



**City of Duluth
Construction Services & Inspections Division**

411 West First Street • Room 210 • Duluth, Minnesota • 55802-1194
218-730-5300 • Fax: 218-730-5901 • www.duluthmn.gov/onestop/

An Equal Opportunity Employer

Shoreland and Floodplain Application and Worksheet

August 27, 2014

Site Address

Parcel ID

Owner Name

Land Use Tech

FLOODPLAIN TYPE

- Flood Fringe
- Floodway
- General Flood Plain

SHORELAND

- Yes
- No

Project Description

BUILDING ELEVATION REQUIREMENTS

- In floodplain areas, lowest floor including crawlspace must be at least 2 feet above the base flood elevation (BFE + 2.)
- In Shoreland areas, the lowest floor including crawlspace must be at least 3 feet above the ordinary high water level (OHWL + 3.)
- Where land is in both floodplain and Shoreland areas, the more restrictive elevation requirement applies.

SUBMITTAL REQUIREMENTS

In addition to other project submittal and site plan requirements, in Shoreland and Floodplain areas, the following additional items must be provided:

- Site plan showing – 3 copies
 - All existing and proposed structures and impervious surfaces
 - Dimensions from existing and proposed structures and impervious surfaces to OHWL
 - All areas of land disturbance and volume of proposed fill
 - All natural vegetation, trees and shrubs on the property
 - Identification of vegetation trees and shrubs to be disturbed and restored
- Complete Erosion Control Permit application
 - Unless project does not include any land, vegetation or tree disturbance
- Building elevation information, including copy of source of information – 3 copies
- For construction in the floodplain, plans prepared by a MN licensed engineer complying with MN State Building Code requirements for construction in the floodplain. – 2 copies

REMOVAL OF NATURAL VEGETATION, TREES AND SHRUBS, DISTURBANCE OF SHORELAND BUFFER

- For grading and filling of more than 250 sq feet or placement of over 10 cubic yards of material within a *shore impact zone*²:
 - Stormwater management required
 - Shoreline buffer restoration plan required
- Removal of natural vegetation shall prevent erosion and maintain Shoreland aesthetics.
- Removal of trees or shrubs in a contiguous path, strip, row or block is prohibited.
- Natural vegetative buffers³ shall be restored to the extent feasible after any project is complete.

²Shore impact zone: 50% of required structure setback but not less than 50 feet.

³Naturally vegetative buffer: The area that is the entire length of the shore and 50 feet in depth.

KNOWN ELEVATION INFORMATION AND REQUIREMENTS *City Engineering or Surveyor*

Base Flood Elevation (BFE) = or Ordinary High Water Level (OHWL) =

RFPE (BFE+2) = or OHWL + 3 feet =

PROPOSED ELEVATION INFORMATION *The following information to be provided by applicant*

Proposed lowest floor (including crawl space) elevation=

Existing lowest floor (including crawl space) elevation, if applicable=

Source of proposed elevation information

- | | |
|--|---|
| <input type="checkbox"/> Survey <i>Attach copy of survey</i> | <input type="checkbox"/> GIS mapping <i>Attach copy of map</i> |
| <input type="checkbox"/> Building elevation certificate <i>Attach</i> | <input type="checkbox"/> Derived from City Engineering data
<i>Attach drawing and other info with site plan</i> |

Land Use Tech

SHORELAND SETBACK REQUIREMENTS FROM ORDINARY HIGH WATER LEVEL (OHWL)

Measured at closest point to structure or impervious surface

<i>Type</i>	STRUCTURE OHWL Setback Required¹	IMPERVIOUS SURFACE OHWL Setback Required
<input type="checkbox"/> General Development	<i>50 feet</i>	<i>50 feet</i>
<input type="checkbox"/> Natural Environmental	<i>75 feet</i>	<i>50 feet</i>
<input type="checkbox"/> Coldwater	<i>150 feet</i>	<i>50 feet</i>
<input type="checkbox"/> None		

¹Except commercial, mixed and industrial uses in harbor areas shown in UDC Figure 50-18.1.3 shall meet 25 feet required setback.

Proposed structure setback:

Proposed impervious surface setback:

Land Use Tech

<p>Land Use Technician:</p>	<p>Does the existing building comply with Floodplain and Shoreland regs?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Not Applicable</p>	<p>Building code review for flood construction required?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p>
<p>Building Elevation Certificate Required?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p>	<p>Erosion Control Permit App Received?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Not Required</p>	<p>Complete Site Plan Received?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p>