

CITY OF MERCER ISLAND
COMMUNITY PLANNING & DEVELOPMENT

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CITY USE ONLY

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ENVIRONMENTAL CHECKLIST

PURPOSE OF 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 (EIS) 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.

PRE-APPLICATION MEETING

A pre-application meeting is used to determine whether a land use project is ready for review, to review the land use application process, and to provide an opportunity for initial feedback on a proposed application. Some land use applications require a pre-application – in particular: short and long subdivisions, lot line revisions, shoreline permits, variances, and critical area determinations. The City strongly recommends that all land use applications use the pre-application process to allow for feedback by City staff.

Please note: pre-application meetings are held on Tuesdays, by appointment. To schedule a meeting, submit the meeting request form and the pre-application meeting fee (see fee schedule). Meetings must be scheduled at least one week in advance. Applicants are required to upload a project narrative, a list of questions/discussion points, and preliminary plans to the Mercer Island File Transfer Site one week ahead of the scheduled meeting date.

SUBMITTAL REQUIREMENTS

In addition to the items listed below, the code official may require the submission of any documentation reasonably necessary for review and approval of the land use application. An applicant for a land use approval and/or development proposal shall demonstrate that the proposed development complies with the applicable regulations and decision criteria.

- A. **Completed pre-application.**
- B. **Development Application Sheet.** Application form must be fully filled out and signed.
- C. **Development Plan Set.** Please refer to the Land Use Application- Plan Set Guide in preparing plans.
- D. **Title Report.** Less than 30 days old.
- E. **SEPA checklist.**

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 OF CHECKLIST FOR NONPROJECT PROPOSALS

For nonproject proposals complete this checklist and the supplemental sheet for nonproject actions (Part D). The lead agency may exclude any question for the environmental elements (Part B) which they determine do not contribute meaningfully to the analysis of the proposal. 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:

Hou Critical Areas Determination

2. Name of applicant:

SNG
Sang Hou.

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

7022 E Mercer Way, Mercer Island, WA 98090
206-948-7698 Sang Hou.

4. Date checklist prepared:

Feb 11th. 2019

5. Agency requesting checklist:

City of Mercer Island

6. Proposed timing or schedule (including phasing, if applicable):

An Associated building permit will be applied for in
Spring - 2019. Construction of a single family residence and
implementation of the Critical Areas Determination will
likely occur in 2020

7. Do you have any plans for future additions, expansions, or further activity related to or connected with this proposal? If yes, explain:

Single family home is planned near future

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

Critical area report
Arborist Report
Geotechnical Engineering Report

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:

A Future single family home building permit

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 project is to reduce a Category III wetland to allow the construction of a single family home. The project size is about 26,961 SF. The proposed home will be 3000 ~ 3500 SF. Wetland buffer is proposed to be partially reduced from 50 feet to 25 feet.

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.

The location of project is "4825 E Merrer Way, Merrer Island WA".
At the cross of E Merrer Way & E Merrer Highland Dr, head to E Merrer Highland Dr. When you reach the road divide, take left. And soon, you can see the 4819 E Merrer Way Home. The project site is south side of 4819 E Merrer Way.

Legal Description

EAST MERCER HIGHLANDS ADD & UND INT
PRIVATE RD

PLAT Block

PLAT Lot: 7

Quarter - Section - Township - Range NE -19-24-5

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (check one):

Flat Rolling Hilly Steep slopes Mountainous Other

b. What is the steepest slope on the site (approximate percent slope)?

I don't know

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

Primarily Lawton Clay (Qals) and
Slide debris

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

City's GIS map indicate a geologic contact underlain by shallow groundwater intersect the site. The GIS map also indicates a land slide has occurred on the site

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

Proposed buildable area 4960 SF

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Best management practices as recommended by the project geotechnical engineering will be followed

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

About 18%

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Geotechnical Engineering Recommendation will be followed

2. Air

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, and industrial wood smoke) during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Dust
Automobile

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

Don't know

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Standard BMPs

3. Water

- a. Surface:

- i. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Type 2 Watercourse and a Category II Wetland
they flow into Lake Washington

- ii. 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.

Yes, but outside of buffer. A portion of the wetland
buffer is proposed for reduction pursuant to the
Critical Area Determination.

- iii. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None - No fill within Wetland or streams
is proposed

- iv. Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No

- v. Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No

- vi. 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

- i. Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well? Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No

- ii. 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.

No

c. Water runoff (including stormwater):

- i. Describe the source of runoff (including stormwater) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Stormwater runoff will be addressed during the building permit review. Runoff may be directed to the ditch adjacent to the eastern property line, or the on site watercourse

- ii. Could waste materials enter ground or surface waters? If so, generally describe.

The project will comply with NPDES requirements and will comply BMPs to prevent waste materials entering ground or surface waters.

- d. Proposed measures to reduce or control surface, ground, runoff water, and drainage pattern impacts, if any:

The project will comply with NPDES requirements and will comply BMPs to prevent waste materials entering ground or surface waters

4. Plants

- a. Check types of vegetation found on the site
- Deciduous tree: Alder, Maple, Aspen, other
 - Evergreen tree: Fir, Cedar, Pine, other
 - Shrubs
 - Grass

- Pasture
- Crop or grain
- Wet soil plants: Cattail, buttercup, bulrush, skunk cabbage, other
- Water plants: Water lily, eelgrass, milfoil, other
- Other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Less than 500 SF of Native vegetation, including trees and shrubs, will be removed

c. List threatened or endangered species known to be on or near the site.

