



Prepared For:

Blue Sky Tower Partners LLC

Site Name:

Hampstead Kent Farm Road

NH-5018

Site Address:

**311 Kent Farm Road
Hampstead, NH 03841**

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 Tuesday 11/09/2016

Bottom of Red 6" diameter balloon = 130' AGL

Bottom of Yellow 2" diameter balloon = 150' AGL

Top of proposed monopole shown = 130' 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 to very light winds.

For visual reference only. Actual visibility is dependent upon weather conditions, season, sunlight, and viewer location.

Based upon Rev. 1, Permitting Drawings
by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photographic Renderings

Created By: Ben Caron & Mike Barreiros

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



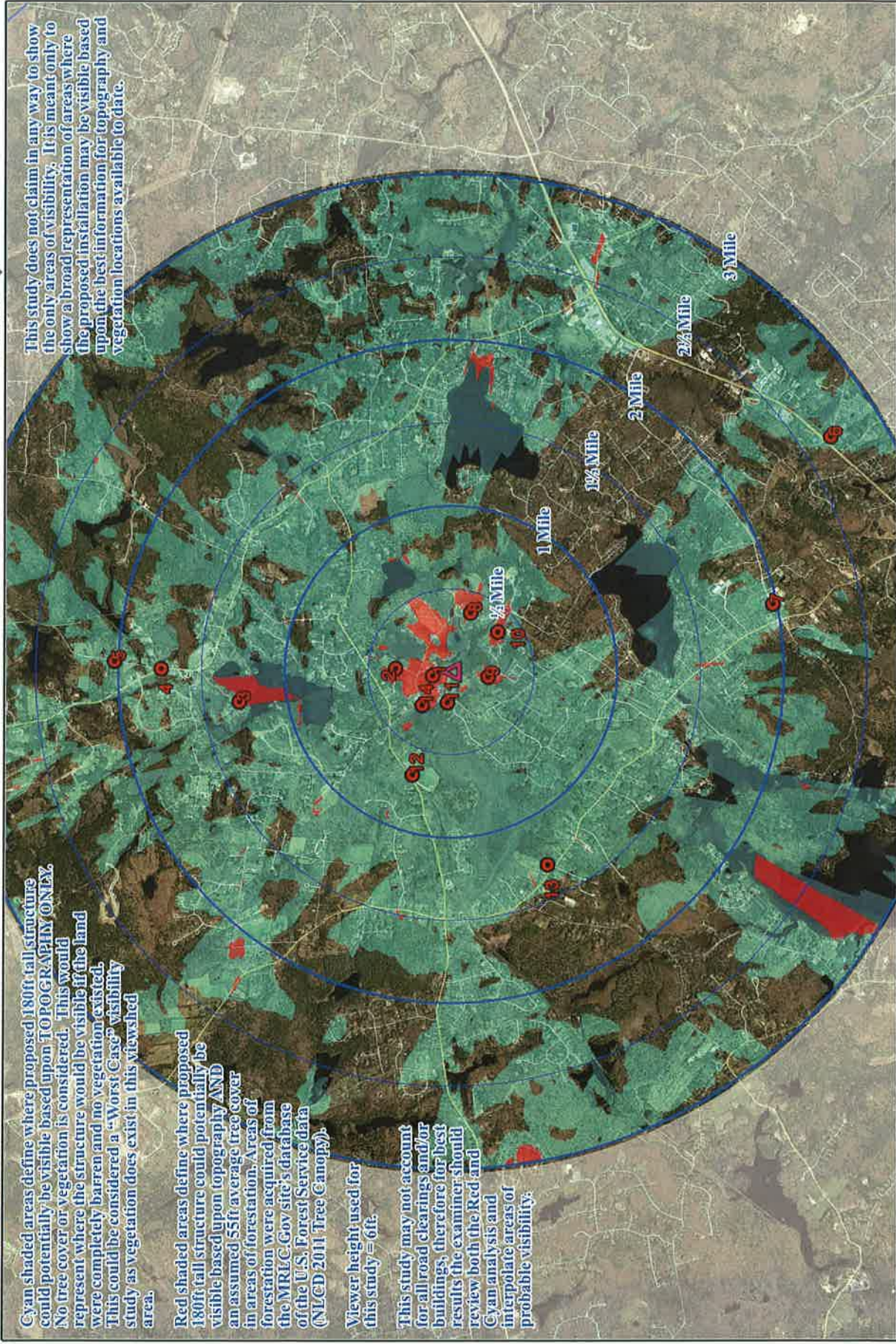
Cyan shaded areas define where proposed 180ft tall structure could potentially be visible based upon TOPOGRAPHY ONLY. No tree cover or vegetation is considered. This would represent where the structure would be visible if the land were completely barren and no vegetation existed. This could be considered a "Worst Case" visibility study as vegetation does exist in this viewed area.

