

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

| | | |
|-------------------------------------|---|----------------|
| IN RE: | : | |
| | : | |
| APPLICATION OF CELLCO PARTNERSHIP | : | DOCKET NO. 455 |
| D/B/A VERIZON WIRELESS (CELLCO) FOR | : | |
| A CERTIFICATE OF ENVIRONMENTAL | : | |
| COMPATIBILITY AND PUBLIC NEED FOR | : | |
| THE CONSTRUCTION, MAINTENANCE | : | |
| AND OPERATION OF A WIRELESS | : | |
| TELECOMMUNICATIONS FACILITY AT 99 | : | |
| EAST STREET SOUTHINGTON, | : | |
| CONNECTICUT | : | MARCH 2, 2015 |

PRE-FILED TESTIMONY OF MICHAEL LIBERTINE

Q.1. Please identify yourself, describe your position and summarize your qualifications.

A. My name is Michael Libertine and I am the Director of Siting and Permitting for All-Points Technology Corp., P.C. (“APT”) with offices in Killingworth, Connecticut and Conway, New Hampshire. My background includes over 30 years of professional experience, including 22 years of environmental consulting. I have been Project Manager for more than 1400 environmental site assessments and field investigations for property transfers in Connecticut, Rhode Island, New Hampshire, Massachusetts, New Jersey, New York, Florida and Canada. I have assisted clients with the permitting of more than 400 wireless telecommunication facilities in New England over the past 16 years. My responsibilities include coordination and oversight of site screenings and environmental assessments to fulfill Cellco’s requirements under the National Environmental Policy Act (“NEPA”) and Section 106 of the National Historic Preservation Act. APT also performs due diligence, conducts vegetative/biological surveys and visual impact analyses and provides ongoing regulatory,

siting and permitting support to Cellco.

Q.2. Please describe your involvement in the Application for Docket No. 455.

- A. APT was hired by Cellco to provide environmental consulting services related to its proposal to develop a new telecommunications facility on a 27-acre Town-owned parcel at 99 East Street in Southington, Connecticut (the "Property"). Of particular relevance to this testimony, APT was responsible for preparing Cellco's submission to the Connecticut State Historic Preservation Officer ("SHPO") for its review and determination under Section 106 of the National Historic Preservation Act.

Q.3. What does APT do to initiate the SHPO's review of a new tower site, like Cellco's proposed East Street facility?

- A. Once a particular site is identified as a viable candidate by Cellco's RF Engineers, APT does two things. First it conducts a "desk top" survey to determine if there are any historic resources listed on or eligible for listing on the National Register of Historic Places within a prescribed "Area of Potential Effect" or the "APE". In this case, with the tower being less than 200 feet in height, the APE is a one-half mile radius from the proposed tower site. APT submits its desk-top survey results and additional detailed information on the specific tower development proposal to the SHPO for its review and determination. Throughout the SHPO's review process, APT also responds to any questions or requests for additional information about the facility being proposed that the SHPO might have.

Q.4. Please summarize the findings of the APT desk top survey for the proposed tower site at 99 East Street in Southington.

- A. Contrary to the statement made on page 16 of the Application narrative (Section

III.C.4.b.(4)), APT identified one (1) historic resource, a colonial style house at 391 Belleview Avenue, within the APE of the 99 East Street tower site. After evaluating the resource, APT determined that the proposed tower would not adversely impact the character and integrity of this historic resource. A copy of APT's SHPO Determination package was sent to the SHPO on November 18, 2014. (*See Attachment 1*).

Q.5. Please provide a summary of the SHPO's initial response to the APT determination and subsequent conversations and correspondence regarding the 99 East Street tower site.

- A. On December 22, 2014, the SHPO issued its determination on the proposed East Street tower site, finding that the "undertaking will have no adverse effect on contributing resources listed or eligible for listing on the National Register of Historic Places". Attached to this determination was a condition, however, that requires Cellco to construct a traditional monopole tower instead of a monopine (tree) tower as proposed in the application. (*See Attachment 2*). This condition was particularly disturbing because a monopine tower design was preferred by the majority of stakeholders, including Cellco, upon my recommendation; the Town of Southington, as the owner of the Property; and the neighbors who live around the Property and will have views of the tower site. APT, on Cellco's behalf, asked the SHPO for some additional clarification on its determination.

In a January 16, 2015 letter, the SHPO responded to APT stating that it does not believe that monopine towers "minimize the visibility of wireless equipment, which is what they were created to do, and in fact create more of a visual impact than a standard monopole". (*See Attachment 3*). That said, the SHPO offered to review additional information on more advanced monopine designs constructed by Cellco. The additional information regarding

recent monopine installations was sent to the SHPO on February 5, 2015. (See Attachment 4). The SHPO responded via email on February 17, 2015 acknowledging receipt of the information and offering the opinion “*While the monopole design appears to be an improvement to some past examples our office has seen, the overall use of monopoles are still frowned upon in our office.*” (See Attachment 5). During an ensuing telephone conversation later that morning, the SHPO indicated their willingness to review additional photographic simulations (during leaf off conditions) of the proposed monopine tower at 99 East Street from the identified historic resource at 391 Belleview Avenue and other locations around the Property. An additional balloon float was conducted on the afternoon of February 17, 2015 and additional photo-simulations were submitted to the SHPO on February 20, 2015. (See Attachment 6). That additional information is currently under review by the SHPO.

Q.6. Does this conclude your testimony?

A. Yes.

The statements above are true and accurate to the best of my knowledge.

3/2/15
Date

Michael Libertine
Michael Libertine

Subscribed and sworn before me this 2nd day of March, 2015.

Ellen A. Gustafson
Ellen A. Gustafson
Notary Public

ATTACHMENT 1



November 18, 2014

To: Mr. Todd Levine
State of Connecticut Department of
Economic and Community Development
State Historic Preservation Office
One Constitution Plaza, Second Floor
Hartford, CT 06103

Re: Proposed Wireless Telecommunications Facility
Southington East Street a/k/a/ Meriden Relo
99 East Street
Southington, Connecticut 06489
APT Project#: CT1412300, Ensite#:

Determination of Effects for the Proposed Telecommunications Facility to be Constructed at 99 East Street in Southington, Connecticut:

In accordance with the Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA), the above-referenced telecommunications project, proposed by Celco Partnership and its controlled affiliates doing business as Verizon Wireless (Verizon Wireless), is being evaluated for its potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP).

In accordance with the Nationwide Agreement, please find the attached Submission Packet, FCC Form 620, which presents the details on the proposed project as well as efforts that have been taken to identify, assess, and make determinations of effect on the impacts of the proposed project on Historic Properties. As part of this Undertaking Verizon Wireless is proposing to construct a 97-foot tall Stealth Structure Pine Tree (monopine) Communications Tower facility at 99 East Street in Southington, Connecticut. The Subject Property consists of an approximately 26.97-acre undeveloped parcel. The parcel is located on the north side of East Street and is currently a storage site for numerous large compost mounds. The proposed facility consists of a 97-foot monopine communications tower with antennas within a 50' x 50' fenced (chain link) equipment compound and lease area and associated 20-foot wide access/utilities easement originating off of East Street.

File reviews of the National Register Database, Connecticut State Historic Register, and Connecticut State Historic Resource Inventory were conducted by Lucas Karmazinas, architectural historian with FuturePast Preservation, and Mr. William Keegan, Historical Geographer & GIS Specialist, with Heritage Consultants, LLC, to identify Historic Properties within the 0.5-mile Area for Potential Effect (APE) for Visual and Direct Effects. No historic structures were identified within the APE for Direct Effects. One (1) Historic Property¹ previously

¹ The Nationwide Programmatic Agreement defines a "Historic Property" as "Any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or NHO that meet the National Register criteria."

listed or deemed eligible for the National Register of Historic Places was identified within the APE for Visual Effects. This is the individually-listed Colonial style house with Greek Revival portico (ca. 1754) located at 391 Belleview Avenue (NR# 88003096).

Despite the presence of the aforementioned resource, it is the opinion of the investigator that the Undertaking would present No Adverse Effects to the Historic Property within the APEs as its minimal visibility would not compromise the character and integrity that constitutes its historical significance.

Please note that an Archaeological Assessment prepared by Mr. David George of Heritage Resources, LLC, is included as part of this submission.

Sincerely,

A handwritten signature in black ink, appearing to read 'LK', with a long horizontal flourish extending to the right.

Lucas Karmazinas
c/o All-Points Technology Corp., P.C.

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE · KILLINGWORTH, CT 06419 · PHONE 860-663-1697 · FAX 860-663-0935

Notification Date:
 File Number:

General Information

| | |
|---|--------------|
| 1) (Select only one) (NE) NE - New UA - Update of Application WD - Withdrawal of Application | |
| 2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file. | File Number: |

Applicant Information

| |
|---|
| 3) FCC Registration Number (FRN): 0012845343 |
| 4) Name: Verizon Wireless |

Contact Name

| | | | |
|--|--------|-------------------------------|------------|
| 5) First Name: Robin | 6) MI: | 7) Last Name: Haeffner | 8) Suffix: |
| 9) Title: VZW HQ - NEPA Regulatory Compliance | | | |

Contact Information

| | | | |
|--|---------|---|----------------------------|
| 10) P.O. Box: | And /Or | 11) Street Address: 6 Campus Circle, Suite 500 | |
| 12) City: Westlake | | 13) State: TX | 14) Zip Code: 76272 |
| 15) Telephone Number: (501)529-5377 | | 16) Fax Number: | |
| 17) E-mail Address: npa@verizonwireless.com | | | |

Consultant Information

| |
|---|
| 18) FCC Registration Number (FRN): 0021738141 |
| 19) Name: Lucas Karmazinas c/o All-Points Technology Corp., P.C. |

Principal Investigator

| | | | |
|---|---------|----------------------------------|-------------|
| 20) First Name: Lucas | 21) MI: | 22) Last Name: Karmazinas | 23) Suffix: |
| 24) Title: Architectural Historian | | | |

Principal Investigator Contact Information

| | | | |
|--|---------|--|----------------------------|
| 25) P.O. Box: | And /Or | 26) Street Address: 3 Saddlebrook Drive | |
| 27) City: Killingworth | | 28) State: CT | 29) Zip Code: 06419 |
| 30) Telephone Number: (860)633-1697 | | 31) Fax Number: (860)633-1697 | |
| 32) E-mail Address: ncastro@allpointstech.com | | | |

Professional Qualification

| | |
|---|--|
| 33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards? | <input checked="" type="checkbox"/> Yes () No |
| 34) Areas of Professional Qualification: | |
| () Archaeologist | |
| (<input checked="" type="checkbox"/>) Architectural Historian | |
| (<input checked="" type="checkbox"/>) Historian | |
| () Architect | |
| () Other (Specify) _____ | |

Additional Staff

| | |
|--|--|
| 35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior? | <input checked="" type="checkbox"/> Yes () No |
|--|--|

If "YES," complete the following:

| | | | |
|---|---------|------------------------------|-------------|
| 36) First Name: David | 37) MI: | 38) Last Name: George | 39) Suffix: |
| 40) Title: Heritage Consultants | | | |
| 41) Areas of Professional Qualification: | | | |
| (<input checked="" type="checkbox"/>) Archaeologist | | | |
| () Architectural Historian | | | |
| () Historian | | | |
| () Architect | | | |
| () Other (Specify) _____ | | | |

| | | | |
|---|---------|------------------------------|-------------|
| 36) First Name: William | 37) MI: | 38) Last Name: Keegan | 39) Suffix: |
| 40) Title: Heritage Consultants | | | |
| 41) Areas of Professional Qualification: | | | |
| () Archaeologist | | | |
| () Architectural Historian | | | |
| (<input checked="" type="checkbox"/>) Historian | | | |
| () Architect | | | |
| () Other (Specify) _____ | | | |

Site Information

Tower Construction Notification System

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|--|
| 1) TCNS Notification Number: 119720 |
|--|

Site Information

| | | |
|--|---------------------------------------|---------------------------|
| 2) Positive Train Control Filing Subject to Expedited Treatment Under Program Comment: () <u>Y</u> es (X) <u>N</u> o | | |
| 3) Site Name: Southington: East Street a/k/a Meriden Relo | | |
| 4) Site Address: 99 East Street | | |
| 5) Detailed Description of Project: Refer to Site Plans. | | |
| 6) City: Southington | 7) State: CT | 8) Zip Code: 06489 |
| 9) County/Borough/Parish: HARTFORD | | |
| 10) Nearest Crossroads: East Street and South Plains Road | | |
| 11) NAD 83 Latitude (DD-MM-SS.S): 41-35-01.1 | (X) <u>N</u> or () <u>S</u> | |
| 12) NAD 83 Longitude (DD-MM-SS.S): 072-51-52.8 | () <u>E</u> or (X) <u>W</u> | |

Tower Information

| |
|---|
| 13) Tower height above ground level (include top-mounted attachments such as lightning rods): 29.6 _____ () Feet (X) Meters |
| 14) Tower Type (Select One): () Guyed lattice tower () Self-supporting lattice (X) Monopole Pine Tree (monopine) () Other (Describe): _____ |

Project Status

| | |
|--|----------------------------------|
| 15) Current Project Status (Select One): | |
| (X) Construction has not yet commenced | |
| () Construction has commenced, but is not completed | Construction commenced on: _____ |
| () Construction has been completed | Construction commenced on: _____ |
| Construction completed on: _____ | |

Determination of Effect

14) Direct Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

Tribal/NHO Involvement

| | |
|--|--|
| 1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects? | <input checked="" type="checkbox"/> Yes () No |
| 2a) Tribes/NHOs contacted through TCNS Notification Number: <u>119720</u> | Number of Tribes/NHOs: <u>0</u> |
| 2b) Tribes/NHOs contacted through an alternate system: | Number of Tribes/NHOs: <u>0</u> |

Tribes/NHO Contacted Through TCNS

| |
|--------------------|
| 3) Tribe/NHO FRN: |
| 4) Tribe/NHO Name: |

Contact Name

| | | | |
|----------------|--------|---------------|------------|
| 5) First Name: | 6) MI: | 7) Last Name: | 8) Suffix: |
| 9) Title: | | | |

Dates & Response

| | |
|--|------------------------|
| 10) Date Contacted _____ | 11) Date Replied _____ |
| <input type="checkbox"/> No Reply | |
| <input type="checkbox"/> Replied/No Interest | |
| <input type="checkbox"/> Replied/Have Interest | |
| <input type="checkbox"/> Replied/Other | |

Other Tribes/NHOs Contacted

Tribe/NHO Information

| |
|-----------------------------------|
| 1) FCC Registration Number (FRN): |
| 2) Name: |

Contact Name

| | | | |
|----------------|--------|---------------|------------|
| 3) First Name: | 4) MI: | 5) Last Name: | 6) Suffix: |
| 7) Title: | | | |

Contact Information

| | | |
|---|--------------------|--------------------|
| 8) P.O. Box: | And /Or | 9) Street Address: |
| 10) City: | 11) State: | 12) Zip Code: |
| 13) Telephone Number: | 14) Fax Number: | |
| 15) E-mail Address: | | |
| 16) Preferred means of communication: | | |
| <input type="checkbox"/> E-mail <input type="checkbox"/> Letter <input type="checkbox"/> Both | | |

Dates & Response

| | |
|---|------------------------|
| 17) Date Contacted _____ | 18) Date Replied _____ |
| <input type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other | |

Historic Properties

Properties Identified

| | |
|--|---|
| 1) Have any historic properties been identified within the APEs for direct and visual effect? | (<input checked="" type="checkbox"/>) Yes (<input type="checkbox"/>) No |
| 2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs? | (<input type="checkbox"/>) Yes (<input checked="" type="checkbox"/>) No |
| 3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below. | (<input type="checkbox"/>) Yes (<input checked="" type="checkbox"/>) No |

Historic Property

| |
|--|
| 4) Property Name: Dr. J. Porter House |
| 5) SHPO Site Number: |

Property Address

| | | |
|--|---------------------|---------------------------|
| 6) Street Address: 391 Belleview Ave. | | |
| 7) City: Southington | 8) State: CT | 9) Zip Code: 06489 |
| 10) County/Borough/Parish: HARTFORD | | |

Status & Eligibility

| | |
|--|---|
| 11) Is this property listed on the National Register? Source: <u>National Register Database (NR# 88003096)</u> | (<input checked="" type="checkbox"/>) Yes (<input type="checkbox"/>) No |
| 12) Is this property eligible for listing on the National Register? Source: <u>National Register Database (NR# 88003096)</u> | (<input checked="" type="checkbox"/>) Yes (<input type="checkbox"/>) No |
| 13) Is this property a National Historic Landmark? | (<input type="checkbox"/>) Yes (<input checked="" type="checkbox"/>) No |

| |
|---|
| 14) Direct Effects (Select One): <input checked="" type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE |
| 15) Visual Effects (Select One): <input type="checkbox"/> No Effect on this Historic Property in APE <input checked="" type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE |

Local Government Involvement

Local Government Agency

| |
|--|
| 1) FCC Registration Number (FRN): |
| 2) Name: Southington Town Manager |

Contact Name

| | | | |
|-------------------------------|--------|-------------------------------|------------|
| 3) First Name: Garry | 4) MI: | 5) Last Name: Brumback | 6) Suffix: |
| 7) Title: Town Manager | | | |

Contact Information

| | | | |
|--|---------|--|----------------------------|
| 8) P.O. Box: | And /Or | 9) Street Address: 75 Main Street | |
| 10) City: Southington | | 11) State: CT | 12) Zip Code: 06489 |
| 13) Telephone Number: (860)276-6200 | | 14) Fax Number: | |
| 15) E-mail Address: brumbackg@southington.org | | | |
| 16) Preferred means of communication: () E-mail (X) Letter () Both | | | |

Dates & Response

| | |
|--------------------------------------|------------------------|
| 17) Date Contacted <u>11/03/2014</u> | 18) Date Replied _____ |
| (X) No Reply | |
| () Replied/No Interest | |
| () Replied/Have Interest | |
| () Replied/Other | |

Additional Information

| |
|--|
| 19) Information on local government's role or interest (optional): |
|--|

Local Government Involvement

Local Government Agency

| |
|--|
| 1) FCC Registration Number (FRN): |
| 2) Name: Southington Planning and Zoning Commission |

Contact Name

| | | | |
|---|--------|-------------------------------|------------|
| 3) First Name: Robert | 4) MI: | 5) Last Name: Phillips | 6) Suffix: |
| 7) Title: Director of Planning and Development | | | |

Contact Information

| | | |
|--|----------------------|--|
| 8) P.O. Box: | And /Or | 9) Street Address: 75 Main Street |
| 10) City: Southington | 11) State: CT | 12) Zip Code: 06489 |
| 13) Telephone Number: (860)276-6248 | 14) Fax Number: | |
| 15) E-mail Address: phillipsr@southington.org | | |
| 16) Preferred means of communication: () E-mail (X) Letter () Both | | |

Dates & Response

| | |
|--------------------------------------|------------------------|
| 17) Date Contacted 11/03/2014 | 18) Date Replied _____ |
| (X) No Reply | |
| () Replied/No Interest | |
| () Replied/Have Interest | |
| () Replied/Other | |

Additional Information

| |
|--|
| 19) Information on local government's role or interest (optional): |
|--|

Other Consulting Parties

Other Consulting Parties Contacted

| | |
|--|--|
| 1) Has any other agency been contacted and invited to become a consulting party? | <input checked="" type="checkbox"/> Yes () No |
|--|--|

Consulting Party

| |
|--|
| 2) FCC Registration Number (FRN): |
| 3) Name: Southington Historical Society |

Contact Name

| | | | |
|---------------------------|--------|--------------------------|------------|
| 4) First Name: N/A | 5) MI: | 6) Last Name: N/A | 7) Suffix: |
| 8) Title: Director | | | |

Contact Information

| | | | | |
|---|---------|--|----------------------------|--|
| 9) P.O. Box: | And /Or | 10) Street Address: 239 Main Street | | |
| 11) City: Southington | | 12) State: CT | 13) Zip Code: 06489 | |
| 14) Telephone Number: (860)621-4811 | | 15) Fax Number: | | |
| 16) E-mail Address: history06489@gmail.com | | | | |
| 17) Preferred means of communication: | | | | |
| () E-mail | | | | |
| (X) Letter | | | | |
| () Both | | | | |

Dates & Response

| | |
|--------------------------------------|------------------------|
| 18) Date Contacted 11/03/2014 | 19) Date Replied _____ |
| (X) No Reply | |
| () Replied/No Interest | |
| () Replied/Have Interest | |
| () Replied/Other | |

Additional Information

| |
|---|
| 20) Information on other consulting parties' role or interest (optional): |
|---|

Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

SHPO/THPO

| |
|--|
| Name: <u>Connecticut Historical Commission (TCNS SHPO)</u> |
|--|

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

| |
|-----------------------|
| SHPO/THPO Name: _____ |
| SHPO/THPO Name: _____ |
| SHPO/THPO Name: _____ |

Certification

| | | | |
|---|-----|------------|-------------|
| I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete. | | | |
| Party Authorized to Sign | | | |
| First Name: | MI: | Last Name: | Suffix: |
| Signature: _____ | | | Date: _____ |
| FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID. | | | |
| WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503). | | | |

NEW TOWER SUBMISSION PACKET – FCC FORM 620

Attachment 1 – Consultant Information

Provide a current copy of the résumé or curriculum vitae for the Principal Investigator and any researcher or other person who contributed to, reviewed, or provided significant input into the research, analysis, writing or conclusions presented in this filing.

Current curriculum vitae or résumés are included within this attachment and are on file at the Connecticut State Historic Preservation Office for the Principal Investigator and any researcher or other person who contributed to, reviewed, or provided significant input into the research, analysis, writing or conclusions presented in this filing.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

Lucas A. Karmazinas, M.A.

940 West Boulevard
Hartford, CT 06105
(860) 428-7982

Lucas.Karmazinas@gmail.com

Objective

To apply an education and job experience in the fields of architectural history, historic preservation, cultural resource management, and urban planning demanding scholarship, creativity, and advocacy at a professional level.

Education

Master of Arts, Public History and Historic Preservation. 2009. Central Connecticut State University, New Britain, CT
Bachelor of Arts, Liberal Arts and Sciences. 2003. University of Connecticut, Storrs, CT

Professional Experience

FuturePast Preservation, Hartford, CT. Established 2009.

Lucas Karmazinas: Principal, Architectural Historian, Preservation Planner. 2009-Present.

Mr. Karmazinas provides clients with consultant services related to historic preservation, architectural history, cultural resource management, historical research, and urban planning. Specialties include preparation of National Register of Historic Places nominations, State of Connecticut Register of Historic Places nominations, Local Historic District nominations, Historic Resource Inventory (HRI) surveys, National Environmental Policy Act (NEPA) compliance evaluations, Section 106 surveys, and State and Federal rehabilitation tax credit applications. Functions as a liaison between the owners of historic properties (both public and private) and Federal, State, and local entities – including non-profits and advocacy groups – involved in the processes of preservation, rehabilitation, and redevelopment. Conducts preliminary historical research, architectural analysis, and photo-documentation of resources and landscapes necessary to identify those possessing historical or cultural significance. Responsible for the employment and oversight of contract historians and consultants, as well as all budgetary and business planning needs.

Project Experience

National and State of Connecticut Register of Historic Places Nominations, Local Historic District Nominations.

A Federal and State-certified Architectural Historian responsible for the nomination of over 600 historic resources to the National and/or State of Connecticut Register of Historic Places, with another 470+ resources currently pending review and approval. Prepared requisite applications for the inclusion of individual structures or historic districts on historic registers. Evaluated historic and cultural resources for potential listing on historic registers. Conducted historical research, architectural analysis, and photo-documentation of historic and cultural resources. Oversaw public informational meetings regarding nomination processes and their implications.

Sample National Register of Historic Places Nominations:

- “George W. Crawford Manor,” 94 Park Street, New Haven, CT, 2013-Present.
- “Parkville Industrial Historic District,” Hartford, CT, 2013-Present.
- “Sisson-South Whitney Historic District,” Hartford, CT, 2011-2013.
- “Kensington Grammar/Jean E. Hooker High School,” 462 Alling Street, Berlin, CT, 2011-2012.

Sample State of Connecticut Register of Historic Places Nominations:

- “Hartford Rubber Works Company Factory,” 45-55 Bartholomew Avenue, Hartford, CT, 2014.
- “Hotel America,” 5 Constitution Plaza, Hartford, CT, 2011.
- “New Haven Screw Company Factory,” 191 Foster Street, New Haven, CT, 2011.
- “Yale Armory,” 40 Central Avenue, New Haven, CT, 2009.

Sample Local Historic District Nominations:

- “Guilford Town Center Historic District Boundary Increase,” Guilford, CT, 2012.

Historic Resource Inventories and Historical Surveys.

Conducted all aspects of historical research, architectural analysis, and writing involved in completing Historic Resource Inventories, a comprehensive survey document used by the State of Connecticut to identify and record historic resources. Carried out architectural surveys, historical research, and photo documentation of historically significant architecture related to the history and development of Connecticut cities and towns. Researched and documented the architectural character and developmental history of over 970 historic resources in the State of Connecticut. Coordinated with the State Historic Preservation office and local entities, including municipalities, historical societies, and preservation advocacy groups. Oversaw public informational meetings regarding the survey process and its implications. Participated in fieldwork and data input involved in preparing and compiling a database of 20,000 buildings in Hartford, CT.

Sample Historic Resource Inventories:

- “Historic Resources Inventory Survey of Historic Architecture, Phase IIIa & b, South Windsor, CT,” 2014.
- “Historic Resources Inventory Survey of Historic Architecture, Meriden, CT,” 2013-2014.
- “Historic Resources Inventory Survey of Historic Architecture, Clinton, CT,” 2012-2013.
- “Historic Resources Inventory Survey of Historic Architecture, Deep River, CT,” 2011.

National Environmental Policy Act (NEPA) compliance evaluations.

Conducted architectural analysis, historical evaluation, and form preparation involved in completing Federal Communications Commission Forms 620/621, the applications used by the FCC to identify and record historic resources impacted by telecommunication projects involving new tower construction and collocations in compliance with National Environmental Policy Act (NEPA) rules and Section 106 of the National Historic Preservation Act (NHPA).

Sample National Environmental Policy Act (NEPA) compliance evaluations:

- Completed dozens of FCC Wireless Telecommunications Bureau New Tower (“NT”) Submissions Packets (FCC Form 620) and FCC Wireless Telecommunications Bureau Collocation (“CO”) Submissions Packets (FCC Form 621) throughout Connecticut, Massachusetts, Rhode Island, and Vermont, 2014-Present.

Sample Section 106 Historical Surveys:

- “Cultural Resources Reconnaissance Survey for Landscape Improvements to the Coltsville Industrial District,” Hartford, CT, 2012.

Federal and State Historic Preservation Tax Credit Applications.

Responsible for the preparation of Federal and State of Connecticut tax credit applications and oversight of historic rehabilitation projects. Conducted historical research, architectural analysis, and photo-documentation necessary to complete rehabilitation tax credit applications. Served as a liaison between the owners of historic properties and the Federal, State, and local entities involved in the tax credit application and rehabilitation process. Consulted with architects, contractors, developers, and property owners to successfully create rehabilitation plans compliant with the Secretary of the Interior’s Standards for Historic Preservation.

Sample Federal and State Historic Preservation Tax Credit Applications:

- “Federal and State of Connecticut Historic Preservation Tax Credit Applications, Summit Park,” 887-891 and 897-901 Park Street; 439-441 and 443-445 Summit Street; and 445-449 and 459-461 Zion Street, Hartford, CT, 2012-Present.
- “Federal and State of Connecticut Historic Preservation Tax Credit Applications, Lovell School,” 45 Nash Street, New Haven, CT, 2011-2012.

Professional Affiliations, Community Work, Awards and Honors

- 2012-Present – Co-Chair, West End Civic Association, Architectural History and Resources Committee.
- 2012-Present – Board Member, Parkville Neighborhood Revitalization Zone.
- 2010-Present – Member, National Trust for Historic Preservation.
- 2009-2011 – Volunteer, New Haven Preservation Trust, Historic Resources Inventory survey of Modernist architecture in New Haven, Connecticut.
- 2008 – Recipient, “Graduate Studies Academic Award for MA Program in Public History,” given by the School of Graduate Studies, Central Connecticut State University.



DAVID R. GEORGE, M.A, R.P.A.
PRINCIPAL INVESTIGATOR

EDUCATION

Bachelor of Science in Business Management, Ithaca College, Ithaca, New York, 1990.
Master of Arts in Anthropology, University of Connecticut, Storrs, Connecticut, 1992.
Introduction to Federal Projects and Historic Preservation Law, Section 106 Compliance, 1999.
Federal Energy Regulatory Commission, Environmental Report Preparation Seminar, 2003

ACADEMIC AWARDS AND FELLOWSHIPS

Phi Kappa Phi, 1995.
University of Connecticut Anthropology Department Research Assistantship, 1994.
University of Connecticut Anthropology Department Teaching Assistantship, 1991- 1994.
University of Connecticut Anthropology Department Pre-Doctoral Fellowship, 1992.
University of Connecticut Anthropology Department Lectureship, 1991.

