

Wetlands and watercourses		IWC jurisdiction	Map J-2	IWC regulations –Appx A
Stone walls	Already required			Site survey already required
Ledge and rock outcroppings	Often already included			Site survey required
Logging roads and trails	Often already included			Site survey required
Flood hazard areas			Map C-2	FEMA maps
Aquifers and watersheds			Map C-1 for watersheds	Zoning map for aquifers
Natural drainage areas-swales		#9A (for regulated area only)		Inferred from contours
Impervious surface % whole site	Commercial and Industrial Zones VLB & proposed CAM regs		Map of 10% VLBs at build out	Storm water regs
Rare and endangered species			Map J-3 and THS wall map	CT DEP NDDB maps
Significant forests & Grasslands			Map J-1	Property survey already reqd
Significant Natural Resource Areas (SNRAs)			Map J-6	
Wildlife movement corridors			Map J-4	CT DEP NDDB maps
Viewsheds	Cam Regulations Only		Section G, Map G Appx G1&2	Site survey required
Significant trees (in proposed development area only)				See definitions in BMP text Site survey required
Contiguity of site with protected open space, unbuilt land, wetlands & ridgelines				USGS, NRI Map H-3, GIS plus aerial photos

A CHECK LIST TO GUIDE LOW IMPACT DEVELOPMENT – BEST MANAGEMENT PRACTICES

Date: January 8, 2020
 Assessor Map No. 7 Lot No. 007
 Location of Property: 94 Great Harbor Road
 Applicant: Marc Knapp

Items listed below should be considered by developers in the creation of site plans. Due to individual site constraints not all items will apply to each individual property. CHECK ALL ITEMS THAT HAVE BEEN ADDRESSED IN THE SITE PLAN APPLICATION. Applicants should indicate by writing Yes, No, or N/A (not applicable). Additional comments are to be attached on a separate sheet of paper with project name and address.

A. SITE PLAN CONSIDERATIONS

1. Site Assessment of Natural Resources	Applicant	Staff Comments
a. Natural Resources and constraints have been indicated and are identified on the plans (wetlands, rivers, streams, flood hazard zones, meadows, agricultural land, tree lines, slopes [2 foot contours], soil types, exposed ledge & stone walls).	Yes	
b. Is the property shown on the latest copy of CT DEP State and Federal Listed Species and Significant Natural Communities Map as property listed in the Natural Diversity Data Base (NDDB)? If yes, provide a copy of the CT-DEP NDDB request form and CT-DEP reply letter.	Yes	
c. Development is designed to avoid critical coastal resources, water courses, wetlands and steep slopes.	Yes	
d. Soils Suitable for septic & stormwater infiltration have been identified	Yes	
e. Natural existing drainage patterns have been delineated on the plan and are proposed to be preserved or impacts minimized.	Yes	
f. Significant trees/ tree clusters in proposed development areas have been identified. Removal avoided and or protection in conservation easement suggested. (See guidance document).	N/A	
g. View sheds have been recognized/ maximized	N/A	
h. A copy of the latest USGS Quad map along with an aerial photograph showing the site and adjacent properties is attached.	Yes	

2. Preservation of Open Space	Applicant	Staff Comments
a. An open space subdivision or planned residential development (PRD) has been considered.	N/A	
b. Open space/ common areas are delineated.	N/A	
c. Open space is retained in a natural condition.	N/A	
d. Proposed open space is located adjacent to open space areas, trail systems, and / or wild life corridors. (See Town of Guilford Natural Resource Inventory)	N/A	
e. Coastal Public access should be evaluated for properties with non water-dependent uses on waterfront sites.	N/A	
f. Street line setbacks are minimized to reduce impervious surface and to optimize open space.	N/A	

3. Minimization of Land Disturbance	Applicant	Staff Comments
a. The proposed building is located where development can occur with the least environmental impact.	Yes	
b. Buildings designed for maximum solar gain. (Window exposure, are oriented to the sun for maximum energy efficiency).	N/A	
c. Clustered development has been considered.	N/A	
d. Disturbance areas have been delineated to avoid unnecessary clearing or grading,	Yes	

e. Sanitary systems should be setback from water bodies to maximum extent possible.	Yes	
f. Native Vegetation outside the immediate construction areas remains undisturbed or will be restored.	Yes	