Red shaded areas define where proposed 180ft 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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Based upon Rev. 1 Permitting Drawings by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

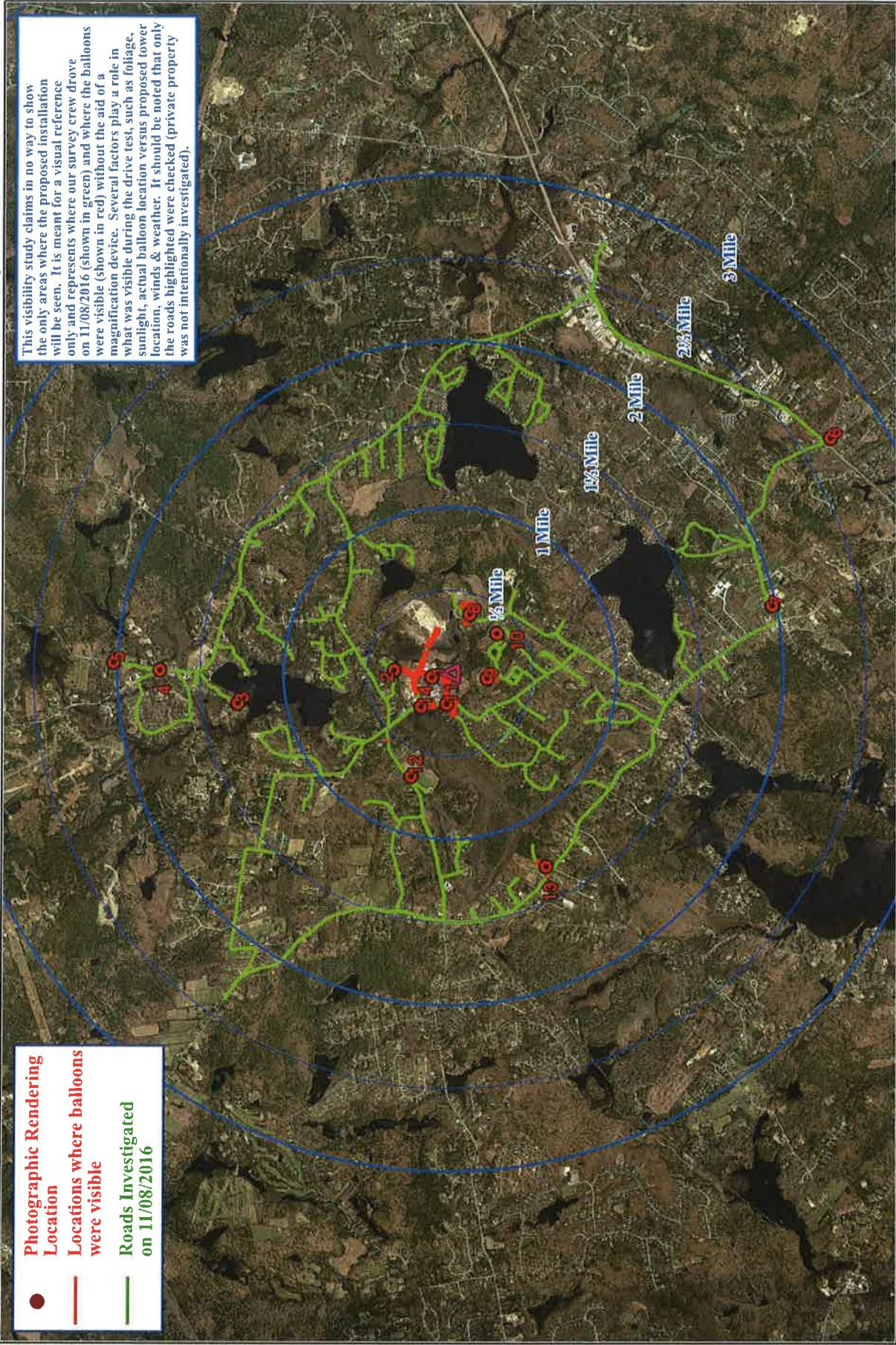
Predictive Viewshed Mapping based upon terrain with and without tree cover ~ 2 1/2 Mile Radius

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



- Photographic Rendering Location
- Locations where balloons were visible
- Roads Investigated on 11/08/2016

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 11/08/2016 (shown in green) and where the balloons were 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).



