



**APPLICATION FOR VARIANCES AND
AND SITE PLAN REVIEW FOR
WIRELESS COMMUNICATIONS FACILITY**

SUPPLEMENT NO. 1

Applicant: Varsity Wireless Investors, LLC
Site Id: VW2-NH-0032A
Property Address: Bumford Road, Barrington, NH 03825
Tax Assessors: Map 251, Lot 64
Property Owner: **Steven F. Lenzi** as Trustee of the Steven F. Lenzi Revocable Trust u/d/t
September 25, 2008 and **Pamela M. Lenzi** as Trustee of the Pamela M.
Lenzi Revocable Trust u/d/t September 25, 2008
Date: April 19, 2017

1. Powerpoint Presentation
2. Viewshed Analysis and Photo Simulations
3. Site Plans (revised)

Respectfully submitted,
Francis D. Parisi, Esq.
Varsity Wireless Investors, LLC
290 Congress Street, 7th Floor
Boston, MA 02210
(401) 447-8500 cell
(401) 831-8387 fax
fparisi@varsitywireless.com

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PRESENTATION FOR THE
TOWN OF BARRINGTON
APRIL 19, 2017

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FRANCIS D. PARISI, ESQ.
FPARISI@VARSITYWIRELESS.COM

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Meeting Purpose

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Request:

ZONING BOARD OF ADJUSTMENT

- Variances from Article 10 Wireless Communications 10.4 (3) and 10.4 (5) Dimensional Requirements to permit the construction of a 150' tall wireless communications facility that will be surrounded by a fence that will be located 60' from wetlands.

PLANNING BOARD

- Site Plan Approval (public hearing 5/4/17)
- Recommendation of Con Com (meetings 4/6/17, 4/20/17)

Applicant:

Varsity Wireless Investors, LLC

Property:

- Address:
- Property Owner:

Bumford Road, Barrington, NH 03825
Steven F. Lenzi as Trustee of the Steven F. Lenzi Revocable Trust u/d/t September 25, 2008 and Pamela M. Lenzi as Trustee of the Pamela M. Lenzi Revocable Trust u/d/t September 25, 2008
Map 251, Lot 64

- Tax Assessor:

Varsity Wireless Investors, LLC

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- Varsity Wireless Investors, LLC (Delaware) builds, owns and operates communications infrastructure needed to deliver consumer and public safety based communications services to the public.
- Varsity's infrastructure provides its customers and the communities they serve with creative, cost efficient solutions for the ever-growing demand for wireless ubiquity and bandwidth.
- All of our facilities are built with "colocation" in mind to minimize the aesthetic impact and negative perception of new cell sites deployed to enhance these important services.
- Varsity's founders, senior management and staff bring more than 75 years of wireless industry experience to the company, including leadership positions with wireless operators, tower companies, telecommunication infrastructure developers and the FCC.
- We have partnered with all the major carriers in this market to develop infrastructure solutions in the most challenging situations.

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Co-Locators

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- T-Mobile/MetroPCS
- AT&T
- Verizon Wireless
- Sprint
- Future carriers/technologies

Application Package (Submitted)

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1. Zoning Board of Adjustment Variance Application and Checklist
2. Planning Board Project Application for Site Plan Review and Checklist
3. Planning Board Site Plan Waiver Request Form
4. Filing Fees
5. Abutters List
6. Letter of Authorization
7. Balloon Test Public Notice
8. Project Narrative
9. TOWAIR (FAA Analysis re No Hazard to Air Navigation)
10. Affidavit of Site Acquisition Specialist
11. Affidavit of Radio Frequency Engineer and RF Coverage Maps
12. Photos of Existing Conditions
13. Site Plans

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Supplemental Filings



Supplement No. 1

1. Powerpoint Presentation
2. Viewshed Analysis and Photo Simulations
3. Site Plans (revised)

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Why another cell site?

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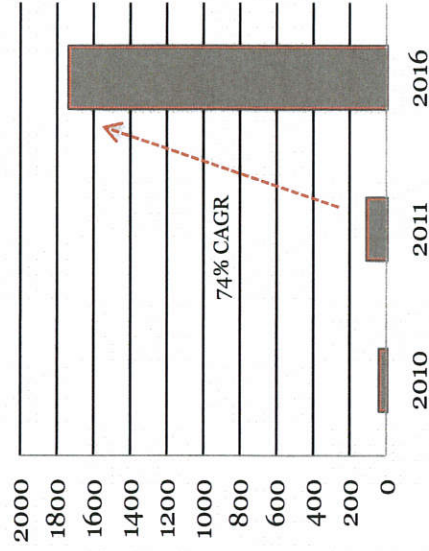
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Today's smartphones generates 50 times more mobile traffic than traditional cell phones. For tablets, it's 120 times more traffic. Julius Genachowski, past chairman of the FCC, WSJ 3/6/2013

- **Wireless data has eclipsed voice:**

- 72% of US mobile subscribers have smartphones. Nielsen
- Voice is still important
 - Nearly 40% of US homes are wireless only. CDC National Center for Health Statistics
 - More than 70% of 911 emergency calls are made from wireless phones.
- 4G/LTE was developed to support high speed wireless data services

Forecasted US Mobile Data Traffic
(Petabytes per month)



Supporting 4G/LTE requires more cell sites.

Why Barrington needs this site



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- Barrington has a verifiable “gap” in wireless coverage that limits its access to the evolving wireless services.
- Wireless is no longer just about texts and phone calls
 - Its about high speed, untethered data
 - Its about enhancements in vehicle safety
 - Its about keeping up with the changes in education
 - Its about improving public safety
 - Its about staying connected with family and friends
 - Its about the needs of the broader community.
 - E 911

Barrington's Wireless Gap

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- A number of factors impede the quality of wireless services in Barrington

- Existing wireless infrastructure
- Topography and terrain
- Densely forested area
- Land use
- Zoning restrictions
- Wetlands
- Lack of existing tall structures

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- These impediments combine to form the coverage gap in Barrington

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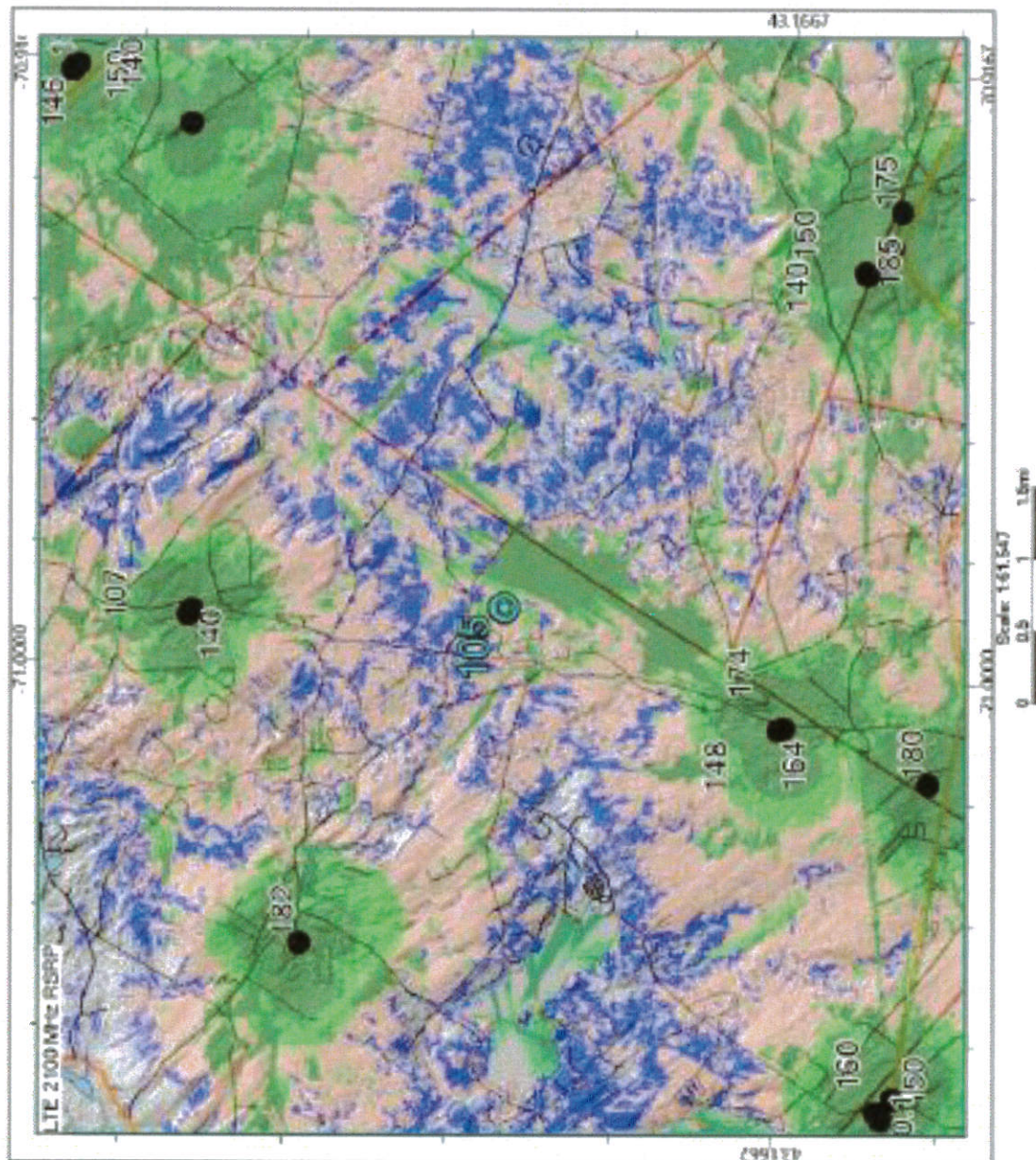
Verification of Gap

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- Varsity uses state of the art and industry accepted RF tools and analysis to confirm the gap in coverage.
 - Varsity's RF propagation maps using all existing sites
 - Carrier specific RF propagation maps using existing network
 - Drive Test Data
- Varsity's analysis leaves little doubt as to the coverage gap in the area of Barrington.

RF Analysis: 2100 MHz

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WHERE?

