LARGE MAPS HAVE NOT BEEN SCANNED

PLEASE SEE PAPER FILE
August 1, 2019

New York State
Department of State
Division of Coastal Resources
99 Washington Ave., Suite 1010
Albany, N.Y. 12231-0001

Re: Application for Permit
Petersen – Lloyd Harbor, NY

Dear Sir/Madam:

Enclosed please find an application package for the above referenced project, which includes the following:

1.) Federal Consistency Assessment Form
2.) Response to coastal policies
3.) (1) Set of plans
4.) (1) Survey
5.) A copy of the NYSDEC Application Package
6.) A copy of the USACOE Environmental Questionnaire
7.) Photographs.
8.) Location Map
9.) Authorization Letter

If there should be any questions or if additional information is required, please don’t hesitate to contact this office.

Sincerely,

[Signature]
Dan Hall
Land Use Ecological Services, Inc.

DH
Enc.
NEW YORK STATE DEPARTMENT OF STATE
COASTAL MANAGEMENT PROGRAM
Federal Consistency Assessment Form

An applicant, seeking a permit, license, waiver, certification or similar type of approval from a federal agency which is subject to the New York State Coastal Management Program (CMP), shall complete this assessment form for any proposed activity that will occur within and/or directly affect the State’s Coastal Area. This form is intended to assist an applicant in certifying that the proposed activity is consistent with New York State’s CMP as required by U.S. Department of Commerce regulations (15 CFR 930.57). It should be completed at the time when the federal application is prepared. The Department of State will use the completed form and accompanying information in its review of the applicant’s certification of consistency.

A. APPLICANT (please print)

1. Name: Patricia Petersen

2. Address: 26 East Gate Road, Lloyd Harbor, NY 11743

3. Telephone: Area Code ( ) 631-423-1180

B. PROPOSED ACTIVITY

1. Brief description of activity:

   Shoreline / bluff stabilization

   Please see attached project description.

2. Purpose of activity:

   Flood and erosion protection, shoreline stabilization.

3. Location of activity:

   Suffolk County

   Lloyd Harbor City, Town, or Village

   26 East Gate Road Street or Site Description

4. Type of federal permit/license required: USACE

5. Federal application number, if known: Not yet known

6. If a state permit/license was issued or is required for the proposed activity, identify the state agency and provide the application or permit number, if known:

   NYSDEC, application number pending.
Project Description:

The applicant is proposing to stabilize and protect 485 linear feet of eroded bluff at the project site utilizing boulder / stone placement, gabion mattresses, placement of clean sand, and hydroseeding disturbed areas and areas void of vegetation per specifications on the project plans. 1,824 c.y. of core stones are proposed as a base for placement of 3,587 tons of boulders / cap stones placed at the eroded toe of the bluff per the project plans. Landward and above the boulder / stone placement 12’ long x 6’ wide x 9” deep stone filled gabion mattresses are proposed. 2,386 c.y. of clean sand from an upland source is proposed landward and above the proposed boulders. All areas void of vegetation on the bluff are proposed to be hydroseeded per the specifications on the project plans (DWG. No. 18031-6(1) Shoreline Protection & Stabilization Notes And Typical Section).

The stone boulder placement proposed is 7.40 tons per linear foot for the cap stones / boulders proposed. This is approximately; 3.70 +/- tons per linear foot above the grade / AHW, and 3.70 +/- tons per linear foot is proposed below grade / AHW.
C. COASTAL ASSESSMENT  Check either "YES" or "NO" for each of these questions. The numbers following each question refer to the policies described in the CMP document (see footnote on page 2) which may be affected by the proposed activity.

1. Will the proposed activity result in any of the following: 
   YES, NO
   
   a. Large physical change to a site within the coastal area which will require the preparation of an environmental impact statement? (11, 22, 25, 32, 37, 38, 41, 43) ................. ___ X
   b. Physical alteration of more than two acres of land along the shoreline, land under water or coastal waters? (2, 11, 12, 20, 28, 35, 44) ........................................ X
   c. Revitalization/redevelopment of a deteriorated or underutilized waterfront site? (1) ............... X
   d. Reduction of existing or potential public access to or along coastal waters? (19, 20) .............. X
   e. Adverse effect upon the commercial or recreational use of coastal fish resources? (9,10) ....... X
   f. Siting of a facility essential to the exploration, development and production of energy resources in coastal waters or on the Outer Continental Shelf? (29) .............................................. X
   g. Siting of a facility essential to the generation or transmission of energy? (27) ......................... X
   h. Mining, excavation, or dredging activities, or the placement of dredged or fill material in coastal waters? (15, 35) .......................................................... X
   i. Discharge of toxics, hazardous substances or other pollutants into coastal waters? (8, 15, 35) X
   j. Draining of stormwater runoff or sewer overflows into coastal waters? (33) ......................... X
   k. Transport, storage, treatment, or disposal of solid wastes or hazardous materials? (36, 39) . X
   l. Adverse effect upon land or water uses within the State’s small harbors? (4) ......................... X