PROFESSIONAL EXPERIENCE

Principal Investigator, Heritage Consultants, LLC, February 2004-Present.
Vice President-Archeological Services, Goodwin & Associates, Inc., December 2002-March 2004.
Assistant Vice President, R. Christopher Goodwin & Associates, Inc., May 2001-December 2002.
Senior Project Manager, R. Christopher Goodwin & Associates, Inc., May 2001-November 2001.
Project Manager, R. Christopher Goodwin & Associates, Inc., September 1998-May 2001.
Laboratory Supervisor/Crew Chief, Archaeological and Historical Consultants, Inc., 1996-1998.
Instructor, Department of Anthropology, University of Connecticut, Storrs, 1995-1996.
Field Director/Project Manager, Public Archaeology Survey Team, Inc., 1990-1996.
Field Technician, Office of the Connecticut State Archaeologist, 1990-1996.
Teaching Assistant, Department of Anthropology, University of Connecticut, 1991, 1994.
Field Instructor, Department of Anthropology Fieldschool, University of Connecticut, 1992-1994.

PROFESSIONAL MEMBERSHIPS

Society for American Archeology
Society for Historical Archaeology
Eastern States Archaeological Federation
Register of Professional Archeologists

SPECIAL SKILLS

Existing Conditions/Disturbance Investigations
SHPO/Native American Consultation
Geographic Information Systems Applications
Faunal, Botanical, and Lithic Analyses

PROJECT EXPERIENCE

With 24 years of experience, I have completed hundreds of cultural resources investigations, including many within the Town of Waterford.



WILLIAM F. KEEGAN, B.A.
HISTORICAL GEOGRAPHER & GIS SPECIALIST

EDUCATION

Bachelor of Arts in Anthropology and Geography, University of Connecticut, Storrs, 1996
Master of Arts Candidate in Geography, University of Connecticut, Storrs (all but thesis)
Certificate in Geographic Information Systems, University of Connecticut, Storrs (application pending)

PROFESSIONAL EXPERIENCE

Partner, Heritage Consultants, LLC, February 2004 - Present
Partner, Keegans Associates, LLC, April 1997 - April 2004
Teaching Assistant, Department of Geography, University of Connecticut, Storrs, 2000-2001

PROFESSIONAL MEMBERSHIPS

Archeological Society of Connecticut
Northeast Arc Users Group
Council for Northeastern Historic Archaeology

SPECIAL SKILLS

Geographic Information Systems
Cartography
Archival, Cartographic, and Historical Research

PROJECT EXPERIENCE

I have completed hundreds of cultural resources investigations across Connecticut during my 17 years of cultural resources management experience, many of which were in the Town of Waterford.

NEW TOWER SUBMISSION PACKET – FCC FORM 620

Attachment 2 – Site Information - Photographs

You are required to provide photographs and maps as part of this filing. Additional site information can be provided in an optional attachment.

Photograph Requirements:

Except in cases where no Historic Properties were identified within the Areas of Potential Effects, submit photographs as described below. Photographs should be in color, marked so as to identify the project, keyed to the relevant map or text, and dated; the focal length of the lens and the height of the camera should be noted. The source of any photograph included but not taken by the Applicant or its consultant (including copies of historic images) should be identified on the photograph.

- 1. Photographs taken from the tower site should show views from the proposed location in all directions. The direction (e.g., north, south, etc.) should be indicated on each photograph, and, as a group, the photographs should present a complete (360 degree) view of the area around the communications tower or non-tower structure.*
- 2. Photographs of all listed and eligible properties within the Areas of Potential Effects.*
- 3. If any listed or eligible properties are visible from the proposed tower site, photographs looking at the site from each historic property. The approximate distance in feet (meters) between the site and the historic property should be included. If any listed or eligible properties are within the APE, photos looking at each historic property should be included.*

Include aerial photos of the APE for visual effects, if available. There are a variety of publicly available websites that provide aerial photographs.

Please see the attached photographs, which were taken by Mr. David George, Archaeologist with Heritage Consultants, LLC, as part of a Preliminary Archaeological Assessment prepared for All-Points Technology Corporation, P.C. on November 1, 2014, unless otherwise noted. Two photograph location maps are included within this attachment.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489



Figure 11. Aerial view of the location of the proposed telecommunications tower in Southington, Connecticut depicting the location and direction of each the following photographs.



Photo 1. Overview photo from the proposed tower location facing northwest.



Photo 2. Overview photo from the proposed tower location facing northeast.



Photo 3. Overview photo from the proposed tower location facing southeast.



Photo 4. Overview photo from proposed tower location facing southwest.



Photo 5. Overview of the proposed tower location facing southeast.



Photo 6. Overview photo proposed tower location facing northeast.



Photo 7. Overview photo of the proposed access road facing southeast.



Photo 8. Overview photo of the proposed utility easement facing southeast.



Photo 9. Overview photo of proposed access road facing west.



Photo 10. Overview photo of proposed access road facing south.



Photo 11. Overview photo of proposed access road facing north (note gravel dumped in this area).



Photo 12. Overview photo of proposed buried utility easement facing north.

NEW TOWER SUBMISSION PACKET – FCC FORM 620



Figure 12 – Photograph Directions Map #2.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

NEW TOWER SUBMISSION PACKET – FCC FORM 620



Photograph 13.
Bing.com aerial view looking east at the Dr. J. Porter House, ca. 1754.
Assessed 11/11/2014.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

NEW TOWER SUBMISSION PACKET – FCC FORM 620



Photograph 14.
Google.com Streetview looking east at the Dr. J. Porter House (ca. 1754).
Assessed 11/11/2014.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

NEW TOWER SUBMISSION PACKET – FCC FORM 620



Photograph 15.
Google.com Streetview looking southeast towards the Host Property from the Dr. J. Porter House (ca. 1754).
Assessed 11/11/2014.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

NEW TOWER SUBMISSION PACKET – FCC FORM 620

Attachment 3 – Site Information – Map Requirements

Include one or more 7.5-minute quad USGS topographical maps that:

- a. Identify the Areas of Potential Effects for both Direct and Visual Effects. If a map is copied from the original, include a key with name of quad and date.*
- b. Show the location of the proposed collocation site and any new access roads or other easements including excavations.*
- c. Show the locations of each property listed.*
- d. Include keys for any symbols, colors, or other identifiers.*
- e. Submit color maps whenever possible.*

Please see the attached figures, which were prepared by Mr. William Keegan, Historical Geographer & GIS Specialist, with Heritage Consultants, LLC, for All-Points Technology Corporation, unless otherwise noted.

The following maps are attached to this report:

- Figure 1 – Topographic Map.
- Figure 2 – Historic Map, 1859.
- Figure 3 – Historic Aerial Image, 1934.
- Figure 4 – Historic Aerial Image, 1970.
- Figure 5 – Aerial Image, 1990.
- Figure 6 – Aerial Image, 2004.
- Figure 7 – Aerial Image, 2008.
- Figure 8 – Aerial Image, 2014.
- Figure 9 – Archaeological Resources Map.
- Figure 10 – National Register of Historic Places Resources Map.
- Figure 11 – Photograph Directions Map #1.
- Figure 12 – Photograph Directions Map #2.
- Figure 13 – Cultural Resources Scan - National.
- Figure 14 – Cultural Resources Scan - Local.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

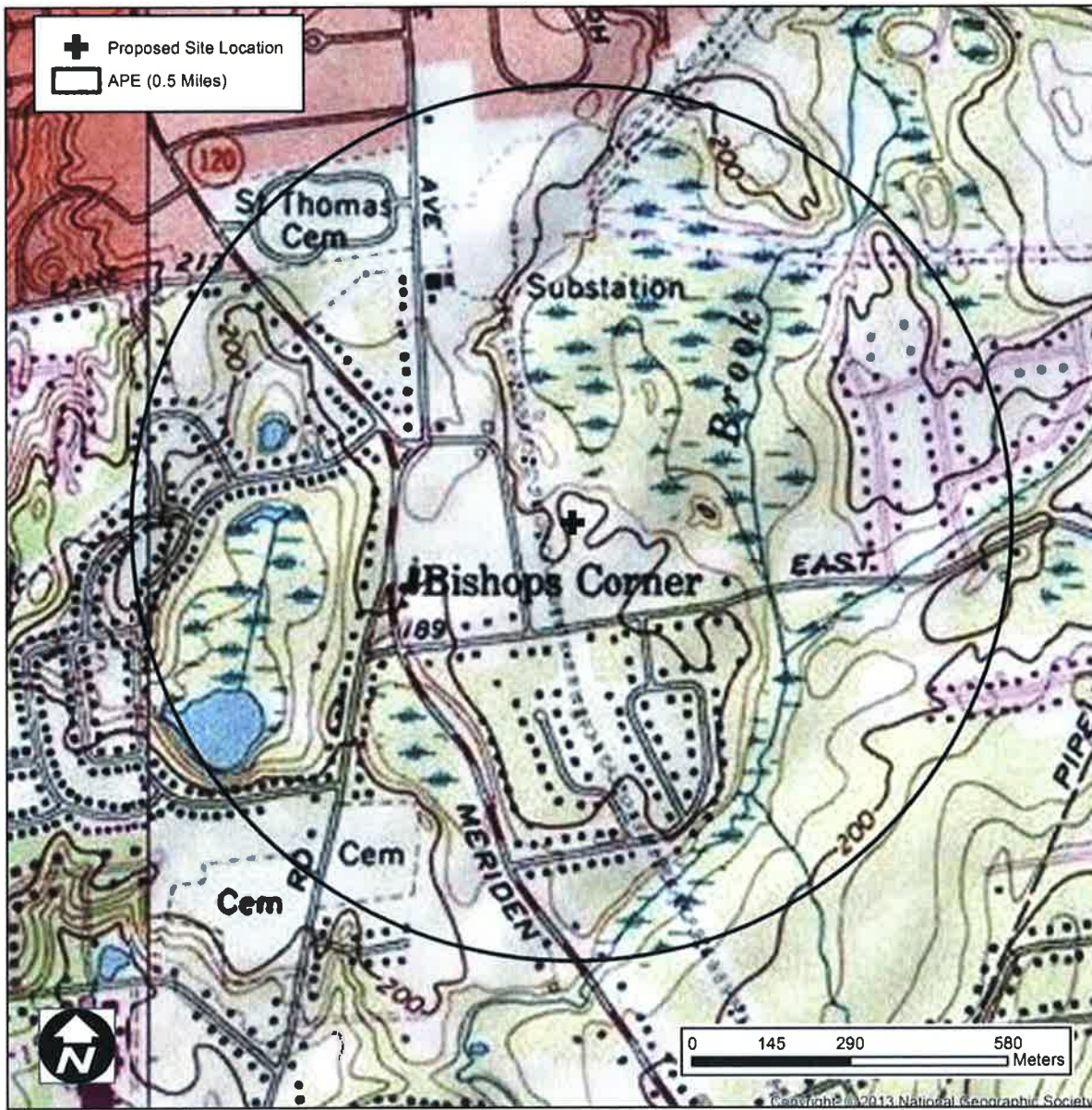


Figure 1. Excerpt from recent USGS topographic quadrangle map depicting the proposed tower location in Southington, Connecticut.

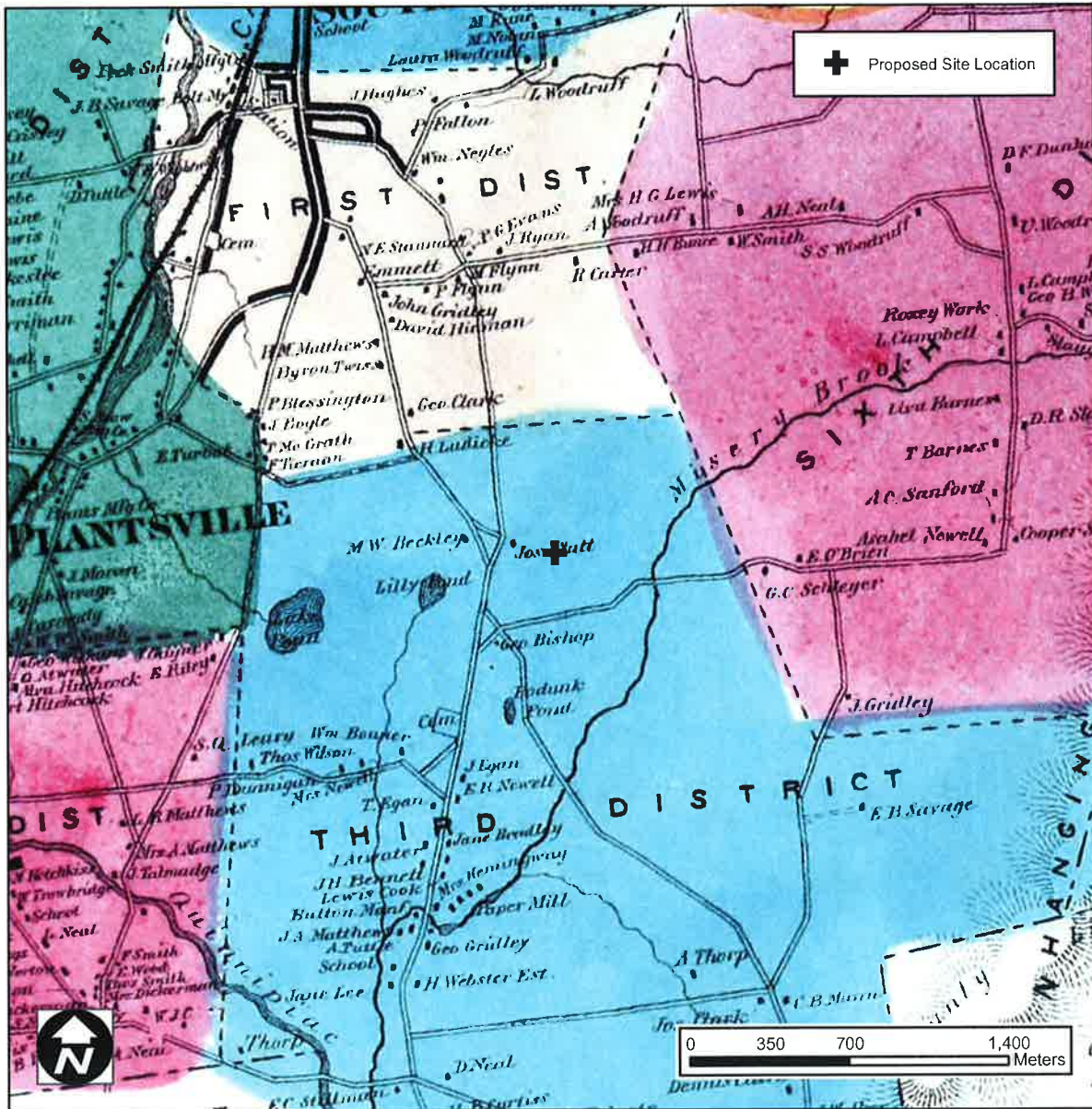


Figure 2. Excerpt from a 1859 historic map depicting the proposed tower location in Southington, Connecticut.



Figure 3. Excerpt from a 1934 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 4. Excerpt from a 1970 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 5. Excerpt from a 1990 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 6. Excerpt from a 2004 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 7. Excerpt from a 2008 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 8. Excerpt from a 2014 aerial image depicting the proposed tower location in Southington, Connecticut.

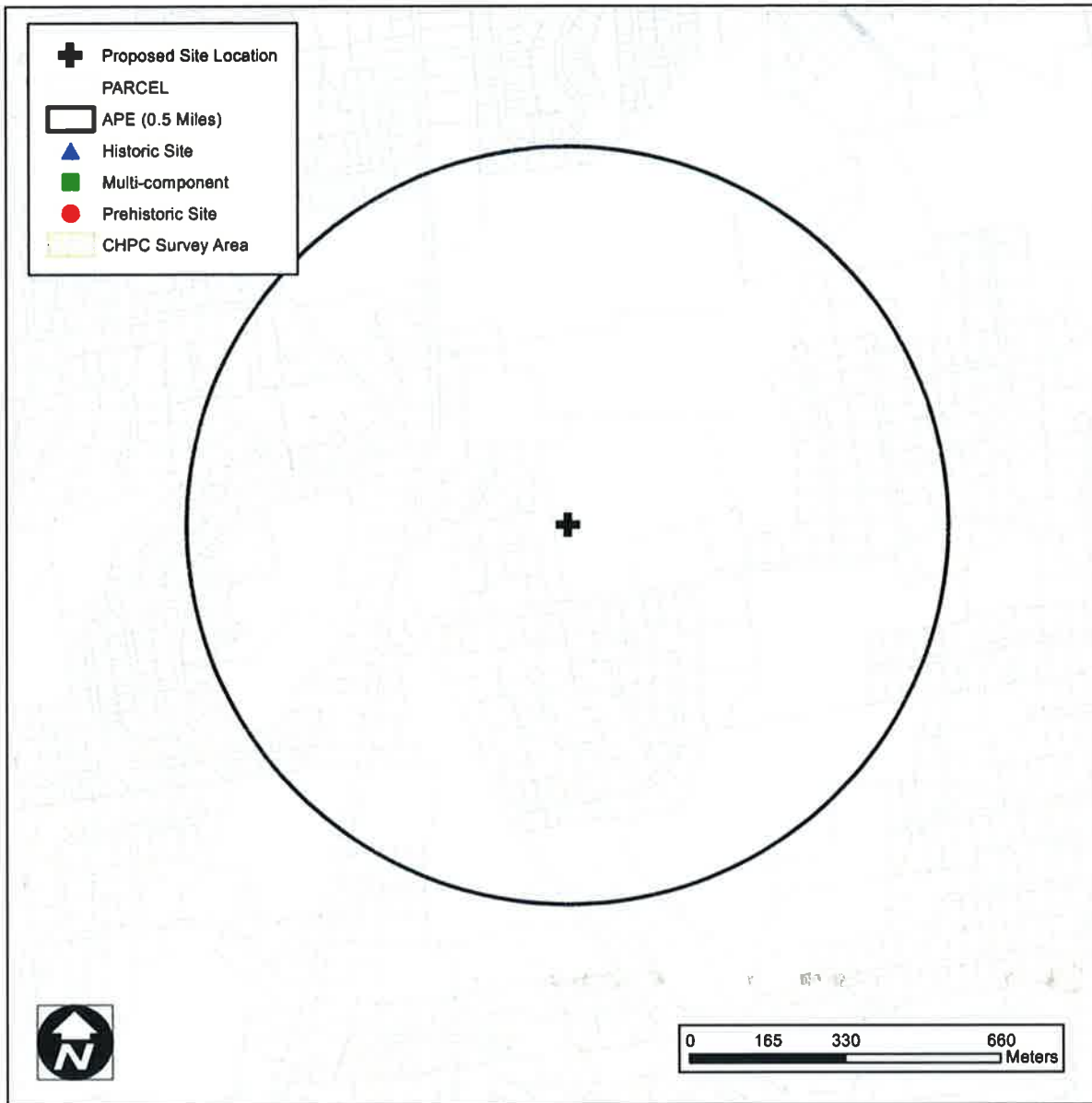


Figure 9. Digital map depicting the locations of previously recorded archaeological sites in the vicinity of the proposed tower location in Southington, Connecticut.

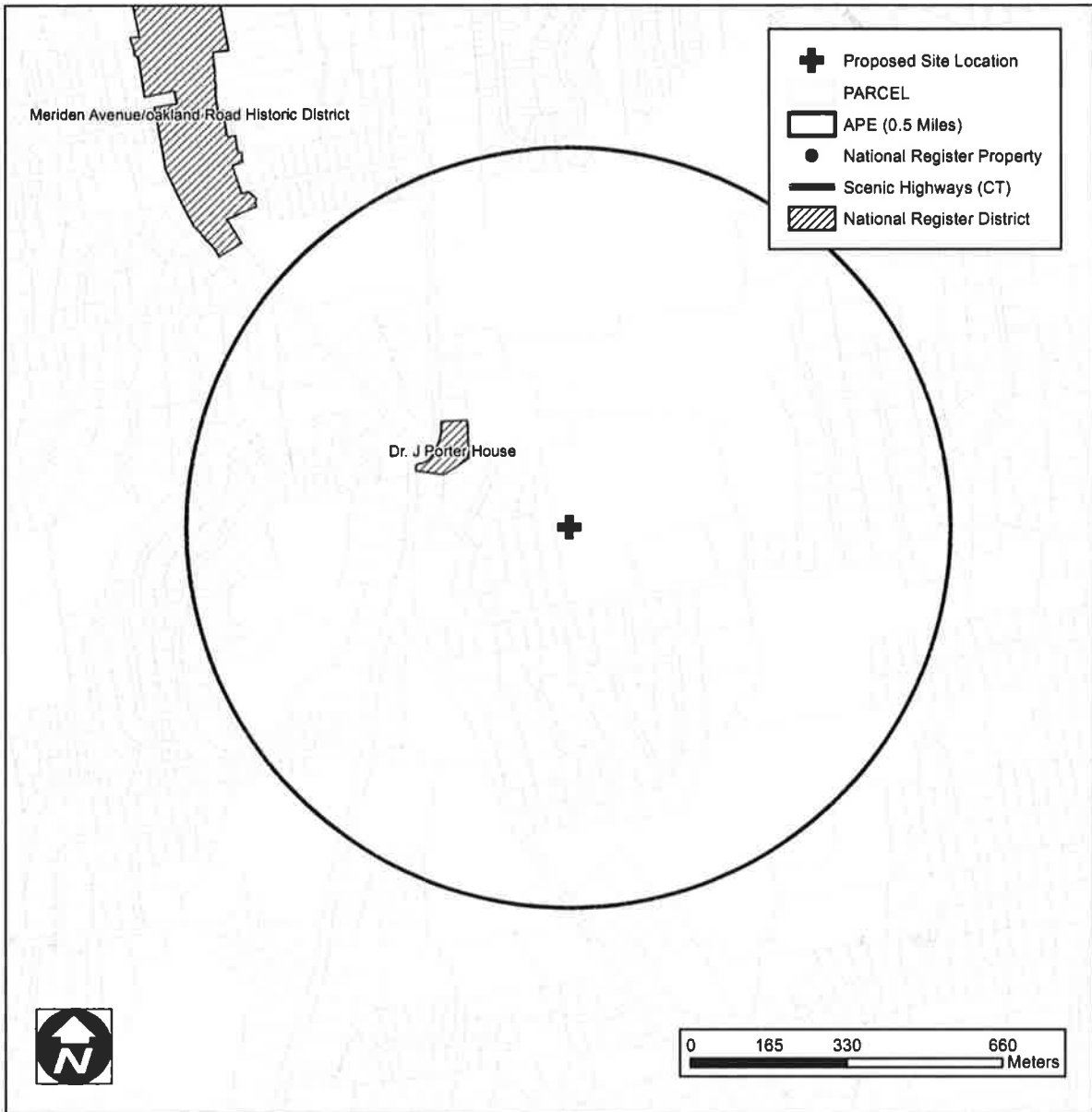


Figure 10. Digital map depicting the locations of previously recorded National Register of Historic Places properties in the vicinity of the proposed tower location in Southington, Connecticut.

NEW TOWER SUBMISSION PACKET – FCC FORM 620

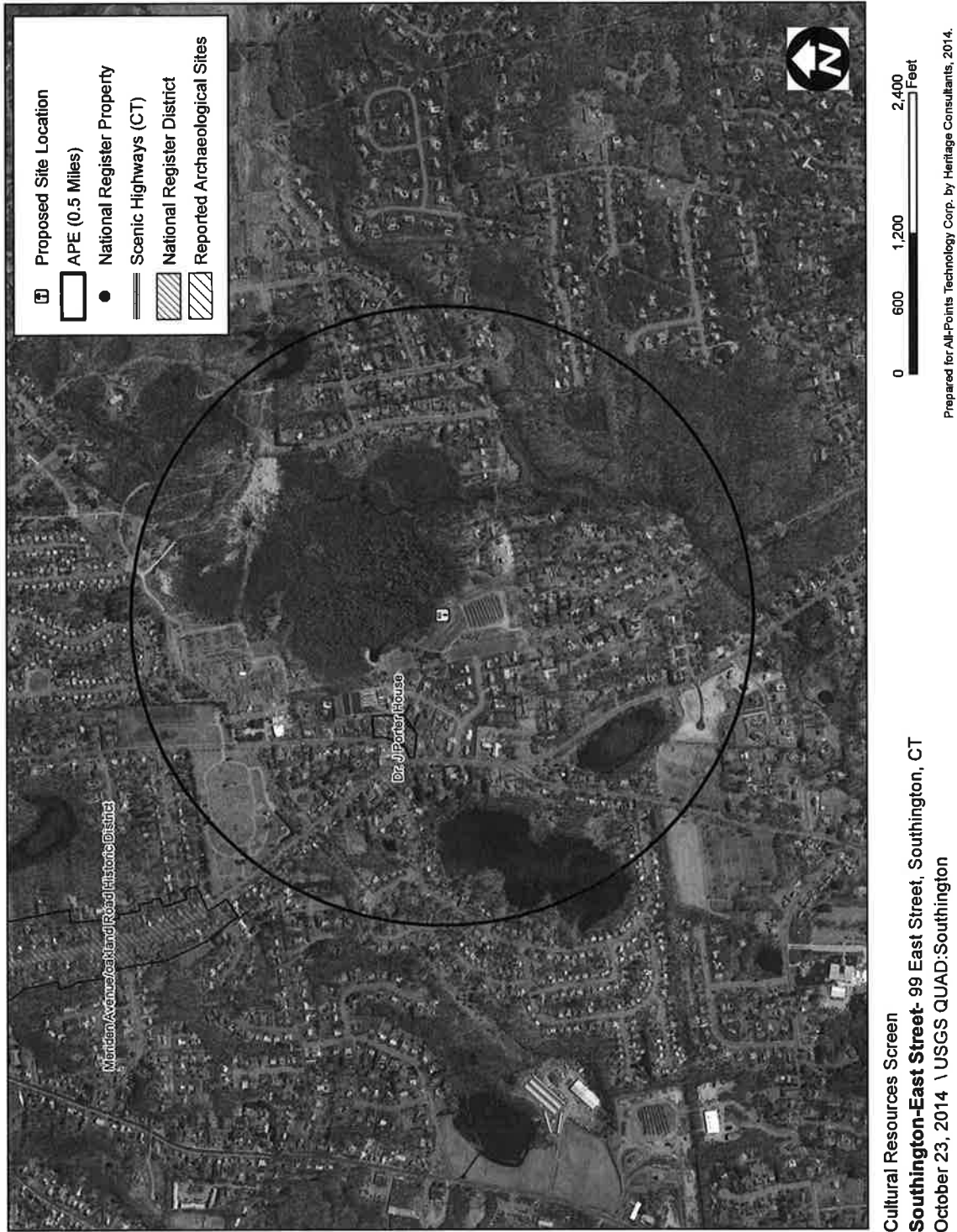


Figure 13 – Cultural Resources Screen: National.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

NEW TOWER SUBMISSION PACKET – FCC FORM 620

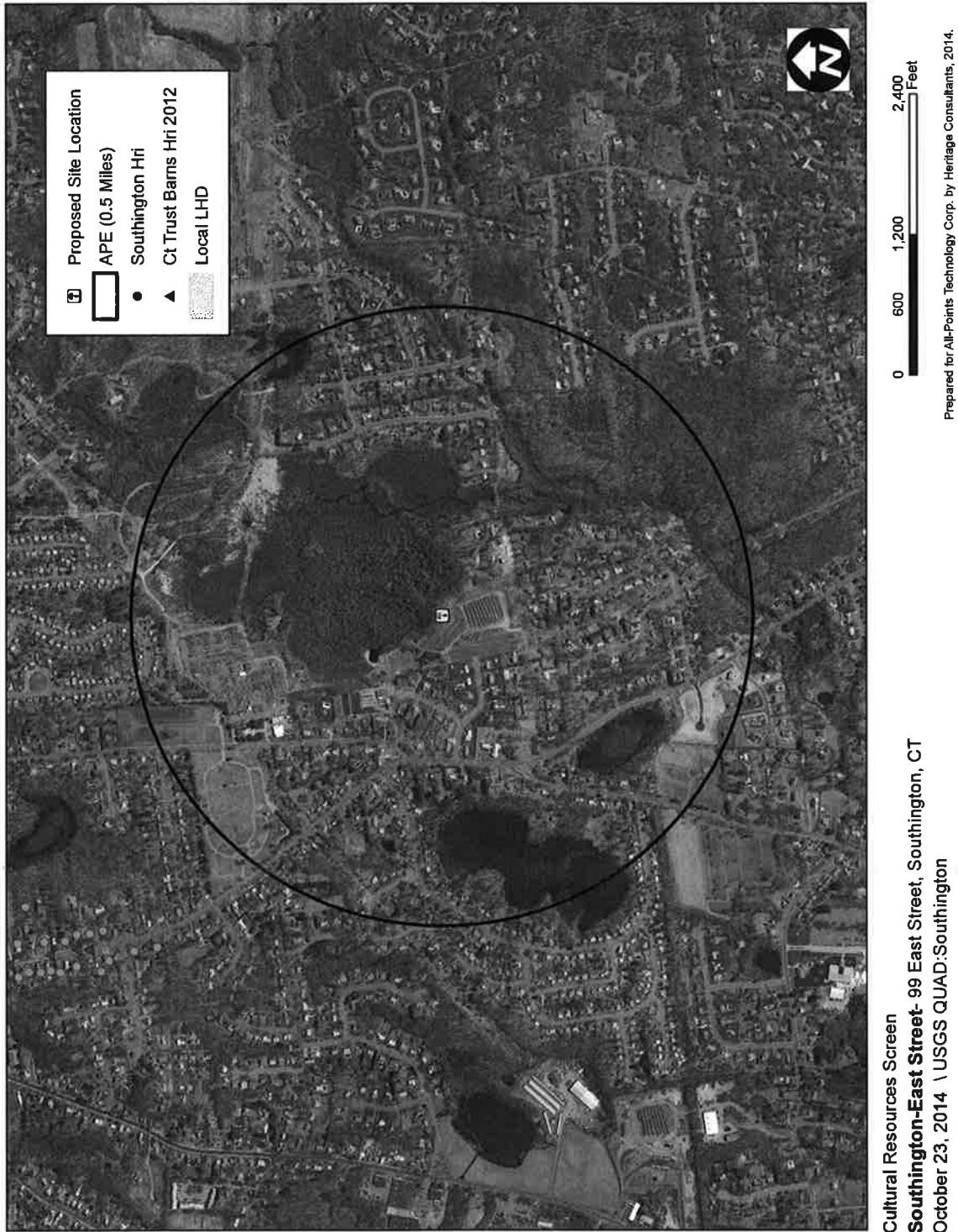


Figure 14 – Cultural Resources Screen: Local.

