

# APPENDIX A:

## CTDEEP Inland Wetlands Reporting Form



GIS CODE #: \_\_\_\_\_  
For DEEP Use Only

79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

## Statewide Inland Wetlands & Watercourses Activity Reporting Form

*Please complete and mail this form in accordance with the instructions on pages 2 and 3 to:*

*DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3<sup>rd</sup> Floor, Hartford, CT 06106*

*Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.*

### PART I: Must Be Completed By The Inland Wetlands Agency

1. DATE ACTION WAS TAKEN: year: \_\_\_\_\_ month: \_\_\_\_\_
2. ACTION TAKEN (see instructions, only use one code): \_\_\_\_\_
3. WAS A PUBLIC HEARING HELD (check one)? yes ☐ no ☐
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:  
(print name) \_\_\_\_\_ (signature) \_\_\_\_\_

### PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

5. TOWN IN WHICH THE ACTION IS OCCURRING (print name): South Windsor  
does this project cross municipal boundaries (check one)? yes ☐ no ☒  
if yes, list the other town(s) in which the action is occurring (print name(s)): \_\_\_\_\_
6. LOCATION (see instructions for information): USGS quad name: Manchester or number: 38  
subregional drainage basin number: \_\_\_\_\_
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Evergreen Walk Lifestyle Center, LLC  
by POAG Shopping Centers, LLC
8. NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): Rehabilitation of 3 Culverts at Evergreen Walk  
briefly describe the action/project/activity (check and print information): temporary ☒ permanent ☐ description: \_\_\_\_\_  
Rehabilitation of 3 Culverts, paving roadway, patching sidewalks, painting existing galvanized culvert ends (rollers only), installing riprap at eroded channel embankments, and replacing undersized area drains that current do not have outlet treatments before entering wetlands.
9. ACTIVITY PURPOSE CODE (see instructions, only use one code): \_\_\_\_\_
10. ACTIVITY TYPE CODE(S) (see instructions for codes): \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
11. WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):  
wetlands: \_\_\_\_\_ acres open water body: \_\_\_\_\_ acres stream: \_\_\_\_\_ linear feet
12. UPLAND AREA ALTERED (must provide acres): \_\_\_\_\_ acres (within regulated buffer)
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0.00 acres

DATE RECEIVED:

### PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO



# APPENDIX B:

## Certified Soil Scientist

## Wetland Report

## WETLAND DELINEATION REPORT

**Project Name:** Evergreen Walk  
**Site Location:** South Windsor, Connecticut  
  
**Prepared For:** Alfred Benesch & Company  
**Contact:** David Caricchio  
120 Hebron Avenue, Floor 2, Glastonbury, CT 06033

**F&O Project No:** 2000481.N10  
**Project Description:** redevelopment in commercial area

**Date(s) of Investigation:** April 16, 2020

**Weather:** 50°F, Partly Cloudy

**Rainfall (last 24 hours):** 00.00 inches

### METHOD OF WETLAND/WATERCOURSE DELINEATION

**Delineation:** ☒ Connecticut Inland Wetlands & Watercourses (CGS 22a-36 to 22a-45)  
☒ U.S. Army Corps of Engineers  
☐ Tidal Wetlands

**Flag Number Sequence:** A100-A103, B200-B219, C300-C312, D400-D404

**Field Plotted:** ☐ Site sketch ☐ Aerial photograph ☒ GPS (sub-meter) located  
☐ Site mapping: Title of Site Map  
Sheet No.: Scale: Contours: n/a ft.

### METHOD OF UPLAND SOIL DELINEATION

☒ Field Delineated ☐ Field confirmed NRCS soil mapping

### FIELD INVESTIGATION METHOD

☒ Spade & Auger ☐ Deep test pit (backhoe) ☐ Other: \_\_\_\_\_

### SOIL CONDITIONS

☐ Dry ☒ Moist ☐ Wet ☐ Frozen (\_\_\_\_ in.) ☐ Snow cover (\_\_\_\_ in.)

*The wetland and watercourses were delineated in accordance with applicable local, state and federal statutes, regulations and guidance. Classification and mapping of soils on site were conducted in a manner consistent with the U.S. Department of Agriculture Soil Survey Manual (Soil Survey Staff, 1992). This delineation does not constitute an official wetland boundary until such time as it is accepted and approved by local, state or federal regulatory agencies.*

As Prepared By:



Michael Soares  
Registered Soil Scientist

## WETLAND DELINEATION REPORT

### REGULATORY CONTEXT

Inland wetlands and watercourses are regulated in the State of Connecticut by Connecticut General Statutes, Inland Wetlands and Watercourses Act, Chapter 440, sections 22a-36 to 22a-45. **Wetlands** are defined as “soil types designated as poorly drained, very poorly drained, alluvial, and floodplain by the National Cooperative Soils Survey.” **Watercourses** are defined as “rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private.” **Intermittent watercourses** are identified by “a defined permanent channel and bank and the occurrence of two or more of the following characteristics: (a) Evidence of scour or deposits of recent alluvium or detritus, (b) the presence of standing or flowing water for a duration longer than a particular storm incident, and (c) the presence of hydrophytic vegetation. “

Federal jurisdictional wetland boundaries are defined by 33 CFR 328-329. **Federal jurisdictional wetlands** are “those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.” Federal wetlands were delineated in accordance with the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (Version 2.0, January 2012). Activities occurring within Inland Waters and Wetlands within the State of Connecticut are subject to approval by the US Army Corps of Engineers, New England District.

### SUMMARY OF SOILS

#### **Wetland Soils**

**Aquents:** Poorly to very poorly drained soils formed in human transported material or on excavated (cut) landscapes. No development to incipient B-horizon typical. Evidence of aquic moisture regime found where saturation results in redoximorphic features in upper 20 inches. No soils classified as Aquents are mapped or were observed at the site.

**Aquepts:** Poorly to very poorly drained soils with an aquic moisture regime and showing some soil development in the B-horizon. No soils classified as Aquepts are mapped or were observed at the site. An unmapped Aquept, included in flag series A100-A103, was identified and delineated at the western end of the site. Soils were investigated and determined to qualify as Indicator F21.-Red Parent Material as defined by USDA-NRCS in *Field Indicators of Hydric Soils in the United States* (Version 8.2, 2018).

**Saprists:** Very poorly drained soils comprised primarily of organic materials occurring through 16 inches or greater of the surface soil horizon. These soils occur in areas where the ground water table tends to fluctuate within the soils or in areas where the soils were aerobic during drier periods in the past. No soils classified as Saprists are mapped or were observed at the site.

#### **Upland Soils**

**Udorthents:** Well drained to excessively drained soils that have been disturbed by cutting or filling, and areas that are typically covered by buildings and pavement. No soils classified as Udorthents are mapped or were observed at the site, but the site is surrounded by commercial development and related soil alterations and disturbances.

## **WETLAND DELINEATION REPORT**

Other upland soils mapped at the site include: Elmridge fine sandy loam (Map Unit 28), Tisbury silt loam (Map Unit 702), and Enfield silt loam (Map Unit 704).

### **SUMMARY OF WATERCOURSE AND HYDROLOGY**

The site contains a small, unnamed watercourse that flows westerly to Plum Gulley Brook. Hydrography mapping provided by the State of Connecticut via CT ECO (cteco.uconn.edu) defines the stream as intermittent; at the time of the field inspection, the stream was flowing and occupied the full width of the channel. The stream is incised and bound by steep banks that are frequently undercut. At the west end of the site, a small bordering wetland was identified and delineated (included in flag series A100-A103). It is presumed this wetland is less than 500 square feet in area (the western end of the wetland was outside the limit of the project area and therefore not delineated).

