Submitted at the 8/29/16 Public Hearing . . .

Photographic Inventory & Simulations

175' Monopole

Site Name: US-MA-5025 Grafton

104 Creeper Hill Road
Grafton, MA 01536
Worcester County, MA

August 26, 2016

Prepared For:

vertical bridge

Prepared By:

seidel planning & design
land · solutions

2103 East High Street, Suite 200
Pottstown, PA 19464
610-323-8752

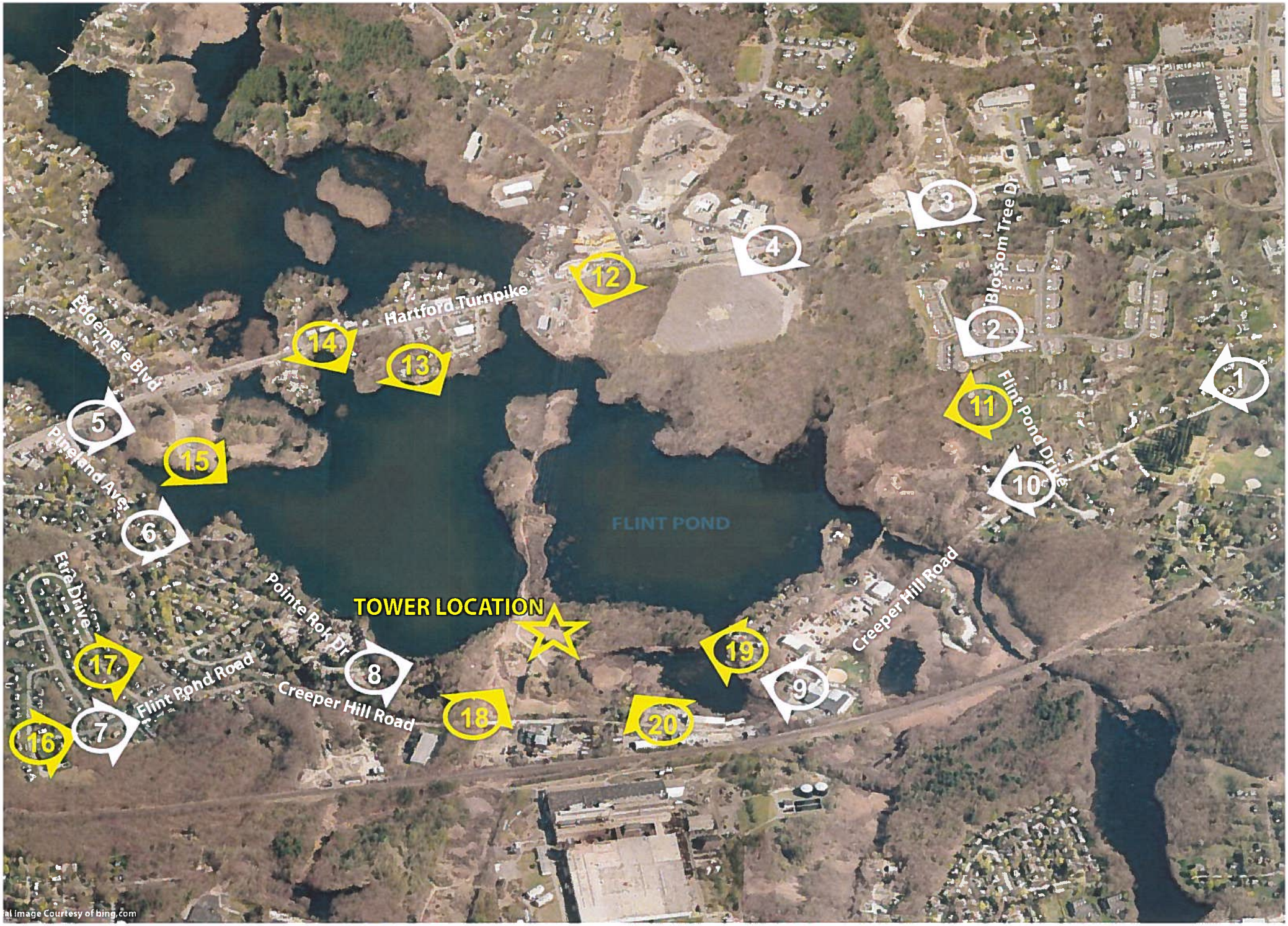
Project Summary:

On Tuesday August 23, 2016, a balloon test was conducted at the project site located at 104 Creeper Hill Road, Grafton, Massachusetts and shown on the Grafton Assessor's Map 17 as Lot 8A. To conduct the balloon test, Seidel Planning & Design, Ltd. visited the location of the proposed wireless communications facility. A large red balloon was inflated with helium to achieve a diameter of 36-inches. The balloon was tethered to the ground and flown to a height of 175-feet above grade. A second smaller balloon, approximately 12-inches in diameter, was also tethered to the same line and flown a height of 155-feet above grade. The purpose of the smaller balloon is to develop a scale by providing a 20-foot difference between the two (2) balloons to be utilized in the preparation of future photographic simulations. The balloons were released in sky at 8:55 am on August 23rd, and removed at 5:05 pm the same day.

While the balloons were in flight, a photographic inventory was conducted by obtaining photographs throughout the surrounding community to identify locations where the balloon was, and was not visible. Photographs were obtained from public areas such as roadways and community open space.

To conduct an accurate balloon test, clear skies and wind predictions below 8 miles per hour are preferred. Weather conditions during the duration of the investigation were sunny and clear. Winds were very low during first few hours of the investigation and had virtually no impact on the flight of the balloon. Starting at approximately 11:30 am, an occasional wind gust would slightly impact the flight of the balloon. Winds of up to 6 miles per hour were recorded by the local weather service in the afternoon, resulting in an accurate balloon test.

At the conclusion of the field investigation and after returning to the office, photographs depicting the balloons were enhanced to insert the image of a monopole style communications tower and associated antenna, similar to the wireless communications facility proposed for the subject parcel. A key map was also prepared utilizing an aerial photograph and identifying the location where photographs were obtained. The result of the investigation contains the 'Photographic Inventory & Simulations' found on the following pages.



Photographic Key Map - US - MA-5025

Yellow Arrows

White Arrows

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View # 1 - From Creeper Hill Road

Existing Conditions (Not Visible)

View # 2 - From Blossom Tree Drive

Existing Conditions (Not Visible

View # 3 - From Hartford Turnpike & Purinton Street

Existing Conditions (Not Visible)

View # 4 - From Hartford Turnpike

Existing Conditions (Not Visibl

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VBD-Grafton/ US-MA-5025
Photographs Obtained: August 23, 2016 . Exhibit Prepared: August 26, 2016

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View # 5 - From Hartford Turnpike & Pineland Avenue
Existing Conditions (Not Visible)

View # 6 - From Pineland Avenue
Existing Conditions (Not Visible

View # 7 - From Flint Pond Road
Existing Conditions (Not Visible)

View # 8 - From Point Rock Road
Existing Conditions (Not Visibl

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View # 10 - From Flint Road Drive & Creeper Hill Road

Existing Conditions (Not Visible)

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View # 11 - From Flint Pond Drive

Proposed 175' Monopole

175' Balloon Visible

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View # 12 - From Hartford Turnpike & Lake Street
Proposed 175' Monopole

