



**King County**  
**Department of Development**  
**and Environmental Services**  
 900 Oakesdale Avenue Southwest  
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**206-296-6600** TTY 206-296-7217

## STATE ENVIRONMENTAL POLICY ACT (SEPA) CHECKLIST

For alternate formats, call 206-296-6600.

### Purpose of the checklist

The State Environmental Policy Act (SEPA), RCW Chapter 43.21 C, 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.

### Instructions for the 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 impacts.

#### **A. Background**

1. Name of the proposed project, if applicable:  
     Big Finn Hill Park - Field Conversion
  
2. Name of applicant:  
     Kirkland Youth Lacrosse (and King County Parks) c/o Steve Lytle

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

8251 NE Juanita Drive  
Kirkland, WA 98034  
(425) 533-3589

4. Date checklist prepared: May 25, 2011 ( Updated October 2011 )

5. Agency requesting checklist: King County

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

Proposed work is to be completed prior to March of 2012.

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

Possible field house and scorekeeper hut. It is anticipated that these improvements will be pursued after the project site has been annexed by the City of Kirkland. The City of Kirkland will be the regulatory authority for those improvements.

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

None anticipated at this time.

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

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

SEPA

King County Clearing & Grading Permit (King County DDES)

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.)

Site Parcel is ~155.8-Acres, the entire park is 166 acres. Site project area is ~2.58-acres. There is an existing natural grass soccer field. The field will be replaced with a synthetic turf field of a footprint slightly smaller than the existing footprint. There will be field curbing around the new field, and some asphalt pavement pathways on the uphill portions (approximately 50%) of the field perimeter. There will be a small strip of asphalt (~2,000-sf) added as part of a parking reconfiguration, resulting in creation of 8 additional parking stalls. An underdrain system will be included under the field. The underdrain system will be connected to a new sand filter, which will drain runoff to an existing stormwater basin.

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 or sites. 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 to this checklist.

The site is located at 8106 NE 138th Street, Kirkland (King County), Washington 98034, in Section 24, Township 26N, Range 04E. The King County Parcel number is 242604-9013. The project site is just east of the park entrance on NE Juanita Drive.

To be completed by applicant	Evaluation for Agency Use Only
<p><b>B. Environmental elements</b></p>	
<p><b>1. Earth</b></p>	
<p>a. General description of the site (check one)</p> <p> <input type="checkbox"/> Flat  <input type="checkbox"/> Rolling  <input type="checkbox"/> Hilly  <input type="checkbox"/> Steep slopes  <input type="checkbox"/> Mountainous  <input checked="" type="checkbox"/> Other: <u>Sloped from north to south, flat across the field.</u> </p>	
<p>b. What is the steepest slope on the site (approximate percent of slope)?</p> <p>The steepest slopes are limited in extent, but are up to 33%, but much of the area is flatter (1% to 10%)</p>	
<p>c. What general types of soil are found on the site (i.e., clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.</p> <p>The soils at the project site are generally Alderwood gravelly sandy loam and Ragnar-Indianola association. These are SCS hydrologic soil groups C and B soils respectively.</p>	
<p>d. Are there surface indications or history of unstable soils in the immediate vicinity? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, describe.</p>	
<p>e. Describe the purpose, type and approximate quantities of any filling or grading proposed. Indicate source of fill.</p> <p>Topsoil will be removed from the work areas, approximately 2,500-CY. Field areas will be filled with field base rock and then covered with synthetic turf. Pathway and parking areas will be paved. A stormwater sand filter will be excavated, filled with sand and planted with grasses. An estimated 5,000-CY of fill will be imported for the aforementioned improvements.</p>	