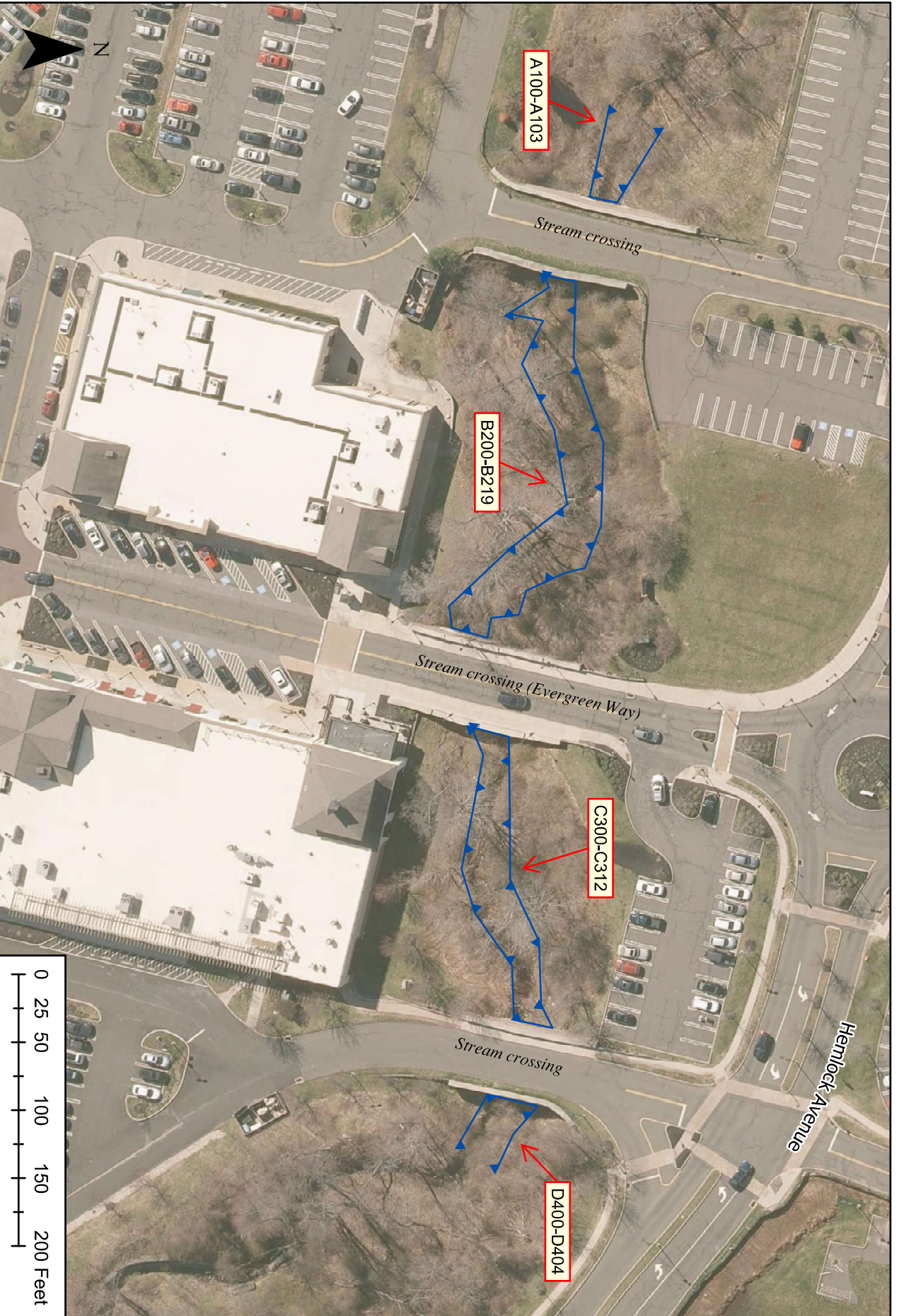
### **SUMMARY OF WETLAND FUNCTION & VALUES ASSESSMENT**

During the field inspection, an assessment was conducted using the procedure outlined in the U.S. Army Corps of Engineers "Highway Methodology Work Book: Supplement. Wetland Functions and Values: A Descriptive Approach" (1999, NAEPP-360-1-30a). This methodology is a descriptive approach and does not rely upon semi-quantitative numerical models to identify principal functions and values of wetlands and watercourses. Many of the criteria used as "considerations and qualifiers" are drawn directly from the U.S. Army Corps of Engineers methodology. However, other assessment methods were considered (e.g. Wisc. DNR, 1992, "Rapid Assessment Methodology for Evaluating Wetland Functions and Values." and Ammann, et al., 1996, "Method for the Evaluation of Inland Wetlands in Connecticut.") as well as professional experience.

The unnamed watercourse and bordering wetland on the site were assessed jointly (see Attachment *Function & Value Assessment Form*). The assessment found only Production Export as a secondary function of these resources.

### **ATTACHMENTS**

- Site Sketch
- NRCS Soil Drainage Class Mapping
- USACE Wetland Determination Data Form
- Function & Value Assessment Form
- Site Photographs



**Wetland Delineation Sketch Map**  
Evergreen Walk, South Windsor, CT  
Project #: 2000481.N10



























Flag series: A100-A103, B200-B219, C300-C312, D400-D404  
The field inspection was conducted and resources delineated on  
April 16, 2020 by Michael Soares, RSS (Fuss & O'Neill, Inc.).



Drainage Class—State of Connecticut  
(Evergreen Walk (S. Windsor, CT))



## MAP LEGEND

<b>Area of Interest (AOI)</b>	
	Area of Interest (AOI)
<b>Soils</b>	
<b>Soil Rating Polygons</b>	
	Excessively drained
	Somewhat excessively drained
	Well drained
	Moderately well drained
	Somewhat poorly drained
	Poorly drained
	Very poorly drained
	Subaqueous
	Not rated or not available
<b>Soil Rating Lines</b>	
	Excessively drained
	Somewhat excessively drained
	Well drained
	Moderately well drained
	Somewhat poorly drained
	Poorly drained
	Very poorly drained
	Subaqueous
	Not rated or not available
<b>Water Features</b>	
	Streams and Canals
<b>Transportation</b>	
	Rails
	Interstate Highways
	US Routes
	Major Roads
	Local Roads
<b>Background</b>	
	Aerial Photography
<b>Soil Rating Points</b>	

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut  
Survey Area Data: Version 19, Sep 13, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 15, 2019—Aug 29, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Drainage Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
28A	Elmridge fine sandy loam, 0 to 3 percent slopes	Moderately well drained	0.2	3.3%
66B	Narragansett silt loam, 2 to 8 percent slopes	Well drained	0.0	0.6%
702A	Tisbury silt loam, 0 to 3 percent slopes	Moderately well drained	1.4	30.4%
704B	Enfield silt loam, 3 to 8 percent slopes	Well drained	3.1	65.8%
<b>Totals for Area of Interest</b>			<b>4.7</b>	<b>100.0%</b>

## Description

"Drainage class (natural)" refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized-excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained. These classes are defined in the "Soil Survey Manual."

## Rating Options

*Aggregation Method:* Dominant Condition

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.



The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

*Component Percent Cutoff: None Specified*

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

*Tie-break Rule: Higher*

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Evergreen Walk City/County: South Windsor Sampling Date: 04/16/2020  
 Applicant/Owner: Alfred Benesch & Company State: CT Sampling Point: AW1  
 Investigator(s): Michael Soares Section, Township, Range: Hartford County  
 Landform (hillside, terrace, etc.): terrace Local relief (concave, convex, none): level Slope (%): 0  
 Subregion (LRR or MLRA): LRR R, MLRA 145 Lat: 41.813907 Long: -72.556968 Datum: Plane  
 Soil Map Unit Name: Enfeld silt loam (Map Unit 704) NWI classification: n/a

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation     , Soil     , or Hydrology      significantly disturbed? Are "Normal Circumstances" present? Yes X No       
 Are Vegetation     , Soil     , or Hydrology      naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <u>X</u> No <u>    </u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No <u>    </u> If yes, optional Wetland Site ID: <u>    </u>
Hydric Soil Present?	Yes <u>X</u> No <u>    </u>	
Wetland Hydrology Present?	Yes <u>X</u> No <u>    </u>	
Remarks: (Explain alternative procedures here or in a separate report.)		

## HYDROLOGY

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u> <u>    </u> Surface Water (A1) <u>X</u> Water-Stained Leaves (B9) <u>X</u> High Water Table (A2) <u>    </u> Aquatic Fauna (B13) <u>X</u> Saturation (A3) <u>    </u> Marl Deposits (B15) <u>    </u> Water Marks (B1) <u>    </u> Hydrogen Sulfide Odor (C1) <u>X</u> Sediment Deposits (B2) <u>    </u> Oxidized Rhizospheres on Living Roots (C3) <u>    </u> Drift Deposits (B3) <u>    </u> Presence of Reduced Iron (C4) <u>    </u> Algal Mat or Crust (B4) <u>    </u> Recent Iron Reduction in Tilled Soils (C6) <u>    </u> Iron Deposits (B5) <u>    </u> Thin Muck Surface (C7) <u>    </u> Inundation Visible on Aerial Imagery (B7) <u>    </u> Other (Explain in Remarks) <u>    </u> Sparsely Vegetated Concave Surface (B8)		<u>Secondary Indicators (minimum of two required)</u> <u>    </u> Surface Soil Cracks (B6) <u>X</u> Drainage Patterns (B10) <u>    </u> Moss Trim Lines (B16) <u>    </u> Dry-Season Water Table (C2) <u>    </u> Crayfish Burrows (C8) <u>    </u> Saturation Visible on Aerial Imagery (C9) <u>    </u> Stunted or Stressed Plants (D1) <u>X</u> Geomorphic Position (D2) <u>    </u> Shallow Aquitard (D3) <u>    </u> Microtopographic Relief (D4) <u>X</u> FAC-Neutral Test (D5)
<b>Field Observations:</b> Surface Water Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Water Table Present? Yes <u>X</u> No <u>    </u> Depth (inches): <u>7</u> Saturation Present? Yes <u>X</u> No <u>    </u> Depth (inches): <u>5</u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <u>X</u> No <u>    </u>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

