CHAPTER 178

FLOODPLAIN OVERLAY ZONE

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178.005. STATUTORY AUTHORIZATION. The Legislature of the State of Oregon has in ORS 221.916 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 Polk County, Oregon, does ordain as follows:

178.010. PURPOSE. It is the purpose of the Floodplain Overlay Zone to regulate the use of those areas subject to periodic flooding and to permit and encourage the retention of open land uses that are compatible and harmonious in nature. In advancing these principles and the general purposes of the Polk County Comprehensive Plan and Zoning Ordinance, the specific intent of this zone is:

(A) To combine with present zoning requirements, certain restrictions made necessary for the known floodplains to promote the general health, welfare and safety of the County.

(B) To minimize the impact due to the establishment of certain structures and land uses in areas unfit for human habitation because of danger of flooding, unsanitary conditions or other hazards.

(C) To minimize danger to public health by protecting the water supply and promoting safe and sanitary drainage.

(D) To reduce the financial burden imposed on the public and governmental units by frequent and periodic flooding.

(E) To permit certain uses which can be strategically located in the floodplain as herein defined and which will not cause danger to life and property at, above or below their locations within the floodplain.

(F) To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public.

(G) To ensure that potential buyers are notified that property is in the floodplain.

(H) To ensure that those who occupy the areas within floodplains assume responsibility for their actions.

(I) To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in floodplains.

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

"APPEAL" means a request for a review of the Planning Director's or Building Official's interpretation of any provisions of this ordinance or a request for a variance. Such an appeal shall be made to the Building Inspection Board of Appeals or to the Board of Commissioners.

"BASE FLOOD" means the flood having a one percent chance of being equaled or exceeded in any given year, referred to as the '100-year flood.' Designation on maps always includes the letters A or V.

"BASEMENT" means any area of the building having its floor subgrade (below ground level) on all sides.

"DEVELOPMENT" means any man-made 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 or storage of equipment or materials located within floodplains.

"FLOOD" or "FLOODING" means a general and temporary condition of partial or complete inundation of normally dry land areas from:
(1) The overflow of inland or tidal waters and/or
(2) The unusual and rapid accumulation of runoff of surface waters from any source.

"FLOOD INSURANCE RATE MAP (FIRM)" means the official map on which the Federal Insurance Administration has delineated floodplains (also known as Special Flood Hazard areas) applicable to the community.

"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 of the base flood.

"FLOODPLAIN" means the land within a community subject to a one percent or greater chance of flooding in any given year. This area is referred to on the Flood Insurance Rate Map as the "Special Flood Hazard Areas". Designation on maps always includes the letters A or V.

"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. Floodways are determined by FEMA using a numerical model. The floodway is an extremely hazardous area due to the velocity of flood waters which carry debris and potential projectiles, along with an elevated erosion potential.

"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 ordinance found at Section 178.070 (B)(3).

"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 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 180 consecutive days.

"MANUFACTURED HOME PARK OR SUBDIVISION" means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

"NEW CONSTRUCTION" means structures for which the "start of construction" commenced on or after the effective date of this ordinance.

“RECREATIONAL VEHICLE” means a vehicle which is:
   (a) Built on a single chassis;
   (b) 400 square feet or less when measured at the largest horizontal projection;
   (c) Designed to be self-propelled or permanently towable by a light duty truck; and
   (d) Designed primarily not for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.

"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 180 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.

"STRUCTURE" means a walled and roofed building including a gas or liquid storage tank that is principally above ground.

"SUBSTANTIAL IMPROVEMENT" means any repair, reconstruction, or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure, either:

1. before the improvement or repair is started, or
2. 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, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure.

The term does not, however, include either:

1. any project for improvement of a structure to comply with existing state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which are the minimum necessary to assure safe living conditions, or
2. any alteration of a structure listed on the National Register of Historic Places or a State Inventory of Historic Places.

“SUBSTANTIAL DAMAGE” means 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.

"VARIANCE" means a grant of relief from the requirements of this ordinance which permits construction in a manner that would otherwise be prohibited by this ordinance.

"WATERCOURSE" means any natural or artificial channel in which a flow of water occurs either continually or intermittently which is identified as having a floodplain on the Polk County Flood Insurance Rate map.

178.020. GENERAL PROVISIONS. The following regulations apply to all areas of special flood hazards within the jurisdiction of Polk County, Oregon. The areas of special flood hazard identified by the Federal Insurance Administration in a scientific and engineering report entitled “The Flood Insurance Study for Polk County, Oregon, and Incorporated Areas” dated December 19, 2006 and any revisions there to with accompanying Flood Insurance Rate Maps and any revisions there to are hereby adopted by reference and declared a part of this Ordinance. The issue of the map most recently adopted by Polk County shall apply. The Flood Insurance Rate Maps and Flood Insurance Study are on file at the Polk County Community Development Department, Polk County Courthouse, Dallas, Oregon.

Proposed revisions to any portion of the Polk County FIRM by the Federal Emergency Management Agency (FÉMA) that would result in changes to the location of floodplain boundaries shall constitute the initiation of a zone change proceeding by a government body subject to the standards for such proceedings as described in the Polk County Zoning Ordinance (PCZO). A public hearing shall be held and notice of such hearing shall be given to all affected property owners as provided for by the PCZO. Notice of such public hearing shall be provided to FEMA.

As described in Section 178.100, the county or a private party may request that a map be revised through the issuance of a Letter of Map Revision (LOMR). LOMR requests which would result in a change to floodplain boundaries, but not floodway boundaries, and LOMR requests which would remove from floodplains individual structures or parcels elevated by the placement of fill,
shall constitute the initiation of a zone change proceeding subject to the standards for such proceedings as described in the PCZO. A public hearing shall be held and notice of such hearing shall be given to all affected property owners as provided for by the PCZO. Notice of such public hearing shall be provided to FEMA.

Proposed amendments to the Polk County FIRM which change floodway boundaries only, including both revisions proposed by FEMA and revisions initiated through the LOMR process, shall not be considered a zone change proceeding, however, a public hearing shall be held and notice of such hearing shall be given to all affected property owners. Notice of such public hearing shall be provided to FEMA.

When base flood elevation data is not available, the Planning Director shall have the authority to determine the location of the boundaries of the floodplain where there appears to be a conflict between a mapped boundary and the actual field conditions, provided a record is maintained of any such determination. In making such a determination, the Planning Director shall obtain, review, and reasonably utilize any base flood elevation and floodway data available from a federal, state or other source. The person contesting the location of the boundary shall be given a reasonable opportunity to appeal the interpretation to the Board of Commissioners as provided by the Zoning Ordinance.

178.030. USES. Within the Floodplain Overlay Zone, no uses or structures shall be established except as provided in the applicable underlying zone and in the provisions of this overlay zone. Except as provided herein, all uses and floodplain development shall be subject to the issuance of a development permit or a landuse permit as provided in Section 178.050 and Section 178.060.

The following uses are exempt from the requirements of Chapter 178 of the Polk County Zoning Ordinance. These activities may be conducted in a floodplain without obtaining a landuse permit or a development permit pursuant to Chapter 178 of the Zoning Ordinance. Such activities must, however, conform to all other applicable provisions of the Polk County Zoning Ordinance and the activities shall not fall under the definition of “development”:

(A) The placing by a public agency of signs, markers, aids, etc. to serve the public;

(B) Activities to protect, conserve, enhance and maintain public recreational, scenic, historical, and natural uses of public lands, except that a substantial increase in the level of development of existing public recreational, scenic, historical, or natural uses on public lands shall require review by the Planning Director;

(C) Agriculture as defined in ORS 215.203 (2);

(D) The propagation of timber or the cutting of timber;

(E) Uses legally existing on the effective date of this Ordinance; any change or intensification of such use not otherwise permitted in this section, however, shall require review as provided by this Ordinance.

178.040. PROHIBITED USES. It shall be unlawful to erect, alter, maintain or establish in a floodplain overlay zone any building, use or occupancy not permitted or allowed in the foregoing provisions, except existing nonconforming uses, which may continue as provided by the Zoning Ordinance.

(A) Subdivisions are not consistent with the purpose and intent of this zone and are hereby prohibited.

(B) Storage of Materials and Equipment. Materials that are buoyant, flammable, obnoxious, toxic or otherwise injurious to persons or property if transported by flood waters are prohibited. Storage of materials and equipment not having these characteristics is permissible with a landuse permit, only if the materials and equipment have low damage potential and are anchored or are readily removable from the area within the time available after forecasting and warning.
(C) Residential (including the placement of manufactured homes) and nonresidential structures shall not be constructed within the adopted regulatory floodway, with the exception of:

1. Accessory structures, such as garages or sheds not occupied as dwelling units or not part of the main structure.
2. Utility facilities necessary for public service, except commercial facilities for the purpose of generating power for public sale or use.

Placement of such accessory structures or utility facilities in the floodway shall be subject to the landuse permit requirements of Section 178.060.

178.050. DEVELOPMENT PERMIT PROCEDURES AND REQUIREMENTS.

A development permit shall be obtained from the Polk County Building Department before construction or structural development begins within any floodplain shown on the Polk County Flood Insurance Rate Map, excluding areas designated as floodways. The development permit shall be for all structures, including manufactured homes, accessory buildings, and bridges for private use.

The Building Official is responsible for review and approval of all development permits issued for structural development within floodplains identified on the Polk County Flood Insurance Rate Map. Approval of the development permit shall be based upon:

(A) Compliance with the standards for flood hazard reduction described in Section 178.070.

(B) Completion of a National Flood Insurance Program Elevation Certificate. The Elevation Certificate must be completed by a land surveyor, engineer, or architect for all structural development in areas within floodplains where the base flood elevation has been established (zones AE and AH). The Building Official will complete the Elevation Certificate for all structural development in all areas within floodplains where no base flood elevation has been established (zone A).

A National Flood Insurance Program Floodproofing Certificate shall be completed by a registered professional engineer or architect for all nonresidential development as described in Section 178.070 (C)(3).

(C) Review to determine that all necessary permits have been obtained from those federal, state or local governmental agencies from which prior approval is required.

178.060. LANDUSE PERMIT PROCEDURES AND REQUIREMENTS.

(A) A landuse permit shall be obtained from the Polk County Community Development Department prior to commencement of the following types of development:

1. Located within floodplains established in Section 178.020 are areas designated as floodways. Since the floodway is an extremely hazardous area due to the velocity of flood waters which carry debris, potential projectiles, and erosion potential, construction of residential structures (including the placement of manufactured homes) and nonresidential structures shall not be permitted within the adopted regulatory floodway subject to compliance with 178.060 (B)(3), with the exception of:

(a) Accessory structures, such as garages or sheds not occupied as dwelling units or not part of the main structure.

(b) Utility facilities necessary for public service, except commercial facilities for the purpose of generating power for public sale or use.

(c) The construction or substantial improvement of bridges, for public or private use.
(d) Addition or substantial improvement of an existing structure.

(2) Non-structural development within any floodplain identified on the Polk County Flood Insurance Rate Map requires a landuse permit. Non-structural development includes mining, dredging, filling, grading, paving, excavation or drilling operations or storage of equipment or materials.

(3) Alteration of a watercourse which is identified as having a floodplain as shown on the Polk County Flood Insurance Rate Map. (See Section 178.060 (B)(5)).

(B) The Planning Director is responsible for review and approval of all landuse permit applications submitted for development and uses described in this section. The Planning Director shall determine that such development and uses meet the following requirements:

(1) The necessary permits for the proposed development have been obtained from those federal, state or local governmental agencies from which prior approval is required.

(2) The proposed development will not adversely affect the flood carrying capacity of the floodplain. For purposes of this ordinance "adversely affect" means that the cumulative effects of the proposed development when combined with all other existing and anticipated development will not increase the water surface elevation of the base flood more than one (1) foot at any point.

(3) Development in the floodway requires compliance with the following provisions:

(a) Certification by a registered professional engineer or architect demonstrating that encroachments, including fill, new construction, substantial improvements, and other development unless certification by a registered professional civil engineer is provided demonstrating through hydrologic and hydraulic analyses performed in accordance with standard engineering practice that encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge.

(b) If the above section is satisfied, all new construction and substantial improvements as identified in Section 178.060 (A) shall comply with all applicable flood hazard reduction provisions of Section 178.070.

(4) Non-structural development within any floodplain identified on the Polk County Flood Insurance Rate Map. Non-structural development includes mining, dredging, filling, grading, paving, excavation or drilling operations or storage of equipment or materials. Approval of the landuse permit shall be based on the following provisions:

(a) Such development shall be consistent with the need to minimize flood damage;

(b) Such development shall have adequate drainage provided to reduce exposure to flood damage; and,

(c) The cumulative effect of any proposed development, when combined with all other existing and anticipated development, shall not increase the water surface elevation of the base flood more than one (1) foot at any point.

(d) If located in the floodway, non-structural development shall meet the requirements of 178.060 (B)(3).

