



San Juan County Community Development & Planning

135 Rhone Street, P.O. Box 947, Friday Harbor, WA 98250
 (360) 378-2354 | (360) 378-2116 | Fax (360) 378-3922
 www.sanjuanco.com

Shoreline Tree Removal Plan Application

The purpose of this application is to determine if the proposed tree removal plan is consistent with current San Juan County regulations. Tree removal in the shoreline is regulated by the following Sections of the San Juan County Code:

- 18.35.020 -.050 Critical Areas
- 18.35.085 -.105 Wetlands
- 18.35.110 - .140 FWHCA
- 18.50.060 Clearing and grading
- 18.50.130 Vegetation management
- 18.50.540 Mitigation

PROPERTY INFORMATION	
Tax Parcel Number: _____	Land Use/Shoreline Designation: _____
Property Size: _____	Water Body: _____

OWNER AND AGENT INFORMATION:	
Name of Owners: _____	Name of Agent: _____
Address _____	Address _____
City, State, Zip _____	City, State, Zip _____
Phone Number _____	Phone Number _____
Email _____	E-mail _____

CERTIFICATION (Must be signed by all property owners of record or a notarized agent signature provided.)		
I have examined this application and attachments and know the same to be true and correct and certify that this application is being made with the full knowledge and consent of all owners of the affected property.		
_____ <i>Signature of Property Owner (or Agent with notarized authorization attached.)</i>	_____ <i>Printed Name</i>	_____ <i>Date</i>
_____ <i>Signature of Property Owner (or Authorized Agent with notarized authorization attached.)</i>	_____ <i>Printed Name</i>	_____ <i>Date</i>
_____ <i>Signature of Property Owner (or Authorized Agent with notarized authorization attached.)</i>	_____ <i>Printed Name</i>	_____ <i>Date</i>
For CD&P Use Only	Complete Application: <input type="checkbox"/> YES <input type="checkbox"/> NO	Receipt Number: 0000
Amt. Paid:	Date Received:	

See following pages for additional instructions and requirements

GENERAL REQUIREMENTS: In preparing tree removal plans, applicants should be mindful that trees may not be "excessively removed," the shoreline shall be "protected from degradation," and "existing vegetation" shall be used to visually buffer structures." A tree replanting plan may also be required to ensure compliance with these requirements. Tree removal in the shoreline jurisdiction must also meet the vegetation and tree removal requirements of the critical area regulations in SJCC Chapter 18.35.

To accurately review and approve or deny any request for tree removal in the shoreline, the submittal of a tree removal narrative, site plan and photographs are required. In addition, if removal of hazard trees are requested, please submit the attached ISA Basic Tree Risk Assessment Form signed by your Certified Arborist. A check for \$105.00 payable to SJC CD&P must be submitted with your application for the review and processing of your application (see Land Use Applications Fees at <http://www.sanjuanco.com/permitcenter/ApplicationForms.aspx>).

SCALED SITE PLAN: The scaled site plan shall include and accurately depict the following:

- Parcel lot lines,
- Existing structures and driveways, and
- Location and identification (by unique number) of existing trees *including the area covered by the tree canopy and vegetation*,
- Existing or proposed view and solar access corridors (1"=50' scale is preferable);
- Mark tree(s) you wish to remove with an 'X' and their Unique number (coordinated with key in table format)
- Lines marking the Ordinary High Water Mark (OHWM) and 200 feet from OHWM (extent of Shoreline Master Program jurisdiction);
- Lines marking the minimum shoreline setback from the Ordinary High Water Mark, Top of the Bank or Berm, whichever is located farthest from the shore:
 - o 50 feet (minimum development setbacks with adequate screening) or
 - o 100 feet (minimum development setbacks without adequate screening)
- Lines marking FWHCA Tree Protection Zone 1 (first 35 feet from OHWM) and FWHCA Tree Protection Zone 2 (next 75 feet from the OHWM) (See 18.35.130 – FWHCA);
- Lines marking the FWHCA Water Quality buffer (50-150 feet from OHWM depending upon land use intensity (See SJCC Table 18.35.130-1.)).
- If removal of trees is requested beyond those needed for driveways, buildings, view and solar access, identify all improvements or landscaping to be located in the area after the trees are removed.
- Replanting areas and legend if applicable.
- A separate key in table format that provides:
 - o The unique identification number of each tree,
 - o Species of each tree (Scientific name);
 - o Diameter at breast height (inches at 4.5 feet above the ground) of each tree;
 - o Each tree's canopy diameter or square footage (in feet or ft²), and
 - o Each tree to be removed or to be relocated must be identified on the scaled site plan
- If trees are to be relocated, the following should also be depicted: (a) Current location of each tree to be relocated
(b) Proposed location of each relocated tree