**VEGETATION – Use scientific names of plants.**

 Sampling Point: AW1

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Acer rubrum</u>	60	Yes	FAC	<b>Dominance Test worksheet:</b>  Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)  Total Number of Dominant Species Across All Strata: <u>9</u> (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: <u>55.6%</u> (A/B)																
2. <u>Salix nigra</u>	25	Yes	OBL																	
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	85	=Total Cover		<b>Prevalence Index worksheet:</b>  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%; text-align: left;">Total % Cover of:</th> <th style="width: 60%; text-align: left;">Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>30</u></td> <td>x 1 = <u>30</u></td> </tr> <tr> <td>FACW species <u>10</u></td> <td>x 2 = <u>20</u></td> </tr> <tr> <td>FAC species <u>60</u></td> <td>x 3 = <u>180</u></td> </tr> <tr> <td>FACU species <u>52</u></td> <td>x 4 = <u>208</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>152</u></td> <td>(A) <u>438</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.88</u></td> </tr> </tbody> </table>	Total % Cover of:	Multiply by:	OBL species <u>30</u>	x 1 = <u>30</u>	FACW species <u>10</u>	x 2 = <u>20</u>	FAC species <u>60</u>	x 3 = <u>180</u>	FACU species <u>52</u>	x 4 = <u>208</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>152</u>	(A) <u>438</u> (B)	Prevalence Index = B/A = <u>2.88</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>30</u>	x 1 = <u>30</u>																			
FACW species <u>10</u>	x 2 = <u>20</u>																			
FAC species <u>60</u>	x 3 = <u>180</u>																			
FACU species <u>52</u>	x 4 = <u>208</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>152</u>	(A) <u>438</u> (B)																			
Prevalence Index = B/A = <u>2.88</u>																				
<b>Sapling/Shrub Stratum</b> (Plot size: _____)																				
1. <u>Rosa multiflora</u>	15	Yes	FACU																	
2. <u>Sambucus nigra</u>	5	Yes	FACW																	
3. <u>Rhus hirta</u>	5	Yes																		
4. <u>Salix discolor</u>	5	Yes	FACW																	
5. _____																				
6. _____																				
7. _____																				
	30	=Total Cover		<b>Hydrophytic Vegetation Indicators:</b> <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</u> 3 - Prevalence Index is ≤3.0 <sup>1</sup> <u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
<b>Herb Stratum</b> (Plot size: _____)																				
1. <u>Fallopia japonica</u>	7	Yes	FACU																	
2. <u>Symplocarpus foetidus</u>	5	Yes	OBL																	
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
8. _____																				
9. _____																				
10. _____																				
11. _____																				
12. _____																				
	12	=Total Cover		<b>Definitions of Vegetation Strata:</b>  <b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  <b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  <b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  <b>Woody vines</b> – All woody vines greater than 3.28 ft in height.																
<b>Woody Vine Stratum</b> (Plot size: _____)																				
1. <u>Vitis labrusca</u>	30	Yes	FACU																	
2. _____																				
3. _____																				
4. _____																				
	30	=Total Cover																		

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: AW1

[illegible]

Project/Site: Evergreen Walk City/County: South Windsor Sampling Date: 04/16/2020  
Applicant/Owner: Alfred Benesch & Company State: CT Sampling Point: UPL1  
Investigator(s): Michael Soares Section, Township, Range: Hartford County  
Landform (hillside, terrace, etc.): top of bank Local relief (concave, convex, none): slope Slope (%): 5  
Subregion (LRR or MLRA): LRR R, MLRA 145 Lat: 41.81400 Long: -72.55612 Datum: Plane  
Soil Map Unit Name: Enfeld silt loam (Map Unit 704) NWI classification: n/a

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	Yes _____	No <u>X</u>	<b>Is the Sampled Area within a Wetland?</b> Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	Yes _____	No <u>X</u>	
Wetland Hydrology Present?	Yes _____	No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.)			

<b>Wetland Hydrology Indicators:</b> Primary Indicators (minimum of one is required; check all that apply)		<b>Secondary Indicators (minimum of two required)</b>	
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)	
<b>Field Observations:</b> Surface Water Present?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)		<b>Wetland Hydrology Present?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks: Significant disturbance to vegetation and soils is related to historic commercial development of surrounding area.			

Sampling Point: UPL1

Tree Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Acer rubrum</i>	20	Yes	FAC
2.				
3.				
4.				
5.				
6.				
7.				
		20	=Total Cover	
Sapling/Shrub Stratum (Plot size: _____)				
1.	<i>Rosa multiflora</i>	40	Yes	FACU
2.	<i>Rhus hirta</i>	10	Yes	--
3.				
4.				
5.				
6.				
7.				
		50	=Total Cover	
Herb Stratum (Plot size: _____)				
1.	<i>Fallopia japonica</i>	5	No	FACU
2.	<i>Solidago rugosa</i>	5	No	FAC
3.	<i>Landscaped turfgrass</i>	50	Yes	UPL
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		60	=Total Cover	
Woody Vine Stratum (Plot size: _____)				
1.	<i>Celastrus orbiculatus</i>	10	Yes	UPL
2.				
3.				
4.				
		10	=Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: \_\_\_\_\_ 1 (A)

Total Number of Dominant Species Across All Strata: \_\_\_\_\_ 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: \_\_\_\_\_ 20.0% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:
OBL species _____ 0	x 1 = _____ 0
FACW species _____ 0	x 2 = _____ 0
FAC species _____ 25	x 3 = _____ 75
FACU species _____ 45	x 4 = _____ 180
UPL species _____ 60	x 5 = _____ 300
Column Totals: _____ 130 (A)	_____ 555 (B)
Prevalence Index = B/A = _____ 4.27	

**Hydrophytic Vegetation Indicators:**

\_\_\_\_\_ 1 - Rapid Test for Hydrophytic Vegetation

\_\_\_\_\_ 2 - Dominance Test is >50%

\_\_\_\_\_ 3 - Prevalence Index is ≤3.0<sup>1</sup>

\_\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?** Yes \_\_\_\_\_ No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

Sampling Point: UPL1

[illegible]



## WETLAND FUNCTION & VALUE ASSESSMENT FIELD FORM

This form has been developed to streamline the function and value assessment process of wetlands and watercourses in the field. The form has largely been developed using the procedure outlined in the U.S. Army Corps of Engineers "Highway Methodology Work Book: Supplement. Wetland Functions and Values: A Descriptive Approach" (1999, NAEPP-360-1-30a). This methodology is a descriptive approach and does not rely upon semi-quantitative numerical models to identify principal functions and values of wetlands and watercourse.

Many of the criteria used as "considerations and qualifiers" are drawn directly from the U.S. Army Corps of Engineers methodology. However, other assessment methods were considered (e.g. Wisc. DNR, 1992, "Rapid Assessment Methodology for Evaluating Wetland functions and Values." and Ammann, et al., 1996, "Method for the Evaluation of Inland Wetlands in Connecticut.") as well professional experience. Each criteria listed is an indicator of that function or value. An affirmative response, therefore, supports the assumptions of a given function or value. Generally, a majority of affirmative responses will indicate that the given function or value is a "principal" function or value. However, the criteria are not weighted and thus it is incumbent upon the inspector to use his or her best professional judgment when identify "principal" functions or values.

### **Groundwater Recharge & Discharge**

The capacity or potential for a wetland to interact with groundwater such that water moves from surface water to ground water (Recharge) or from ground water to surface water (Discharge).

### **Floodflow Alteration**

The storage of inflowing water from storm or flooding events, resulting in detention and retention of water on the wetland surface.

### **Finfish Habitat (Ponds & Lakes)**

Considers the quality of the aquatic habitat of a pond or lake, and its capacity to support finfish.

### **Finfish Habitat (Streams & Rivers)**

Considers the quality of the aquatic habitat of a perennial watercourse, and its capacity to support finfish.

### **Sediment, Pollutant & Nutrient Removal**

The capacity of a wetland to remove dissolved, suspended and floatable material from storm water runoff and prevents degradation of water quality.

### **Production Export**

The capacity of a wetland to produce wildlife food sources, or to export biomass that sustains downstream ecosystems and local wildlife populations.

### **Wildlife Habitat**

The capacity of a wetland to support a diverse and abundant wildlife community typically associated with wetland and wetland edges.

### **Educational, Scientific & Recreation Value**

The suitability of a wetland for classroom field trips or scientific research, or to support various recreation activities (e.g., hiking, canoeing, boating, fishing, hunting, bird watching).

### **Uniqueness & Heritage**

The degree to which a wetland is considered a locally or regionally unique natural resource.