Applicant: Cellco Partnership, DBA Verizon Wireless

Project Number: CT1412300

Project Location: 99 East Street, Southington, CT, 06489

NEW TOWER SUBMISSION PACKET – FCC FORM 620

Attachment 4 – Site Information – Additional Site Information

Describe any additional structures, access roads, utility lines, fences, easements, or other construction planned for the site in conjunction with the proposed collocation and related facilities. Use this attachment to provide additional details needed to provide a full and accurate description of any structural alterations, additions, or other construction activities that will take place to complete the collocation.

Additional Site Information and Recommendations:

The Subject Property, located at 99 East Street, is situated 0.2 mile east of East Street's intersection with Meriden Avenue (CT Route 120), also known as Bishops Corner, and 1.4 miles southeast of Meriden Avenue's intersection with Main Street (CT Route 10), the heart of downtown Southington. The site is situated on the north side of East Street and is located at the southwest edge of a large area of wooded wetland. The Subject Property is located roughly 1.13 mile southeast of Southington Center and 1.75 miles east of Interstate 84. The area in the vicinity of the site is generally flat and was formerly agricultural, this largely given over to suburban residential development during the mid-twentieth century. The property and much of the surrounding landscape is characterized by woodland, this mixed with residential and commercial development primarily from the late-twentieth century.

Verizon Wireless is proposing to construct a 97-foot tall Stealth Structure Pine Tree (monopine) Communications Tower facility at 99 East Street in Southington, Connecticut. The Subject Property consists of an approximately 26.97-acre undeveloped parcel. The parcel is located on the north side of East Street and is currently the site of numerous large compost mounts. The proposed facility consists of a 97-foot monopine communications tower with antennas within a 50-foot x 50-foot fenced (chain link) equipment compound and lease area and associated 20-foot wide access and utility easements originating off of East Street.

Site Plans provided by Verizon Wireless are included in this attachment.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

Cellco Partnership



d.b.a. **verizon**wireless
WIRELESS COMMUNICATIONS FACILITY
SOUTHINGTON - EAST STREET
a/k/a MERIDEN RELO.
99 EAST STREET
SOUTHINGTON, CT 06489

SITE DIRECTIONS

FROM: 99 EAST STREET, SOUTHINGTON, CONNECTICUT TO: 99 EAST STREET, SOUTHINGTON, CONNECTICUT

1. FROM 99 EAST STREET, SOUTHINGTON, CONNECTICUT, TRAVEL WEST ON 99 EAST STREET FOR 0.3 M.
2. TURN LEFT TO STAY ON 99 EAST STREET FOR 0.3 M.
3. TURN LEFT TO MERIDEN ROAD THROUGH STOP SIGN FOR 0.3 M.
4. TURN LEFT TO MERIDEN ROAD THROUGH STOP SIGN FOR 0.3 M.
5. TURN LEFT ON MERIDEN ROAD FOR 0.3 M.
6. TURN LEFT ON MERIDEN ROAD FOR 0.3 M.
7. TURN LEFT ON MERIDEN ROAD FOR 0.3 M.
8. TURN LEFT ON MERIDEN ROAD FOR 0.3 M.
9. TURN LEFT ON MERIDEN ROAD FOR 0.3 M.

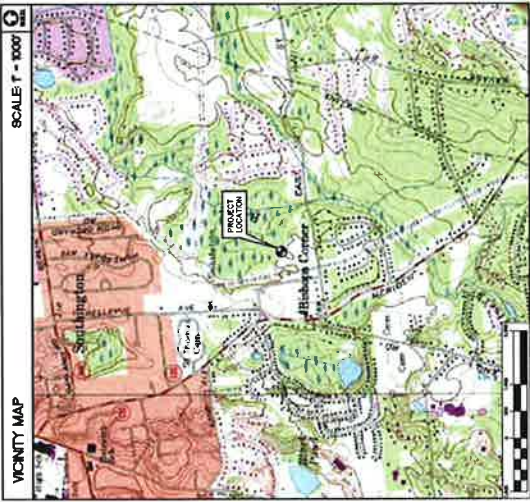
GENERAL NOTES

1. PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY CELLSITE ENGINEERING.

SITE INFORMATION

THE SCOPE OF WORK SHALL INCLUDE:

1. THE CONSTRUCTION OF A 30'x30' FINISHED WIRELESS COMMUNICATIONS COMPANED.
2. A TOWER TO BE BUILT ON AN EXISTING PAVED LOT. ANTENNAS ARE PROPOSED TO BE MOUNTED AT A CENTRAL ELEVATION OF 80'-0" AGL ON A 60'-0" x 30'-0" PROPOSED STEEL MARKING TOWER.
3. POWER AND TELECO UNITS SHALL BE ROUTED UNDERGROUND FROM EXISTING RESPECTIVE UTILITIES TO THE PROPOSED TOWER. THE EXISTING UTILITIES SHALL BE IDENTIFIED AND VERIFIED/LOCATED BY LOCAL UTILITY COMPANIES. UTILITIES WILL BE ROUTED UNDERGROUND AND LOCATED WITHIN FINISHED COMPANED AREA. LOCAL WIRELESS COMPANED SHALL BE NOTIFIED OF THE PROPOSED TOWER AND ANTENNA WORKS SHALL BE INCLUDED IN THE GROUND PLANS.
4. THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2005 INTERNATIONAL BUILDING CODE AS ADOPTED BY THE STATE OF CONNECTICUT.
5. THERE WILL NOT BE ANY CHANGES TO THE EXISTING UTILITIES OR STRUCTURES.
6. THERE WILL NOT BE ANY CHANGES TO THE EXISTING UTILITIES OR STRUCTURES.



PROJECT SUMMARY

SITE NAME: SOUTHINGTON - EAST STREET a/k/a MERIDEN RELO.
SITE ADDRESS: 99 EAST STREET, SOUTHINGTON, CT 06489
PROPERTY OWNER: TOWN OF SOUTHINGTON
LEASER/TENANT: 75 MAIN STREET, SOUTHINGTON, CT 06489
CONTACT PERSON: SANDY CARTER, CELLCO PARTNERSHIP, 1000 WASHINGTON ST., SUITE 200, SOUTHINGTON, CT 06489
TOWER COORDINATES: LATITUDE: 41°-34'-51.117" N, LONGITUDE: 72°-51'-52.889" W, ELEVATION: 162.2 ± AGL ± 1.0 M. THE SITE COORDINATES ARE BASED ON THE NAD 83 DATUM. THE SITE COORDINATES ARE PROVIDED FOR VERIFICATION PURPOSES ONLY. THE SITE COORDINATES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. DATE: AUGUST 12, 2014. REVISION: OCTOBER 20, 2014.

SHEET INDEX

| SHEET NO. | DESCRIPTION |
|-----------|-----------------------------|
| 1 | TITLE SHEET |
| 2 | COMPANED PLAN AND ELEVATION |

Cellco Partnership
CELLSITING
 SOUTHINGTON - EAST STREET
 a/k/a MERIDEN RELO.
 99 EAST STREET
 SOUTHINGTON, CT 06489

DATE: 10/13/14
 DRAWN BY: JAW/BJP
 JOB NO.: 14030300

TITLE SHEET
T-1

NEW TOWER SUBMISSION PACKET – FCC FORM 620

Attachment 4 – Site Information – Additional Site Information

Describe any additional structures, access roads, utility lines, fences, easements, or other construction planned for the site in conjunction with the proposed collocation and related facilities. Use this attachment to provide additional details needed to provide a full and accurate description of any structural alterations, additions, or other construction activities that will take place to complete the collocation.

Additional Site Information and Recommendations:

The Subject Property, located at 99 East Street, is situated 0.2 mile east of East Street's intersection with Meriden Avenue (CT Route 120), also known as Bishops Corner, and 1.4 miles southeast of Meriden Avenue's intersection with Main Street (CT Route 10), the heart of downtown Southington. The site is situated on the north side of East Street and is located at the southwest edge of a large area of wooded wetland. The Subject Property is located roughly 1.13 mile southeast of Southington Center and 1.75 miles east of Interstate 84. The area in the vicinity of the site is generally flat and was formerly agricultural, this largely given over to suburban residential development during the mid-twentieth century. The property and much of the surrounding landscape is characterized by woodland, this mixed with residential and commercial development primarily from the late-twentieth century.

Verizon Wireless is proposing to construct a 97-foot tall Stealth Structure Pine Tree (monopine) Communications Tower facility at 99 East Street in Southington, Connecticut. The Subject Property consists of an approximately 26.97-acre undeveloped parcel. The parcel is located on the north side of East Street and is currently a storage site for numerous large compost mounds. The proposed facility consists of a 97-foot monopine communications tower with antennas within a 50-foot x 50-foot fenced (chain link) equipment compound and lease area and associated 20-foot wide access and utility easements originating off of East Street.

Site Plans provided by Verizon Wireless are included in this attachment.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

NEW TOWER SUBMISSION PACKET – FCC FORM 620

Mitigation of Effect Guidelines:

In the case where an Adverse Visual Effect or Adverse Direct Effect has been determined you must provide the following:

- 1. Copies of any correspondence and summaries of any oral communications with the SHPO/THPO and any consulting parties.*

As of the date of this report, there has been no correspondence with the SHPO/THPO.

Describe any alternatives that have been considered that might avoid, minimize, or mitigate any adverse effects. Explain the Applicant's conclusion regarding the feasibility of each alternative.

No adverse effects are expected as a result of the proposed Undertaking; therefore, alternatives that might avoid, minimize, or mitigate any adverse effects need not be considered. As such, as of the date of this report, there has been no correspondence with the SHPO/THPO regarding mitigation of effect.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

NEW TOWER SUBMISSION PACKET – FCC FORM 620

Attachment 6 – Historic Properties Attachment

You are required to provide two attachments regarding the Determination of Effect: Areas of Potential Effect and Mitigation of Effect (if applicable).

File reviews of the National Register Database, Connecticut State Historic Register, and Connecticut State Historic Resource Inventory were conducted by Lucas Karmazinas, architectural historian with FuturePast Preservation, and Mr. William Keegan, Historical Geographer & GIS Specialist, with Heritage Consultants, LLC, to identify Historic Properties within the APEs for Visual and Direct Effects. Mr. Karmazinas also completed an evaluation of NRHP eligibility, according to the NRHP criteria of eligibility (36 C.F.R. Part 63), for any additional properties identified within the APE for direct or visual effects that may not have been identified during a review of the aforementioned files. The results of these reviews are discussed below, as necessary.

A preliminary archaeological assessment prepared by Mr. David George, archaeologist with Heritage Consultants, LLC, on November 2, 2014, for All-Points Technology corporation, P.C. is also included with these attachments.

Historic Properties Identified within the APE for Direct Effects:

No Historic Properties were identified within the APE for direct effects.

Historic Properties Identified within the APE for Visual Effects:

One (1) Historic Property previously listed or deemed eligible for the National Register of Historic Places was identified within the APE for Visual Effects. This is the Dr. J. Porter House, an individually-listed Colonial style residence with Greek Revival portico (ca. 1754) located at 391 Belleview Avenue (NR# 88003096).

Despite the presence of the aforementioned resource, it is the opinion of the investigator that the Undertaking would present No Adverse Effects to the Historic Property within the APEs as its limited height and resultant minimal visibility would not compromise the character and integrity that constitutes its historical significance.

As of the date of this report, All-Points Technology has not received comments from Indian Tribes, NHOs, local governments, or members of the public that identify Historic Properties in the APE for visual effects that are not listed in the above list of Historic Properties.

No properties included in the APEs were considered no longer eligible for inclusion in the National Register by the Applicant.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489



INTEGRATED HISTORIC PRESERVATION PLANNING

November 2, 2014

Ms. Nicole Castro
All-Points Technology Corporation
3 Saddlebrook Drive
Killingworth, CT 06419

RE: Preliminary Archeological Assessment of a Proposed Telecommunications Tower Located at 99 East Street in Southington, Connecticut

Ms. Castro:

Heritage Consultants, LLC, is pleased to have this opportunity to provide All-Points Technology Corporation with the following preliminary archeological assessment of a proposed telecommunications tower located at 99 East Street in Southington, Connecticut (Figure 1). The proposed undertaking will include the installation of a proposed 97 ft monopine tower, equipment shelter, propane tank, and transformer, all of which will be enclosed by a 50 x 50 ft compound with a chain link fence. The facility also will contain a buried utility corridor and a separate access road. The current project entailed completion of an existing conditions cultural resources summary based on the examination of GIS data obtained from the Connecticut State Historic Preservation Office, as well as historical data, aerial photographs, and topographic quadrangles maintained by Heritage Consultants, LLC. This investigation did not consider the effects of the proposed construction upon built resources, and it is based upon project location information provided to Heritage Consultants, LLC by All-Points Technology Corporation. The objectives of this study were to gather and present data regarding previously identified cultural resources situated within 0.8 km (0.5 mi) of the proposed tower location and to investigate the proposed project parcel in terms of its natural and historical characteristics so that the need for completing additional cultural resources investigations could be evaluated.

Figure 2 shows that this portion of Southington remained a rural area during the nineteenth century even though more densely settled population areas existed to the north, west, and south. It is clear that this portion of Southington contained a well-developed transportation network by the 1860s. A review of Figure 3, an aerial image dating from 1934, shows that this area of Southington was agricultural in nature during the early portion of the twentieth century, and it contained not only crop fields but also orchards as well. Figure 4, an aerial image from 1970, shows that the region remained largely unchanged from the 1930s and that the proposed tower location was situated in an orchard. Figure 5, an aerial image taken in 1990, shows that profound changes had occurred in the immediate vicinity of the proposed tower location and associated access road and buried utility corridor. A massive pile of fill had been stockpiled in the area and the orchard had greatly diminished in size. The subsequent aerial image, Figure 6, was taken in 2004 and it shows that the previous massive stockpile of dirt had been spread out to the north and west, as well as stockpiled in several linear mounds to the south of the proposed tower location. Figure 7, a 2008 aerial image shows a similar situation as that of 2004. The final aerial image of the area was taken

Nicole Castro
November 2
Page 2

in the summer of this year. The only difference in this image is the addition of an access road along the eastern edge of the property.

In addition, a review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office revealed that while no archaeological sites exist within 0.8 km (0.5 mi) of the proposed tower location, one National Register of Historic Places property has been identified within the Area of Potential Effect (Figures 12 and 13) for Visual Effects. This property is known as the Dr. J. Porter House. This dwelling was built in 1728 and is a post and beam construction. The house is significant as an example of the Colonial style, as well as its association with Dr. Porter, who was one of Southington's largest land and slave holders.

In addition, a pedestrian survey of the proposed project area was undertaken by a representative of Heritage Consultants, LLC on November 1, 2014 (Photos 1 through 12). Visual reconnaissance of the project area resulted in the identification of numerous previous disturbances to the area, the largest of which was associated with the bulldozing and grading of the large soil stockpiles that previously existed to the south of the project area. Comparison of the photos taken during the site visit with that of the above-referenced 2014 aerial image reveals that the former soil stockpiles have been leveled and spread across the entire area containing the proposed tower location, buried utility corridor, and access road. Inspection of the ground surface revealed large deposits of plastic bags, modern glass, paper, gravel, and even shoes protruding from the ground surface within the lease area and associated facilities. The soils in these areas have undoubtedly been disturbed to a massive degree and they no longer retain their original context and research potential. Thus, it is the professional opinion of Heritage Consultants, LLC that no additional archaeological research is recommended prior to construction of the proposed tower and associated facilities.

If you have any questions regarding this Technical Memorandum, or if we may be of additional assistance with this or any other projects you may have, please do not hesitate to call us at 860-667-3001 or email us info@heritage-consultants.com. We are at your service.

Sincerely,



David R. George, M.A., R.P.A.

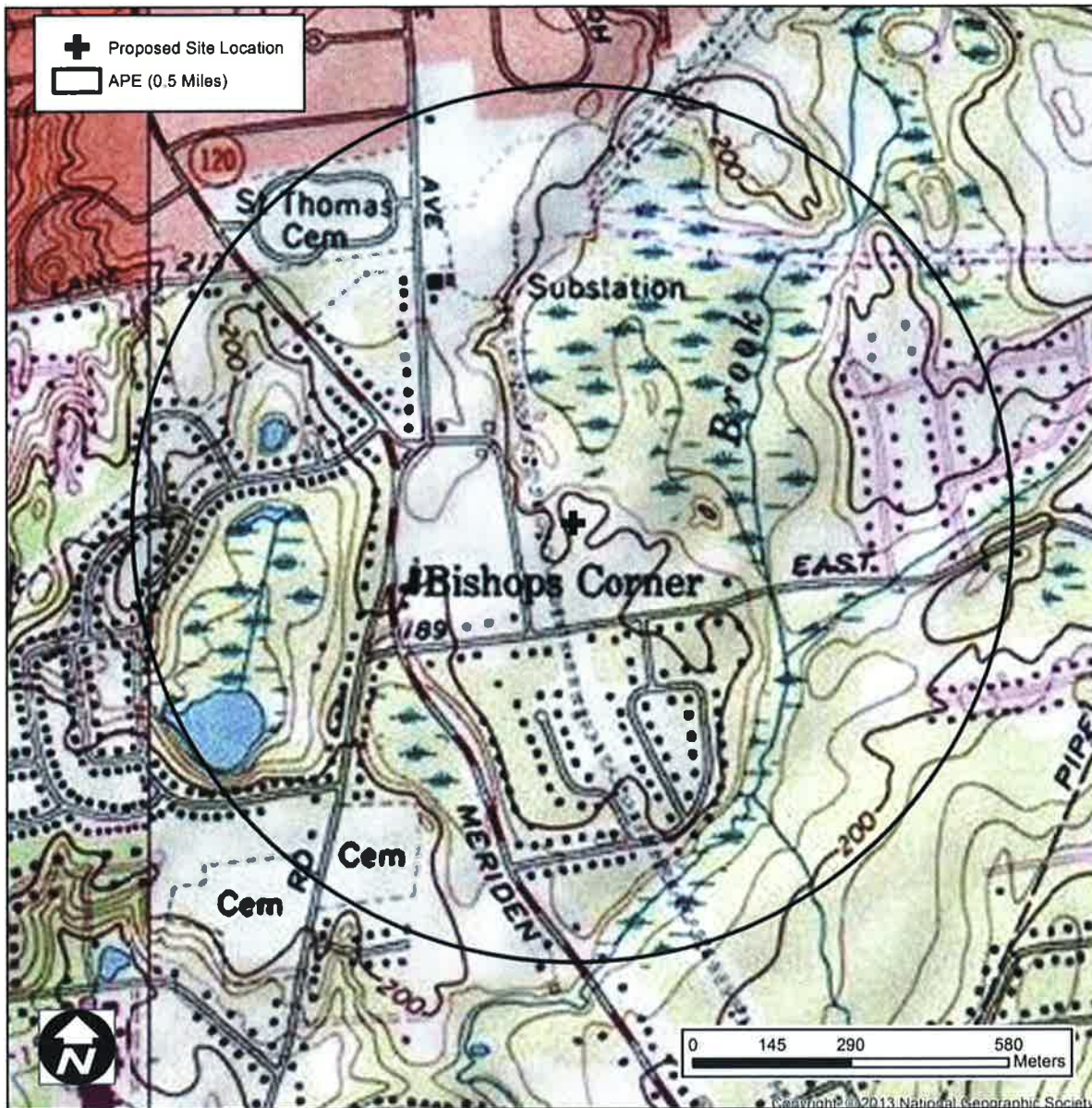


Figure 1. Excerpt from recent USGS topographic quadrangle map depicting the proposed tower location in Southington, Connecticut.

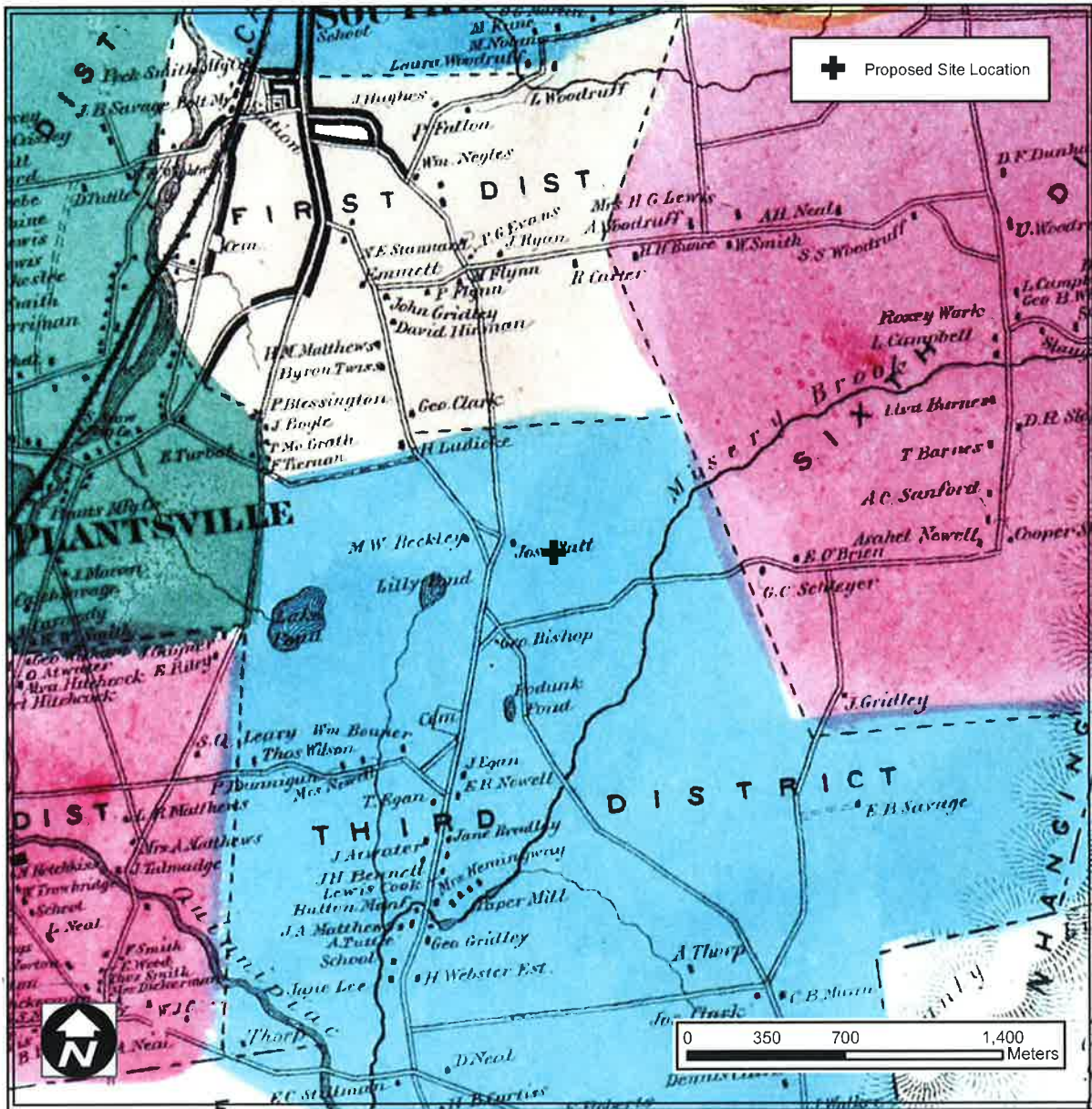


Figure 2. Excerpt from a 1859 historic map depicting the proposed tower location in Southington, Connecticut.



Figure 3. Excerpt from a 1934 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 4. Excerpt from a 1970 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 5. Excerpt from a 1990 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 6. Excerpt from a 2004 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 7. Excerpt from a 2008 aerial image depicting the proposed tower location in Southington, Connecticut.



Figure 8. Excerpt from a 2014 aerial image depicting the proposed tower location in Southington, Connecticut.

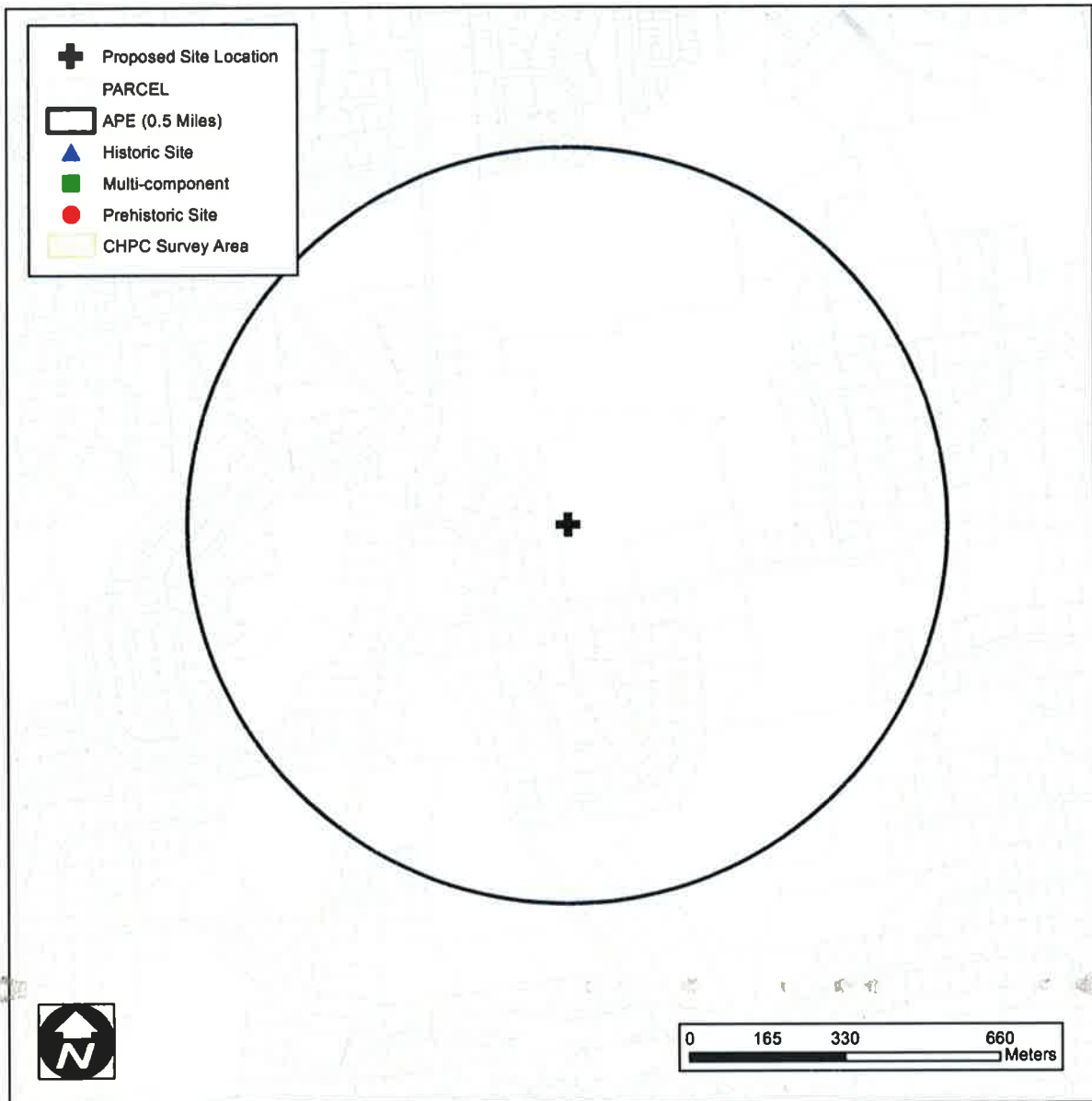


Figure 9. Digital map depicting the locations of previously recorded archaeological sites in the vicinity of the proposed tower location in Southington, Connecticut.

