



received @ mtg 9/17/13



**Prepared For:
SBA & AT&T**

**Site Name:
Acton 2 ~ MA-11845-S**

**Site Address:
5 Craig Road
Acton, MA 01720**

**Prepared By:
Caron & Associates Design**

**Benjamin E. Caron
301 Concord Street
Haverhill, MA 01830
(978) 360-3671
ben@cadsim.com**



General Information:

**Crane Test for these renderings was completed Saturday 9/07/2013
Tip of Crane & Bottom of balloon = 110' AGL
The 5' diameter yellow balloon was flown only to assist in viewing from afar.
Top of antennas = 105' AGL
The tip of the crane was able to be set up directly over the proposed location.
Weather conditions were clear skies with excellent visibility.**

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

Based upon ZDs by Tower
Engineering dated: 5/03/2013
& Instructions from SBA

Acton 2 ~ MA-11845-S
Photographic Renderings ~ 9/14/2013
Crane Test Completed ~ 9/07/2013

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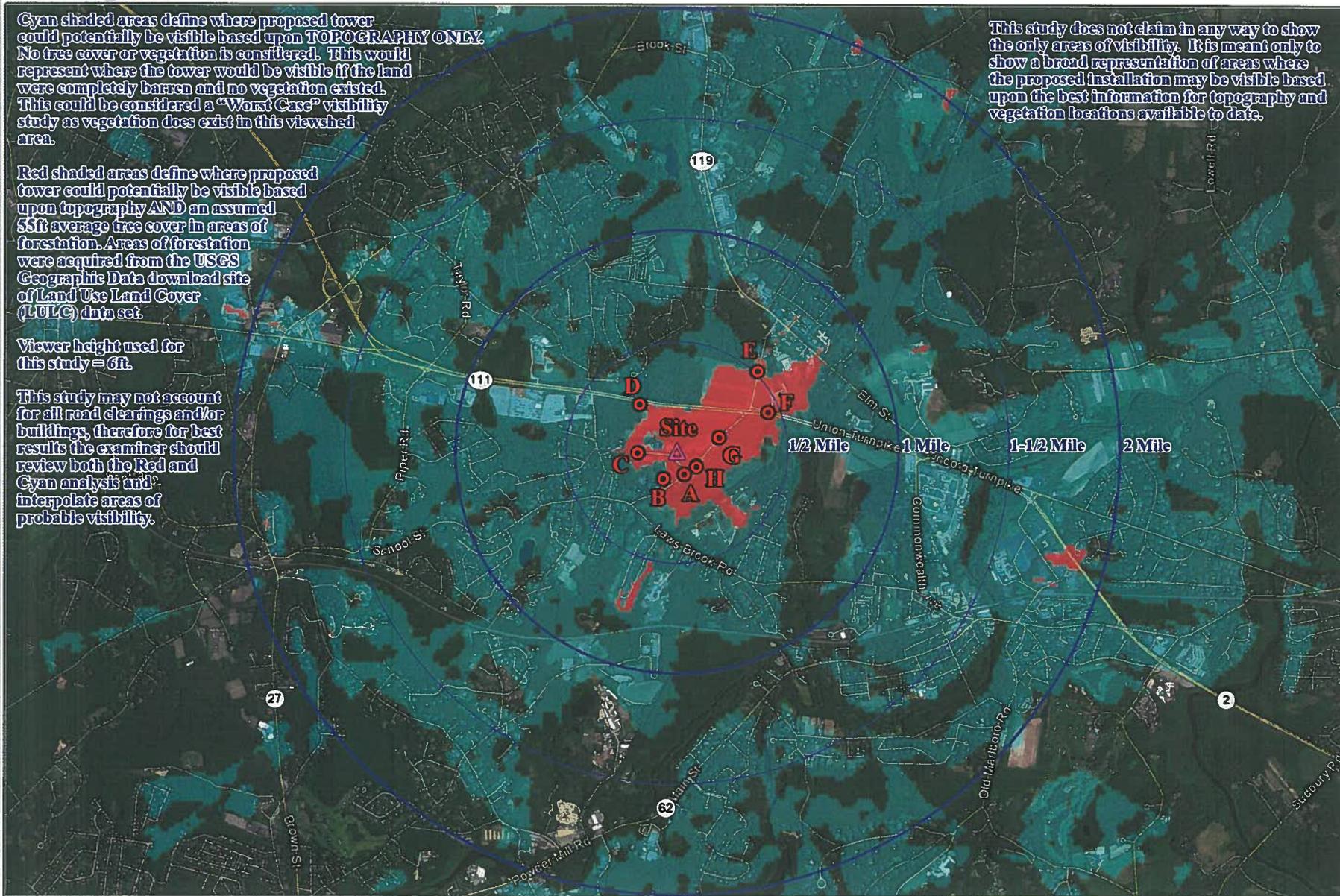
Cyan shaded areas define where proposed tower could potentially be visible based upon **TOPOGRAPHY ONLY**. No tree cover or vegetation is considered. This would represent where the tower would be visible if the land were completely barren and no vegetation existed. This could be considered a "Worst Case"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

