



Planning & Community Development

STATE ENVIRONMENTAL POLICY ACT
(SEPA)
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.

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.

Public notice is required for all projects reviewed under SEPA. Please submit current Assessor's Maps/Mailing Labels showing:

- Subject property outlined in red.
- Adjoining properties under the same ownership outlined in yellow.
- All properties within 500' of the subject property, with mailing labels for each owner.

NOTE: King County no longer provides mailing label services. Planning and Development Services can provide this for a fee or provide you instructions on how to obtain this information and create a mail merge document to produce two sets of mailing labels for your application.

Use of Checklist for nonproject proposals:

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

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

17500 Midvale Avenue North, Shoreline, Washington 98133-4921

Telephone (206) 801-2500 Fax (206) 546-8761 pcd@shorelinewa.gov

The Development Code (Title 20) is located at mrsc.org

**TO BE COMPLETED
BY APPLICANT**

A. BACKGROUND

1. Name of proposed project, if applicable:
Tree Code Amendments

2. Name of applicant:
City of Shoreline, Paul Cohen - Project Manager

3. Address and phone number of applicant and contact person:
17500 Midvale Ave N
206 801 2551

4. Date checklist prepared:
January 10, 2012

5. Agency requesting checklist:
Planning and Community
Development

6. Proposed timing or schedule (including phasing, if applicable):
Planning Commission study, public hearing, and recommendations
January 19, February 16, March 15, 2012.

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

8. List any environmental information you know about that has been prepared or will be prepared, directly related to this proposal.
2010 Shoreline Urban Tree Canopy Survey

**TO BE COMPLETED
BY APPLICANT**

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.

NA

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

State Dept. of Commerce 60-day review notice and adoption notice.

11. Give a 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).

Amendments to the Development Code for tree retention and removal regulations.

(See attached proposed amendment.)

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.

City-wide

**TO BE COMPLETED
BY APPLICANT**

B. ENVIRONMENTAL ELEMENTS

1. Earth:

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

- b. What is the steepest slope on the site (approximate percent of slope).
NA

- 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.
NA

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

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

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

- g. About what percent of the site will be covered with hardscape after project construction (for example asphalt or buildings)?
NA

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

**TO BE COMPLETED
BY APPLICANT**

2. Air:

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

NA

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

NA

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

NA

3. Water:

a. Surface:

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

NA

2. Will the project require any work over, in, or adjacent to (within 200') of the described waters? If yes, please describe and attach available plans.

NA

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.

NA

**TO BE COMPLETED
BY APPLICANT**

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

NA

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

NA

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.

NA

b. Ground:

1. Will ground water be withdrawn or will water be discharged to ground water? Give general description, purpose and approximate quantities if known.

NA

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.

NA

**TO BE COMPLETED
BY APPLICANT**

c. Water Runoff (including storm water):

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

NA

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

NA

3. Proposed measures to reduce or control surface ground and runoff water impacts, if any:

NA

4. Plants:

- a. Check or circle 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, bullrush, 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?
Undetermined amount of significant sized trees may be removed, retained and replanted.

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

None known.

**TO BE COMPLETED
BY APPLICANT**

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

NA

5. Animals:

- a. Mark all boxes of any birds and animals which have been observed on or near the site or are known to be on or near the site:

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

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

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

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

NA

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

NA

- d. Proposed measures to preserve or enhance wildlife if any:

NA

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

NA

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

NA

**TO BE COMPLETED
BY APPLICANT**

- 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:

NA

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 a result of this proposal? If so describe.

NA

1. Describe special emergency services that might be required.

NA

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

NA

b. Noise:

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

NA

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.

NA

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

NA

**TO BE COMPLETED
BY APPLICANT**

8. Land and Shoreline Use:

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

- b. Has the site been used for agriculture? If so, describe
NA

- c. Describe any structures on the site.
NA

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

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

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

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

- h. Has any part of the site been classified as an “environmentally sensitive” area? If so, please specify.
NA

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

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

**TO BE COMPLETED
BY APPLICANT**

- k. Proposed measures to avoid or reduce displacement impacts, if any:
NA
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
NA
- 9. Housing:**
- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low income housing.
NA
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low income housing.
NA
- c. Proposed measures to reduce or control housing impacts if any:
NA
- 10. Aesthetics:**
- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
NA
- b. What views in the immediate vicinity would be altered or obstructed?
NA

**TO BE COMPLETED
BY APPLICANT**

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

NA

11. Light and Glare:

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

NA

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

NA

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

NA

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

NA

12. Recreation:

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

NA

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

NA

**TO BE COMPLETED
BY APPLICANT**

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

NA

13. Historic and Cultural Preservation:

- a. Are there any places or objects listed on or proposed for national, state or local preservation registers known to be on or next to the site? If so, generally describe.

NA

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

NA

- 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:

NA

- b. Is site currently served by public transit? If not what is the approximate distance to the nearest transit stop?

NA

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

NA

**TO BE COMPLETED
BY APPLICANT**

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

NA

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

NA

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

NA

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

NA

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.

NA

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

NA

16. Utilities:

- a. Mark all boxes of utilities currently available at the site:

electricity, natural gas, water, refuse service,
 telephone, sanitary sewer, septic system, other: NA

**TO BE COMPLETED
BY APPLICANT**

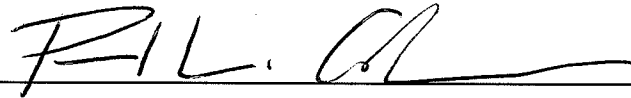
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity that might be needed.

