

NOTICE OF PUBLIC HEARING
Before the
Board of Skamania County Commissioners

PURPOSE: Skamania County Board of Commissioners hereby gives notice that a public hearing will be held to consider adopting Ordinance 2024-01, amending Skamania County Code Title 15, Chapter 15.18 Flood Damage Prevention section.

Verbal and written testimony will be considered at the public hearing by the Board of Commissioners. Written testimony may be sent to Skamania County Board of Commissioners, Attn: Clerk of the Board, PO Box 790, Stevenson, WA 98648 or sackos@co.skamania.wa.us. Anyone interested may appear and be heard.

Copies of Ordinance 2024-01 are available to the public in the Commissioners' Office, Room 15, 240 NW Vancouver Avenue, Stevenson, WA or may be viewed on our website at www.skamaniacounty.org.

DATE: Tuesday, April 16th, 2024
TIME: 5:30 p.m.
PLACE: Skamania County Courthouse, Room No. 18 (lower level)
240 NW Vancouver Avenue
Stevenson, WA.

Commissioner Meetings are open to public attendance via ZOOM or in person. ZOOM numbers are as follows:

To Join by Phone with Audio Only, Dial: 1 (346) 248-7799 US
To Join with Zoom App - <http://us02web.zoom.us/j/88906321210>
Meeting ID: 889 0632 1210

Skamania County Courthouse is accessible for persons with disabilities. To let us know if you will need special accommodation to attend the meeting, please call: (509) 427-3700.

DATED this 19th day of March, 2024

Lisa Sackos
Clerk of the Board

Publish: March 27th, 2024
April 3rd, 2024
April 10th, 2024

ORDNANCE NO. 2024-01

Amendments to Skamania County Code Title 15, Chapter 15.18 Flood Damage Prevention

WHEREAS, Ordinance 1989-05 established Skamania County Code (SCC) Chapter 15.18, Ordinance 2024-01 amends 15.18 to include the FEMA Flood Insurance Study (FIS), and Flood Insurance Rate Map (FIRM) that will become effective May 22nd, 2024; and


WHEREAS, the Skamania County Board of Commissioners finds that it is in the public's interest to amend Chapter 15.18 as recommended by the Public Works Director to maintain Skamania County's participation in the Nation Flood Insurance Program.

NOW, THEREFORE, BE IT HEREBY ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS that Skamania County Code Title 15, Chapter 15.18, is hereby amended as proposed by FEMA, see attached amended SCC 15.18.

REVIEWED IN REGULAR SESSION this 19th day of March, 2024, and set for public hearing on the 16th day of April, 2024, at 5:30 p.m.



ATTEST:



Lisa Sackos, Clerk of the Board

**BOARD OF COMMISSIONERS
SKAMANIA COUNTY, WASHINGTON**



Asa Leckie, Chairman



T.W. Lannen, Commissioner



Richard Mahar, Commissioner

ORDINANCE NO. 2024-01 is hereby DULY PASSED AND ADOPTED INTO LAW this 14th day of May, 2024.

**BOARD OF COMMISSIONERS
SKAMANIA COUNTY, WASHINGTON**

Asa Leckie, Chairman

ATTEST:

T.W. Lannen, Commissioner

Lisa Sackos, Clerk of the Board

Richard Mahar, Commissioner

Approved as to Form Only:

Adam Kick, Prosecuting Attorney

Chapter 15.18

FLOOD DAMAGE PREVENTION

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15.18.010 Statutory authorization.

The legislature of the state of Washington has delegated the responsibility to local governmental units to adopt regulations designed to promote the public health, safety, and general welfare of its citizenry. Therefore, the board of commissioners of Skamania County, Washington does ordain as set forth in this chapter. (Ord. 1989-05 § 1.1)

15.18.020 Findings of fact.

A. The flood hazard areas of Skamania County are subject to periodic inundation which results in loss of life and property, health, and safety hazards, disruption of commerce and governmental services, extraordinary public expenditures for flood protection and relief, and impairment of the tax base, all of which adversely affect the public health, safety, and general welfare.