Red shaded areas define where proposed tower 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 USGS Geographic Data download site of Land Use Land Cover (LULC) data set.

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.

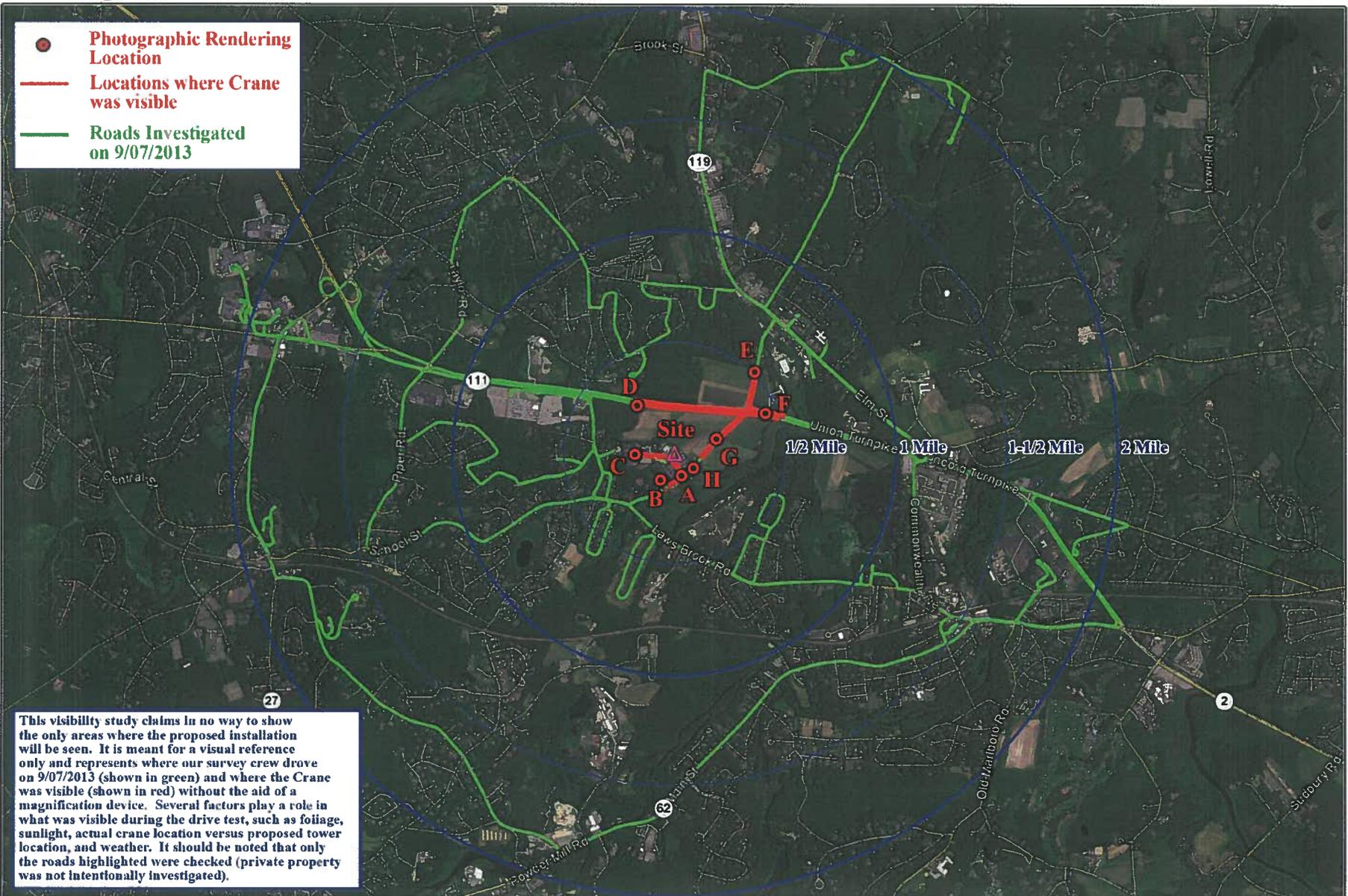


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Acton 2 ~ MA-11845-S
Predictive Viewshed Mapping based upon terrain with and without tree cover
2 Mile Radius ~ 9/14/2013

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CAD Caron & Associates Design
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-  **Photographic Rendering Location**