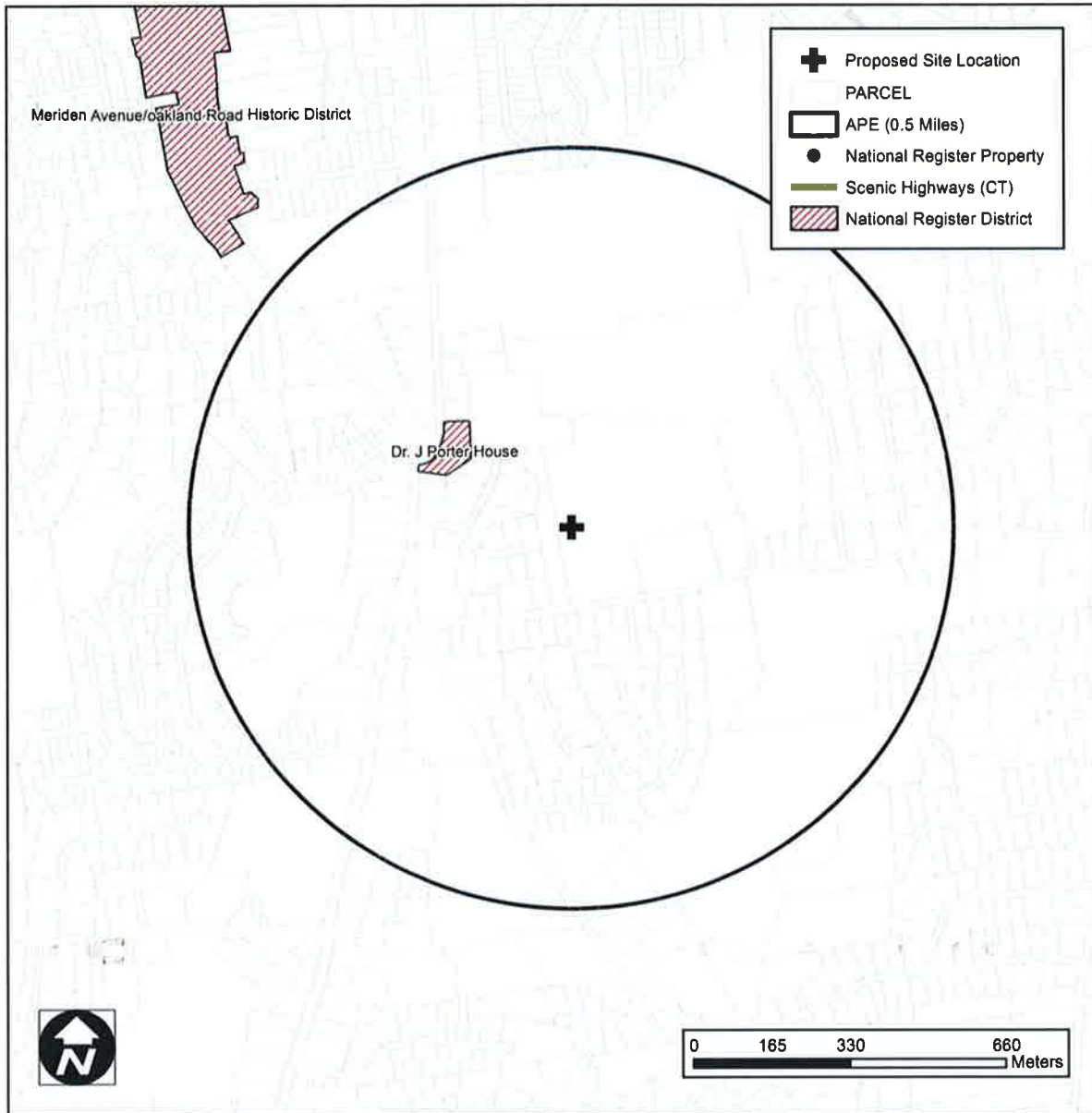


Figure 10. Digital map depicting the locations of previously recorded National Register of Historic Places properties in the vicinity of the proposed tower location in Southington, Connecticut.



Figure 11. Aerial view of the location of the proposed telecommunications tower in Southington, Connecticut depicting the location and direction of each the following photographs.



Photo 1. Overview photo from the proposed tower location facing northwest.



Photo 2. Overview photo from the proposed tower location facing northeast.



Photo 3. Overview photo from the proposed tower location facing southeast.



Photo 4. Overview photo from proposed tower location facing southwest.



Photo 5. Overview of the proposed tower location facing southeast.



Photo 6. Overview photo proposed tower location facing northeast.



Photo 7. Overview photo of the proposed access road facing southeast.



Photo 8. Overview photo of the proposed utility easement facing southeast.



Photo 9. Overview photo of proposed access road facing west.



Photo 10. Overview photo of proposed access road facing south.



Photo 11. Overview photo of proposed access road facing north (note gravel dumped in this area).



Photo 12. Overview photo of proposed buried utility easement facing north.

NEW TOWER SUBMISSION PACKET – FCC FORM 620

Attachment 7 – Tribal and NHO Involvement

At an early stage in the planning process, the Nationwide Agreement requires the Applicant to gather information from appropriate Indian Tribes or Native Hawaiian Organizations (NHOs) to assist in the identification of Historic Properties of religious and cultural significance to them. Describe measures taken to identify Indian tribes and NHOs that may attach religious and cultural significance to Historic Properties that may be affected by the collocation within the Areas of Potential Effects (APE) for direct and visual effects. If such Indian tribes or NHOs were identified, list them and provide a summary of contacts by either the FCC, the Applicant, or the Applicant's representative. Provide copies of relevant documents, including correspondence. If no such Indian tribes or NHOs were identified, please explain.

All-Points Technology Corporation, P.C. completed the Tower Construction Notification System (TCNS) on November 4, 2014. The attached FCC Notification email lists the Tribes identified through the TCNS process. Follow up correspondence, when necessary, will be completed via the methods listed on the attached email considered acceptable to each Tribe.

Applicant: Cellco Partnership, DBA Verizon Wireless
Project Number: CT1412300
Project Location: 99 East Street, Southington, CT, 06489

Nicole Castro

From: towernotifyinfo@fcc.gov
Sent: Friday, November 07, 2014 3:01 AM
To: Nicole Castro
Cc: Jonathan.Jonas@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3999500

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribal Nations"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribal Nations and NHOs and in making further contacts, the City and State of the Seat of Government for each Tribal Nation and NHO, as well as the designated contact person, is included in the listing below. We note that Tribal Nations may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribal Nations and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribal Nation or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribal Nations and NHOs. If a Tribal Nation or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribal Nation or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event a Tribal Nation or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribal Nation or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. THPO Marissa Turnbull - Mashantucket Pequot Tribe - Mashantucket, CT - electronic mail

Details: The Mashantucket Pequot Tribal Nation will charge a \$500.00 research fee for all proposed Cell Tower projects and, as of Monday May 26, 2014 will also charge a \$500.00 research fee for all Positive Train Control (PTC) projects.

Please make your check payable to the "Mashantucket Pequot Tribal Nation," and mail to:

Mashantucket Pequot Tribal Nation
Natural Resources Protection & Regulatory Affairs
550 Trolley Line Blvd.

P.O. Box 3202
Mashantucket, CT 06338-3202

For every proposed cell tower project, and for every Positive Train Control (PTC) project, the Mashantucket Pequot Tribal Nation requires a site location map, information regarding project ground disturbance, site plans and a detailed description of the proposed site and project & a copy of any archaeology surveys completed - If the proposed project is to be located on an already existing building, we would like to be informed of that as well.

After we have received the research fee, we will commence our research & review of the proposed cell tower project, and / or the Positive Train Control (PTC) project & make every effort to respond to you within thirty days.

Marissa Turnbull, THPO
Mashantucket Pequot Tribal Nation
mturnbull@mptn-nsn.gov
860-396-7570

2. Deputy THPO Elaine Thomas - Mohegan Indian Tribe - Uncasville, CT - electronic mail and regular mail
Details: The Mohegan Indian Tribe of Connecticut has an interest in all Cell Tower Projects and Positive Train Control Projects that are within the State of Connecticut.

Beginning May 26, 2014 The Mohegan Indian Tribe of Connecticut will charge a \$500.00 research fee per all proposed Cell Tower Projects and Positive Train Control Projects that are within the State of Connecticut. After we have received the research fee, we will commence our research of the proposed Project. The Mohegan Tribe is interested in all notifications of proposed Cell Tower Projects and Positive Train Control Projects that are within the State of Connecticut and will respond to all notifications.

Please make checks payable to The Mohegan THPO, and include, 4990-0300, AA code 52, on all checks along with the TCNS#. Please send checks to: The Mohegan THPO c/o James Quinn, 13 Crow Hill Road, Uncasville, CT 06382.

3. Program Manager-Cell Tower Division Sequahna Mars - Narragansett Indian Tribe - Wyoming, RI - electronic mail and regular mail

Details: NITHPO respectfully requests that additional contacts following initial TCNS notification be made via e-mail to Sequahna Mars, at sequahna@yahoo.com.

NITHPO respectfully requests a site map and photographs for all projects that involve ground disturbance.

Please note that NITHPO's current review fees are as follows:

- For projects in which there is to be no ground disturbance the review fee is \$500.
- For ALL projects which include ground disturbance, the review fee is \$1000.

4. THPO/NAGPRA Supervisor Juliet K Goyen - Keweenaw Bay Indian Community - Baraga, MI - electronic mail

Details: The KBIC THPO reviews all projects within historic homelands for the presence of cultural resources with significance to the Anishinaabe. Your request will go through a preliminary review by our THPO/NAGPRA Technician, the review consists of relevant studies submitted by the applicant regarding cultural resources documentation, in house literature search, database search and GIS search for further information. If any cultural resources are identified during this process, the file will be turned over to the Tribal Historic Preservation Officer in order to make a determination of effects.

Information required in order to complete this process are as follows:

Project Name

Project Location

Physical Address

Latitude and Longitude

State, County, Township, Range, Section quarters Brief Project Description Existing studies for archaeological sites, and cultural resources.

As of June 11, 2014 the KBIC THPO will be charging a fee of \$500.00 per review/collocation unless the review covers more than one section of land in which case the fee is \$500.00 per section. Fees in this process cover the research and other activities required to provide you with a timely response so your project can stay on track. Please submit payment of \$500.00 for each project application submitted, checks should be made payable to KBIC THPO, 16429 Beartown Road, Baraga, Michigan 49908. Any questions can be directed to: Juliet K. Goyen, THPO/NAGPRA Supervisor or Minogheezhig Sandman -Shelifoe via email: jgoyen@kbic-nsn.gov or thpo@kbic-nsn.gov, minogheezhig@kbic-nsn.gov or by phone: 906-353-6623 ext. 4278 or 4272.

5. THPO and NAGPRA Representative Giiwegiizhigookway Martin - Lac Vieux Desert Band of Lake Superior

Chippewa Indians - Watersmeet, MI - electronic mail

Details: Effective May 7, 2014:

To enable us to participate fully, the Ketegitigaaning Ojibwe Nations fee for such services is \$300. The fee must be submitted so that the research can be done. At that time we will review and make our determinations with the appropriate information that we have on file with our Tribe pertaining to this area.

All Collocation Projects will be handled in the same manner as new projects UNLESS the Ketegitigaaning Ojibwe Nation commented on the original project.

Please forward the following information: a short summary of the proposed ground disturbing activity, Legal Description of the Area of Potential Effects, Topo maps identifying the proposed area, and copies of any studies that have already been conducted regarding cultural resources and archaeology in their full format, including reports on archaeological and cultural sites identified.

Should you have any questions, please feel free to contact me at 906-358-0137.

Miigwetch,

giiwegiizhigookway Martin, THPO

Fee can be sent along with the requested information to:

Make Check Payable to:

Ketegitigaaning Ojibwe Nation THPO

P.O. 249

Watersmeet, Michigan 49969

Office: 906-358-0137

Fax: 906-358-4850 Email: gmartin@lvdtribal.com

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

6. SHPO Cara Metz - Massachusetts Historical Commission - Boston, MA - electronic mail

7. SHPO Frederick C Williamson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - regular mail

8. Deputy SHPO Edward F Sanderson - Rhode Island Historic Preservation & Heritage Comm - Providence, RI - electronic mail

9. SHPO Karen J Senich - Connecticut Commission on Culture and Tourism - Hartford, CT - electronic mail

"Exclusions" above set forth language provided by the Tribal Nation or SHPO. These exclusions may indicate types of PTC wayside pole notifications that the Tribal Nation or SHPO does not wish to review. TCNS automatically forwards all

notifications to all Tribal Nations and SHPOs that have an expressed interest in the geographic area of a proposal. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribal Nation or SHPO. Exclusions may also set forth policies or procedures of a particular Tribal Nation or SHPO (for example, types of information that a Tribal Nation routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 11/04/2014
Notification ID: 119720
Tower Owner Individual or Entity Name: Cellco Partnership d/b/a Verizon Wireless
Consultant Name: Nicole C Castro Mrs
Street Address: All-Points Technology Corp., P.C.
3 Saddlebrook Drive
City: Killingworth
State: CONNECTICUT
Zip Code: 06419
Phone: 860-663-1697
Email: ncastro@allpointstech.com

Structure Type: MTOWER - Monopole
Latitude: 41 deg 35 min 1.1 sec N
Longitude: 72 deg 51 min 52.8 sec W
Location Description: 99 East Street
City: Southington
State: CONNECTICUT
County: HARTFORD
Detailed Description of Project: Refer to Site Plans.
Ground Elevation: 60.7 meters
Support Structure: 27.4 meters above ground level
Overall Structure: 29.6 meters above ground level
Overall Height AMSL: 90.3 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

NEW TOWER SUBMISSION PACKET – FCC FORM 620

Attachment 8 – Local Government, Other Consulting Parties, and Public Notice

1. *If any local government been contacted and invited to become a consulting party pursuant to Section V.A. of the Nationwide Programmatic Agreement, list the local government agencies contacted. Provide a summary of contacts and copies of any relevant documents (e.g., correspondence or notices).*

All-Points Technology Corporation, P.C. contacted relevant local government agencies on November 3, 2014. The respective correspondence is attached.

2. *If a local government agency will be contacted but has not been to date, explain why and when such contact will take place.*

N/A.

3. *List additional consulting parties that were invited to participate by the Applicant, or independently requested to participate. Provide any relevant correspondence or other documents.*

All-Points Technology Corporation, P.C. contacted the Southington Historical Society on November 3, 2014. The respective correspondence is attached.

4. *You are required to provide a Public Notice Attachment.*

Attached, please find a copy of the legal notice regarding the proposed telecommunications installation that was posted in the Hartford Courant on November 5, 2014. As of the date of this submission packet, no comments regarding this notice have been received by All-Points Technology Corporation, P.C. Should a response be received, copies will be forwarded to all consulting parties as an addendum to this submission packet.



Date: November 3, 2014

To: Southington Town Council
Garry Brumback, Town Manager
75 Main Street
Southington, CT 06489
860-276-6200
brumbackg@southington.org

Re: Proposed Wireless Telecommunications Facility
Southington East Street a/k/a Meriden Relo.
99 East Street
Southington, CT 06489

To comply with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended, Cellco Partnership and its controlled affiliates doing business as Verizon Wireless (Verizon Wireless), has retained All-Points Technology Corporation, P.C. (APT) to evaluate proposed tower facilities for any adverse effect it may have on historic properties. As part of this evaluation, and in conformance with the Nationwide Programmatic Agreement (NPA) for review of effects on historic properties for proposed undertakings, APT is submitting this Proposed Wireless Telecommunications Facility construction notification to the Southington Town Council, Planning and Zoning Commission, and Historical Society.

Verizon Wireless is proposing to build a 97-foot Monopine Communications Tower within a 50-foot by 50-foot equipment compound and lease area at 99 East Street, Southington, Hartford County, Connecticut, 06489.

The purpose of this letter is to notify you that public notice of this proposed facility will be published in the Hartford Courant on November 5, 2014 and to invite comments regarding any potential effects that the proposed facility may have upon historic properties from relevant individuals or groups that you may be aware of.

Public comments regarding potential effects on historic properties may be submitted within 30-days from the date of this publication to: All-Points Technology Corporation at 3 Saddlebrook Drive, Killingworth, CT 06419, to the attention of Nicole Castro, (860) 663-1697 ext. 213, ncastro@allpointstech.com. Please respond within 30 days if you wish to comment.



Date: November 3, 2014

To: The Southington Historical Society
239 Main Street
Southington, CT 06489
860-621-4811
history06489@gmail.com

Re: Proposed Wireless Telecommunications Facility
Southington East Street a/k/a Meriden Relo.
99 East Street
Southington, Connecticut

To comply with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended, Cellco Partnership and its controlled affiliates doing business as Verizon Wireless (Verizon Wireless), has retained All-Points Technology Corporation, P.C. (APT) to evaluate proposed tower facilities for any adverse effect it may have on historic properties. As part of this evaluation, and in conformance with the Nationwide Programmatic Agreement (NPA) for review of effects on historic properties for proposed undertakings, APT is submitting this Proposed Wireless Telecommunications Facility construction notification to the Southington Town Council, Planning and Community Development, and Historical Society.

Verizon Wireless is proposing to build a 97-foot Monopine Communications Tower within a 50-foot by 50-foot equipment compound and lease area at 99 East Street, Southington, Hartford County, Connecticut, 06489.

The purpose of this letter is to notify you that public notice of this proposed facility will be published in the Hartford Courant on November 5, 2014 and to invite comments regarding any potential effects that the proposed facility may have upon historic properties from relevant individuals or groups that you may be aware of.

Public comments regarding potential effects on historic properties may be submitted within 30-days from the date of this publication to: All-Points Technology Corporation at 3 Saddlebrook Drive, Killingworth, CT 06419, to the attention of Nicole Castro, (860) 663-1697 ext. 213, ncastro@allpointstech.com. Please respond within 30 days if you wish to comment.



Date: November 3, 2014

To: Planning and Zoning Commission
Robert A. Phillips, Director of Planning and Community Development
75 Main Street
Southington, CT 06489
860-276-6248
PhillipsR@southington.org

Re: Proposed Wireless Telecommunications Facility
Southington East Street a/k/a Meriden Relo.
99 East Street
Southington, CT 06489

To comply with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended, Cellco Partnership and its controlled affiliates doing business as Verizon Wireless (Verizon Wireless), has retained All-Points Technology Corporation, P.C. (APT) to evaluate proposed tower facilities for any adverse effect it may have on historic properties. As part of this evaluation, and in conformance with the Nationwide Programmatic Agreement (NPA) for review of effects on historic properties for proposed undertakings, APT is submitting this Proposed Wireless Telecommunications Facility construction notification to the Town Manager, Planning and Zoning Commission, and Historical Society.

Verizon Wireless is proposing to build a 97-foot Monopine Communications Tower within a 50-foot by 50-foot equipment compound and lease area at 99 East Street, Southington, Hartford County, Connecticut, 06489.

The purpose of this letter is to notify you that public notice of this proposed facility will be published in the Hartford Courant on November 5, 2014 and to invite comments regarding any potential effects that the proposed facility may have upon historic properties from relevant individuals or groups that you may be aware of.

Public comments regarding potential effects on historic properties may be submitted within 30-days from the date of this publication to: All-Points Technology Corporation at 3 Saddlebrook Drive, Killingworth, CT 06419, to the attention of Nicole Castro, (860) 663-1697 ext. 213, ncastro@allpointstech.com. Please respond within 30 days if you wish to comment.

Hartford Courant

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AFFIDAVIT OF PUBLICATION

State of Connecticut

November 05, 2014

County of Hartford

I, Ruth Harrison, do solemnly swear that I am a Sales Assistant of the Hartford Courant, printed and published daily, in the state of Connecticut and that from my own personal knowledge and reference to the files of said publication the advertisement of Public Notices was inserted in the regular edition.

On Dates as Follows:

11/05/2014 88.61; 11/05/2014 10.00

In the Amount of:

\$98.61

All-Points Technology Corporation - CU00316216

2815393

Full Run



Sales Assistant,
Ruth Harrison

Subscribed and sworn before me on November 05, 2014



Notary Public

RENEE N. JANES
NOTARY PUBLIC
MY COMMISSION EXPIRES MAR. 31, 2018

Order # - 2815393

Hartford Courant

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PUBLIC NOTICE: Celco Partnership and its controlled affiliates doing business as Verizon Wireless (Verizon Wireless) is proposing to build a 97-foot Stealth Structure Pine Tree Communications Tower at 99 East Street, Southington, Hartford County, Connecticut, 06489.

Public comments regarding potential effects on historic properties may be submitted within 30-days from the date of this publication to: All-Points Technology Corporation at 3 Saddlebrook Drive, Killingworth, CT 06419, to the attention of Nicole Castro, (860) 663-1697 ext. 213, ncastro@allpointstech.com. Please respond within 30 days if you wish to comment.

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Hartford Courant

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Publication Date: 11/05/2014

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ATTACHMENT 2



Department of Economic and
Community Development

Connecticut
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December 22, 2014

Mr. Lucas Karmazinas
All-Points Technical Corporation
3 Saddlebrook Drive
Killingworth, CT 06419

Subject: Proposed Telecommunications Facility
99 East Street
Southington, CT
Verizon Wireless

Dear Mr. Karmazinas:

The State Historic Preservation Office is in receipt of the proposal for the above-referenced project, submitted for review and comment pursuant to the National Historic Preservation Act and in accordance with Federal Communications Commission regulations.

In the opinion of this office, the proposed undertaking will have no adverse effect on contributing resources listed or eligible for listing on the National Register of Historic Places, with the following conditions:

1. the 97' monopole (instead of a monopine) and associated equipment within a 50' by 50' fenced compound will be designed and installed to be as non-visible as possible,
2. if not in use for six consecutive months, the monopole and associated equipment shall be removed by the telecommunications facility owner. This removal shall occur within 90 days of the end of such six-month period.

The State Historic Preservation Office appreciates the opportunity to review and comment upon this project. These comments are provided in accordance with the Connecticut Environmental Policy Act and Section 106 of the National Historic Preservation Act. For further information please contact Todd Levine, Environmental Reviewer, at (860) 256-2759 or todd.levine@ct.gov.

Sincerely,

Mary B. Dunne
Deputy State Historic Preservation Officer

State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | P: 860.256.2800 | Cultureandtourism.org

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ATTACHMENT 3



Department of Economic and
Community Development

Connecticut
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January 16, 2014

Mr. Lucas Karmazinas
All-Points Technical Corporation
3 Saddlebrook Drive
Killingworth, CT 06419

Subject: Proposed Telecommunications Facility
99 East Street
Southington, CT
Verizon Wireless

Dear Mr. Karmazinas:

The State Historic Preservation Office is in receipt of the proposal for the above-referenced project, submitted for review and comment pursuant to the National Historic Preservation Act and in accordance with Federal Communications Commission regulations.

On January 7, 2014 you responded via email to our conditional no adverse effect determination letter on the above-referenced undertaking and dated December 22, 2014, requesting elaboration on this office's stance on why we prefer the use of monopoles over monopines.

The CT SHPO has found that monopines do not minimize the visibility of wireless equipment, which is what they were created to do, and in fact create more of a visual impact than a standard monopole. This office recognizes that cell towers are now a part of our landscape. In the cases that have been reviewed by this office, the jarring visual effect of a monopine is often more distributive to the natural environment than a standard monopole painted a neutral color.

Perhaps there are advances to the design of monopoles that can sway the initial determination on the above-referenced undertaking. If you wish, I would be happy to review photographic simulations of the monopine and any other equipment associated with this undertaking, as well as drawings and specifications of the proposed monopine.

The State Historic Preservation Office appreciates the opportunity to review and comment upon this project. These comments are provided in accordance with the

State Historic Preservation Office

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Connecticut Environmental Policy Act and Section 106 of the National Historic Preservation Act. For further information please contact Todd Levine, Environmental Reviewer, at (860) 256-2759 or todd.levine@ct.gov.

Sincerely,

A handwritten signature in blue ink that reads "Mary B. Dunne".

Mary B. Dunne
Deputy State Historic Preservation Officer

State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | P: 860.256.2800 | Cultureandtourism.org

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ATTACHMENT 4



February 5, 2015

To: Mr. Todd Levine
State of Connecticut Department of
Economic and Community Development
State Historic Preservation Office
One Constitution Plaza, Second Floor
Hartford, CT 06103

Re: Proposed Wireless Telecommunications Monopine Facility
Southington East Street a/k/a/ Meriden Relo
99 East Street
Southington, Connecticut 06489
APT Project#: CT1412300, Ensite#: 21574

Dear Mr. Levine,

We are in receipt of your letter dated January 16, 2015 regarding your office's preference of using monopoles over monopines, which elaborates on your December 22, 2014 conditional no adverse effect determination for a monopole in lieu of a monopine at the above referenced site. We appreciate the opportunity to present more detailed information to your office for further review of the proposed monopine design, as this design is preferred by the Town of Southington, the owner of the subject property and neighbors to the Town parcel who will have, in some cases, unobstructed views of the upper portion of the proposed tower.

As mentioned in your letter, there have been some technical enhancements to the appearance of monopine towers in recent years and Cellco Partnership and its controlled affiliates doing business as Verizon Wireless (Verizon Wireless) has taken advantage of these enhancements at numerous cell sites throughout the New England region. As such, tree tower designs, like that proposed in Southington, are occasionally requested as the preferred installation over monopoles by tenants, neighbors, the Connecticut Siting Council, and other stakeholders. One example of a recent monopine installation that we would like to present to you is Verizon's facility at the Brownson Country Club in Shelton, CT. This facility is located east of historic Huntington center and north of Lane Street. Photographs of the existing Shelton monopine are attached for your reference. In this case, Verizon Wireless had originally proposed a monopole tower and was required, by CT SHPO, to install a tree tower to soften view from the Huntington center area. The attached photographs were taken from locations within a similar distance and visual Area of Potential Effect (APE) as what is being evaluated for the proposed Southington East Street a/k/a/ Meriden Relo facility.

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE · KILLINGWORTH, CT 06419 · PHONE 860-663-1697 · FAX 860-663-0935

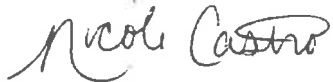
As stated in our original submission for the proposed Southington East Street a/k/a/ Meriden Relo facility, we identified one historic property within the visual APE located at 391 Belleview Avenue (NR #88003096) approximately 0.25-mile northwest of the subject property. Photographs from this resource and locations along Belleview Avenue are attached. Note that the visibility of the proposed tower would be minimal, or non-existent altogether, from Belleview Avenue. Any visibility from this location would only occur during leaf-off conditions. We did not prepare simulations of the proposed monopine from Belleview Avenue as the proposed site location was not clearly visible. However, proposed simulations are provided in the attached Visibility Analysis Report for your review. In particular, two nearby areas to Belleview Avenue, on Blueberry Lane and Meriden Avenue, are included in the report and depict the proposed monopine from these locations.

We trust that this additional information will be helpful in your review and we look forward to discussing this further.

Thank you for your consideration.

Sincerely,

All-Points Technology Corporation, P.C.

A handwritten signature in cursive script that reads "Nicole Castro".