2. Will the proposed activity affect or be located in, on, or adjacent to any of the following:  
   YES, NO
   
   a. State designated freshwater or tidal wetland? (44) ................................................................. X
   b. Federally designated flood and/or state designated erosion hazard area? (11, 12, 17,) ............ X
   c. State designated significant fish and/or wildlife habitat? (7) .................................................. X
   d. State designated significant scenic resource or area? (24) ...................................................... X
   e. State designated important agricultural lands? (26) .............................................................. X
   f. Beach, dune or barrier island? (12) ......................................................................................... X
   g. Major ports of Albany, Buffalo, Ogdensburg, Oswego or New York? (3) ............................ X
   h. State, county, or local park? (19, 20) .................................................................................... X
   i. Historic resource listed on the National or State Register of Historic Places? (23) ............... X

3. Will the proposed activity require any of the following:  
   YES, NO
   
   a. Waterfront site? (2, 21, 22) ................................................................................................. X
   b. Provision of new public services or infrastructure in undeveloped or sparsely populated sections of the coastal area? (5) ................................................................. X
   c. Construction or reconstruction of a flood or erosion control structure? (13, 14, 16) ............ X
   d. State water quality permit or certification? (30, 38, 40) ......................................................... X
   e. State air quality permit or certification? (41, 43) ................................................................. X

4. Will the proposed activity occur within and/or affect an area covered by a State approved local waterfront revitalization program? (see policies in local program document) ................. X
D. **ADDITIONAL STEPS**

1. If all of the questions in Section C are answered "NO", then the applicant or agency shall complete Section E and submit the documentation required by Section F.

2. If any of the questions in Section C are answered "YES", then the applicant or agent is advised to consult the CMP, or where appropriate, the local waterfront revitalization program document*. The proposed activity must be analyzed in more detail with respect to the applicable state or local coastal policies. On a separate page(s), the applicant or agent shall: (a) identify, by their policy numbers, which coastal policies are affected by the activity, (b) briefly assess the effects of the activity upon the policy; and, (c) state how the activity is consistent with each policy. Following the completion of this written assessment, the applicant or agency shall complete Section E and submit the documentation required by Section F.

E. **CERTIFICATION**

The applicant or agent must certify that the proposed activity is consistent with the State's CMP or the approved local waterfront revitalization program, as appropriate. If this certification cannot be made, the proposed activity shall not be undertaken. If this certification can be made, complete this Section.

"The proposed activity complies with New York State's approved Coastal Management Program, or with the applicable approved local waterfront revitalization program, and will be conducted in a manner consistent with such program."

**Applicant/Agent's Name:** Dan Hall / Land Use Ecological Services, Inc.

**Address:** 570 Expressway Drive South, Suite 2F Medford, NY 11763

**Telephone:** Area Code (631) 727-2400

**Applicant/Agent's Signature:** [Signature] **Date:** September 4, 2018

F. **SUBMISSION REQUIREMENTS**

1. The applicant or agent shall submit the following documents to the New York State Department of State, Division of Coastal Resources, 41 State Street - 8th Floor, Albany, New York 12231.
   a. Copy of original signed form.
   b. Copy of the completed federal agency application.
   c. Other available information which would support the certification of consistency.

2. The applicant or agent shall also submit a copy of this completed form along with his/her application to the federal agency.

3. If there are any questions regarding the submission of this form, contact the Department of State at (518) 474-6000.

*These state and local documents are available for inspection at the offices of many federal agencies, Department of environmental Conservation and Department of State regional offices, and the appropriate regional and county planning agencies. Local program documents are also available for inspection at the offices of the appropriate local government.
Response to Coastal Policies:

POLICY #2:
This project incorporates stabilizing the eroded bluff and shoreline. This activity is considered a water dependent use thus this proposed project will comply with this policy.

POLICY #7:
The significant coastal fish and wildlife habitat of Cold Spring Harbor will not be affected by the proposed activities. Only during construction activities might the immediate vicinity of the project site be temporarily adversely affected by siltation from construction activities during high tide events.

POLICY #11:
No flooding or damage to any structures will occur as a result of this proposed project, nor will there be any threat to human lives caused by flooding and/or erosion as a result of this project.

