

APPENDIX 8

**SEPA CHECKLIST
DAVID EVANS AND ASSOCIATES, INC
January 29, 2009**



State Environmental Policy Act (SEPA)
ENVIRONMENTAL CHECKLIST

WAC 197-11-960

PLEASE READ CAREFULLY BEFORE COMPLETING THE 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.

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, contact the Pierce County Planning and Land Services Department for assistance.

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. Refer to the following instructions to assist in completing this checklist.

THE ORIGINAL SIGNED CHECKLIST
MUST BE SUBMITTED AT TIME OF APPLICATION

Environmental Policy Act (SEPA)



ENVIRONMENTAL CHECKLIST

Name of Proposed Project: Cross Park Trailhead Community Park

Applicant: Pierce County Parks and Recreation Attn: John Ortgiesen

Address: 9112 Lakewood Drive Southwest, Suite 121

City/State/Zip: Tacoma, WA 98499-3998 Phone: (253) 798-4176

Agent: David Evans and Associates, Inc. Attn: Brian Kaul, P.E.

Address: 3700 Pacific Highway East, Suite 311

City/State/Zip: Tacoma, WA 98424 Phone: (253) 922-9780

Location of Project: Unincorporated Pierce County

Address: 4418 Military Road East, Tacoma WA 98446-3844

Section: 25 Quarter: Township: 19 Range: 3

Tax Parcel Number(s): 0319252018

Date Checklist Prepared: January 29, 2009

GENERAL INFORMATION

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

1. Installation of Erosion Control BMP's.
2. Construction of Frontage Improvements, Water, Sanitary Sewer, Power and Phone Stubs to site.
3. Perform all mass grading and general site improvements while preserving or mitigating native plant species deemed significant.
4. Demolition of a portion of existing dairy barn, and demolition of existing workshop, cabin and shed.
5. Construction of Low Impact Development (LID) elements, including Pervious Pavements, Stormwater Conveyance to Rain Gardens and other Bio-retention areas, and construction of Dispersion Trench to mitigate high flows.
6. Construction of Parking Lot, Picnic Shelter, Vault Toilet, Play Area, Pervious Paving Trail system to connect to Naches Trail and future proposed Cross Park trail system and General landscaping.
7. Conversion of remaining portion of existing barn to a Gathering Place with Restroom.

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

- 3. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.**
1. Phase I Environmental Site Assessment prepared by Kleinfelder, Inc. and dated August 25, 2005.
 2. Wetland and Streams Report prepared by David Evans and Associates, dated September 21, 2005.
 3. Stormwater Management and Erosion Control Reports, and a Stormwater Maintenance Plan will be prepared and submitted with the application for a Site Development Permit.

A Low Impact Development Report will be created utilizing low impact development BMP's agreed upon by Pierce County P.A.L.S.

- 4. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? No**
If yes, explain. N/A

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

1. Pierce County Conditional Use Permit
2. Pierce County Site Development Permit
3. Pierce County Building Permit
4. Pierce County Public Facilities Permit
4. Coverage under Washington State's NPDES permit for construction storm water discharge.

- 6. Give a brief, complete description of your proposal, including proposed uses, size of the project and site characteristics.**

Pierce County Parks intends to build a regional park to serve the Fredrickson community area. The proposed site is on the northern portion of Parcel No. 0319252018 with an area of approximately 3 acres that are located at 4418 Military Road East. The proposed improvements include the partial demolition and Conversion of an existing dairy barn into a Public gathering place. Additional improvements include; Picnic Shelter, Vault Toilet, Parking Lot with LID features such as pervious paving, and Rain gardens to mitigate Stormwater Runoff and a pervious paving trail infrastructure will also be constructed to connect to the Naches Trail and future Cross Park Trail system.

7. Location of proposal, and directions to the site. Give sufficient information for a person to understand the precise location of your proposed project.

The site is located at the 4418 Military Road East in Unincorporated Pierce County. You can get to the site by the following:

1. Head south on I-5 and take exit 127 for WA – 512 towards Puyallup.
2. Turn left at WA-512 E.
3. Take the Canyon Road exit toward Summit.
4. Turn right at Canyon road East
5. Turn right at Military Road East.
6. Arrive at 4418 Military Road East

ENVIRONMENTAL ELEMENTS

1. EARTH

- a. General description of the site (circle one): flat, rolling, hilly, steep slopes, mountainous, other:**

The site currently slopes down from Military Road East on the north property border to an existing wetland. The majority of the park development will be on the north and eastern areas of the parcel.

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

The steepest slope on the site is about 10%. The steepest slope in the area of construction is 3%.

- 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 prime farmland.**

According to the Wetland and Streams Report prepared by DEA in September, 2005, the Soil Survey of Pierce County Area conducted by the United States Department of Agriculture Soil Conservation Service (SCS) mapped soil types within the project site. The predominant soil type was Spanaway gravelly sandy loam. (SCS, 1979) See the Wetland and Streams report for additional information.

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

The Pierce County GIS describes areas along Clover Creek with high erosion tendency.

- e. **Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.**

Grading for the Frontage improvements, rain gardens, parking areas, trails, playground and picnic area will require approximately 2,000 cubic yards of cut to fill grading. Topsoil that cannot be screened and reused will be exported to an approved off-site location.

- f. **Could erosion occur because of clearing, construction, or use? If so, generally describe.**

Vegetation will be removed from project areas prior to grading. Rainfall and runoff after that removal and prior to final stabilization could cause erosion; however, a temporary erosion and sedimentation control plan will be implemented to control erosion and sedimentation.

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

Approximately 30% of the site will be covered with impervious surfaces. 18% of the site will be covered with rain gardens and dispersion trenches.

Low Impact Development BMP's will be used consisting of pervious paving in parking areas and pervious trail networks throughout the site.

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

A temporary erosion and sedimentation control plan will be prepared as part of the civil construction drawings and will prescribe measures to reduce the impacts. All exposed soils will be stabilized as soon as possible following grading. During construction, straw, jute-matting, hydroseeding, bonded-fiber matrix erosion control blankets, and other temporary ground cover will be used to reduce erosion. Other measures such as sediment traps, silt fence, and interceptor swales with check dams will be used to contain any sediment which does become eroded and prevent it from leaving the site or reaching sensitive areas.

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 and when the project is completed? If any, generally describe and give approximate quantities, if known.**

Emissions from automobiles would be the primary source of airborne pollutants.

- b. **Are there any off-site sources of emissions or odor that may affect your proposal? No if so, generally describe. N/A**

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

We are not proposing any specific measures to control emissions.

3. **WATER**

Surface:

- a. **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)? If yes, describe type and provide names. If appropriate, state the stream or river into which it flows.**

Clover Creek flows from east to west along the south side of the site. According to the Frederickson Community Plan page 3, Clover Creek is "salmon bearing and is one of the largest creeks within Pierce County's urban area. The headwaters of this creek originate in the northeastern corner of Frederickson with the creek then flowing through the north half of the plan area, leaving the community near the intersection of Brookdale and Waller Roads. The creek then winds northwesterly to join with Chambers Creek and Puget Sound approximately ten miles away. "

- b. **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 for this work. NO**

- c. **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 and/or the disposal site.**

No fill or dredge material will be placed in or removed from these waters.

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

No surface water will be diverted or withdrawn.

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

Portions of the site are located within the 100-year floodplain as identified by FIRM Panel 0576E. The 100-year floodplain at the site is 329.1 referenced to the North American Vertical Datum of 1988 (NAVD 88)

- f. **Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

The proposal does not involve discharging waste materials.

Ground:

- a. **Will groundwater be withdrawn, or will water be discharged to groundwater? Give general description, purpose, and approximate quantities of withdrawals or discharges, if known.**

It is anticipated that Low Impact Development BMP's will be used onsite to infiltrate runoff via pervious paving and a series of bioretention areas distributed throughout the site. If retention and infiltration is done to mitigate stormwater impacts, then stormwater will be treated for pollutants and then infiltrated into the groundwater. There will be no pumping of groundwater from the site.

- b. **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) is/are expected to serve.**

All proposed sewer will be conveyed via either gravity or pump station to the public sewer in Military Road East.

Water Runoff (including storm water):

- a. **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.**

The project will use Low Impact Development to manage stormwater. Runoff from this site will drain from vegetated surfaces, paved areas, and the buildings into a system of bioretention areas, raingardens, pervious pavement, amended soils, and dispersion trenches. The goal of LID measures is to treat and infiltrate stormwater on-site by reducing the amount of impervious pavement and shorten the flow paths of stormwater to the point of treatment and infiltration. No direct connection to the city/county stormwater system is proposed.