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<p>f. Could erosion occur as a result of clearing, construction or use?  <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No   If so, generally describe.  Surfaces will be scraped and exposed, but temporary erosion and sedimentation control measures will be required and implemented.</p> <p>g. About what percent of the site will be covered with impervious surfaces after project construction (i.e., asphalt or buildings)?  Approximately 10% will be covered with impervious surfaces.</p> <p>h. Proposed measures to reduce or control erosion or other impacts to the earth, if any:  Typical required temporary erosion and sedimentation control measures will be implemented. These include: catch basin inserts, silt fencing, temporary swales, rock check dams, temporary sedimentation basins, plastic sheeting and other forms of temporary stabilization. Long term erosion and sedimentation control will largely be in the form of site stabilization (paving, turf covering, and revegetation).</p>	
<p><b>2. Air</b></p> <p>a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke, greenhouse gases) during construction and when the project is completed? If any, generally describe and give approximate quantities if known?  Dust during construction could be anticipated. However, typical dust control measures (watering) will be implemented. Construction equipment can also be expected to emit exhaust. These emissions are controlled at the state level and are only temporary.</p> <p>b. Are there any off-site sources of emissions or odor that may affect your proposal?   <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No   If so, generally describe.</p>	

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<p>c. Proposed measures to reduce or control emissions or other impacts to air, if any:</p> <p style="padding-left: 40px;">Watering of exposed dry soils.</p>	
<p><b>3. Water</b></p>	
<p>a. Surface:</p>	
<p>1. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, salt water, lakes, ponds, wetlands)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe type and provide names. If appropriate, state what stream or river it flows into.</p>	
<p style="padding-left: 40px;">The site drains through a sand filter to an existing stormwater quality and flow control facility and then to Denny Creek, located to the approximately 500-ft southeast of the site. That stream flows southwestward approximately 2.5 miles into Lake Washington</p>	
<p>2. Will the project require any work over, in or adjacent to (within 200 feet) the described waters? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, please describe and attach available plans.</p>	
<p style="padding-left: 40px;">Existing disturbed area will be re-surfaced and drainage, flow controls, and treatment system will be improved.</p>	
<p>3. Estimate the amount of fill and dredge material that would be placed or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.</p>	
<p style="padding-left: 40px;">None</p>	

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<p>4. Will the proposal require surface water withdrawals or diversions? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Give general description, purpose and approximate quantities if known.</p> <p>5. Does the proposal lie within a 100-year floodplain? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, note location on the site plan.</p> <p>6. Does the proposal involve any discharges of waste materials to surface waters? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, describe the type of waste and anticipated volume of discharge.</p> <p>b. Ground</p> <p>1. Will groundwater be withdrawn or will water be discharged to groundwater? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Give general description, purpose and approximate quantities if known.</p> <p>2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (i.e., 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 expected to be served by the system or systems.</p> <p>None</p>	

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<p>c. Water runoff (including stormwater):</p> <p>1. 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.</p> <p style="padding-left: 40px;">Stormwater will be collected from the surface and the field subsurface. Flows will conveyed to a large sand filter system for water quality treatment, per the King County Surface Water Design Manual. The sand filter will drain to an existing stormwater quality and flow control facility and then to Denny Creek, located to the approximately 500-ft southeast of the site. That stream flows southwestward approximately 2.5 miles into Lake Washington</p> <p>2. Could waste materials enter ground or surface waters?  <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No    If so, generally describe.</p> <p style="padding-left: 40px;">The intended use as a recreational sports field means no waste material will enter ground or surface waters. The enhanced treatment system will capture, filter, and/or treat any waste material that ends up on the field surface or from the surface materials directly. The leechability of cryogenic crumb rubber is inconclusive so an enhanced treatment system is required in the design to ensure that there will be no impact on ground or surface waters.</p> <p>d. Proposed measures to reduce or control surface, ground and runoff water impacts, if any:</p> <p style="padding-left: 40px;">Stormwater will be collected from the surface and the field subsurface. flows will conveyed to a large sand filter system for water quality treatment, per the King County Surface Water Design Manual. The sand filter will drain to an existing stormwater quality and flow control facility.</p> <p><b>4. Plants</b></p> <p>a. Check or circle types of vegetation found on the site:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Deciduous tree: alder, maple, aspen, other</li> <li><input checked="" type="checkbox"/> Evergreen tree: fir, cedar, pine, other</li> <li><input checked="" type="checkbox"/> Shrubs</li> <li><input checked="" type="checkbox"/> Grass</li> <li><input type="checkbox"/> Pasture</li> <li><input type="checkbox"/> Crop or grain</li> <li><input type="checkbox"/> Wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other</li> <li><input type="checkbox"/> Water plants: water lily, eelgrass, milfoil, other</li> <li><input type="checkbox"/> Other _____</li> </ul>	

