

- F. The Notice of Disapproval, together with the reasons for such disapproval, shall be signed by the Chairperson and shall contain written reasons for disapproval.
- G. If a Notice of Disapproval is received, the applicant may and will be encouraged to make modifications to the proposed plan and resubmit for review by the Commission
- H. All decisions of the Commission shall be made available for public inspection within seventy two (72) hours and placed on file with the Town Clerk.

4.6.2.11 Appeals

Any person or persons jointly or severely aggrieved by a decision of the Commission shall have the right to appeal that decision to the Zoning Board of Adjustment under [RSA 677:17](#) in accordance with the provisions of [RSA 676:5](#) and [RSA 677:1-14](#).

4.6.2.12 Enforcement/Penalties

Violation of this Ordinance shall be subject to the remedies provided in [RSA 676:15](#) and [676:17](#).

4.6.3 Floodplain Overlay District

4.6.3.1 Purpose

Certain areas of the Town of Londonderry are subject to periodic flooding, causing serious damages to properties within these areas. Relief is available in the form of flood insurance as authorized by the National Flood Insurance Act of 1968. Therefore, the Town of Londonderry has chosen to be a participating community in the National Flood Insurance Program, and agrees to comply with the requirements of the National Flood Insurance Act of 1968 (P.L. 90-488, as amended) as detailed in this Floodplain Ordinance.

4.6.3.2 Establishment

This Ordinance, adopted pursuant to the authority of [RSA 674:16](#), shall be known as the Town of Londonderry Floodplain Development Ordinance. The regulations in this Ordinance shall overlay and supplement the regulations in the Town of Londonderry Zoning Ordinance, and shall be considered part of the Zoning Ordinance for the purposes of administration and appeals under state law. If any provision of this Ordinance differs or appears to conflict with any provision of Zoning Ordinance or other Ordinance or regulation, the provision imposing the greater restriction or more stringent standard shall be more controlling.

The following regulations in this ordinance shall apply to all lands designated as special flood hazard areas by Federal Emergency Management Agency (FEMA) in its "Flood Insurance Study for Rockingham County, New Hampshire" dated May 17, 2005 or as amended, together with the associated Flood Insurance Map panels numbered: 33015C0309, 33015C0315, 33015C0316, 33015C0317, 33015C0318, 33015C0319, 33015C0328, 33015C0336, 33015C0337, 33015C0338, 33015C0339, 33015C0506, 33015C0507, 33015C0508, 33015C0509, 33015C0526, 33015C0527, 33015C0528, 33015C0529 and 33015C0536 dated May 17, 2005 or as amended, which are declared to be a part of this Ordinance and are hereby incorporated by reference.

4.6.3.3 Definition of Terms:

The following definitions shall apply only to this Flood Plain Development Ordinance, and shall not be affected by, the provisions of any other ordinance of the Town of Londonderry.

“Area of Shallow Flooding” means a designated AO or AH zone on the Flood Insurance Rate Map (FIRM) with a one percent or greater annual possibility of flooding to an average depth of one to three feet where a clearly defined channel does not exist where the path of flooding is unpredictable and where velocity flow may be evident. Such flooding is characterized by ponding or sheet flow.

“Area of Special Flood Hazard” is the land in the flood plain within the Town of Londonderry subject to a one percent or greater possibility of flooding in any given year. The area is designated as zone A and AE on the Town of Londonderry’s Flood Insurance Rate Map the FIRM and is designated FIRM as zones: A, AO, AH, A1-30, AE and A99.

“Base Flood” means the flood having a one-percent possibility of being equaled or exceeded in any given year.

“Base Flood Elevation” means the elevation of surface water resulting from the “base flood”

“Basement” means any area of a building having its floor subgrade on all sides.

“Building” see Structure

~~**“Breakaway wall”** means a wall that is not part of the structural support of the building and is intended through its design and construction to collapse under specific lateral loading forces without causing damage to the elevated portion of the building or supporting foundation.~~

“Development” means any man made change to the improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operation.

“FEMA” means the Federal Emergency Management Agency.

“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.
2. The unusual and rapid accumulation or runoff of surface waters from any source.