POLICY #12:
No flooding and/or erosion will occur as a result of the proposed activities or during the construction phase of same.

POLICY #13:
This proposed shoreline stabilization project will have a reasonable probability of controlling erosion and prevent deterioration of the adjacent vegetated tidal wetlands at this site for at least thirty years.

POLICY #14:
This project will not have any measurable increase of erosion or flooding at the site or at other locations. This project is designed to help prevent erosion and flooding at this site and at adjacent locations.

POLICY #16:
No public funds are proposed to be utilized in conjunction with this project.

POLICY #17:
This project has been designed to utilize the least structural measures possible while protecting the site and natural resources from flooding and erosion. Upon completion this project will have beneficial impacts to the natural resources at the site.

POLICY #21:
This proposed project is considered a water dependent use and will encourage water related activities at this site, thus this project will comply with this policy.

POLICY #22:
This project will help provide for safe access to water related recreation, as enhancing safe water related recreation is one of the purposes for this development, and as such this project will comply with this policy.

POLICY #44:
This project will be undertaken in such a manner so as to protect and preserve the tidal wetlands and the benefits derived from these areas whenever and wherever possible. Only during construction activities might the proposed project have any potential temporary negative affects on any adjacent tidal wetlands.
JOINT APPLICATION FORM

For Permits for activities affecting streams, waterways, waterbodies, wetlands, coastal areas, sources of water, and endangered and threatened species.

You must separately apply for and obtain Permits from each involved agency before starting work. Please read all instructions.

1. Applications To:

| NYS Department of Environmental Conservation | ✓ | Check here to confirm you sent this form to NYSDEC. |
| Dams and Impoundment Structures | Tidal Wetlands | Water Withdrawal |
| Excavation and Fill in Navigable Waters | Wild, Scenic and Recreational Rivers | Long Island Well |
| Docks, Moorings or Platforms | Coastal Erosion Management | Incidental Take of Endangered / Threatened Species |

| US Army Corps of Engineers | ✓ | Check here to confirm you sent this form to USACE. |
| Section 404 Clean Water Act | Section 10 Rivers and Harbors Act |
| Is the project Federally funded? | Yes | No |
| General Permit Type(s), if known: | |
| Preconstruction Notification: | Yes | No |

| NYS Office of General Services | | |
| State Owned Lands Under Water | Utility Easement (pipelines, conduits, cables, etc.) | Docks, Moorings or Platforms |

| NYS Department of State | ✓ | Check here to confirm you sent this form to NYSDOS. |

Check if this applies: ✓ Coastal Consistency Concurrence

2. Name of Applicant

Patricia Petersen

Mailing Address
26 East Gate Road

Telephone 631-423-1180

Email PatriciaPetersen@DanielGale.com

Applicant Must be (check all that apply): ✓ Owner □ Operator □ Lessee

Taxpayer ID (if applicant is NOT an individual)

Mailing Address

Post Office / City
Lloyd Harbor

State
NY

Zip
11743

3. Name of Property Owner (if different than Applicant)

Same As Applicant

Mailing Address

Post Office / City

State

Zip

Telephone

Email

For Agency Use Only
Agency Application Number:

Page 1 of 4
4. Name of Contact / Agent
Dan Hall
Mailing Address
570 Expressway Drive South, Suite 2F
Post Office / City
Medford
State NY Zip 11763
Telephone 631-727-2400 Email dhall@landuse.us

5. Project / Facility Name
Petersen - Lloyd Harbor
Property Tax Map Section / Block / Lot Number: SCTM# 403-15-1-52.1
Project Street Address, if applicable
26 East Gate Road
Post Office / City Lloyd Harbor
State NY Zip 11743
Provide directions and distances to roads, intersections, bridges and bodies of water
Please see location map.
□ Town □ Village □ City County
Lloyd Harbor Suffolk Stream/Waterbody Name Cold Spring Harbor
Project Location Coordinates: Enter Latitude and Longitude in degrees, minutes, seconds:
Latitude: 40° 53' 22.18N Longitude: 73° 28' 18.67W

6. Project Description: Provide the following information about your project. Continue each response and provide any additional information on other pages. Attach plans on separate pages.

a. Purpose of the proposed project:
Erosion / flood protection, shoreline / bluff stabilization.

b. Description of current site conditions:
Existing residence with pool and associated structures. Severely eroded bluff / shoreline.

c. Proposed site changes:
485 Linear feet of proposed shoreline bluff stabilization utilizing boulder / stone, gabion mattress, clean sand, and hydroseeded per specifications on project plans.