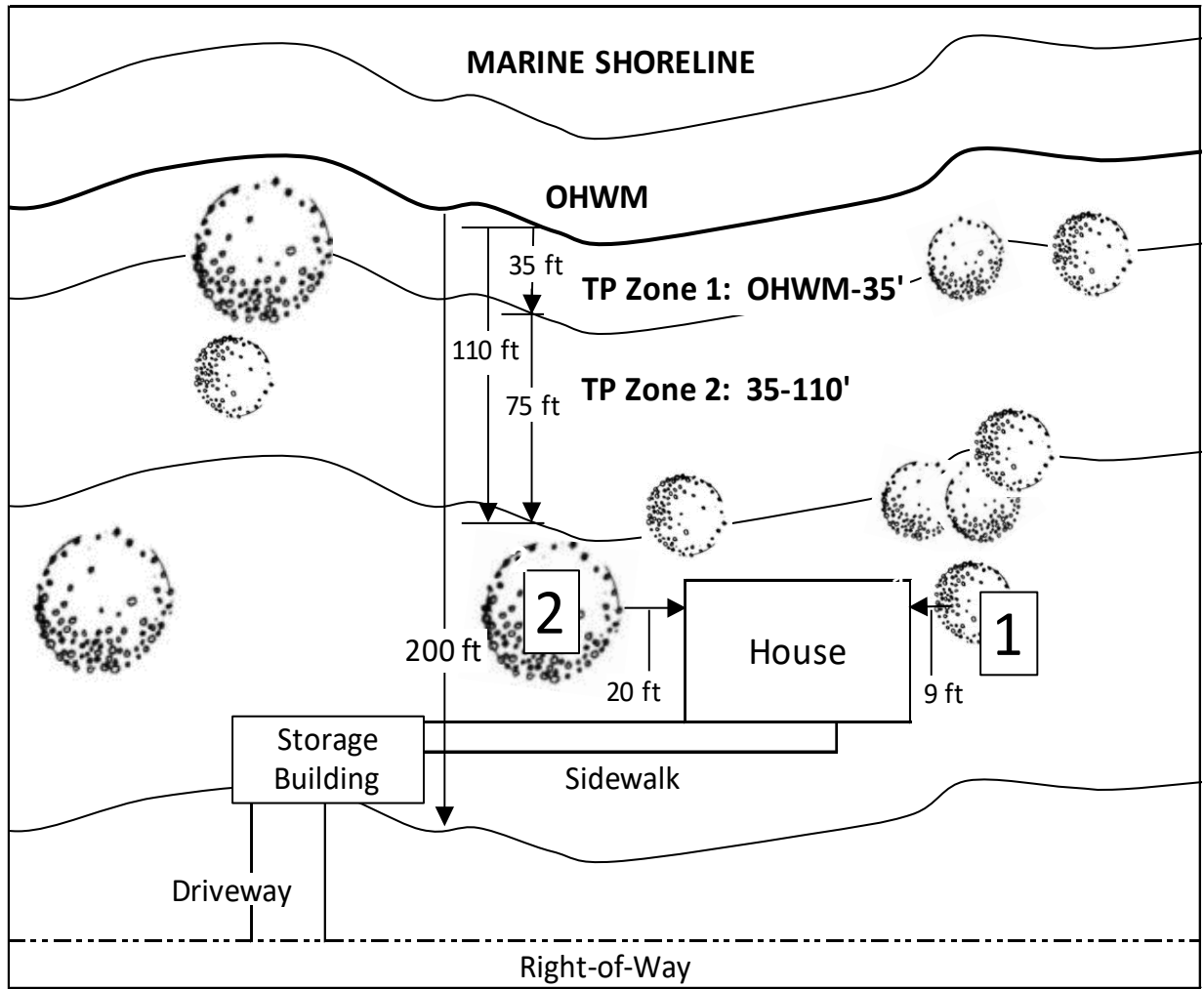
NARRATIVE: The narrative must confirm that:

- With the proposed tree removal, less than 40 percent of the volume of trees over 6" diameter at 4.5 feet above the ground were removed in the last 10 years, that the remaining tree stocking levels will meet SJCC 18.35.130 and the remaining forest will have trees of all ages (including small trees) that are well distributed across the Tree Protection Zones that extend 110 feet from the OHWM; and
- For removal of hazard trees, the name, contact information and license number of the Certified Arborist who confirmed the tree(s) meets the definition of "hazard tree" in SJCC 18.20.080.