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- Reviewed zoning bylaw
- Looked for existing tall structures in area: **NONE!**
- Identified all potentially suitable properties in the area to create a pool of site candidates
 - Commercial or industrial properties
 - Undeveloped land and other large parcels
 - Eliminated locations with known problems: i.e. wetlands
- Contacted site candidate owners via mail or site visit
- Met with candidates expressing interest
- Evaluated interested candidates for RF suitability

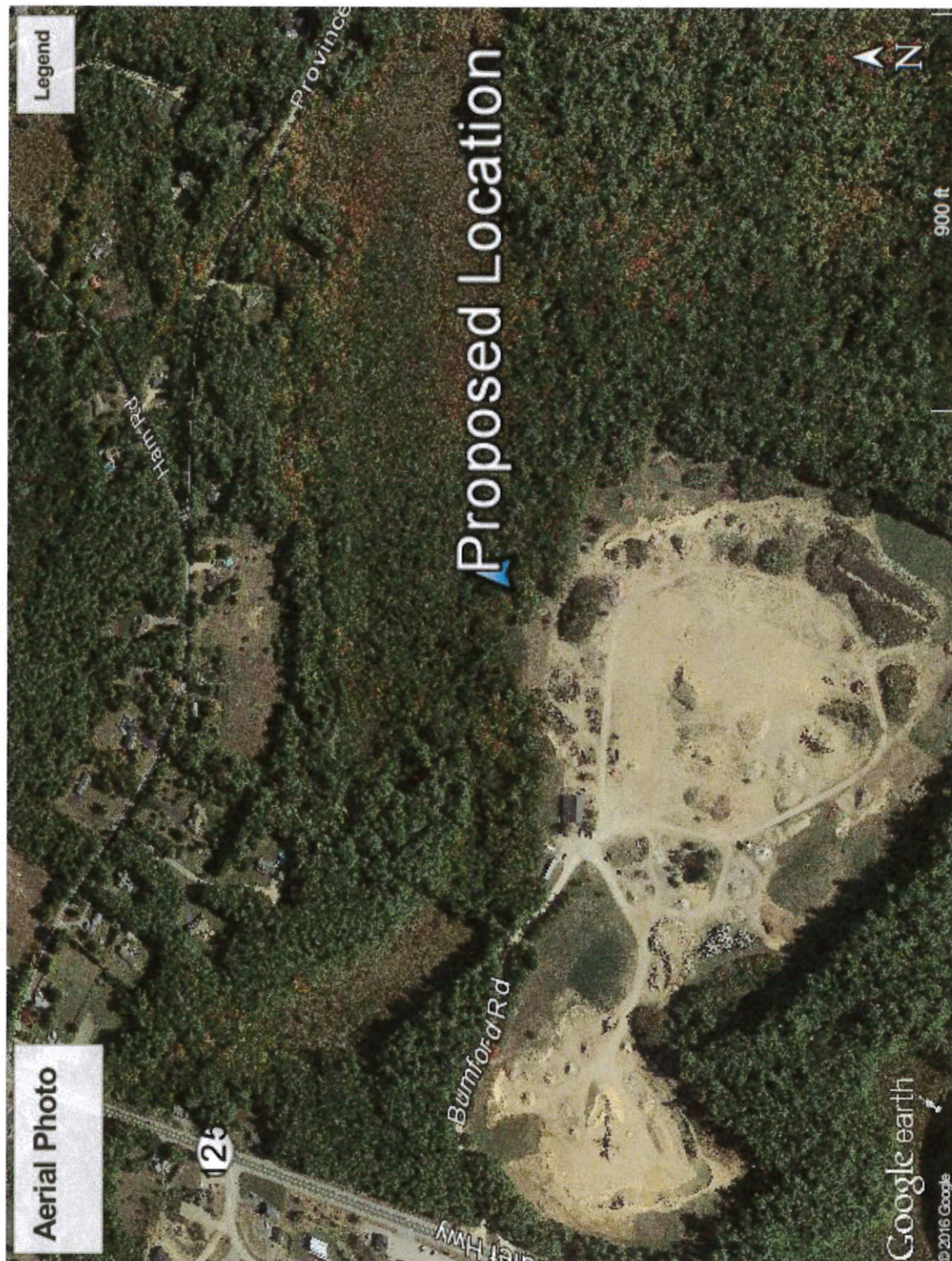
Only Viable Alternative: Bumford Road

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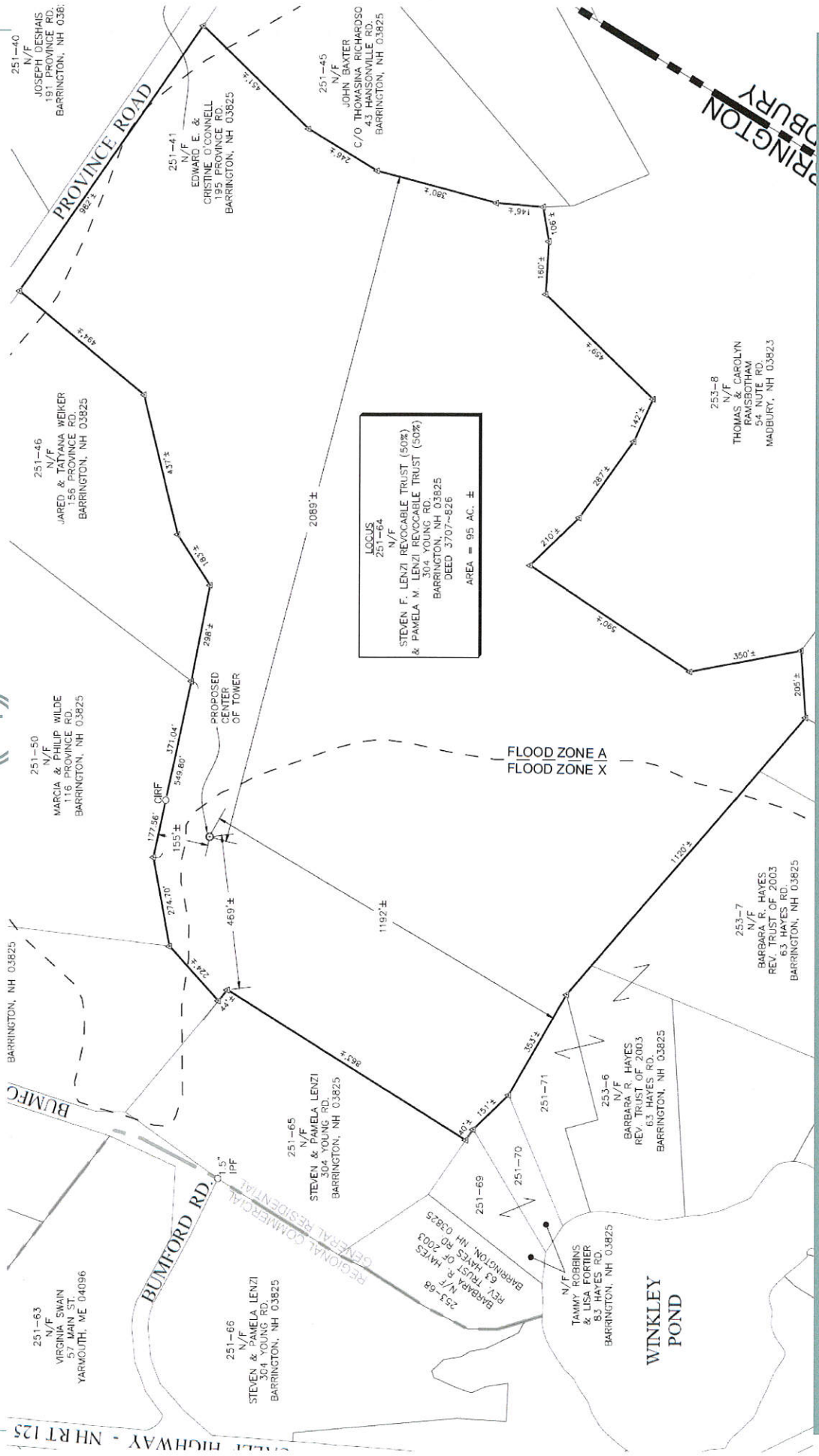
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Bumford Road

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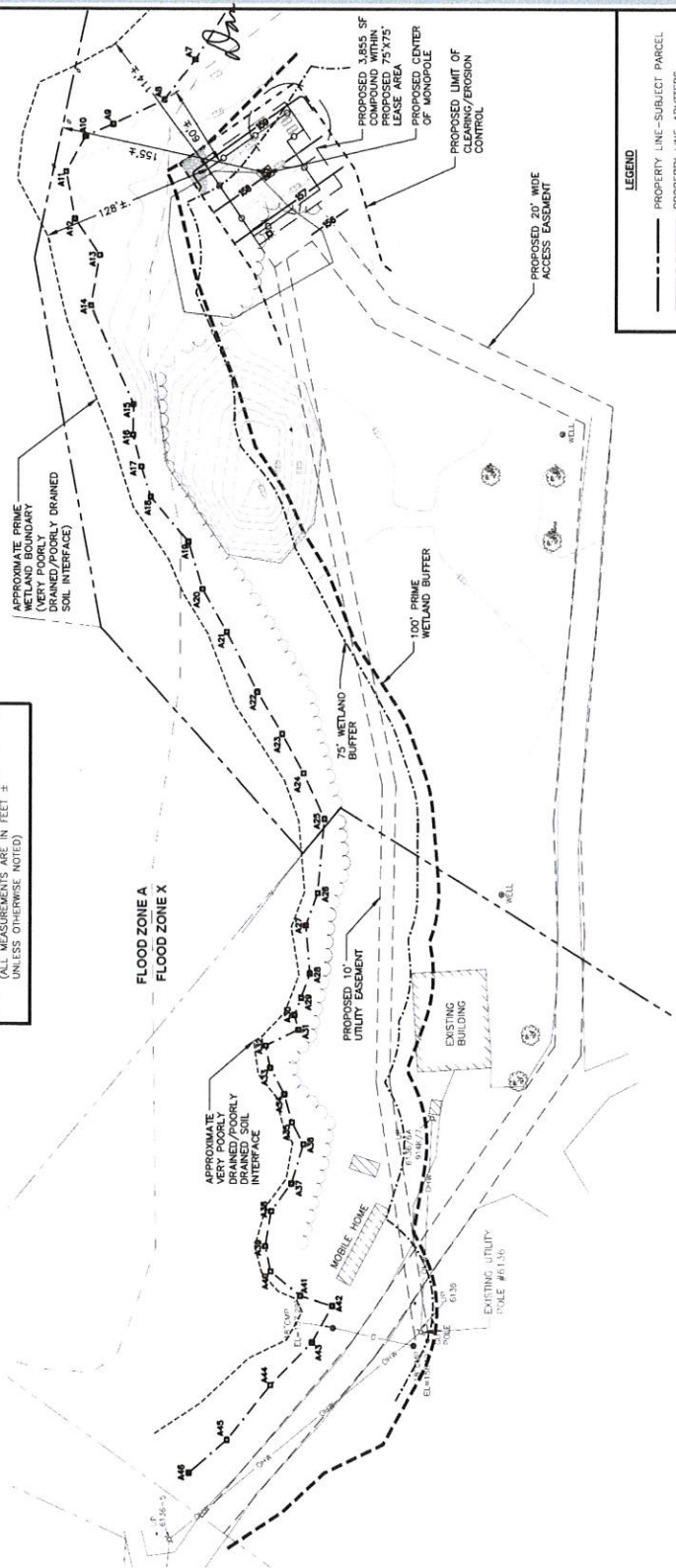
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ZONING INFORMATION

JURISDICTION:	GENERAL DISTRICT	GENERAL RESIDENTIAL & STRATIFIED
PROPOSED REQUIREMENTS FOR COMMUNICATION TOWERS AND ACCESSORY FACILITIES IN RESIDENTIAL DISTRICT	REQUIRED TOWER SETBACK TO PROPERTY LINE (50% TOWER HEIGHT) EQUIPMENT SETBACK TO PRIME, MIDLAND BOUNDARY	155' 60' 114' & 128' (ALL MEASUREMENTS ARE IN FEET ± UNLESS OTHERWISE NOTED)

FOR REGISTRY USE ONLY

AUDRA L. KLUMB, NH-CERTIFIED WETLAND SCIENTIST #2222
OF A&D KLUMB ENVIRONMENTAL, LLC, WEBSTER, NH,
PERFORMED THE WETLAND MAPPING FOR THIS SITE ON
OCTOBER 7, 2016 ACCORDING TO THE TECHNICAL
CRITERIA OF THE U.S. ARMY CORPS OF ENGINEERS
REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS
WETLAND DELINEATION MANUAL: NORTHEASTRAL AND
NORTHEAST REGION, VERSION 2.0 (JANUARY 2012) AND
NH STATUTE RSA482-A 2, X.