d. Type of structures and fill materials to be installed, and quantity of materials to be used (e.g., square feet of coverage, cubic yards of fill material, structures below ordinary/mean high water, etc.):
485 Linear feet, 2,386 c.y. of clean sand, 1,824 c.y. core stones, and 3,687 tons of boulders / cap stones. 7.40 tons per linear foot is proposed; 3.70 +/- tons per linear foot above the grade / AHW, and 3.70 +/- tons per linear foot below grade / AHW is proposed. Please see plans for detailed specifications

e. Area of excavation or dredging, volume of material to be removed, location of dredged material placement:
N/A

f. Is tree cutting or clearing proposed? □ Yes If Yes, explain below. □ No
Timing of the proposed cutting or clearing (month/year):
Number of trees to be cut: Acreage of trees to be cleared:
g. Work methods and type of equipment to be used:
Stone and materials will be placed via small small crane / excavator via barge.

h. Describe the planned sequence of activities:
Construction will take place from the toe of the bluff landward (up the bluff). Upon completion of the placement of materials site will be hydroteased per specifications.

i. Pollution control methods and other actions proposed to mitigate environmental impacts:
Best management practices will be utilized to minimize pollution and to mitigate environmental impacts whenever and wherever possible. Silt fence / hay bales will be installed.

j. Erosion and silt control methods that will be used to prevent water quality impacts:
Silt fence / hay bales will be installed as required.

k. Alternatives considered to avoid regulated areas. If no feasible alternatives exist, explain how the project will minimize impacts:
Project is designed to minimize potential impact to regulated wetlands and stabilize the bluff and shoreline areas.

l. Proposed use: ☑ Private  ☐ Public  ☐ Commercial

m. Proposed Start Date: ASAP  Estimated Completion Date: ASAP

n. Has work begun on project?  ☐ Yes  ☑ If Yes, explain below.  ☑ No

o. Will project occupy Federal, State, or Municipal Land?  ☐ Yes  ☑ If Yes, explain below.  ☑ No

p. List any previous DEC, USACE, OGS or DOS Permit / Application numbers for activities at this location:
Not known by our office,

q. Will this project require additional Federal, State, or Local authorizations, including zoning changes?  ☑ Yes  ☐ If Yes, list below.  ☐ No
NYSDEC, USACE, NYSDOS, and Village of Lloyd Harbor
7. Signatures.

Applicant and Owner (if different) must sign the application.
Append additional pages of this Signature section if there are multiple Applicants, Owners or Contact/Agents.

I hereby affirm that information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief.

Permission to Inspect - I hereby consent to Agency inspection of the project site and adjacent property areas. Agency staff may enter the property without notice between 7:00 am and 7:00 pm, Monday - Friday. Inspection may occur without the owner, applicant or agent present. If the property is posted with "keep out" signs or fenced with an unlocked gate, Agency staff may still enter the property. Agency staff may take measurements, analyze site physical characteristics, take soil and vegetation samples, sketch and photograph the site. I understand that failure to give this consent may result in denial of the permit(s) sought by this application.

False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the NYS Penal Law. Further, the applicant accepts full responsibility for all damage, direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and agrees to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from said project. In addition, Federal Law, 18 U.S.C., Section 1001 provides for a fine of not more than $10,000 or imprisonment for not more than 5 years, or both where an applicant knowingly and willingly falsifies, conceals, or covers up a material fact; or knowingly makes or uses a false, fictitious or fraudulent statement.

**Signature of Applicant**

[Signature]

Date: 9/1/18

Applicant Must be (check all that apply): ☑ Owner  ☐ Operator  ☐ Lessee

**Printed Name**

Patricia J. Peterson

**Title**

Owner

**Signature of Owner (if different than Applicant)**

Same As Applicant

Date

**Printed Name**

[Signature]

**Title**

[Title]

**Signature of Contact / Agent**

[Signature]

Date: 2/13/18

**Printed Name**

Dan Hall / Land Use Ecological Services, Inc.

**Title**

Agent

---

**For Agency Use Only**

**DETERMINATION OF NO PERMIT REQUIRED**

Agency Application Number

( Agency Name) has determined that No Permit is required from this Agency for the project described in this application.