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<p>b. What kind and amount of vegetation will be removed or altered? Grass field and some areas of shrubs will be removed. Two conifers</p> <p>c. List threatened or endangered species known to be on or near the site. None known.</p> <p>d. Proposed landscaping, use of native plants or other measures to preserve or enhance vegetation on the site, if any: Landscaping will generally match existing park landscaping and will be limited to returning the surrounding site to its current state after construction access.</p>	
<p><b>5. Animals</b></p> <p>a. Check or circle any birds and animals which have been observed on or near the site:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Birds: hawk, heron, eagle, songbirds, other</li> <li><input checked="" type="checkbox"/> Mammals: deer, bear, elk, beaver, other</li> <li><input type="checkbox"/> Fish: bass, salmon, trout, herring, shellfish, other</li> </ul> <p>b. List any threatened or endangered species known to be on or near the site. None known</p> <p>c. Is the site part of a migration route? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, explain.</p>	

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<p>d. Proposed measures to preserve or enhance wildlife, if any: NA</p> <p><b>6. Energy and natural resources</b></p> <p>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. Electricity for lights</p> <p>b. Would your project affect the potential use of solar energy by adjacent properties? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, generally describe.</p> <p>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: In general, the use of synthetic turf eliminates the need for irrigation, fertilization, mowing, aeration, etc. Design includes efficient lighting technology. Overall, the surface upgrade will bring a dramatic increase in seasonal capacity with minimal facility energy use per capita.</p>	

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<p><b>7. Environmental health</b></p> <p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, describe.</p> <p>1. Describe special emergency services that might be required. Typical emergency medical aid vehicle (ambulance) services may be required. The project will enhance the already adequate access.</p> <p>2. Proposed measures to reduce or control environmental health hazards, if any: NA</p> <p>b. Noise</p> <p>1. What types of noise exist in the area which may affect your project (i.e., traffic, equipment, operation, other)? Team play and community recreation (same as current) which includes parents cheering, whistles from couches or referees, and children playing. Maintenance equipment noise will be reduced because gators used for grooming and sweeping are quieter than</p> <p>2. What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (i.e., traffic, construction, operation, other)? Indicate what hours noise would come from the site. Construction noise is anticipated, but site is buffered from nearby residences. Existing from programming will continue when the project is complete. This includes parents cheering, whistles from couches/referees, and children playing. Hours will extend to 11pm.</p> <p>3. Proposed measures to reduce or control noise impacts, if any: The isolation of the site will play an important part in reduction of noise impacts. Air horns, traditionally used by lacrosse will be prohibited at the field. Amplified sound and car stereoes will also be prohibited. Constuction activity is enforced by the City of Kirkland and will be restrcited accordingly.</p>	

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<p><b>8. Land and shoreline use</b></p> <p>a. What is the current use of the site and adjacent properties?  The site is currently a public park with athletic facilities. The proposed improvements are an enhancement of an existing field area consistent with the current use.</p> <p>b. Has the site been used for agriculture? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  If so, describe.</p> <p>c. Describe any structures on the site.  There are no structures in the project area. The park includes fences, backstops, dugouts, small retaining walls, play structures, and related infrastructure. The project field does have some fencing.</p> <p>d. Will any structures be demolished? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, what?  The fence on the Southern boundary will be removed and replaced with an upgraded fence.</p> <p>e. What is the current zoning classification of the site?  R4-PSO - Residential Park Special Overlay</p> <p>f. What is the current Comprehensive Plan designation of the site?  Park</p> <p>g. If applicable, what is the current shoreline master program designation of the site?  None</p>	

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<p>h. Has any part of the site been classified as an "environmentally sensitive" area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is so, specify.</p> <p>i. Approximately how many people would reside or work in the completed project? None</p> <p>j. Proposed measures to avoid or reduce displacement impacts, if any: NA</p> <p>k. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: The proposed use is the same as the existing land use.</p>	
<p><b>9. Housing</b></p> <p>a. Approximately how many units would be provided, if any? Indicate whether high, middle or low-income housing. None</p> <p>b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle or low-income housing. None</p>	