Project Name: Evergreen Walk Project #: 2000418.N10  
Wetland Assessment Area: inland wetland bordering tributary to Plum Gulley Brook  
Date: 04/16/2020 Weather: 50°F, partly cloudy Photographs Taken? ☒ Yes / No

**GROUNDWATER RECHARGE****Considerations/Qualifiers**

	Yes	No
Wetland is underlain by stratified drift, gravel or sandy soils.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is <u>not</u> underlain by hardpan, impervious soils (e.g., clays and silts) or bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is associated with a perennial or intermittent watercourse	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland formed on relatively gentle slopes (e.g., less than 3%)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland is associated with a watercourse but lacks a defined outlet or contains a constricted outlet	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of groundwater recharge is present (i.e., local water supplies, piezometer data, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**GROUNDWATER DISCHARGE****Considerations/Qualifiers**

	Yes	No
Wetland is <u>not</u> underlain by stratified drift, gravel or sandy soils.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland is underlain by hardpan; impervious, tight grained soils (high clay and/or silt content); or bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland formed as a result of seeps or springs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland shows strong signs of variable water levels (e.g., well developed microtopography)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is associated with a watercourse and contains only an outlet, no defined inlet	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of groundwater discharge are present (i.e., water temperature, piezometer data, etc.)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:



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### FLOODFLOW ALTERATION

#### Considerations/Qualifiers

	Yes	No
Area of this wetland is large relative to its watershed	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland occurs in the upper portions of its watershed and the effective flood storage is small or non-existent upslope of or above the wetland	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland watershed contains a high percent of impervious surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland shows strong signs of variable water levels (e.g., well developed microtopography) or ponding (e.g. sediment deposits or lines)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland formed on relatively gentle slopes (e.g., less than 3%).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland located in a floodplain of an adjacent watercourse.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland has a constricted outlet.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland contains hydric soils which are able to absorb and detain water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Watershed has a history of economic loss due to flooding.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Associated watercourse, if present, is sinuous or diffuse.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of floodflow alteration (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

### SEDIMENT, POLLUTANT & NUTRIENT REMOVAL

#### Considerations/Qualifiers

	Yes	No
Wetland saturated for most of the season.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ponded water (including deep water or open water habitat) is present in the wetland.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland edge is broad and intermittently aerobic.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Deep organic/sediment deposits are present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Slowly drained fine grained mineral or organic soils are present.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alluvial soils present in or immediately adjacent to wetland.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland formed on relatively gentle slopes (e.g., less than 3%).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water retention/detention time in this wetland is increased by constricted outlet.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Water retention/detention time in this wetland is increased by thick vegetation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent vegetation and/or dense woody stems are dominant.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland shows strong signs of variable water levels (e.g., well developed microtopography)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of sediment, pollutant and nutrient removal (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:



Project Name: Evergreen Walk Project #: 2000418.N10  
 Wetland Assessment Area: inland wetland bordering tributary to Plum Gulley Brook  
 Date: 04/16/2020 Weather: 50°F, partly cloudy Photographs Taken? **Yes** / No

**FISH AND SHELLFISH HABITAT (PONDS & LAKES)****N/A****Considerations/Qualifiers**

	Yes	No
Land use adjacent to pond or lake dominated by forest, shrub and/or meadow community	<input type="checkbox"/>	<input type="checkbox"/>
Shallow littoral zone with emergent vegetation present	<input type="checkbox"/>	<input type="checkbox"/>
Pond or lake is at least 10 feet deep	<input type="checkbox"/>	<input type="checkbox"/>
Pond or lake is covered by more than 15 but less than 40 percent submerged or emergent vegetation	<input type="checkbox"/>	<input type="checkbox"/>
Direct stormwater discharge(s) are few to none and, if present, originate from smaller culverts/outfalls	<input type="checkbox"/>	<input type="checkbox"/>
Sand bars or evidence of stormwater runoff at inlet is absent	<input type="checkbox"/>	<input type="checkbox"/>
Water transparency is high	<input type="checkbox"/>	<input type="checkbox"/>
Significant sources of nutrient sources (e.g. fertilizers, over-abundant waterfowl) are absent	<input type="checkbox"/>	<input type="checkbox"/>
Pond or lake is greater than 0.5 acre	<input type="checkbox"/>	<input type="checkbox"/>
Dense algal blooms, nuisance aquatic vegetation or duckweed are not or have not historically been observed	<input type="checkbox"/>	<input type="checkbox"/>
Other evidence of finfish habitat (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**FISH AND SHELLFISH HABITAT (STREAMS & RIVERS)****Considerations/Qualifiers**

	Yes	No
Land use adjacent to stream or river dominated by forest, shrub and/or meadow community	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Channel is shaded by riparian trees or shrubs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank is predominantly vegetated with high cover (e.g. trees and shrubs)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Barriers to anadromous fish (i.e. dams, including beaver dams, waterfalls, road crossings, etc.) are absent from the stream reach associated with this wetland.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dominant bottom substrate is gravel and/or cobbles	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bottom substrate is embedded with minimal sand and silt	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diversity of instream habitat (e.g. riffles, runs, shallow pools and deep pools) is high	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Channel alteration (i.e. channelization, islands, point bars, etc.) are few to absent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank is stabilized; Little to no evidence of scour or erosion is present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Stream or river contains common to many cover objects (i.e. fallen logs, boulders, undercut banks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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 Date: 04/16/2020 Weather: 50°F, partly cloudy Photographs Taken? Yes / No

**FISH AND SHELLFISH HABITAT (STREAMS & RIVERS) (cont'd)**

Stream or river is predominantly buffered from other land uses by a vegetated zone greater than 20 feet in width ☐ ☒

Direct stormwater discharge(s) are few to none, and, if present, originate from smaller culverts/outfalls ☒ ☐

Sand bars or evidence of stormwater runoff at inlet is absent ☒ ☐

Significant sources of nutrient sources (e.g. fertilizers, over-abundant waterfowl) are absent ☐ ☒

Quality of the watercourse associated with this wetland is able to support healthy fish/shellfish ☐ ☒

Other evidence of finfish habitat (Explain below) ☐ ☐

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**PRODUCTION EXPORT**

Considerations/Qualifiers	Yes	No
Wildlife food sources growing within this wetland are abundant and diverse.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent vegetation and/or dense woody stems are dominant.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland exhibits high degree of plant community structure/species diversity	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Evidence of wildlife use found within this wetland.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fish or shellfish develop or occur in this wetland.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nutrients exported or "flushed" from wetlands to watercourses (permanent outlet present).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other evidence of production export (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☒ **SECONDARY FUNCTION?**

Comments:

**WILDLIFE HABITAT**

Considerations/Qualifiers	Yes	No
Wetland is not degraded or fragmented by human activity.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wildlife overland access to other wetlands is present and relatively unfragmented or unimpeded.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
More than 40% of this wetland edge is bordered by upland wildlife habitat (e.g., shrub thicket, woodland, farmland, or idle land) at least 500 feet in width.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is contiguous with other wetland systems connected by a watercourse or lake.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water quality of the watercourse, pond, or lake associated with this wetland meets or exceeds Class A or B standards.	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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**WILDLIFE HABITAT** (cont'd)

Dominant wetland class includes deep or shallow marsh or wooded swamp.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wildlife food sources growing within this wetland are abundant and diverse.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland exhibits a high degree of interspersed of vegetation classes (e.g. forest, shrub, emergent marsh, wet meadow, open water).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Two or more islands or inclusions of upland within the wetland are present.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland exhibits a high degree of diversity in plant community structure (e.g., tree/shrub/vine/grasses/mosses).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland or watercourse contains numerous and diverse habitat features (e.g., snags, downed woody debris, rocks, seeps/springs, well drained sandy soils).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of obligate or facultative vernal pool species have been observed in or near the wetland.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland shows strong signs of variable water levels (e.g., well developed microtopography).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dominant vegetation cover type is not composed of invasive or noxious species.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence wildlife habitat (Explain below).	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**EDUCATIONAL, SCIENTIFIC & RECREATION VALUE**

<b>Considerations/Qualifiers</b>	<b>Yes</b>	<b>No</b>
Wetland contains state or federal listed species.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wildlife habitat is a principal function of the wetland	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Direct access is available to a perennial watercourse (e.g., stream pond or lake)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is part of a recreation area, park, forest, or refuge.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hunting and/or fishing is available within or from the wetland.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hiking occurs or has the potential to occur in the wetland	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Off-road public parking available at or near the wetland or watercourse.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland is within a short drive or safe walk from highly populated public and private areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland currently used for educational or scientific purposes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Access to water is available at this potential recreation site for boating, canoeing, or fishing.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
No known safety hazards exist (If not, explain below).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence educational, scientific or recreation value (Explain below).	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments: *Safety hazards include high, steep banks and difficult access to the wetland and watercourse.*



Project Name: Evergreen Walk Project #: 2000418.N10  
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**UNIQUENESS & HERITAGE VALUE****Considerations/Qualifiers**

	Yes	No
Wetland contains state or federal listed species.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland identified as a whole or in part as an exemplary natural community (Explain below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland considered a locally and/or regionally significant (Explain below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of uniqueness or heritage values (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**SUMMARY OF FUNCTIONS & VALUES**

Function/Value	Principal Function	Secondary Function
Groundwater Recharge & Discharge	-	-
Floodflow Alteration	-	-
Sediment, Pollutant & Nutrient Removal	-	-
Finfish Habitat (Ponds & Lakes)	-	-
Finfish Habitat (Streams & Rivers)	-	-
Production Export	-	X
Wildlife Habitat	-	-
Educational, Scientific & Recreation Value	-	-
Uniqueness & Heritage	-	-

**MISCELLANEOUS NOTES & COMMENTS:**



## WETLAND FUNCTION & VALUE ASSESSMENT FIELD FORM

This form has been developed to streamline the function and value assessment process of wetlands and watercourses in the field. The form has largely been developed using the procedure outlined in the U.S. Army Corps of Engineers "Highway Methodology Work Book: Supplement. Wetland Functions and Values: A Descriptive Approach" (1999, NAEPP-360-1-30a). This methodology is a descriptive approach and does not rely upon semi-quantitative numerical models to identify principal functions and values of wetlands and watercourse.