Nicole Castro
Project Manager/GIS Analyst

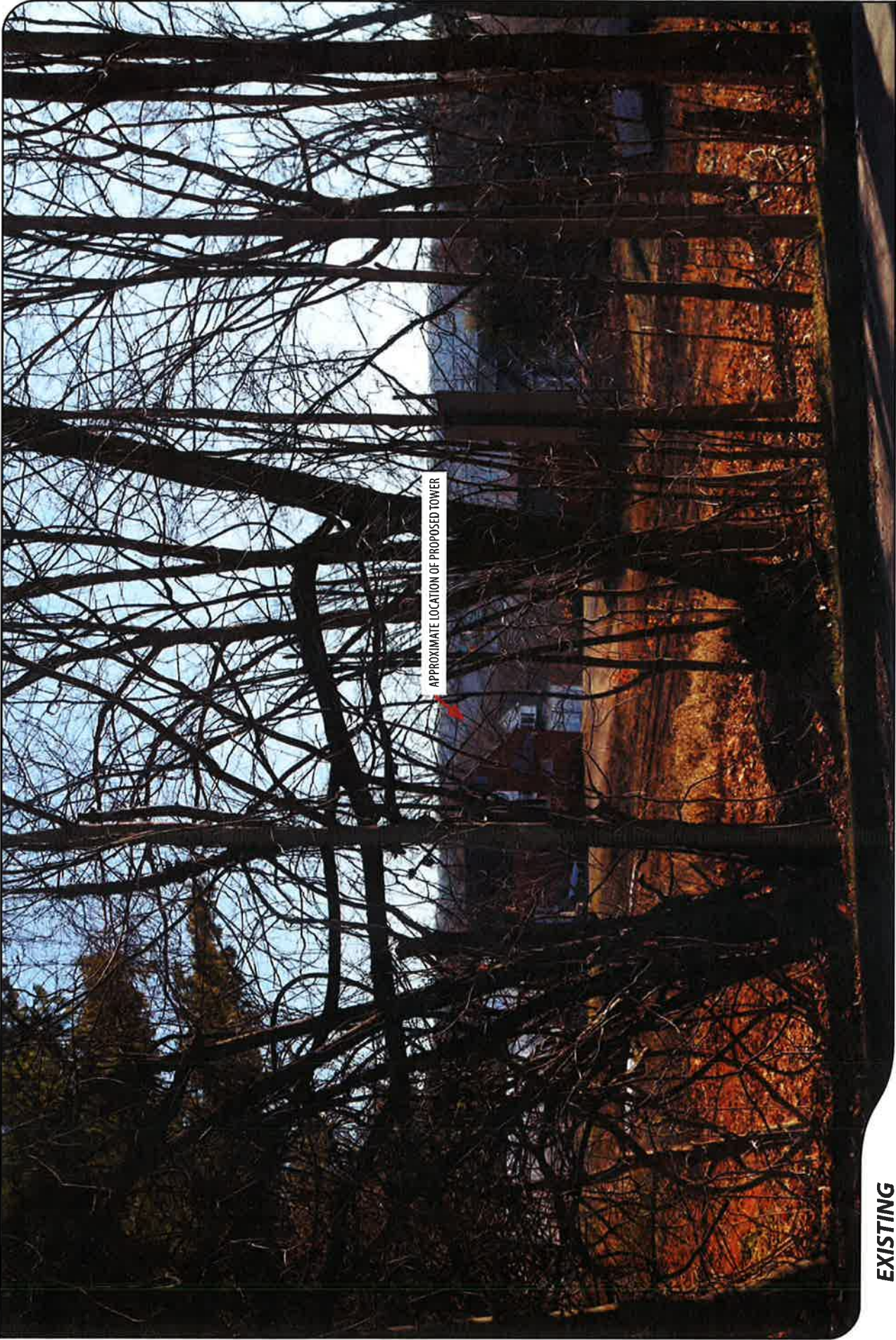
Attachments



PHOTO LOG

- Legend
- Site
 - Photo Location





EXISTING

PHOTO

1

LOCATION

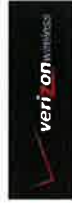
BELLEVIEW AVENUE

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.25 MILE





EXISTING

PHOTO

2

LOCATION

BELLEVUE AVENUE

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.25 MILE



APPROXIMATE LOCATION OF PROPOSED TOWER

EXISTING

PHOTO
3

LOCATION

ADJACENT TO #391 BELLEVIEW AVENUE

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.25 MILE



EXISTING

PHOTO
4

LOCATION
BELLEVIEW AVENUE

ORIENTATION
SOUTHEAST

DISTANCE TO SITE
+/- 0.27 MILE



Representative Photographs of the Existing Shelton Monopine Facility



EXISTING

PHOTO

1

LOCATION

CHURCH STREET

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.51 MILE



EXISTING

PHOTO

2

LOCATION

CHURCH STREET

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.51 MILE



EXISTING

PHOTO

3

LOCATION

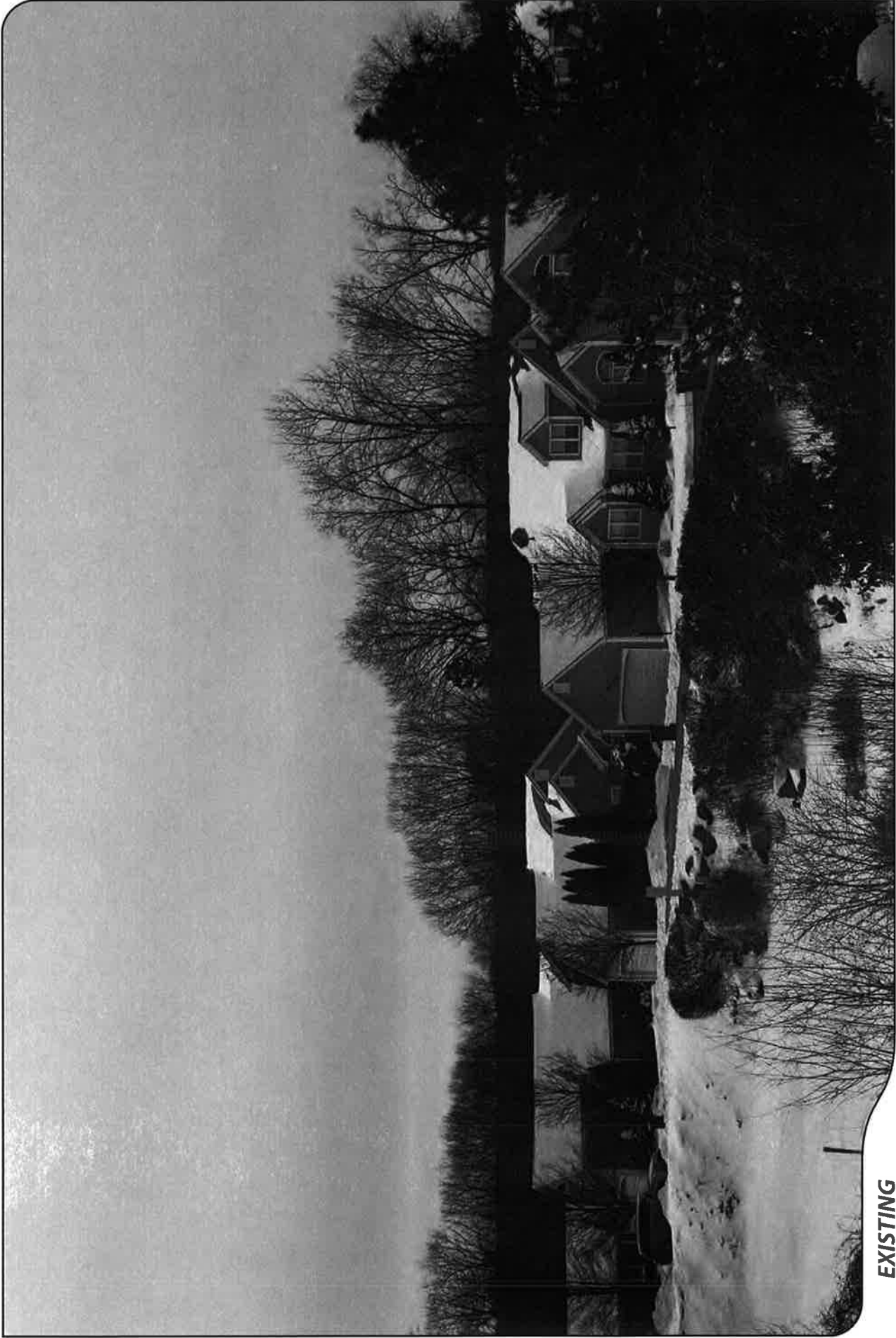
CHURCH STREET

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.51 MILE



EXISTING

PHOTO

4

LOCATION

IRONWOOD TRAIL

ORIENTATION

WEST

DISTANCE TO SITE

+/- 0.23 MILE





EXISTING

PHOTO

5

LOCATION

IRONWOOD TRAIL

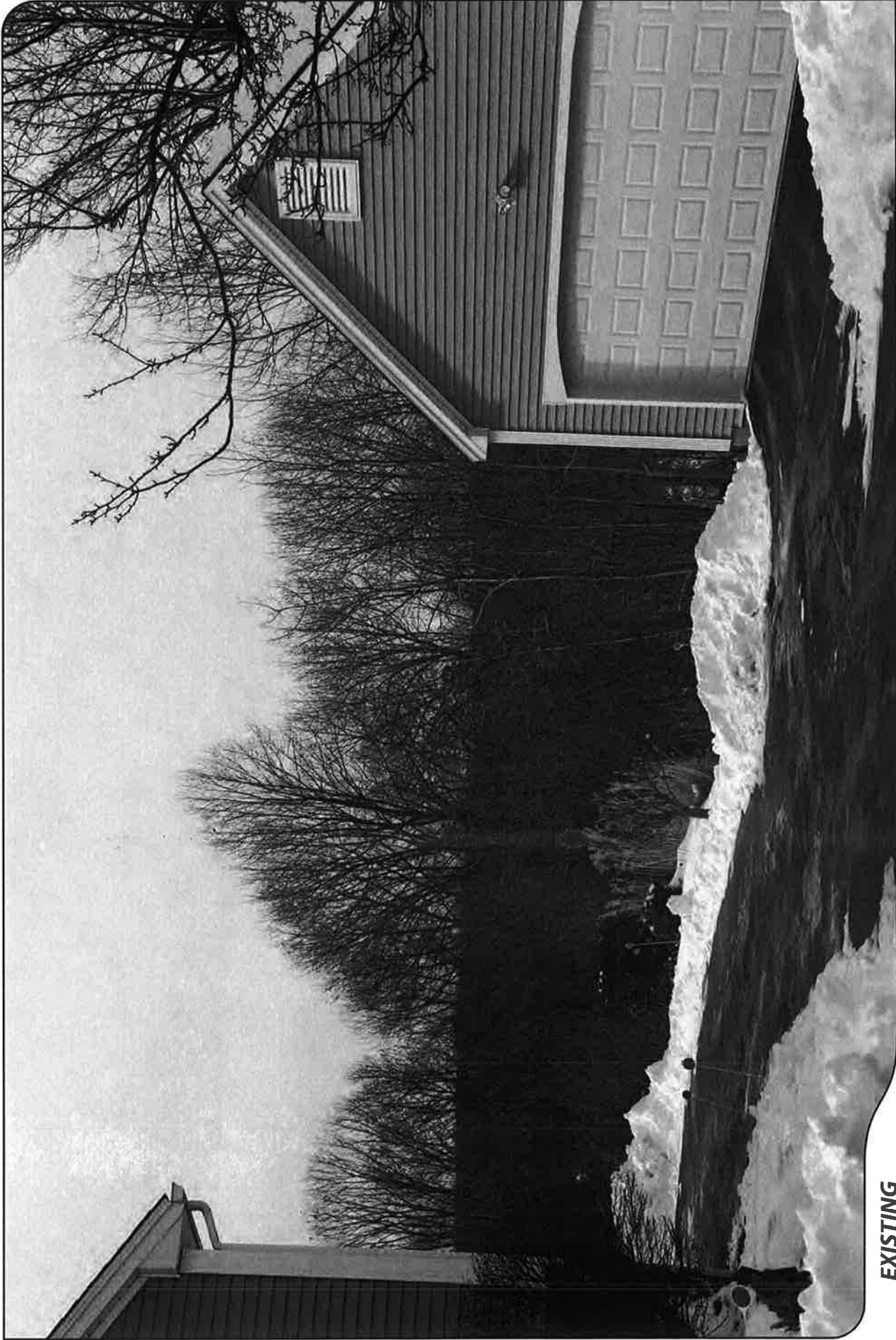
ORIENTATION

WEST

DISTANCE TO SITE

+/- 0.24 MILE





EXISTING

PHOTO

6

LOCATION

MICA COURT

ORIENTATION

WEST

DISTANCE TO SITE

+/- 0.20 MILE





EXISTING

PHOTO
7

LOCATION
PAUGASSETT LANE

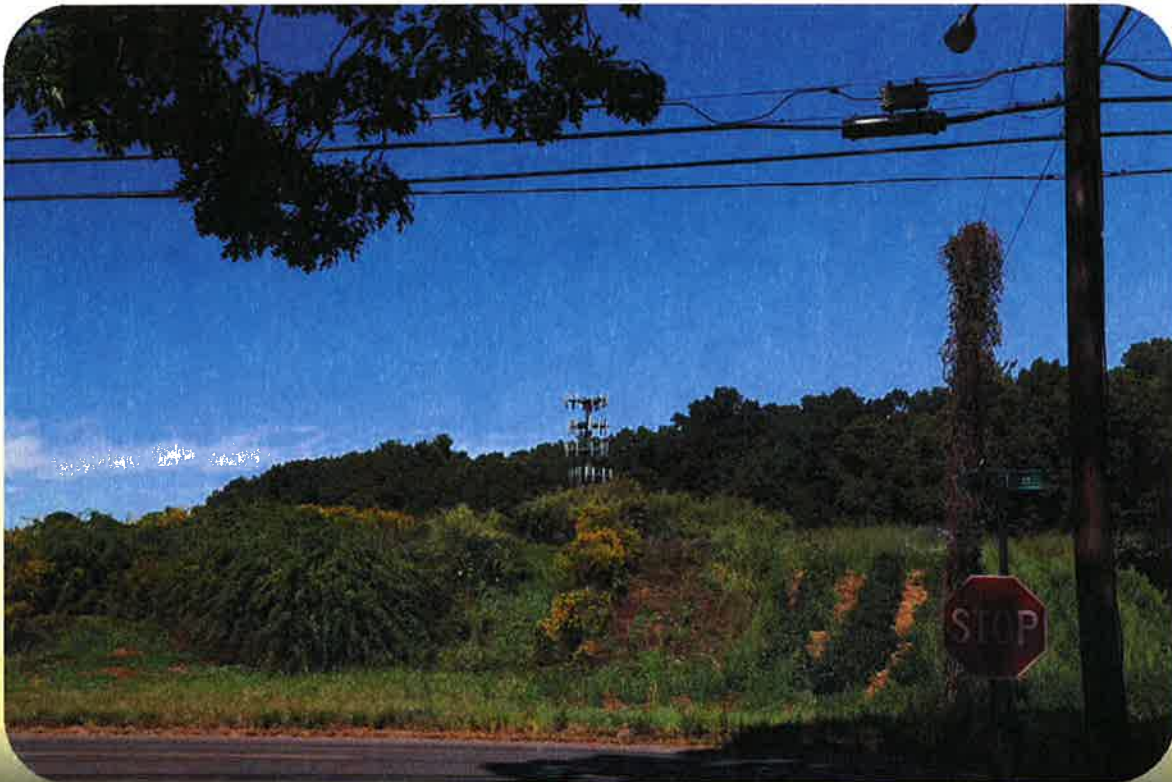
ORIENTATION
SOUTHEAST

DISTANCE TO SITE
+/- 0.27 MILE



VISIBILITY ANALYSIS

**99 EAST STREET
SOUTHINGTON, CONNECTICUT**



Prepared for:

**Verizon Wireless
99 East River Drive
East Hartford CT 06108**

Prepared by:

**All-Points Technology Corporation, P.C.
3 Saddlebrook Drive
Killingworth, CT 06419**

NOVEMBER 2014

Project Introduction

Cellco Partnership d/b/a Verizon Wireless is pursuing a Certificate of Environmental Compatibility and Public Need from the Connecticut Siting Council ("Council") for the development of a new wireless communications facility ("Facility") at 99 East Street in Southington, Connecticut (the "Property"). At the request of Verizon Wireless, All-Points Technology Corporation, P.C. ("APT") prepared this Visibility Analysis to evaluate the potential visual impacts associated with the proposed Facility from within a two-mile radius (the "Study Area").

Site Description and Setting

The Property is located on the north side of East Street and is currently used by the Town of Southington as a composting yard. The proposed Facility would include a 90-foot tall monopole camouflaged as a pine tree ("monopine") located northeast of the composting yard adjacent to an existing wood line, at an approximate ground elevation of 198 feet Above Mean Sea Level ("AMSL"). The monopine would also include an approximate 7-foot high extension of faux branching to provide a conical top, bringing the total Facility height up to 97 feet above ground level ("AGL"). Antenna arrays would be concealed within faux branching affixed to the monopole.

Land use within the immediate vicinity of the Property is primarily residential, with an overhead utility corridor and large tracts of undeveloped forest. The topography within the Study Area is characterized by generally level land with rising hills to the east and north; ground elevations range from approximately 110 feet AMSL to 1,020 feet AMSL. The tree cover within the Study Area (consisting of mixed deciduous hardwoods with interspersed stands of conifers) occupies approximately 3,177 acres of the 8,042-acre study area ($\pm 40\%$). The average tree canopy is estimated to be approximately 60 feet.

Methodology

APT used the combination of a predictive computer model and in-field analysis to evaluate the visibility associated with the proposed Facility on both a quantitative and qualitative basis. The predictive model provides a measurable assessment of potential visibility throughout the entire Study Area including private properties and other areas inaccessible for direct observations. The in-field analyses included a balloon float and reconnaissance of the Study Area to record existing conditions, verify results of the model, inventory visible and nonvisible locations, and provide photographic documentation from publicly accessible areas. A description of the procedures used in the analysis is provided below.

Preliminary Computer Modeling

Two computer modeling tools were used to calculate those areas from which at least the top of the tower is estimated to be visible: IDRISI image analysis program (developed by Clark Labs, Clark University) and ArcGIS®, developed by Environmental Systems Research Institute, Inc. Project- and Study Area-specific data were incorporated into the computer model, including the tower's location, height, and ground elevation, as well as the surrounding topography and existing vegetation which are two primary features that can block direct lines of sight. Information used in the model included LiDAR¹-based digital elevation and land use data. The LiDAR-based Digital Elevation Model ("DEM") represents topographic information for the state of Connecticut that was derived through the spatial interpolation of airborne LiDAR-based data collected in the year 2000 and has a horizontal resolution of ten (10) feet. In addition, multiple land use data layers were created from National Agricultural Imagery Program (USDA) aerial photography (1-foot resolution, flown in 2012) using IDRISI image processing tools. The IDRISI tools develop light reflective classes defined by statistical analysis of individual pixels, which are then grouped based on common reflective values such that distinctions can be made automatically between deciduous and coniferous tree species, as well as grassland, impervious surface areas, water and other distinct land use features. This information is manually cross-checked with the recent USGS topographic land characteristics to quality assure the imaging analysis.

Once the data layers were entered, image processing tools were applied and overlaid onto USGS topographic base maps and aerial photographs to achieve an estimate of locations where the Facility might be visible. Additional data was reviewed and incorporated into the visibility analysis, including protected private and public open space, parks, recreational facilities, hiking trails, schools, and historic districts. Two trail systems occur within the Study Area, including the Farmington Canal Trail (1.4± miles northwest) and those along the Hanging Hills, associated with West Peak State Park and Hubbard Park, located approximately 1.5 miles to the southeast. Based on a review of publicly-available information, no designated state scenic roads exist within the Study Area.

Field Reconnaissance

To supplement and fine tune the results of the computer modeling efforts, APT completed in-field verification activities consisting of a balloon float, vehicular and pedestrian reconnaissance, and photo-documentation.

Balloon Float and Field Reconnaissance

A balloon float and field reconnaissance were conducted September 12, 2014 to evaluate the visibility associated with the proposed Facility and to obtain photographs for use in this report. The balloon float consisted of raising an approximately four-foot diameter, red helium-filled balloon tethered to a string height of 90 feet above ground level ("AGL") at the proposed Facility location. Weather conditions were favorable for the in-field activities, with calm winds (less than 5 miles per hour) and partly cloudy skies. Once the balloon was secured, APT conducted a Study Area reconnaissance by driving along the local and State roads and other publicly accessible locations to document and inventory where the balloon could be seen above/through

¹ LiDAR is an acronym for Light Detection and Ranging. It is a technology that utilized lasers to determine the distance to an object or surface. LiDAR is similar to radar, but incorporates laser pulses rather than sound waves. It measures the time delay between transmission and reflection of the laser pulse.

the tree canopy. Visual observations from the reconnaissance were also used to evaluate the results of the preliminary visibility mapping and identify any discrepancies in the initial modeling.

During the balloon float and in-field activities, several trees were randomly surveyed using a hand-held infrared laser range finder and a Suunto Tandem clinometer to ascertain their heights. The heights of trees adjacent to the site were field measured to document the surrounding canopy elevation. Numerous off-site locations were also selected to obtain tree canopy heights, including along roadways, wooded lots, and high- and low-lying areas to provide for the irregularities associated with different land characteristics and uses found within the Study Area. The average canopy height was developed based on measurements and comparative observations, in this case approximately 60 feet AGL. Throughout Connecticut, the tree canopy height varies from about 55 feet to in excess of 80 feet (where eastern white pine becomes a dominant component of the forest type, average tree heights may be even slightly higher). This general uniformity is most likely the result of historic state-wide clear cutting of forests for charcoal production in the late 1800s and early 1900s. Approximately 69% of Connecticut's forests are characterized as mature².

Photographic Documentation and Simulations

During the balloon float and field reconnaissance, APT drove the public roads within the Study Area and recorded observations, including photo-documentation, of those areas where the balloon was and was not visible. Photographs were obtained from several vantage points to document the views of a proposed Facility. The geographic coordinates of the camera's position at each photo location were logged using global positioning system ("GPS") technology. Photographs were taken with a Canon EOS 6D digital camera body and Canon EF 24 to 105 millimeter ("mm") zoom lens, with the lens set to 50 mm.

"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."³

Final Visibility Mapping

Information obtained during the field reconnaissance was incorporated into the mapping data layers, including observations of the balloon float, the photo locations, areas that experienced recent land use changes and those places where the initial model was found to over-predict visibility. The revised average tree canopy height data (60 feet AGL) was merged with the DEM and added to the base ground elevations of the forested areas data layer. Once the additional data was integrated into the model, APT re-calculated the visibility of the proposed Facility from within the Study Area to assist in producing the final viewshed map.

² USDA Resource Bulletin NE-160, 2004.

³ Warren, Bruce. Photography, West Publishing Company, Eagan, MN, c. 1993, (page 70).

Photographic Simulations

Photographic simulations were generated to portray scaled renderings of the proposed Facility from representative locations where the proposed Facility would be visible on a year-round basis. Using field data, site plan information and 3-dimension (3D) modeling software, spatially referenced models of the site area and Facility were generated and merged. The geographic coordinates obtained in the field for the photograph locations were incorporated into the model to produce virtual camera positions within the spatial 3D model. Photo simulations were then created using a combination of renderings generated in the 3D model and photo-rendering software programs⁴.

For presentation purposes in this report, the photographs were taken with a 50 mm focal length and produced in an approximate 7-inch by 10.5-inch format. When viewing in this format size, we believe it is important to provide the largest representational image while maintaining an accurate relation of sizes between objects within the frame of the photograph.

Photo-documentation of the balloon float and photo-simulations of the proposed Facility are presented in the attachment at the end of this report. The balloon float photos provide visual reference points for the approximate height and location of the proposed Facility relative to the scene. The photo-simulations are intended to provide the reader with a general understanding of the different views that might be achieved of the Facility. It is important to consider that the publicly-accessible locations selected are typically representative of a "worst case" scenario. They were chosen to present unobstructed view lines (wherever possible), are static in nature and do not necessarily fairly characterize the prevailing views from all locations within a given area. From several locations, moving a few feet in any direction will result in a far different perspective of the Facility than what is presented in the photographs. In several cases, a view of the Facility may be limited to the immediate area of the specific photo location.

⁴ As a final step, the accuracy and scale of select simulations are tested against photographs of similar existing facilities with recorded camera position, focal length, photo location, and tower location.

Photograph Locations

The table below summarizes characteristics of the photographs and simulations presented in the attachment to this report including a description of each location, view orientation, the distance from where the photo was taken relative to the proposed Facility and the general characteristics of that view. The photo locations are depicted on the visibility analysis maps provided as attachments to this report.

| View | Location | Orientation | Distance to Site | View Characteristics |
|------|----------------------------------|-------------|------------------|----------------------|
| 1 | Strawberry Lane | Northeast | ±0.11 Mile | Year-round |
| 2 | Blueberry Lane | Southeast | ±0.16 Mile | Year-round |
| 3 | Meriden Avenue | East | ±0.26 Mile | Year-round |
| 4 | East Street | Northeast | ±0.13 Mile | Year-round |
| 5 | South Plains road at East Street | North | ±0.14 Mile | Year-round |
| 6 | East Street | Northwest | ±0.12 Mile | Year-round |

Visibility Analysis Results

Results of this analysis are graphically displayed on the viewshed maps provided in the attachment at the end of this report. Areas from where the proposed Facility would be visible above the tree canopy year-round comprise a total of approximately 30 acres. When the leaves are off the trees, seasonal views through intervening tree trunks and branches are anticipated to occur over some locations within an area of 67± acres.

In general, year-round views of large portions of the Facility appear limited to the Property and its immediate vicinity (less than 0.25 mile) as can be seen in the photo-simulations. Beyond approximately 0.25 mile from the Property, year-round views drop out and transition to seasonally when the leaves are off the deciduous trees. The restricted area of total visibility is a result of the Facility's setting within an area at the edge of a forest, large stands of trees in the immediate area, and its relatively short height.

Seasonal views could extend out to distances of approximately 1.5 miles southeastward on the upper west-facing slopes of the Hanging Hills (West Peak State Park). Although this area is elevated, at these distances, the proposed monopine would be indistinguishable from surrounding trees.

Proximity to Schools And Commercial Child Day Care Centers

No schools or commercial child day care centers are located within 250 feet of the Property. The nearest schools are Alta at the Pine Center (northwest) and South End School (southwest), approximately 1.1 miles away. The nearest commercial child day care center is Bright Beginnings Too, at 581 Meriden Avenue, located approximately 0.25 mile to the west. No views of the Facility are anticipated from these locations.

LIMITATIONS

The viewshed maps presented in the attachment to this report depict areas where the proposed Facility may potentially be visible to the human eye without the aid of magnification based on a viewer eye-height of 5 feet above the ground and intervening topography and an assumed tree canopy height of 60 feet. This analysis may not necessarily account for all visible locations, as it is based on the combination of computer modeling, incorporating 2012 aerial photographs, and in-field observations from publicly-accessible locations. No access to private properties was provided to APT personnel. This analysis does not claim to depict the only areas, or all locations, where visibility may occur; it is intended to provide a representation of those areas where the Facility is likely to be seen.

The simulations provide a representation of the Facility under similar settings as those encountered during the balloon floats and reconnaissance. Views of the Facility can change throughout the seasons and the time of day, and are dependent on weather and other atmospheric conditions (e.g., haze, fog, clouds); the location, angle and intensity of the sun; and the specific viewer location. Weather conditions on the day of the balloon float included partly cloudy skies and the photo-simulations presented in this report provide an accurate portrayal of the Facility during comparable conditions.

ATTACHMENTS

7

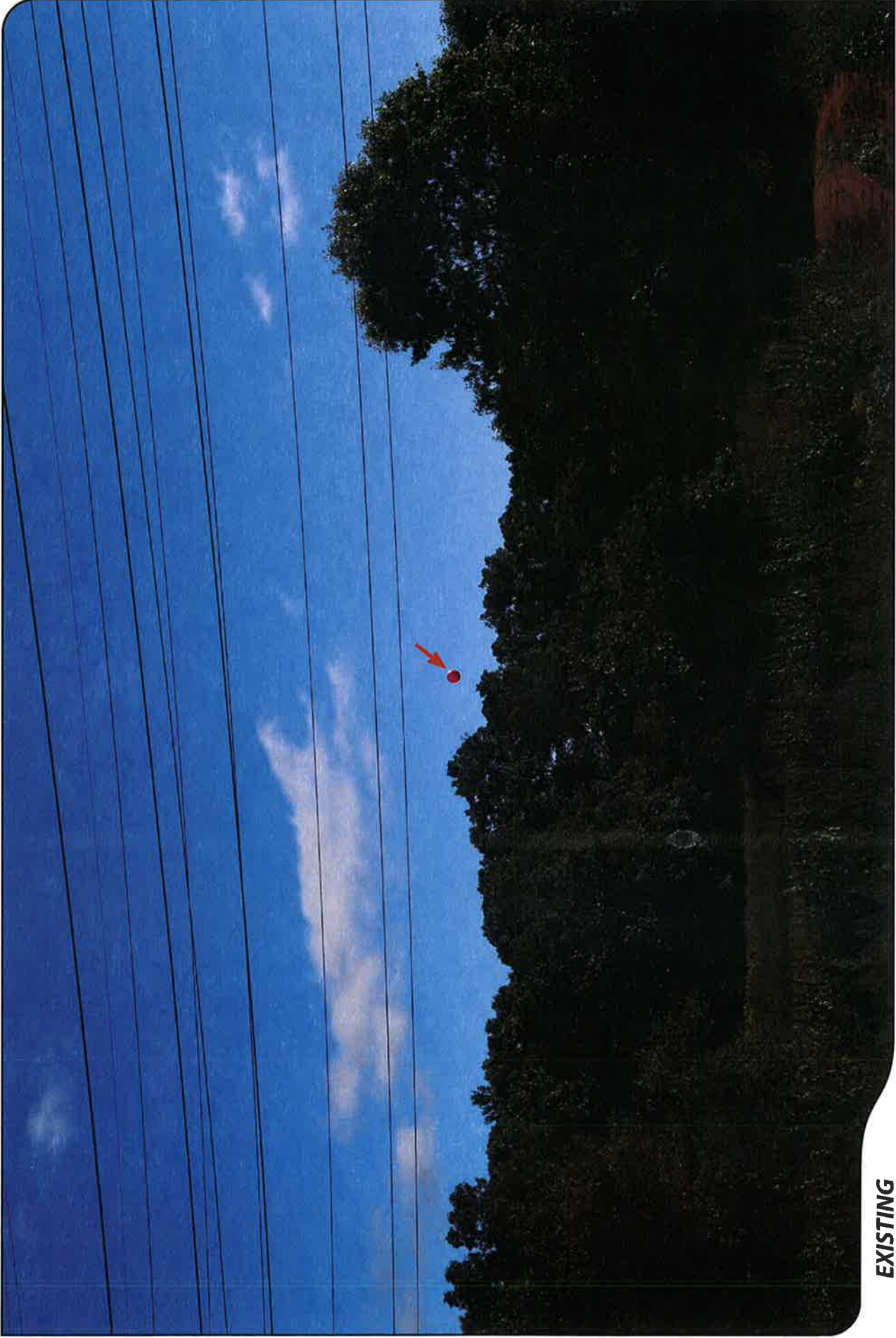


PHOTO LOG

Legend

- Site
- Year-Round Visibility

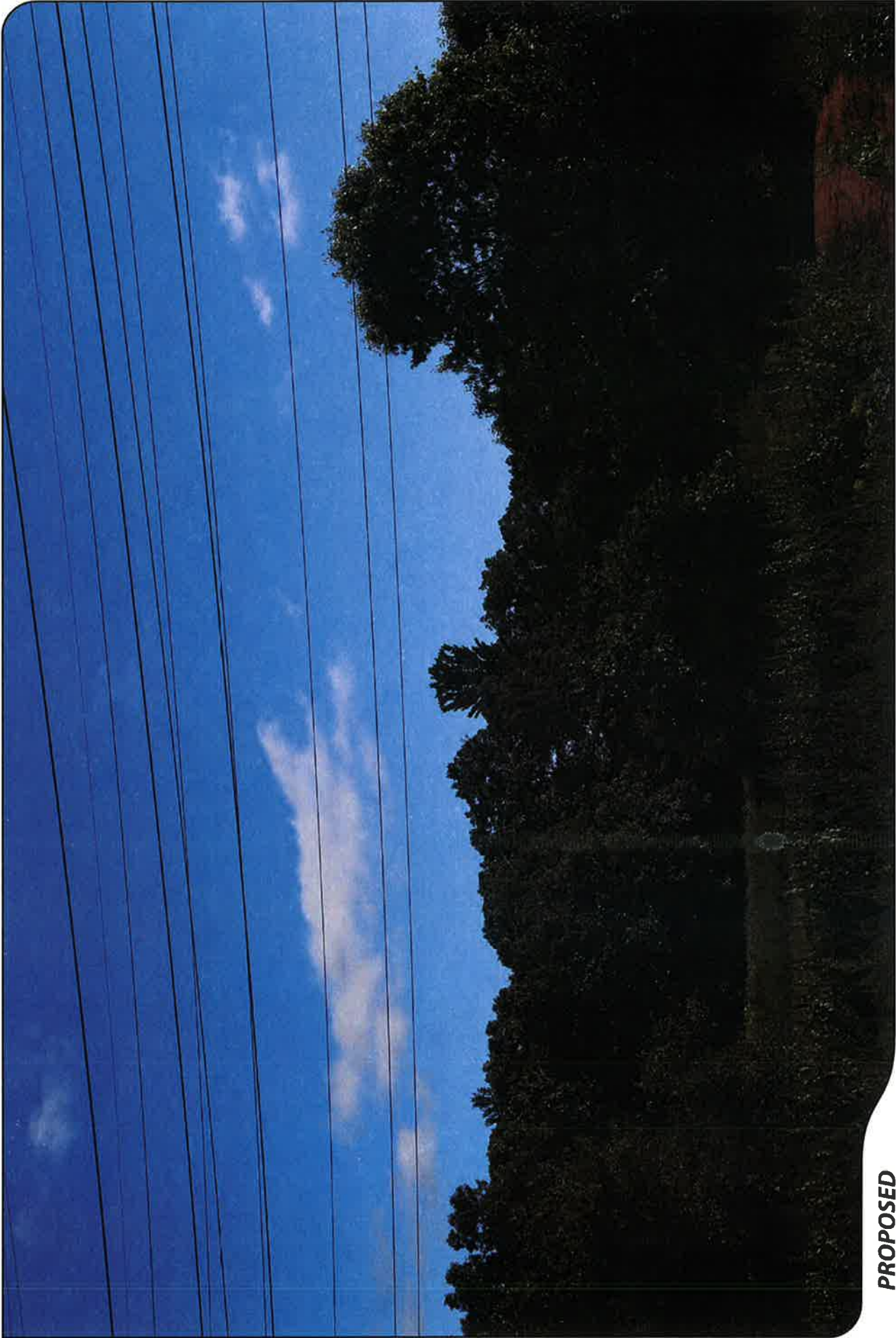




EXISTING

| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|-----------------|-------------|------------------|------------|
| 1 | STRAWBERRY LANE | NORTHEAST | +/- 0.11 MILE | YEAR ROUND |