**Agency Representative:**

**Printed Name**

**Title**

**Signature**

**Date**
New York State Department of Environmental Conservation
Supplement to the Joint Application Form
STRUCTURAL ARCHAEOLOGICAL ASSESSMENT FORM (SAAF)

PART 1 – APPLICANT COMPLETES

APPLICANT INFORMATION

1. Applicant Name: Patricia Petersen

2. Applicant Address: 26 East Gate Road, Lloyd Harbor, NY 11743

PROJECT INFORMATION

3. Project/Facility Name: Petersen - Lloyd Harbor

4. Project/Facility Location: 26 East Gate Road, Lloyd Harbor, NY 11743

5. Is the proposed project adjacent to, or does it contain a building or structure listed in the State or National Register of Historic Places? □ Yes □ No

6. Are there any buildings or structures 50 years old or older adjacent to or within the proposed project area? □ Yes □ No

If the answer to question 5 and/or 6 is yes, provide the following information for each building and structure (use attachments if necessary):

a. Name of structure:

b. Location:

c. Type of structure (ex. house, outbuilding, barn, bridge, dam, ruins):

d. Approximate age or date of construction:

7. Might the proposed project have any impact (physical/visual) upon any buildings or structures listed in the State or National Register of Historic Places or 50 years old or older? □ Yes □ No

If yes, describe briefly (use attachments if necessary):

APPLICANT SECTION CONTINUES ON REVERSE SIDE
8. Provide photographs of every building and structure that may be impacted by the project as described in number 7, on the opposite side of this page. The following standards are recommended:
   • Minimum of 2 photographs
   • Photographs must be 3.5” x 5” in size or larger
   • Photos must be clear and focused
   • Digital photographs must be printed on photo paper and be produced at a printer setting of a minimum of 600 dpi
   • Clearly label photos so it is obvious what is being illustrated; key photos to map or plan, if possible
   • Photo 1: show both the entire front and side of the structure in a single shot from as close to the building as possible. Be sure the structure is not partially or fully blocked by trees or other obstructions
   • Photo 2: show relationship of building or structure to roadway or surroundings

9. Has the land within the proposed project area been previously disturbed or altered (excavated, landscaped, filled, utilities installed)?
   □ Yes  □ No

If yes, describe briefly, including depth of disturbance (use attachments if necessary):
   Existing Residence, Pool, driveway, cleared and landscaped areas.

10. Approximate percentage of proposed project area with slopes:
    • 0-10%  45 %
    • 10-15%  20 %
    • 15% or greater  35 %

11. Approximate percentage of proposed project site with the following drainage characteristics:
    • Well drained  96 %
    • Moderately well drained  2 %
    • Poorly drained  2 %

Prepared By (Print or type name):  Dan Hall / Land Use Ecological Services, Inc.
Signature:  
Date:  September 4, 2018
PART 2 – DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) COMPLETES

APPLICANT/PROJECT INFORMATION

1. Applicant Name:

2. Project/Facility Name:

3. DEC Number:

BUILDINGS AND STRUCTURES

4. Might the proposed project have any impact (physical/visual) upon any buildings or structures listed in the State or National Register of Historic Places or 50 years old or older? □ Yes □ No

If yes, DEC must consult with the Office of Parks, Recreation and Historic Preservation (OPRHP). DEC must request a determination of eligibility for the State Register of Historic Places and/or comments regarding project impact. Include information supplied by the applicant in response to questions 5, 6, 7 and 8 of Part 1 of this form.

ARCHAEOLOGICAL SITES

5. Does the proposed project area coincide with a circle, square or stippled area on OPRHP’s Statewide Archaeological Inventory Map? □ Yes □ No

6. Is the proposed project area outside of a circle or square, but one for which information has been provided (ex: documented reports of known sites) that suggests the area is archaeologically sensitive? □ Yes □ No

If yes, what is the nature and source of information?

7. Is the proposed project area apparently undisturbed? □ Yes □ No

8. Will the proposed action include a physical disturbance of the project area? □ Yes □ No

9. Is the slope in the area characteristically less than 15% (unless on limestone/flint escarpments)? □ Yes □ No

DEC SECTION CONTINUES ON REVERSE SIDE
10. Is the proposed project area characteristically moderately well or well drained? □ Yes □ No

If the answers to 5, 7-10 are yes, an archeological survey should be performed by the applicant. Provide the applicant with a copy of or the link to the State Historic Preservation Office Phase 1 Archaeological Report Format Requirements (08/05).

If the answer to 5 is no, but answers to 6-10 are yes, DEC must consult with OPRHP before requiring that the applicant perform an archaeological survey.

RESULTS OF EVALUATION

□ SHPA-1 No buildings, structures or archaeological sites identified at the project location.

□ SHPA-2 Buildings, structures or archaeological sites identified, but no impacts will occur, no survey required. No further cultural resources review required.

Consultation by DEC with OPRHP required. □ Structures □ Archaeology

 Archaeological survey required.