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Based upon Rev. 1.1 Permitting Dwg's by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Driven/Verified Visibility Map
2 1/2 Mile Radius

Created By: Ben Caron & Mike Barreiros
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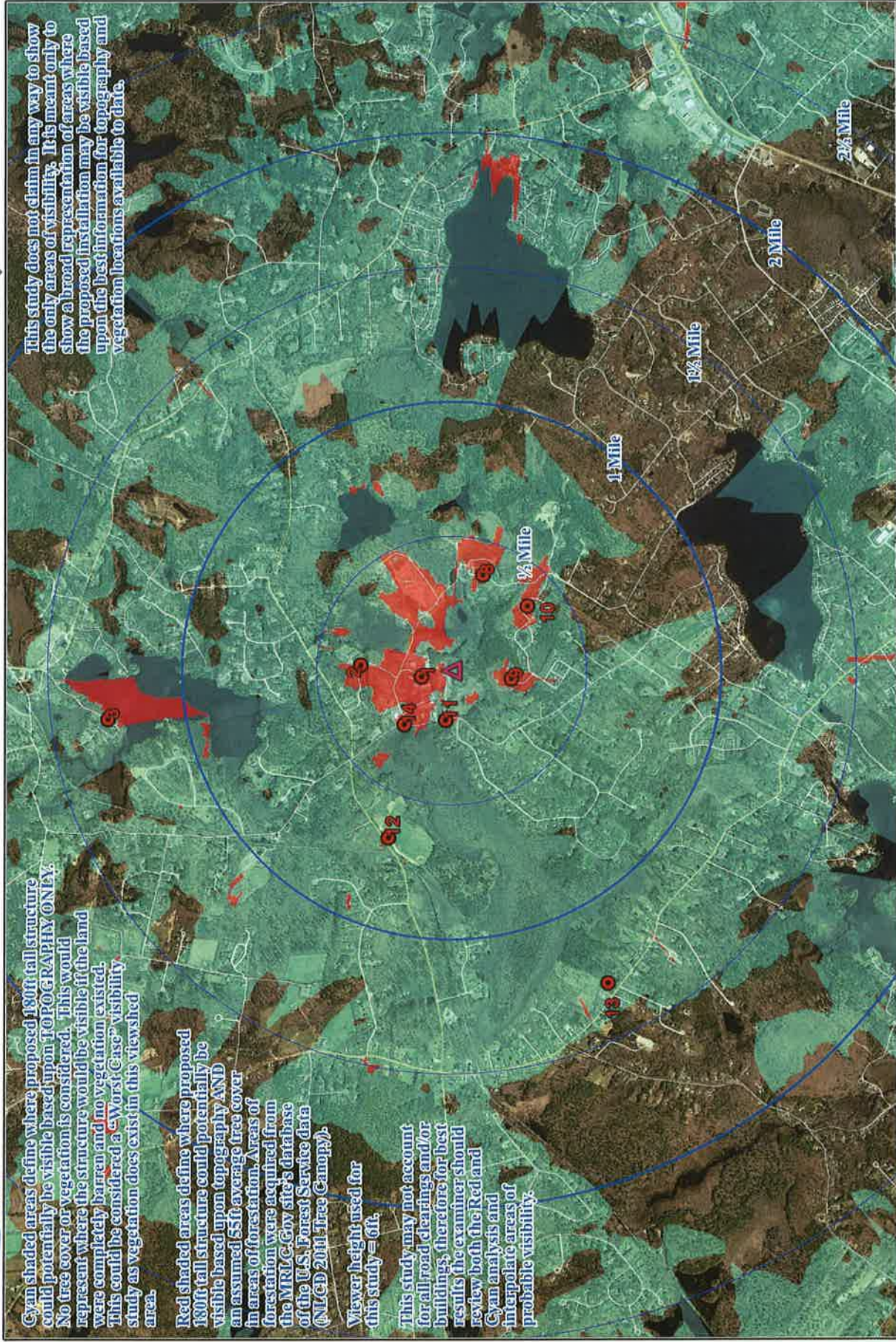
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Based upon Rev. 1 Permitting Drawings
by ProTeam dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