PROPOSED

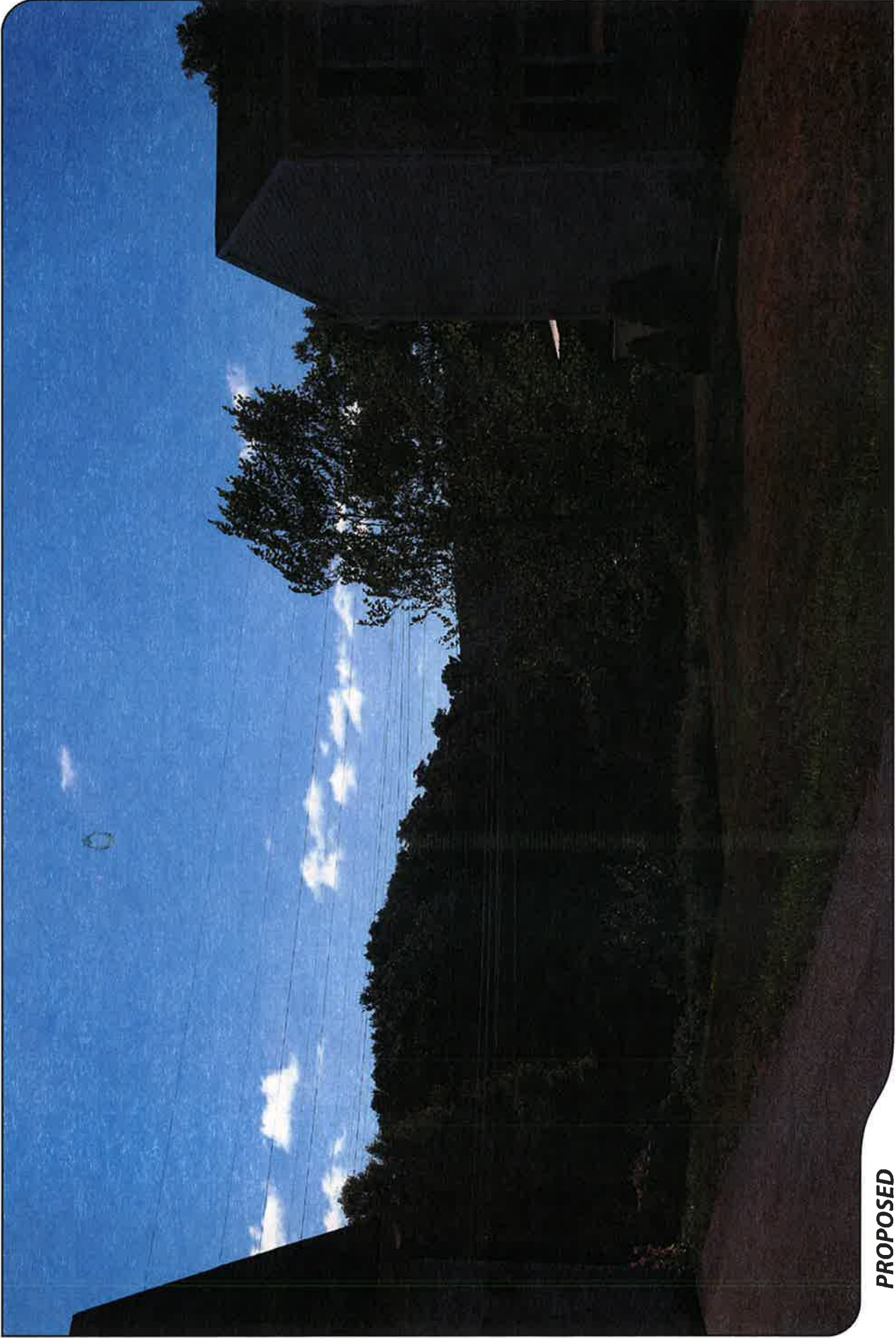
| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|-----------------|-------------|------------------|------------|
| 1 | STRAWBERRY LANE | NORTHEAST | +/- 0.11 MILE | YEAR ROUND |





EXISTING

| | | | | |
|-------|----------------|-------------|------------------|------------|
| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
| 2 | BLUEBERRY LANE | SOUTHEAST | +/- 0.16 MILE | YEAR ROUND |



PROPOSED

| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|----------------|-------------|------------------|------------|
| 2 | BLUEBERRY LANE | SOUTHEAST | +/- 0.16 MILE | YEAR ROUND |





EXISTING

PHOTO

3

LOCATION

MERIDEN AVENUE

ORIENTATION

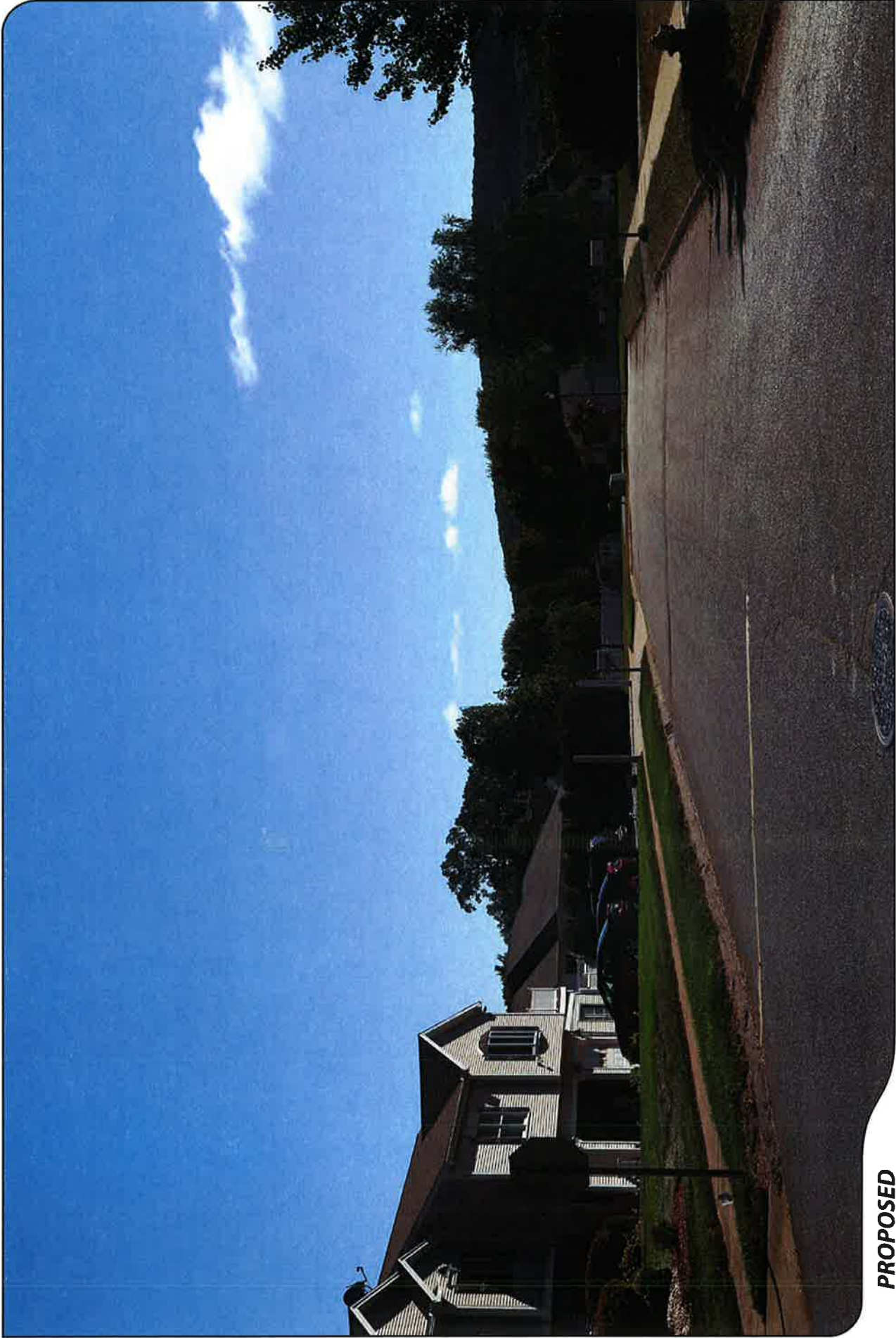
EAST

DISTANCE TO SITE

+/- 0.26 MILE

VISIBILITY

YEAR ROUND



PROPOSED

| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|----------------|-------------|------------------|------------|
| 3 | MERIDEN AVENUE | EAST | +/- 0.26 MILE | YEAR ROUND |



EXISTING

PHOTO

4

LOCATION

EAST STREET

ORIENTATION

NORTHEAST

DISTANCE TO SITE

+/- 0.13 MILE

VISIBILITY

YEAR ROUND

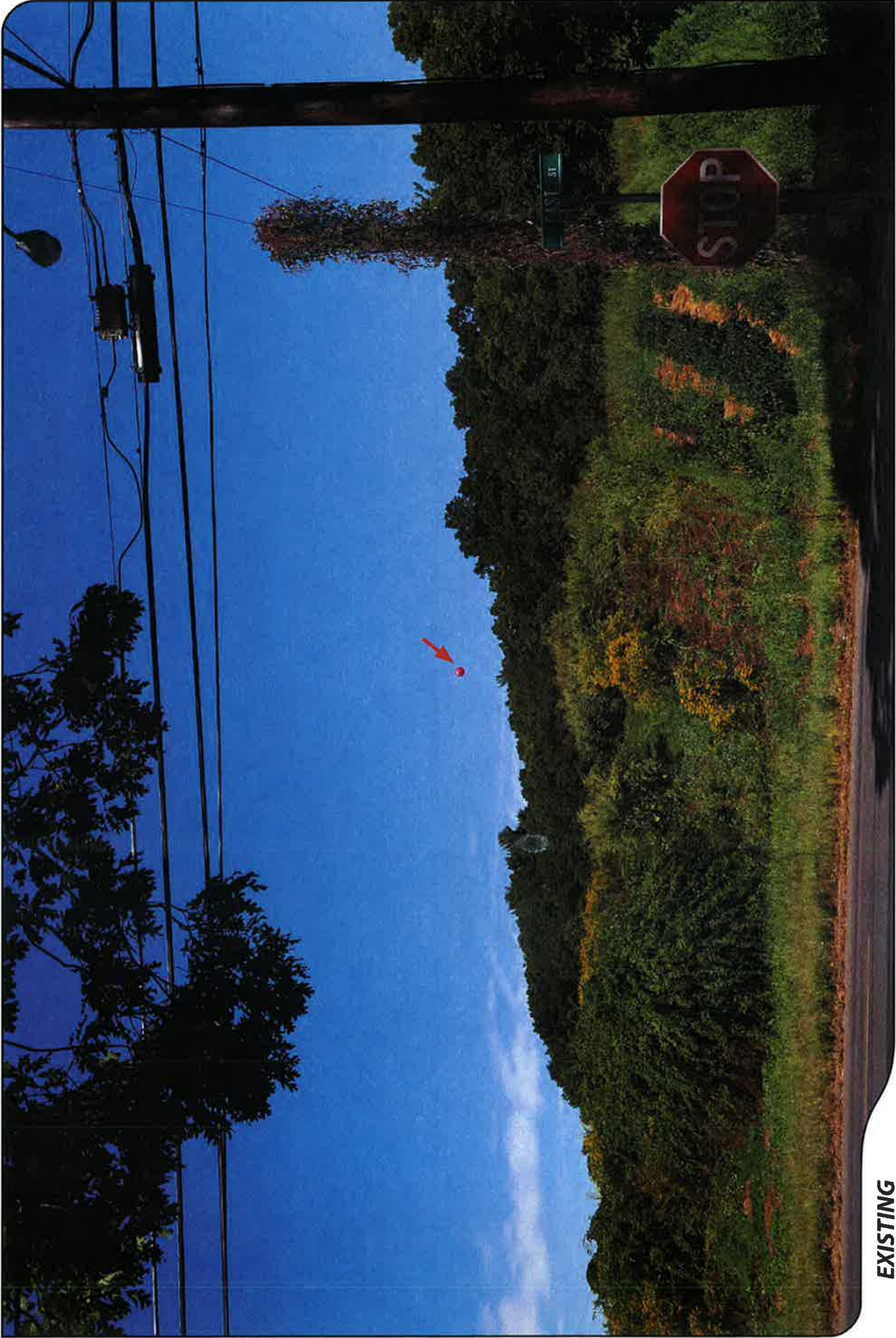




PROPOSED

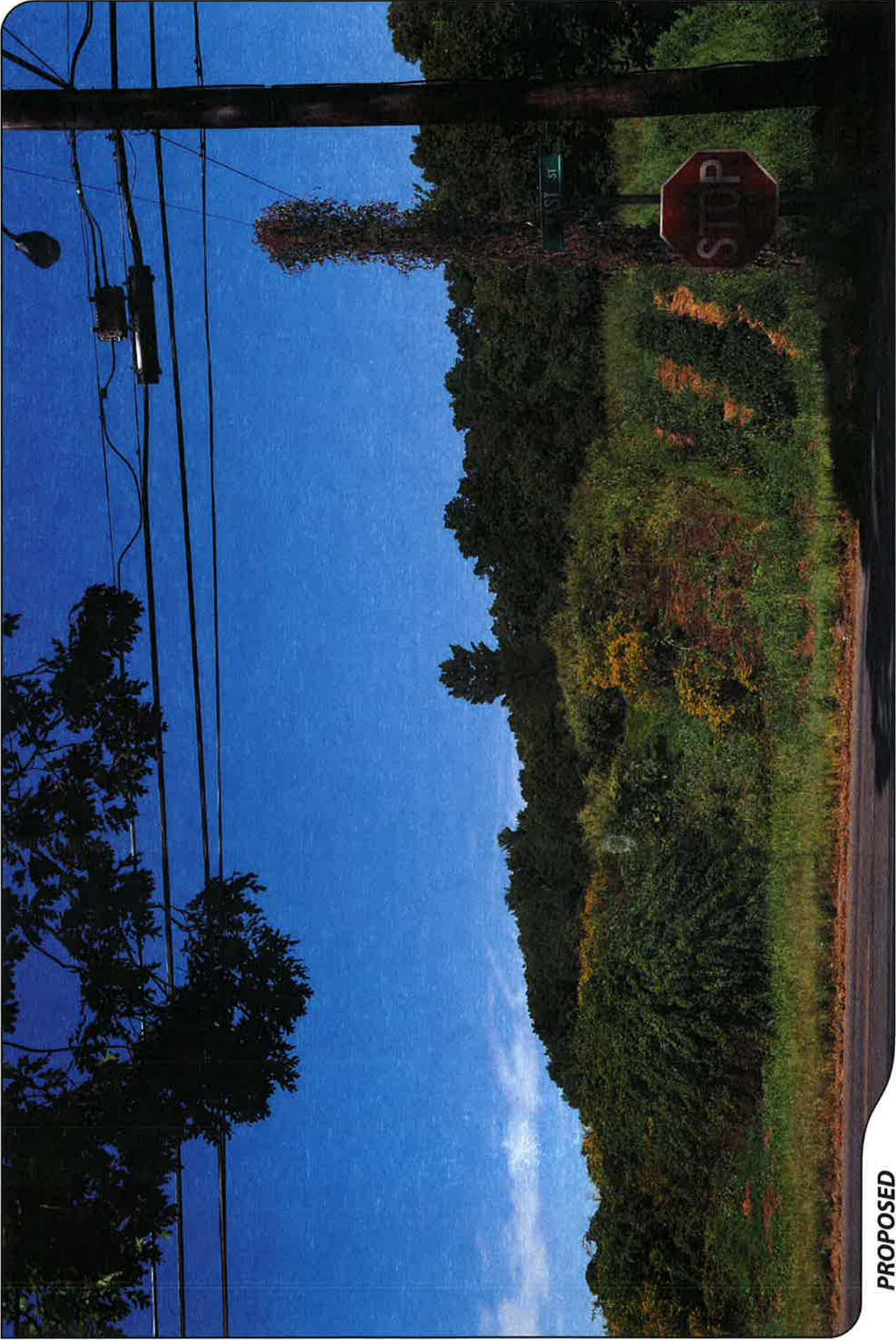
| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|-------------|-------------|------------------|------------|
| 4 | EAST STREET | NORTHEAST | +/- 0.13 MILE | YEAR ROUND |





EXISTING

| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|----------------------------------|-------------|------------------|------------|
| 5 | SOUTH PLAINS ROAD AT EAST STREET | NORTH | +/- 0.14 MILE | YEAR ROUND |



PROPOSED

PHOTO

5

LOCATION

SOUTH PLAINS ROAD AT EAST STREET

ORIENTATION

NORTH

DISTANCE TO SITE

+/- 0.14 MILE

VISIBILITY

YEAR ROUND



EXISTING

PHOTO
6

LOCATION
EAST STREET

ORIENTATION
NORTHWEST

DISTANCE TO SITE
+/- 0.12 MILE

VISIBILITY
YEAR ROUND



PROPOSED

PHOTO

6

LOCATION

EAST STREET

ORIENTATION

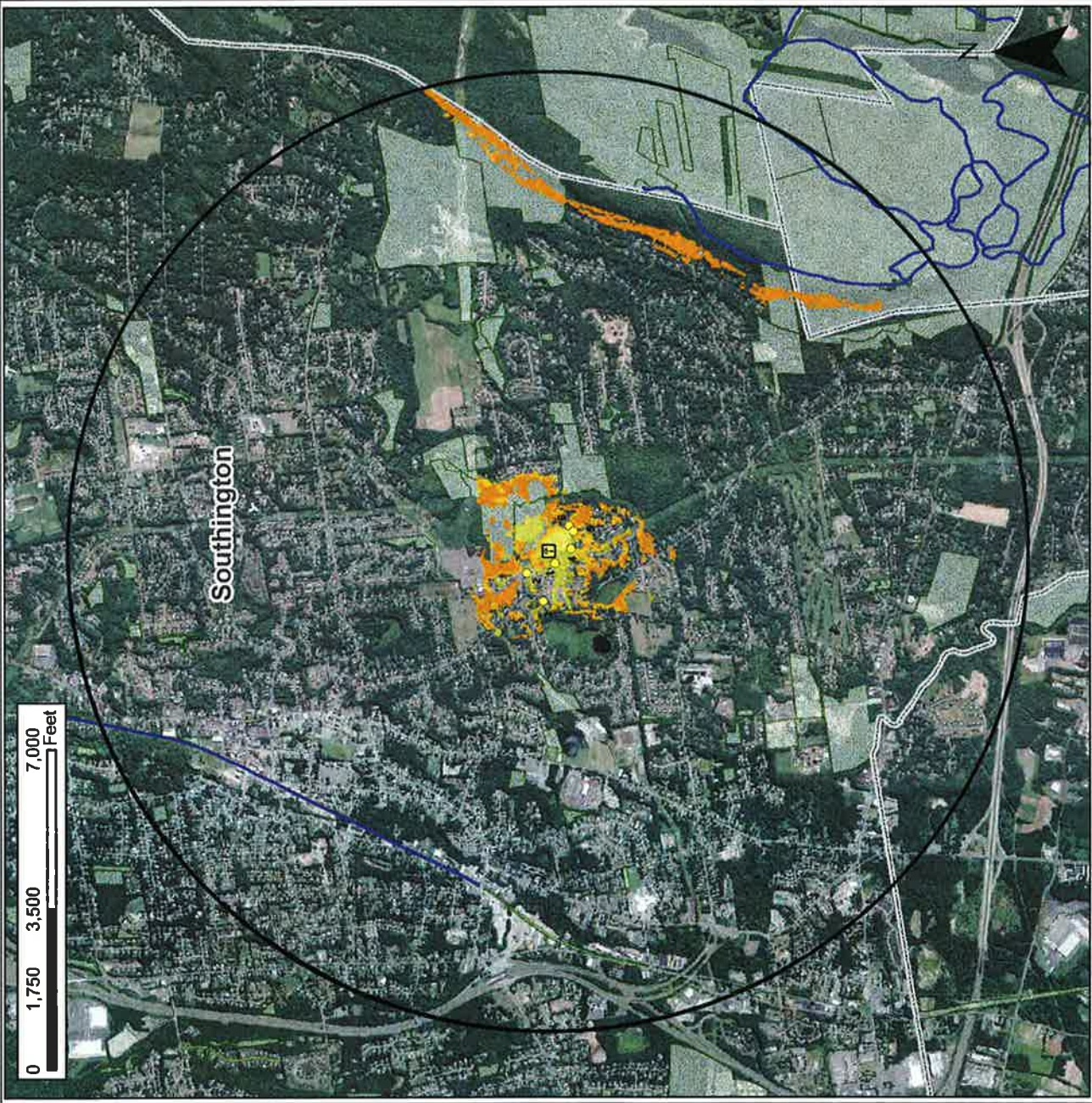
NORTHWEST

DISTANCE TO SITE

+/- 0.12 MILE

VISIBILITY

YEAR ROUND



Viewshed Map - Aerial Base

Proposed Wireless Telecommunications Facility
 East Street, Southington - CT1412300
 99 East Street, Southington, CT

Proposed facility height is 97 feet AGL.
 Existing tree canopy height estimated as 60 feet.
 Study area encompasses a two-mile radius and
 includes 8,042 acres of land.

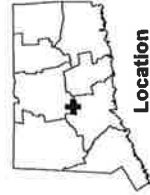
Map compiled 11/3/2014

Map information field verified by APT on 9/12/2014.

Only those resources located within the extent of the map are depicted. For a complete list of data sources consulted for this analysis, please refer to the Documentation Page.

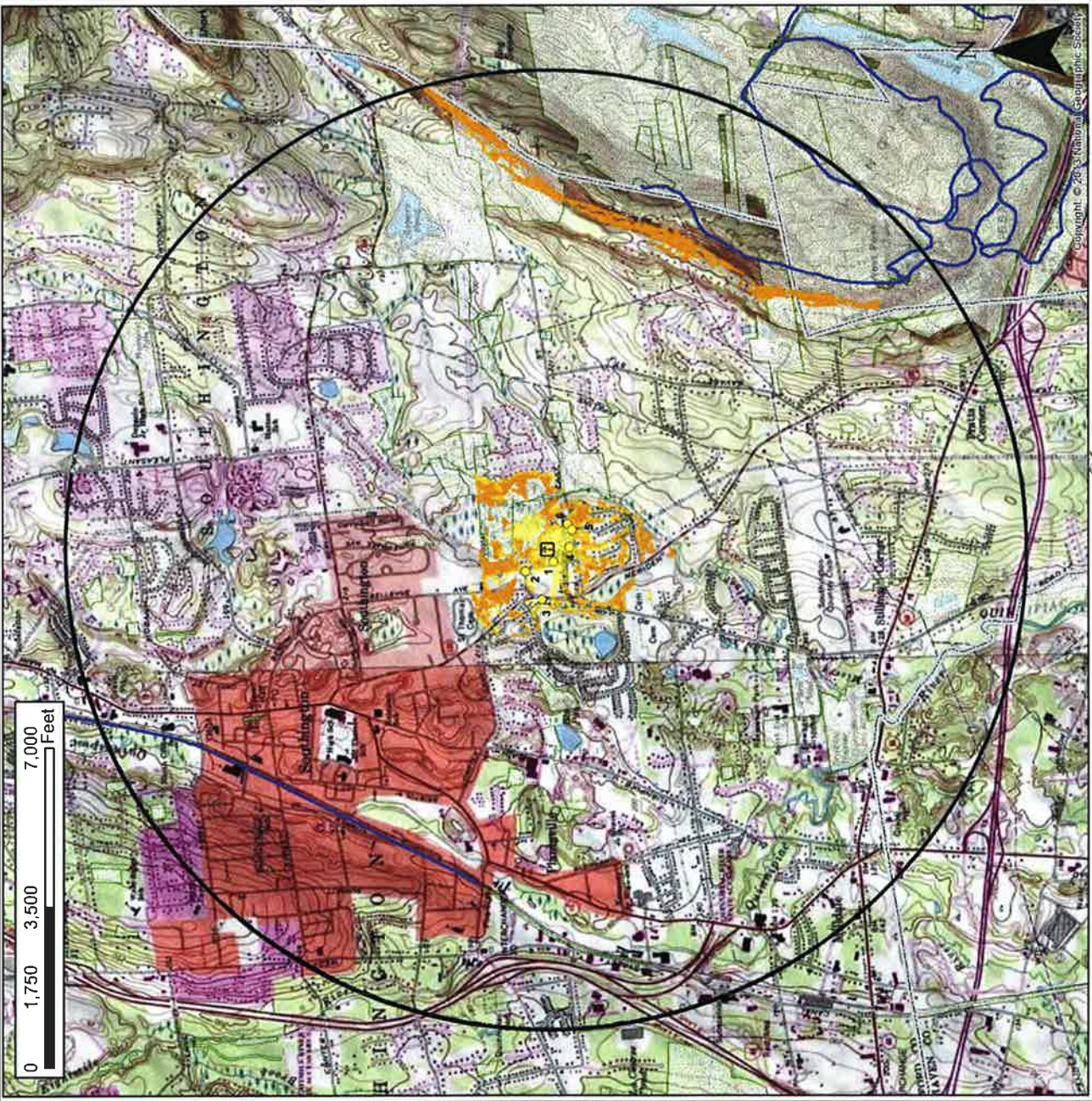
Legend

- Proposed Tower
- Photo Locations
- Year-round Views
- Trails
- Predicted Seasonal Visibility (67 Acres)
- Predicted Year-Round Visibility (30 Acres)
- Towns
- 2-Mile Study Area
- Open Space



Location





Viewshed Map – Topo Base

Proposed Wireless Telecommunications Facility
 East Street, Southington – CT1412300
 99 East Street, Southington, CT

Proposed facility height is 97 feet AGL.
 Existing tree canopy height estimated as 60 feet.
 Study area encompasses a two-mile radius and
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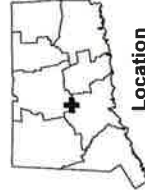
Map compiled 11/3/2014

Map information field verified by APT on 9/12/2014.

Only those resources located within the extent of the map are depicted. For a complete list of data sources consulted for this analysis, please refer to the Documentation Page.

Legend

- Proposed Tower
- Photo Locations
- Year-round Views
- Trails
- Predicted Seasonal Visibility (67 Acres)
- Predicted Year-Round Visibility (30 Acres)
- Towns
- 2-Mile Study Area
- Open Space



Location



DOCUMENTATION

SOURCES CONSULTED FOR VIEWSHED MAPS

99 East Street
Southington, Connecticut

Physical Geography / Background Data

Center for Land Use Education and Research, University of Connecticut (<http://clear.uconn.edu>)

- *Land Use / Land Cover (2006)
- *Coniferous and Deciduous Forest (2006)
- *LiDAR data – topography (2000)

United States Geological Survey

- *USGS topographic quadrangle maps – Southington; Meriden (1984)

National Resource Conservation Service

- *NAIP aerial photography (2012)

Department of Transportation data

- ^State Scenic Highways (updated monthly)

Heritage Consultants

- ^Municipal Scenic Roads

Cultural Resources

Heritage Consultants

- ^National Register
- ^Local Survey Data

Dedicated Open Space & Recreation Areas

Connecticut Department of Energy and Environmental Protection (DEEP)

- *DEEP Property (May 2007)
- *Federal Open Space (1997)
- *Municipal and Private Open Space (1997)
- *DEEP Boat Launches (1994)

Connecticut Forest & Parks Association

- ^Connecticut Walk Books East & West –
The Guide to the Blue-Blazed Hiking Trails of Eastern Connecticut, 19th Edition, 2005; and,
The Guide to the Blue-Blazed Hiking Trails of Eastern Connecticut Western Connecticut, 19th Edition, 2006.