Prepared by: Date:

(03-2009 – Technical details updated)
**Instructions for Completing**

**Part 1 - Project Information.** The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

---

### Part 1 - Project and Sponsor Information

**Patricia Petersen** - 26 East Gate Road, Lloyd Harbor, NY 11743

<table>
<thead>
<tr>
<th>Name of Action or Project:</th>
<th>Peterson - Lloyd Harbor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Location (describe, and attach a location map):</td>
<td>26 East Gate Road, Lloyd Harbor, NY 11743</td>
</tr>
<tr>
<td>Brief Description of Proposed Action:</td>
<td>Please See Attached Project Description.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Applicant or Sponsor:</th>
<th>Patricia Petersen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone:</td>
<td>631-423-1180</td>
</tr>
<tr>
<td>E-Mail:</td>
<td><a href="mailto:PatriciaPetersen@DanielGale.com">PatriciaPetersen@DanielGale.com</a></td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 East Gate Road</td>
</tr>
</tbody>
</table>

| City/PO: | Lloyd Harbor |
| State: | NY |
| Zip Code: | 11743 |

1. **Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation?**
   - YES | NO |

2. **Does the proposed action require a permit, approval or funding from any other governmental Agency?**
   - YES | NO |

3.a. **Total acreage of the site of the proposed action?**
   - 6.39 +/- acres |

3.b. **Total acreage to be physically disturbed?**
   - <.25 acres |

3.c. **Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?**
   - 6.39 +/- acres |

4. **Check all land uses that occur on, adjoining and near the proposed action.**

- □ Urban  □ Rural (non-agriculture)  □ Industrial  □ Commercial  □ Residential (suburban)
- □ Forest  □ Agriculture  □ Aquatic  □ Other (specify): ____________________________
- □ Parkland

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Page 1 of 4
Petersen – Lloyd Harbor

Project Description:

The applicant is proposing to stabilize and protect 485 linear feet of eroded bluff at the project site utilizing boulder / stone placement, gabion mattresses, placement of clean sand, and hydroseeding disturbed areas and areas void of vegetation per specifications on the project plans. 1,824 c.y. of core stones are proposed as a base for placement of 3,587 tons of boulders / cap stones placed at the eroded toe of the bluff per the project plans. Landward and above the boulder / stone placement 12’ long x 6’ wide x 9” deep stone filled gabion mattresses are proposed. 2,386 c.y. of clean sand from an upland source is proposed landward and above the proposed boulders. All areas void of vegetation on the bluff are proposed to be hydroseeded per the specifications on the project plans (DWG. No. 18031-6(1) Shoreline Protection & Stabilization Notes And Typical Section).

The stone boulder placement proposed is 7.40 tons per linear foot for the cap stones / boulders proposed. This is approximately; 3.70+/- tons per linear foot above the grade / AHW, and 3.70+/- tons per linear foot is proposed below grade / AHW.
5. Is the proposed action,  
   a. A permitted use under the zoning regulations?  
      | NO | YES | N/A |
      |    | ✓   |     |
   b. Consistent with the adopted comprehensive plan?  
      | NO | YES | N/A |
      |     | ✓   |     |

6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?  
   | NO | YES | N/A |
   |     | ✓   |     |

7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?  
   If Yes, identify:  
   | NO | YES |
   | ✓   |     |

8. a. Will the proposed action result in a substantial increase in traffic above present levels?  
      | NO | YES | N/A |
      | ✓   |     |     |
   b. Are public transportation service(s) available at or near the site of the proposed action?  
      | NO | YES | N/A |
      | ✓   |     |     |
   c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?  
      | NO | YES | N/A |
      |     | ✓   |     |

9. Does the proposed action meet or exceed the state energy code requirements?  
   If the proposed action will exceed requirements, describe design features and technologies:  
   Where applicable this project will meet or exceed state energy code requirements.  
      | NO | YES |
      |     | ✓   |

10. Will the proposed action connect to an existing public/private water supply?  
    If No, describe method for providing potable water:  
    N/A to activities proposed.  
      | NO | YES |
      | ✓   |     |

11. Will the proposed action connect to existing wastewater utilities?  
    If No, describe method for providing wastewater treatment:  
    N/A to activities proposed.  
      | NO | YES |
      | ✓   |     |

12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?  
      | NO | YES | N/A |
      | ✓   |     |     |
   b. Is the proposed action located in an archeological sensitive area?  
      | NO | YES | N/A |
      | ✓   |     |     |

13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?  
      | NO | YES | N/A |
      | ✓   |     |     |
   b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?  
      If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres:  
      | NO | YES |
      | ✓   |     |

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:  
   Shoreline ✓ Forest     Agricultural/grasslands     Early mid-successional  
   Wetland ☑ Urban ☑ Suburban  

15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?  
    | NO | YES |
    | ✓   |     |