4. Street and Driveway Sizes	Applicant	Staff Comments
a. The design provides an efficient layout to minimize the overall length and width of streets.	N/A	
b. Roadways and driveways conform to natural land formations.	Yes	
c. Design features to reduce impervious surfaces such as shared parking & Driveways have been considered.	Yes	
d. Proposed drainage systems utilize existing topography.	N/A	

B. EROSION AND SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL	Applicant	Staff Comments
a. Erosion and Sedimentation control plan is designed in accordance to Guilford Subdivision and Zoning Regulations.	Yes	
b. Permanent erosion control measures are to be utilized.	N/A	
c. Development does not create steep slopes subject to erosion	Yes	
d. Vegetated buffers are provided for riparian areas, intermittent streams, and wetlands.	N/A	
e. Cleared areas will be replanted and/ or heavily mulched.	Yes	

C. MANAGING STORMWATER

MANAGING STORMWATER	Applicant	Staff Comments
a. Efforts have been made to retain or infiltrate water on site.	N/A	
b. Outfalls are stabilized and receiving streams are protected from sediment scour potential velocity.	N/A	
c. Level spreaders or dispersed flow methods are used only where natural dispersal is not possible	N/A	
d. Maximum use is made of vegetated ditches/ swales, especially along driveways, parking areas and roads.	N/A	
e. Cul-de-sacs include a landscape island for bio-retention.	N/A	
f. Sheet flow is used to the maximum extent possible to avoid concentrating runoff.	N/A	
g. Rooftop drainage is discharged into bio-retention areas or rain gardens.	No	
h. Innovations like collecting/ reusing rainwater, green roofs, or porous pavement have been considered.	N/A	
i. Grass swales are used beside roads instead of curbs and gutters.	N/A	
j. Parking medians are designed for bio-retention to allow infiltration.	N/A	
k. Infiltration structures have been included –e.g. drywells and infiltration trenches.	N/A	
l. Best Management Practices to provide water quality treatment to remove existing and expected pollutants generated to be the proposed use.	N/A	
m. Impervious surfaces are disconnected and stormwater is treated locally.	N/A	
n. Proposed construction of the storm water management system is designed in compliance with the Guilford Town Codes and Connecticut Stormwater Manuel.	N/A	
o. Onsite soil infiltration/ permeability has been measured.	Yes	
p. Onsite soils are suitable for stormwater detention/ infiltration.	N/A	
q. Sufficient areas of infiltration (if present) are being utilized to maximize onsite stormwater retention.	N/A	

D. LANDSCAPE PLAN

LANDSCAPE PLAN	Applicant	Staff Comments
a. Clearing and grading have been minimized.	Yes	
b. Irrigation with automatic sensors have been considered.	N/A	
c. Landscaped areas retain water such as in water gardens, vegetated swales, etc.	N/A	
d. Habitat-enhancing native plant species are used.	N/A	
e. Species appropriate to soil, site, wetlands and microclimate conditions have been considered.	N/A	
f. Indigenous plants suitable for vegetated buffers, stream corridors and wetlands are included.	N/A	
g. Plants on the 2004 CT DEP Invasive Plant List are not included in the landscape design plan.	N/A	
h. Invasive species removal and maintenance control plan has been considered.	N/A	
i. Underground utilities have been considered.	Yes	



Connecticut Department of
 Energy & Environmental Protection
 Bureau of Natural Resources
 Wildlife Division

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #: No fee required	
Program: Natural Diversity Database Endangered Species	
Hardcopy _____	Electronic _____

Request for Natural Diversity Data Base (NDDDB) State Listed Species Review

Please complete this form in accordance with the [instructions](#) (DEEP-INST-007) to ensure proper handling of your request.

There are no fees associated with NDDDB Reviews.

