



## WETLAND INSPECTION

April 14, 2018

APT Project No.: CT445170

Revised June 13, 2018

**Prepared For:** Phoenix Partnership  
110 Washington Avenue  
North Haven, CT 81506473  
Attn: Keith Coppins

**Site Name:** CT1225 Hamden 2

**Site Address:** 796 Woodin Street, Hamden, Connecticut

**Date(s) of Investigation:** 1/31/2018 & 5/9/18

**Field Conditions:** **Weather:** sunny, mid 20's on 1/31/18; sunny, low 70's on 5/9/18  
**Soil Moisture:** moist

**Wetland/Watercourse Delineation Methodology\*:**

- Connecticut Inland Wetlands and Watercourses
- Connecticut Tidal Wetlands
- Massachusetts Wetlands
- U.S. Army Corps of Engineers

**Municipal Upland Review Area/Buffer Zone:**

**Wetlands & Watercourses:** 200 feet ; 100 feet non-disturbance zone

The wetlands inspection was performed by<sup>†</sup>:

Matthew Gustafson, Registered Soil Scientist

Enclosures: Wetland Delineation Field Forms & Wetland Inspection Map

*This report is provided as a brief summary of findings from APT's wetland investigation of the referenced Study Area that consists of proposed development activities and areas generally within 200 feet.<sup>‡</sup> If applicable, APT is available to provide a more comprehensive wetland impact analysis upon receipt of site plans depicting the proposed development activities and surveyed location of identified wetland and watercourse resources.*

\* Wetlands and watercourses were delineated in accordance with applicable local, state and federal statutes, regulations and guidance.

† All established wetlands boundary lines are subject to change until officially adopted by local, state, or federal regulatory agencies.

‡ APT has relied upon the accuracy of information provided by Phoenix Partnership and its contractors regarding proposed lease area and access road/utility easement locations for identifying wetlands and watercourses within the study area.

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# Attachments

- Wetland Delineation Field Forms
- Wetland Inspection Map

## Wetland Delineation Field Form

Wetland I.D.:	Wetland 1	
Flag #'s:	WF 1-01 to 1-70; 1-100 to 1-120 and 1-150 to 1-155	
Flag Location Method:	Site Sketch <input checked="" type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>

### WETLAND HYDROLOGY:

#### NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: Wetland 1 is a large seep wetland system with intermittent watercourses along the southwest and northeast boundaries of the subject property.		

#### TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments:		

### WETLAND TYPE:

#### SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

#### CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input checked="" type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: Western and southern extents of the subject property are dominated by mature forest with edges of scrub/shrub and emergent habitats along the central peripheries of the forested habitat as a result of clearing activities performed by the owner and creation of a horse paddock/barn.		

### WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Unnamed		
Comments: A watercourse, consisting of a deeply incised, sinuous system with steep banks and sandy/cobble bottom, is located along the western extents of the subject property running north to south. A second intermittent watercourse, consisting of a narrow/shallow bank with a mud bottom, starts as seep outbreak at the northeastern extents of the subject property.		

**Wetland Delineation Field Form (Cont.)**

**SPECIAL AQUATIC HABITAT:**

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

**SOILS:**

Are field identified soils consistent with NRCS mapped soils?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, describe field identified soils		

**DOMINANT PLANTS:**

Red Maple ( <i>Acer rubrum</i> )	American Elm ( <i>Ulmus americana</i> )
Black Birch ( <i>Betula lenta</i> )	Spicebush ( <i>Lindera benzoin</i> )
Fox Grape ( <i>Vitis labrusca</i> )	Green Ash ( <i>Fraxinus pennsylvanica</i> )
Poison Ivy ( <i>Toxicodendron radicans</i> )	Soft Rush ( <i>Juncus effuses</i> )

\* denotes Connecticut Invasive Species Council invasive plant species

**GENERAL COMMENTS:**

All-Points Technology Corp., P.C. (“APT”) understands that Phoenix Partnership is proposing the construction of a telecommunications facility (“Facility”) in the southern end of the subject property. The subject property consists of a residential home, horse paddock/barns and mature forest. Wetlands occupy a significant portion of the subject property, primarily along the eastern property boundary. The Facility would consist of a 70-foot by 40-foot fenced compound area hosting a monopole telecommunications tower and associated ground equipment. Access to the facility would be garnered off Woodin Street to the north and generally follow along the western property boundary.