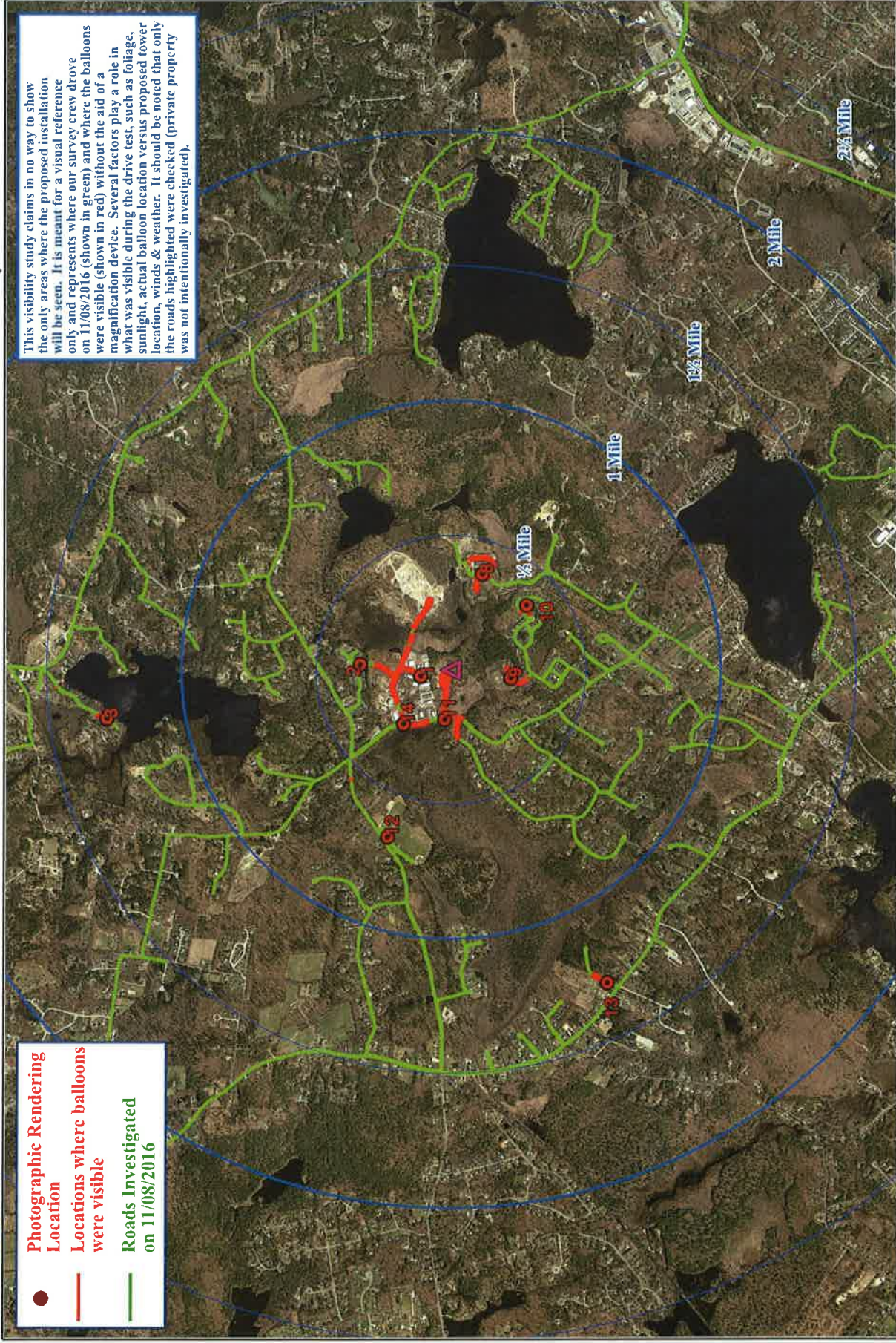
Predictive Viewshed Mapping based upon terrain with and without tree cover ~ 1 1/2 Mile Radius

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



- Photographic Rendering Location
- Locations where balloons were visible
- Roads Investigated on 11/08/2016

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 11/08/2016 (shown in green) and where the balloons were 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).



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Based upon Rev. 1 Permitting Dwg's by ProTerra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Driven/Verified Visibility Map
1 1/2 Mile Radius

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

Cyan shaded areas define where proposed 180ft 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 180ft 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 NRI C-Gov site's database of the U.S. Forest Service data (NLCD 2011 Tree Canopy).