Many of the criteria used as "considerations and qualifiers" are drawn directly from the U.S. Army Corps of Engineers methodology. However, other assessment methods were considered (e.g. Wisc. DNR, 1992, "Rapid Assessment Methodology for Evaluating Wetland functions and Values." and Ammann, et al., 1996, "Method for the Evaluation of Inland Wetlands in Connecticut.") as well professional experience. Each criteria listed is an indicator of that function or value. An affirmative response, therefore, supports the assumptions of a given function or value. Generally, a majority of affirmative responses will indicate that the given function or value is a "principal" function or value. However, the criteria are not weighted and thus it is incumbent upon the inspector to use his or her best professional judgment when identify "principal" functions or values.

### **Groundwater Recharge & Discharge**

The capacity or potential for a wetland to interact with groundwater such that water moves from surface water to ground water (Recharge) or from ground water to surface water (Discharge).

### **Floodflow Alteration**

The storage of inflowing water from storm or flooding events, resulting in detention and retention of water on the wetland surface.

### **Finfish Habitat (Ponds & Lakes)**

Considers the quality of the aquatic habitat of a pond or lake, and its capacity to support finfish.

### **Finfish Habitat (Streams & Rivers)**

Considers the quality of the aquatic habitat of a perennial watercourse, and its capacity to support finfish.

### **Sediment, Pollutant & Nutrient Removal**

The capacity of a wetland to remove dissolved, suspended and floatable material from storm water runoff and prevents degradation of water quality.

### **Production Export**

The capacity of a wetland to produce wildlife food sources, or to export biomass that sustains downstream ecosystems and local wildlife populations.

### **Wildlife Habitat**

The capacity of a wetland to support a diverse and abundant wildlife community typically associated with wetland and wetland edges.

### **Educational, Scientific & Recreation Value**

The suitability of a wetland for classroom field trips or scientific research, or to support various recreation activities (e.g., hiking, canoeing, boating, fishing, hunting, bird watching).

### **Uniqueness & Heritage**

The degree to which a wetland is considered a locally or regionally unique natural resource.



Project Name: Evergreen Walk Project #: 2000418.N10  
 Wetland Assessment Area: inland wetland bordering tributary to Plum Gulley Brook  
 Date: 04/16/2020 Weather: 50°F, partly cloudy Photographs Taken? ☒ Yes / No

**GROUNDWATER RECHARGE****Considerations/Qualifiers**

	Yes	No
Wetland is underlain by stratified drift, gravel or sandy soils.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is <u>not</u> underlain by hardpan, impervious soils (e.g., clays and silts) or bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is associated with a perennial or intermittent watercourse	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland formed on relatively gentle slopes (e.g., less than 3%)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland is associated with a watercourse but lacks a defined outlet or contains a constricted outlet	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of groundwater recharge is present (i.e., local water supplies, piezometer data, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**GROUNDWATER DISCHARGE****Considerations/Qualifiers**

	Yes	No
Wetland is <u>not</u> underlain by stratified drift, gravel or sandy soils.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland is underlain by hardpan; impervious, tight grained soils (high clay and/or silt content); or bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland formed as a result of seeps or springs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland shows strong signs of variable water levels (e.g., well developed microtopography)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is associated with a watercourse and contains only an outlet, no defined inlet	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of groundwater discharge are present (i.e., water temperature, piezometer data, etc.)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:





Project Name: Evergreen Walk Project #: 2000418.N10  
 Wetland Assessment Area: inland wetland bordering tributary to Plum Gulley Brook  
 Date: 04/16/2020 Weather: 50°F, partly cloudy Photographs Taken? **Yes** / No

### FLOODFLOW ALTERATION

#### Considerations/Qualifiers

	Yes	No
Area of this wetland is large relative to its watershed	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland occurs in the upper portions of its watershed and the effective flood storage is small or non-existent upslope of or above the wetland	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland watershed contains a high percent of impervious surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland shows strong signs of variable water levels (e.g., well developed microtopography) or ponding (e.g. sediment deposits or lines)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland formed on relatively gentle slopes (e.g., less than 3%).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland located in a floodplain of an adjacent watercourse.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland has a constricted outlet.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland contains hydric soils which are able to absorb and detain water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Watershed has a history of economic loss due to flooding.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Associated watercourse, if present, is sinuous or diffuse.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of floodflow alteration (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

### SEDIMENT, POLLUTANT & NUTRIENT REMOVAL

#### Considerations/Qualifiers

	Yes	No
Wetland saturated for most of the season.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ponded water (including deep water or open water habitat) is present in the wetland.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland edge is broad and intermittently aerobic.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Deep organic/sediment deposits are present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Slowly drained fine grained mineral or organic soils are present.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alluvial soils present in or immediately adjacent to wetland.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland formed on relatively gentle slopes (e.g., less than 3%).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water retention/detention time in this wetland is increased by constricted outlet.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Water retention/detention time in this wetland is increased by thick vegetation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent vegetation and/or dense woody stems are dominant.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland shows strong signs of variable water levels (e.g., well developed microtopography)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of sediment, pollutant and nutrient removal (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:



Project Name: Evergreen Walk Project #: 2000418.N10  
 Wetland Assessment Area: inland wetland bordering tributary to Plum Gulley Brook  
 Date: 04/16/2020 Weather: 50°F, partly cloudy Photographs Taken? **Yes** / No

**FISH AND SHELLFISH HABITAT (PONDS & LAKES)****N/A****Considerations/Qualifiers**

	<b>Yes</b>	<b>No</b>
Land use adjacent to pond or lake dominated by forest, shrub and/or meadow community	<input type="checkbox"/>	<input type="checkbox"/>
Shallow littoral zone with emergent vegetation present	<input type="checkbox"/>	<input type="checkbox"/>
Pond or lake is at least 10 feet deep	<input type="checkbox"/>	<input type="checkbox"/>
Pond or lake is covered by more than 15 but less than 40 percent submersed or emergent vegetation	<input type="checkbox"/>	<input type="checkbox"/>
Direct stormwater discharge(s) are few to none and, if present, originate from smaller culverts/outfalls	<input type="checkbox"/>	<input type="checkbox"/>
Sand bars or evidence of stormwater runoff at inlet is absent	<input type="checkbox"/>	<input type="checkbox"/>
Water transparency is high	<input type="checkbox"/>	<input type="checkbox"/>
Significant sources of nutrient sources (e.g. fertilizers, over-abundant waterfowl) are absent	<input type="checkbox"/>	<input type="checkbox"/>
Pond or lake is greater than 0.5 acre	<input type="checkbox"/>	<input type="checkbox"/>
Dense algal blooms, nuisance aquatic vegetation or duckweed are not or have not historically been observed	<input type="checkbox"/>	<input type="checkbox"/>
Other evidence of finfish habitat (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**FISH AND SHELLFISH HABITAT (STREAMS & RIVERS)****Considerations/Qualifiers**

	<b>Yes</b>	<b>No</b>
Land use adjacent to stream or river dominated by forest, shrub and/or meadow community	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Channel is shaded by riparian trees or shrubs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank is predominantly vegetated with high cover (e.g. trees and shrubs)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Barriers to anadromous fish (i.e. dams, including beaver dams, waterfalls, road crossings, etc.) are absent from the stream reach associated with this wetland.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dominant bottom substrate is gravel and/or cobbles	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bottom substrate is embedded with minimal sand and silt	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diversity of instream habitat (e.g. riffles, runs, shallow pools and deep pools) is high	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Channel alteration (i.e. channelization, islands, point bars, etc.) are few to absent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank is stabilized; Little to no evidence of scour or erosion is present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Stream or river contains common to many cover objects (i.e. fallen logs, boulders, undercut banks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Project Name: Evergreen Walk Project #: 2000418.N10  
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**FISH AND SHELLFISH HABITAT (STREAMS & RIVERS) (cont'd)**

