmaska
Project No.: 40433

Consultation with the State Historic Preservation Officer was necessary for this project because this modification to the existing monopole is classified as a substantial increase in the size of the tower, as Sprint plans to add a 38-foot extension to the 120-foot existing monopole. Based on this Site design, VHB consulted with the SHPO and obtained a finding of "no effect" on September 13, 2002.

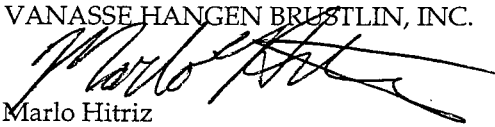
However, because the ground equipment will be located within the existing compound and there will be no ground disturbance, we did not contact resource agencies regarding the following impact categories:

- Officially Designated Wilderness Areas
- Officially Designated Wildlife Preserves
- Threatened or Endangered Species or designated Critical Habitats
- Indian Religious Sites
- Floodplain
- Significant change in surface features (i.e., wetlands)

Based on the information currently available, VHB has found that the proposed facility does not fall under any of the listed categories of Section 1.1307. The completed SHPO letter, NEPA checklist and NEPA screen map are attached to this letter.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.


Marlo Hitriz
Environmental Scientist

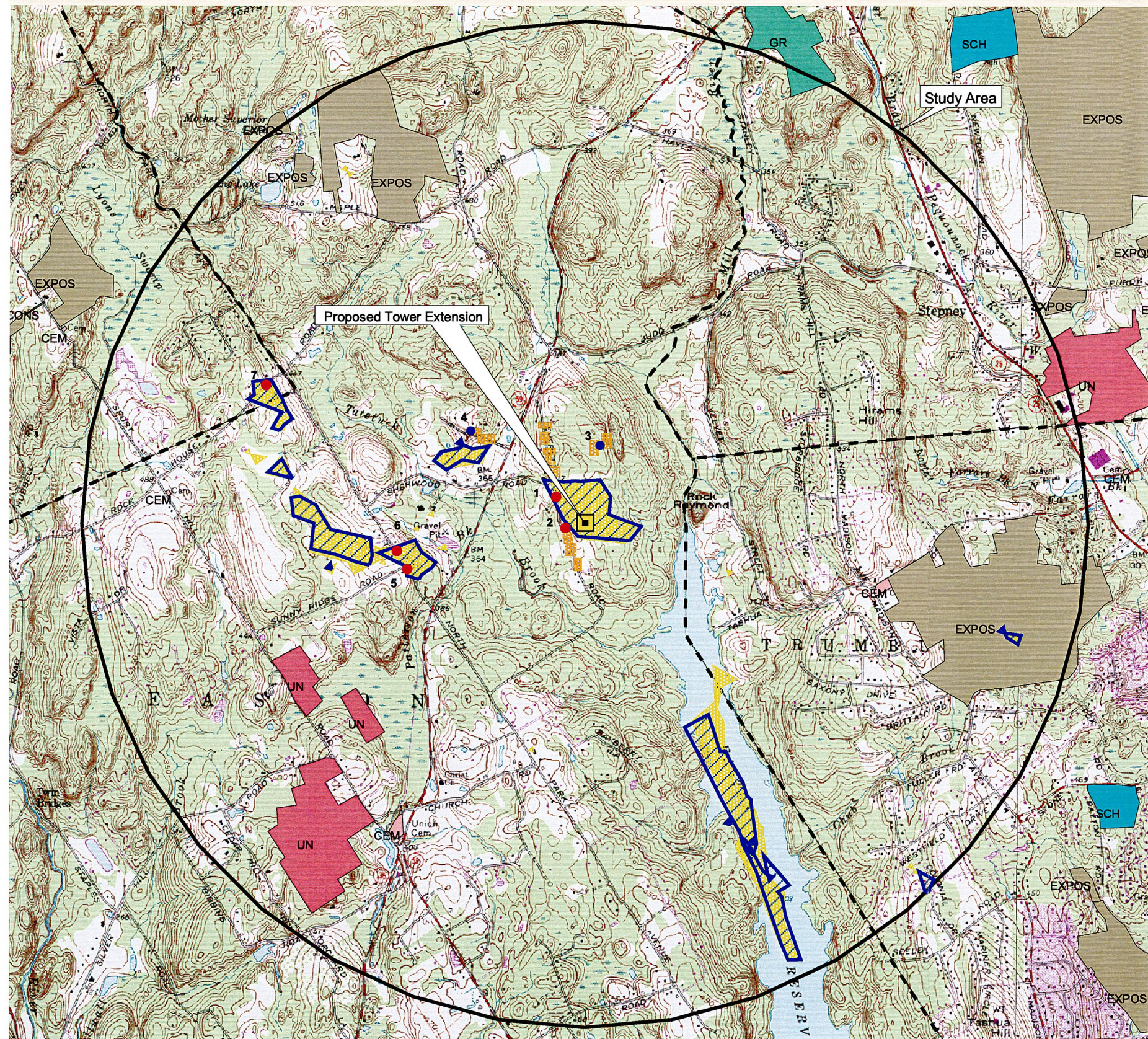
Attachments



Visibility Map

Topography and Forest Cover as Constraints

Town of
Easton
Connecticut



CT03XC362 206 Everett Road Easton, Connecticut

NOTE:
Viewshed analysis conducted using ESRI's ArcView Spatial Analyst.
Viewshed results updated according to field investigations.
Existing Tower height is 120 feet
Proposed tower height is 158 feet.
Forest cover calculated at height of 65 feet.
Viewshed analysis conducted for leaf on conditions.
Potential seasonal views estimated based on in-field observations made during balloon test.

DATA SOURCES for viewshed analysis:
- 7.5 minute digital elevation model (DEM) at 30 meter resolution produced by USGS, 1982
- Forested areas derived from 1990 digital orthophotos with 1 meter pixel resolution - digitized by VHB, 2002
- Base map comprised of Bostford and Long Hill USGS Quadrangle Maps.
- Coordinates of proposed site: Lat.41 17 25.22 Long. 73 16 57.63
- Protected properties data layer provided CTDEP, July 2001
- Scenic Roads derived from State and Local listings

Map Compiled December, 2002

LEGEND

■ Proposed Tower Location (Includes area of visibility approximately 250 feet around facility)

Photopoint Locations - December 3, 2002

● Balloon visible through trees

● Balloon visible above trees

■ Anticipated seasonal visibility

■ Year-round visibility, Existing Tower (approximately 138 acres)

■ Year-round visibility (approximately 152 acres)

■ Scenic Roads (Local and/or State designated)

★ DEP Boat Ramps

Protected Properties (Municipal)

■ Cemetery (CEM)

■ Conservation (CONS)

■ Existing Preserved Open Space (EXPOS)

■ General Recreation (GR)

■ Preservation (P)

■ Recreation (REC)

■ School (SCH)

■ Uncategorized (UN)

■ Protected Properties (Federal)

Protected Properties (DEP)

■ State Forest (SF)

■ State Park (SP)

■ State Park Scenic Reserve (SPSR)

■ State Park Trail (SPT)

■ Natural Area Preserve (NAP)

■ Wildlife Area (W)

■ Wildlife Sanctuary (WS)

■ Historic Preserve (HP)

■ Flood Control (FC)

■ Fish Hatchery (FH)

■ DEP Owned Waterbody (DEPWb)

■ Water Access (WA)

■ Other (O)

--- Town Line

0 0.2 0.4 0.6 0.8 Miles