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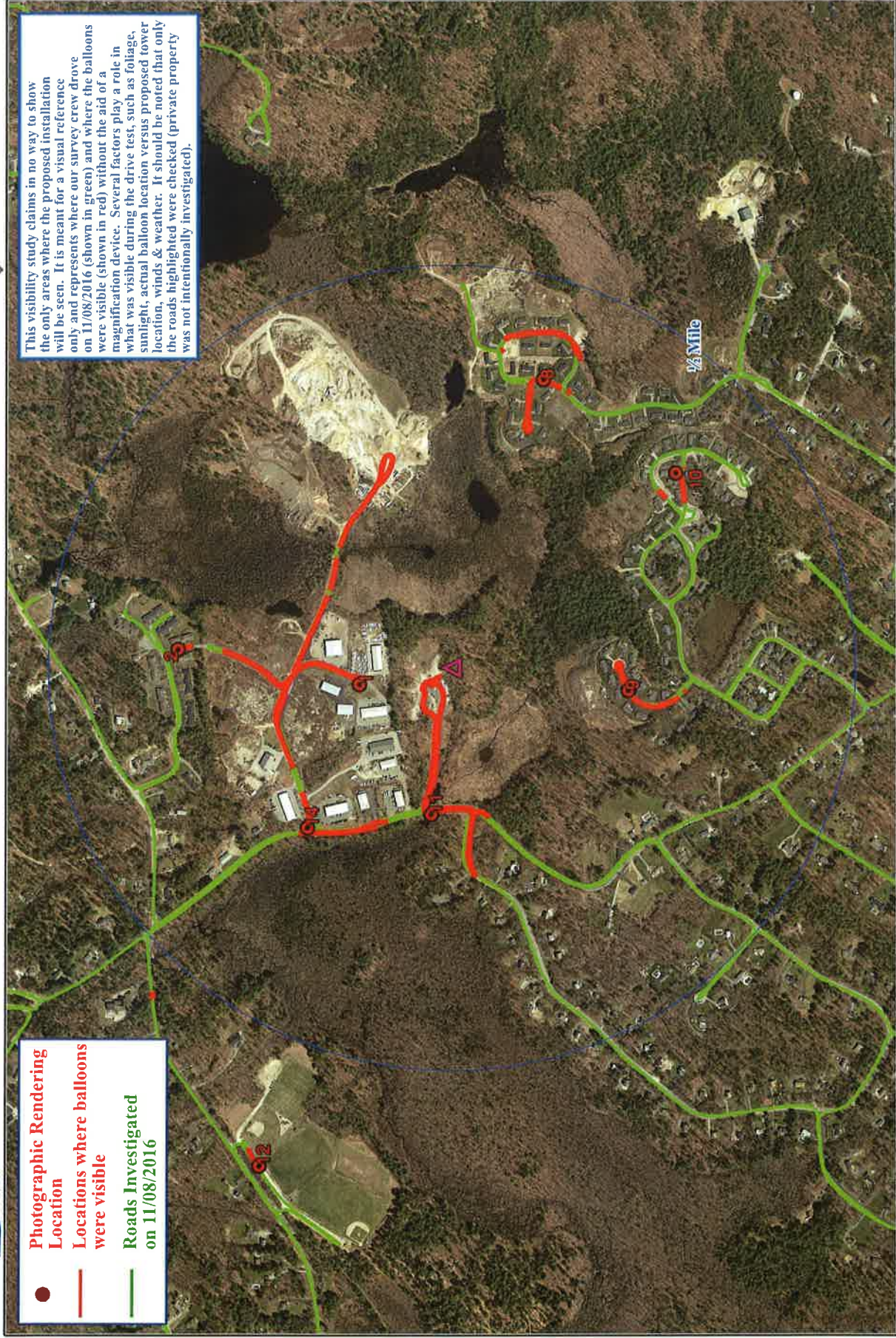
Based upon Rev. 1 Permitting Dwg
by Pro Terra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)
Predictive Viewshed Mapping based upon terrain with and without tree cover ~ 1/2 Mile Radius

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

- Photographic Rendering Location
- Locations where balloons were visible
- Roads Investigated on 11/08/2016

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Based upon Rev. 1.1 Permitting Dwg's by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016) Driven/Verified Visibility Map 1/2 Mile Radius

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



Existing
Conditions



For visual reference only. Actual visibility is dependent upon weather conditions, season, sunlight, and viewer location.