Stream or river is predominantly buffered from other land uses by a vegetated zone greater than 20 feet in width	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Direct stormwater discharge(s) are few to none, and, if present, originate from smaller culverts/outfalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sand bars or evidence of stormwater runoff at inlet is absent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Significant sources of nutrient sources (e.g. fertilizers, over-abundant waterfowl) are absent	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Quality of the watercourse associated with this wetland is able to support healthy fish/shellfish	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of finfish habitat (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**PRODUCTION EXPORT**

Considerations/Qualifiers	Yes	No
Wildlife food sources growing within this wetland are abundant and diverse.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent vegetation and/or dense woody stems are dominant.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland exhibits high degree of plant community structure/species diversity	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Evidence of wildlife use found within this wetland.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fish or shellfish develop or occur in this wetland.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nutrients exported or "flushed" from wetlands to watercourses (permanent outlet present).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other evidence of production export (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☒ **SECONDARY FUNCTION?**

Comments:

**WILDLIFE HABITAT**

Considerations/Qualifiers	Yes	No
Wetland is not degraded or fragmented by human activity.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wildlife overland access to other wetlands is present and relatively unfragmented or unimpeded.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
More than 40% of this wetland edge is bordered by upland wildlife habitat (e.g., shrub thicket, woodland, farmland, or idle land) at least 500 feet in width.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is contiguous with other wetland systems connected by a watercourse or lake.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water quality of the watercourse, pond, or lake associated with this wetland meets or exceeds Class A or B standards.	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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**WILDLIFE HABITAT** (cont'd)

Dominant wetland class includes deep or shallow marsh or wooded swamp.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wildlife food sources growing within this wetland are abundant and diverse.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland exhibits a high degree of interspersed of vegetation classes (e.g. forest, shrub, emergent marsh, wet meadow, open water).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Two or more islands or inclusions of upland within the wetland are present.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland exhibits a high degree of diversity in plant community structure (e.g., tree/shrub/vine/grasses/mosses).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland or watercourse contains numerous and diverse habitat features (e.g., snags, downed woody debris, rocks, seeps/springs, well drained sandy soils).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of obligate or facultative vernal pool species have been observed in or near the wetland.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland shows strong signs of variable water levels (e.g., well developed microtopography).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dominant vegetation cover type is not composed of invasive or noxious species.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence wildlife habitat (Explain below).	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**EDUCATIONAL, SCIENTIFIC & RECREATION VALUE**

<b>Considerations/Qualifiers</b>	<b>Yes</b>	<b>No</b>
Wetland contains state or federal listed species.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wildlife habitat is a principal function of the wetland	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Direct access is available to a perennial watercourse (e.g., stream pond or lake)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland is part of a recreation area, park, forest, or refuge.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hunting and/or fishing is available within or from the wetland.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hiking occurs or has the potential to occur in the wetland	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Off-road public parking available at or near the wetland or watercourse.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland is within a short drive or safe walk from highly populated public and private areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland currently used for educational or scientific purposes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Access to water is available at this potential recreation site for boating, canoeing, or fishing.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
No known safety hazards exist (If not, explain below).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence educational, scientific or recreation value (Explain below).	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments: *Safety hazards include high, steep banks and difficult access to the wetland and watercourse.*



Project Name: Evergreen Walk Project #: 2000418.N10  
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Date: 04/16/2020 Weather: 50°F, partly cloudy Photographs Taken? **Yes** / No

**UNIQUENESS & HERITAGE VALUE****Considerations/Qualifiers**

	Yes	No
Wetland contains state or federal listed species.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland identified as a whole or in part as an exemplary natural community (Explain below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland considered a locally and/or regionally significant (Explain below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other evidence of uniqueness or heritage values (Explain below)	<input type="checkbox"/>	<input type="checkbox"/>

☐ **PRINCIPAL FUNCTION** or ☐ **SECONDARY FUNCTION?**

Comments:

**SUMMARY OF FUNCTIONS & VALUES**

Function/Value	Principal Function	Secondary Function
Groundwater Recharge & Discharge	-	-
Floodflow Alteration	-	-
Sediment, Pollutant & Nutrient Removal	-	-
Finfish Habitat (Ponds & Lakes)	-	-
Finfish Habitat (Streams & Rivers)	-	-
Production Export	-	X
Wildlife Habitat	-	-
Educational, Scientific & Recreation Value	-	-
Uniqueness & Heritage	-	-

**MISCELLANEOUS NOTES & COMMENTS:**



## SITE PHOTOGRAPHS

*Evergreen Walk (#2000481.N10)*



Figure 1. Upstream reach of unnamed stream from wetland flag #B218.

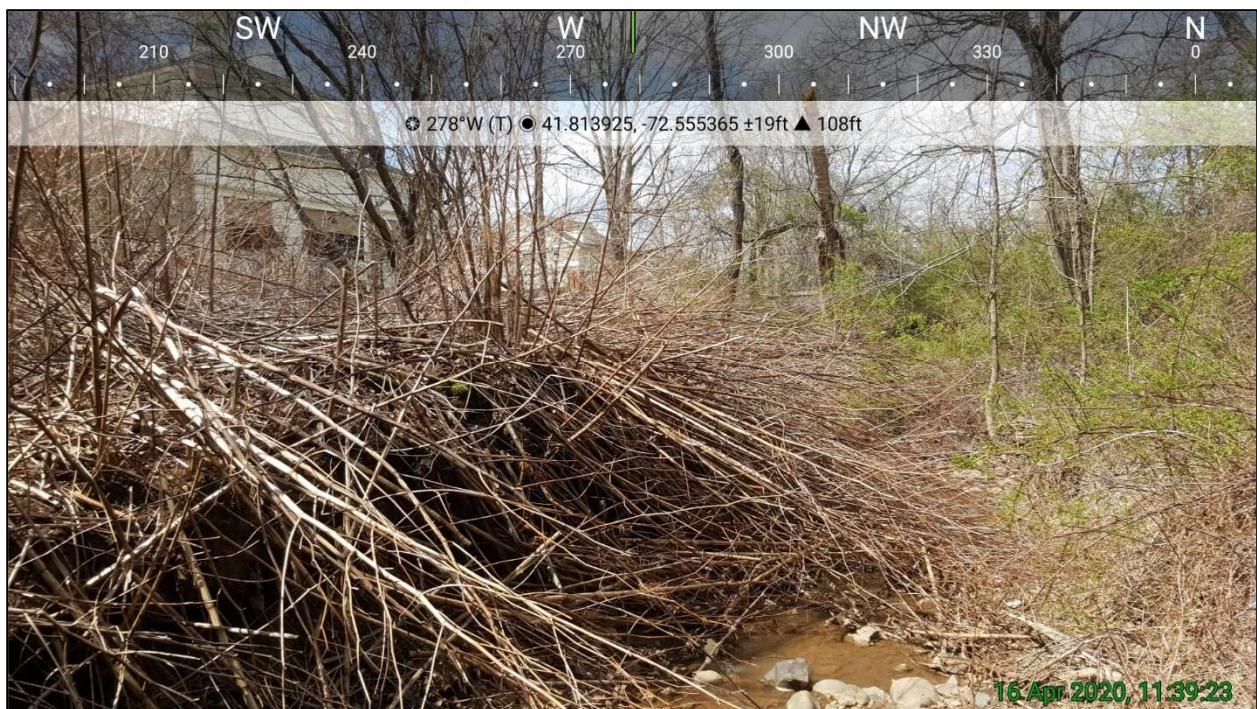


Figure 2. Downstream reach of unnamed stream from wetland flag #B210.