16. Is the project site located in the 100 year flood plain?  
    | NO | YES |
    |     | ✓   |

17. Will the proposed action create storm water discharge, either from point or non-point sources?  
    If Yes,  
    a. Will storm water discharges flow to adjacent properties?  
       | NO | YES |
       | ✓   |     |
    b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?  
       If Yes, briefly describe:  
       | NO | YES |
       | ✓   |     |
18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)?
If Yes, explain purpose and size: ____________________________________________

   [ ] NO  [ ] YES

19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?
If Yes, describe: __________________________________________________________

   [ ] NO  [ ] YES

20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?
If Yes, describe: __________________________________________________________

   [ ] NO  [ ] YES

I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Applicant/sponsor name: Dan Hall Land Use Ecological Services, Inc.  Date: September 4, 2018
Signature: __________________________________________________________________

Part 2 - Impact Assessment. The Lead Agency is responsible for the completion of Part 2. Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept “Have my responses been reasonable considering the scale and context of the proposed action?”

<table>
<thead>
<tr>
<th>Question</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
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<tbody>
<tr>
<td>1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?</td>
<td>[ ]</td>
<td>[ ]</td>
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<tr>
<td>2. Will the proposed action result in a change in the use or intensity of use of land?</td>
<td>[ ]</td>
<td>[ ]</td>
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<tr>
<td>3. Will the proposed action impair the character or quality of the existing community?</td>
<td>[ ]</td>
<td>[ ]</td>
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<tr>
<td>4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>
| 7. Will the proposed action impact existing:
   a. public / private water supplies? | [ ] | [ ] |
   b. public / private wastewater treatment utilities? | [ ] | [ ] |
| 8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources? | [ ] | [ ] |
| 9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)? | [ ] | [ ] |
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?  

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11. Will the proposed action create a hazard to environmental resources or human health?  

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**Part 3 - Determination of significance.** The Lead Agency is responsible for the completion of Part 3. For every question in Part 2 that was answered “moderate to large impact may occur”, or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

☐ Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.

☐ Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.

<table>
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<tr>
<th>Name of Lead Agency</th>
<th>Date</th>
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Print or Type Name of Responsible Officer in Lead Agency  

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<th>Title of Responsible Officer</th>
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Signature of Responsible Officer in Lead Agency  

Signature of Preparer (if different from Responsible Officer)
ENVIRONMENTAL QUESTIONNAIRE

This is intended to supplement ENG Form 4345, Application for Department of the Army Permit, or the Joint Application for Permit used in the State of New York. Please provide complete answers to all questions below which are relevant to your project. Any answers may be continued on separate sheet(s) of paper to be attached to this form.

PRIVACY ACT STATEMENT

The purpose of this form is to provide the Corps of Engineers with basic information regarding your project. This information will be used to facilitate evaluation of your permit application and for public dissemination as required by regulation. Failure to provide complete information may result in your application being declared incomplete for processing, thereby delaying processing of your application.

GENERAL--APPLICABLE TO ALL PROJECTS

1. Explain the need for, and purpose of, the proposed work.
   Flood and erosion protection, shoreline and bluff stabilization.

2. Provide the names and addresses of property owners adjacent to your work site (if not shown on the application form or project drawings).
   North: Douzinas 28 East Gate Road, Lloyd Harbor, NY 11743
   South: Hamigua LLC 26 East Gate Road, Lloyd Harbor, NY 11743

(Please note that depending upon the nature and extent of your project, you may be requested to provide the names and addresses of additional property owners proximate to your project site to ensure proper coordination.)

3. Photographs of the project site should be submitted. For projects in tidal areas, photographs of the waterway vicinity should be taken at low tide. Using a separate copy of your plan view, indicate the location and direction of each photograph as well as the date and time at which the photograph was taken. Provide a sufficient number of photographs so as to provide a clear understanding of conditions on and proximate to your project site. Photographs are attached.

4. Provide a copy of any environmental impact statement, or any other environmental report which was prepared for your project. None prepared.
5. Provide a thorough discussion of alternatives to your proposal. This discussion should include, but not necessarily be limited to, the "no action" alternative and alternative(s) resulting in less disturbance to waters of the United States. For filling projects in waters of the United States, including wetlands, your alternatives discussion should demonstrate that there are no practicable alternatives to your proposed filling and that your project meets with current mitigation policy (i.e. avoidance, minimization and compensation).

No alternatives have been considered which would meet the goals for this project.

**DREDGING PROJECTS**  N/A

Answer the following if your project involves dredging.