LEGEND

-  PROPERTY LINE—SUBJECT PARCEL
 PROPERTY LINE—ADJUTERS
 PROPOSED EASEMENT
 EXISTING SOILS BOUNDARY
 EXISTING BUILDING
 PARCEL ID #
 STONE WALL
 TREE LINE
 CONTOUR LINE
 UNDERGROUND DRAIN LINE

DATE	
APPROVED BY THE BARRINGTON PLANNING BOARD	

CHAIQIMAN

DATE _____

GRAPHIC SCALE



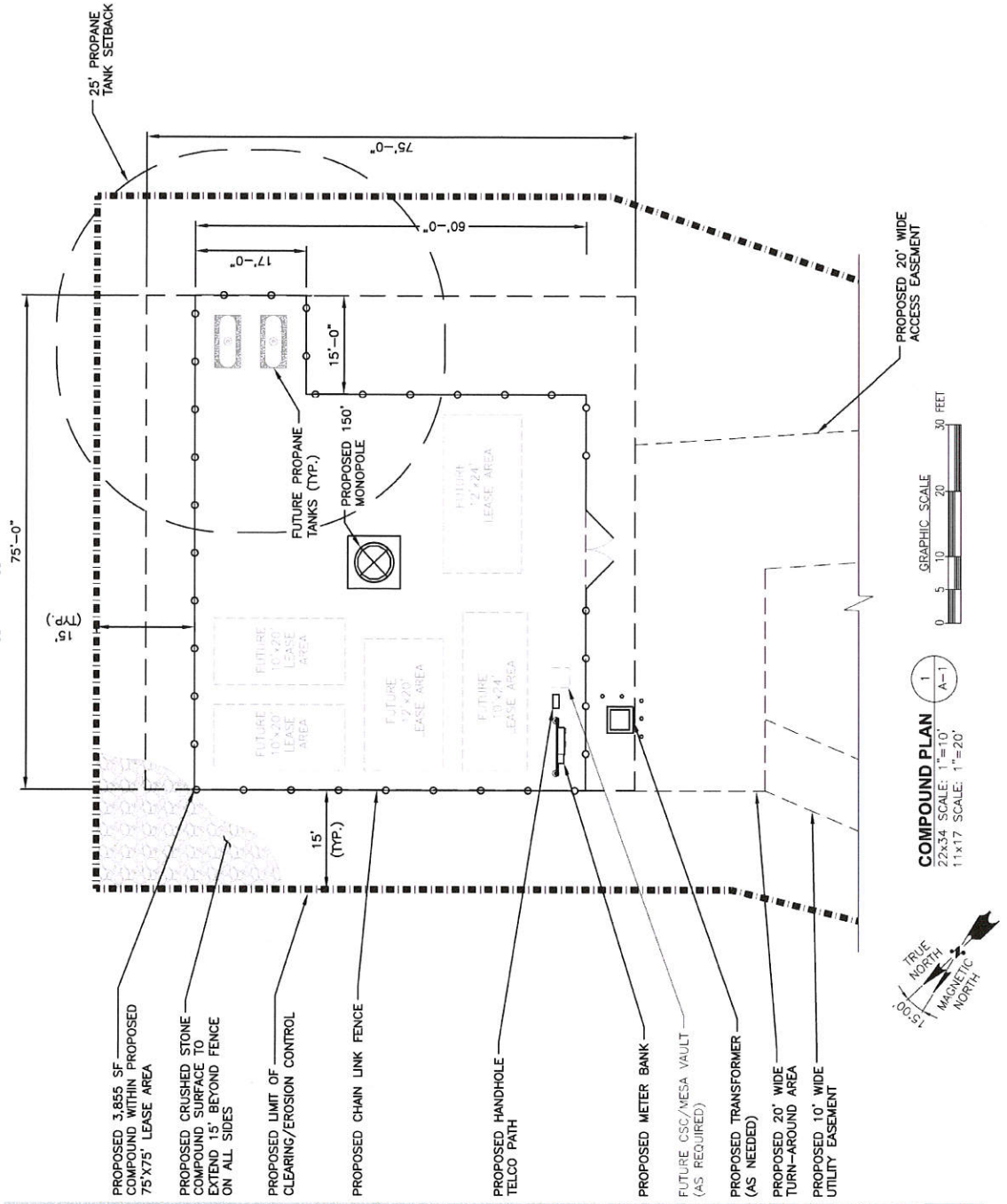
A horizontal scale bar with markings at 0, 20, 40, 80, and 120 feet. The bar is divided into segments: 0-20 is white, 20-40 is black, 40-80 is white, and 80-120 is black.

SITE PLAN



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WHAT TO BUILD?

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ISSUES:

- Technical needs of carriers
 - Capacity to handle increasing volume of traffic
- Structural needs of carriers
 - Newer technologies requires more structural integrity: RRUs and “smart antennas”
- Adaptability to future technology advancements
 - 2G, 3G, 4G and beyond
- Co-location opportunities for multiple carriers
- Aesthetics and community concerns

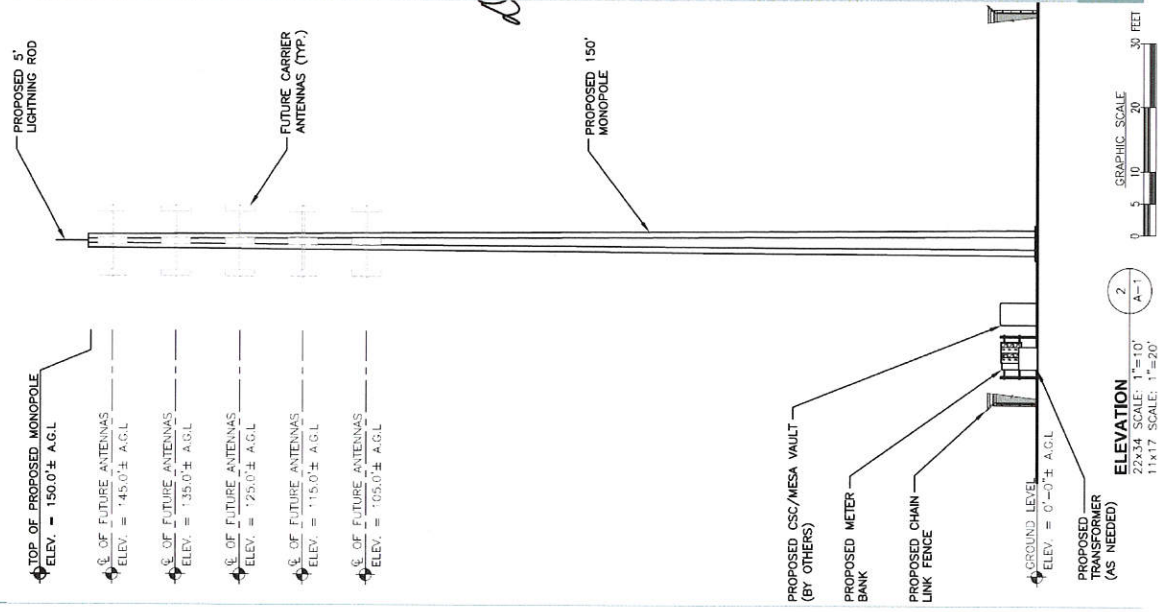
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Proposed Design

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Tower

Type: Monopole

Height: 150'

- Designed to support 4+ wireless operators
- T-Mobile, ATT, Sprint, VZW
- future carriers/technologies
- 2G, 3G, 4G and beyond
- Accommodating 4+ carriers requires a minimum base height to clear trees and topography to achieve coverage objective

Construction & Design Standards:

Telecommunications Industry Association (TIA)

TIA 222-Rev. G – Design

TIA 1019 – Install and maintenance

American Society of Safety Engineers (ASSE)

American National Standards Institute

Design Criteria

Will satisfy wind and ice standards for Strafford County

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Minimum Height Necessary

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AFFIDAVIT OF RF ENGINEER

I, Marlon DePaz hereby state the following in support of the application for Varsity Wireless, LLC ("Varsity") of proposed monopole located Bunford Road, Tax Assessor 251-64, Barrington, NH (the "Site") and the attachment of antennas, cabling and other telecommunications equipment on and at the base of the monopole by various wireless broadband telecommunications carriers as proposed in the attached application (the "Facility").

In order to satisfy its obligations under its radio licenses acquired from the FCC and under the Code of Federal Regulations 47 C.F.R. § 27.14(a), wireless broadband telecommunications carriers must have in place a system of strategically deployed "cell sites" to provide wireless communications services to their subscribers' throughout their licensed area. These cell sites generally consist of an antenna support structure such as a

In compliance with the requirements of its FCC licenses, carriers are actively building their respective networks to provide coverage throughout its licensed area. In order to meet the responsibility of providing seamless, uninterrupted service, carriers must continue to acquire interest in sites for additional facilities, and is applying for and obtaining local governmental zoning approvals to construct its sites in order to eliminate deficient service areas due to gaps in coverage or insufficient capacity. Any delays severely curtail carriers' ability to satisfy both mandated time requirements, and to achieve a market position that will allow it to compete for customers with other similar companies also issued licenses to operate in this area.

In my opinion based upon substantial research and analysis, without a cell site located at or very near the proposed site, this area of Barrington would not meet the typical coverage requirements for multiple wireless carriers, resulting in a substantial gap in wireless coverage.

Based upon the technologies currently being deployed by wireless carriers, it is my opinion that the proposed Facility is at the minimum height necessary to satisfy the coverage objectives of multiple wireless carriers providing in the area.

