SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decisionmaking process.

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.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements -that do not contribute meaningfully to the analysis of the proposal.

A. Background [HELP]

1. Name of proposed project, if applicable: Sammamish 18th Assemblage

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2. Name of applicant:: Toll Bros., Inc.

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- 3. Address and phone number of applicant and contact person: 8815 122nd Ave NE, Kirkland WA 98033 / 425.825-5348 / Jeff Peterson
- 4. Date checklist prepared: 9/27/2018
- 5. Agency requesting checklist: King County DPER
- 6. Proposed timing or schedule (including phasing, if applicable): Start site work 5/2020
- 7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? **No expansion or addition is proposed.**
- 8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. A Wetland Reconnaissance was performed by Raedeke Associates and a Phase I Environmental study performed by Environmental Associates.
- 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. A prelimiminary plat application for Kensington Estates is proposed adjacent to the property.
- 10. List any government approvals or permits that will be needed for your proposal, if known. Demolition permits for existing structures, plat engineering approval by Sammamish Plateau Water.
- 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.) Redevelop 3 existing residential parcels into a 32-lot single family home plat. Install site utilities to support development including an infiltration vault, roads, and all utilities.
- 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. 3 existing parcels, 24403 / 24407, and 24515 NE 18th Street, Sammamish WA 98047. King County Parcel Numbers 2625069033, 2625069048, and 2625069090. Legal description and maps provided with the preliminary site plan.

B. Environmental Elements [HELP]

1. Earth [help]

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other Rolling

- b. What is the steepest slope on the site (approximate percent slope)? There is a small area of steep slope associated with the creation of the existing driveway of 24403 that is approximately 20%.
- 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. The site is primarily underlain by course sand to the west, and consolidated silty sands above elevation 360 to the east. No fill was discoved in the geotechnical explorations.
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe, No.
- 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. The site will be relatively balanced, with structural fill in west portion being sourced from onsite materials from the eastern portion. The stormwater vault will offset much of the necessary fill. An estimated 5900 CY of fill is necessary to balance the site, which will be sourced from nearby Toll sites or suitable material from the Kensington Enclave site if timing allows.
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. Limited erosion could occur as a result of the initial construction; however erosion control measures will be utilized during construction phase to minimize potential erosion impacts. Temporary erosion control plans will be submitted to King County for approval prior to any clearing and grading activity.
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? **Approximately 63.7%**
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: A temporary erosion and sediment control plan designed in accordance with King County standards will be employed during the construction phase of the project.

2. Air [help]

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. Heavy equipment operation and workers vehicles would generate exhaust emissions to the local air. Construction activity on-site could also stir up exposed soils and generate dust into the local air. The completed project would result in a minor increase in the amount of

exhaust related pollutants in the local air from project related traffic.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. None that the applicant is aware of.
- c. Proposed measures to reduce or control emissions or other impacts to air, if any: Watering of the site as necessary during the construction phase of the project will help control dust and other particulates.
- 3. Water [help]
- a. Surface Water: [help]
 - 1) 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. There are no onsite water bodies. The nearest water bodies are Allen Creek to the East and Mystic Lake to the West.
 - 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. No work is proposed within 200 feet of any water body.
 - 3) 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.**
 - 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. **No.**
 - 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
 - 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 Water: [help]
 - 1) 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. Water will be sourced from the municipal water system (Sammamish Plateau Water).
 - 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. No septic tanks are necessary. Sewer service for all lots will be provided by Sammamish Plateau Water.
- c. Water runoff (including stormwater):
 - 1) Describe the source of runoff (including storm water) 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. Runoff will be collected via a tight lined conveyance system and directed to onsite water quality facilities prior to infiltrating on site. An emergency overflow will connect to an existing storm system downstream. Refer to the Hydrological and Infiltration report by Associated Earth Sciences and the TIR for additional information.
 - 2) Could waste materials enter ground or surface waters? If so, generally describe. In accordance with King County codes, TESC and BMP's measures will be implemented to prevent waste materials from entering ground or surface waters during construction. Post construction, stormwater will be treated prior to entering the infiltration facility.
 - 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. The proposed drainage system was designed to mimic existing subsurface drainage patterns and conforms to King County drainage regulations.
- d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: On-site infiltration, detention and water quality facilities, as well as approved TESC BMP's, will be provided in accordance with the King County codes. The Engineer has designed a road and storm drainage plan as part of the preliminary plat.