-  **Locations where Crane was visible**
-  **Roads Investigated on 9/07/2013**



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 9/07/2013 (shown in green) and where the Crane 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 crane location versus proposed tower location, and weather. It should be noted that only the roads highlighted were checked (private property was not intentionally investigated).

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Acton 2 ~ MA-11845-S
Driven/Verified Visibility Map
2 Mile Radius ~ 9/14/2013

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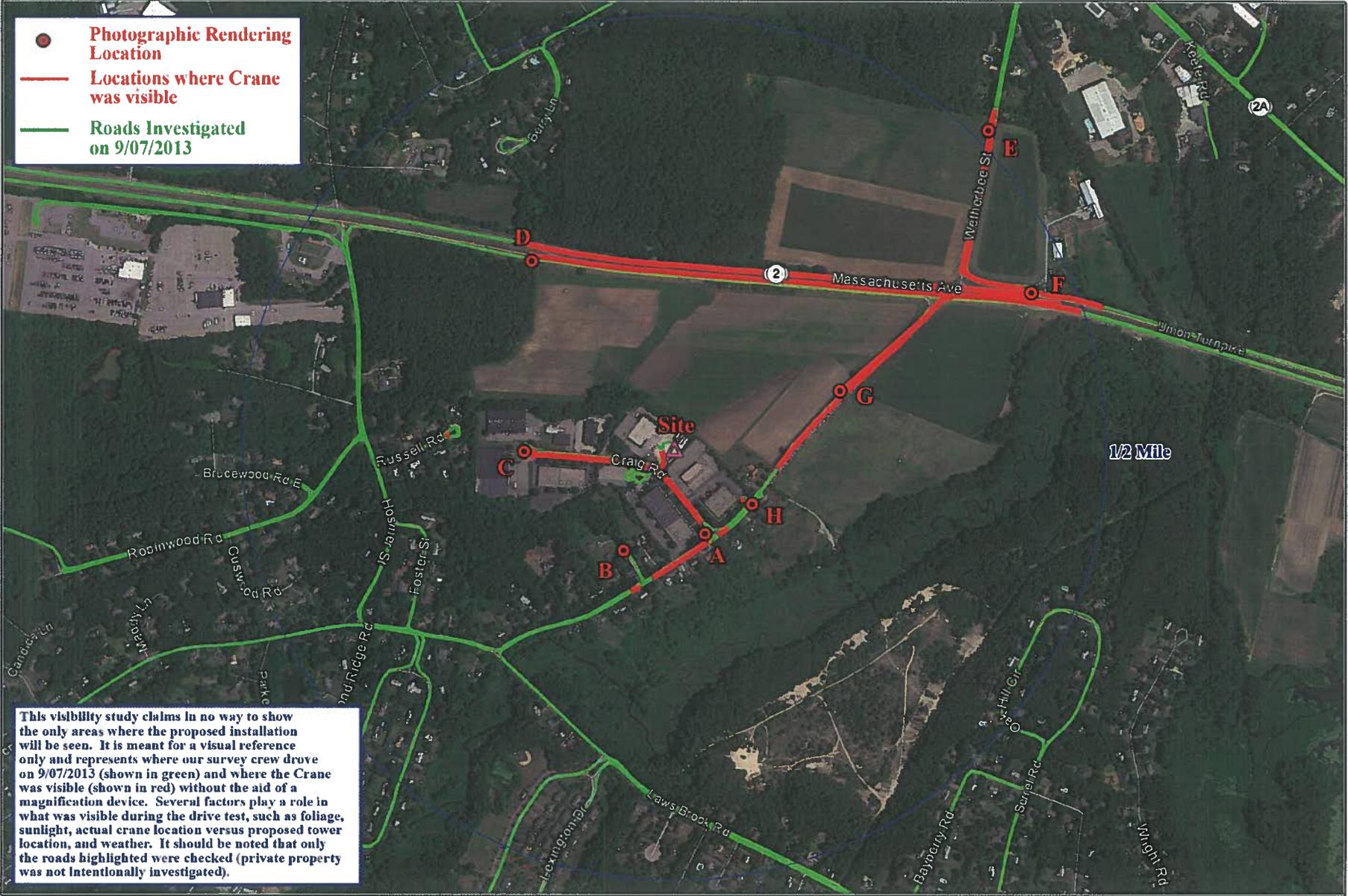