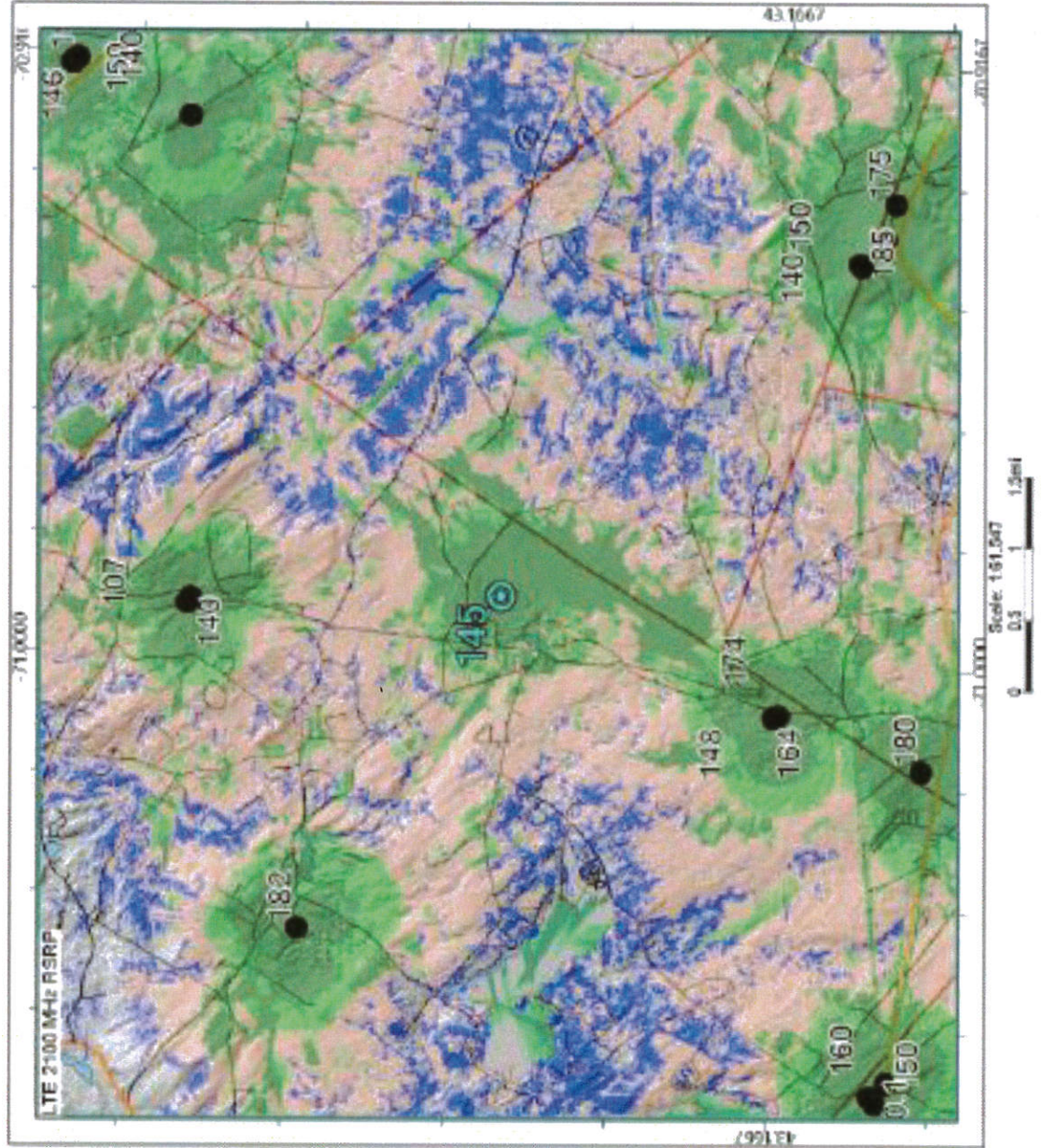
RF Analysis: Proposed Coverage

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Viewshed Analysis and Photo Simulations

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COMPLIANCE WITH PERFORMANCE STANDARDS



Wireless Communication Facilities shall be permitted in all Districts, and shall be subject to Subsection 7.1 (Performance Standards) of this Ordinance as well as the standards listed below.

The use poses no unreasonable risk of harm to the health, safety or welfare of abutters or the public; and

The use will not diminish the value of neighboring properties; and

By its nature and design or by the use of visual buffers (vegetative or topographical), the use will not substantially alter the character of the area where applicable, or its utility for residential uses; and

The use will be consistent with the spirit and intent of this Ordinance

The Facility will be located in the General Residential Zoning District, and has been designed to meet all of the Subsection 7.1 (Performance Standards) as well as the standards of the Wireless Ordinance as much as technically possible. The Facility will not have any adverse effect on the value of land and buildings in the neighborhood or on the amenities thereof. The proposed use is passive, requires no employees on the premises, and has no characteristics that are incompatible with the underlying zoning. Specifically, it will generate only about two vehicle trips per month by a service technician for routine maintenance, will be served by standard electrical and telephone service, and requires no water, septic or other town services. The Facility will meet all of the Subsection 7.1 Performance Standards because it will not generate any vibration, odor, smoke, dust, glare, heat, discharge of noxious substances or traffic. Numerous studies and market analysis have shown that an existing or proposed communications tower has no measurable impact on nearby property values. There are already other towers located in the Barrington and surrounding communities. Although many of these towers have been in existence for several years, Barrington does not appear to have granted lower assessments or abatement requests due to the proximity to or visibility of a communications tower. Once constructed, the Facility has been designed to and will comply with all applicable local, state and federal safety regulations.

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COMPLIANCE WITH VARIANCE CRITERIA



The Zoning Board of Adjustment shall, when considering a request for a variance, make findings of fact that consider the following factors.

1) Special conditions exist such that literal enforcement of the Ordinance will result in unnecessary hardship to the applicant as defined under applicable law.

(A) For purposes of this subparagraph, "unnecessary hardship" means that, owing to special conditions of the property that distinguish it from other properties in the area: (i) No fair and substantial relationship exists between the general public purposes of the ordinance provision and the specific application of that provision to the property; and (ii) The proposed use is a reasonable one.

(B) If the criteria in subparagraph (A) are not established, an unnecessary hardship will be deemed to exist if, and only if, owing to special conditions of the property that distinguish it from other properties in the area, the property cannot be reasonably used in strict conformance with the ordinance, and a variance is therefore necessary to enable a reasonable use of it. The definition of "unnecessary hardship" set forth in subparagraph (1) shall apply whether the provision of the ordinance from which a variance is sought is a restriction on use, a dimensional or other limitation on a permitted use, or any other requirement of the ordinance

- Literal enforcement of the provisions of the Ordinance would result in an unnecessary hardship.

Given technical limitations with respect to:

- the location other existing telecommunication sites;
- the topography of the surrounding area;
- the lack of viable alternatives in the area;
- the height and setback restrictions;
- the requirement to accommodate multiple wireless companies and rapidly evolving technologies;
- the demand for reliable telecommunications coverage

- The proposed Facility will reduce the number of new structures ultimately needed to provide wireless communication services in the surrounding area by providing co-location potential;

- The proposed location is reasonably adaptable to the proposed Facility;

- The proposed Facility is designed to be at the minimum height necessary to provide adequate coverage to the area and keep potential visual impacts to a minimum;

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The Telecommunications Act of 1996

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In 1996, the U.S. Congress enacted the Telecommunications Act of 1996, Pub. L. No. 104-104, § 704; 110 Stat. 56 (1996) (the "TCA" or the "Telecommunications Act").

- The intent of the TCA as enacted by Congress was to institute a framework to promote competition and innovation within the telecommunications industry.
- Law specifically preserves local zoning authority with respect to the siting of wireless service facilities, but it clarifies when the exercise of local zoning authority may be preempted by federal law.
- SECTION 704 (7) PRESERVATION OF LOCAL ZONING AUTHORITY-
 - (A) GENERAL AUTHORITY- Except as provided in this paragraph, nothing in this Act shall limit or affect the authority of a State or local government or instrumentality thereof over decisions regarding the placement, construction, and modification of personal wireless service facilities.
 - (B) LIMITATIONS- (i) The regulation of the placement, construction, and modification of personal wireless service facilities by any State or local government or instrumentality thereof--
 - (I) shall not unreasonably discriminate among providers of functionally equivalent services; and
 - (II) shall not prohibit or have the effect of prohibiting the provision of personal wireless services.

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Summary

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Varsity Wireless respectfully requests the Zoning Board of Adjustment GRANT THE VARIANCES

- The proposed Facility meets all of the siting requirements for a communications facility under the Barrington Zoning Ordinance (other than those for which variances have been requested)
- The proposed Facility meets all of the requirements for a Special Exception under the Barrington Zoning Ordinance
- The proposed Facility meets all of the requirements for a Variance under the Barrington Zoning Ordinance
- Pursuant to §704(a) of the Federal Telecommunications Act of 1996 which provides, among other things, that wireless facilities may not be prohibited in any particular area and that any denial of zoning relief must be based upon substantial evidence

Accordingly, Varsity Wireless respectfully requests that the Zoning Board of Adjustment GRANT THE REQUESTED VARIANCES as proposed, and grant such other relief deemed necessary by the Town of Barrington, so that Varsity Wireless may construct and operate the Wireless Communications Facility as proposed.

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Prepared For:
Varsity Wireless
Site Name:
Barrington 1 ~ VW2-NH-0032A
Site Address:
Bumford Road
Barrington, NH 03825

Prepared By:
Caron & Associates Design
Benjamin E. Caron
301 Concord Street
Haverhill, MA 01830
(978) 360-3671
ben@cadsim.com

General Information:
Balloon Test for these renderings was completed Saturday 4/15/2017
Bottom of Red 7' diameter balloon = 150' AGL
Top of proposed monopole shown = 150' AGL per revised drawings
Photographs were taken only when the inclination was reported
as near vertical by an associate on site throughout the test.
Weather conditions were clear skies and calm winds until 10:30AM.
Wind increased heavily from 10:30 until the balloon was removed after Noon.

For visual reference only. Actual visibility is
dependent upon weather conditions, season,
sunlight, and viewer location.
Based upon Rev. 1 Drawings by
Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Photographic Renderings

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CAD Caron & Associates Design
(978) 360-3671 info@cadsim.com