Other

- ^ConnDOT Scenic Strips (based on Department of Transportation data)

*Available to the public in GIS-compatible format (some require fees).

- ^Data not available to general public in GIS format. Reviewed independently and, where applicable, GIS data later prepared specifically for this Study Area.

LIMITATIONS

The visibility analysis map(s) presented in this report depict areas where the proposed Facility may potentially be visible to the human eye without the aid of magnification based on a viewer eye-height of 5 feet above the ground and intervening topography and an assumed tree canopy height of 60 feet. This analysis may not necessarily account for all visible locations, as it is based on the combination of computer modeling, incorporating 2012 aerial photographs, and in-field observations from publicly-accessible locations. No access to private properties beyond the host Property was provided to APT personnel. This analysis does not claim to depict the only areas, or all locations, where visibility may occur; it is intended to provide a representation of those areas where the Facility is likely to be seen.

The photo-simulations in this report are provided for visual representation only. Actual visibility depends on various environmental conditions, including (but not necessarily limited to) weather, season, time of day, and viewer location.



Department of Economic and
Community Development

Connecticut
still revolutionary

January 16, 2014

Mr. Lucas Karmazinas
All-Points Technical Corporation
3 Saddlebrook Drive
Killingworth, CT 06419

Subject: Proposed Telecommunications Facility
99 East Street
Southington, CT
Verizon Wireless

Dear Mr. Karmazinas:

The State Historic Preservation Office is in receipt of the proposal for the above-referenced project, submitted for review and comment pursuant to the National Historic Preservation Act and in accordance with Federal Communications Commission regulations.

On January 7, 2014 you responded via email to our conditional no adverse effect determination letter on the above-referenced undertaking and dated December 22, 2014, requesting elaboration on this office's stance on why we prefer the use of monopoles over monopines.

The CT SHPO has found that monopines do not minimize the visibility of wireless equipment, which is what they were created to do, and in fact create more of a visual impact than a standard monopole. This office recognizes that cell towers are now a part of our landscape. In the cases that have been reviewed by this office, the jarring visual effect of a monopine is often more distributive to the natural environment than a standard monopole painted a neutral color.

Perhaps there are advances to the design of monopoles that can sway the initial determination on the above-referenced undertaking. If you wish, I would be happy to review photographic simulations of the monopine and any other equipment associated with this undertaking, as well as drawings and specifications of the proposed monopine.

The State Historic Preservation Office appreciates the opportunity to review and comment upon this project. These comments are provided in accordance with the

State Historic Preservation Office

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Department of Economic and
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Connecticut Environmental Policy Act and Section 106 of the National Historic Preservation Act. For further information please contact Todd Levine, Environmental Reviewer, at (860) 256-2759 or todd.levine@ct.gov.

Sincerely,

A handwritten signature in blue ink that reads "Mary B. Dunne".

Mary B. Dunne
Deputy State Historic Preservation Officer

105

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Community Development

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December 22, 2014

Mr. Lucas Karmazinas
All-Points Technical Corporation
3 Saddlebrook Drive
Killingworth, CT 06419

Subject: Proposed Telecommunications Facility
99 East Street
Southington, CT
Verizon Wireless

Dear Mr. Karmazinas:

The State Historic Preservation Office is in receipt of the proposal for the above-referenced project, submitted for review and comment pursuant to the National Historic Preservation Act and in accordance with Federal Communications Commission regulations.

In the opinion of this office, the proposed undertaking will have no adverse effect on contributing resources listed or eligible for listing on the National Register of Historic Places, with the following conditions:

1. the 97' monopole (instead of a monopine) and associated equipment within a 50' by 50' fenced compound will be designed and installed to be as non-visible as possible,
2. if not in use for six consecutive months, the monopole and associated equipment shall be removed by the telecommunications facility owner. This removal shall occur within 90 days of the end of such six-month period.

The State Historic Preservation Office appreciates the opportunity to review and comment upon this project. These comments are provided in accordance with the Connecticut Environmental Policy Act and Section 106 of the National Historic Preservation Act. For further information please contact Todd Levine, Environmental Reviewer, at (860) 256-2759 or todd.levine@ct.gov.

Sincerely,

Mary B. Derric

Deputy State Historic Preservation Officer

State Historic Preservation Office

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ATTACHMENT 5

From: Levine, Todd [<mailto:Todd.Levine@ct.gov>]
Sent: Tuesday, February 17, 2015 10:16 AM
To: Nicole Castro
Subject: RE: Southington East St a/k/a Meriden Relo

Hi Nicole,

I received your report, thank you. While the monopole design appears to be an improvement to some past examples our office has seen, the overall use of monopoles are still frowned upon in our office.

~T~

Todd Levine
Historian
Environmental Reviewer
Freedom Trail & W3R Coordinator
State Historic Preservation Office
Department of Economic & Community Development
1 Constitution Plaza, 2nd floor
Hartford, CT 06103

860-256-2800 (main)
860-256-2759 (direct)
860-256-2763 (fax)

www.cultureandtourism.org

www.ct.gov/eccd

www.CTvisit.com



From: Nicole Castro [<mailto:NCastro@allpointstech.com>]
Sent: Tuesday, February 17, 2015 8:37 AM
To: Levine, Todd
Subject: RE: Southington East St a/k/a Meriden Relo

Good Morning, Todd. I understand you may be in the field today, but wanted to email you to check-in on the Southington East Street a/k/a Meriden Relo regarding the monopine design. Let me know if you've had a chance to review. Please let me know if you need any additional information, and feel free to email me your response letter.

Stay warm if you are out in the field today!

Thank you,

Nicole Castro

Project Manager / GIS Analyst



860.663.1697 x213 (Office) | 860.558.5037 (Cell)

From: Levine, Todd [<mailto:Todd.Levine@ct.gov>]
Sent: Monday, February 09, 2015 11:18 AM
To: Nicole Castro
Cc: Lucas Karmazinas
Subject: RE: Southington East St a/k/a Meriden Relo

Thanks Nicole.

~T~

Todd Levine
Historian
Environmental Reviewer
Freedom Trail & W3R Coordinator
State Historic Preservation Office
Department of Economic & Community Development
1 Constitution Plaza, 2nd floor
Hartford, CT 06103

860-256-2800 (main)

860-256-2759 (direct)

860-256-2763 (fax)

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www.CTvisit.com

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still revolutionary

From: Nicole Castro [<mailto:NCastro@allpointstech.com>]
Sent: Thursday, February 05, 2015 5:14 PM
To: Levine, Todd

Cc: Lucas Karmazinas

Subject: Southington East St a/k/a Meriden Relo

Hi Todd,

Please see attached. A hard copy will be mailed to you.

Feel free to contact me with any questions or concerns.

I appreciate your time in reviewing this further.

Best,

Nicole Castro

Project Manager / GIS Analyst



3 Saddlebrook Drive, Killingworth, CT 06419
860.663.1697 x213 (Office) | 860.558.5037 (Cell)
ncastro@allpointstech.com | www.allpointstech.com

ATTACHMENT 6



February 19, 2015

To: Mr. Todd Levine
State of Connecticut Department of
Economic and Community Development
State Historic Preservation Office
One Constitution Plaza, Second Floor
Hartford, CT 06103

Re: Proposed Wireless Telecommunications Monopine Facility
Southington East St a/k/a/ Meriden Relo
99 East Street
Southington, Connecticut 06489
APT Project#: CT1412300, Ensite#: 21574

Dear Mr. Levine,

As per our telephone conversation earlier this week regarding your office's review of the above referenced facility, you expressed SHPO's general disapproval of faux pine trees (monopines) as a camouflaging technique for communication towers and preference of a standard monopole tower design. In regard to the Southington East St Site (the "Site"), you stated that your primary concern is views of the monopine during winter/leaf-off conditions from areas near the Site where it would be most visible. This includes locations along East Street, Blueberry Lane and Strawberry Lane, in particular. No historic properties or resources, however were identified in these areas. Although your concern appears to be unrelated to the determination of effects on historic resources, we have updated our photographic simulations per your request to depict simulated views of the proposed monopine during winter/leaf-off conditions. Furthermore, we have also included views from the historic resource identified within the visual APE located 0.25-mile northwest of the Site at 391 Belleview Avenue (NR #88003096). These photographs were taken on February 17, 2015 and are attached.

We determined in our original submission that the proposed undertaking would present No Adverse Effects to the historic property within the visual APE, as its minimal seasonal visibility would not compromise the character and integrity that constitutes its historical significance. Your December 22, 2014 letter concurs with Lucas Karmazinas' professional opinion of a No Adverse Effect finding, but with the condition of a monopole design. A monopine tower is being proposed at the Site per the request of the Town, owner of the subject property and neighbors. As a result, we are requesting SHPO's determination of effects of the proposed monopine tower on the historic property identified in the visual APE located at 391 Belleview Avenue. We hope that the additional photographs from this resource will be helpful in your final determination.

Sincerely,

All-Points Technology Corporation, P.C.

Nicole Castro
Project Manager/GIS Analyst

Attachments

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE · KILLINGWORTH, CT 06419 · PHONE 860-663-1697 · FAX 860-663-0935



Rustic Oak Dr

Site

391 Belleview Avenue (NR #88003096)

East St

Plains Rd

Belleview Ave

Strawberry Ln

Blueberry Ln

South End Rd
Ramp
End Rd

State Hwy 120

Meriden Ave

Laurel Ln

Pondview Dr

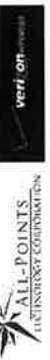
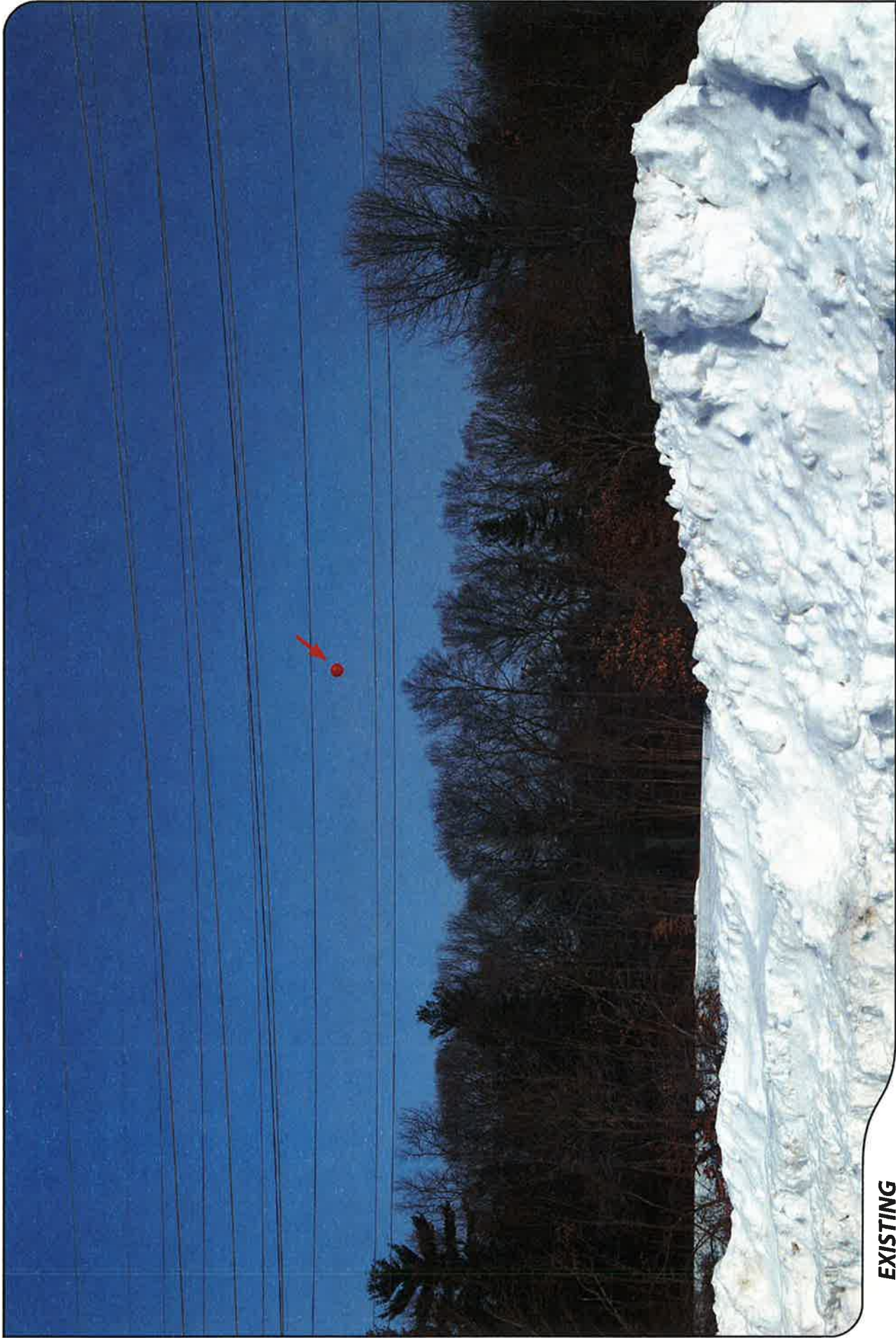


PHOTO LOG

- Legend**
- Site
 - Photo Location



EXISTING

| | | | | |
|------------|-----------------------------|--------------------------|-----------------------------------|--------------------------|
| PHOTO 1 | LOCATION STRAWBERRY LANE | ORIENTATION NORTHEAST | DISTANCE TO SITE +/- 0.10 MILE | VISIBILITY YEAR ROUND |
|------------|-----------------------------|--------------------------|-----------------------------------|--------------------------|





