WASHINGTON STATE DEPARTMENT OF ECOLOGY

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PEND OREILLE CO.
COMMUNITY DEVELOPMENT

ENVIRONMENTAL CHECKLIST

***Purpose or Checklist*:**

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (E1S) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply". Complete answers to the questions now may avoid unnecessary delays later .
Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use this checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." In addition, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer", and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable: **Dilling Bank Stabilization & Dock Replacement**

2. Name of applicant: **Marsha Dilling, Contact Agent: David Hood**

3. Address and phone number of applicant and contact person:

1901 Riverbend Loop Rd.
Cusick, Wa. 99119

Contact: 351 Driskill Rd.
Newport, Wa. 99156

4. Date checklist prepared: **4/25/2016**

5. Agency requesting checklist: ***Pend Oreille County***

6. Proposed timing or schedule (including phasing, if applicable): ***No Phasing involved, Start fall 2016 to be completed by fall 2019.***

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal'? If yes, explain. ***NO***

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. ***RGP7 & JARPA.***

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. ***NO***

10. List any government approvals or permits that will be needed for your proposal, if known.

Pend Oreille County: Shoreline Authorization Permit
WA Fish and Wildlife: Hydraulic Project Approval
US Army Corps of Engineers: Federal Authorization

11. Give brief, complete description of your proposal, including the proposed uses' and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies; may modify this form to include additional specific information on project Description.)

The Dilling site has a severely eroded bank failure and in danger of lose to 5-6 cottonwood trees in front yard. The residence and front patio are becoming threatened, along with the river access stairs becoming unsafe. Stabilization is needed to repair the large scour for home and the stairs are failing from there attachment. This design implements technique #5, toe armoring with bank slope reduction to a 1.5:1 ± ratio for this high risk site. This project consists of approximately 70 l.f.± by approximately 6'-8' height of riverbank failure erosion scour to repair. The stone material shall come from the Dawson Pit and shall be approximately 0.45 yds. per lineal foot. Rock toe, and bank will be planted with native riparian vegetation, erosion control grasses and coyote willow, etc. Large wood (rootwads) along with the planting plan will incorporate added fish enhancement and shall help mitigate for no loss of shoreline functions. Extra dense plantings are needed to establish deep growth. Willow whips in stone and dense plantings in the 2'-3' top of bank planting strip to accomplish the robust planting plan, as per site visit with Pend Oreille County, and agencies on 10/20/2015. The existing 8x24 deteriorated dock will be replaced with an S&K dock of same size, and adding 2-6" pilings will be a part of this project. The replacement will be within the RGP-7 for sq. ft. and less than 55' waterward.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description. site plan, vicinity map, and topographic map. if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist:

Take: **LeClerc Road north to Riverbend Loop Road, westerly (left) on Riverbend Loop Road, northerly end of subdivision, proceed to 1901 Riverbend Loop Rd.**

B. ENVIRONMENTAL ELEMENTS

1. EARTH

a. General description of the site (circle one) *flat, rolling,* hilly, steep slopes, mountainous, other.
b. What is the steepest slope on the site? (approximate percent slope) *≤10%*
c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification or agricultural soils, specify them and note any prime farmland. ***Sandy, Clay, Gravelly, Silty and Sandy lenses.***

Are there surface indications or history of unstable: soils in the immediate vicinity? **YES** If so, describe purpose, type, and approximate quantities of any filling of grading proposed. Indicate source of fill. **Severe toe erosion along riverbank toe and bank failure to be repaired. Property is rated as Moderate Erosion Rate area from the erosion map, along with the dense population subdivision impact of heavy boat and wave action. This has caused the lose of stairs along with continued lose of bank breaking off with heavy mass failure.**

Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill. (See above) ***approximately 35 yds of stone from Dawson's Pit to be placed along the bank failure area.***

d. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. ***No,***
e. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings). ***N/A Bank Stabilization only***
f. Proposed measures to reduce of control erosion, or other impacts to the earth, if any: **Work to be done in low water times and include best management practices for installation and procedures, to minimize silting or disturbance as much as possible.**

2. AIR

a. What types of emissions to the air would result from the proposal(i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? **N/A.**
b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. ***NO***
c. Proposed measures to reduce or control emissions or other impacts to air, if any: ***None.***

3. WATER

a. Surface:
   1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, pond, wetlands)? If yes, describe type and provide manes, If appropriate, state what stream or river it flows into. ***Project***

lies on the easterly side of the Pend Oreille River, approximately 10 miles north of Cusick. In the Riverbend Subdivisions.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. ***This proposal seeks to construct toe stabilization, an bank scour repair..***
3) Estimate the amount of fill and dredge material that would be placed in of removed from surface water of wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. ***30-35 yds. or 0.45 yds per ft.±***
4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities of known. ***No***
5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. ***Yes, Elevations as shown on the site plan attached.***
6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. ***NO***

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities: if known. ***No.***
2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial. Containing the following chemicals…; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.
None

c. Water Runoff (including storm water):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known) where this water will flow? Will this water flow into other waters? If so, describe. ***No.***
2) Could waste materials enter ground surface waters? If so, generally describe. ***No.***
3) Proposed measure to reduce or control surface, ground, and runoff water impacts, if any: ***No***

4. PLANTS

a. Check or circle types of vegetation found on the site:

_x__ deciduous tree: alder, maple, aspen, other
_x_ evergreen tree: fir, cedar, pine, other
_x__ shrubs
_x__ grass
____ pasture
____ crop or grain
____ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
____ water plants: water lily, eelgrass, milfoil, other
_x__ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?
minor native grasses and or plants are to be removed only to stabilize the riverbank& toe. Replant useable cuttings during and after the repair.

c. List threatened or endangered species known to be on or near the site. **Possibly Bull Trout**

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

See attached sheets for planting notes and general placement locations. bank will be planted with native riparian vegetation, erosion control grasses and coyote willow, etc.... The grass seed will be broadcast over the entire surface of the project area.