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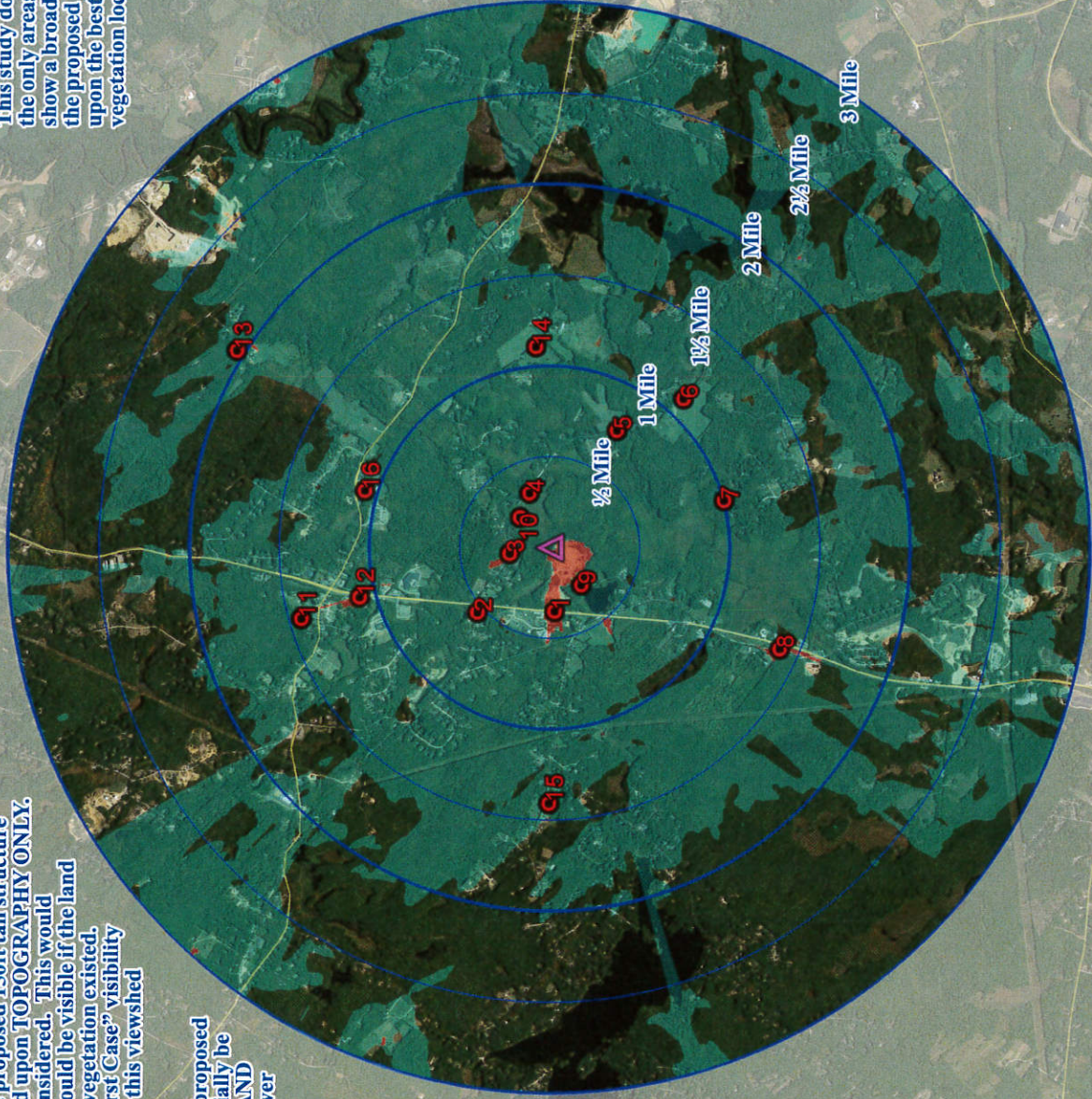
Cyan shaded areas define where proposed 150ft tall structure could potentially be visible based upon TOPOGRAPHY ONLY. No tree cover or vegetation is considered. This would represent where the structure would be visible if the land were completely barren and no vegetation existed. This could be considered a "Worst Case" visibility study as vegetation does exist in this viewshed area.

Red shaded areas define where proposed 150ft tall structure could potentially be visible based upon topography AND an assumed 55ft average tree cover in areas of forestation. Areas of forestation were acquired from the MRLC Gov site's database of the U.S. Forest Service data (NLCD 2011 Tree Canopy).

Viewer height used for this study = 6ft.

This study may not account for all road clearings and/or buildings, therefore for best results the examiner should review both the Red and Cyan analysis and interpolate areas of probable visibility.

This study does not claim in any way to show the only areas of visibility. It is meant only to show a broad representation of areas where the proposed installation may be visible based upon the best information for topography and vegetation locations available to date.



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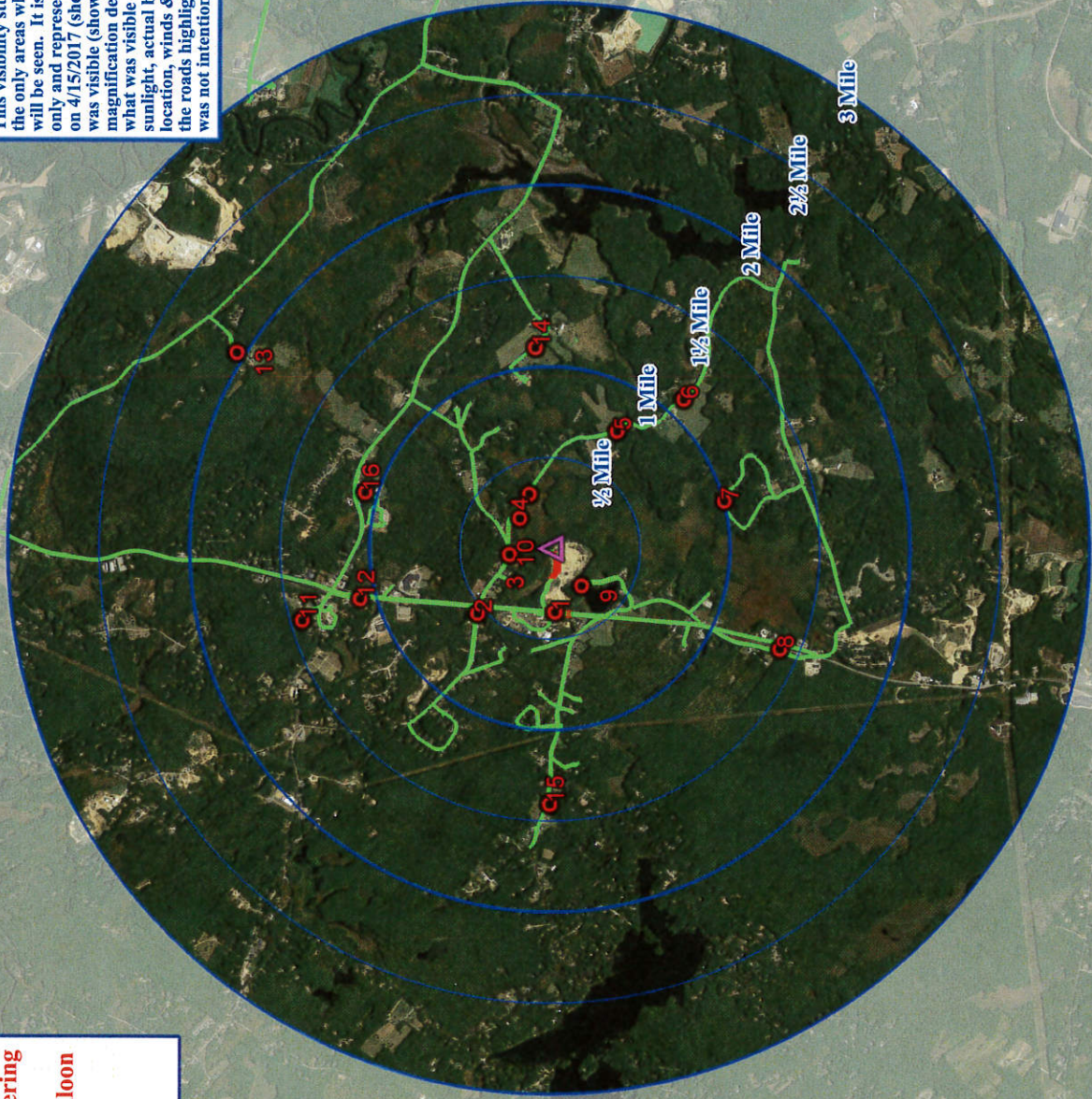
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Based upon Rev. 1 Drawings by Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Predictive Viewshed Mapping based upon terrain with and without tree cover ~ 3 Mile Radius

Created By: Ben Caron & Mike Barreiros
CAD Caron & Associates Design
(978) 360-3671 info@cadsim.com

- Photographic Rendering Location
- Locations where balloon was visible
- Roads Investigated on 4/15/2017

This visibility study claims in no way to show the only areas where the proposed installation will be seen. It is meant for a visual reference only and represents where our survey crew drove on 4/15/2017 (shown in green) and where the balloon was visible (shown in red) without the aid of a magnification device. Several factors play a role in what was visible during the drive test, such as foliage, sunlight, actual balloon location versus proposed tower location, winds & weather. It should be noted that only the roads highlighted were checked (private property was not intentionally investigated unless requested).



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Barrington 1 ~ (4/17/2017)