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Acton 2 ~ MA-11845-S
Predictive Viewshed Mapping based upon terrain with and without tree cover
Half Mile Radius ~ 9/14/2013

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 **Photographic Rendering Location**
 **Locations where Crane was visible**
 **Roads Investigated on 9/07/2013**



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 Driven/Verified Visibility Map
 Half Mile Radius ~ 9/14/2013

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Existing
Conditions



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*Based upon 2Ds by Tower
Engineering dated: 5/03/2013
& Instructions from SBA*

Acton 2 ~ MA-11845-S
Photo Location A ~ 50mm ~ 552' +/- (0.10mi) Away ~ 9/14/2013
From the intersection of Craig Road and School Street

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Proposed
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at&t



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Acton 2 ~ MA-11845-S
Photo Location B ~ 50mm ~ 689' +/- (0.13mi) Away ~ 9/14/2013
From shared driveway off of School Street southeast of site (#298)

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Acton 2 ~ MA-11845-S
Photo Location C ~ 50mm ~ 913'+/- (0.17mi) Away ~ 9/14/2013
From Cul-De-Sac at the end of Craig Road near Circle Furniture

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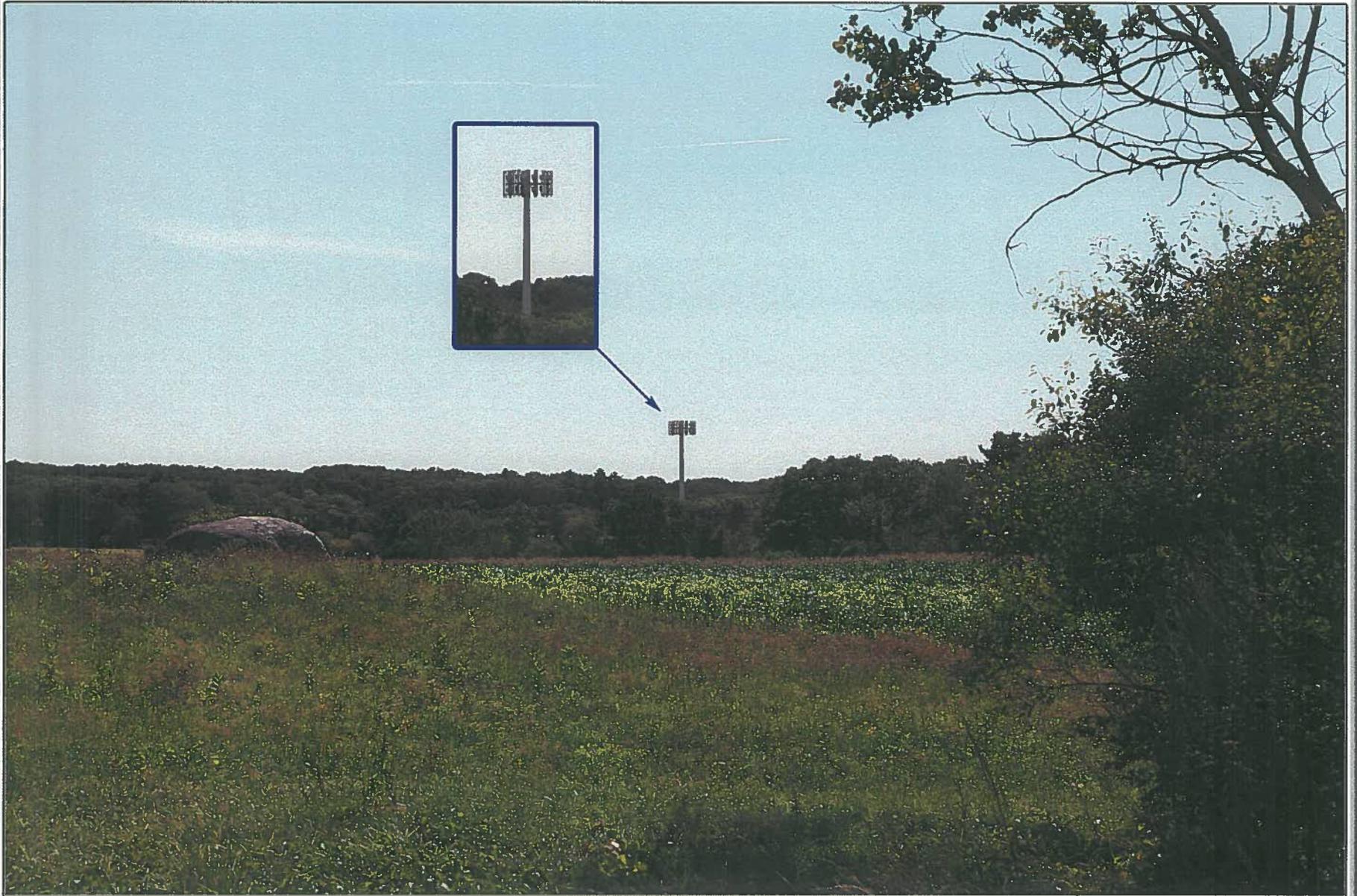
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Acton 2 ~ MA-11845-S
Photo Location D ~ 65mm ~ 1441' +/- (0.27mi) Away ~ 9/14/2013
From Route 2 Eastbound near 45mph speed limit sign.

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Acton 2 ~ MA-11845-S
Photo Location E ~ 85mm ~ 2734' +/- (0.52mi) Away ~ 9/14/2013
From Wetherbee Conservation Land Northeast of Site.