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<p>c. Proposed measures to reduce or control housing impacts, if any: NA</p>	
<p><b>10. Aesthetics</b></p>	
<p>a. What is the tallest height of any proposed structure or structures, not including antennas? What is the principal exterior building material or materials proposed?</p> <p>There are no buildings proposed. There are ball nets and light poles proposed. Ball nets will extend approximately 20 feet up behind goals and four black light poles will be approximately 70 ft in height (to achieve photometric and mitigation goals)</p>	
<p>b. What views in the immediate vicinity would be altered or obstructed?</p> <p>None</p>	
<p>c. Proposed measures to reduce or control aesthetic impacts, if any:</p> <p>Fences and netting will be black, so as to minimize visibility. Only the existing field footprint will be used in order to preserve the vast majority of the park in its natural state. The project footprint takes up 1.55% of the park.</p>	
<p><b>11. Light and glare</b></p>	
<p>a. What type of light and glare will the proposal produce? What time of day would it mainly occur?</p> <p>Field lights are proposed for use in the evenings. Lights will primarily be used in the non-Summer months to extend evening hours. Glare will be minimal and will not effect homes. The design uses full cutoff, shielded fixtures with focusing capabilities. The field location provides between 400 and 2000 feet of wooded buffer. The photometrics show that the light drops off to moonlight level and ultimately darkness starting at 150 feet.</p>	
<p>b. Could light or glare from the finished project be a safety hazard or interfere with views? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain: see above.</p>	

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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:

See item 11a.

**12. Recreation**

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

The site is a regional public park and recreational facility and will remain so. Opportunities include lacrosse, soccer, baseball/softball, playground equipment, trails, etc.

b. Would the proposed project displace any existing recreational uses?

Yes  No If so, describe.

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

The project is an enhancement of existing recreation opportunities.

**13. Historic and cultural preservation**

- a. Are there any places or objects listed on, or proposed for, the national state or local preservation registers known to be on or next to the site?  
 Yes  No If so, generally describe.

- 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:

NA

**14. Transportation**

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

The site is accessed via an existing park entrance drive on NE Juanita Dr. This access will remain unchanged.

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

Within 0.5 mile

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- c. How many parking spaces would the completed project have? How many would the project eliminate?

In conjunction with ADA parking improvements, an additional 8 parking stalls will be created via a small addition of pavement (~2,000sf) to an existing parking area.

- d. Will the proposal require any new roads or streets or improvements to existing roads or streets, not including driveways?  Yes  No  
If so, generally describe (indicate whether public or private).

- e. Will the project use (or occur in the immediate vicinity of) water, rail or air transportation?  Yes  No If so, generally describe.

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Peak trips will generally occur after school hours. The improvement does not increase the capacity of the facility at any given time so peak use will not increase from current conditions. The improvement simply expands use into more seasons of the year. (See letter from TSI)

- g. Proposed measures to reduce or control transportation impacts, in any:

None

**15. Public services**

- a. Would the project result in an increased need for public services (i.e., fire protection, police protection, health care, schools, other)?  
 Yes    No   If so, generally describe.

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

**16. Utilities**

- a. Check utilities currently available at the site:

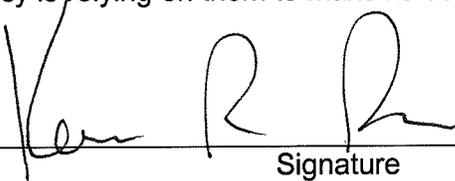
- Electricity
- Natural gas
- Water
- Refuse service
- Telephone
- Sanitary sewer
- Septic system
- Other: \_\_\_\_\_

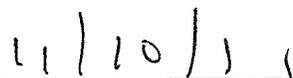
- b. Describe the utilities that are proposed for the project, the utility providing the service and the general construction activities on the site or in the immediate vicinity which might be needed.

Electrical runs from existing electrical service will be installed for lights.  
Existing water service will be used for spot cleaning the surface as needed.

**C. 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

  
\_\_\_\_\_  
Date submitted

**Check out the DDES Web site at [www.kingcounty.gov/permits](http://www.kingcounty.gov/permits)**