PROPOSED

PHOTO

1

LOCATION

STRAWBERRY LANE

ORIENTATION

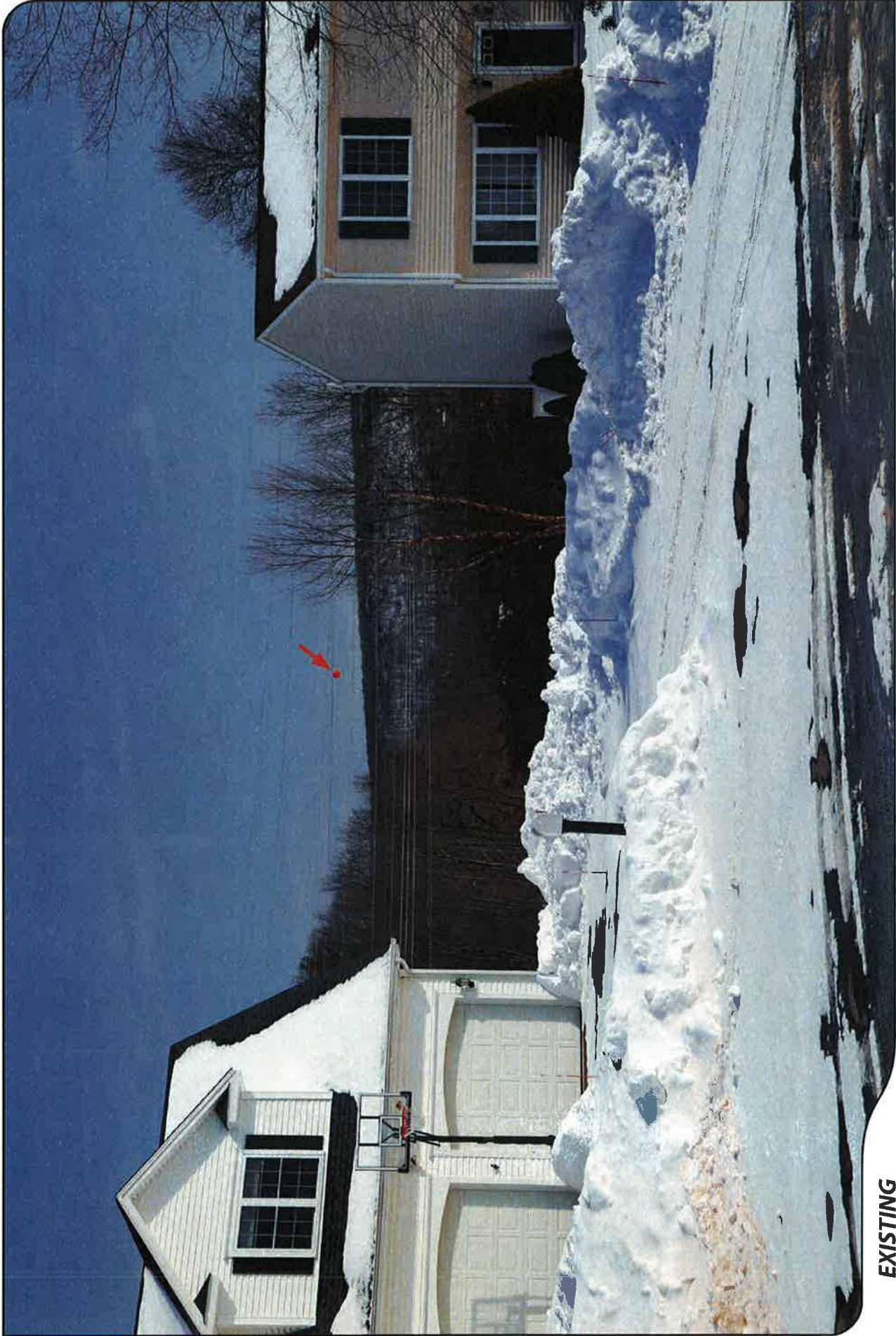
NORTHEAST

DISTANCE TO SITE

+/- 0.10 MILE

VISIBILITY

YEAR ROUND



EXISTING

PHOTO

2

LOCATION

BLUEBERRY LANE

ORIENTATION

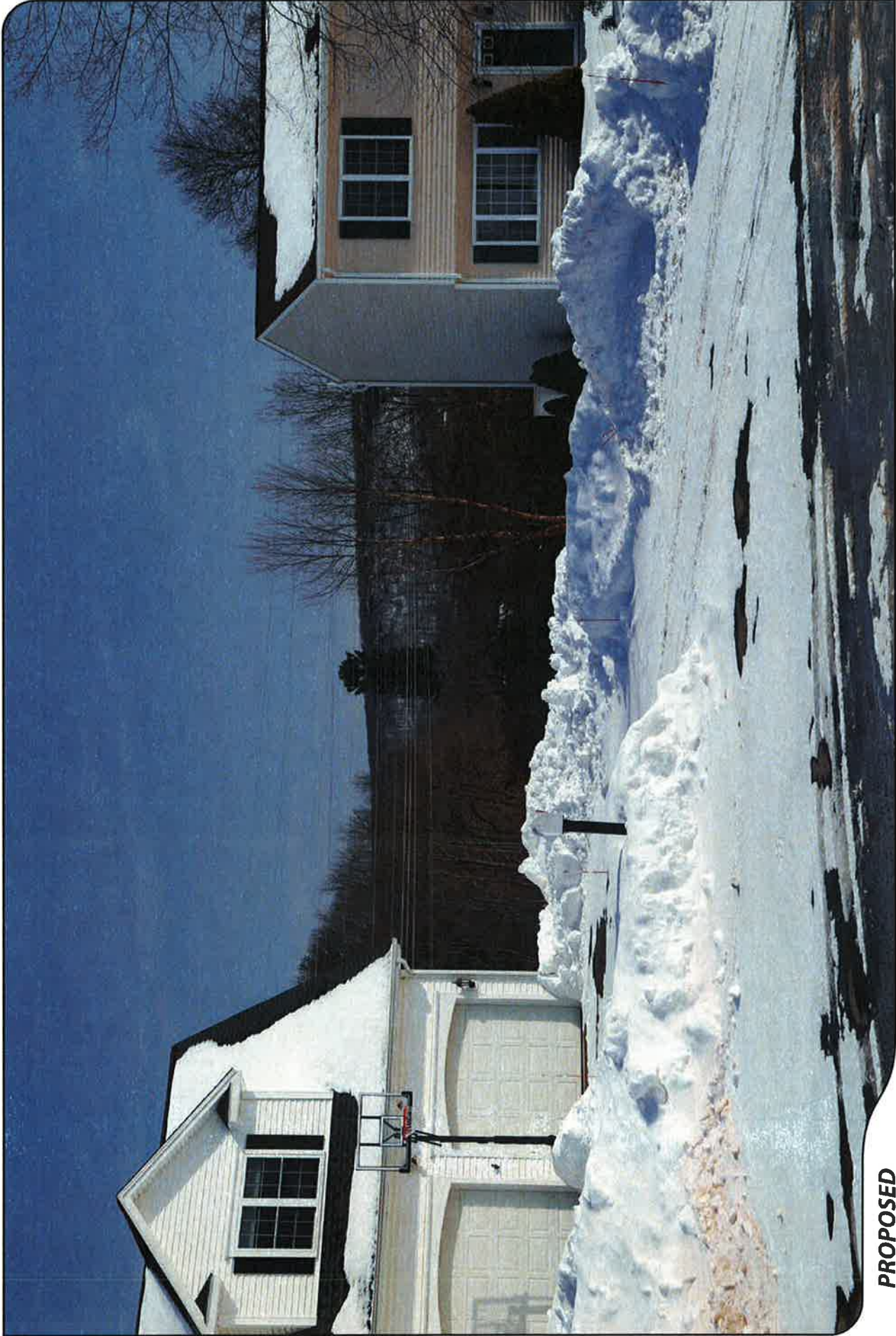
SOUTHEAST

DISTANCE TO SITE

+/- 0.14 MILE

VISIBILITY

YEAR ROUND



PROPOSED

PHOTO

2

LOCATION

BLUEBERRY LANE

ORIENTATION

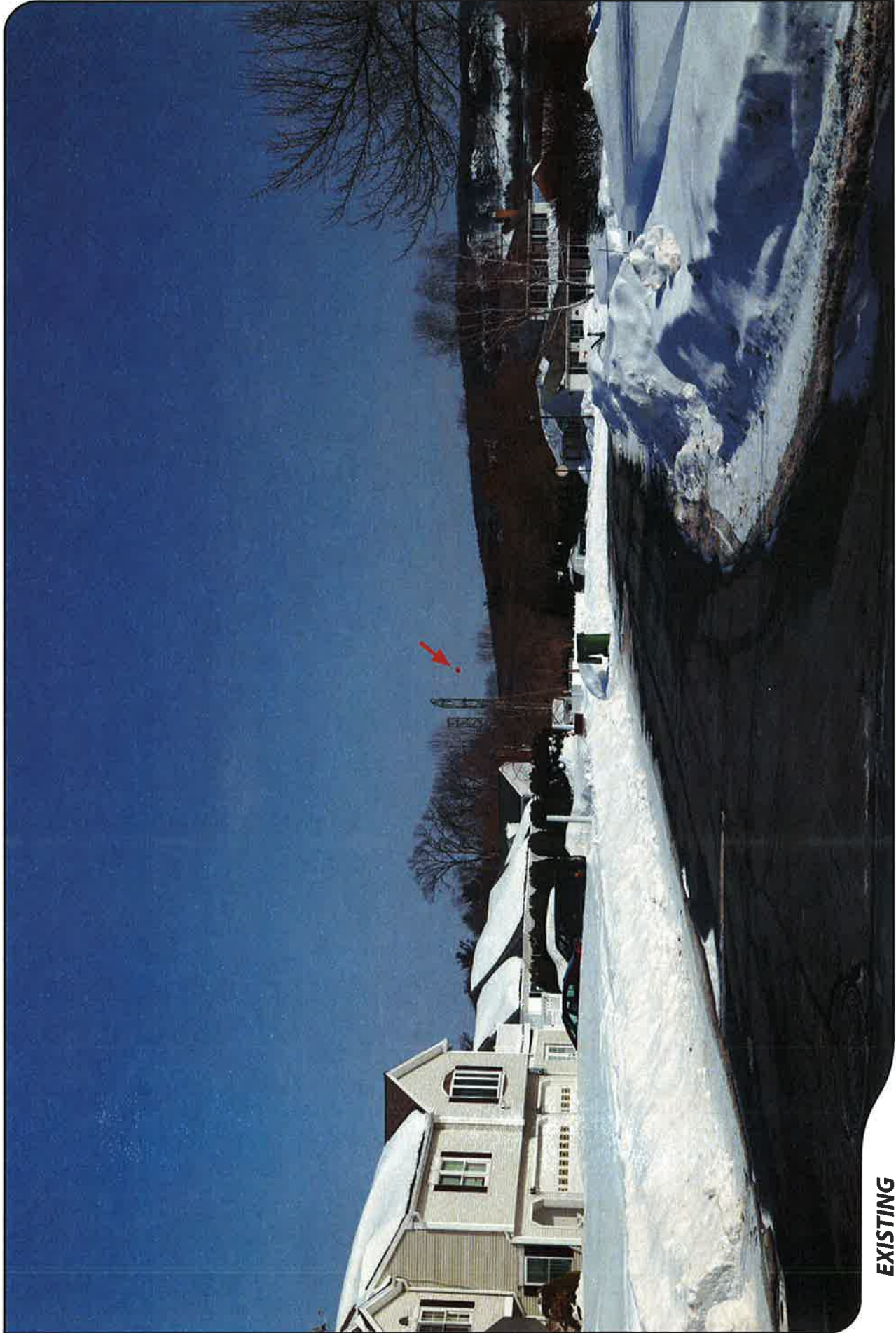
SOUTHEAST

DISTANCE TO SITE

+/- 0.14 MILE

VISIBILITY

YEAR ROUND



EXISTING

PHOTO

3

LOCATION

MERIDEN AVENUE

ORIENTATION

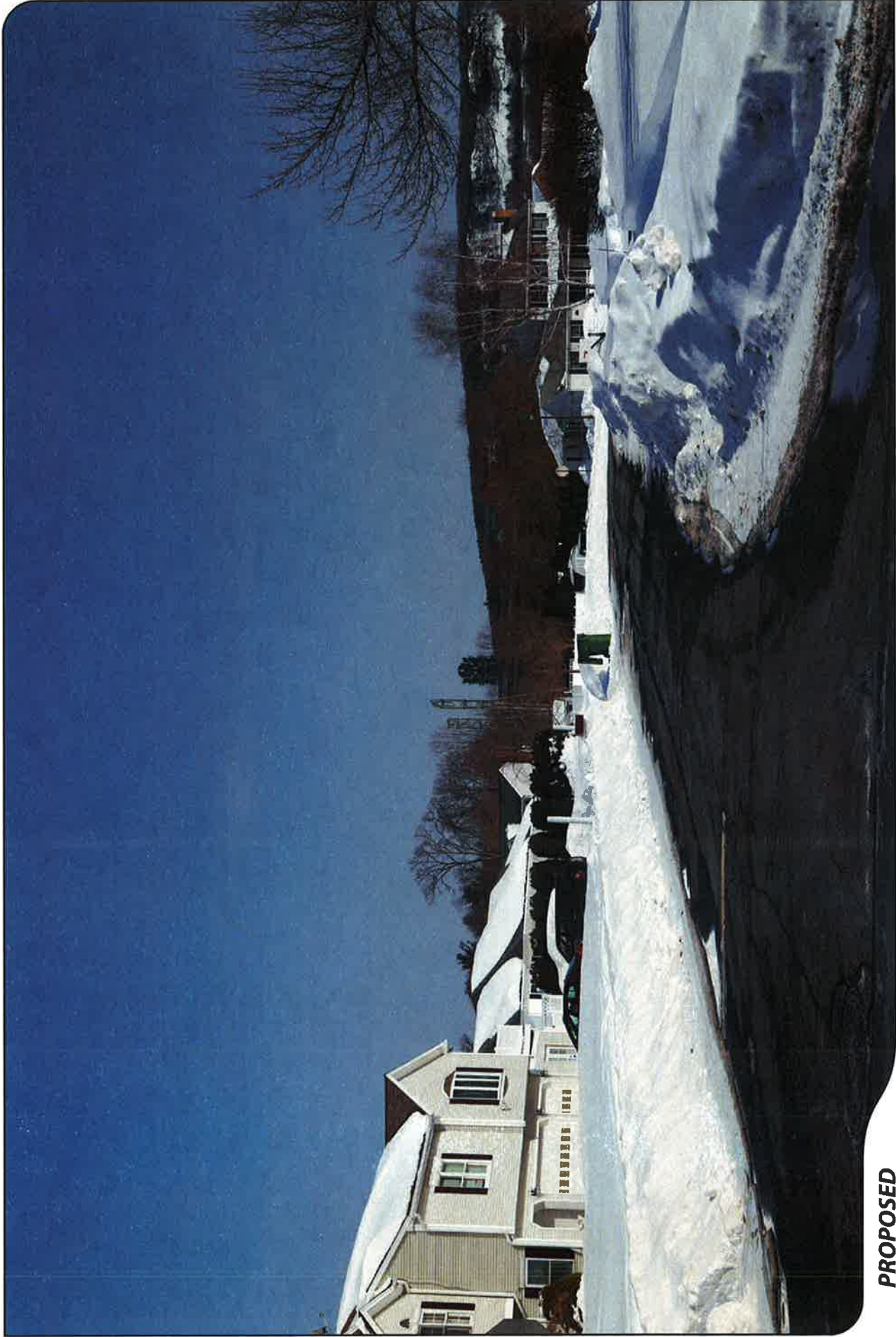
EAST

DISTANCE TO SITE

+/- 0.24 MILE

VISIBILITY

YEAR ROUND



PROPOSED

PHOTO

3

LOCATION

MERIDEN AVENUE

ORIENTATION

EAST

DISTANCE TO SITE

+/- 0.24 MILE

VISIBILITY

YEAR ROUND



EXISTING

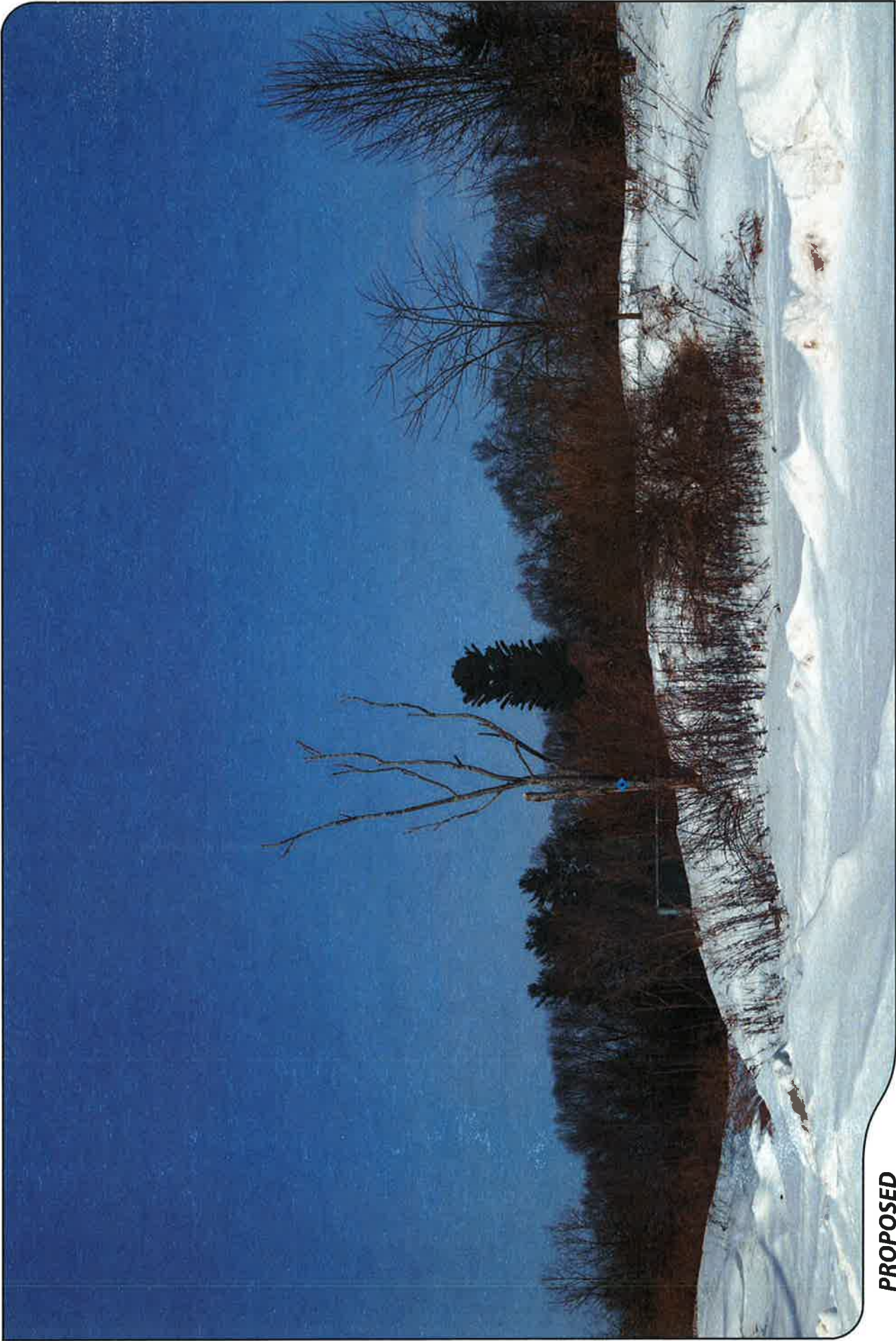
PHOTO
4

LOCATION
EAST STREET

ORIENTATION
NORTHEAST

DISTANCE TO SITE
+/- 0.13 MILE

VISIBILITY
YEAR ROUND



PROPOSED

PHOTO

4

LOCATION

EAST STREET

ORIENTATION

NORTHEAST

DISTANCE TO SITE

+/- 0.13 MILE

VISIBILITY

YEAR ROUND



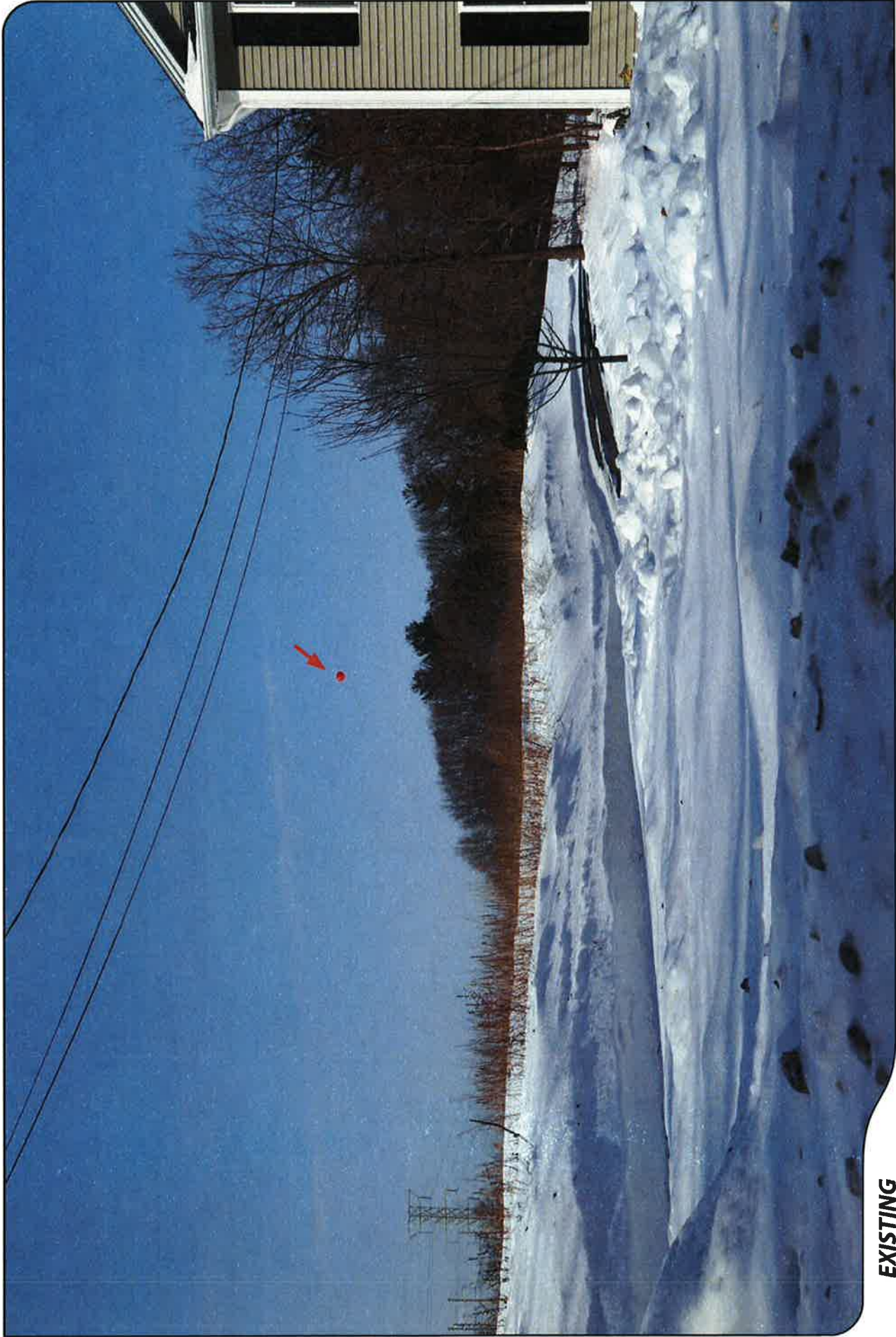
EXISTING

| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|----------------------------------|-------------|------------------|------------|
| 5 | SOUTH PLAINS ROAD AT EAST STREET | NORTH | +/- 0.15 MILE | YEAR ROUND |



PROPOSED

| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|----------------------------------|-------------|------------------|------------|
| 5 | SOUTH PLAINS ROAD AT EAST STREET | NORTH | +/- 0.15 MILE | YEAR ROUND |



EXISTING

PHOTO

6

LOCATION

EAST STREET

ORIENTATION

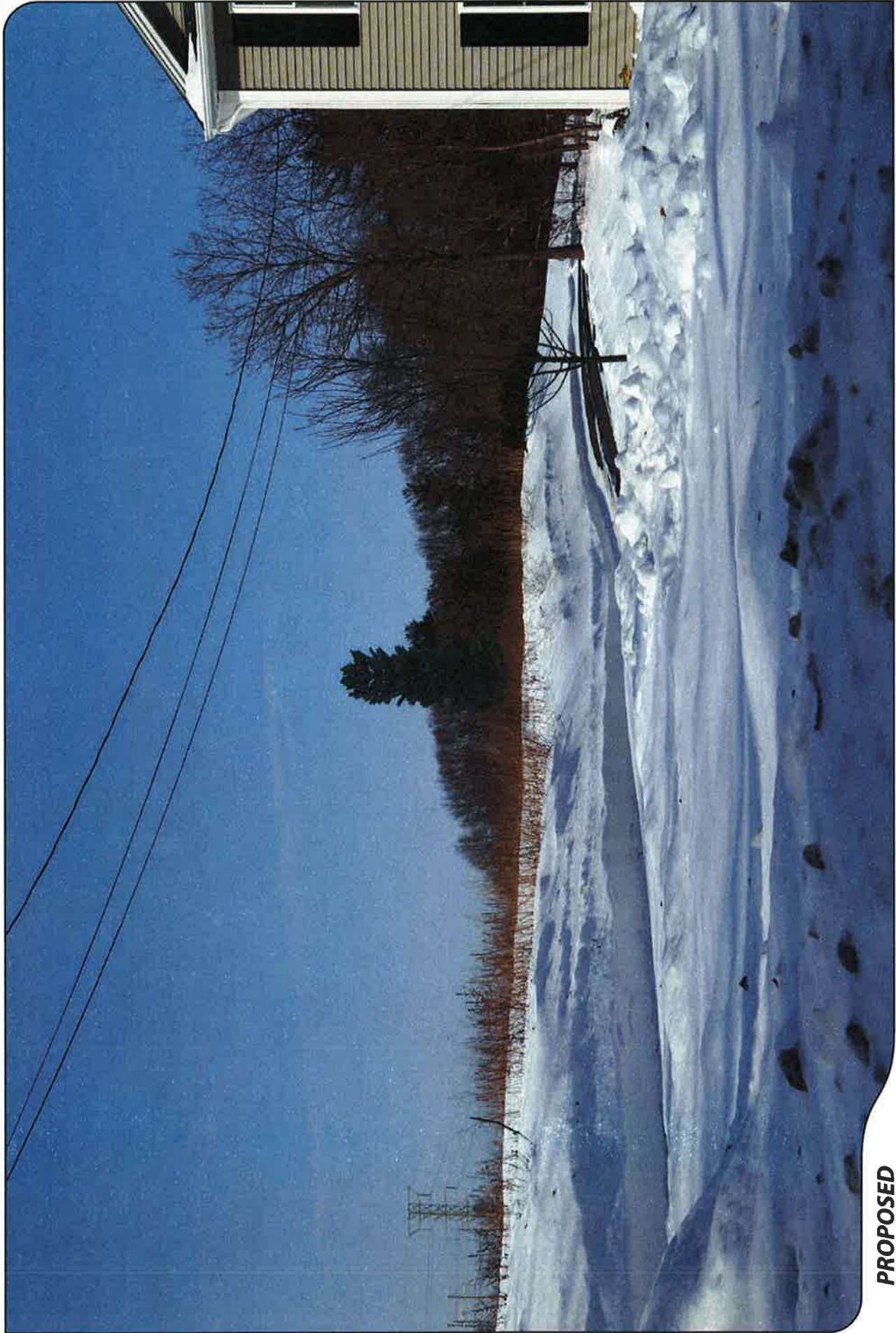
NORTHWEST

DISTANCE TO SITE

+/- 0.14 MILE

VISIBILITY

YEAR ROUND



PROPOSED

PHOTO

6

LOCATION

EAST STREET

ORIENTATION

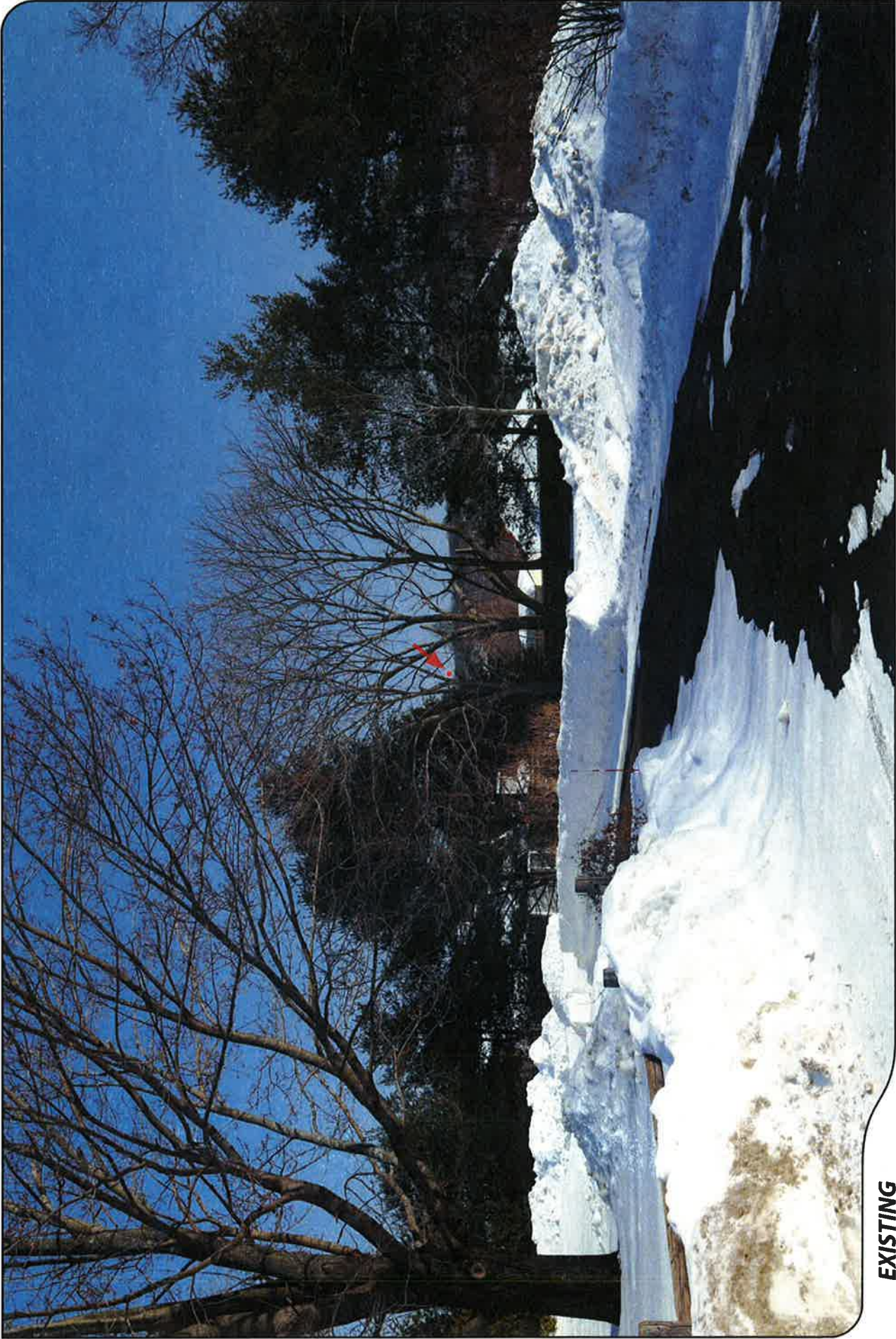
NORTHWEST

DISTANCE TO SITE

+/- 0.14 MILE

VISIBILITY

YEAR ROUND



EXISTING

PHOTO

7

LOCATION

391 BELLEVIEW AVENUE (NR #88003096)

ORIENTATION

SOUTHEAST

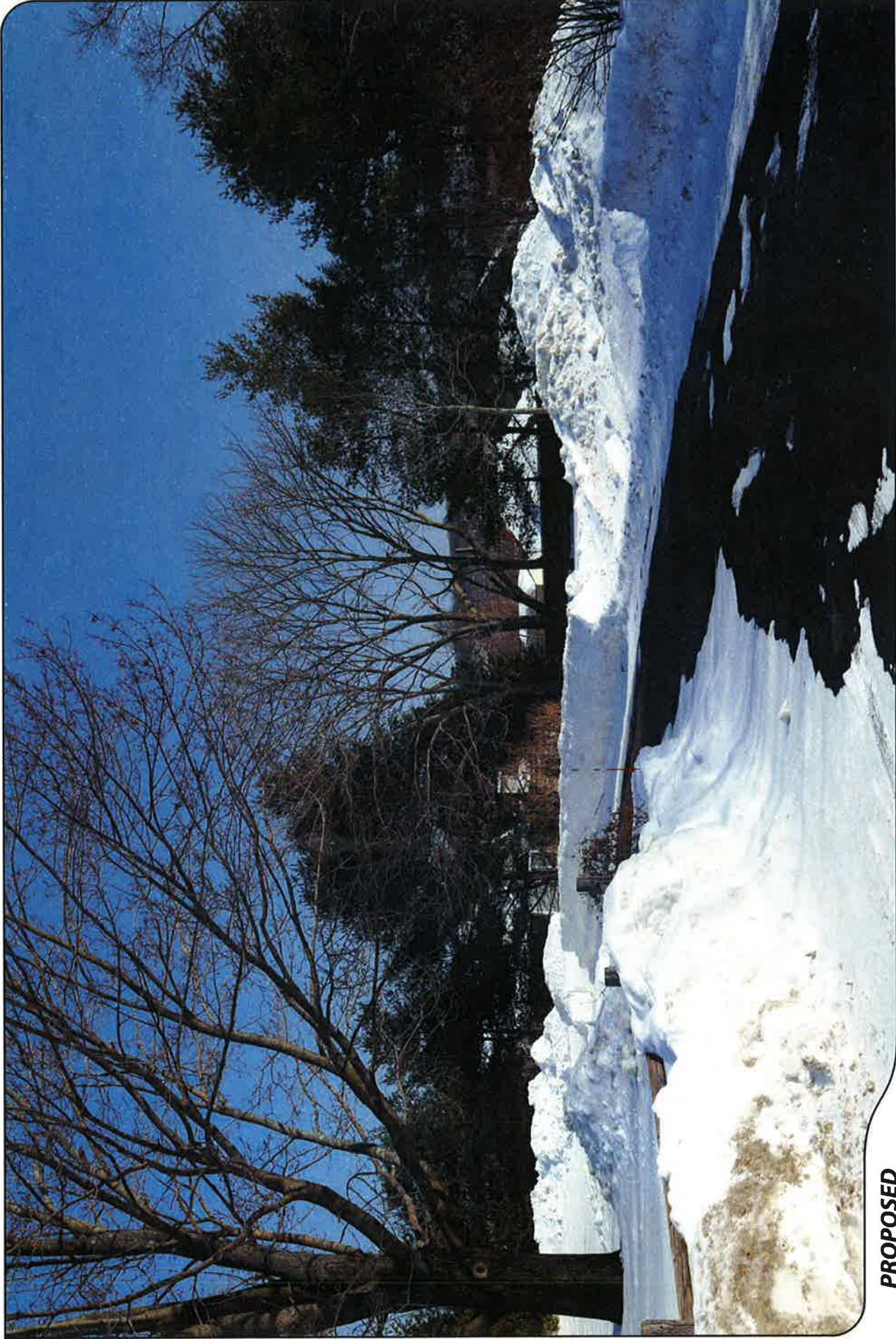
DISTANCE TO SITE

+/- 0.22 MILE

VISIBILITY

YEAR ROUND





PROPOSED

PHOTO

7

LOCATION

391 BELLEVIEW AVENUE (NR #88003096)

ORIENTATION

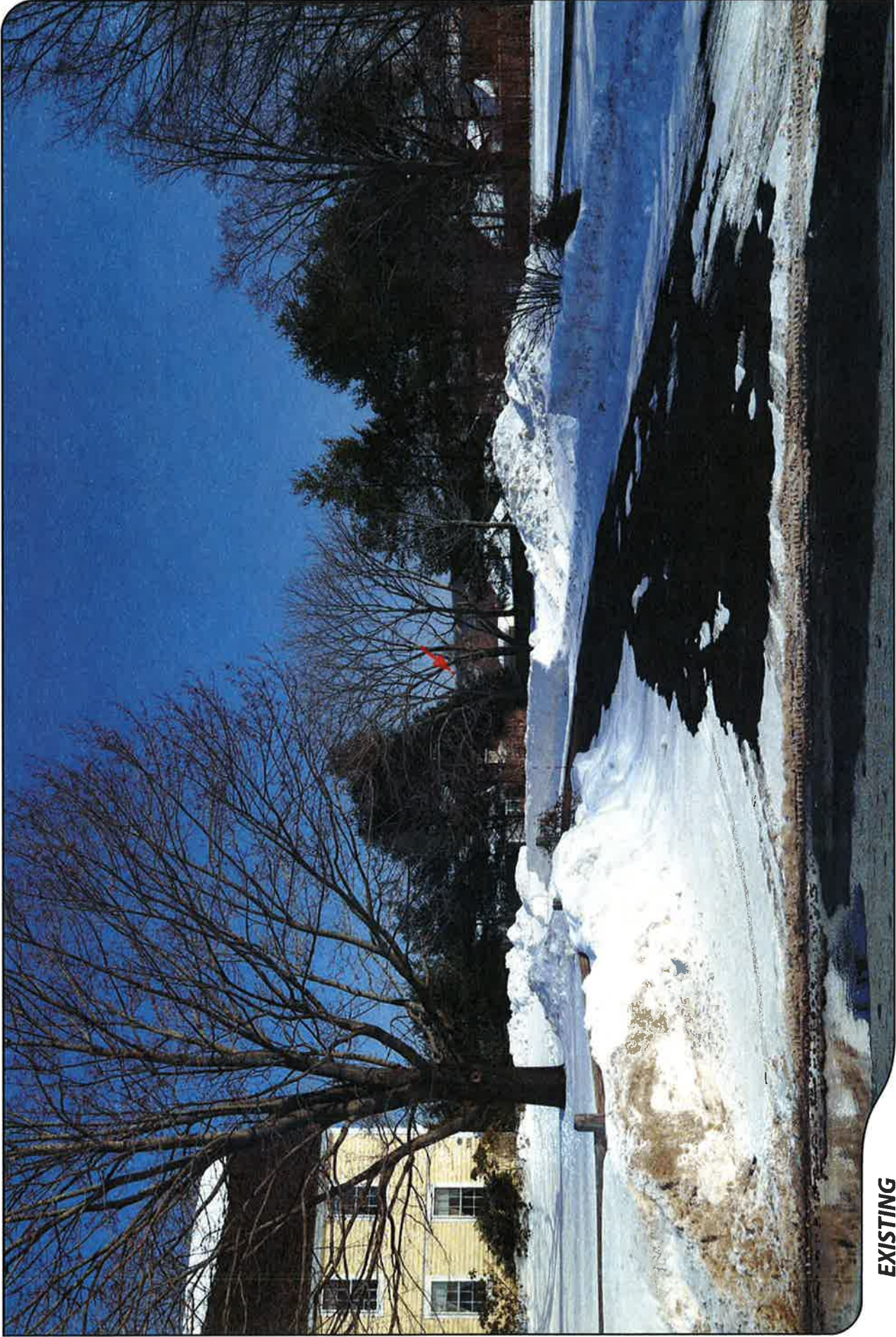
SOUTHEAST

DISTANCE TO SITE

+/- 0.22 MILE

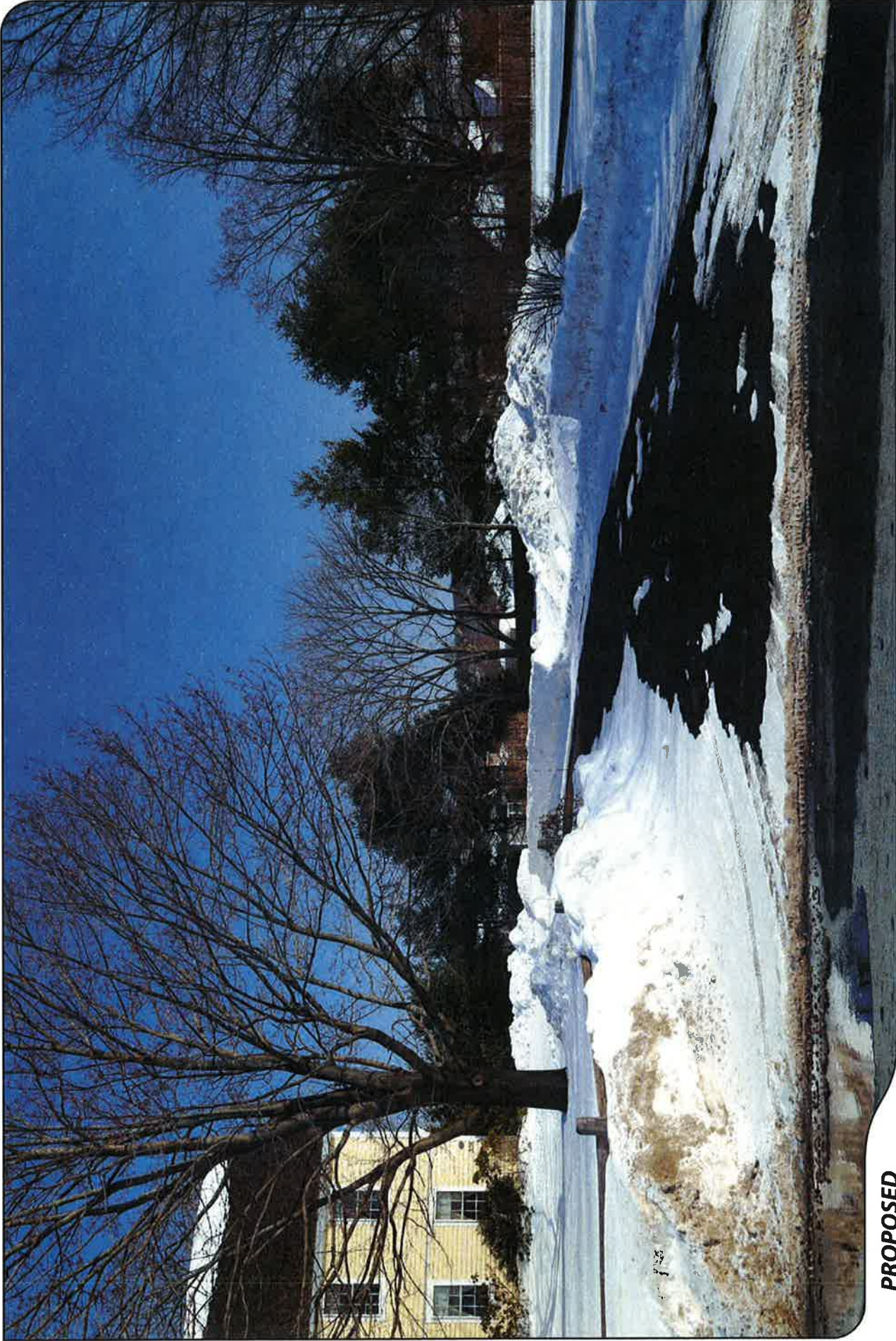
VISIBILITY

YEAR ROUND



EXISTING

| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|--|-------------|------------------|------------|
| 7A | 391 BELLEVIEW AVENUE (NR #88003096; 24MM FOCAL LENGTH) | SOUTHEAST | +/- 0.22 MILE | YEAR ROUND |



PROPOSED

PHOTO

7A

LOCATION

391 BELLEVIEW AVENUE (NR #88003096; 24MM FOCAL LENGTH)

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.22 MILE

VISIBILITY

YEAR ROUND





EXISTING

PHOTO

8

LOCATION

MERIDEN AVENUE AT BELLEVIEW AVENUE

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.24 MILE

VISIBILITY

SEASONAL



PROPOSED

PHOTO

8

LOCATION

MERIDEN AVENUE AT BELLEVIEW AVENUE

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.24 MILE

VISIBILITY

SEASONAL



EXISTING

PHOTO

9

LOCATION

391 BELLEVIEW AVENUE (NR #88003096)

ORIENTATION

SOUTHEAST

DISTANCE TO SITE

+/- 0.19 MILE

VISIBILITY

SEASONAL



PROPOSED

| | | | | |
|-------|-------------------------------------|-------------|------------------|------------|
| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
| 9 | 391 BELLEVIEW AVENUE (NR #88003096) | SOUTHEAST | +/- 0.19 MILE | SEASONAL |



EXISTING

PHOTO

10

LOCATION

391 BELLEVIEW AVENUE (NR #88003096)

ORIENTATION

NORTH

DISTANCE TO SITE

+/- 0.18 MILE

VISIBILITY

SEASONAL



EXISTING LATTICE TOWER

EXISTING

| PHOTO | LOCATION | ORIENTATION | DISTANCE TO SITE | VISIBILITY |
|-------|-------------------------------------|-------------|------------------|------------|
| 11 | 391 BELLEVIEW AVENUE (NR #88003096) | NORTH | +/- 0.18 MILE | YEAR ROUND |