Based upon Rev. 1 Permitting Dwgs
by Proforma dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 1 ~ 50mm ~ 620' +/- (0.12mi) Away
From near 30 Owen's Court

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



Proposed
Conditions



For visual reference only. Actual visibility is dependent upon weather conditions, season, sunlight, and viewer location.
Based upon Rev. 1 Permitting Drawings by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 1 ~ 50mm ~ 620' +/- (0.12mi) Away
From near 30 Owen's Court

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



Existing
Conditions



T-Mobile



For visual reference only. Actual visibility is
dependent upon weather conditions, season,
sunlight, and viewer location.
Based upon Rev. 1 Permitting Dwg.
by ProLinn dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 2 ~ 65mm ~ 1801' +/- (0.34mi) Away
From near 2 Valerie Court

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



Proposed
Conditions



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Based upon Rev. 1 Permitting Drawings
by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 2 ~ 65mm ~ 1801' +/- (0.34mi) Away
From near 2 Valerie Court

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Existing
Conditions



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*Based upon Rev. 1 Permitting Drawings
by Proterra dated: 11/10/2016*

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 3 ~ 6815' +/- (1.29mi) Away

From near 34 North Shore Drive

Created By: Ben Caron & Mike Barreiros

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



Proposed
Conditions



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Based upon Rev. 1 Permitting Drawings by Proterra dated: 11/10/2016

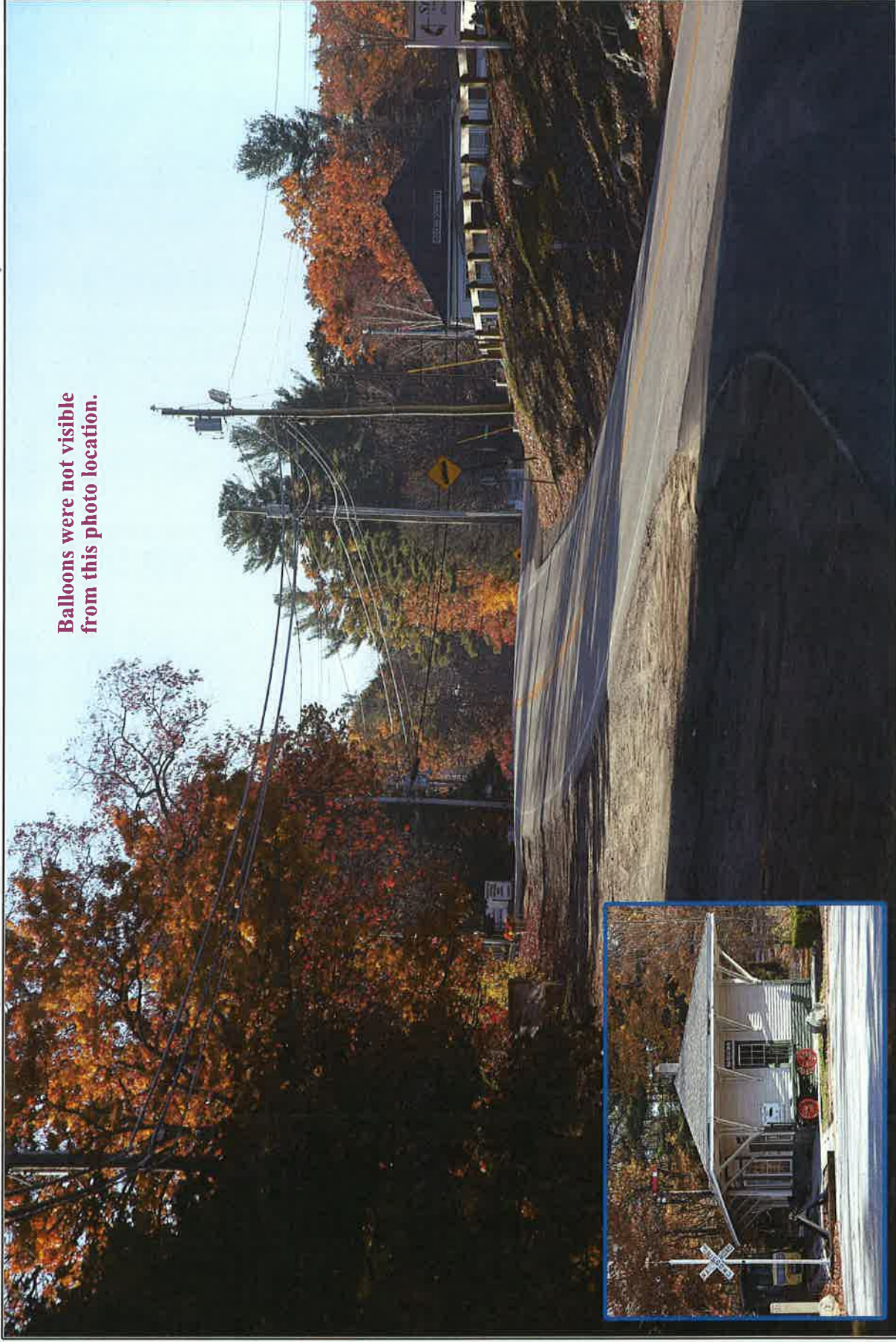
Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 3 ~ 105mm ~ 6815' +/- (1.29mi) Away
From near 34 North Shore Drive