B. These flood losses are caused by the cumulative effect of obstructions in areas of special flood hazards which increase flood heights and velocities, and when inadequately anchored, damage uses in other areas. Uses that are inadequately floodproofed, elevated, or otherwise protected from flood damage also contribute to the flood loss. (Ord. 1989-05 § 1.2)

15.18.030 Statement of purpose.

It is the purpose of this chapter to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specified areas by provisions designed:

- A. To protect human life and health;
- B. To minimize expenditure of public money and costly flood control projects;
- C. To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- D. To minimize prolonged business interruptions;
- E. To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets, and bridges located in areas of special flood hazard;
- F. To help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas;
- G. To ensure that potential buyers are notified that property is in an area of special flood hazard; and
- H. To ensure that those who occupy the areas of special flood hazard assume responsibility for their actions. (Ord. 1989-05 § 1.3)

15.18.040 Methods of reducing flood losses.

In order to accomplish its purposes, this chapter includes methods and provisions for:

- A. Restricting or prohibiting uses which are dangerous to health, safety, and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities;
- B. Requiring that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;
- C. Controlling the alteration of natural floodplains, stream channels, and natural protective barriers, which help accommodate or channel floodwaters;
- D. Controlling filling, grading, and other development which may increase flood damage; and

E. Preventing or regulating the construction of flood barriers which will unnaturally divert flood waters or may increase flood hazards in other areas. (Ord. 1989-05 § 1.4)

15.18.050 Definitions.

Unless specifically defined in this section, words or phrases used in this chapter shall be interpreted so as to give them the meaning they have in common usage and to give this chapter its most reasonable application.

***ALTERATION OF WATERCOURSE: ANY ACTION THAT WILL CHANGE THE LOCATION OF THE CHANNEL OCCUPIED BY WATER WITHIN THE BANKS OF ANY PORTION OF A RIVERINE WATERBODY.**

1. "Appeal" means a request for a review of the administrator's interpretation of any provision of this chapter.
2. "Area of shallow flooding" means a designated AO or AH Zone on the Flood Insurance Rate Map (FIRM). The base flood depths range from one to three feet; a clearly defined channel does not exist, the path of flooding is unpredictable and indeterminate; and, velocity flow may be evident. AO is characterized as sheet flow and AH indicates ponding.
3. "Area of special flood hazard" means the land in the floodplain within a community subject to a one percent or greater chance of flooding in any given year. Designation on maps always includes the letters A or V.

***BASE FLOOD: The flood having a 1% chance of being equaled or exceeded in any given year (also referred to as the "100-year flood").**

***Base Flood Elevation (BFE): The elevation to which floodwater is anticipated to rise during the base flood.**

***BASEMENT: Any area of the building having its floor sub-grade (below ground level) on all sides.**

4. "Critical facility" means a facility for which even a slight chance of flood might be too great. Critical facilities include, but are not limited to schools, nursing homes, hospitals, police, fire and emergency response installations, installations which produce, use, or store hazardous materials or hazardous waste.

5. "Development" means any manmade change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations located within the area of special flood hazard.

6. "Flood" or "flooding"

1) A general and temporary condition of partial or complete inundation of normally dry land areas from:

a) The overflow of inland or tidal waters.

b) The unusual and rapid accumulation or runoff of surface waters from any source.

c) Mudslides (i.e., mudflows) which are proximately caused by flooding as defined in paragraph (1)(b) of this definition and are akin to a river of liquid and flowing mud on the surfaces of normally dry land areas, as when earth is carried by a current of water and deposited along the path of the current.

2) The collapse or subsidence of land along the shore of a lake or other body of water as a result of erosion or undermining caused by waves or currents of water exceeding anticipated cyclical levels or suddenly caused by an unusually high water level in a natural body of water, accompanied by a severe storm, or by an unanticipated force of nature, such as flash flood or an abnormal tidal surge, or by some similarly unusual and unforeseeable event which results in flooding as defined in paragraph (1)(a) of this definition.