No threatened or endangered species are known to use the site.

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

Native vegetation in buffer will be enhanced.

e. List all noxious weeds and invasive species known to be on or near the site.

None known on site

5. Animals

a. State any birds and animals which have been observed on or near the site or are known to be on or near the site. Examples include:

Birds: hawk, heron, eagle, songbirds, other:

Mammals: deer, bear, elk, beaver, other:

Fish: bass, salmon, trout, herring, shellfish, other:

Bald Eagle

b. List any threatened or endangered species known to be on or near the site.

No threatened or endangered species known to use site. Bald Eagles use the site for perching, but not for nesting or roosting

c. Is the site part of a migration route? If so, explain.

Site is part of the Pacific Flyway, as is most of the Puget sound region.

d. Proposed measure to preserve or enhance wildlife, if any:

Preservation of critical areas, including buffers, on site. as well as preservation of select large trees.

e. List any invasive animal species known to be on or near the site.

None Known

6. Energy and natural resources

a. What kinds 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.

Electric
Natural gas

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

The house will be constructed according to building codes

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.

Paint

i. Describe any known or possible contamination at the site from present or past uses.

No Contamination

ii. Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None Known

iii. Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

Paint

iv. Describe special emergency services that might be required.

None Known

v. Proposed measures to reduce or control environmental health hazards, if any:

None Known

b. Noise

i. What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

I don't know

ii. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Construction: About 8 hours/day

iii. Proposed measures to reduce or control noise impacts, if any:

Construction of the home will comply with the city's nuisance code which limits construction hours.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

Currently property is vacant
Neighborhood is single family home

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

No

c. Describe any structures on the site

No structures

d. Will any structures be demolished? If so, what?

No

e. What is the current zoning classification of the site?

Single Family home residential

f. What is the current comprehensive plan designation of the site?

Single Family home residential

g. If applicable, what is the current shoreline master program designation of the site?

Not applicable.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

There is a steep slope Hazard, a type 2 Stream, and a Category II wetland

i. Approximately how many people would reside or work in the completed project?

425

j. Approximately how many people would the completed project displace?

0

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not applicable

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Existing & projected land use is the same with no change proposed

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

Single family home, middle-income housing

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

No

c. Proposed measures to reduce or control housing impacts, if any:

None

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas? What is the principal exterior material(s) proposed?

I don't know but maybe 30 ~ 35 feet.
Height will be limited by city's regulation
wood

b. What views in the immediate vicinity would be altered or obstructed?

I don't think so.

c. Proposed measures to reduce or control aesthetics impacts, if any:

Native vegetation retained to the greatest extent practicable
that will screen property to some degree.

11. Light and glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Entrance door lights after sunset

b. Could light or glare from the finished project be a safety hazard or interfere with views?

I don't think so

c. What existing off-site sources of light or glare may affect your proposal?

I don't know

d. Proposed measures to reduce or control light and glare impacts, if any:

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

I don't know

b. Would the proposed project displace any existing recreational uses? If so, describe.

No

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None Needed

13. Historic and cultural preservation

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

No

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

None known

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

None

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

None

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

property - E Mercer Highland Dr - E Mercer Way

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

About 0.7 mile

- c. How many additional parking spaces would the completed project or nonproject proposal have? How many would the project or proposal eliminate?

Probably 2 Car parking space will be made

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

I don't know. Transportation concurrency ^{review} ~~required~~ will be required.

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and non-passenger vehicles). What data or transportation models were used to make these estimates?

9.44 Average daily trips would be generated ~~per~~ per the 2017 version of the ITE Trip Generation Manual

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No

- h. Proposed measures to reduce or control transportation impacts, if any:

does not apply

15. Public services

- a. Would the project result in an increased need for public services (for example; fire protection, police protection, health care, schools, other)? If so, generally describe.

I think just usual increase would happen for single family home

- b. Proposed measures to reduce or control direct impacts on public services, if any.

does not apply

16. Utilities

a. Check utilities currently available at the site:

Electricity

Natural Gas

Water

Refuse Service

Telephone

Sanitary sewer

Septic system

Other

All of these needs to connect

b. Describe the 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.

C. SIGNATURE

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the answers to the attached SEPA Checklist 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: _____

[Handwritten Signature]

Date Submitted: _____

Feb 11. 2019

SEPA RULES

SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; productions, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

[Statutory Authority: RCW [43.21C.110](#). WSR 16-13-012 (Order 15-09), § 197-11-960, filed 6/2/16, effective 7/3/16. Statutory Authority: RCW [43.21C.110](#) and [43.21C.100](#) [43.21C.170]. WSR 14-09-026 (Order 13-01), § 197-11-960, filed 4/9/14, effective 5/10/14. Statutory Authority: RCW [43.21C.110](#). WSR 13-02-065 (Order 12-01), § 197-11-960, filed 12/28/12, effective 1/28/13; WSR 84-05-020 (Order DE 83-39), § 197-11-960, filed 2/10/84, effective 4/4/84.]