“Flood Boundary and Floodway Map” (Floodway Map) is an official Map of the Town of Londonderry, on which FEMA has delineated the “Regulatory Floodway”. This Map shall not be used to determine the correct flood hazard zone or base flood elevation, the Flood Insurance Rate Map (FIRM) will be used to make determinations of flood hazard zones and base flood elevations.

“Flood Elevation Study” means an examination, elevation, and determination of flood hazards and if appropriate, corresponding water surface elevations, or an examination and determination of mudslide or flood related erosion hazard.

“Flood Insurance Rate Map” (FIRM) means an official Map incorporated with this ordinance, on which FEMA has delineated both the special flood hazard areas and the risk of premium zones applicable to the Town of Londonderry.

“Flood Insurance Study” - see “Flood elevation study”

“Flood Opening” means an opening in a foundation or enclosure wall that allows automatic entry and exit of floodwaters. See FEMA “Technical Bulletin 1, Openings of Foundation Walls and Walls of Enclosures.”

“Flood Plain” or “Flood-prone area” means any land area susceptible to being inundated by water from any source (see definition of Flooding”).

“Flood proofing” means any combination of structural and nonstructural additions, changes or adjustments to structures which reduce or eliminate flood damage to real estate or improved real property, water and sanitation facilities, structures and their contents.

“Floodway” - see “Regulatory Floodway”.

~~“Functionally dependent use” means 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 and port facilities that are necessary for the loading and unloading of cargo or passengers, and ship building/repair facilities, but does not include long term storage or related manufacturing facilities.~~

“Highest adjacent grade” means the highest natural elevation of the ground surface prior to construction next to the proposed walls of a structure.

“Historic Structure” means any structure that is:

- A. Listed individually in the National Registrar of Historic Places (a listing maintained by Department of the Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register;
- B. Certified or preliminary 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;
- C. Individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the Secretary of the Interior; or
- D. Individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either
 1. By an approved state program as determined by the Secretary of the Interior, or
 2. Directly by the Secretary of the Interior in states without approved programs.

“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 an enclosure is not built so as to render the structure in violation of the applicable non-elevation design requirements of this ordinance.

“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” includes park trailers, travel trailers, and other similar vehicles placed on site for greater than 180 days. This included manufactured homes located in a manufactured home park or subdivision.

“Manufactured Home Park of Subdivision” means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

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“Mean sea level” means the National Geodetic Vertical Datum (NGVD) of 1929 or other datum, to which base flood elevations shown on a community’s Flood Insurance Rate Map are referenced.

~~“100-year flood”~~ see “base flood”

“Recreational vehicle” means a vehicle which is (i) built on a single chassis, (ii) 400 square feet or less when measured at the largest horizontal projection (iii) designed to be self-propelled or permanently towable by a light duty truck, and (iv) designed primarily not for use as a permanent dwelling, but as temporary living quarters for recreational, camping, travel or seasonal use.

“Regulatory 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 increasing the water surface elevation. These areas are designated as floodways on the Flood Boundary and Floodway Map.

“Special Flood Hazard Area” ~~means an area having flood, mudslide, and/or flood-related erosion hazards, and shown on an FHBM or FIRM as zone A, AO, A1-30, AE, A99, or AH. (See - “Area of Special Flood Hazard”)~~

“Start of Construction” includes substantial improvements, 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 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 foundations 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 part of the main structure.

“Structure” means for floodplain management purposes, a walled and roofed building, including a gas or liquid storage tank, that is principally above ground, as well as a manufactured home.

“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.

“Substantial Improvement” ~~means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 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. The term does not, however, include either:~~

- ~~a. Any project for improvement of a structure to correct existing violations of 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~~
- ~~b. Any alteration of a “historic structure,” provided that the alteration will not preclude the structure’s continued designation as a “historic structure.”~~

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~~means any combination of repairs, reconstruction, alteration, or improvements to a structure in which the cumulative cost equals or exceeds fifty percent of the market value of the structure. The market value of the structure shall equal: (1) the appraised value prior to the start of the initial repair or improvement, or (2) in the case of damage, the value of the structure prior to the damage occurring. For the purposes of this definition, "substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floor, or other real part of the building commences, whether or not that alteration affects the external dimensions of the structure. This term includes structures which have incurred substantial damage, regardless of actual repair work performed. The term does not, however, include any project for improvement of a structure required to comply with existing health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions or any alteration of a "historic structure", provided that the alteration will not preclude the structure's continued designation as a "historic structure"~~

"Violation" means the failure of a structure or other development to be fully compliant with the community's floodplain management regulations.