NA

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:



Printed Name: Paul Cohen

Address 17500 Midvale Ave N

Telephone Number: (206)801 2551 Date Submitted 1/10/12

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8/2011

17500 Midvale Avenue North, Shoreline, Washington 98133-4905

Telephone (206) 801-2500 Fax (206) 801-2788 pcd@shorelinewa.gov

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**TO BE COMPLETED
BY APPLICANT**

**D. 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 of 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/production, storage, or release of toxic or hazardous substances; or production of noise?
Proposed code amendments are unlikely to increase discharges.

Proposed measures to avoid or reduce such increases are:
No measures are proposed.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?
Proposed code amendments are unlikely to affect plants, animals, fish, or marine life.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:
No measures are proposed.

**TO BE COMPLETED
BY APPLICANT**

3. How would the proposal be likely to deplete energy or natural resources?
the proposed code amendments are unlikely to deplete energy or natural resources.

Proposed measures to protect or conserve energy and natural resources are:
None

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?
The proposed amendments are unlikely to use or affect sensitive areas.

Proposed measures to protect such resources or to avoid or reduce impacts are:
None

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?
The proposed code amendments would unlikely affect land and shoreline use or be encourage incompatible uses.

**TO BE COMPLETED
BY APPLICANT**

Proposed measures to avoid or reduce shoreline and land use impacts are:
None.

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

NA

Proposed measures to reduce or respond to such demands(s) are:
None are proposed.

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

The proposed code amendments would not conflict with local, state, and federal environmental laws.

Proposed Tree Code Amendments Per Council May 9, 2011 Direction

20.50.290 Purpose.

The purpose of this subchapter is to reduce the environmental impacts of site development while promoting the reasonable use of land in the City by addressing the following:

- A. Prevention of damage to property, harm to persons, and environmental impacts caused by excavations, fills, and the destabilization of soils;
- B. Protection of water quality from the adverse impacts associated with erosion and sedimentation;
- C. Promotion of building and site planning practices that are consistent with the City's natural topography and vegetative cover;
- D. Preservation and enhancement of trees and vegetation which contribute to the visual quality and economic value of development in the City and provide continuity and screening between developments;
- E. Protection of critical areas from the impacts of clearing and grading activities;
- F. Conservation and restoration of trees and vegetative cover to reduce flooding, the impacts on existing drainageways, and the need for additional stormwater management facilities;
- G. Protection of anadromous fish and other native animal and plant species through performance-based regulation of clearing and grading;
- H. Retention of tree clusters for the abatement of noise, wind protection, and mitigation of air pollution;
- I. Rewarding significant tree protection efforts by granting flexibility for certain other development requirements;
- J. Providing measures to protect trees that may be impacted during construction;
- K. Promotion of prompt development, effective erosion control, and restoration of property following site development; and
- L. Replacement of trees removed during site development in order to achieve a goal of no net loss of tree cover throughout the City over time. (Ord. 398 § 1, 2006; Ord. 238 Ch. V § 5(A), 2000).

20.50.300 General requirements.

- A. Tree cutting or removal by any means is considered a type of clearing and is regulated subject to the limitations and provisions of this subchapter.
- B. All land clearing and site grading shall comply with all standards and requirements adopted by the City of Shoreline. Where a Development Code section or related manual or guide contains a provision

that is more restrictive or specific than those detailed in this subchapter, the more restrictive provision shall apply.

C. Permit Required. No person shall conduct clearing or grading activities on a site without first obtaining the appropriate permit approved by the Director, unless specifically exempted by SMC [20.50.310](#).

D. When clearing or grading is planned in conjunction with development that is not exempt from the provisions of this subchapter, all of the required application materials for approval of tree removal, clearing and rough grading of the site shall accompany the development application to allow concurrent review.

and grading F. A clearing and grading permit may be issued for developed land if the regulated activity is not associated with another development application on the site that requires a permit.

G. Replacement trees planted under the requirements of this subchapter on any parcel in the City of Shoreline shall be regulated as protected trees under SMC [20.50.330\(D\)](#).

H. Any disturbance to vegetation within critical areas and their corresponding buffers is subject to the procedures and standards contained within the critical areas chapter of the Shoreline Development Code, Chapter [20.80](#) SMC, Critical Areas, in addition to the standards of this subchapter. The standards which result in the greatest protection of the critical areas shall apply. (Ord. 406 § 1, 2006; Ord. 398 § 1, 2006; Ord. 238 Ch. V § 5(B), 2000).

20.50.310 Exemptions from permit.

A. **Complete Exemptions.** The following activities are exempt from the provisions of this subchapter and do not require a permit:

1. Emergency situation on private property involving danger to life or property or substantial fire hazards.

a. Statement of Purpose. Retention of significant trees and vegetation is necessary in order to utilize natural systems to control surface water runoff, reduce erosion and associated water quality impacts, reduce the risk of floods and landslides, maintain fish and wildlife habitat and preserve the City’s natural, wooded character. Nevertheless, when certain trees become unstable or damaged, they may constitute a hazard requiring cutting in whole or part. Therefore, it is the purpose of this section to provide a reasonable and effective mechanism to minimize the risk to human health and property while preventing needless loss of healthy, significant trees and vegetation, especially in critical areas and their buffers.

b. For purposes of this section, “Director” means the Director of the Department of Planning and Development Services and his or her designee.