~~means a general and temporary condition of partial or complete inundation of normally dry land areas from:~~

~~a. The overflow of inland or tidal waters; and/or~~

~~b. The unusual and rapid accumulation of runoff of surface waters from any source.~~

*Flood elevation study: An examination, evaluation and determination of flood hazards and, if appropriate, corresponding water surface elevations, or an examination, evaluation and determination of mudslide (i.e., mudflow) and/or flood-related erosion hazards. Also known as a Flood Insurance Study (FIS).

7. "Flood Insurance Rate Map (FIRM)" means the official map on which the Federal Insurance ~~Administration-Administrator~~ has delineated both the areas of special flood hazards and the risk premium zones applicable to the community.

8. "Flood Insurance Study" means the official report provided by the Federal Insurance Administration that includes flood profiles, the Flood Boundary-Floodway Map, and the water surface elevation more than one foot.

***Floodplain or flood-prone area:** Any land area susceptible to being inundated by water from any source. See "Flood or flooding."

***Floodplain administrator:** The community official designated by title to administer and enforce the floodplain management regulations.

***Flood proofing:** Any combination of structural and nonstructural additions, changes, or adjustments to structures which reduce or eliminate risk of flood damage to real estate or improved real property, water and sanitary facilities, structures, and their contents. Flood proofed structures are those that have the structural integrity and design to be impervious to floodwater below the Base Flood Elevation.

9. "Floodway" means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than ~~one foot~~, a designated height.

***Functionally dependent use:** A use which cannot perform its intended purpose unless it is located or carried out in close proximity to water. The term includes only docking facilities, port facilities that are necessary for the loading and unloading of cargo or passengers, and ship building and ship repair facilities, and does not include long-term storage or related manufacturing facilities.

***Highest adjacent grade:** The highest natural elevation of the ground surface prior to construction next to the proposed walls of a structure.

***Historic structure:** Any structure that is:

- 1) Listed individually in the National Register of Historic Places (a listing maintained by the Department of Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register;
- 2) Certified or preliminarily determined by the Secretary of the Interior as contributing to the historical significance of a registered historic district or a district preliminarily determined by the Secretary to qualify as a registered historic district;
- 3) Individually listed on a state inventory of historic places in states with historic preservation

programs which have been approved by the Secretary of Interior; or

4) Individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:

a) By an approved state program as determined by the Secretary of the Interior, or

b) Directly by the Secretary of the Interior in states without approved programs.

10. "Lowest floor" means the lowest floor of the lowest enclosed area (including basement). An unfinished or flood resistant enclosure, usable solely for parking of vehicles, building access or storage in an area other than a basement area, is not considered a building's lowest floor, provided that such enclosure is not built so as to render the structure in violation of the applicable non-elevation design requirements of this chapter found at Section [15.18.170\(A\)\(2\)](#).

11. "Manufactured home" means a structure, transportable in one or more sections, which is built on a permanent chassis, and is designed for use with or without a permanent foundation when connected to the required utilities. For floodplain management purposes the term "manufactured home" also includes park trailers, travel trailers, and other similar vehicles placed on a site for greater than one hundred eighty consecutive days. For insurance purposes the term "manufactured home" does not include park trailers, travel trailers, and other similar vehicles.

12. "Manufactured home park or subdivision" means a parcel (or contiguous parcels) of land under the same ownership divided into three or more manufactured home lots for rent or sale.

***Mean Sea Level: For purposes of the National Flood Insurance Program, the vertical datum to which Base Flood Elevations shown on a community's Flood Insurance Rate Map are referenced.**

13. "New construction" means structures for which the "start of construction" commenced on or after the effective date of the ordinance codified in this chapter and includes any subsequent improvements to such structures.