"Water Surface Elevation" means the height, in relation to the National Geodetic Vertical Datum (NGVD) of 1929, **North American Vertical Datum (NAVD)** of (or other datum, where specified) of floods of various magnitudes and frequencies in the floodplains

4.6.3.4 Permits

All proposed development in any special flood hazard areas shall require a permit. Development in these areas and below the base flood level may result in increased premium rates for flood insurance, and such development may increase risks to life and property.

4.6.3.5 Construction Requirements

The Building Inspector shall review all building permit applications for new construction or substantial improvements to determine whether proposed building sites will be reasonably safe from flooding. If a proposed building site is located in a special flood hazard area, all new construction or substantial improvements shall:

- A. Be designed (or modified) and adequately anchored to prevent floatation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy,
- B. Be constructed with materials resistant to flood damage,
- C. Be constructed by methods and practices that minimize flood damages,
- D. Be constructed with electrical, heating, ventilation, plumbing, and air conditioning equipment, and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding.

4.6.3.6 Water and Sewer Systems

Where new or replacement water and sewer systems (including on site systems) are proposed in a special flood hazard area the applicant shall provide the Building Inspector with assurance that these systems will be designed to minimize or eliminate infiltration of flood waters into the systems and discharges from the systems into flood waters, and on-site waste disposal systems will be located to avoid impairment to them or contamination from them during periods of flooding.

4.6.3.7 Certification

For all new or substantially improved structures located in Zones A ~~and AE, A1-30, AE, AO or AH~~, the applicant shall furnish the following information to the Building Inspector:

- A. The as-built elevation (in relation to ~~NGVD~~the mean sea level) of the lowest floor (including basement) and include whether or not such structures contain a basement
- B. If the structure has been flood proofed, the as-built elevation (in relation to ~~NGVD~~the mean sea level) to which the structure was floodproofed.
- C. Any certification of floodproofing.

The Building Inspector shall maintain a record of all structures for public inspection, and shall furnish such information upon request.

4.6.3.8 Other Required Permits

The Building Inspector shall not grant a building permit until the applicant certifies that all necessary permits have been received from those governmental agencies from which approval is required by federal or state law, including Section 404 of the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C.1334.

4.6.3.9 Watercourses

- A. In riverine situations, prior to the alteration or relocation of a watercourse the applicant for such authorization shall notify the Wetlands ~~Board~~Bureau of the New Hampshire Environmental Services Department and submit copies of such notification to the Building Inspector, in addition to the copies required by the RSA 482-A:3 Further, the applicant shall be required to submit copies of said notification to those adjacent communities as determined by the Building Inspector, including notice of all scheduled hearings before the Wetlands ~~Board~~Bureau.
- B. The applicant shall submit to the Building Inspector, certification provided by a registered professional engineer, assuring that the flood carrying capacity of an altered or relocated watercourse can and will be maintained.
- C. Along watercourses with a designated Regulatory Floodway, no encroachments, including fill, new construction, substantial improvements, and other development are allowed within the floodway unless it has been demonstrated through hydrologic and hydraulic analyses performed in accordance with standard engineering practices that the proposed encroachment would not result in an increase in flood levels within the community during the base flood discharge.
- D. Along watercourses that have not had a Regulatory Floodway designated, no new construction, substantial improvements, or other development (including fill) shall be permitted within zones A1-30 and AE on the FIRM, unless it is demonstrated by the applicant that the cumulative effect of the proposed development, when combined with all existing and anticipated development, will not increase the water surface elevation of the base flood more than one foot at any point within the community.
- E. In Zone A, the Building Inspector shall obtain, review, and reasonably utilize any floodway data available from federal, state, or other sources as criteria for requiring that development meet the floodway requirements of this section.

"No encroachments, including fill, new construction, substantial improvements, and other development are allowed within the floodway that would result in any increase in flood levels within the community during the base flood discharge."