Part I: Preliminary Screening & Request Type

<p>Before submitting this request, you must review the most current Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the DEEP website. These maps are updated twice a year, usually in June and December.</p> <p>Does your site, including all affected areas, fall in an NDDDB Area according to the map instructions: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Enter the date of the map reviewed for pre-screening: <u>December 2019</u></p>	
<p>This form is being submitted for a :</p>	
<p><input checked="" type="checkbox"/> New NDDDB request</p> <p><input type="checkbox"/> Renewal/Extension of a NDDDB Request, <i>without modifications and within two years of issued NDDDB determination</i> (no attachments required)</p> <p><small>[CPPU Use Only - NDDDB-Listed Species Determination # 1736]</small></p>	<p><input type="checkbox"/> New Safe Harbor Determination (optional) must be associated with an application for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities</p> <p><input type="checkbox"/> Renewal/Extension of an existing Safe Harbor Determination</p> <p style="margin-left: 20px;"><input type="checkbox"/> With modifications</p> <p style="margin-left: 20px;"><input type="checkbox"/> Without modifications (no attachments required)</p> <p><small>[CPPU Use Only - NDDDB-Safe Harbor Determination # 1736]</small></p>
<p>Enter NDDDB Determination Number for Renewal/Extension:</p>	<p>Enter Safe Harbor Determination Number for Renewal/Extension:</p>

Part II: Requester Information

If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the name shall be stated **exactly as it is registered with the Secretary of State. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at the Secretary of the State's database CONCORD. (www.concord-sots.ct.gov/CONCORD/index.jsp)*

If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).

If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the Request to Change company/Individual Information to the address indicated on the form.

1. Requester*

Company Name: A-2 Surveys, LLC

Contact Name: Matthew M. Niski

Address: 405 Main St

City/Town: Wallingford

State: CT Zip Code: 06492

Business Phone: 203-265-1489

ext. 303

**E-mail: mniski@julianoassociates.com

****By providing this email address you are agreeing to receive official correspondence from the department, at this electronic address, concerning this request. Please remember to check your security settings to be sure you can receive emails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes**

a) Requester can best be described as:

Individual Federal Agency State agency Municipality Tribal

business entity (if a business entity complete i through iii):

i) Check type corporation limited liability company limited partnership
 limited liability partnership statutory trust Other:

ii) Provide Secretary of the State Business ID #: 0629052 This information can be accessed at the Secretary of the State's database (CONCORD). (www.concord-sots.ct.gov/CONCORD/index.jsp)

iii) Check here if your business is **NOT** registered with the Secretary of State's office.

b) Acting as (Affiliation), pick one:

Property owner Consultant Engineer Facility owner Applicant

Biologist Pesticide Applicator Other representative:

2. List Primary Contact to receive Natural Diversity Data Base correspondence and inquiries, if different from requester.

Company Name:

Contact Person:

Title:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

**E-mail:

Part III: Site Information

This request can only be completed for one site. A separate request must be filed for each additional site.

1. SITE NAME AND LOCATION

Site Name or Project Name:

Town(s): Guilford

Street Address or Location Description: 94 Great Harbor Road

Size in acres, or site dimensions: 0.17 acres

Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):

Latitude: 41.25815 Longitude: 72.71060

Method of coordinate determination (check one):

GPS Photo interpolation using CTECO map viewer Other (specify):

2a. Describe the current land use and land cover of the site. Existing site consists of the foundation remains of a residential dwelling that burned down sometime between 2013-2014. A 410 sq. ft. garage remains. A seawall separates the site from Long Island Sound. This upper area is grassed. The entire site is 0.17 Acres.

b. Check all that apply and enter the size in acres or % of area in the space after each checked category.