4. Plants [help]
a. Check the types of vegetation found on the site:
Xdeciduous tree: alder, maple, aspen, otherXevergreen tree: fir, cedar, pine, otherXshrubsXgrasspasturecrop or grainOrchards, vineyards or other permanent cropswet soil plants: cattail, buttercup, bullrush, skunk cabbage, otherwater plants: water lily, eelgrass, milfoil, otherother types of vegetation
b. What kind and amount of vegetation will be removed or altered? To generate the site grade appropriate for the proposed buildings and infrastructure, all vegetation within the developed portion of the site will be removed with exception of protected areas associated with tree retention. In addition, vegetation will be removed, and then replanted, in the proposed east-west running utility corridor in the northern portion of the site.
c. List threatened and endangered species known to be on or near the site. There are no known threatened or endangered species located on or near the site.
d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: The ultimate development of new single-family residences will provide new landscaping including such features as replacement trees, new lawns, shrubs and ornamental trees. Existing vegetation within the tree retention tract will be preserved. Additional tree retention areas on lots will have invasive plants removed and natural vegetation enhanced.
e. List all noxious weeds and invasive species known to be on or near the site. Some minor amounts of Himalayan Blackberry and English Holly was noted on the site.

to be on or near the site.

5. Animals [help]

a. List any birds and other animals which have been observed on or near the site or are known

Examples include:

birds: hawk, heron, eagle, <u>songbirds</u>, other: mammals: deer, bear, elk, beaver, other: <u>rabbits and chipmunks</u> fish: bass, salmon, trout, herring, shellfish, other

- b. List any threatened and endangered species known to be on or near the site. **None that the applicant** is aware of
- c. Is the site part of a migration route? If so, explain. No.
- d. Proposed measures to preserve or enhance wildlife, if any: A tree retention tract is proposed on the Southeast portion of the site that will support some forms of wildlife. The eastern edge of the project will retain trees supporting birds and chipmunks.
- e. List any invasive animal species known to be on or near the site. There are no known invasive species onsite.

6. Energy and Natural Resources [help]

- 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 and/or natural gas will be used to meet the energy needs of the new homes.
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. **Not that the applicant is aware of.**
- 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 buildings will be constructed to meet or exceed applicable current local, state and/or federal building codes to ensure compliance with energy conservation.

7. Environmental Health [help]

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. None that the applicant is aware of. Testing for lead paint was negative. Aesbestos, if discovered, will be abated in accordance with state requirements.

- Describe any known or possible contamination at the site from present or past uses.
 The applicant has conducted a Phase I environmental assessment and no contamination is known or suspected on this site.
- 2) 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. **No known hazardous chemicals/conditions are located on site.**
- 3) 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. Chemicals typically used in residential construction such as paint and cleaning chemicals will be used and will be managed and regulated under the SWPPP for this project.
- 4) Describe special emergency services that might be required. The construction of 32 new single family homes may increase the need for emergency services. Fire and emergency medical services are paid for out of property taxes currently paid for by the owner and will increase with future lots and property owners.
- 5) Proposed measures to reduce or control environmental health hazards, if any: State regulations regarding safety and the handling of hazardous materials would be enforced during the demolition and construction processes.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? The dominant source of noise would be from traffic on 244th Ave SE.
- 2) 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 activities on the site will temporarily increase the peak onsite noise levels. All construction will follow King County approved hours of operation. The complete project would result in a slight increase in ambient noise levels in the vicinity.
- 3) Proposed measures to reduce or control noise impacts, if any: Construction activity will be limited to hours as specified by King County which will mitigate the impacts of potential construction noise.

