



Site Areas Worksheet

The purpose of this Site Areas Worksheet is to provide basic area and earthwork information associated with the proposed project. This information will be used by Department of Local Services, Permitting Division (Permitting) staff to review for conformance with zoning code for allowed impervious surface coverage, and to also determine which types of discipline reviews will be required for the proposed project. The Site Areas Worksheet (only Pages 3 and 4) is a required submittal item for all single-family residential, agricultural, or clearing and grading permits, regardless of size.

Note that areas provided within the tables on the following pages, shall be consistent with other submittal material provided with the building permit, such as architectural building plans, site plans or drainage report. Inconsistent surface area calculations may result in denial of building permit application. For additional information or questions, applicants may also:

- Call the Permit Center at 206-296-6600
- Email DPERWebInquiries@KingCounty.gov
- [Permit Center hours and location](#)

In order to fill out the Site Areas Worksheet correctly, there are several types of terms used for each of the various impervious surfaces, pervious surfaces and earthwork quantities within the tables. Below is a quick description of each of the key terms and surface types:

New and Replaced Impervious Surface: Includes all impervious surfaces associated with the proposed project that will be newly constructed or modified. These include but are not limited to, roof areas of new or replaced structures (residences, ADU, detached garage), gravel or paved driveways, parking areas, patios, walkways and decks. In addition, the conversion from a compacted surface to a more compacted surface, like paving over pre-existing dirt or gravel is considered as a new impervious surface. Permeable pavement, vegetated roofs and underdrained lawns/synthetic turf areas are also considered as new impervious surface for the purposes of determining thresholds for drainage review.

Existing Impervious to Remain: Includes any existing impervious surfaces that are currently constructed on the site, such as gravel or paved driveways, parking areas, patios and the roof area of any structures that will not be altered with the proposed project and will remain in place once the proposed project is completed. For remodel/addition projects, if the roof of an existing structure will be removed/modified but the foundation will remain in place, then this portion of the remodeled structure would be considered as existing impervious to remain.

Existing Impervious to be Removed: Includes any structures that will be completely removed down to bare soil, including the foundation, or any paved areas that will be completely removed including base course materials and will be converted to a pervious area (such as lawn or plantings) after the project is complete.

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Existing Impervious added since 1/8/2001 without a permit: If the project requires drainage review, then per the [King County Surface Water Design Manual \(KCSWDM\)](#) any impervious surface that has been added since January 8, 2001, without an approved permit, will need to be included as a target surface for flow control mitigation. To determine if impervious surfaces have been added since 1/8/2001, the 2002 aerial image from the [King County iMap](#) application is used as the baseline. For the purposes of filling out Table 1, please include these surfaces within the existing impervious column, such that it does not affect the new and replaced impervious total amount.

Total Clearing Limits, Site Disturbance / Graded Areas: This is the total area of the proposed project, which includes all the proposed impervious areas and all other pervious areas that will either be cleared, graded or disturbed by construction activities.

New Pervious Surface: This is equal to the total clearing limits described above, minus the total new and replaced impervious surface. The new pervious areas will include all pervious areas is the amount of pervious surface that will either be created as part of the project, or the existing pervious areas that have been disturbed as part of the proposed project. The total new pervious surface area will be subject to the [post construction soil amendment standards](#).

Total Onsite Excavation Volume: Includes the total amount of earth material that is to be excavated either permanently or temporarily within the project site. For example, this would include the volume of temporary excavation in order to construct the building foundation (note that the activity of backfilling the temporary excavation with the onsite excavated material does not need to be counted again in the total excavation volume, only the initial excavation volume). This also includes the volume of onsite native topsoil that is to be stripped and stockpiled onsite for re-use at the end of the project.

Total Material to be Exported from Site: Includes any excess onsite earth material (topsoil, native soil, rocks, or unsuitable soils) that will be permanently exported from the site.

Total Material Imported to Site: Includes all earth material that is imported to the project site from an off-site source, in order to achieve the final site grades. Typical imported earth materials to include, structural fill, gravel base course, gravel top course, pea gravel, sand, topsoil, and compost.

Additional Resources

King County [Department of Local Services, Permitting Division](#)

[Site Plan Requirements, Templates and Examples](#)

[Post Construction Soil Standard](#) and [Handout](#)

[Achieving the Post-construction Soil Standard - Calculator](#)

[King County iMap](#)

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Parcel Number	Building Permit Number
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Table 1 – Impervious Surface Once Project is Complete	New and/or Replaced (Square Feet)	Existing to Remain¹ (Square Feet)
Primary Residence Structure Roof Area ² <i>(Including attached garage, covered patios/decks or covered porch)</i>		
Accessory Detached ADU/Garage Structure Roof Area <i>(Detached ADU, garage, shop, etc.)</i>		
Other Structure Roof Areas <i>(Barns, Sheds, Carports, etc.)</i>		
On-site Driveway Area		
Off-site Driveway Area		
Walkways / Sidewalks / Stepping Stone Area		
Uncovered Porch, Decks and / or Patios Area		
Other Impervious Areas:		
Other Impervious Areas:		
Totals		
Total Impervious Surface (New and Existing) Once Project is Complete		
Total Clearing Limits, Site Disturbance / Graded Areas <i>(This area should be shown on the Temporary Erosion and Sedimentation Control (TESC) Plan and shall include Primary Septic Drain Field)</i>		
Total New Pervious Areas <i>(Total Clearing Limits minus total New/Replaced Impervious Area)</i>		

Continued

¹Include existing impervious surfaces that will remain after project completion, and any existing impervious surfaces that have been added since 1/8/2001 without a permit. Do not include existing impervious surfaces to be removed,

² When calculating impervious surface areas for buildings do not list the living/useable space square-footage, instead list the building roof square- footage measured to the outside edge of the eave or gutter.

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Table 2 – Existing Impervious Surfaces to be Removed or Demolished	<i>(Square Feet)</i>
Existing Structures <i>(House, Garage, Barn, Sheds, etc.)</i>	
Existing Surfacing <i>(Gravel, Asphalt, Concrete, etc.)</i>	
Other Existing Impervious:	
Total Existing Impervious Surface to be Removed	

Table 3 – Total Impervious Surfaces Added since 1/8/2001 Without a Permit <i>(Square Feet)</i>	
PROVIDE DESCRIPTION OF AREAS:	

Table 4 – Earthwork Quantities	<i>(Cubic Yards)</i>
Total Onsite Excavation Volume	
Total Material to be Exported from Site	
Total Material to be Imported to Site	