## SITE PHOTOGRAPHS

*Evergreen Walk (#2000481.N10)*

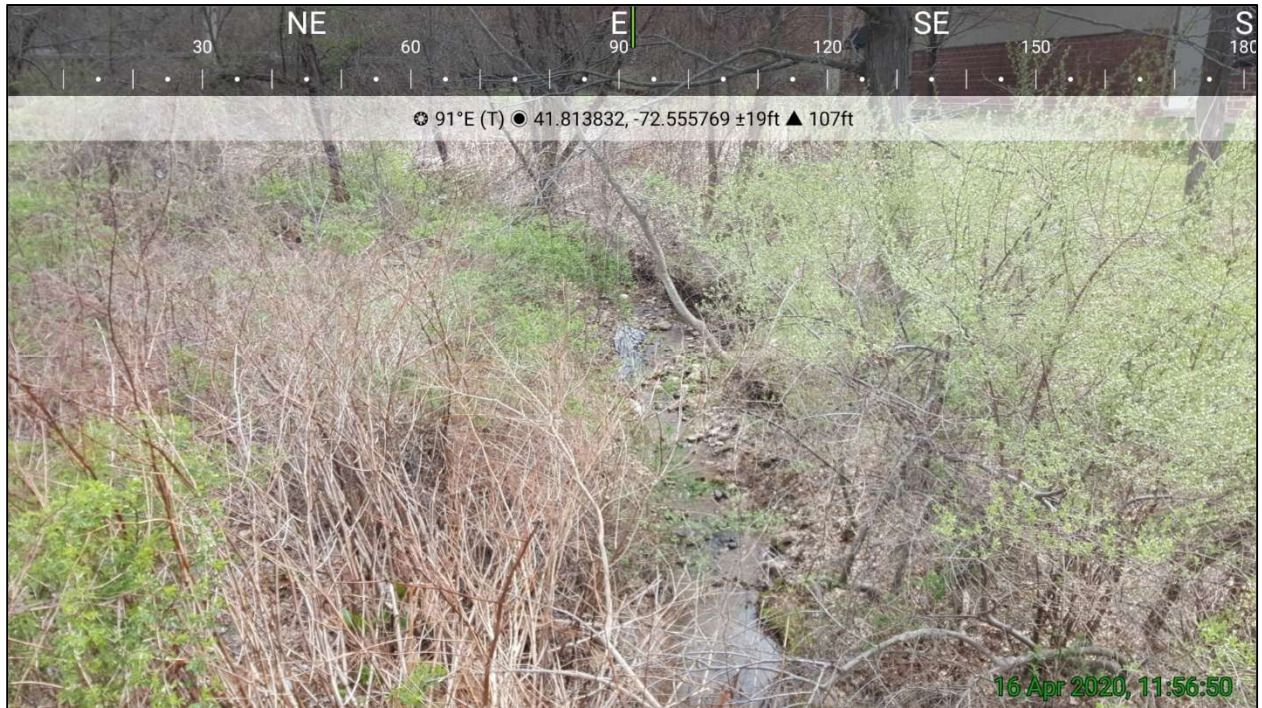


Figure 3. Upstream reach of unnamed stream, as seen from stream crossing at Evergreen Way.



Figure 4. Downstream reach of unnamed stream from wetland flag #B205.



## SITE PHOTOGRAPHS

*Evergreen Walk (#2000481.N10)*



Figure 5. Upstream reach of unnamed stream from wetland flag #C300.



Figure 6. Downstream reach of unnamed stream, as seen from easternmost stream crossing.



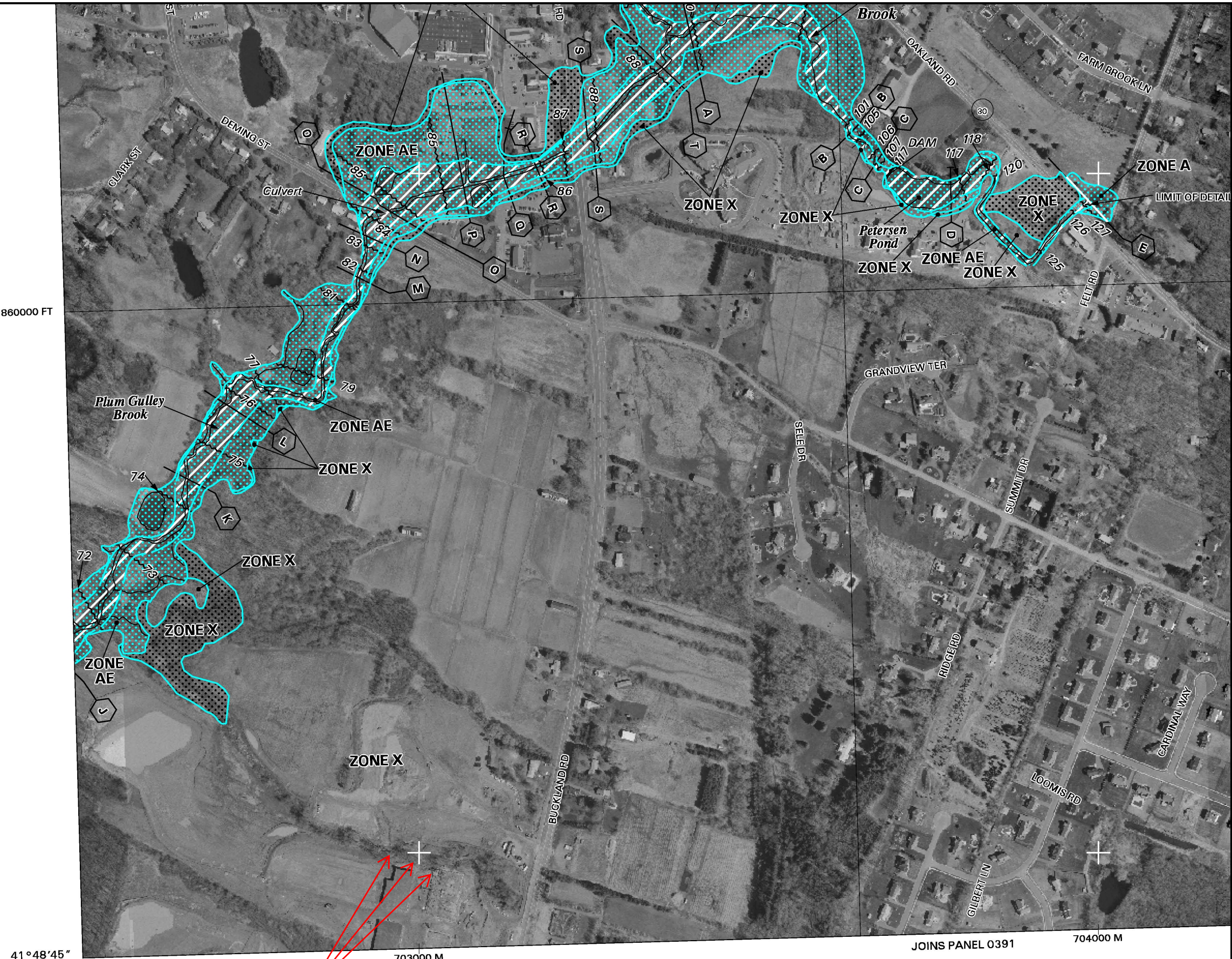
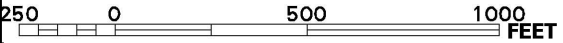




Additional flood insurance is available in this community, contact your insurance agent for more information or call the National Flood Insurance Program at (800) 638-6620.



MAP SCALE 1" = 500'



860000 FT

41°48'45"  
72°33'43"

703000 M

JOINS PANEL 0391

704000 M

Project Location

PANEL 0383F

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
HARTFORD COUNTY,  
CONNECTICUT  
(ALL JURISDICTIONS)

**PANEL 383 OF 675**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:			
COMMUNITY	NUMBER	PANEL	SUFFIX
MANCHESTER, TOWN OF	090031	0383	F
SOUTH WINDSOR, TOWN OF	090036	0383	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



**MAP NUMBER**  
**09003C0383F**  
**EFFECTIVE DATE:**  
**SEPTEMBER 26, 2008**

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



# APPENDIX D:

## Direct Abutter Notification

# **List of Abutting Property Owners**

Parcel ID	Site Address	Owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
83700340	340 SMITH STREET	FRASER BRENDA J & BRUCE D	340 SMITH STREET	SOUTH WINDSOR	CT	06074- 0000
83700198	198 SMITH STREET	KF REALTY LLC	175 WHEELER ROAD	SOUTH WINDSOR	CT	06074- 0000
83700314	314 SMITH STREET	314 SMITH STREET ASSOCIATES LLC	314 SMITH STREET	SOUTH WINDSOR	CT	06074- 0000
83700332	332 SMITH STREET	HAYES ROBERT J & BEVERLY E TRSTEES	332 SMITH STREET	SOUTH WINDSOR	CT	06074- 0000
83700140	140 SMITH STREET	JACQUES JEAN MARC	658 ELLINGTON RD	SOUTH WINDSOR	CT	06074- 0000
41350200	200 HEMLOCK AVENUE	KRISHRELTIC LLC	213 WEST STREET	BOLTON	CT	06043- 0000
83700302	302 SMITH STREET	WHITE LORRAINE M &	302 SMITH STREET	SOUTH WINDSOR	CT	06074- 0000
17850100	100 CEDAR AVENUE	REALTY INCOME PROPERTIES 21 LLC	11995 EL CAMINO REAL	SAN DIEGO	CA	92130- 0000
89302800	2800 TAMARACK AVENUE	EVERGREEN MEDICAL ASSOCIATES LLC	36 WELLES ST STE 220	GLASTONBURY	CT	06033- 0000
83700244	244 SMITH STREET	BRIN PETER J & JENNIFER J	244 SMITH STREET	SOUTH WINDSOR	CT	06074- 0000



Alfred Benesch & Company  
120 Hebron Avenue, 2nd Floor  
Glastonbury, CT 06033  
www.benesch.com  
P 860-633-8341  
F 860-633-1068

May 11, 2020

Realty Income Properties 21 LLC  
11995 El Camino Real  
San Diego, CA 92130

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

Dear Property Owner:

In accordance with Section 7.3b of the "Town of South Windsor Inland Wetlands, Watercourses, and Conservation Regulations", you are hereby notified that an application has been filed on the property abutting yours and is subject to a hearing by the Inland Wetlands Agency/Conservation Commission. The application and plans are on file with the South Windsor Planning Department.