8. Land and Shoreline Use [help]

- 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. All site parcels are currently developed as single family homes. Parcels to the North are currently being platted into a residential subdivision, parcels to the South and East are large-lot single family homes. Parcels to the Southeast are a newly platted residential subdivision, and parcels to the west include the Sammamish Public Works facilities and a church.
- 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? None that the applicant is aware of.
- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: **None that the applicant is aware of.**
- c. Describe any structures on the site. 24403 has a 1998 era 2-story home. 24407 has a 1969 era home and several outbuildings. 24515 has a 2003 era home and detached garage.
- d. Will any structures be demolished? If so, what? All existing structures will be demolished.
- e. What is the current zoning classification of the site? R-4
- f. What is the current comprehensive plan designation of the site? **Urban Residential**Medium 4-12du/ac
- g. If applicable, what is the current shoreline master program designation of the site? N/A
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. **No.**

- Approximately how many people would reside or work in the completed project? Assuming
 persons per new home, approximately 80 people will live in the completed project.
- j. Approximately how many people would the completed project displace? ? Assuming 2.5 persons per new home, approximately 8 people will be displaced.
- k. Proposed measures to avoid or reduce displacement impacts, if any: 29 additional new single family residences are proposed to reduce displacement.
- L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: The proposed development is designed in accordance with King County codes.
- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: Surrounding properties are residential uses, compatible with this proposal, and in accordance with the comprehensive plan and zoning code.

9. Housing [help]

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. **32 Middle income market rate units are proposed.**
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. **3 Middle income market rate units will be eliminated.**
- c. Proposed measures to reduce or control housing impacts, if any: 29 additional new single family residences are proposed to control housing impacts.

10. Aesthetics [help]

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? Final architectural plans have not been developed to date. However, the proposed development will be governed by height restrictions dictated by the King County code
- b. What views in the immediate vicinity would be altered or obstructed? No views in the immediate vicinity would be altered, although the streetscape along 18th and 244th will be altered with with site improvements.
- b. Proposed measures to reduce or control aesthetic impacts, if any: The corner of 244th and 18th is proposed to be an attractive landscaped pocket park above the stormwater facility. R-4 zoning and the subdivision regulations have additional control over articulation and aesthetics internal to the project.

11. Light and Glare [help]

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? The completed project will generate limited light and glare as typically associated with residential development.
- b. Could light or glare from the finished project be a safety hazard or interfere with views? Under normal circumstances it is not anticipated that light or glare from the finished project will present a safety hazard or block views.
- c. What existing off-site sources of light or glare may affect your proposal?

 None known.
- d. Proposed measures to reduce or control light and glare impacts, if any: **None are necessary or anticipated at this time.**

12. Recreation [help]

a. What designated and informal recreational opportunities are in the immediate vicinity? The Patterson Creek Natural area, Ravenhill Open Space, and Souring Eagle Regional Park all lie to the east of this project.

- b. Would the proposed project displace any existing recreational uses? If so, describe. **None known**.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: The proposal includes onsite recreation and a tree retention tract. In addition, the applicant has proposed an agreement with the City of Sammamish regarding a voluntary impact fee agreement for potential impacts to city parks.

13. Historic and cultural preservation [help]

- 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. The single family home located on parcel 1240700035 was built in 1969. The structure is not a rare or distinguished construction example and is not known to be listed on the national, state or local preservation registers. Although the building is approaching 50 years old it lacks character defining features that would make it eligible for the NRHP.
- 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. No, there are no known landmarks or features or evidence of cultural use, and the site has been in residential use since the 1960's.
- 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.
 Research of records provided in the environmental assessment, Woodhaven II SEPA and Woodhaven II construction (Adjacent to this proposed plat), review of DAHP WISAARD.
- 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.
 If cultural evidence is encountered during construction or installation of improvements, work will be halted in the area and a state approved archaeologist/historian will be engaged to investigate, evaluate and/or move or curate such resource as appropriate.