5. ANIMALS

a. Circle any birds or animals which have been observed on or near the site or are known to be on or near the site: Yes, Pacific flyway for waterfowl, raptors, and songbirds.

Birds: hawks, geese , eagle, songbirds, other: _____
Mammals: deer, bear, elk, beaver, other: _____
Fish: bass, salmon, trout, herring, shellfish, other: _pike_____

b. List any threatened or endangered species known to be on or neat the site. **Possible *Bull Trout***

c. Is the site part of or a migration site? If so, Explain: ***No***

d. Proposed measures to preserve or enhance wildlife, if any: ***By proposing construction during low water times and not in nesting times to minimize impact on low lands and its wildlife.***

6. ENERGY AND NATURAL RESOURCES

a. What kind of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. ***No***

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. ***NO***

c. What kind of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: ***None.***

7. ENVIRONMENTAL HEALTH

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. ***NO***

1) Describe special emergency services that might be required. ***NONE***
2) Proposed measures to reduce or control environmental health hazards, if any. ***NONE.***

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? ***None***
2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would cone from the site. ***Only that normally associated with the construction of bank stabilization, short term only.***
3) Proposed measures to reduce or control noise impacts, if any. ***NONE***

8. LAND AND SHORELINE USE

a. What is the current use of the site and adjacent properties? ***Residential-Recreational lots on both sides of site. Within "Riverbend Subdivisions" impact area and dense population.***
b. Has the site been used for agriculture? If so, describe. ***No.***
c. Describe any structures on the site. ***Existing Home, and storage shed.***
d. Will any structures be demolished? If so, what? ***none***
e. What is the current zoning classification of the site? **R10**
f. What is the current comprehensive plan designation of the site? ***R10***
g. If applicable, what is the current shoreline master program designation of the site? ***Rural Residential***
h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify. ***NO***
i. Approximately how many people would reside or work in the completed project? ***none***
j. Approximately how many people would the completed project displace? ***None***
k. Proposed measures to avoid or reduce displacement impacts, if any: ***None***
l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: ***The applicants will preserve much of the natural resources, and will maintain the recreational environment.***

9. HOUSING

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing: ***None***
b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing: ***None***
c. Proposed measures to reduce or control housing impacts, if any: ***None***

10. AESTHETICS

a. What is the tallest height of any proposed structures not including antennas; what is the principle exterior building material(s) proposed? ***None***
b. What views in the immediate vicinity would be altered or obstructed? ***None***
c. Proposed measures to reduce or control aesthetic impacts, if any: ***None.***

11. LIGHT AND GLARE

a. What type of light or glare will the proposal produce? What time of day would it mainly occur? ***None***
b. Could light or glare from the finished project be a safety hazard or interfere with views? ***No***
c. What existing off-site sources of light or glare may affect your proposal? ***None***
d. Proposed measures to reduce or control light and glare impacts, if any: ***None***

12. RECREATION

a. What designated and informal recreational opportunities are in the immediate vicinity? ***Boating, fishing, hiking, hunting, biking and most other activities associated with rural living.***
b. Would the proposed project displace any existing recreational uses? If so, describe. ***None.***
c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project of applicant, if any: ***None.***

13. HISTORIC AND CULTURAL PRESERVATION

a. Are there any places or objects listed on, or proposed for, national, or local preservation registers known to be on or next to the site? If so, generally describe. *No*
b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. ***None***
c. Proposed measures to reduce or control impacts, if any: ***None***

14. **TRANSPORTATION**

Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any. ***Access is via LeClerc Rd.*** **North to Riverbend Loop Rd.**

Is the site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? *No*

a. How many parking spaces would the competed project have? ***None***
b. How may would the project eliminate? ***None.*** .
c. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public of private). *No*
d. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. ***None.***
e. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. ***None.***
f. Proposed measures to reduce or control transportation impacts, if any: ***None.***

15. **PUBLIC SERVICES**

a. Would the project result in an increase need for public services (for example: fire protection, police protection, health care, schools other)? If so, generally describe. ***No.***
b. Proposed measures to reduce or control direct impacts on public services, if any. ***None.***

16. **UTILITIES**

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.
b. Describe utilities that are proposed for the project, the utility providing the service and the general construction activities on the site or in the immediate vicinity, which might be needed. ***None.***

SIGNATURE

The above answers are true and complete to the best of my knowledge; I understand that the lead agency is relying on them to make its decision.

Signature: Marsha Dilling

Date Submitted: May 23, 2016