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



Existing/Proposed Conditions



Balloons were not visible
from this photo location.



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dependent upon weather conditions, season,
sunlight, and viewer location.

Based upon Rev. 1 Permitting Drawings
by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 4 ~ 9230' +/- (1.75mi) Away
From Historic Sandown Depot, Boston and Maine Railroad

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



Existing/Proposed Conditions



Balloons were not visible
from this photo location.



For visual reference only. Actual visibility is
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sunlight, and viewer location.

Based upon Rev. 1 Permitting Drawings
by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 5 ~ 105mm ~ 10,714' +/- (2.03mi) Away
From Historic Sandown Old Meetinghouse

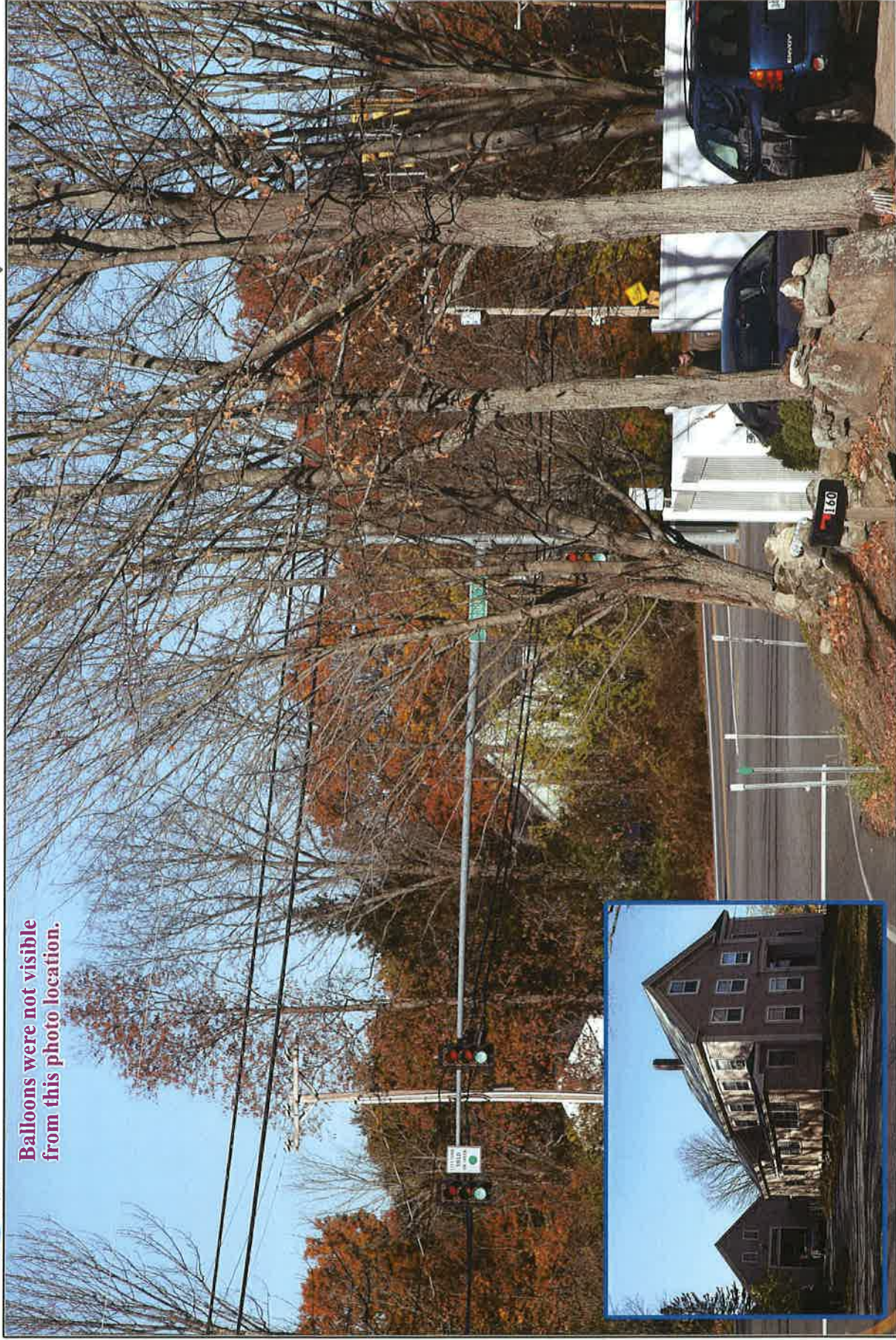
Created By: Ben Caron & Mike Barreiros
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Existing/Proposed Conditions



