



DEPARTMENT OF COMMUNITY DEVELOPMENT

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STORMWATER CALCULATION WORKSHEET

PARCEL # _____	PROJECT/APPLICANT NAME: _____
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DETERMINING STORMWATER MANAGEMENT REQUIREMENTS: This stormwater calculation worksheet should be completed first to classify the proposal as “small,” “medium,” or “large.” The size determines whether a Stormwater Site Plan is required in conjunction with a stand-alone stormwater management permit application, building permit application, or other land use approval application that involves stormwater review. The basic information will also be helpful for completing a Stormwater Site Plan, if required.

<u>PARCEL SIZE (I.E., SITE)</u>	
Size of parcel _____ acres	An acre contains 43,560 square feet. Multiply the acreage by this figure.
Size of parcel in square feet _____ sq/ft	

Land-disturbing activity is any activity that results in movement of earth, or a change in the existing soil cover (both vegetative and non-vegetative) and/or the existing soil topography. Land disturbing activities include, but are not limited to clearing, grading, filling, excavation, and compaction associated with stabilization of structures and road construction.

Native vegetation is vegetation comprised of plant species, other than noxious weeds, which reasonably could have been expected to naturally occur on the site. Examples include species such as Douglas fir, western hemlock, western red cedar, alder, big-leaf maple, and vine maple; shrubs such as willow, elderberry, salmonberry, and salal; herbaceous plants such as sword fern, foam flower, and fireweed.

<u>LAND DISTURBING ACTIVITY, CONVERSION OF NATIVE VEGETATION, AND VOLUME OF CUT/FILL</u>	
<p>Calculate the total area to be cleared, graded, filled, excavated, and/or compacted for proposed development project. Include in this calculation the area to be cleared for:</p> <p>Construction site for structures _____ sq/ft</p> <p>Drainfield, septic tank, etc. _____ sq/ft</p> <p>Well, utilities, etc. _____ sq/ft</p> <p>Driveway, parking, roads, etc. _____ sq/ft</p> <p>Lawn, landscaping, etc. _____ sq/ft</p> <p>Other compacted surface, etc. _____ sq/ft</p> <p>Temporary construction area _____ sq/ft</p> <p>Total Land Disturbance _____ sq/ft</p>	<p>Answer the following two questions related to conversion of native vegetation:</p> <p>Does the project convert ¾ acres or more of native vegetation to lawn or landscaped areas?</p> <p>Circle: Yes No</p> <p>Does the project convert 2 ½ acres or more of native vegetation to pasture?</p> <p>Circle: Yes No</p> <p>Indicate Total Volumes of Proposed: (Includes BMP T5.13 Fill Volume)</p> <p>Cut _____ Fill _____ (cu/yd)</p>

STORMWATER CALCULATIONS – IMPERVIOUS SURFACE

Impervious surface is a hard surface that either prevents or slows the entry of water into the soil as under natural conditions prior to development. A hard surface area which causes water to run off the surface in greater quantities or at an increased rate of flow from the flow present under natural conditions prior to development. Common impervious surfaces include, but are not limited to roof tops, walkways, patios, driveways, parking lots or storage areas, concrete or asphalt paving, gravel roads, packed earthen materials, and oiled, macadam or other surfaces which similarly impede the natural infiltration of stormwater.

NEW

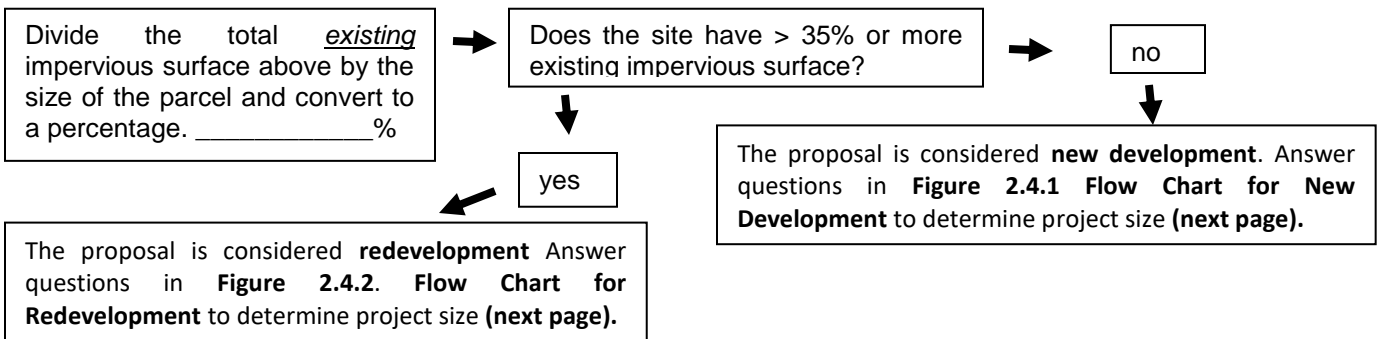
Structures (all roof area) _____ sq/ft
 Sidewalks _____ sq/ft
 Patios _____ sq/ft
 Solid Decks (without infiltration below) _____ sq/ft
 Driveway, parking, roads, etc _____ sq/ft
 Other _____ sq/ft
Total New _____ sq/ft

EXISTING

Structures (all roof area) _____ sq/ft
 Sidewalks _____ sq/ft
 Patios _____ sq/ft
 Solid Decks (without infiltration below) _____ sq/ft
 Driveway, parking, roads, etc _____ sq/ft
 Other _____ sq/ft
Total Existing _____ sq/ft

TOTAL NEW + TOTAL EXISTING* _____ sq/ft *This amount will be used to check total lot coverage.

DEVELOPMENT v. REDEVELOPMENT



~ Applicants for “**small**” projects must comply only with Minimum Requirement #2—Construction Stormwater Pollution Prevention. Please submit the Small Project Certification (Worksheet “s”). The proponent is responsible for employing the 12 Elements to control erosion and prevent sediment and other pollutants from leaving the site during the construction phase of the project. Pick up the **Construction Stormwater Pollution Prevention (SWPPP) Best Management Practices (BMPs) Fact Sheet**.

~ Applicants for “**medium**” projects—those that must meet only Minimum Requirements #1 through #5 must submit Worksheet A1 and B1, a stormwater site plan and a construction stormwater pollution prevention site plan (See Reference A1A and B1A for guidance).).

~ “**Large**” projects—those that must meet all 9 Minimum Requirements— must submit Worksheet A1 and B1, a stormwater site plan and a construction stormwater pollution prevention site plan (See Reference A1A and B1A for guidance). Large projects also may require engineering. See Worksheet L to determine additional large project requirements.

APPLICANT SIGNATURE By signing the Stormwater Calculation Worksheet, I as the applicant/owner attest that the information provided herein is true and correct to the best of my knowledge. I also certify that this application is being made with the full knowledge and consent of all owners of the affected property.

 (LANDOWNER OR AUTHORIZED REPRESENTATIVE SIGNATURE)

 (DATE)