PHOTOGRAPHS: Pictures shall be submitted that clearly:

- o Show existing conditions,
- o The distance from the existing target (structure) and the tree(s) to be removed,
- o Identify the trees by a unique number if more than one tree is to be removed, and
- o Ensure tree numbers identified on photographs match the site plan tree numbers.

Shoreline Tree Removal Site Plan Example
(Example not to scale)



Scale: 1" = 50 feet



Notes

1. FWHCA water quality buffer 75 feet from OHWM is not shown as no tree removal is proposed in that area

Schedule of Trees to be Removed			
Tree No.	Trunk Diameter at 4.5' off ground	Canopy Diameter	Tree Species (<i>Scientific name</i>)
1.	18"	45' d	Douglas fir (<i>Pseudotsuga menziesii</i>)
2.	28'	60' d	shore pine (<i>Pinus contorta</i>)
3.			

OHWM - Ordinary High Water Mark
TP Zone - Tree Protection Zone
FWHCA - Fish and Wildlife Habitat Critical Area

Date: _____
 Arborist: _____
 Signature: _____
 Arborist license# _____



Basic Tree Risk Assessment Form

Client _____ Date _____ Time _____
 Address/Tree location _____ Tree no. _____ Sheet _____ of _____
 Tree species _____ dbh _____ Height _____ Crown spread dia. _____
 Assessor(s) _____ Tools used _____ Time frame _____

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1 – rare 2 – occasional 3 – frequent 4 – constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1 x Ht.	Target within 1.5 x Ht.			
1								
2								
3								
4								

Site Factors

History of failures _____ **Topography** Flat Slope _____ % **Aspect** _____
Site changes None Grade change Site clearing Changed soil hydrology Root cuts Describe _____
Soil conditions Limited volume Saturated Shallow Compacted Pavement over roots _____ % Describe _____
Prevailing wind direction _____ **Common weather** Strong winds Ice Snow Heavy rain Describe _____

Tree Health and Species Profile

Vigor Low Normal High **Foliage** None (seasonal) None (dead) Normal _____ % Chlorotic _____ % Necrotic _____ %
Pests/Biotic _____ **Abiotic** _____
Species failure profile Branches Trunk Roots Describe _____

Load Factors

Wind exposure Protected Partial Full Wind funneling _____ **Relative crown size** Small Medium Large
Crown density Sparse Normal Dense **Interior branches** Few Normal Dense **Vines/Mistletoe/Moss** _____
Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown LCR _____ %
 Dead twigs/branches _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches
Pruning history
 Crown cleaned Thinned Raised
 Reduced Topped Lion-tailed
 Flush cuts Other _____
 _____ Condition(s) of concern _____
 Part Size _____ Fall Distance _____
Load on defect N/A Minor Moderate Significant
Likelihood of failure Improbable Possible Probable Imminent
 Cracks _____ Lightning damage
 Codominant _____ Included bark
 Weak attachments _____ Cavity/Nest hole _____ % circ.
 Previous branch failures _____ Similar branches present
 Dead/Missing bark Cankers/Galls/Burls Sapwood damage/decay
 Conks Heartwood decay _____
 Response growth _____

— Trunk —

Dead/Missing bark Abnormal bark texture/color
 Codominant stems Included bark Cracks
 Sapwood damage/decay Cankers/Galls/Burls Sap ooze
 Lightning damage Heartwood decay Conks/Mushrooms
 Cavity/Nest hole _____ % circ. Depth _____ Poor taper
 Lean _____ ° Corrected? _____
 Response growth _____
 Condition(s) of concern _____
 Part Size _____ Fall Distance _____
Load on defect N/A Minor Moderate Significant
Likelihood of failure Improbable Possible Probable Imminent

— Roots and Root Collar —

Collar buried/Not visible Depth _____ Stem girdling
 Dead Decay Conks/Mushrooms
 Ooze Cavity _____ % circ.
 Cracks Cut/Damaged roots Distance from trunk _____
 Root plate lifting Soil weakness
 Response growth _____
 Condition(s) of concern _____
 Part Size _____ Fall Distance _____
Load on defect N/A Minor Moderate Significant
Likelihood of failure Improbable Possible Probable Imminent

