



WETLAND INSPECTION

June 16, 2015, Revised May 11, 2016

APT Project No.: CT283150

Prepared For: Homeland Towers
22 Shelter Rock Road, Bld. C
Danbury, CT 06810

HLT Site Name: CT777
Brookfield

Site Address: 100 Pocono Road
Brookfield, Connecticut

Date(s) of Investigation: 5/7/2015

Field Conditions: **Weather:** sunny, mid 70's
Soil Moisture: dry to moist

Wetland/Watercourse Delineation Methodology[†]:

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

The wetlands inspection was performed by[‡]:

Dean Gustafson, Professional 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.^{} 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 Homeland Towers regarding proposed lease area and access road/utility easement locations for identifying wetlands and watercourses within the study area.

Attachments

- Wetland Delineation Field Forms
- Wetland Inspection Map

Wetland Delineation Field Form

Wetland I.D.:	Wetland 1	
Flag #'s:	WF 1-01 to 1-09	
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: None		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

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 checked="" type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Unnamed		
Comments: Interior to Wetland 1 is a drainage ditch (man-made intermittent watercourse) that functions as a curtain drain to keep stormwater runoff from flowing uncontrolled onto Route 7 located nearby to the west.		

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 checked="" type="checkbox"/>	No <input type="checkbox"/>
If no, describe field identified soils		

DOMINANT PLANTS:

Red Maple (<i>Acer rubrum</i>)	Japanese Barberry* (<i>Berberis thunbergii</i>)
Multiflora Rose* (<i>Rosa multiflora</i>)	Silky Dogwood (<i>Cornus amomum</i>)
Sycamore (<i>Platanus occidentalis</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)
Asiatic Bittersweet* (<i>Celastrus orbiculatus</i>)	Glossy Buckthorn (<i>Rhamnus frangula</i>)

* denotes Connecticut Invasive Species Council invasive plant species

GENERAL COMMENTS:

The proposed facility is located in the south end of the Town of Brookfield Residential Yard & Refuse Center property in a cleared and graded area used for storage of various earth and refuse materials. The proposed Homeland Towers facility is located ±390 feet southeast of Wetland 1 and the access, which follows an existing paved and gravel drive, is located approximate 300 feet west of Wetland 1 at its nearest point. The proposed development will not result in an adverse impact to Wetland 1 provided appropriate erosion and sedimentation controls are installed and maintained during construction in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control (DEP Bulletin 34).

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 checked="" type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: None		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

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: Wetland appears to have been created as a constructed stormwater wetland basin to treat stormwater runoff from the Brookfield Volunteer Fire Company firehouse parking lot.		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input 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 checked="" type="checkbox"/>	No <input type="checkbox"/>
If no, describe field identified soils		