As an abutting property owner you are invited to the hearing to ask questions and/or give comments. You may also submit written comments regarding the application prior to the hearing if you so desire. For further information regarding the specific date this application will be heard please contact Environmental Planner/Conservation Officer, Planning Department at the Town of South Windsor, 860-644-2511.

Sincerely,  
Alfred Benesch & Company

A handwritten signature in blue ink, appearing to read "Ricky Mears".

Ricky Mears, PE  
Project Manager  
rmears@benesch.com

cc: Elizabeth Maheu, General Manager, Evergreen Walk Lifestyle Center, LLC



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120 Hebron Avenue, 2nd Floor  
Glastonbury, CT 06033  
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May 11, 2020

Jean Marc Jacques  
658 Ellington Road  
South Windsor, CT 06074

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

Dear Property Owner:

In accordance with Section 7.3b of the "Town of South Windsor Inland Wetlands, Watercourses, and Conservation Regulations", you are hereby notified that an application has been filed on the property abutting yours and is subject to a hearing by the Inland Wetlands Agency/Conservation Commission. The application and plans are on file with the South Windsor Planning Department.

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Project Manager  
rmears@benesch.com

cc: Elizabeth Maheu, General Manager, Evergreen Walk Lifestyle Center, LLC



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May 11, 2020

KF Realty LLC  
175 Wheeler Road  
South Windsor, CT 06074

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

Dear Property Owner:

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May 11, 2020

Krishrealtic LLC  
213 West Street  
Bolton, CT 06043

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

Dear Property Owner:

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May 11, 2020

Peter J. & Jennifer J Brin  
244 Smith Street  
South Windsor, CT 06074

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

Dear Property Owner:

In accordance with Section 7.3b of the "Town of South Windsor Inland Wetlands, Watercourses, and Conservation Regulations", you are hereby notified that an application has been filed on the property abutting yours and is subject to a hearing by the Inland Wetlands Agency/Conservation Commission. The application and plans are on file with the South Windsor Planning Department.

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F 860-633-1068

May 11, 2020

Lorraine M. White  
302 Smith Street  
South Windsor, CT 06074

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

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May 11, 2020

Smith Street Associates LLC  
314 Smith Street  
South Windsor, CT 06074

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

Dear Property Owner:

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P 860-633-8341  
F 860-633-1068

May 11, 2020

Robert J. and Beverly E. Hayes Trustees  
332 Smith Street  
South Windsor, CT 06074

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

Dear Property Owner:

In accordance with Section 7.3b of the "Town of South Windsor Inland Wetlands, Watercourses, and Conservation Regulations", you are hereby notified that an application has been filed on the property abutting yours and is subject to a hearing by the Inland Wetlands Agency/Conservation Commission. The application and plans are on file with the South Windsor Planning Department.

As an abutting property owner you are invited to the hearing to ask questions and/or give comments. You may also submit written comments regarding the application prior to the hearing if you so desire. For further information regarding the specific date this application will be heard please contact Environmental Planner/Conservation Officer, Planning Department at the Town of South Windsor, 860-644-2511.

Sincerely,  
Alfred Benesch & Company

A handwritten signature in blue ink, appearing to read "Ricky Mears".

Ricky Mears, PE  
Project Manager  
rmears@benesch.com

cc: Elizabeth Maheu, General Manager, Evergreen Walk Lifestyle Center, LLC



Alfred Benesch & Company  
120 Hebron Avenue, 2nd Floor  
Glastonbury, CT 06033  
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May 11, 2020

Bruce D. & Brenda J. Fraser  
340 Smith Street  
South Windsor, CT 06074

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

Dear Property Owner:

In accordance with Section 7.3b of the "Town of South Windsor Inland Wetlands, Watercourses, and Conservation Regulations", you are hereby notified that an application has been filed on the property abutting yours and is subject to a hearing by the Inland Wetlands Agency/Conservation Commission. The application and plans are on file with the South Windsor Planning Department.

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Sincerely,  
Alfred Benesch & Company

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Ricky Mears, PE  
Project Manager  
rmears@benesch.com

cc: Elizabeth Maheu, General Manager, Evergreen Walk Lifestyle Center, LLC



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May 11, 2020

Evergreen Medical Associates LLC  
36 Welles Street Suite 220  
Glastonbury, CT 06033

Subject: Rehabilitation of Three Culverts at Evergreen Walk  
South Windsor, CT

Dear Property Owner:

In accordance with Section 7.3b of the "Town of South Windsor Inland Wetlands, Watercourses, and Conservation Regulations", you are hereby notified that an application has been filed on the property abutting yours and is subject to a hearing by the Inland Wetlands Agency/Conservation Commission. The application and plans are on file with the South Windsor Planning Department.

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Sincerely,  
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Ricky Mears, PE  
Project Manager  
rmears@benesch.com

cc: Elizabeth Maheu, General Manager, Evergreen Walk Lifestyle Center, LLC

# APPENDIX E:

## Application Review Checklist

**IWA/CC APPLICATION REVIEW (to be filled out by the Applicant):**

Name Evergreen Walk Lifestyle Center, LLC by POAG Shopping Centers, LLC Application # \_\_\_\_\_

I.

- ☒ **Fifteen copies of application**
- ☒ Plans filed in triplicate.
- ☒ Application fee(s) paid in full.

II.

- ☒ The applicant's name, home and business address, telephone and fax numbers.
- ☒ The owner's name (if applicant is not the owner of the property), home and business addresses, telephone and fax numbers, and written consent to the proposed activity set forth in the application.

N/A ☐ If applicant is not the owner, state interest in the land.

- ☒ The geographical location of the property which is to be affected by the proposed activity, including a description of the land in sufficient detail to allow identification of the property on the Inland Wetlands and Water Courses Map included the Map # and Parcel # as shown on the Tax Assessor's Map.
- ☒ Names of current adjacent property owners from records in the Town Assessor's office.
- ☒ Proof that all abutting property owners have been notified by certified mail that an application is pending before the Agency.
- ☒ Purpose and description of all proposed regulated activity and the time element involved.
- ☒ Amount and kind of material proposed to be removed, or deposited and/or type of use.
- ☒ Acreage of regulated area to be altered (wetlands, watercourses, or regulated buffer)
- ☒ Acreage of wetlands and watercourses to be created.

N/A ☐ Lineal feet of proposed stream alteration.

- ☒ Total land area of project and percentage, which are wetlands.
- ☒ Alternatives considered by the applicant and why the proposal to alter the wetlands set forth in the application was chosen.

III.

- ☒ Class A-2 map of the area to be developed, 1" = 40', showing the following:
  - ☒ Designate regulated activities;
  - ☒ Existing structures and property lines;
  - ☒ Locations of existing watercourses and wetlands, as defined in section 2.1bb and 2.1cc and boundaries of regulated areas defined in section 2.1t. Identify the reference for watercourses and/or wetlands boundaries as shown on the map. The identifying numbers or other reference systems used in field delineation shall verify the limits as shown on the plans and shall submit a written report describing the findings. If the property does not contain any watercourses or wetlands this shall be noted on the plans.



- ☒ Location of 100 year flood lines;
- ☒ Elevations by 2 ft contours;
- ☒ Natural landscape features, woodland and vegetation; existing and proposed tree line.
- ☒ Utilities existing and proposed;
- ☒ Layout of existing and proposed drainage systems;
- N/A ☐ Layout of existing and proposed sanitary sewers or septic systems;
- N/A ☐ Proposed open spaces;
- ☒ Proposed limits of clearing.
- ☒ Proposed areas of change where material is intended to be deposited or removed;
- ☒ Proposed grading or any earth movement anticipated;
- ☒ Percentage of impervious coverage;
- N/A ☐ Disposition of stumps;
- N/A ☐ Test pits on site;
- N/A ☐ Buildable area as defined in section 2.1c; (see waiver provision in section 8.4);
- N/A ☐ Proposed detention basin, if required, sized for 100 year storm;
- ☒ Proposed soil erosion prevention, sediment control and other soil conservation treatments to be taken showing any proposed sediment basin, diversion dikes, indicating the timing of stripping of topsoil, when topsoil shall be stripped, where topsoil shall be stored and for how long, and what method stabilization shall be used, and be in complete compliance with the guidelines expressly set forth in Public Act 83-388, as amended, "An Act Concerning Soil Erosion and Sediment Control" which amends sections 8-2, 8-13d, and 8-25 of the General Statutes of Connecticut.
- N/A ☐ Projected changes in velocity, volume or course of water flow or in the water table and their effects.
- ☒ Soils information – consistent with Natural Resources Conservation Service categories as determined in the field by a qualified soil scientist.
- ☒ Biological and Wetland information – providing a functional analysis of any impacted wetlands, watercourses, an analysis of the probable effect of the proposed activity upon the plant and animal ecosystem.

#### IV.

- ☐ Additional Comments: