



CONSERVATION DEPARTMENT
 TOWN HALL – 110 MYRTLE AVENUE
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WESTPORT

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TOWN OF WESTPORT
 CONSERVATION DEPARTMENT

SCHEDULE C: WETLANDS / WATERCOURSES

PROJECT ADDRESS: _____

Due by 4:00 p.m. on _____

1. Pursuant to Section 9.6.2 relating to Soil Sample Data – the applicant/agent is to submit copy of a report by a “soil scientist” duly qualified in accordance with standards set by the U.S. Civil Service Commission, showing soil sample data, soil classifications, and a surveyed delineation of wetland soils as flagged by the scientist, including flag numbers (as requested by agency). *N/A*
2. Pursuant to Section 9.6.3 relating to Biological Evaluations – the applicant/agent is to submit a list and evaluation of the plant and animal life that may be found within, depend upon, or use the wetlands and watercourses (as requested by agency).
3. Describe the anticipated impacts to wetlands and watercourses that may occur as the result of that portion of your proposal that may be located in wetlands, watercourses or their setbacks.

SEE ATTACHED

4. Describe the mitigation that is being proposed as part of your application in order to minimize disturbance and pollution of wetlands and watercourses, maintain or improve water quality, and prevent destruction of or enhance the natural habitats and functions of the wetlands and watercourses.

SEE ATTACHED

5. List the alternatives to the proposed application that were considered and the reason for their abandonment.

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4. Describe the mitigation that is being proposed as part of your application in order to minimize disturbance and pollution of wetlands and watercourses, maintain or improve water quality, and prevent destruction of or enhance the natural habitats and functions of the wetlands and watercourses.

A portion (418 ft²) of the existing basketball court that extends into the wetland setback by 761 ft² will be developed into the ADU. The remaining extent of the existing ball court (343ft²) will be removed representing an improvement over existing conditions. The topsoil will be added to the newly exposed soils which will then be seeded with grass to stabilize the soil. A 20-foot zone around the perimeter of the wetland edge will be planted with a showy wildflower mix to provide an ecological lift to the existing wetland's functions and values. Additional tree and shrub plantings will be added to the upland setback and will consist of Northern Bayberry (*Morella pensylvanica*) and American Holly (*Ilex opaca*) or functional equivalent shrubs and trees (e.g., native species with comparable wildlife value). These two species were selected because they are native species, have high wildlife value, are deer-resistant, and have aesthetic value. They are typically available from local native plant nurseries. As an additional mitigative measure, the invasive Japanese Barberry plants currently within the limits of the wetland would be removed and replaced with a native wetland shrub such as Northern Arrowwood (*Viburnum dentatum*).

5. List the alternatives to the proposed application that were considered and the reason for their abandonment.

Alternative 1 – No Build alternative: This Alternative would result in a condition in the site that maintains the status quo. The basketball court would remain in its current location and not be removed resulting in the 761 ft² incursion of the setback to remain. It does not meet the needs of the applicant and is not the best solution for the environment, given the availability of other alternatives and their proposed mitigative measures.

Alternative 2 – Alternative location of the ADU. The ADU could be moved to the south but would then not align on a symmetric axis with the existing tennis court which is desirable from an architectural standpoint. This would also move the structure proximal to or within a shallow to bedrock area where the depth of bedrock would likely be an issue for constructing the ADU and associated appurtenances. Moving the ADU to the east would put it too close to the existing tennis court thereby impacting the accessibility and utility of the ADU. Moving the ADU to the north or west would result in greater indirect impact to the resource (greater direct impact to the setback).

Alternative 3 – Proposed Alternative. The proposed location of the ADU offers the most utility of the structure in its relation to the existing tennis court, minimizes the square footage of impact to the wetland setback, and would result in a functional (ecological) lift to the existing resource with the implementation of the proposed mitigation measures.

2. **The following is a list of plant species detected in the wetland:**

- Japanese Stiltgrass (*Microstegium vimineum*)
- Soft Rush (*Juncus effusus*)
- Sensitive Fern (*Onoclea sensibilis*)
- Japanese Barberry (*Berberis thunbergii*)
- Red Maple (*Acer rubrum*)
- Poison Ivy (*Toxicodendron radicans*)

Animals using or dependent upon the wetland system include a variety of herpetofauna, avian and mammalian species. Characteristic examples likely include the following:

Species name	Scientific name
Avifauna	
Red-tailed Hawk	<i>Buteo jamaicensis</i>
Mourning Dove	<i>Zenaida macroura</i>
Downy Woodpecker	<i>Picoides pubescens</i>
Hairy Woodpecker	<i>Picoides villosus</i>
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>
Northern Flicker	<i>Colaptes auratus</i>
Eastern Phoebe	<i>Sayornis phoebe</i>
Blue Jay	<i>Cyanocitta cristata</i>
American Crow	<i>Corvus brachyrhyncos</i>
Black-capped Chickadee	<i>Poecile atricapillus</i>
Tufted Titmouse	<i>Baeolophus bicolor</i>
White-breasted Nuthatch	<i>Sitta carolinensis</i>
Carolina Wren	<i>Thryothorus ludovicianus</i>
Golden-crowned Kinglet	<i>Regulus satrapa</i>
Veery	<i>Catharus fuscescens</i>
Wood Thrush	<i>Hylocichla mustilena</i>
American Robin	<i>Turdus migratorius</i>
Gray Catbird	<i>Dumetella carolinensis</i>
European Starling	<i>Sturnus vulgaris</i>
Red-eyed Vireo	<i>Vireo olivaceus</i>
American Redstart	<i>Setophaga ruticilla</i>
Common Yellowthroat	<i>Geothlypis trichas</i>

Northern Cardinal	<i>Cardinalis cardinalis</i>
Chipping Sparrow	<i>Spizella passerina</i>
White-throated Sparrow	<i>Zonotrichia albicollis</i>
Song Sparrow	<i>Melospiza melodia</i>
Red-Winged Blackbird	<i>Agelatus phoeniceous</i>
Common Grackle	<i>Quiscalus quiscula</i>
Baltimore Oriole	<i>Icterus galbula</i>
American Goldfinch	<i>Carduelis tristis</i>
Herpetofauna	
Gray Tree Frog	<i>Hyla versicolor</i>
Spring Peeper	<i>Pseudacris crucifer</i>
Green Frog	<i>Lithobates clamitans</i>
Garter Snake	<i>Thamnophis sirtalis</i>
Mammals	
White-footed Mouse	<i>Peromyscus leucopus</i>
Eastern Chipmunk	<i>Tamias striatus</i>
Gray Squirrel	<i>Sciurus carolinensis</i>
Raccoon	<i>Procyon lotor</i>
Eastern Cottontail	<i>Sylvilagus floridanus</i>
Virginia Opossum	<i>Didelphis virginiana</i>
White-tailed Deer	<i>Odocoileus virginianus</i>

3. Describe the anticipated impacts to Wetlands and watercourses that may occur as a result of that portion of your proposal that may be located in wetlands, watercourses or their setbacks.

There will be no direct impact to wetlands or watercourses as a result of the proposal.

However, the proposal will have limited *indirect* impact to a wetland resource area located to the northwest of the site, due to a portion of a proposed ADU that would lie within the 50-foot upland review area ascribed to this wetland resource. This resource is a Palustrine Forested Broad-leaved deciduous seasonally saturated wetland (PFO1E) that was delineated by William Kenney, Certified Soil Scientist. The limits of this wetland that occur on the property are depicted on **Plan Sheet SV-1.0**.

The extent of the indirect impact to the PFO system consists of the ADU encroaching on 183 ft² of the upland review area. However, this proposed ADU would be constructed within the limits of an existing basketball court, which, under current conditions, already encroaches into the wetland setback by