

Vincent M. Marino

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October 15, 2019

**VIA HAND DELIVERY
AND ELECTRONIC MAIL**

Attorney Melanie Bachman,
Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Docket No. 486: Tarpon Towers II, LLC Application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility at 796 Woodin Street, Hamden, Connecticut

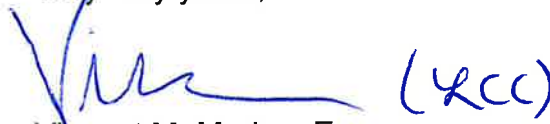
Dear Attorney Bachman:

Per the Council's request during the evidentiary hearing on September 19, 2019, Tarpon Towers II, LLC hereby encloses an original and fifteen (15) copies of the following Late- Filed Exhibits:

1. Wetland Impact Evaluation Report; and
2. Revised Viewshed Analysis Map.

If you have any questions, please do not hesitate to give me a call.

Very truly yours,


Vincent M. Marino, Esq.

VMM/lcc
Enclosures

cc: Service List

LFE 1



WETLAND EVALUATION REPORT

October 14, 2019

**Tarpon Towers II, LLC
1001 3rd Avenue West, Suite 420
Bradenton, FL 34205**

APT Project No.: CT407240

**Re: Siting Council Docket 486
Proposed Tarpon Towers Facility
796 Woodin Street
Hamden, Connecticut**

All-Points Technology Corporation, P.C. ("APT") understands that a wireless telecommunications facility ("Facility") is proposed by Tarpon Towers II, LLC ("Tarpon Towers") at 796 Woodin Street in Hamden, Connecticut ("Site" or "Subject Property"). During the Connecticut Siting Council's ("Council") public hearing on September 19, 2019, APT stated that a wetland impact evaluation would be submitted to the Council prior to the continuance of the evidentiary hearing scheduled for October 22, 2019. The following evaluation of the proposed Tarpon Towers Facility's impact to nearby wetlands is provided below.

Site and Wetland Descriptions:

The Site consists of residential home, horse paddock/barns and mature forest. Wetlands occupy a significant portion of the Subject Property, primarily along the eastern and southern boundaries. The proposed Facility would consist of a 70-foot by 40-foot fenced compound area hosting a monopole telecommunications tower and associated ground equipment located in the southeastern portion of the Site. Access to the Facility would be garnered off Woodin Street from the north and generally follow along the western property boundary.

APT conducted an inspection of the Subject Property on January 31, 2018 and May 9, 2018. Two wetland areas were delineated with Wetland 1 being located in proximity to the proposed Facility and access. Wetland 1 consists of a large hillside seep wetland system with two interior intermittent watercourses. The wetland is dominated by mature forest with some edge scrub/shrub and emergent areas associated with historic clearing of the Subject Property. This wetland generally drains north to south and west to east with several small 'finger' seeps that extend from the core wetland area along the east property boundary. The northern portion of this wetland system has experienced varying degrees of disturbance associated with clearing, filling, cutting, and manure/vegetation piles as a result of the Subject Property's residential and agricultural activities.

Wetland Impact Analysis

Based on a review of site plans prepared by Hudson Design Group LLC, latest revision date 09/17/19 (Rev. 4; relocated compound), reveals no direct impact to wetlands is associated with the proposed Tarpon Towers development. This latest site plan reveals a shift of the 40'x70' compound to the northwest from the Rev. 3 site plans (dated 09/06/19), leaving the original tower location unchanged and providing a greater buffer to

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nearby wetlands. As a result, the proposed compound varies from ±19' to the nearest wetland boundary (northeast compound corner to wetland flag WF 1-41) to ±40' from the farthest wetland boundary (southwest compound corner to WF 1-49). The closest development activity to wetlands is associated with grading along the eastern side of the proposed access just north of the compound at ±5' from WF 1-39.

Due to the close proximity of wetlands to proposed construction activities associated with the compound and access road, the potential exists for temporary impacts to nearby wetlands. APT recommends the following measures to mitigate for the Facility's proximity to wetland resources. Temporary impacts associated with construction activities would be mitigated by sedimentation and erosion controls that are designed, installed and maintained during construction in accordance with the *2002 Connecticut Guidelines For Soil Erosion and Sediment Control*. APT recommends that both silt fence and compost filter socks be installed in tandem for additional sedimentation and erosion control protection around the proposed development as noted on Site Plan Sheet No. C-2 by the "Silt Sock" limits. Proposed graded side slopes along the east, west and south sides of the compound should also be treated with an erosion control blanket for additional soil stabilization while vegetation is being established. APT recommends using an erosion control blanket that minimizes potential for wildlife entanglement such as North American Green's BioNet® or equivalent product. In addition, APT recommends that a wetland protection plan be implemented during construction to provide additional precaution in an effort to avoid any temporary wetland impacts. The wetland protection plan would include a pre-construction meeting with the contractor to discuss the sensitive nature of the project and its close proximity to wetlands, the importance of protecting such resources, provide an independent inspection of the installed erosion controls prior to initiation of earthwork to ensure proper installation, periodic monitoring of the construction to ensure erosion controls are being properly maintained and wetlands are being protected and documenting each inspection in a report. Details of the wetland protection plan are enclosed.