- c. In addition to other exemptions of Subchapter 5 of the Development Code, SMC [20.50.290](#) through [20.50.370](#), a request for the cutting of any tree that is an active and imminent hazard, such as tree limbs or trunks that are demonstrably cracked, leaning toward overhead utility lines, or are uprooted by flooding, heavy winds or storm events. After the tree removal, the City will need photographic proof and the appropriate application approval, if any.
2. Removal of trees and/or ground cover by the City and/or utility provider in situations involving immediate danger to life or property, substantial fire hazards, or interruption of services provided by a utility. The City retains the right to dispute the emergency and require that the party obtain a clearing permit and/or require that replacement trees be replanted as mitigation.
3. Installation and regular maintenance of public utilities, under direction of the Director, except substation construction and installation or construction of utilities in parks or environmentally sensitive areas.
4. Cemetery graves involving less than 50 cubic yards of excavation, and related fill per each cemetery plot.
5. Removal of trees from property zoned MUZ and I, CB and NCBD, and NB and O, unless within a critical area or critical area buffer.
6. Within City-owned property, removal of noxious weeds or invasive vegetation as identified by the King County Noxious Weed Control Board in a wetland buffer, stream buffer or the area within a three-foot radius of a tree on a steep slope is allowed when:
 - a. Undertaken with hand labor, including hand-held mechanical tools, unless the King County Noxious Weed Control Board otherwise prescribes the use of riding mowers, light mechanical cultivating equipment, herbicides or biological control methods; and
 - b. Performed in accordance with SMC [20.80.085](#), Pesticides, herbicides and fertilizers on City-owned property, and King County Best Management Practices for Noxious Weed and Invasive Vegetation; and
 - c. The cleared area is revegetated with native vegetation and stabilized against erosion in accordance with the Department of Ecology 2005 Stormwater Management Manual for Western Washington; and
 - d. All work is performed above the ordinary high water mark and above the top of a stream bank; and
 - e. No more than a 3,000 square feet of soil may be exposed at any one time.

B. Partial Exemptions. With the exception of the general requirements listed in SMC [20.50.300](#), the following are exempt from the provisions of this subchapter, provided the development activity does not occur in a critical area or critical area buffer. For those exemptions that refer to size or number, the thresholds are cumulative during a 36-month period for any given parcel:

1. The removal of up to six significant trees (see Chapter [20.20](#) SMC, Definitions) and associated removal of understory vegetation from any property. Prior to removal the property owner shall notify the City of the number and diameter of trees to be removed.
2. Landscape maintenance and alterations on any property that involves the clearing of less than 3,000 square feet, or less than 1,500 square feet if located in a special drainage area, provided the tree removal threshold listed above is not exceeded. (Ord. 581 § 1 (Exh. 1), 2010; Ord. 560 § 4 (Exh. A), 2009; Ord. 531 § 1 (Exh. 1), 2009; Ord. 434 § 1, 2006; Ord. 398 § 1, 2006; Ord. 238 Ch. V § 5(C), 2000).

20.50.320 Specific activities subject to the provisions of this subchapter.

All activities listed below must comply with the provisions of this subchapter. For those exemptions that refer to size or number, the thresholds are cumulative during a 36-month period for any given parcel:

- A. The construction of new residential, commercial, institutional, or industrial structures or additions.
- B. Earthwork of 50 cubic yards or more. This means any activity which moves 50 cubic yards of earth, whether the material is excavated or filled and whether the material is brought into the site, removed from the site, or moved around on the site.
- C. Clearing of 3,000 square feet of land area or more or 1,500 square feet or more if located in a special drainage area.
- D. Removal of more than six significant trees from any property.
- E. Any clearing or grading within a critical area or buffer of a critical area.
- F. Any change of the existing grade by four feet or more.
- H. Any land surface modification not specifically exempted from the provisions of this subchapter.
- I. Development that creates new, replaced or a total of new plus replaced impervious surfaces over 1,500 square feet in size, or 500 square feet in size if located in a landslide hazard area or special drainage area.
- J. Any construction of public drainage facilities to be owned or operated by the City.
- K. Any construction involving installation of private storm drainage pipes 12-inch in diameter or larger.

L. Any modification of, or construction which affects a stormwater quantity or quality control system. (Does not include maintenance or repair to the original condition).

M. Applicants for forest practice permits (Class IV – general permit) issued by the Washington State Department of Natural Resources (DNR) for the conversion of forested sites to developed sites are also required to obtain a clearing and grading permit. For all other forest practice per-

mits (Class II, III, IV – special permit) issued by DNR for the purpose of commercial timber operations, no development permits will be issued for six years following tree removal. (Ord. 531 § 1 (Exh. 1), 2009; Ord. 398 § 1, 2006; Ord. 238 Ch. V § 5(D), 2000).

20.50.330 Project review and approval.

A. Review Criteria. The Director shall review the application and approve the permit, or approve the permit with conditions; provided, that the application demonstrates compliance with the criteria below.

1. The proposal complies with SMC [20.50.340](#) through [20.50.370](#), or has been granted a deviation from the engineering standards.
2. The proposal complies with all standards and requirements for the underlying permit.
3. If the project is located in a critical area or buffer or has the potential to impact a critical area, the project must comply with the critical areas standards.
4. The project complies with all requirements of the engineering standards and SMC [13.10.200](#), Surface Water Management Code and adopted standards.
5. All required financial guarantees or other assurance devices are posted with the City.