175' Balloon Visible

vertical bridge

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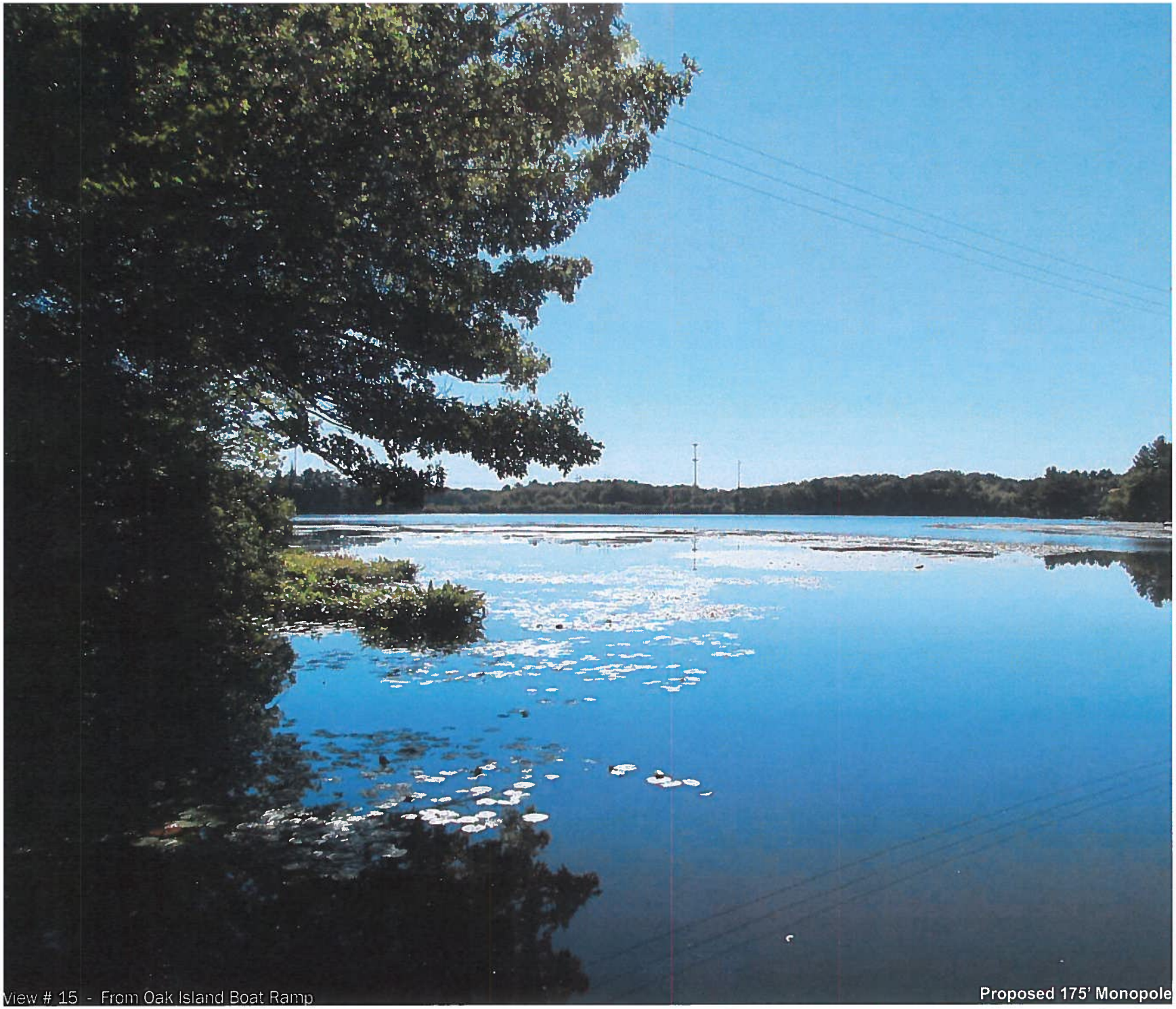

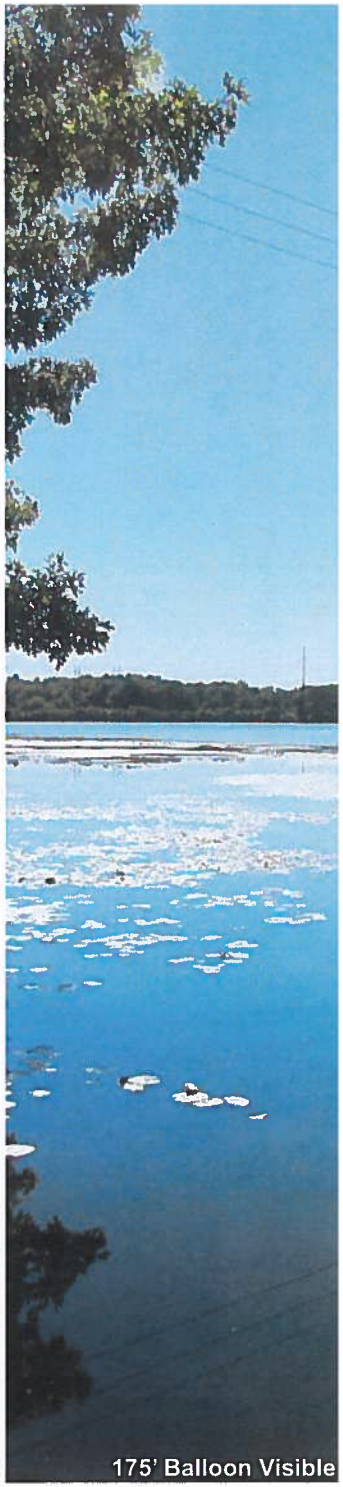

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View # 16 - From Flint Pond Road

Proposed 175' Monopole

175' Balloon Visible

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Photographs Obtained: August 23, 2016 . Exhibit Prepared: August 26, 2016

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View # 17 - From Etra Drive

Proposed 175' Monopole

175' Balloon Visible

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View # 18 - From Creeper Hill Road

Proposed 175' Monopole

175' Balloon Visible

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View # 19 - From Faulkner Road

Proposed 175' Monopole

175' Balloon Visible

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View # 20 - From Creeper Hill Road

Proposed 175' Monopole

175' Balloon Visibl

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Photographs Obtained: August 23, 2016 . Exhibit Prepared: August 26, 2016

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