1. Indicate the estimated volume of material to be dredged and the depth (below mean low water) to which dredging would occur. Would there be overdepth dredging?  N/A

2. You can apply for a ten-year permit for maintenance dredging. If you wish to apply for a ten-year permit, please provide the number of additional dredging events during the ten-year life of the permit and the amount of material to be removed during future events.  N/A

3. Indicate of your drawings the dewatering area (if applicable) and disposal site for the dredged material (except landfill sites). Submit a sufficient number of photographs of the dewatering and disposal sites as applicable so as to provide a clear indication of existing conditions. For ten-year maintenance dredging permits, indicate the dewatering/disposal sites for future dredging events, if known.  N/A

4. Describe the method of dredging (i.e. clamshell, dragline, etc.) and the expected duration of dredging.  N/A

5. Indicate the physical nature of the material to be dredged (i.e. sand, silt, clay, etc.) and provide estimated percentages of the various constituents if available. For beach nourishment projects, grain size analysis data is required.  N/A
6. Describe the method of dredged material containment (i.e. hay bales, embankment, bulkhead, etc.) and whether return flow from the dewatering/disposal site would reenter any waterway. Also indicate if there would be any barge overflow.

N/A

MOORING FACILITIES

N/A

Answer the following if your project includes the construction or rehabilitation of recreational mooring facilities.

1. It is generally recommended that any fixed piers and walk ramps be limited to four feet in width, and that floats be limited to eight feet in width and rest at least two feet above the waterway bottom at mean low water. Terminal floats at private, non-commercial facilities should be limited to 20 feet in length. If you do not believe your proposal can meet with these recommendations, please provide the reason(s).

N/A

2. Using your plan view, show to scale the location(s), position(s) and size(s) (including length, beam and draft) of vessel(s) to be moored at the proposed facility, including those of transient vessel(s) if known.

N/A

3. For commercial mooring sites such as marinas, indicate the capacity of the facility and indicate on the plan view the location(s) of any proposed fueling and/or sewage pumpout facilities. If pumpout facilities are not planned, please discuss the rationale below and indicate the distance to the nearest available pumpout station.

N/A

4. Indicate on your plan view the distance to adjacent marine structures, if any are proximate and show the locations and dimensions of such structures.

N/A
5. Discuss the need for wave protection at the proposed facility. Please be advised that if a permit is issued, you would be required to recognize that the mooring facility may be subject to wave action from wakes of passing vessels, whose operations would not be required to be modified. Issuance of a permit would not relieve you of ensuring the integrity of the authorized structure(s) and the United States would not be held responsible for damages to the structure(s) and vessel(s) moored thereto from wakes from passing vessels.

BULKHEADING/BANK STABILIZATION/FILLING ACTIVITIES

Answer the following if your project includes construction of bulkheading (also retaining walls and seawalls) with backfill, filling of waters/wetlands, or any other bank stabilization fills such as riprap, revetments, gabions, etc.

1. Indicate the total volume of fill (including backfill behind a structure such as a bulkhead) as well as the volume of fill to be placed into waters of the United States. The amount of fill in waters of the United States can be determined by calculating the amount of fill to be placed below the plane of spring high tide in tidal areas and below ordinary high water in non-tidal areas.

   485 Linear feet. 2,386 c.y. of clean sand, 1,824 c.y. core stones, and 3,587 tons of boulders / cap stones. 7.40 tons per linear foot is proposed; 3.70 +/- tons per linear foot above the grade / AHW, and 3.70 +/- tons per linear foot below grade / AHW is proposed. Please see plans for detailed specifications.

2. Indicate the source(s) and type(s) of fill material.

   Clean sand from an upland source.

3. Indicate the method of fill placement (i.e. by hand, bulldozer, crane, etc.). Would any temporary fills be required in waterways or wetlands to provide access for construction equipment? If so, please indicate the area of such waters and/or wetlands to be filled, and show on the plan and sectional views.

   Stone and materials will be placed via small small crane / excavator via barge.
Petersen – Lloyd Harbor
(July 2018)

Looking east northeast at existing bluff and shoreline at site.

Looking east southeast at existing bluff and shoreline at site.
Looking east at existing bluff and shoreline at project site.
Petersen – 26 East Gate Road, Lloyd Harbor, NY

Quadrangle: Lloyd Harbor

Location map taken from Googlemaps.com

Land Use Ecological Services, Inc.
570 Expressway Drive South, Suite 2F
Medford, NY 11763
Tel. 631-727-2400 Fax.631-727-2605

Lat: 40 53 22.18 N
Long: 73 28 18.67 W
To All Regulatory Agencies:

Please be advised that Land Use Ecological Services, Inc. has permission to apply for all approvals necessary to complete my project.

________________________
Signature

________________________
Print Name

9/11/18
Date