Driven/Verified Visibility Map
3 Mile Radius

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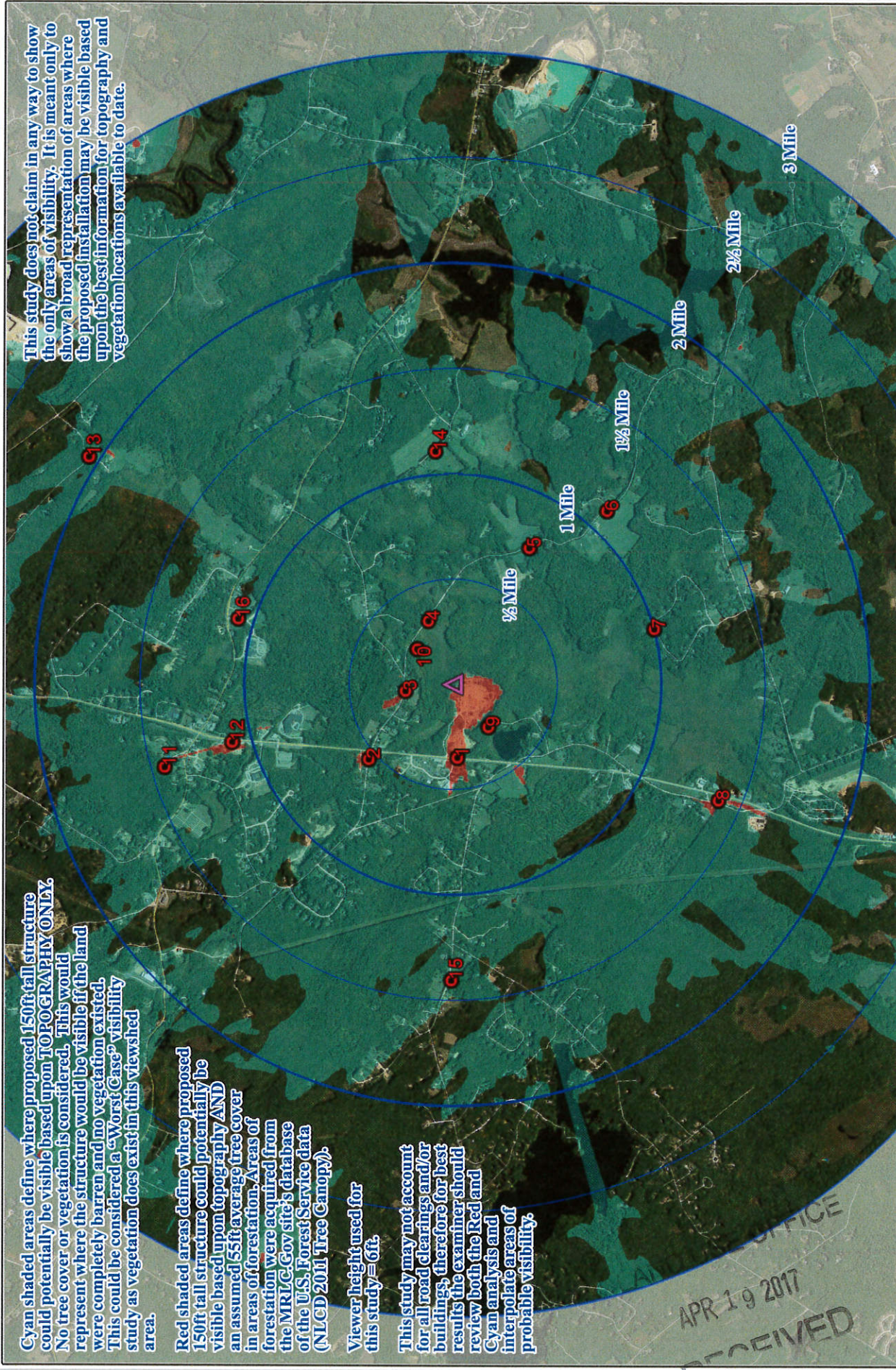
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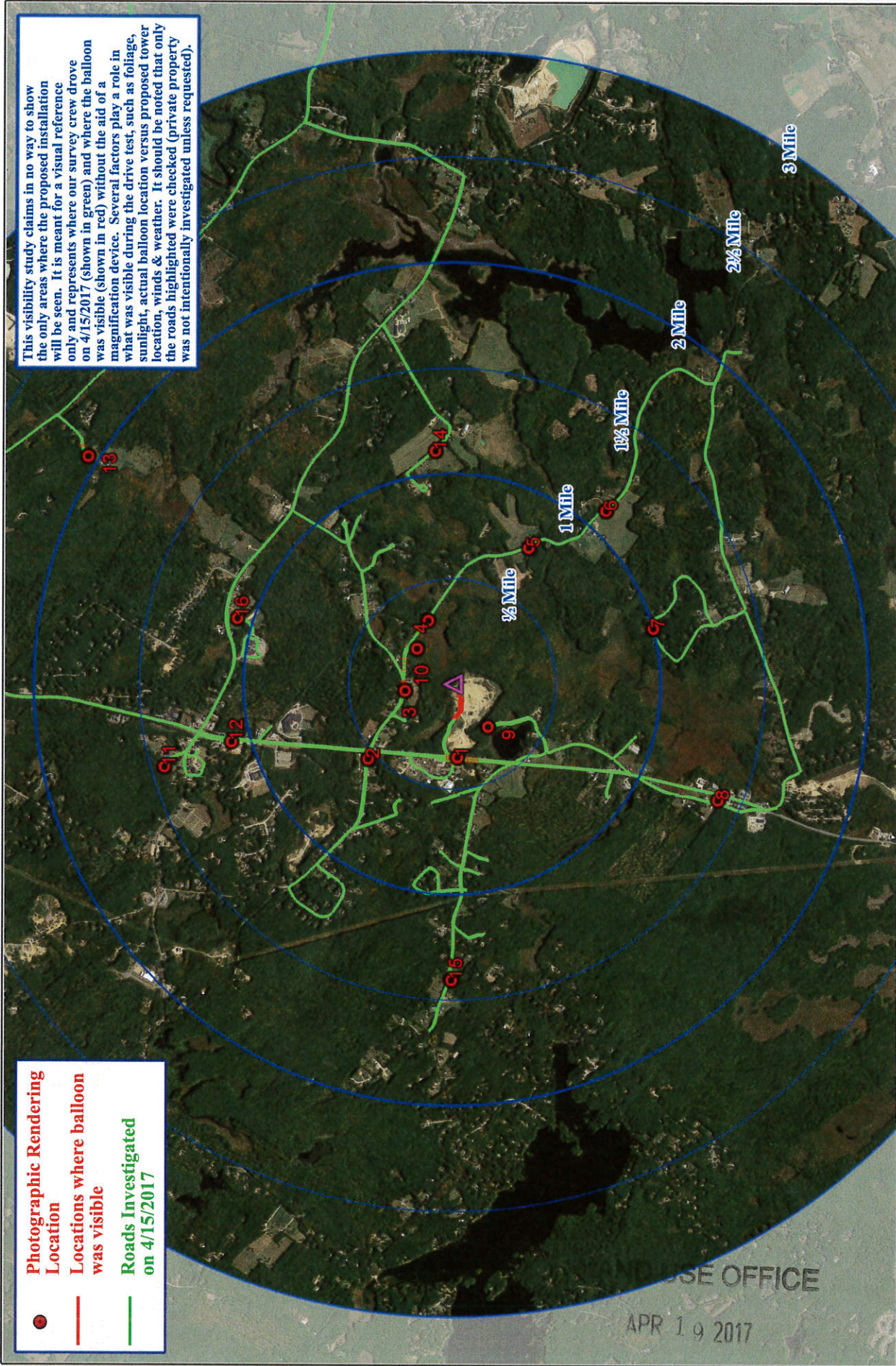
Barrington 1 ~ (4/17/2017)
Predictive Viewshed Mapping based upon terrain with and without tree cover ~ 2 Mile Radius

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CAD Caron & Associates Design
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- Roads Investigated on 4/15/2017

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Barrington 1 ~ (4/17/2017)

Driven/Verified Visibility Map
2 Mile Radius

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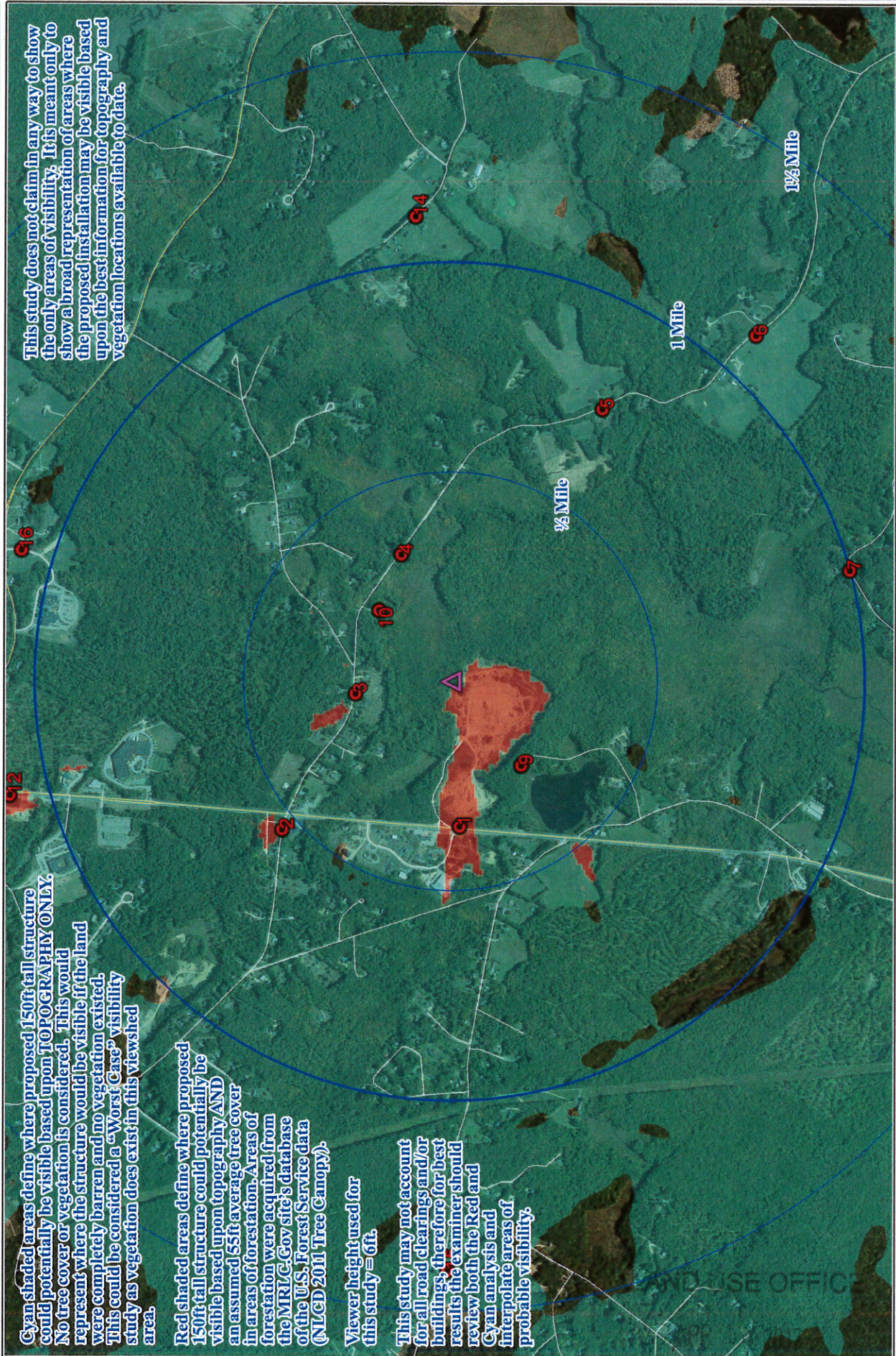
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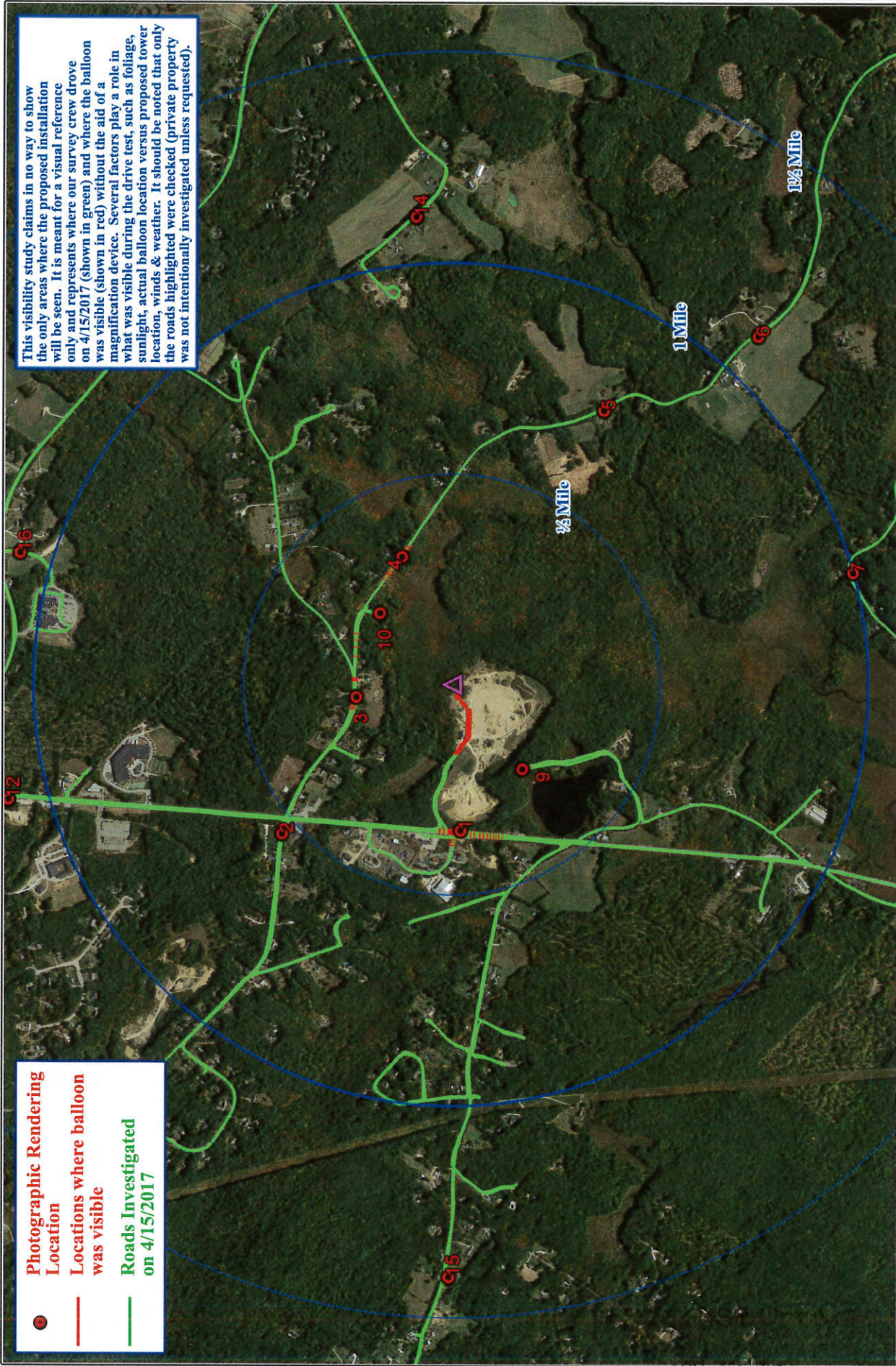
Barrington 1 ~ (4/17/2017)
Predictive Viewshed Mapping based upon terrain with and without tree cover ~ 1 Mile Radius