Long term secondary impacts to wetland resources possibly associated with the operation of the Facility are minimized by the fact the development is unmanned, it minimizes the creation of impervious surfaces with the use of a gravel compound and gravel access drive, minimal traffic is generated by the Facility, and no significant stormwater is anticipated to be generated by the proposed development.

To mitigate from unavoidable secondary impacts, APT recommends planting native shrubs around the east, west and south sides of the proposed compound to enhance the wetland buffer focusing on enhancing the wildlife habitat function of the wetland buffer. This wetland buffer enhancement planting plan would provide cover, food and nesting habitat for various wildlife particularly for avian species. Provided in Table 1 below is a listing of native shrubs proposed for the wetland buffer enhancement planting.

Table 1: Wetland Buffer Enhancement Area Planting Schedule

| Quantity | Botanical Name | Common Name | Size¹ | Spacing² |
|-----------------|-------------------------------|--------------------|-------------------------|----------------------------|
| 20 | <i>Amelanchier canadensis</i> | Serviceberry | 3-4' | 5-7' |
| 20 | <i>Cornus racemosa</i> | Gray Dogwood | 3-4' | 5-7' |
| 20 | <i>Cornus amomum</i> | Silky Dogwood | 3-4' | 5-7' |
| 20 | <i>Lindera benzoin</i> | Common Spicebush | 3-4' | 5-7' |
| 20 | <i>Clethra alnifolia</i> | Sweet Pepperbush | 3-4' | 5-7' |
| 20 | <i>Viburnum lentago</i> | Nannyberry | 3-4' | 5-7' |

Notes:

1. Shrubs shall be provided in minimum #2 containers.
2. Plant spacings are provided as general guideline. Plants should be spaced somewhat randomly to simulate a natural area.
3. Seed all disturbed soils around the buffer enhancement area with New England Conservation/Wildlife Mix (New England Wetland Plants, Inc.) at manufacture's 1,750 sq. ft./lb. application rate.

Provided these recommendations are implemented, it is APT's opinion that the proposed Tarpon Tower development will not result in a likely adverse impact to nearby wetland resources.

If you have any questions regarding the above-referenced information, please feel free to contact me by telephone at (860) 552-2033 or via email at dgustafson@allpointstech.com.

Sincerely,

All-Points Technology Corporation, P.C.

A handwritten signature in blue ink that reads "Dean Gustafson". The signature is written in a cursive style with a blue highlight effect.

Dean Gustafson
Senior Wetland Scientist

Enclosure

Wetland Protection Plan

WETLAND PROTECTION PROGRAM

Portions of the proposed Tarpon Towers II, LLC Facility are located in close proximity to wetlands. As a result, the following protective measures shall be followed to help avoid degradation of nearby wetland areas.

It is of the utmost importance that the Contractor complies with the requirement for the installation of protective measures and the education of its employees and subcontractors performing work on the project site in order to provide protection to nearby wetland areas. This protection program shall be implemented regardless of time of year the construction activities occur. All-Points Technology Corporation, P.C. ("APT") will serve as the Environmental Monitor for this project to ensure that wetland protection measures are implemented properly. The Contractor shall contact Dean Gustafson, Senior Wetland Scientist at APT, at least 5 business days prior to the pre-construction meeting. Mr. Gustafson can be reached by telephone at (860) 522-2033 or via email at dgustafson@allpointstech.com.

The wetland protection program consists of several components: education of all contractors and subcontractors prior to initiation of work on the site; use of appropriate erosion control measures to control and contain erosion while avoiding/minimizing wildlife entanglement; periodic inspection and maintenance of erosion control measures; protective measures; and, reporting.

1. Contractor Education

- a. Prior to work on site, the Contractor shall attend an educational session at the pre-construction meeting with the Environmental Monitor. This orientation and educational session will consist of an introductory meeting with the Environmental Monitor to understand the environmentally sensitive nature of the development site, where wetland jurisdictional boundaries are located and the need to follow these protective measures.
- b. APT will also post Caution Signs throughout the project site for the duration of the construction project providing notice of the environmentally sensitive nature of the work area and precautions to be taken to avoid impact to nearby wetland resources.