- b. **Could waste materials enter ground or surface waters? No If so, generally describe. N/A.**

Proposed measures to reduce or control surface water, groundwater, and runoff impacts, if any:

Surface water runoff will be collected and treated as mentioned above, and infiltrated as prescribed in the Chapter 10 of the Pierce County Stormwater Management Manual. Treated stormwater should recharge the groundwater.

4. **PLANTS**

a. **Check types of vegetation found on the site and list specific species:**

deciduous tree: Dominated by big leaf maple and red alder. Other species include Himalayan blackberry and Scot's broom and vine maple. Two oak trees each greater than 24 inches in diameter are located on the north side of Clover Creek adjacent to existing unused buildings.

evergreen tree:

shrubs: Vine leaf maple, sword fern, Oregon grape, Indian plum, ocean spray and red huckleberry.

grass: brome, fescue, barley, dandelion, oxeye daisy, smooth hawks beard, white clover, English plantain, western St. John's-wort, tiger lily, and Scot's broom.

pasture

crop or grain

wet soil plants: cattail;

other: willows, red alder, bentgrass, creeping buttercup, Canada thistle

water plants:

other: _____

other types of vegetation: _____

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

Approximately 3 acres will be disturbed. The majority of that area is currently covered with low brush and grasses (with the exception of two 24" caliper oak trees near an existing shed). Approximately 30% of the site will be cleared (with the exception of the defined significant trees) and replaced with landscaping, pavement, buildings, rain gardens with native wetland plantings and a stormwater dispersion trench. A Class IV Logging Permit Application will be filed, and a Tree Conservation Plan has been created to mitigate any impacts to the existing significant trees affected by construction.

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

There are no known endangered plant species on the site.

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

Landscape plantings are primarily native species. See the conceptual landscape plans included with this submittal.

5. **ANIMALS**

- a. **Circle any birds or animals that have been observed on or near the site, or that are known to be on or near the site:**

Birds: hawk, heron, eagle, songbirds, ruffed grouse,
mourning dove, winter wren;
Mammals: deer, bear, elk, beaver, coyote other small mammals:
Fish: bass, salmon, trout, herring, shellfish; other:

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

There are no known endangered species on or near (within 1/2-mile) of the site.

- c. **Is the site part of a migration route? No If so, explain. N/A**
- d. **Proposed measures to preserve or enhance wildlife, if any:**

The perimeter fence will have a 1 foot or more gap at the bottom for its entire length so small animals may easily get in and out of the park. A large part of the site will be preserved so native species may still have undisturbed habitat.

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?**

The public gathering place and the restroom building will use electricity for their energy needs.

Describe whether it will be used for heating, manufacturing, etc.

The electricity will be primarily used for heating and lighting.

- b. **Would your project affect the potential use of solar energy by adjacent properties? No If so, generally describe. N/A**

- 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 building will be insulated to meet the appropriate building codes.

7. **ENVIRONMENTAL HEALTH**

- a. **Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire, explosion, spill, or hazardous waste, which could occur because of this proposal? No If so, describe. N/A**

- b. **Describe special emergency services that might be required (for example, chemical spills or explosions). N/A**

- c. **Proposed measures to reduce or control environmental health hazards, if any:**

The project does not pose a significant risk to environmental health.

- d. **Noise**

1. **What types of noise exist in the area, which may affect your project (for example: traffic, construction, or production equipment)?**

Automobile traffic noise on Military Road East may be audible, but should not affect the use of the site.

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, or production equipment)? Indicate the hours that noise would be generated by the site.**

Automobile traffic will generate a modest amount of noise. Various events taking place at the Community Cultural Center could potentially generate noise.

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

No measures are proposed.

8. **LAND AND SHORELINE USE**

a. **What is the current use of the site and adjacent properties?**

The site is zoned Moderate Single Family and Residential resource, a residential use, but is currently vacant. Properties surrounding the site are also zoned MSF. The properties to the north have been developed as single-family housing.

b. **Has the site been used for agriculture? No If so, describe.**
N/A

c. **Describe any structures on the site.**

The site currently contains two dairy barns and two sheds.

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

A portion of the larger barn will be demolished along with the other barn (Workshop) and two sheds. The remaining portion of the larger barn is to be converted into a public gathering place.

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

The site is currently zoned MSF: Moderate Density Single Family.

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

The site lies within the Urban Growth Area but does not have a local community plan.

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 an "environmentally sensitive" area? No If so, please specify.**

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

The site will require some seasonal employees for security, maintenance, operations, etc.