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4.6.3.10 Special Flood Hazard Areas

- A. In special flood hazard areas the Building Inspector shall determine the base flood elevation in the following order of precedence according to the data available:
1. In zones ~~A1-30, AH and~~ AE, refer to the elevation data provided in the community's Flood Insurance Study and accompanying FIRM or FHBM.
 2. In ~~unnumbered A zones~~ **Zone A**, the Building Inspector shall obtain, review, and reasonably utilize any ~~100-year base flood~~ floor elevation data available from federal, state, or other source including data submitted to the community (i.e.: subdivision, site approvals). **Where a base flood elevation is not available or not known for zone A, the base flood elevation shall be determined to be at least 2 feet above the highest adjacent grade.**
 - ~~3. In zone AO the flood elevation is determined by adding the elevation of the highest adjacent grade to the depth number specified on the FIRM or if no depth number is specified on the FIRM at least 2 feet.~~
- B. The Building Inspector's base flood elevation determination will be used as criteria for requiring in zones A ~~and AE, A1-30, AE, AH, AO,~~ that:
1. All new construction or substantial improvement of residential structures have the lowest floor (including basement) elevated to or above the base flood elevation;
 2. That all new construction or substantial improvements of non-residential structures have the lowest floor (including basement) elevated to or above the base flood level; or together with attendant utility and sanitary facilities, shall:
 - a. Be flood proofed so that below the base flood elevation the structure is watertight with walls substantially impermeable to the passage of water;
 - b. Have structural components capable of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy; and
 - c. 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 the provisions of this section;
 3. All manufactured homes to be placed or substantially improved within special flood hazard areas shall be elevated on a permanent foundation such that the lowest floor of the manufactured home is at or above the base flood level; and be securely anchored to resist floatation, collapse, or lateral movement. Methods of anchoring may include, but are not limited to, use of over the top or frame ties to ground anchors. This requirement is in addition to applicable state and local anchoring requirements for resisting wind forces;
 4. Recreational vehicles placed on site within zones ~~A1-30, AH, and A~~ and AE shall either
 - a. be on the site for fewer than one hundred and eighty (180) consecutive days,
 - b. be fully licensed **on wheels or jacking system, attached to the site only by quick disconnect type utilities and security devices, and have no permanently attached additions, and ready for highway use,** or



- c. meet all standards of ~~Section 60.3 (b) (1) this ordinance of the National Flood Insurance Program Regulations~~ and the elevation and anchoring requirements for “manufactured homes” in ~~paragraph C (6) of Section 60.3 this ordinance.~~
- 5. For all new construction and substantial improvements, fully enclosed areas below the lowest floor that are subject to flooding are permitted provided they meet the following requirements:
 - a. the enclosed area is unfinished or flood resistant, usable solely for the parking of vehicles, building access or storage;
 - b. the area is not basement;
 - c. shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwater. 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 minimum of two **flood** 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. The bottom of all **flood** openings shall be no higher than one foot above grade. **Flood** openings may be equipped with screens, louvers, or other coverings or devices provided that they permit the automatic entry and exit of floodwater.
- ~~6. Proposed structures to be located on slopes in special flood hazard areas, zones AH and AO shall include adequate drainage paths to guide flood waters around and away from the proposed structures.~~

4.6.3.11 Variances and Appeals

- A. Any order, requirement, decision or determination of the Building Inspector made under this ordinance may be appealed to the Zoning Board of Adjustment as set forth in RSA 676:5.
- B. If the applicant, upon appeal, requests a variance as authorized by RSA 674:33, I(b), in determining whether or not any variance will be contrary to the spirit of this Ordinance, the Board of Adjustment shall consider the following:
 - 1. That the variance will not result in increased flood heights, additional threats to public safety, or extraordinary public expense
 - 2. That if the requested variance is for activity within a designated regulatory floodway, no increase in flood levels during the base flood discharge will result.
 - ~~3. That the variance is the minimum necessary, considering the flood hazard, to afford relief.~~
- ~~C. The Zoning Board of Adjustment shall notify the applicant in writing that:

 - 1. The issuance of a variance to construct below the base flood elevation will result in increased premium rates for flood insurance; and
 - 2. Such construction below the base flood elevation increases risks to life and property.
 Such notification shall be maintained with a record of all variance actions.~~
- ~~3.~~
- ~~C.D.~~ The community shall maintain a record of all variance actions, including their justification for their issuance, and report such variances issued in its annual or biennial report submitted to FEMA's Federal Insurance Administrator.

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