14. Transportation [help]

- 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. The plat will access the King County road system on NE 18th Street, which connects to 244th Ave NE in the city of Sammamish. SR202 Connects to 244th aproximatly 1 mile from the intersection with NE 18th.
- 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? The area is not currently served by transit. The closest known stop is near the intersection of 244th Ave NE and NE 8th St, 1.7 miles away.
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? The project would create approximately 128 parking spots and eliminate approximately 16.
- 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). The proposal requires ROW improvements to NE 18th Street, including widening of the existing road and installation of sidewalks. The proposal also requires shoulder work on 244th Ave NE and installation of sidewalks alng that arterial. NE 18th and 244th are both existing public roads. NE 18th is anticipated to be improved on the north side of the roadway in conjunction with Kensington Estates.
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. **No. None are in the immediate vicinity.**
- 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 nonpassenger vehicles). What data or transportation models were used to make these estimates? Per the TIA report provided by TENW, the total net weekday trips generated is 336, with 26 peak AM and 31 peak PM trips. The proposal is residential in nature and truck traffic associated with the project after completion would be negligible.
- 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 effect is anticipated.**

h. Proposed measures to reduce or control transportation impacts, if any: The applicant has
proposed an agreement for voluntary mititigation fees with the City of
Sammamish for use of their road network, and proposes to improve the
public ROW along NE 18 th and 244 th .

15. Public Services [help]

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. The proposed project will likely have an impact on public services as listed above.
- b. Proposed measures to reduce or control direct impacts on public services, if any. Lake Washington School District #414 currently has impact fees charged for new construction to mitigate impacts. Fire, police, and medical services are supported by property taxes which will be paid by the property owners.

io. Guillies meio	16.	Utilities	[hel	p
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a.	Underline utilities currently available at the site:
	lectricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system
	ther

c. 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.

The applicant proposes to extend existing services into the project, and construct new Sanitary Sewer lines connecting to existing facilities in 244th. An on-site facility will manage and infiltrate stormwater onsite.

C. Signature [HELP]

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:
Name of signeeJeff Peterson for Toll Bros., Inc
Position and Agency/OrganizationSr. Land Entitiement Manager
Date Submitted: 9/25/2018

Section I: Buildings

Emissions	² er	Unit	or I	Per	Thousand	Square	
Foot (MTCO20)							

		Square Feet (in				Lifespan
Type (Residential) or Principal Activity		thousands of				Emissions
(Commercial)	# Units	square feet)	Embodied	Energy	Transportation	(MTCO2e)
Single-Family Home	29		98	672	792	45293
Multi-Family Unit in Large Building	0		33	357	766	0
Multi-Family Unit in Small Building	0		54	681	766	0
Mobile Home	0		41	475	709	0
Education		0.0	39	646	361	0
Food Sales		0.0	39	1,541	282	0
Food Service		0.0	39	1,994	561	0
Health Care Inpatient		0.0	39	1,938	582	0
Health Care Outpatient		0.0	39	737	571	0
Lodging		0.0	39	777	117	0
Retail (Other Than Mall)		0.0	39	577	247	0
Office		0.0	39	723	588	0
Public Assembly		0.0	39	733	150	0
Public Order and Safety		0.0	39	899	374	0
Religious Worship		0.0	39	339	129	0
Service		0.0	39	599	266	0
Warehouse and Storage		0.0	39	352	181	0
Other		0.0	39	1,278	257	0
Vacant		0.0	39	162	47	0

Section II: Pavement.....

Pavement	40.09		2004

Total Project Emissions:

47298

Note that the applicant has discounted the application to reflect the number of new homes created. The existing homes date back to the 1960's and are assumed to be far less efficient. Additionally, two of the home being removed are significantly larger than those being replaced.