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

The project would not displace any people.

k. **Proposed measures to avoid or reduce displacement impacts, if any:** N/A

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

The proposed use is allowed as a conditional use.

9. **HOUSING**

a. **Approximately how many units would be provided, if any?** None
Indicate whether it would be high, middle, or low-income housing.

No housing units will be provided.

b. **Approximately how many units, if any, would be eliminated?**
None
Indicate whether it would be high, middle, or low-income housing.
N/A

c. **Proposed measures to reduce or control housing impacts, if any:**
N/A

10. **AESTHETICS**

a. **What is the tallest height of any proposed structure(s), not including antennas or chimneys?**

The pitched roof of the existing barn which will be converted to the public gathering place is approximately 25 feet high. The proposed picnic shelter and restroom will be lower.

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

No views will be obstructed.

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

The converted and proposed buildings will have some shrubberies and

other landscaping to help screen the proposed structures from sight. The Low Impact Development plants will be aesthetically pleasing.

11. **LIGHT AND GLARE**

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

The site will have limited outdoor lighting in the area of the proposed public gathering place and restroom. The parking lots will likely be lighted to ensure pedestrian safety. The effect on neighboring properties will be negligible.

- b. **Could light or glare from the finished project be a safety hazard, interfere with views, or affect wildlife?**

The minimal amount of proposed lighting, coupled with the existing trees to remain on the site, is unlikely to affect any of these issues.

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

There are no significant off-site sources of light.

- d. **Proposed measures to reduce or control light and glare impacts, if any: N/A**

12. **RECREATION**

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

Outdoor recreation such as hiking and camping are plentiful in the area.

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

No, this project would not displace any recreational uses. It would create them.

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

This project would increase recreational opportunities by providing a public gathering place, play areas, and parking areas for hiking.

13. **HISTORIC AND CULTURAL PRESERVATION**

- a. **Are there any places or objects listed on, proposed for, or eligible for listing in national, state, or local preservation registers on or next to the site?** Yes

If so, generally describe. An existing dairy barn. See "b."

- b. **Generally describe any landmarks, or evidence of historical, archaeological, scientific, or cultural importance known to be on or next to the site.**

According to the Phase I Environmental Assessment prepared by Kleinfelder, Inc. in September of 2005, Ms. Airyang Julia Park (Historic Preservation Officer with PC PALS) stated that the existing dairy barn structure located on the site is listed as a "potential historic structure" in Pierce County's 1982 Cultural Resource Inventory Survey report. Ms. Park stated that although the level of the barn's historic significance has not currently been defined, PC PALS may likely require that the barn be inspected by a historian or a historic architect to assess its historic value to the local community before an plan to demolish the structure can be approved.

- c. **Proposed measures to reduce or control impacts, if any:** N/A

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.**

Access to the site will be via Military Road East on the north side of the property.

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

The nearest bus route is the Pierce Transit Bus #407 which runs down 120th St. That is about ½ mile to the north of the site. It may be proposed to extend public transportation closer to the site.

- c. **How many parking spaces would the complete project have?**

Approximately 60

How many would the project eliminate? None

- d. **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 or private).**

Frontage improvements will be required on Military Road East. These will include two public access points, shoulder improvements, realignment of a roadside ditch, and a LID pervious paved walkway will be added.

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

- f. **How many vehicular trips per day would be generated by the completed project?**

The estimated Average Daily Trips is highest on a Saturday and is estimated to be 777 trips (50% entering and 50% leaving). The Weekday PM Peak Hour Trips is estimated to be 4 trips.

If known, indicate when peak volumes would occur.

The time peak volumes would occur is related to event scheduling and will vary.

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

None are anticipated at this time.

15. **PUBLIC SERVICES**

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

The project may increase the need for fire and police protection. A Sheriff's Station is proposed nearby.

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

The increased need for fire and police protection will be minimal.

16. **UTILITIES**

- a. **Identify existing utilities by name including: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system; other:**

Utility	Purveyor	Available (y/n)
Water	Spanaway Water	Yes
Sewer	Pierce County Health Dept.	Yes
Power	Puget Sound Energy	Yes
Natural Gas	Puget Sound Energy	No
Telephone	Qwest	Yes
CATV	None	No
Solid Waste Disposal	Allied Waste	Yes

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

Utilities required as part of this project are water, sanitary sewer, telephone, and electricity. They will be provided by the purveyors listed above. Utility stubs will be required to the right-of-way line. Trenching and installation of pipe and conduit will be required on site for each of these utilities.

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: _____