(5) Alteration of a watercourse which is identified as a floodplain as shown on the Polk County Flood Insurance Rate Map requires a landuse permit. Prior to
approving a landuse permit for the alteration of a watercourse, the Planning Director shall:

(a) Notify adjacent communities, adjoining property owners, and the Department of Land Conservation and Development prior to any alternation or relocation of a watercourse, and submit evidence of such notification to the Federal Insurance Administration.

(b) Require that maintenance is provided within the altered or relocated portion of said watercourse so that the flood carrying capacity is not diminished.

(C) Notice upon an application for a landuse permit under Section 178.060 shall be provided as required by Chapter 111.

(D) Notice of the decision of the Planning Director shall be given as provided in Section 111.270.

(E) Decisions of the Planning Director on landuse applications under Section 178.060 shall be subject to the appeal provisions in Section 111.280 and the call of the Board of Commissioners as provided in Section 111.290.

178.070. PROVISIONS FOR FLOOD HAZARD REDUCTION.

(A) GENERAL STANDARDS.

In all floodplains the following standards are required:

(1) Anchoring. All new construction and substantial improvements shall be anchored to prevent floatation, collapse, or lateral movement of the structure.

(a) All manufactured homes must likewise be anchored to prevent floatation, 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).

(2) Construction materials and methods.

(a) All new construction and substantial improvements shall be constructed with materials and utility equipment resistant to flood damage.

(b) All new construction and substantial improvements shall be constructed using methods and practices that minimize flood damage.

(c) 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.

(3) Utilities.

(a) All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the systems.

(b) All 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 flood waters; and

(c) On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding. As used in this subsection the term "contamination" has the meaning given to it in the administrative rules for on-site waste disposal systems adopted by the
(4) Subdivision Proposals and other Proposed Development.
   (a) Shall be consistent with the need to minimize flood damage;
   (b) Shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize flood damage;
   (c) Shall have adequate drainage provided to reduce exposure to flood damage; and,
   (d) Where base flood elevation data has not been provided or is not available from another authoritative source, it shall be generated for other proposed development which contain at least 50 lots or 5 acres (whichever is less).

(5) Elevation Certificates. For all structural development within floodplains where no base flood elevation has been established (zone A), the Building Official shall complete a National Flood Insurance Program Elevation Certificate as part of the final inspection for all structures pursuant to Section 178.050 (B). The Building Official will verify the height differential between the lowest floor of each structure and the existing grade at the building site prior to the start of construction. Failure to elevate the lowest habitable floor at least two feet above grade in these zones may result in higher flood insurance rates.

(6) Crawlspace Construction. When crawlspaces are constructed in a flood hazard area, at-grade crawlspace are the preferred method of construction. Below-grade crawlspace are allowed, and not considered a basement, if all of the following standards are satisfied as found in Technical Bulletin 11-01, Crawlspace Construction for Buildings Located in Special Flood Hazard Areas:
   (a) The building must be designed and adequately anchored to resist flotation, collapse, and lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy. Hydrostatic loads and the effects of buoyancy can usually be addressed through the required openings stated in Section (b) below. Because of hydrodynamic loads, crawlspace construction is not allowed in areas with flood velocities greater than five (5) feet per second unless the design is reviewed by a qualified design professional, such as a registered architect or professional engineer. Other types of foundations are recommended for these areas.
   (b) The crawlspace is an enclosed area below the base flood elevation (BFE) and, as such, must have openings that equalize hydrostatic pressures by allowing the automatic entry and exit of floodwaters. The bottom of each flood vent opening can be no more than one (1) foot above the lowest adjacent exterior grade.
   (c) Portions of the building below the BFE must be constructed with materials resistant to flood damage. This includes not only the foundation walls of the crawlspace used to elevate the building, but also any joists, insulation, or other materials that extend below the BFE. The recommended construction practice is to elevate the bottom of joists and all insulation above BFE.
   (d) Any building utility systems within the crawlspace must be elevated above BFE or designed so that floodwaters cannot enter or accumulate within the system components during flood conditions. Ductwork, in
particular, must either be placed above the BFE or sealed from floodwaters.

(e) The interior grade of a crawlspace below the BFE must not be more than two (2) feet below the lowest adjacent exterior grade.

(f) The height of the below-grade crawlspace, measured from the interior grade of the crawlspace to the top of the crawlspace foundation wall must not exceed four (4) feet at any point. The height limitation is the maximum allowable unsupported wall height according to the engineering analyses and building code requirements for flood hazard areas.