***Recreational Vehicle: A vehicle,**

1) Built on a single chassis;

2) 400 square feet or less when measured at the largest horizontal projection;

3) Designed to be self-propelled or permanently towable by a light duty truck; and

4) Designed primarily not for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.

14. "Start of construction" includes substantial improvement, and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, placement or other improvement was within one hundred eighty days of the permit date. The actual start means either the first placement of permanent construction of a structure on a site, such as the pouring of slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation; or the placement of a manufactured home on a foundation. Permanent construction does not include land preparation, such as clearing, grading and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for a basement, footings, piers, or foundation or the erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not part of the main structure. For a substantial improvement, the actual start of construction means the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not that alteration affects the external dimensions of the building.

15. "Structure" means a walled and roofed building, including a gas or liquid storage tank that is principally above ground as well as a manufactured home.

16. *SUBSTANTIAL DAMAGE: Damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.

a. "Substantial improvement" means any repair, reconstruction, or improvement of a structure, the cost of which equals or exceeds fifty percent of the market value of the structure before the "start of construction" of the improvement. This term includes structures which have incurred "substantial damage," regardless of the actual repair work performed. either:

i. Before the improvement or repair is started; or

~~ii. If the structure has been damaged and is being restored, before the damage occurred. For the purposes of this definition "substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floors or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure.~~

b. The term does not, however, include either:

i. Any project for improvement of a structure to correct previously identified ~~comply with~~ existing violations of state or local health, sanitary, or safety code specifications that have been identified by the local code enforcement official and that are the minimum ~~which are solely~~ necessary to assure safe living conditions; or

ii. Any alteration of a "historic structure," provided that the alteration will not preclude the structure's continued designation as a "historic structure." ~~structure listed on the National Register of Historic Places or a State Inventory of Historic Places.~~

*Variance: A grant of relief by a community from the terms of a floodplain management regulation.

17. "Water dependent" means a structure for commerce or industry which cannot exist in any other location and is dependent on the water by reason of the intrinsic nature of its operations. (Ord. 1989-05 § 2.0)

15.18.060 Lands to which this chapter applies.

This chapter shall apply to all areas of special flood hazards within the jurisdiction of Skamania County. (Ord. 1989-05 § 3.1)

15.18.070 Basis for establishing the areas of special flood hazard.

The areas of special flood hazard identified by the Federal Insurance Administration ~~Administrator~~ on ~~in~~ a scientific and engineering report entitled "The Flood Insurance Study for Skamania County and Incorporated Areas," dated August 5, 1986 ~~May 22, 2024~~, with accompanying Flood Insurance Maps is hereby adopted by reference and declared to be a part of this chapter. The Flood Insurance Study is on file at the Skamania County Building Department. (Ord. 1989-05 § 3.2)

15.18.080 Penalties for noncompliance.

No structure or land shall hereafter be constructed, located, extended, converted, or altered without full compliance with the terms of this chapter and other applicable regulations. Violation of the provisions of this chapter by failure to comply with any of its requirements (including violations of conditions and safeguards established in connection with conditions) shall constitute a misdemeanor. Any person who violates this chapter or fails to comply with any of its requirements shall upon conviction thereof be fined not more than five hundred dollars or imprisoned for not more than ninety days, or both, for each violation, and in addition shall pay all costs and expenses involved in the case. Nothing herein contained shall prevent the Skamania County board of commissioners from taking such other lawful action as is necessary to prevent or remedy any violation. (Ord. 1989-05 § 3.3)

15.18.090 Abrogation and greater restrictions.

This chapter is not intended to repeal, abrogate, or impair any existing easements, covenants, or deed restrictions. However, where this chapter and another ordinance, easement, covenant, or deed restriction conflict or overlap, whichever imposes the more stringent restrictions shall prevail. (Ord. 1989-05 § 3.4)

15.18.100 Interpretation.

In the interpretation and application of this chapter, all provisions shall be:

- A. Considered as minimum requirements;
- B. Liberally construed in favor of the governing body; and
- C. Deemed neither to limit nor repeal any other powers granted under state statutes. (Ord. 1989-05 § 3.5)

15.18.110 Warning and disclaimer of liability.

The degree of flood protection required by this chapter is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger floods can and will occur on rare occasions. Flood heights may be increased by manmade or natural causes. This chapter does not imply that land outside the areas of special flood hazards or uses permitted within such areas will be free from flooding or flood damages. This chapter shall not create liability on the part of Skamania County, any officer or employee thereof, or the Federal Insurance Administration, for any flood damages that result from reliance on this chapter or any administrative decision lawfully made hereunder. (Ord. 1989-05 § 3.6)

15.18.120 Development permit—Required— Application.

A. Required. A development permit shall be obtained before construction or development begins within any area of special flood hazard established in Section [15.18.070](#). The permit shall be for all structures including manufactured homes, as set forth in the Section [15.18.050](#), and for all development including fill and other activities, also as set forth in Section [15.18.050](#)

B. Application. Application for a development permit shall be made on forms furnished by the administrator and may include but not be limited to, plans in duplicate drawn to scale showing the nature, location, dimensions, and elevations of the area in question; existing or proposed structures, fill, storage of materials, drainage facilities, and the location of the foregoing. Specifically, the following information is required:

1. Elevation in relation to mean sea level, of the lowest floor (including basement) of all structures;
2. Elevation in relation to mean sea level to which any structure has been floodproofed;
3. Certification by a registered professional engineer or architect that the floodproofing methods for any nonresidential structure meet the floodproofing criteria in Section [15.18.170](#)(B); and
4. Description of the extent to which a watercourse will be altered or relocated as a result of proposed development. (Ord. 1989-05 § 4.1)

15.18.130 Administrator—Designated.

The Skamania County building official is appointed to administer and implement this chapter by granting or denying development permit applications in accordance with its provisions. (Ord. 1989-05 § 4.2)

15.18.140 Administrator—Duties and responsibilities.

Duties of the administrator shall include, but not be limited to:

A. Permit Review.

1. Review all development permits to determine that the permit requirements of this chapter have been satisfied;
2. Review all development permits to determine that all necessary permits have been obtained from those federal, state, or local governmental agencies from which prior approval is required;

3. Review all development permits to determine if the proposed development is located in the floodway. If located in the floodway, assure that the provisions of Section [15.18.180](#) are met;

[4. Review all development permits to ensure the site is reasonably safe from flooding.](#)

B. Use of Other Base Flood Data. When base flood elevation data has not been provided in accordance with Section [15.18.070](#), the administrator shall obtain, review, and reasonably utilize any base flood elevation and floodway data available from a federal, state or other source, in order to administer Sections [15.18.170](#) and [15.18.180](#)

C. Information to be Obtained and Maintained.

1. Where base flood elevation data is provided through the Flood Insurance Study or required as in subsection B of this section, obtain and record the actual (as-built) elevation (in relation to mean sea level) of the lowest floor, including basement, of all new or substantially improved structures, and whether or not the structure contains a basement;

2. For all new or substantially improved floodproofed structures:

a. Verify and record the actual elevation (in relation to mean sea level), and

b. Maintain the floodproofing certifications required in Section [15.18.120](#)(B)(3).

3. Maintain for public inspection all records pertaining to the provisions of this chapter.

D. Alteration of Watercourses.

1. Notify adjacent communities and the Washington State Department of Ecology prior to any alteration or relocation of a watercourse, and submit evidence of such notification to the Federal Insurance Administrator;

2. [Assure that the flood carrying capacity of the altered or relocated portion of said watercourse is maintained.](#) ~~Require that maintenance is provided within the altered or relocated portion of said watercourse so that the flood carrying capacity is not diminished.~~

