

August 30, 2021

APT Project No.: CT361920

Prepared For: Langan Engineering and Environmental Services
Long Wharf Maritime Center
555 Long Wharf Drive, New Haven, CT 06511
Attention: David Gagnon, P.E., Project Manager

Site Name: Evergreen Walk School Renovation

Site Address: 528 Evergreen Way, Building 600, South Windsor, Connecticut

Date of Investigation: 7/7/2021

Field Conditions: **Weather:** sunny, low 90's
Soil Moisture: moist

Wetland/Watercourse Delineation Methodology¹:

☒ Connecticut Inland Wetlands and Watercourses

Municipal Upland Review Area: **Wetlands:** 80 feet **Watercourses:** 80 feet

The wetlands inspection was performed by²:



Matthew Gustafson, Registered Soil Scientist

Enclosures: Wetland Delineation Field Form & 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.³ 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.

¹ Wetlands and watercourses were delineated in accordance with applicable local, state and federal statutes, regulations and guidance.

² All established wetlands boundary lines are subject to change until officially adopted by local, state, or federal regulatory agencies.

³ APT has relied upon the accuracy of information provided by Langan Engineering and Environmental Services regarding the location and limits of the Study Area for the purposes of identifying wetlands and watercourses.

Attachments

- Wetland Delineation Field Form
- Wetland Inspection Map

Wetland Delineation Field Form

Wetland I.D.:	Wetland 1	
Flag #'s:	WF 1-20 to 1-30 and 1-50 to 1-53	
Flag Location Method:	Site Sketch <input checked="" type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>

WETLAND HYDROLOGY:

NONTIDAL ☒

Intermittently Flooded <input checked="" 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 primarily an intermittent watercourse resource.		

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 checked="" 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: The watercourse consists of a well incised channel with a cobble/sandy bottom. Stream bed is marked by evidence of scour indicative of stormwater inputs. The 5- to 8-feet wide streambed generally lacks meanders but does contain some pockets of riffle/pool structure. Depths of water range from 2- to 3-inches in a majority of areas with pools up to 1-foot in depth at the time of inspection.		

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"/>
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DOMINANT PLANTS:

Norway Maple* (<i>Acer platanoides</i>)	Red Maple (<i>Acer rubrum</i>)
Jewelweed (<i>Impatiens capensis</i>)	Silky Dogwood (<i>Cornus amomum</i>)
Multiflora Rose* (<i>Rosa multiflora</i>)	Japanese Knotweed* (<i>Polygonum cuspidatum</i>)
Poison Ivy (<i>Toxicodendron radicans</i>)	Asiatic Bittersweet* (<i>Celastrus orbiculatus</i>)
Elderberry (<i>Sambucus canadensis</i>)	Box Elder (<i>Acer negundo</i>)
Eastern Cottonwood (<i>Populus deltoides</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

GENERAL COMMENTS:

All-Points Technology Corp., P.C. ("APT") understands that a portion of the existing retail building located at Evergreen Walk is proposed for renovation into a school. The retail building is located just south of an intermittent stream corridor identified as Wetland 1 (wetland flags WF 1-20 to 1-30 and 1-50 to 1-53).

Wetland 1 consists of a channelized intermittent watercourse that has been modified through anthropogenic (man-made) changes. The east to west flowing watercourse consists of steep fill embankments surrounded by commercial retail development. This watercourse is crossed in three locations by Evergreen Way, Cottonwood Lane and Tamarack Avenue associated with Evergreen Walk, which all contain natural streambed bottoms at each road span. The majority of this resource is dominated by mature hardwood forest with edge areas adjacent to the watercourse crossings dominated by scrub/shrub cover. This stream is well incised with narrow bordering wetland areas that experience intermittent flooding due mainly from stormwater inputs and seasonal seepage.

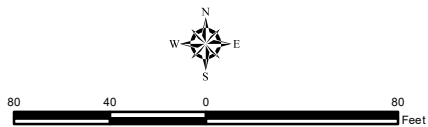
The proposed school would not directly impact wetland or watercourse resources but would be located within the 80-foot upland review area regulated by the Town of South Windsor Inland Wetlands Agency, thereby requiring a wetland permit for the regulated activities.



Legend

- Project Area
- Approximate Wetland Area
- Wetland Flag
- 80-Foot Upland Review Area
- Delineated Wetland Boundary
- Approximate Wetland Boundary

Map Notes:
 Base Map Source: 2019 CT Aerial Imagery (CTECO)
 Map Scale: 1 inch = 80 feet
 Map Date: July 2021



Wetland Inspection Map

Proposed School Renovation
 528 Evergreen Way Building 600
 South Windsor, Connecticut

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