



Applicant  
Use  
Yes    No    N/A  
       

TA  
Use

If addition, is the addition greater or less than 10% the size of the building footprint? (Including any adjacent decks, patios, walkways, etc.)?  
What is the total percent (%) of the existing and proposed impervious surfaces on the portion of the property within the Special Flood Hazard Area?

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Office Use Only			TA Use
Yes	No	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the development require a Habitat Assessment and if necessary Mitigation Plan done by a qualified professional for compliance with the ESA?			
If no to above, please describe:			

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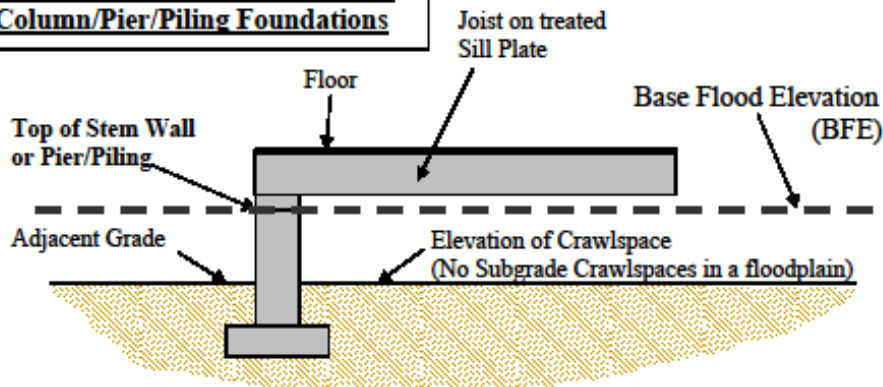
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final drawings in compliance with flood code requirements per WCC Chapter 17?	
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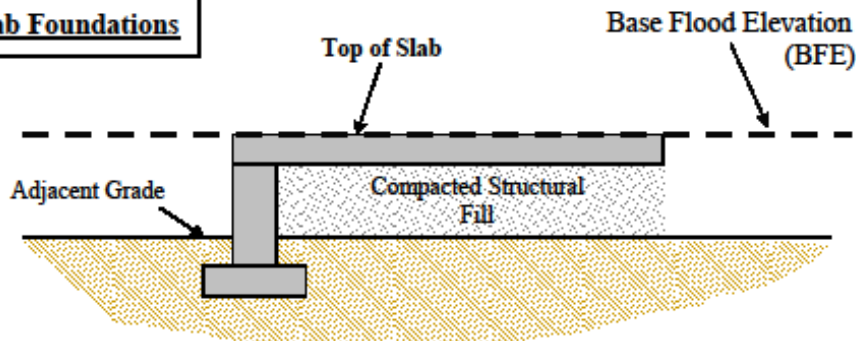
# BUILDING IN A FLOODPLAIN

Residential Structures (06/19/2013)

## Continuous Spread Footing &/or Column/Pier/Piling Foundations

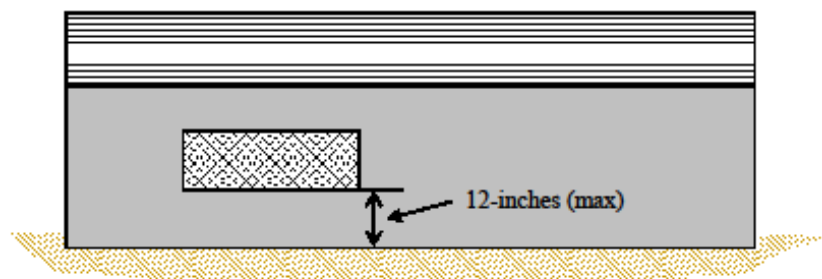


## Slab Foundations



## Flood Venting Requirements for Spread Footing &/or Stem Wall Foundations

1. Must be a min. of two openings on different sides of each enclosed area.
2. Total area of all openings must be at least 1 square inch for each 1 square foot of enclosed area.
3. The bottom of each opening can be no more than 1 foot above the adjacent grade.
4. Any louvers, screens, or other opening covers must not block or impede the automatic flow of floodwaters into and out of the enclosed area.



For questions on development in a **floodplain**, please contact the Whatcom County River and Flood Division at 360-676-6876. We are located at 322 N. Commercial Street.

## Flood Hazard Zone Development Review Form

*(Residential Homes, Mobile Homes, Commercial, etc.)*

Bldg. Owners \_\_\_\_\_ Address \_\_\_\_\_

Tax Parcel No. \_\_\_\_\_ FLD No. \_\_\_\_\_ BLD No. \_\_\_\_\_

Type of Development \_\_\_\_\_

<b>BASE FLOOD ELEVATION (BFE) DATA</b>			
To be completed by Whatcom County Public Works – River/Flood			
<b><u>Building Permit Requirements</u></b>			
Community BFE (NGVD 1929, Other):	BFE determined from:		
Top of Stem Wall, or Slab must be at or above BFE	Map Panel:	Flood Zone:	
	Comments or additional conditions:		
<b><u>Flood Insurance Information</u></b>			
FEMA BFE (NGVD 1929):	Community Number: <b>530198</b>	Map Panel:	Flood Zone:
Community Name: <b>Whatcom County Unincorp.</b>	Revised Index date: <b>November 16, 2007</b>	Map Panel date:	
Comments:			
Filled out by:		Date:	

<b>A. Pre-Construction Survey</b> (to be completed by surveyor)	Stamp and Sign
<b>A1) Lowest Grade</b> in proposed building location (NGVD 1929)	
<b>A2) Highest Grade</b> in proposed building location (NGVD 1929)	
Attach site plan sketch showing proposed location of building, location of two above elevation shots, and approximate BFE contour line (if applicable). Drawing does not have to be to scale, but should show approximate dimensions from lot corner or center of roadway.	

<b>B. Stem Wall Survey</b> (to be completed by surveyor)	Stamp and Sign
<b>B1) Anticipated Elevation of Top of Stem Wall, Slab or Piling</b> (measured from the top of form, chalk line, or other indicator where top of concrete is to be poured to, please note indicator)	
<b>B2) Area of Enclosure</b> (square feet) <i>*If more than one enclosure add total of each</i>	
<b>B3) Area of Flood Vents not more than 12 inches above the adjacent grade</b> (square inches) <i>*Minimum of two openings on different sides of each enclosed area.</i>	
<b>B4) Elevation of Lowest Ground in enclosed area</b> (NGVD 1929) <i>*No sub-grade crawlspace</i>	
Comments:	

<b>C. Final Occupancy Survey</b>
Final permits will not be issued until this form and an official FEMA Elevation Certificate has been properly completed. Copies of both forms must be submitted to and approved by Whatcom County Public Works – River & Flood Division before Temporary Occupancy is granted.

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## Flood Hazard Zone Development Review - Wet Floodproofing Form

*(Barns, Pole Buildings, Attached or Detached Garages, Shops, Sheds, etc.)*

Bldg. Owners \_\_\_\_\_ Address \_\_\_\_\_

Tax Parcel No. \_\_\_\_\_ FLD No. \_\_\_\_\_ BLD No. \_\_\_\_\_

Type of Development \_\_\_\_\_

<b>BASE FLOOD ELEVATION (BFE) DATA</b>			
To be completed by Whatcom County Public Works – River/Flood			
<b>Building Permit Requirements</b>			
Community BFE (NGVD 1929, Other):	BFE determined from:		
	Map Panel:	Flood Zone:	
Structure must be wet floodproofed at or above BFE			
Comments or additional conditions:			
<b>Flood Insurance Information</b>			
FEMA BFE (NGVD 1929):	Community Number: <b>530198</b>	Map Panel:	Flood Zone:
Community Name: <b>Whatcom County Unincorp.</b>	Revised Index date: <b>November 16, 2007</b>	Map Panel date:	
Comments:			
Filled out by:		Date:	

<b>A. Pre-Construction Survey</b> (completed by surveyor)	Stamp and Sign
<b>A1) Lowest Grade</b> in proposed building location (NGVD 1929)	
<b>A2) Highest Grade</b> in proposed building location (NGVD 1929)	
Attach site plan sketch showing proposed location of building, location of two above elevation shots, and approximate BFE contour line (if applicable). Drawing does not have to be to scale, but should show approximate dimensions from lot corner or center of roadway.	

<b>B. TBM Survey &amp; Flood Vents</b> (completed by surveyor)	Stamp and Sign
<b>B1) TBM's</b> set at BFE inside structure at two locations allowing final review by inspector (NGVD 1929). Attach a sketch showing location of TBM's in building. Sketch does not have to be to scale, but should show approx. dimensions from corners of structure or appropriate references.	
<b>B2) Lowest Elevation</b> of electrical, machinery and/or equipment, etc. (NGVD 1929)	
<b>B3) Area of Enclosure</b> (square feet) *Note: if more than one enclosure add total of each	
<b>B4) Area of Flood Vents</b> not more than 12 inches above the adjacent grade (square inches) *Minimum of two openings on different sides of each enclosed area.	

<b>Final Permit Issuance</b>
Final permits will not be issued until this form and an official FEMA Elevation Certificate has been properly completed. Copies of both forms must be submitted to and approved by Whatcom County Public Works – River & Flood Division before Temporary Occupancy is granted.

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