2. Erosion and Sedimentation Controls

- a. Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls [wattles], reinforced silt fence) has been found to entangle wildlife, including reptiles, amphibians, birds and small mammals. No permanent erosion control products or reinforced silt fence will be used on the project. Temporary Erosion control products will use either erosion control blankets and fiber rolls composed of processed fibers mechanically bound together to form a continuous matrix (net less) or netting composed of planar woven natural biodegradable fiber to avoid/minimize wildlife entanglement.
- b. Installation of erosion control measures shall be performed by the Contractor prior to any earthwork. The Environmental Monitor will inspect the work zone area prior to and following barrier installation to ensure erosion controls are properly installed.
- c. In addition to required daily inspection by the Contractor, the fencing will be inspected for tears or breeches in the fabric following installation periodically by the Environmental Monitor throughout the duration of the construction project.
- d. The extent of the erosion controls will be as shown on the site plans. The Contractor shall have additional erosion control materials staged on site should field conditions warrant extending/reinforcing the controls as deemed necessary or as directed by the Environmental Monitor.

- e. All silt fencing and other erosion control devices shall be removed within 30 days of completion of work and permanent stabilization of site soils. If fiber rolls/wattles, straw bales, or other natural material erosion control products are used, such devices will not be left in place to biodegrade and shall be promptly removed after soils are stable so as not to create a barrier to migrating wildlife. Seed from seeding of soils should not spread over fiber rolls/wattles as it makes them harder to remove once soils are stabilized by vegetation.

3. Petroleum Materials Storage and Spill Prevention

- a. Certain precautions are necessary to store petroleum materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the project's location in proximity to sensitive wetlands.
- b. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper and timely disposal off site in accordance with applicable local, state and federal laws.
- c. The following petroleum and hazardous materials storage and refueling restrictions and spill response procedures will be adhered to by the Contractor.
 - i. Petroleum and Hazardous Materials Storage and Refueling
 - 1. Refueling of vehicles or machinery shall occur a minimum of 100 feet from wetlands or watercourses and shall take place on an impervious pad with secondary containment designed to contain fuels.
 - 2. Any fuel or hazardous materials that must be kept on site shall be stored on an impervious surface utilizing secondary containment a minimum of 100 feet from wetlands or watercourses.
 - ii. Initial Spill Response Procedures
 - 1. Stop operations and shut off equipment.
 - 2. Remove any sources of spark or flame.
 - 3. Contain the source of the spill.
 - 4. Determine the approximate volume of the spill.
 - 5. Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.
 - 6. Ensure that fellow workers are notified of the spill.
 - iii. Spill Clean Up & Containment
 - 1. Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.
 - 2. Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
 - 3. Isolate and eliminate the spill source.

4. Contact appropriate local, state and/or federal agencies, as necessary.
5. Contact a disposal company to properly dispose of contaminated materials.

iv. Reporting

1. Complete an incident report.
2. Submit a completed incident report to appropriate local, state and/or federal agencies, as necessary.