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Barrington 1 ~ (4/17/2017)
Photo Location 1 ~ 65mm ~ 1824' +/- (0.35mi) Away
From Route 125 near Bumford Road

Created By: Ben Caron & Mike Barreiros
CAD Caron & Associates Design
(978) 360-3671 info@cadsim.com

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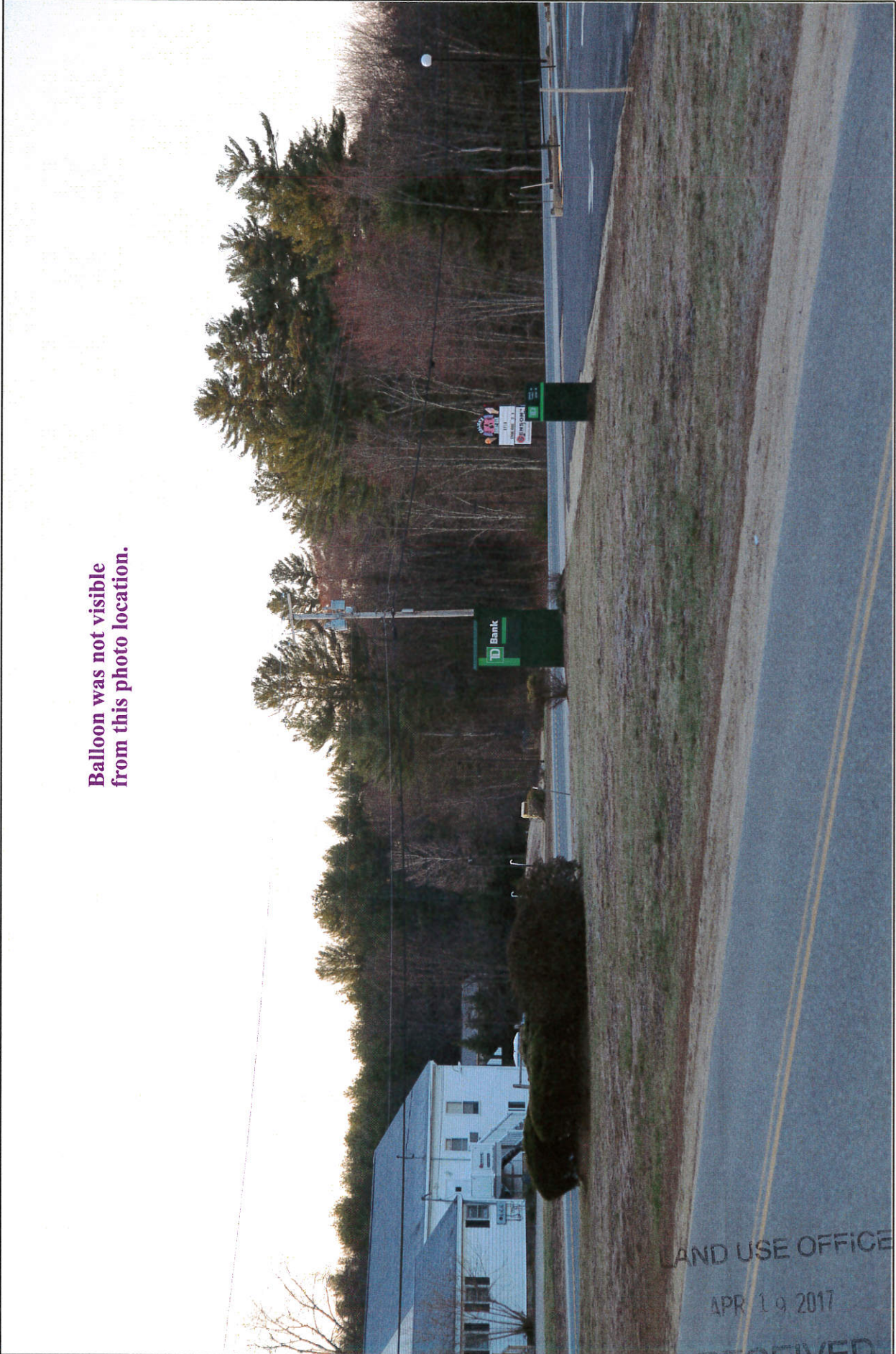
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Balloon was not visible
from this photo location.



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Hudson Design dated: 3/03/2017*

Barrington 1 ~ (4/17/2017)
Photo Location 2 ~ 65mm ~ 2852' +/- (0.54mi) Away
Near TD Bank on Mallego Road

Created By: Ben Caron & Mike Barreiros
CAD Caron & Associates Design
(978) 360-3671 info@cadsim.com



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Barrington 1 ~ (4/17/2017)
Photo Location 3 ~ 50mm ~ 1236' +/- (0.23mi) Away
Across from 73 Province Road

Created By: Ben Caron & Mike Barreiros
CAD Caron & Associates Design
(978) 360-3671 info@cadsim.com

Proposed installation is almost completely obscured by intervening terrain and vegetation from this photo location.

Proposed installation outlined to show relative size and position.



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Barrington 1 ~ (4/17/2017)
Photo Location 4 ~ 50mm ~ 1737' +/- (0.33mi) Away
Near 156 Province Road

Created By: Ben Caron & Mike Barreiros
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Proposed Conditions



Proposed installation is heavily obscured by intervening terrain and vegetation from this photo location.

Proposed installation outlined to show relative size and position.

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Based upon Rev. 1 Drawn by
Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Photo Location 4 ~ 50mm ~ 1737' +/- (0.33mi) Away
Near 156 Province Road

Created By: Ben Caron & Mike Barreiros
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Proposed Conditions



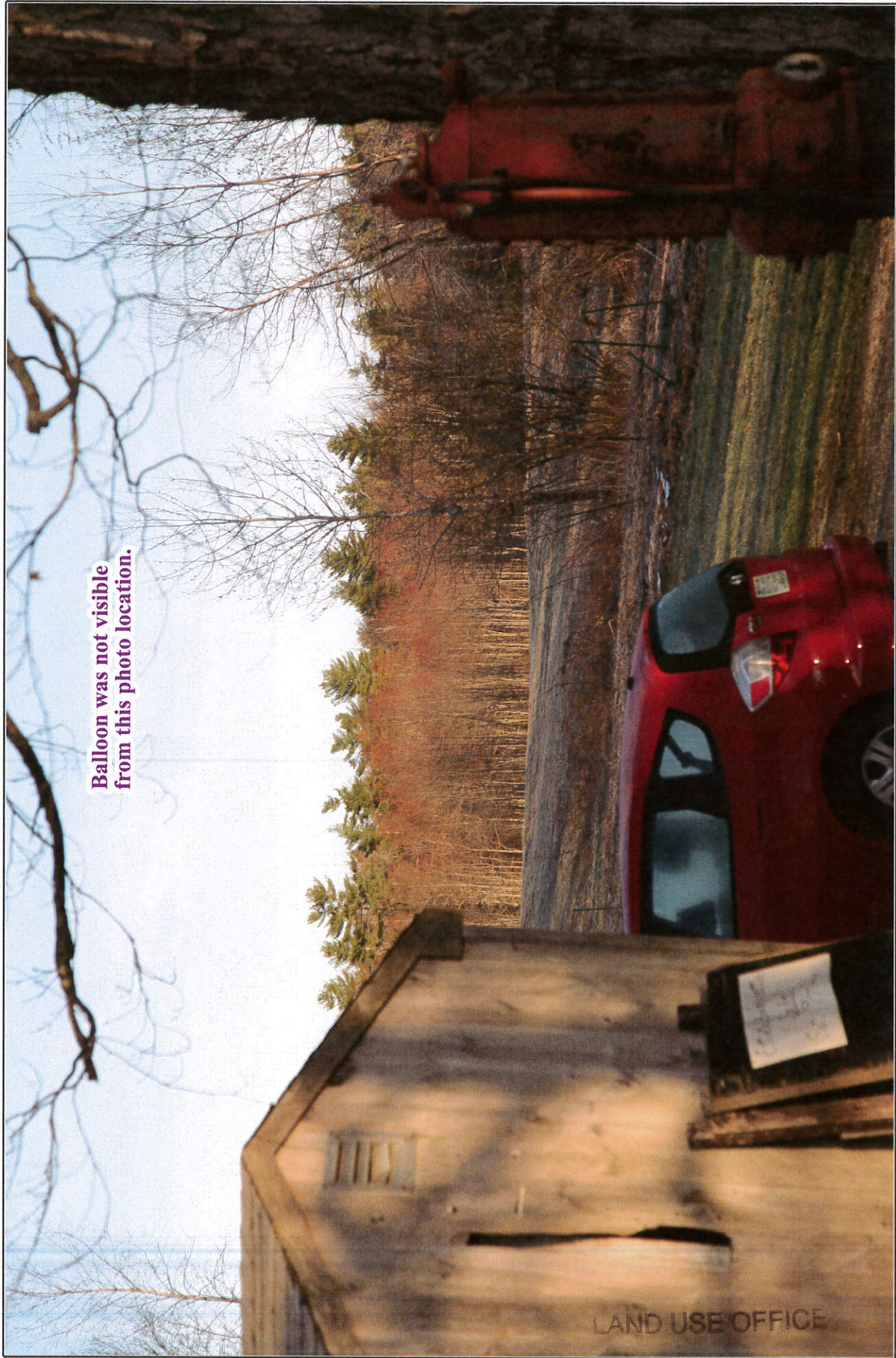
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Based upon Rev. 1 Drawn by
Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Photo Location 4 ~ 50mm ~ 1737' +/- (0.33mi) Away
Near 156 Province Road

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Existing/Proposed Conditions



Balloon was not visible
from this photo location.