B. Professional Evaluation. In determining whether a tree removal and/or clearing is to be approved or conditioned, the Director may require the submittal of a professional evaluation and/or a tree protection plan prepared by a certified arborist at the applicant's expense, where the Director deems such services necessary to demonstrate compliance with the standards and guidelines of this subchapter. Third party review of plans, if required, shall also be at the applicant's expense. The Director shall have the sole authority to determine whether the professional evaluation submitted by the applicant is adequate, the evaluator is qualified and acceptable to the City, and whether third party review of plans is necessary. Required professional evaluation(s) and services may include:

1. Providing a written evaluation of the anticipated effects of proposed construction on the viability of trees on a site;
2. Providing a hazardous tree assessment;
3. Developing plans for, supervising, and/or monitoring implementation of any required tree protection or replacement measures; and/or

4. Conducting a post-construction site inspection and evaluation.

C. Conditions of Approval. The Director may specify conditions for work at any stage of the application or project as he/she deems necessary to ensure the proposal's compliance with requirements of this subchapter, critical area standards, engineering standards, the adopted stormwater management regulations, and any other section of the Shoreline Development Code, or to protect public or private property. These conditions may include, but are not limited to, hours or seasons within which work may be conducted, or specific work methods.

D. Designation of Protected Trees.

1. For the following areas, the retention and planting plan and any application and permit plans shall show all trees designated for protection: areas designated as "protected trees," "native growth protection areas," "sensitive areas," "sensitive area buffers," or such other designation as may be approved by the Director. Protected vegetation, including protected trees, shall not be modified, harmed or removed except as provided in this subchapter.

2. The Director may require that protected trees be permanently preserved within a tract, easement or other permanent protective mechanism. When required, the location, purpose, and limitation of these protected areas shall be shown on the face of the deed, plat, binding site plan, or similar document and shall be recorded with the King County Department of Records and Elections or its successor. The recorded document shall include the requirement that the protected areas shall not be removed, amended or modified without the written approval of the City.

E. Preconstruction Meeting Required. Prior to the commencement of any permitted clearing and grading activity, a preconstruction meeting shall be held on-site with the permittee and appropriate City staff. The project site shall be marked in the field as follows:

1. The extent of clearing and grading to occur;
2. Delineation of any critical areas and critical area buffers;
3. Trees to be removed and retained; and
4. Property lines. (Ord. 531 § 1 (Exh. 1), 2009; Ord. 398 § 1, 2006; Ord. 238 Ch. V § 5(E), 2000).

20.50.340 Basic operating conditions and standards of performance.

A. Any activity that will clear, grade or otherwise disturb the site, whether requiring a clearing or grading permit or not, shall provide erosion and sediment control (ESC) that prevents, to the maximum extent possible, the transport of sediment from the site to drainage facilities, water resources and adjacent properties. Erosion and sediment controls shall be applied as specified by the temporary ESC measures

and performance criteria and implementation requirements in SMC [13.10.200](#), Surface Water Management Code and adopted standards.

B. Cuts and fills shall conform to the following provisions unless otherwise approved by the Director:

1. Slope. No slope of cut and fill surfaces shall be steeper than is safe for the intended use and shall not exceed two horizontal to one vertical, unless otherwise approved by the Director.

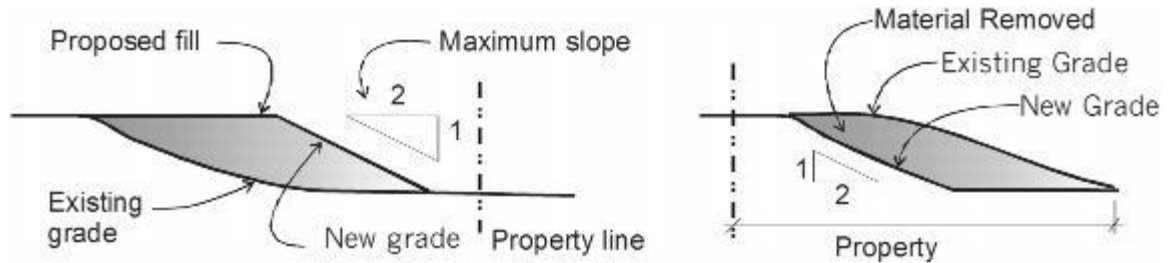


Figure 20.50.340(B): Illustration of fill and cut with maximum slope 2:1.

2. Erosion Control. All disturbed areas including faces of cuts and fill slopes shall be prepared and maintained to control erosion in compliance with the Surface Water Design Manual.
3. preparation of Ground. The ground surface shall be prepared to receive fill by removing unsuitable material such as concrete slabs, tree stumps, construction materials, brush and other debris.
4. Fill Material. Detrimental amounts of organic material shall not be permitted in fills. Only earth materials which have no rock or similar irreducible material with a maximum dimension greater than 12 inches shall be used. In the absence of an approved soils engineering report, these provisions may be waved by the Director for minor fills not intended to support structures.
5. Drainage. Provisions shall be made to:
 - a. Prevent any surface water or seepage from damaging the cut face of any excavations or the sloping face of a fill;
 - b. Carry any surface waters that are or might be concentrated as a result of a fill or excavation to a natural watercourse, or by other means approved by the department of public works;
6. Bench/Terrace. Benches, if required, at least 10 feet in width shall be back-sloped and shall be established at not more than 25 feet vertical intervals to control surface drainage and debris. Swales or ditches on benches shall have a maximum gradient of five percent.
7. Setbacks. The tops and the toes of cut and fill slopes shall be set back from property boundaries as far as necessary for safety of the adjacent properties and to prevent damage

resulting from water runoff or erosion of the slopes. The tops and the toes of cut and fill slopes shall be set back from structures as far as is necessary for adequacy of foundation support and to prevent damage as a result of water runoff or erosion of the slopes. Slopes and setbacks shall be determined by the Director.

C. Access Roads – Maintenance. Access roads to grading sites shall be maintained and located to the satisfaction of the Director to minimize problems of dust, mud and traffic circulation.

D. Access Roads – Gate. Access roads to grading sites shall be controlled by a gate when required by the Director.

E. Warning Signs. Signs warning of hazardous conditions, if such exist, shall be affixed at locations as required by the Director.

F. Temporary Fencing. Temporary fencing, where required by the Director, to protect life, limb and property, shall be installed. Specific fencing requirements shall be determined by the Director.

G. Hours of Operation. Hours of operation for tree cutting, clearing and grading, unless otherwise authorized by the Director, shall be between 7:00 a.m. and 7:00 p.m. weekdays and 9:00 a.m. to 9:00 p.m. on Saturdays and Sundays. Additionally, tree cutting (felling) shall further be limited to daylight hours.

H. Traffic Control and Haul Plan. The applicant shall be required to submit a plan detailing traffic control and proposed timing, volume, and routing of trucks and equipment as determined to be necessary by the Director. (Ord. 531 § 1 (Exh. 1), 2009; Ord. 398 § 1, 2006; Ord. 238 Ch. V § 5(F), 2000).

20.50.350 Development standards for clearing activities.

A. No trees or ground cover shall be removed from critical area or buffer unless the proposed activity is consistent with the critical area standards.

B. Minimum Retention Requirements. All proposed development activities that are not exempt from the provisions of this subchapter shall meet the following:

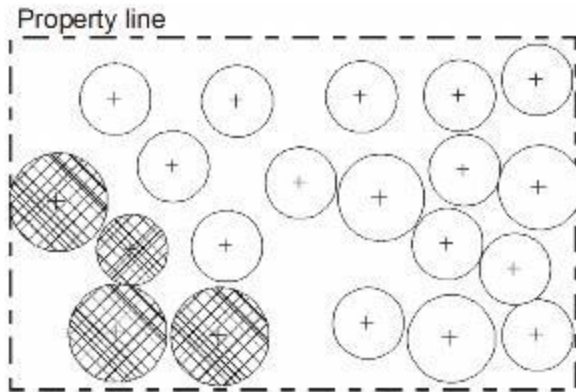
1. At least 20 percent of the significant trees on a given site shall be retained, excluding critical areas, and critical area buffers, or

2. At least 30 percent of the significant trees on a given site (which may include critical areas and critical area buffers) shall be retained.

3. Tree protection measures ensuring the preservation of all trees identified for retention on approved site plans shall be guaranteed during development through the posting of a performance bond equal to the value of the installation and maintenance of those protection measures.

4. The minimum amount of trees to be retained cannot be removed for a period of 36 months and shall be guaranteed through an approved maintenance agreement.

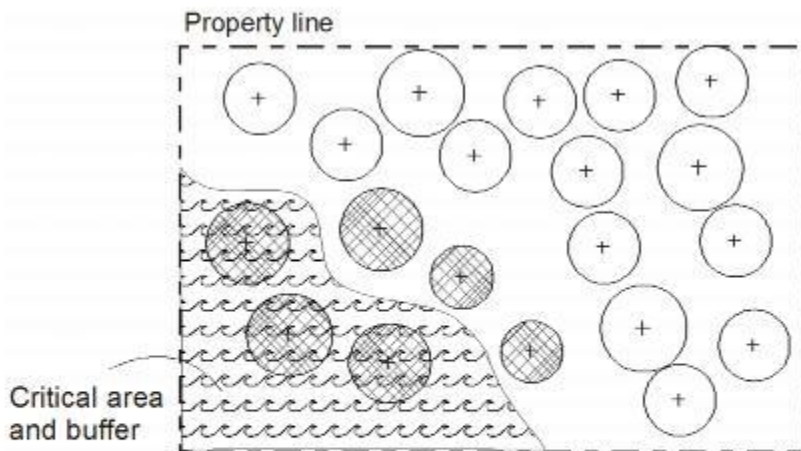
5. The Director may require the retention of additional trees to meet the stated purpose and intent of this ordinance, as required by the critical areas standards, or as site-specific conditions demand using SEPA substantive authority.



LEGEND

 Indicates trees to be retained

Figure 20.50.350(B)(1): Demonstration of the retention of 20 percent of the significant trees on a site containing no critical areas.



LEGEND


 Indicates significant trees to be retained

Figure 20.50.350(B)(2): Demonstration of the retention of 30 percent of the significant trees on a site containing a critical area.

Exception 20.50.350(B):

1. The Director may allow a reduction in the minimum significant tree retention percentage to facilitate preservation of a greater number of smaller trees, a cluster or grove of trees, contiguous perimeter buffers, distinctive skyline features, or based on the City's concurrence with a written recommendation of an arborist certified by the International Society of Arboriculture and approved by the City that retention of the minimum percentage of trees is not advisable on an individual site.

2. In addition, the Director may allow a reduction in the minimum significant tree retention percentage if all of the following criteria are satisfied: The exception is necessary because:

There are special circumstances related to the size, shape, topography, location or surroundings of the

- subject property.
- Strict compliance with the provisions of this Code may jeopardize reasonable use of property.

Proposed vegetation removal, replacement, and any mitigation measures are consistent with the purpose

- and intent of the regulations.

The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious

- to other property in the vicinity.

3. If an exception is granted to this standard, the applicant shall still be required to meet the basic tree replacement standards identified in SMC [20.50.360](#) for all significant trees removed beyond the six allowed per parcel without replacement and up to the maximum that would ordinarily be allowed under SMC [20.50.350\(B\)](#).

4. In addition, the applicant shall be required to plant four trees for each significant tree removed that would otherwise count towards the minimum retention percentage. Trees replaced under this provision shall be at least 12 feet high for conifers and three inches in caliper if otherwise. This provision may be waived by the Director for restoration enhancement projects conducted under an approved vegetation management plan.

C. Incentives for Higher Levels of Tree Protection. The Director may grant reductions or adjustments to other site development standards if the protection levels identified in subsection (B) of this section are exceeded. On a case-by-case review, the Director shall determine the balance between tree protection that exceeds the established minimum percentage and variations to site development requirements. If the Director grants adjustments or reductions to site development standards under this provision, then tree protection requirements shall be recorded on the face of the plat, as a notice to title, or on some other legal document that runs with the property. Adjustments that may be considered are:

1. Reductions or variations of the area, width, or composition of required open space and/or landscaping;

2. Variations in parking lot design and/or any access driveway requirements;
3. Variations in building setback requirements;
4. Variations of grading and stormwater requirements.

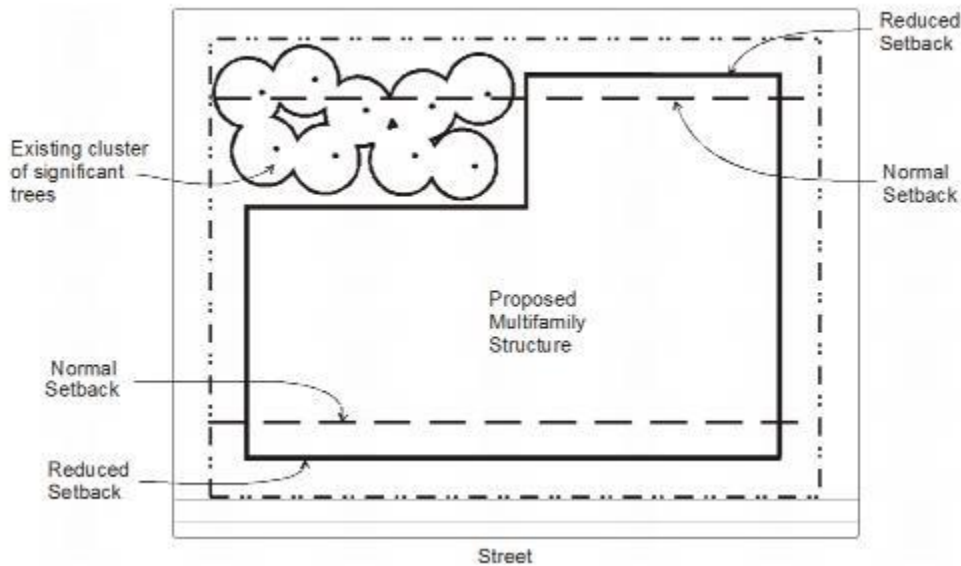


Figure 20.50.350(C): Example of aggregate setback to preserve a cluster of significant trees.

D. Site Design. Site improvements shall be designed and constructed to meet the following:

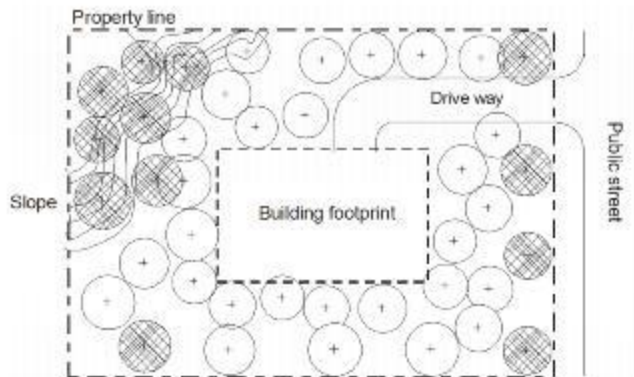
1. Trees should be protected within vegetated islands and stands rather than as individual, isolated trees scattered throughout the site.
2. Site improvements shall be designed to give priority to protection of trees with the following characteristics, functions, or location:

Existing stands of healthy trees that have a reasonable chance of survival once the site is developed, are well shaped to withstand the wind and maintain stability over the long term, and will not pose a threat to life



- or property.
- Trees which exceed 50 feet in height.
- Trees and tree clusters which form a continuous canopy.
- Trees that create a distinctive skyline feature.
- Trees that have a screening function or provide relief from glare, blight, commercial or industrial harshness.
- Trees providing habitat value, particularly riparian habitat.
- Trees within the required yard setbacks or around the perimeter of the proposed development.
- Trees having a significant land stability function.
- Trees adjacent to public parks, open space, and sensitive area buffers.
- Trees having a significant water-retention function, such as cottonwoods.

3. Building footprints, parking areas, roadways, utility corridors and other structures shall be designed and located with a consideration of tree protection opportunities.
4. The project grading plans shall accommodate existing trees and avoid alteration to grades around existing significant trees to be retained.
5. Required open space and recreational space shall be designed and located to protect existing stands of trees.
6. The site design and landscape plans shall provide suitable locations and adequate area for replacement trees as required in SMC [20.50.360](#).
7. In considering trees for protection, the applicant shall avoid selecting trees that may become hazardous because of wind gusts, including trees adjacent to utility corridors where falling trees may cause power outages or other damage. Remaining trees may be susceptible to blow downs because of loss of a buffer from other trees, grade changes affecting the tree health and stability and/or the presence of buildings in close proximity.
8. If significant trees have been removed from a closed, forested situation, an adequate buffer of smaller trees shall be retained or planted on the fringe of such significant trees as determined by a certified arborist.
9. All trees located outside of identified building footprints and driveways and at least 10 feet from proposed structures shall be considered as eligible for preservation. However, all significant trees on a site shall be considered when calculating the minimum retention percentage.

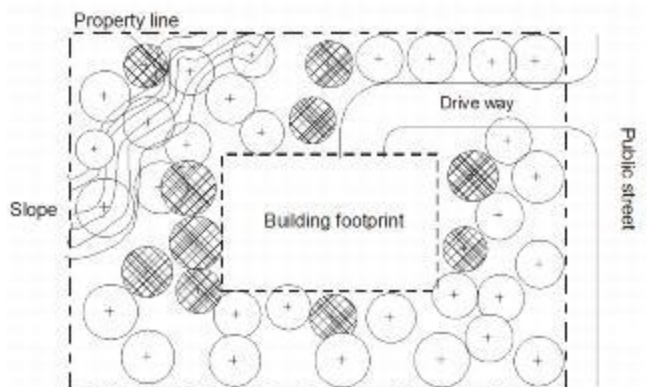
DO THIS



LEGEND

-  Appropriately retained trees - in clusters on a slope and along the street
-  Trees proposed for removal

DON'T DO THIS



LEGEND


-  Inappropriately retained trees - too close to the building and/or scattered single trees
-  Trees proposed for removal

Figure 20.50.350(D): Example of the application of tree retention site design standards. Appropriate retention of a cluster of trees on a slope and frontage trees are shown above. Inappropriate retention of scattered single trees and trees near structures are shown below.

E. Cutting and Pruning of Protected Trees. Trees protected under the provisions of this section shall not be topped. Pruning and maintenance of protected trees shall be consistent with best management practices in the field of arboriculture and further the long-term health of the tree. Excessive pruning,

including topping, stripping, or imbalances, shall not be allowed unless necessary to protect life and property.

F. **Landmark Trees.** Trees which have been designated as landmark trees by the City of Shoreline because they are 30 inches or larger in diameter or particularly impressive or unusual due to species, size, shape, age, historical significance and/or are an outstanding row or group of trees, have become a landmark to the City of Shoreline or are considered specimens of their species shall not be removed unless the applicant meets the exception requirements of subsection (B) of this section. The Director shall establish criteria and procedures for the designation of landmark trees. (Ord. 406 § 1, 2006; Ord. 398 § 1, 2006; Ord. 238 Ch. V § 5(G), 2000).

20.50.360 Tree replacement and site restoration.

A. **Plans Required.** Prior to any tree removal, the applicant shall demonstrate through a clearing and grading plan, tree retention and planting plan, landscape plan, critical area protection and mitigation plan, or other plans acceptable to the Director that tree replacement will meet the minimum standards of this section. Plans shall be prepared by a qualified person or persons at the applicant's expense. Third party review of plans, if required, shall be at the applicant's expense.

B. The City may require the applicant to relocate or replace trees, shrubs, and ground covers, provide erosion control methods, hydroseed exposed slopes, or otherwise protect and restore the site as determined by the Director.

C. **Replacement Required.** Up to six significant trees and associated vegetation may be removed per parcel with no replacement of trees required. Any significant tree proposed for removal beyond this limit should be replaced as follows:

1. One existing significant tree of eight inches in diameter at breast height for conifers or 12 inches in diameter at breast height for all others equals one new tree.
2. Each additional three inches in diameter at breast height equals one additional new tree, up to three trees per significant tree removed.
3. Minimum size requirements for trees replaced under this provision: deciduous trees shall be at least 1.5 inches in caliper and evergreens six feet in height.

Exception 20.50.360(C):

1. No tree replacement is required when:
 - The tree is proposed for relocation to another suitable planting site; provided, that relocation complies with the standards of this section.
2. The Director may allow a reduction in the minimum replacement trees required or off-site planting of replacement trees if all of the following criteria are satisfied:

- There are special circumstances related to the size, shape, topography, location or surroundings of the
- subject property.
 - Strict compliance with the provisions of this Code may jeopardize reasonable use of property.
-

Proposed vegetation removal, replacement, and any mitigation measures are consistent with the purpose

- and intent of the regulations.

- The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious
- to other property in the vicinity.
3. The Director may waive this provision for site restoration or enhancement projects conducted under an approved vegetation management plan.

D. The Director may require that a portion of the replacement trees be native species in order to restore or enhance the site to predevelopment character.

E. The condition of replacement trees shall meet or exceed current American Nursery and Landscape Association or equivalent organization's standards for nursery stock.

F. Replacement of removed trees with appropriate native trees at a ratio determined by the Director will be required in critical areas.

G. The Director may consider smaller-sized replacement plants if the applicant can demonstrate that smaller plants are more suited to the species, site conditions, and to the purposes of this subchapter, and are planted in sufficient quantities to meet the intent of this subchapter.

H. All required replacement trees and relocated trees shown on an approved permit shall be maintained in healthy condition by the property owner throughout the life of the project, unless otherwise approved by the Director in a subsequent permit.

I. Where development activity has occurred that does not comply with the requirements of this subchapter, the requirements of any other section of the Shoreline Development Code, or approved permit conditions, the Director may require the site to be restored to as near preproject original condition as possible. Such restoration shall be determined by the Director and may include, but shall not be limited to, the following:

1. Filling, stabilizing and landscaping with vegetation similar to that which was removed, cut or filled;
2. Planting and maintenance of trees of a size and number that will reasonably assure survival and that replace functions and values of removed trees; and
3. Reseeding and landscaping with vegetation similar to that which was removed, in areas without significant trees where bare ground exists.

J. Significant trees which would otherwise be retained, but which were unlawfully removed or damaged or destroyed through some fault of the applicant or their representatives shall be replaced in a manner determined by the Director.

K. Performance Assurance.

1. The Director may require a performance bond for tree replacement and site restoration permits to ensure the installation of replacement trees, and/or compliance with other landscaping requirements as identified on the approved site plans.

2. A maintenance bond may be required after the installation of required site improvements and prior to the issuance of a certificate of occupancy or finalization of permit and following required landscape installation or tree replacement. If required, the maintenance bond and associated agreement shall be in place to ensure adequate maintenance and protection of retained trees and site improvements. The maintenance bond shall be for an amount not to exceed the estimated cost of maintenance and protection measures for a minimum of 36 months or as determined by the Director.

L. **Monitoring.** The Director may require submittal of periodic monitoring reports as necessary to ensure survival of replacement trees. The contents of the monitoring report shall be determined by the Director.

M. **Discovery of Undocumented Critical Areas.** The Director may stop work authorized by a clearing and grading permit if previously undocumented critical areas are discovered on the site. The Director has the authority to require additional studies, plans and mitigations should previously undocumented critical areas be found on a site. (Ord. 406 § 1, 2006; Ord. 398 § 1, 2006; Ord. 299 § 1, 2002; Ord. 238 Ch. V § 5(H), 2000).

20.50.370 Tree protection standards.

The following protection measures shall be imposed for all trees to be retained on-site during the construction process.

A. All required tree protection measures shall be shown on the tree protection and replacement plan, clearing and grading plan, or other plan submitted to meet the requirements of this subchapter.

B. Tree dripline areas shall be protected. No fill, excavation, construction materials, or equipment staging or traffic shall be allowed in the dripline areas of trees that are to be retained.

C. Prior to any land disturbance, temporary construction fences must be placed around the dripline of trees to be preserved. If a cluster of trees is proposed for retention, the barrier shall be placed around the edge formed by the drip lines of the trees to be retained.

D. Tree protection barriers shall be a minimum of four feet high, constructed of chain link, or polyethylene laminar safety fencing or similar material, subject to approval by the Director. "Tree Protection Area" signs shall be posted visibly on all sides of the fenced areas. On large or multiple-project sites, the Director may also require that signs requesting subcontractor cooperation and compliance with tree protection standards be posted at site entrances.

E. Where tree protection areas are remote from areas of land disturbance, and where approved by the Director, alternative forms of tree protection may be used in lieu of tree protection barriers; provided, that protected trees are completely surrounded with continuous rope or flagging and are accompanied by "Tree Leave Area – Keep Out" signs.

F. Rock walls shall be constructed around the tree, equal to the dripline, when existing grade levels are lowered or raised by the proposed grading.

G. Retain small trees, bushes and understory plants within the tree protection zone to the maximum extent practicable.

H. **Preventative Measures.** In addition to the above minimum tree protection measures, the applicant should support tree protection efforts by employing, as appropriate, the following preventative measures, consistent with best management practices for maintaining the health of the tree:

1. Pruning of visible deadwood on trees to be protected or relocated;
2. Application of fertilizer to enhance the vigor of stressed trees;
3. Use of soil amendments and soil aeration in tree protection and planting areas;
4. Mulching over tree drip line areas; and
5. Ensuring proper watering during and immediately after construction and throughout the first growing season after construction.

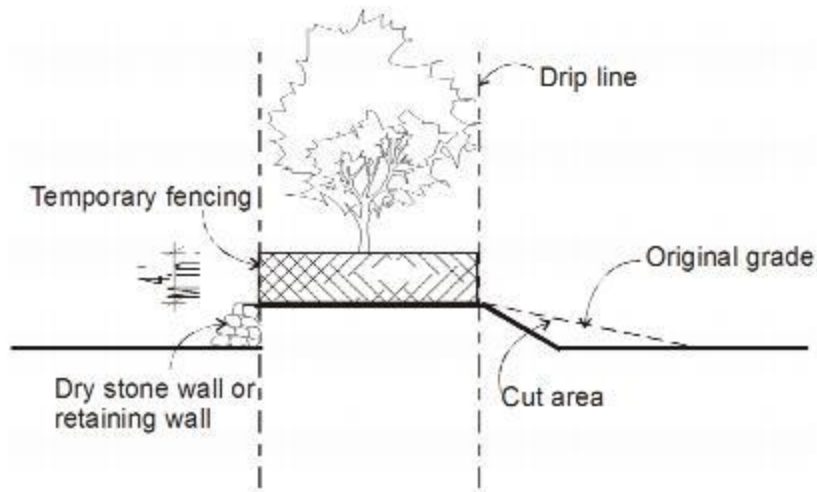


Figure 20.50.370: Illustration of standard techniques used to protect trees during construction.

Exception 20.50.370:

The Director may waive certain protection requirements, allow alternative methods, or require additional protection measures based on concurrence with the recommendation of a certified arborist deemed acceptable to the City. (Ord. 398 § 1, 2006; Ord. 238 Ch. V § 5(l), 2000).