(g) There must be an adequate drainage system that removes floodwaters from the interior area of the crawlspace. The enclosed area should be drained within a reasonable time after a flood event. The type of drainage system will vary because of the site gradient and other drainage characteristics, such as soil types. Possible options include natural drainage through porous, well-drained soils and drainage systems such as perforated pipes, drainage tiles or gravel or crushed stone drainage by gravity or mechanical means.

(h) The velocity of floodwaters at the site should not exceed five (5) feet per second for any crawlspace. For velocities in excess of five (5) feet per second, other foundation types should be used.

Note: Structures that have below-grade crawlspaces may have higher flood insurance premiums than structures that have the preferred crawlspace construction with the interior elevation at or above the lowest adjacent grade, even when the crawlspace meets the requirements of this section and FEMA Bulletin 11-01. If a below-grade crawlspace does not meet the requirements of this section and FEMA Bulletin 11-01, the structure may be rated as having a basement and would result in higher insurance premiums.

(B) DWELLINGS AND MANUFACTURED HOMES.

In all floodplains where base flood elevation data has been established (zones AE and AH) new construction and substantial improvement of any residential structure, location of a manufactured home on a lot or in a manufactured home park or park expansion approved after the date of this ordinance shall comply with the following requirements:

1. New construction and substantial improvement of any residential structure shall have the lowest floor, including basement, elevated one (1) foot above the base flood elevation.

2. Manufactured homes shall be anchored in accordance with subsection 178.070 (A)(1)(a).

3. Fully enclosed areas below the lowest floor that are subject to flooding are prohibited, or shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs 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.

(4) All manufactured homes to be placed or substantially improved within zones where the base flood elevation has been determined (AE and AH) shall be elevated on a permanent foundation such that the lowest floor of the manufactured home is one foot above the base flood elevation and be securely anchored to an adequately anchored foundation system in accordance with the provisions of 178.070 (A)(1)(a).

(5) Crawlspace Construction. At-grade crawlspaces are the preferred method of construction within flood hazard areas. However, below-grade crawlspaces are allowed subject to the standards found in Section 178.070 (A)(6).

(C) Nonresidential Construction.

New construction and substantial improvement of any commercial, industrial or other nonresidential structure shall either have the lowest floor, including basement elevated one foot above the base flood elevation in zones AH and AE; or, together with attendant utility and sanitary facilities, shall:

1. Be floodproofed so that below 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; and
3. A registered professional engineer or architect shall complete a National Flood Insurance Program Floodproofing Certificate showing 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. In zones AH and AE, this certificate shall include the specific elevation (in relation to mean sea level) to which structures are floodproofed. Such certifications shall be provided to the Building Official as set forth in Section 178.050 (B).

(4) Applicants floodproofing nonresidential buildings shall be notified that flood insurance premiums will be based on rates that are one foot below the floodproofed level (e.g. a building constructed to the base flood level will be rated as one foot below that level).

(5) Crawlspace Construction. At-grade crawlspaces are the preferred method of construction within flood hazard areas. However, below-grade crawlspaces are allowed subject to the standards found in Section 178.070 (A)(6).

(D) Accessory Structures. Detached accessory structures such as sheds, small garages, garden buildings, etc., may be allowed within floodplains subject to approval of a development permit (or a landuse permit if located in a floodway). The criteria in Section 178.050 or Section 178.060 shall be used in considering approval of the permit. In addition, all the following standards must be met. Accessory structures:

1. shall not be used for human habitation;
2. shall be designed to have low flood damage potential;
3. shall be constructed and placed on a building site so as to offer minimum resistance to the flow of floodwaters;
4. shall be less that 300 square feet or $3000 assessed value; and
5. shall meet the general standards for anchoring, construction materials and methods, and utilities as set forth in Section 178.070 (A).
(E) Recreational Vehicles. Recreational vehicles placed on sites within the floodplain must either:

(1) be on the site for fewer than 180 consecutive days,

(2) be fully licensed and ready for highway use, or meet the requirements for a manufactured home.

A recreational vehicle is ready for highway use if it is on its wheels or jacking system, is attached to the site only by quick disconnect type utilities and security devices and has no permanently attached additions.

178.080. VARIANCE PROCEDURE. A variance may be granted for non-residential construction in very limited circumstances to allow a lesser degree of floodproofing than the requirements of Sections 178.070 (C). The general standards required in Section 178.070 (A) may not be waived. Consideration of a variance shall be in accordance with variance standards described in the current edition of the adopted Oregon Structural Specialty Code. The Building Official may permit and authorize a variance after considering if all of the following criteria are met:

(A) CONDITIONS FOR VARIANCES.