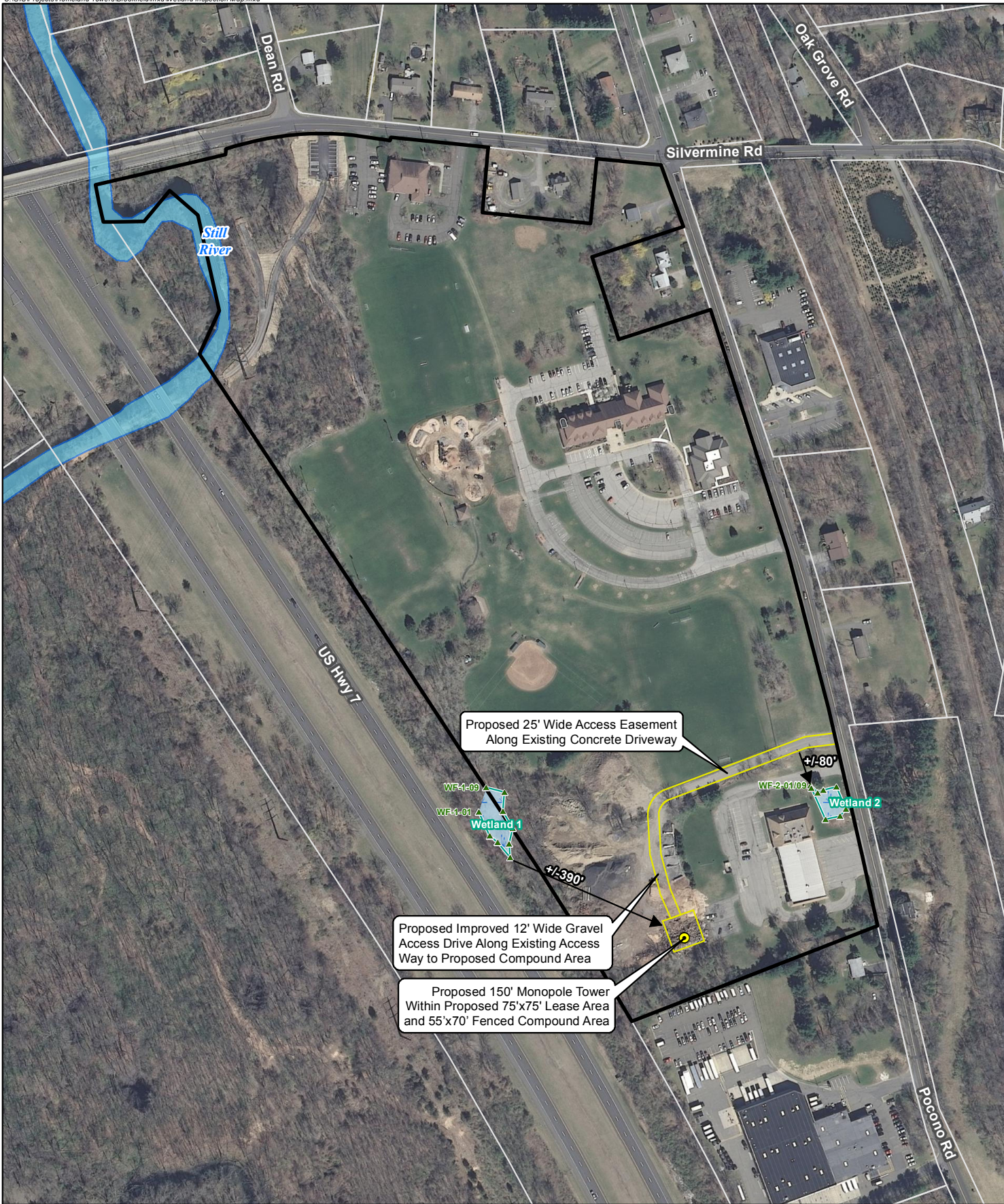
DOMINANT PLANTS:

Broad-Leaf Cattail (<i>Typha latifolia</i>)	Reed Canarygrass* (<i>Phalaris arundinacea</i>)
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* denotes Connecticut Invasive Species Council invasive plant species

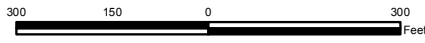
GENERAL COMMENTS:

<p>The proposed facility is located in the south end of the Town of Brookfield Residential Yard & Refuse Center property in a cleared and graded area used for storage of various earth and refuse materials. The proposed Homeland Towers facility is located ±385 feet southwest of Wetland 2 and the access, which follows an existing paved and gravel drive, is located approximately 80 feet west of Wetland 2 at its nearest point. The proposed development will not result in an adverse impact to Wetland 2.</p>
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Legend

- Proposed 150' Tall Monopole Tower
- Approximate Proposed Facility Layout
- Subject Property
- Approximate Parcel Boundary (CTDEEP GIS)
- Wetland Flag
- Delineated Wetland Boundary
- Wetland Area



Map Notes:
 Base Map Source: 2012 Aerial Photograph (CTECO)
 Map Scale: 1 inch = 300 feet
 Map Date: May 2016

Wetland Inspection Map

Proposed Wireless
 Telecommunications Facility
 Brookfield
 100 Pocono Road
 Brookfield, Connecticut