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sunlight, and viewer location.
Based upon Rev. 1 Drawn by
Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Photo Location 5 ~ 85mm ~ 3941' +/- (0.75mi) Away
Near 54 Nute Road

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Barrington 1 ~ (4/17/2017)
Photo Location 6 ~ 5842' +/- (1.11mi) Away
Near 37 Nute Road

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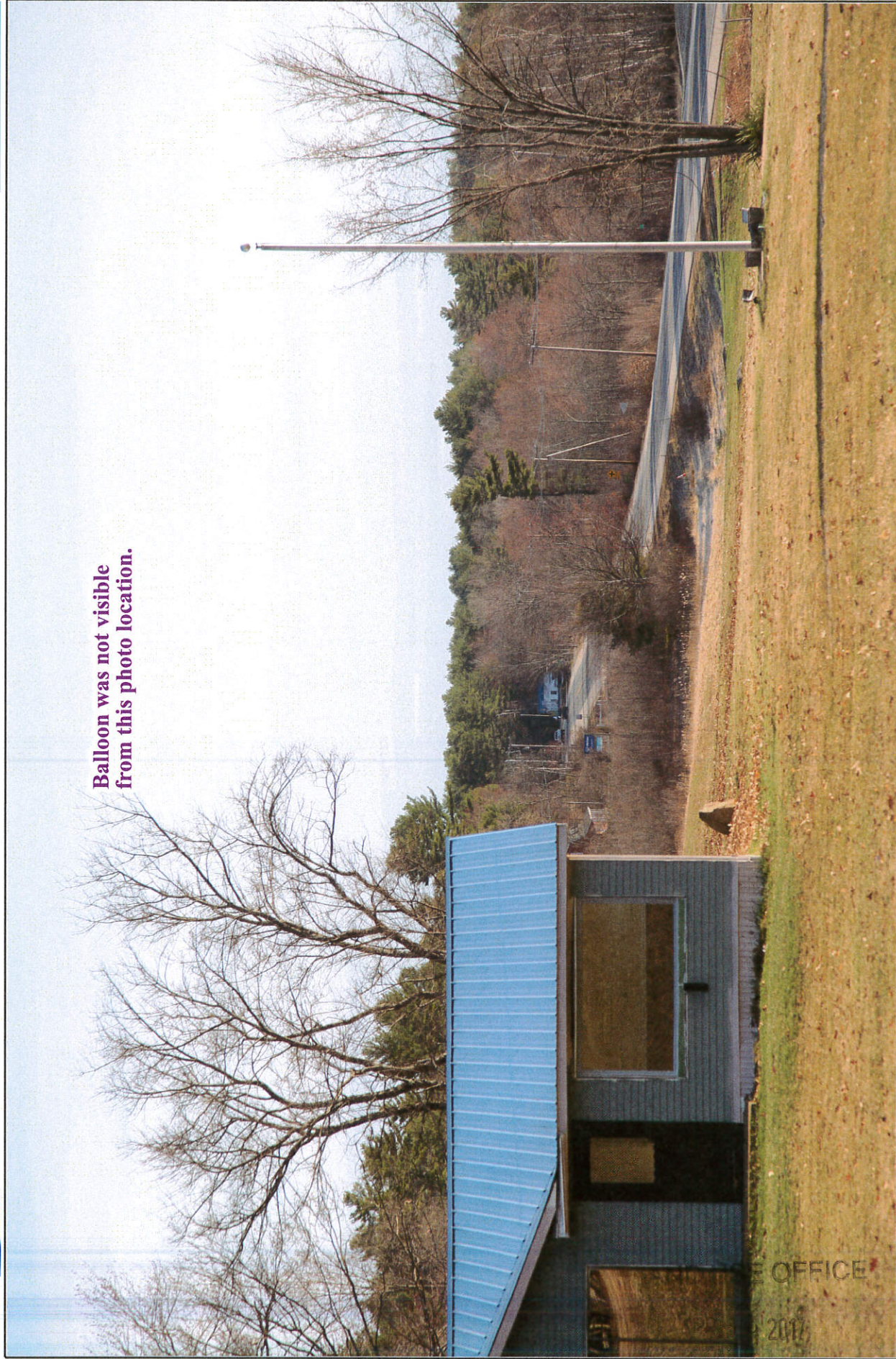


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Based upon Rev. 1 Drawn by Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Photo Location 7 ~ 5264' +/- (1.00mi) Away
Near 31 Moharimet Drive

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Balloon was not visible
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Barrington 1 ~ (4/17/2017)
Photo Location ~ 7299' +/- (1.38mi) Away
From Cemetary on Pierce Road

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Barrington 1 ~ (4/17/2017)
Photo Location 9 ~ 50mm ~ 1370' +/- (0.26mi) Away
From 83 Hayes Road

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Barrington 1 ~ (4/17/2017)
Photo Location 10 ~ 50mm ~ 1297' +/- (0.25mi) Away
From 116 Province Road

Created By: Ben Caron & Mike Barreiros
CAD Caron & Associates Design
(978) 360-3671 info@cadsim.com

RECEIVED



Proposed installation is almost completely obscured by intervening terrain and vegetation from this photo location.

Proposed installation outlined to show relative size and position.

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Based upon Rev. 1 Drawn by Hudson Design dated: 3/03/2017

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Photo Location 10 ~ 50mm ~ 1297' +/- (0.25mi) Away
From 116 Province Road

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Barrington 1 ~ (4/17/2017)
Photo Location 11 ~ 105mm ~ 7599' +/- (1.44mi) Away
From The Christmas Dove parking lot

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(978) 360-3671 info@cadsim.com

Existing/Proposed Conditions



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Barrington 1 ~ (4/17/2017)
Photo Location 12 ~ 5794' +/- (1.10mi) Away
Near Phil's Breakfast House on Route 125

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Based upon Rev. 1 Drawn by Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Photo Location 13 ~ 105mm ~ 10,856' +/- (2.06mi) Away
Near 55 Orchard Hill Road (a.k.a. Atwood Road)

Created By: Ben Caron & Mike Barreiros
CAD Caron & Associates Design
(978) 360-3671 info@cadsim.com



Proposed Conditions



Proposed installation is almost completely obscured by intervening terrain and vegetation from this photo location.

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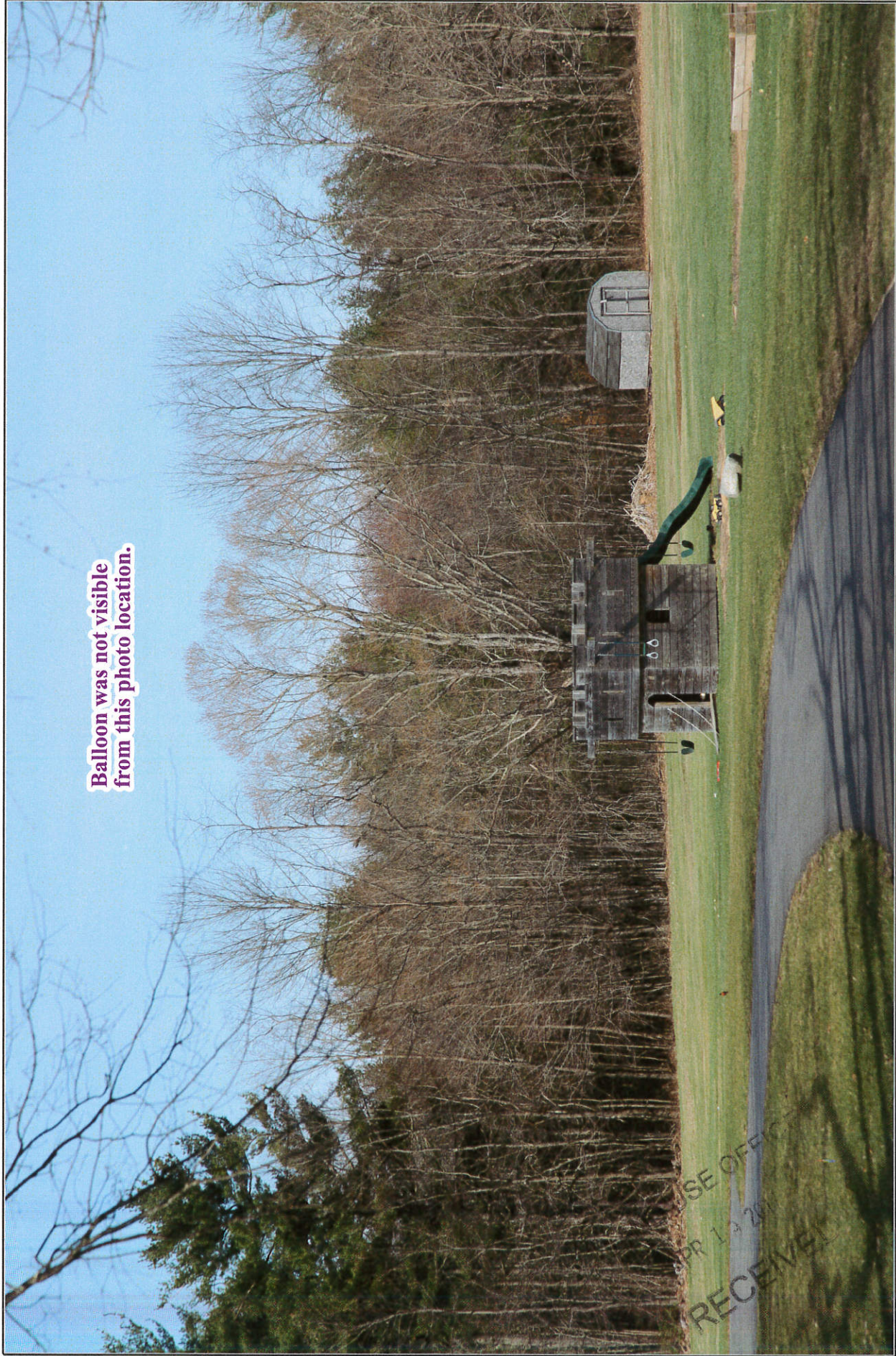
Proposed installation outlined to show relative size and position.

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Based upon Rev. 1 Drawn by Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Photo Location 14 ~ 105mm ~ 5885' +/- (1.11mi) Away
Near 40 Huckins Road

Created By: Ben Caron & Mike Barreiros
CAD Caron & Associates Design
(978) 360-3671 info@cadsim.com



Balloon was not visible
from this photo location.

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Barrington 1 ~ (4/17/2017)
Photo Location 15 ~ 105mm ~ 7401' +/- (1.40mi) Away
Near 238 Beauty Hill Road

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Based upon Rev. 1 Drawn by Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Photo Location 16 ~ 105mm ~ 5711' +/- (1.08mi) Away
From Barrington Middle School Entrance

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Based upon Rev. 1 Drawings by Hudson Design dated: 3/03/2017

Barrington 1 ~ (4/17/2017)
Balloon Used for Test Completed on Saturday 4/15/2017
Balloon flown from 5:55am through 12:03pm

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