(1) Variances shall not be issued within designated floodways;

(2) Variances shall only be issued for non-habitable structures;

(3) Variances shall only be issued upon determination that the variance is the minimum necessary, considering the flood hazard, to afford relief;

(4) There are unnecessary, unreasonable hardship or practical difficulties, other than economic, which can be relieved only by modifying the literal requirements of the ordinance;

(5) There are no other locations where the structure could be located on the property which are not in the floodplain; and

(6) Granting the variance will not result in increased flood heights, additional threats to public health or safety, extraordinary public expense, or create nuisances to the public.

(B) NOTIFICATION TO APPLICANT. The County shall notify the applicant in writing over the signature of the Building Official that issuance of a variance to construct a structure below the base flood elevation will result in increased flood insurance rates, and increased risks to life and property.

(C) RECORD-KEEPING. The County shall report all floodplain variances to FEMA, and maintain a record of all variance actions, including justification for granting a variance and the notification to applicant required in (B) above.

(D) HISTORIC LANDMARKS. A variance may be granted without regard for the requirements set forth in this section for the reconstruction, rehabilitation or restoration of structures listed on the National Register of Historic Places or State Inventory of Historic Places.

(E) LIMITING VARIANCES. The Building Official may impose such limitations, conditions and safeguards as are deemed appropriate so that the intent of this ordinance will be met, public safety and welfare secured, and substantial justice be done. If the variance is granted the applicant shall exercise the rights granted in accordance with the terms and subject to all the conditions and limitations of the approval by the Building Official. A violation of any such condition or limitation shall constitute a violation of this ordinance.
(F) VARIANCE RIGHT MUST BE EXERCISED TO BE EFFECTIVE. Variance granted under this ordinance shall be effective only when the exercise of the right granted thereunder shall be commenced within one year after the effective date of that variance, unless a longer period be specified or thereafter allowed by the Building Official. In case such right has not been exercised, or extension obtained, the variance shall be void. A written request for an extension of time filed with the director at least 30 days prior to the expiration of the application shall extend the running of the one year period until the Building Official has acted on said request.

178.090. WARNING AND DISCLAIMER. The degree of flood protection required by this Ordinance is considered reasonable for regulatory purposes and is based on scientific and engineering consideration. Larger floods can and will occur on rare occasions. Flood heights may be increased by manmade or natural causes. This Ordinance does not imply that lands outside floodplains or uses permitted within such areas will be free from flooding or flood damages. This Ordinance shall not create a liability on the part of Polk County, any officer, or employee thereof or the Federal Insurance Administration, for any flood damages that might result from reliance on this Ordinance or any administrative decision lawfully made thereunder.

178.100. MAP REVISIONS AND AMENDMENTS. FEMA has developed a map revision process under which the county or a private party may request that a map be revised through the issuance of a Letter of Map Revision (LOMR). A LOMR may be issued for revisions that decrease the size of the floodplain including floodways. LOMRs may also be issued to remove from floodplains individual structures or parcels elevated by the placement of fill or to remove from regulatory floodways structures or parcels inadvertently included in such floodways. LOMRs cannot be used to increase the size of floodplains including floodways.

All LOMR requests must be submitted to the Planning Director for forwarding to FEMA. The Planning Director shall review the request and shall indicate to FEMA whether the request is supported by Polk County. Additional supporting materials must be submitted by the party requesting the LOMR. Information regarding the types of additional data required is available from the Polk County Community Development Department. LOMR requests which would result in a change to floodplain boundaries, but not floodway boundaries, and LOMR requests which would remove from floodplains individual structures or parcels elevated by the placement of fill, shall constitute the initiation of a zone change proceeding as described in Section 178.020.

Individual property owners or lessees may also request from FEMA a determination as to whether one or more structures on one or more lots or parcels are located within floodplain boundaries. If necessary, FEMA will issue a Letter of Map Amendment (LOMA) for structure(s) and/or lot(s) or parcel(s) found to be outside of floodplains. This process is applicable only to requests for determinations based on topographic conditions that existed on the effective date of the Polk County FIRM that shows the structure or parcel of land to be within a floodplain. All other requests for determinations shall be submitted as LOMRs. More information regarding floodplain determinations is available from the Polk County Community Development Department.