E. Interpretation of FIRM Boundaries. Make interpretations where needed, as to exact location of the boundaries of the areas of special flood hazards (for example, where there appears to be a conflict between a mapped boundary and actual field conditions). The person contesting the location of the boundary shall be given a reasonable opportunity to appeal the interpretation as provided in Section [15.18.150](#) (Ord. 1989-05 § 4.3)

15.18.150 Appeal procedure.

Any party aggrieved by any final order of the administrator shall have the right to appeal to the Skamania County board of commissioners by filing a written notice of appeal with said board within fifteen calendar days from the date of said final order of the administrator. Such appeals shall be granted consistent with the standards of Section 60.6 of the "Rules and Regulations of the National Flood Insurance Program" ([44 CFR 59-76](#)). (Ord. 1989-05 § 4.4)

15.18.160 General standards.

In all areas of special flood hazards, the following standards are required:

A. Anchoring.

1. All new construction and substantial improvements shall be anchored to prevent flotation, collapse, or lateral movement of the structure [resulting from hydrodynamic and hydrostatic loads including the effects of buoyancy](#).
2. All manufactured homes must likewise be anchored to prevent flotation, collapse or lateral movement, and shall be installed using methods and practices that minimize flood damage. Anchoring methods may include, but are not limited to, use of over-the-top or frame ties to ground anchors (Reference FEMA's "Manufactured Home Installation in Flood Hazard Areas" guidebook for additional techniques).

B. Construction Materials and Methods.

1. All new construction and substantial improvements shall be constructed with materials and utility equipment resistant to flood damage.
2. All new construction and substantial improvements shall be constructed using methods and practices that minimize flood damage.
3. Electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities shall be designed and/or otherwise elevated or located so as to prevent water from entering or accumulating within the components during conditions of flooding.

C. Utilities.

1. All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system;

2. New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharge from the systems into floodwaters; and
3. On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

D. Subdivision Proposals.

1. All subdivision proposals shall be consistent with the need to minimize flood damage;
2. All subdivision proposals shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize flood damage;
3. All subdivision proposals shall have adequate drainage provided to reduce exposure to flood damage; and
4. Where base flood elevation data has not been provided or is not available from another authoritative source, it shall be generated for subdivision proposals and other proposed developments which contain at least fifty lots or five acres (whichever is less).

E. Review of Building Permits. Where elevation data is not available either through the Flood Insurance Study or from another authoritative source (Section [15.18.140\(B\)](#)), applications for building permits shall be reviewed to assure that proposed construction will be reasonably safe from flooding. The test of reasonableness is a local judgement and includes use of historical data, high watermarks, photographs of past flooding, etc., where available. [The minimum elevation in these areas will be at least](#) ~~Failure to elevate at least~~ two feet above grade ~~in these zones may result in higher insurance rates.~~ (Ord. 1989-05 § 5.1)

15.18.170 Specific standards.

In all areas of special flood hazards where base flood elevation data has been provided as set forth in Section [15.18.070](#), or Section [15.18.140\(B\)](#), the following provisions are required.

A. Residential Construction.

1. New construction and substantial improvement of any residential structure shall have the lowest floor, including basement, elevated to or above the base flood elevation.
2. Fully enclosed areas below the lowest floor that are subject to flooding are prohibited, or [if used solely for parking, access or storage](#) shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Design for meeting this requirement must either be certified by a registered professional engineer or architect or must meet or exceed the following minimum criteria:

- a. A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.
- b. The bottom of all openings shall be no higher than one foot above grade.
- c. Openings may be equipped with screens, louvers, or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.