<input type="checkbox"/> Industrial/Commercial _____	<input checked="" type="checkbox"/> Residential <u>100%</u>	<input type="checkbox"/> Forest _____
<input type="checkbox"/> Wetland _____	<input type="checkbox"/> Field/grassland _____	<input type="checkbox"/> Agricultural _____
<input type="checkbox"/> Water _____	<input type="checkbox"/> Utility Right-of-way _____	
<input type="checkbox"/> Transportation Right-of-way _____	<input type="checkbox"/> Other (specify): _____	

Part IV: Project Information

1. PROJECT TYPE:

Choose Project Type: Choose Type From Dropdown List , If other describe: Residential development

2. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint? Yes No If yes, explain.

Part IV: Project Information (continued)

3. Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used. Include a description of steps that will be taken to minimize impacts to any known listed species. A silt fence will be installed around the perimeter of the property before any work is done to prevent any disturbance of offsite species and waterbodies. The existing foundations will be removed, the proposed dwelling will be constructed to the subsurface sewage system installed between the house and seawall (see site plans for locations). No work is to be done to the existing seawall nor between the seawall and Long Island Sound. As the site formally had a residential dwelling that burned down, and only 187 sq.ft. more impervious area will be added compared to the pre-burned site, no impact is foreseen.

4. If this is a renewal or extension of an existing Safe Harbor request *with* modifications, explain what about the project has changed. No

5. Provide a contact for questions about the project details if different from Part II primary contact.

Name:

Phone:

E-mail:

Part V: Request Requirements and Associated Application Types

Check *one* box from either Group 1, Group 2 or Group 3, indicating the appropriate category for this request.

Group 1. If you check one of these boxes, complete Parts I – VII of this form and submit the required attachments A and B.

- Preliminary screening was negative but an NDDB review is still requested
- Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
- Request regards a preliminary site assessment or project feasibility study
- Request relates to land acquisition or protection
- Request is associated with a *renewal* of an existing permit or authorization, with no modifications

Group 2. If you check one of these boxes, complete Parts I – VII of this form and submit required attachments A, B, and C.

- Request is associated with a *new* state or federal permit or authorization application or registration
- Request is associated with modification of an existing permit or other authorization
- Request is associated with a permit enforcement action
- Request regards site management or planning, requiring detailed species recommendations
- Request regards a state funded project, state agency activity, or CEPA request

Group 3. If you are requesting a **Safe Harbor Determination**, complete Parts I-VII and submit required attachments A, B, and D. Safe Harbor determinations can only be requested if you are applying for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

If you are filing this request as part of a state or federal permit application(s) enter the application information below.

Permitting Agency and Application Name(s): _____

Related State DEEP Permit Number(s), if applicable: _____

State DEEP Enforcement Action Number, if applicable: _____

State DEEP Permit Analyst(s)/Engineer(s), if known: _____

Is this request related to a previously submitted NDDB request? Yes No

If yes, provide the previous NDDB Determination Number(s), if known: _____

Part VI: Supporting Documents

Check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all new requests and Safe Harbor renewals/extensions with modifications.** Renewals/Extensions with no modifications do not need to submit any attachments. Attachments C and D are supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	Overview Map: an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	Detailed Site Map: fine scaled map showing site boundary and area of work details on aerial imagery with relevant landmarks labeled. (Site and work boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input type="checkbox"/> Attachment C:	Supplemental Information, Group 2 requirement (attached, DEEP-APP-007C) <input type="checkbox"/> Section i: Supplemental Site Information and supporting documents <input type="checkbox"/> Section ii: Supplemental Project Information and supporting documents
<input type="checkbox"/> Attachment D:	Safe Harbor Report Requirements, Group 3 (attached, DEEP-APP-007D)

Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
<p><u>Matthew M. Niski</u> Signature of Requester (a typed name will substitute for a handwritten signature)</p>	<p><u>January 7th, 2020</u> Date</p>
<p><u>Matthew M. Niski</u> Name of Requester (print or type)</p>	<p><u>Professional Engineer</u> Title (if applicable)</p>
<p>_____ Signature of Preparer (if different than above)</p>	<p>_____ Date</p>
<p>_____ Name of Preparer (print or type)</p>	<p>_____ Title (if applicable)</p>

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
 DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

Or email request to: deep.nddbrequest@ct.gov