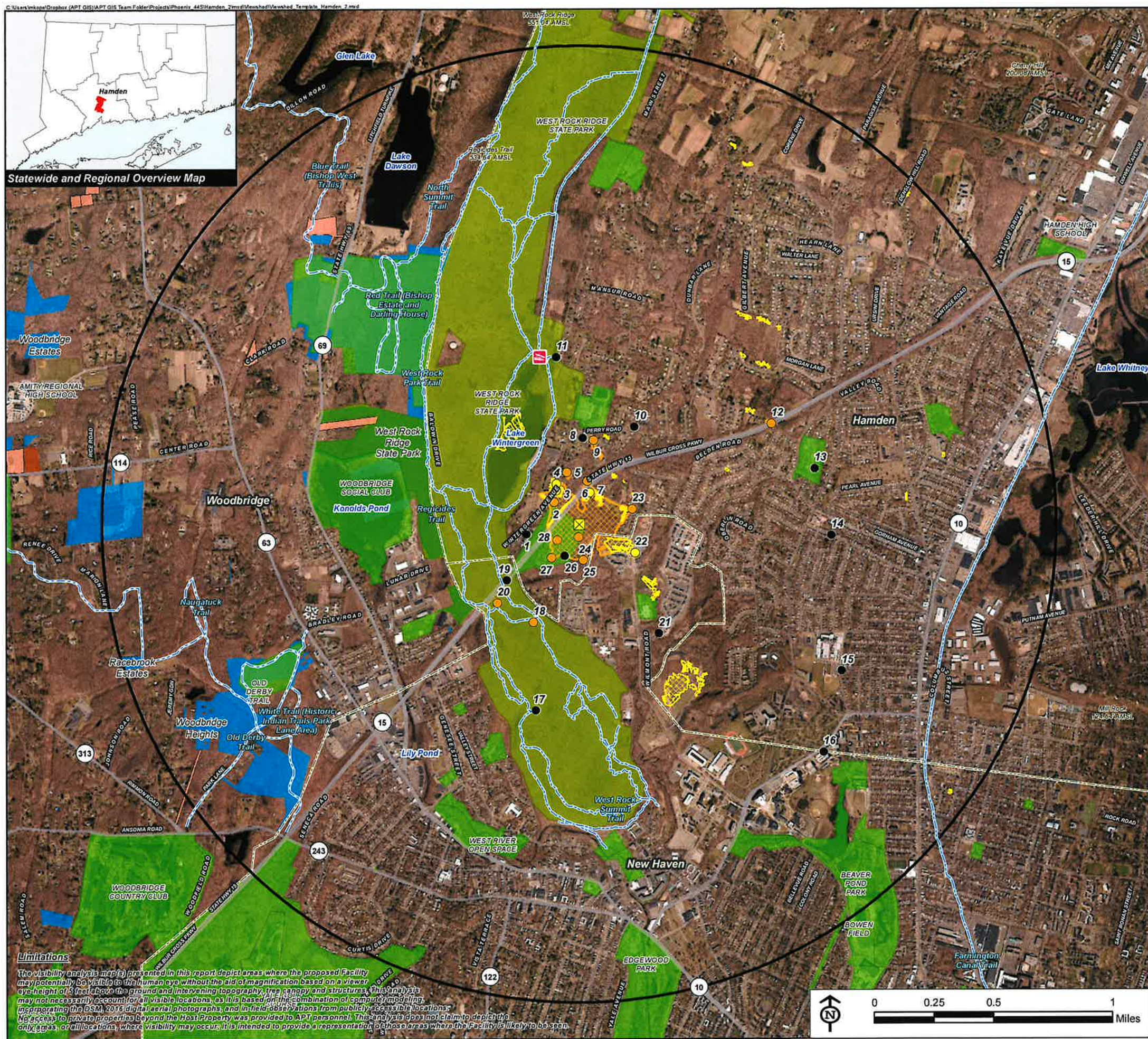
4. Herbicide and Pesticide Use

- a. The use of herbicides and pesticides at the proposed Facility should be minimized and when used should be in conjunction with integrated pest management techniques.

5. Reporting

- a. A Compliance Monitoring Report (brief narrative and applicable photos) documenting each of APT's inspection will be submitted by APT to Tarpon Towers II, LLC and its contractor for compliance verification.
- b. Following completion of the construction project, APT will provide a Compliance Monitoring Summary Report to Tarpon Towers II, LLC and its contractor documenting implementation of the wetland protection program and APT's monitoring observations. Tarpon Towers II, LLC shall provide a copy of the Compliance Monitoring Summary Report to the Connecticut Siting Council for compliance verification.
- c. Any incidents of sediment release into the nearby wetlands shall be reported by Tarpon Towers II, LLC to the Connecticut Siting Council within 24 hours of the incident.

LFE 2



Viewshed Analysis Map
 Proposed Wireless Telecommunications Facility
 Hamden CT
 796 Woodin Street
 Hamden, Connecticut

Proposed facility height is 120 feet AGL.
 Forest canopy height is derived from LiDAR data.
 Study area encompasses a two-mile radius and includes 8,042 acres of land.
 Map information field verified by APT on June 21, 2018 and March 1, 2019.
 Base Map Source: 2016 Aerial Photograph (CTECO)
 Map Date: October 2019

- Legend**
- Proposed Site
 - Study Area (2-Mile Radius)
 - Not Visible
 - Seasonal Visibility
 - Year-Round Visibility
 - Predicted Year-Round Visibility (21 Acres)
 - Areas of Potential Seasonal Visibility (47 Acres)
 - Municipal Boundary
 - Trail
 - DEEP Boat Launches
 - Municipal and Private Open Space Property
 - State Forest/Park
 - Protected Open Space Property - Federal
 - Land Trust
 - Municipal
 - Private
 - State

Data Sources:
Physical Geography / Background Data
 A digital surface model (DSM) was created from the State of Connecticut 2016 LiDAR LAS data points, using first return values associated with the highest feature in the landscape (such as a treetop or top of building). The DSM captures the natural and built features on the Earth's surface.
 Municipal Open Space, State Recreation Areas, Trails, County Recreation Areas, and Town Boundary data obtained from CT DEEP. Scenic Roads: CTDOT State Scenic Highways (2015); Municipal Scenic Roads (compiled by APT)
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 Western Connecticut Western Connecticut, 19th Edition, 2006.*
Other
 CTDOT Scenic Strips (based on Department of Transportation data)

Notes
 **Not all the sources listed above appear on the Viewshed Maps. Only those features within the scale of the graphic are shown.

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, tree canopy and structures. This analysis may not necessarily account for all visible locations, as it is based on the combination of computer modeling incorporating the DSM, 2016 digital 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.