Wetland 1 consists of a large hillside seep wetland system with two interior 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. Runoff from Wilbur Cross Parkway is conveyed through a channel and into a culvert at wetland flags WF 1-150/1-155 that flows under the horse paddock area eventually discharging into the main section of Wetland 1. The northern portion of this wetland system has experienced varying degrees of disturbance associated with clearing, filling, cutting, and manure/vegetation piles associated with the subject property’s residential and agricultural activities.

As currently presented, the proposed access and Facility location would not appear to result in a direct impact to wetland resources. However, development activities would be located in close proximity to wetland areas. APT recommends that a wetland impact evaluation be performed of the proposed Facility and access location. APT will provide a wetland impact evaluation under separate cover upon receipt of project site plans that provide clearing, grading and drainage details associated with the proposed Facility and access locations in relation to nearby wetland resources.

## Wetland Delineation Field Form

Wetland I.D.:	Wetland 2	
Flag #'s:	WF 2-01 to 2-09	
Flag Location Method:	Site Sketch <input checked="" type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>

**WETLAND HYDROLOGY:**

**NONTIDAL**

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: Wetland 2 is a small seep system that feeds Wetland 1 off property to the south.		

**TIDAL**

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments:		

**WETLAND TYPE:**

**SYSTEM:**

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

**CLASS:**

Emergent <input type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

**WATERCOURSE TYPE:**

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

**Wetland Delineation Field Form (Cont.)**

**SPECIAL AQUATIC HABITAT:**

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

**SOILS:**

Are field identified soils consistent with NRCS mapped soils?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, describe field identified soils		

**DOMINANT PLANTS:**

Red Maple ( <i>Acer rubrum</i> )	American Elm ( <i>Ulmus americana</i> )
Japanese Barberry* ( <i>Berberis thunbergii</i> )	Spicebush ( <i>Lindera benzoin</i> )
Skunk Cabbage ( <i>Symplocarpus foetidus</i> )	

\* denotes Connecticut Invasive Species Council invasive plant species

**GENERAL COMMENTS:**

All-Points Technology Corp., P.C. (“APT”) understands that Phoenix Partnership is proposing the construction of a telecommunications facility (“Facility”) in the southern end of the subject property. The subject property consists of a residential home, horse paddock/barns and mature forest. Wetlands occupy a significant portion of the subject property, primarily along the eastern property boundary. The Facility would consist of a 70-foot by 40-foot fenced compound area hosting a monopole telecommunications tower and associated ground equipment. Access to the facility would be garnered off Woodin Street to the north and generally follow along the western property boundary.

Wetland 2 consists of a relatively small forested hillside seep wetland system that sheet flows to the south, eventually converging with Wetland 1 on the adjoining property. Wetland 2 is buffered from the proposed Facility and access areas by an intermittent stream channel section of Wetland 1.

As currently presented, the proposed access and Facility location would not appear to result in a direct impact to wetland resources. However, development activities would be located in close proximity to wetland areas. APT recommends that a wetland impact evaluation be performed of the proposed Facility and access location. APT will provide a wetland impact evaluation under separate cover upon receipt of project site plans that provide clearing, grading and drainage details associated with the proposed Facility and access locations in relation to nearby wetland resources.



**Legend**

- Proposed Monopole Tower
- Proposed Site Layout
- Proposed Equipment
- Wetland Flag
- Approximate Wetland
- Delineated Wetland Boundary
- Intermittent Watercourse
- Existing Culvert (By Others)
- Existing Utility Pole (By Others)
- Subject Property
- Approximate Parcel Boundary (CTDEEP)

**Wetland Inspection Map**

Proposed Wireless Telecommunications Facility  
 Hamden CT Relo  
 796 Woodin Street  
 Hamden, Connecticut

**Map Notes:**  
 Base Map Source: 2016 Aerial Photograph (CTECO)  
 Map Scale: 1 inch = 125 feet  
 Map Date: May 2018