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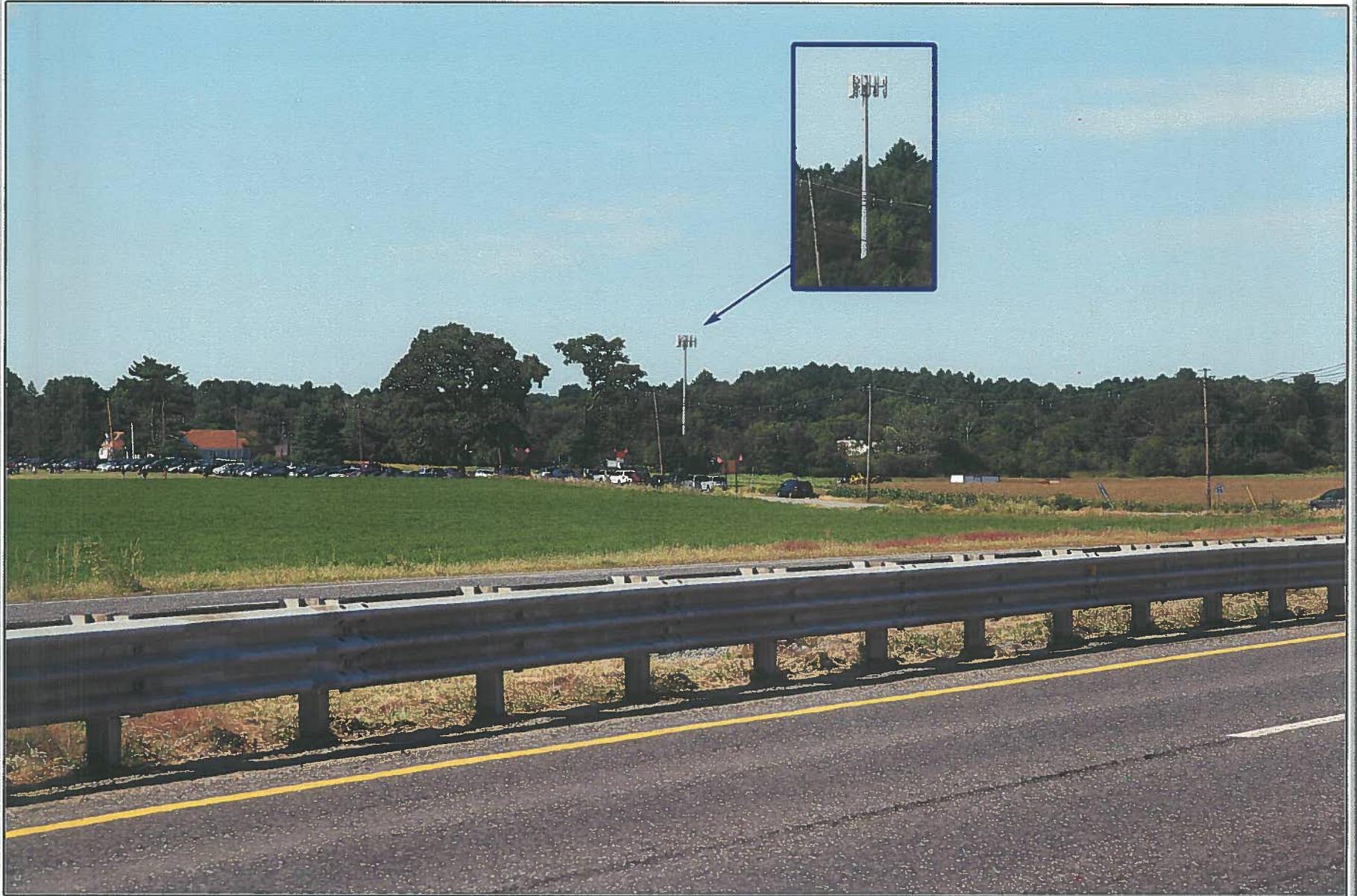
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Acton 2 ~ MA-11845-S
Photo Location F ~ 85mm ~ 2930' +/- (0.45mi) Away ~ 9/14/2013
From 100 yards East of intersection of Wetherbee and Route 2.