Balloons were not visible
from this photo location.



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Based upon Rev. 1 Permitting Drawings
by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 6 ~ 105mm ~ 14,166' +/- (2.68mi) Away

From Historic Amos Ring Homestead

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



Existing/Proposed Conditions



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Based upon Rev. 1 Permitting Drawings by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 7 ~ 105mm ~ 10,411' +/- (1.97mi) Away
From Historic Hampstead Meetinghouse

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(978) 360-3671 info@cadsim.com



Existing
Conditions



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Based upon Rev. 1 Permitting Drawings by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 8 ~ 65mm ~ 1986' +/- (0.38mi) Away
From near 101 Freedom Hill Road

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Proposed
Conditions



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*Based upon Rev. 1 Permitting Drawg
by Pro Terra dated: 11/10/2016*

Hampstead Kent Farm Road ~ (11/10/2016)
Photo Location 8 ~ 65mm +/- (0.38mi) Away
From near 101 Freedom Hill Road

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Existing
Conditions



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Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 9 ~ 50mm ~ 1159' +/- (0.22mi) Away
From near 21 Stonegate Lane

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Proposed
Conditions



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Existing
Conditions



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Based upon Rev. 1 Permitting Drawings by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)
Photo Location 10 ~ 65mm ~ 1943' +/- (0.37mi) Away
From near 6 Ian's Path

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Proposed
Conditions



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Based upon Rev. 1 Permitting Drawings by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 10 ~ 65mm ~ 1943' +/- (0.37mi) Away
From near 6 lan's Path

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Existing
Conditions



T-Mobile



For visual reference only. Actual visibility is dependent upon weather conditions, season, sunlight, and viewer location.

Based upon Rev. 1 Permitting Drawings
by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 11 ~ 50mm ~ 967' +/- (0.18mi) Away
From Kent Farm Road near Transfer Station Entrance

Created By: Ben Caron & Mike Barreiros
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Proposed
Conditions



T-Mobile



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Based upon Rev. 1 Permitting Drawings
by Proterra dated: 11/10/2016

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Based upon Rev. 1 Permitting Draw
by Pro Terra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)
Photo Location 12 ~ 85mm +/- (0.66mi) Away
From Fields at Depot Road

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Proposed
Conditions



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Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 12 ~ 85mm ~ 3495' +/- (0.66mi) Away
From Fields at Depot Road

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Existing
Conditions



T-Mobile



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*Based upon Rev. 1 Permitting Drawings
by Proterra dated: 11/10/2016*

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 13 ~ 105mm ~ 6837' +/- (1.29mi) Away
From new subdivision off of Main Street near Sarah's Way

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Proposed
Conditions



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Existing
Conditions



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Based upon Rev. 1 Permitting Drawings by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)

Photo Location 14 ~ 50mm ~ 1410' +/- (0.27mi) Away
From Intersection of Kent Farm Road and Owen's Court

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Proposed
Conditions



T-Mobile



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Based upon Rev. 1 Permitting Dwg's by Proterra dated: 11/10/2016

Hampstead Kent Farm Road ~ (11/10/2016)
Balloons Used for Test Completed on Tuesday 11/08/2016
Flown from 7:03am through 1:50pm

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