B. Nonresidential Construction. New construction and substantial improvement of any commercial, industrial or other nonresidential structure shall either have the lowest floor, including basement, elevated to or above the level of the base flood elevation; or, together with attendant utility and sanitary facilities, shall:

1. Be floodproofed so that below one foot above the base flood level the structure is watertight with walls substantially impermeable to the passage of water;
2. Have structural components capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy;
3. Be certified by a registered professional engineer or architect that the design and methods of construction are in accordance with accepted standards of practice for meeting provisions of this subsection based on their development and/or review of the structural design, specifications and plans. Such certifications shall be provided to the official as set forth in Section [15.18.140\(C\)\(2\)](#).
4. Nonresidential structures that are elevated, not floodproofed, must meet the same standards for space below the lowest floor as described in subsection (A)(2) of this section.
5. Applicants floodproofing nonresidential buildings shall be notified that flood insurance premiums will be based on rates that are one foot above the floodproofed level (e.g. a building floodproofed to or above the base flood level will be rated as at the base flood level).

C. Critical Facility. Construction of new critical facilities shall be, to the extent possible, located outside the limits of the base floodplain. Construction of new critical facilities shall be permissible within the base floodplain if no feasible alternative site is available. Critical facilities constructed within the base floodplain shall have the lowest floor elevated to three feet or more above the level of the base flood elevation at the site. Floodproofing and sealing measures must be taken to ensure that toxic substances will not be displaced by or released into floodwaters. Access routes elevated to or above the level of the base floodplain shall be provided to all critical facilities to the extent possible.

D. Manufactured Homes. All manufactured homes to be placed or substantially improved within zones A1-30, AH, and AE on the community's FIRM shall be elevated on a permanent foundation such that the lowest floor of the manufactured home is to or above the base flood elevation; and be securely anchored to an adequately anchored foundation system in accordance with the provisions of Section [15.18.160\(a\)\(2\)](#). This paragraph applies to manufactured homes to be placed or substantially improved in an expansion to an existing manufactured home park or subdivision. This paragraph does not apply to manufactured homes to be placed or substantially improved in an existing manufactured home park or subdivision except where the repair, reconstruction, or improvement of the streets, utilities and pads equals or exceeds fifty percent of the value of the streets, utilities and pads before the repair, reconstruction or improvement has commenced. (Ord. 1989-05 § 5.2)

E. Recreational Vehicles

- 1) Recreational vehicles placed on sites are required to either:
- 2) Be on the site for fewer than 180 consecutive days,
- 3) Be fully licensed and ready for highway use, on wheels or jacking system, attached to the site only by quick disconnect type utilities and security devices, and have no permanently attached additions; or

Meet the standards for manufactured homes in (D) above.

15.18.180 Floodways.

Located within areas of special flood hazard established in Section [15.18.070](#) are areas designated as floodways. Since the floodway is an extremely hazardous area due to the velocity of floodwaters which carry debris, potential projectiles, and erosion potential, the following provisions apply:

A. Prohibit encroachments, including fill, new construction, substantial improvements, and other development unless certification by a registered professional engineer or architect is provided demonstrating that encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge.

B. Construction or reconstruction of residential structures is prohibited within designated floodways, except for:

1. Repairs, reconstruction, or improvements to a structure which do not increase the ground floor area; and

2. Repairs, reconstruction or improvements to a structure, the cost of which does not exceed fifty percent of the market value of the structure either,

a. Before the repair, reconstruction, or repair is started, or

b. If the structure has been damaged, and is being restored, before the damage occurred. Work done on structures to comply correct existing violations of with existing health, sanitary, or safety code specifications that have been identified by the local code enforcement official and that are the minimum necessary to assure safe living conditions. or to structures identified as historic places shall not be included in the fifty percent.

C. If subsection (A) of this section is satisfied, all new construction and substantial improvements shall comply with all applicable flood hazard reduction provisions of Sections [15.18.160](#) through [15.18.190](#) of this chapter. (Ord. 1989-05 § 5.3)

15.18.190 Encroachments.

In areas with BFEs (but a regulatory floodway has not been designated), no new construction, substantial improvements, or other development (including fill) shall be permitted within zones A1-30 and AE on the community's FIRM, unless it is demonstrated that the ~~The~~ cumulative effect of any proposed development, where combined with all other existing and anticipated development, shall not increase the water surface elevation of the base flood more than one point. (Ord. 1989-05 § 5.4)