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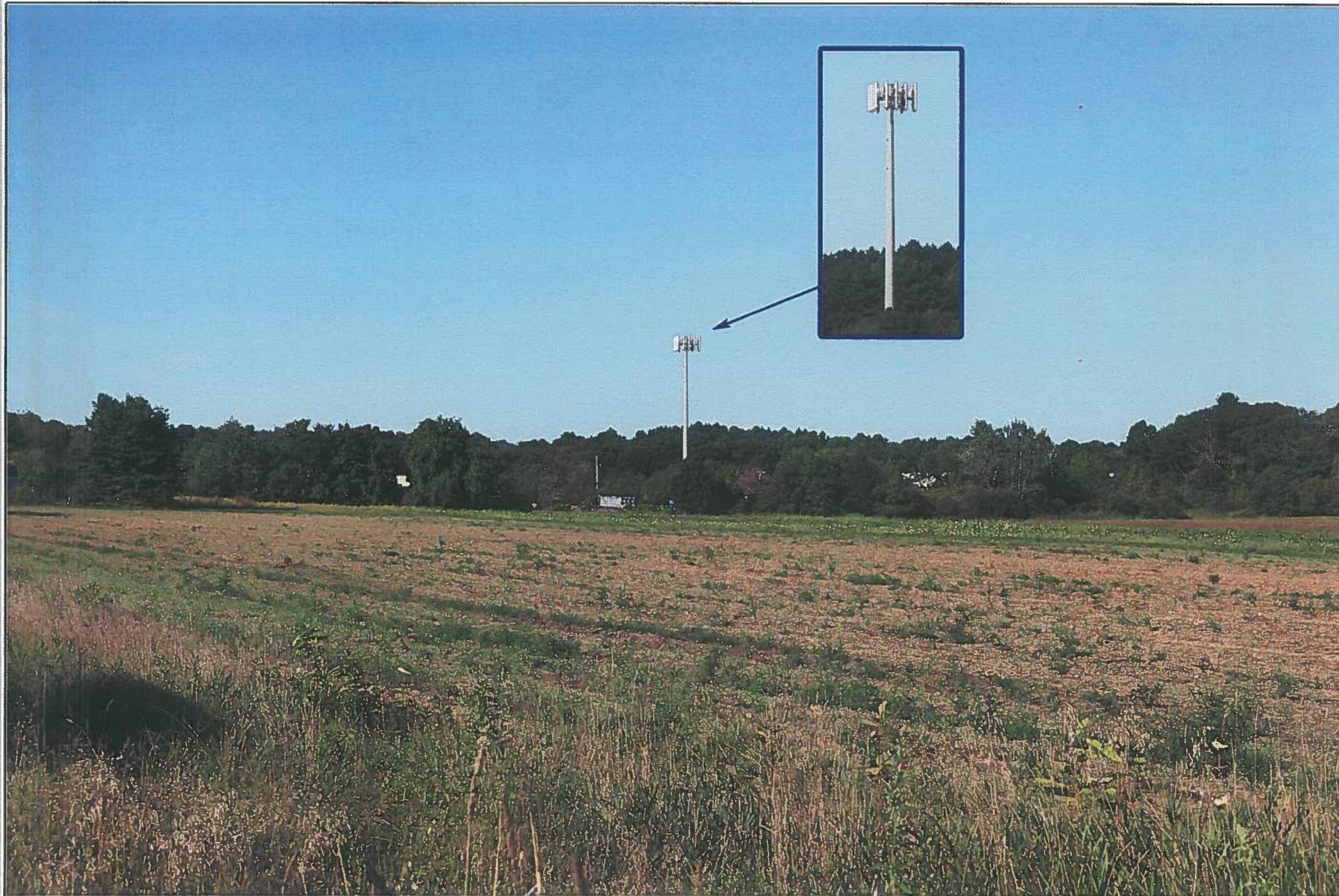
Acton 2 ~ MA-11845-S

Photo Location G ~ 50mm ~ 1079' +/- (0.20mi) Away ~ 9/14/2013
From near Soccer Field south of Intersection of Route 2 and School Street.

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Acton 2 ~ MA-11845-S
Photo Location H ~ 50mm ~ 586' +/- (0.11mi) Away ~ 9/14/2013
From near 311 School Street.

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