| 1                                    | Exeter | eter Floodplain Development Ordinance Amendments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
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| 2<br>3<br>4<br>5                     |        | Existing Language<br>Language to be removed<br>Language to be added                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |
| 6<br>7                               | 9.4    | FLOODPLAIN DEVELOPMENT ORDINANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
| 8<br>9<br>10<br>11<br>12<br>13<br>14 |        | <b>9.4.1</b> This ordinance, adopted pursuant to the authority of NH RSA §674:16, shall be known as the Town of Exeter Floodplain Development Ordinance. The regulations in this ordinance shall overlay and supplement the regulations in the Town of Exeter Zoning Ordinance, and shall be considered part of the Zoning Ordinance for purposes of administration and appeals under state law. If any provision of the Zoning Ordinance or regulation, the provision imposing the greater restriction or more stringent standard shall be controlling. |  |  |  |
| 15<br>16<br>17                       |        | <b>9.4.2.</b> The purpose of this ordinance is to promote the public health, safety, and general welfare; minimize hazards to persons and property from flooding; to protect watercourses from encroachment; and to maintain the capability of floodplains to retain and carry off floodwaters.                                                                                                                                                                                                                                                          |  |  |  |
| 18<br>19<br>20<br>21<br>22<br>23     |        | <b>9.4.2</b> The following regulations in this ordinance shall apply to all lands designated as special flood hazard areas by the Federal Emergency Management Agency (FEMA) in its "Flood Insurance Study for the county of Rockingham, NH" dated May 17, 2005 and January 29, 2021, together with the associated Flood Insurance Rate Maps, dated May 17, 2005 and January 29, 2021 and associated amendments and revisions, which are declared to be a part of this ordinance and are hereby incorporated by reference.                               |  |  |  |
| 24<br>25<br>26                       |        | <b>9.4.3</b> Definition of Terms: The following definitions shall apply only to this Floodplain Development Ordinance, and shall not be affected by, the provisions of any other ordinance of the Town of Exeter.                                                                                                                                                                                                                                                                                                                                        |  |  |  |
| 27<br>28<br>29<br>30<br>31           |        | <ul><li>A. Area of Special Flood Hazard: Land in the floodplain within the Town of Exeter subject to a one-percent or greater possibility of flooding in any given year. The area is designated on the FIRM as zone A and AE.</li><li>B. Base Flood: The flood having a one-percent possibility of being equaled or exceeded in any given year.</li></ul>                                                                                                                                                                                                |  |  |  |
| 32<br>33<br>34<br>35                 |        | <ul> <li>C. Base Flood Elevation: The water surface elevation having a one percent possibility of being equaled or exceeded in any given year.</li> <li>D. Basement: Any area of a building having its floor sub-grade on all sides.</li> <li>E. Building: see "Structure"</li> </ul>                                                                                                                                                                                                                                                                    |  |  |  |
| 36<br>37<br>38<br>39<br>40           |        | <ul> <li>F. Development: Any man-made change to improve or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation, drilling operation, or storage of equipment or materials.</li> <li>G. FEMA: Federal Emergency Management Agency</li> </ul>                                                                                                                                                                                                                        |  |  |  |
| 40<br>41<br>42<br>43                 |        | <ul> <li>H. Flood or Flooding: A general and temporary condition of partial or complete inundation of normally dry land areas from:</li> <li>1. The overflow of inland or tidal waters.</li> </ul>                                                                                                                                                                                                                                                                                                                                                       |  |  |  |

| 44<br>45 | 2. The unusual and rapid accumulation or runoff of surface waters from any source.                                              |
|----------|---------------------------------------------------------------------------------------------------------------------------------|
| 46       | I. Flood Insurance Rate Map: (FIRM) An official map incorporated with this                                                      |
| 47       | ordinance, on which FEMA has delineated both the special flood hazard areas                                                     |
| 48       | and the risk premium zones applicable to the Town of Exeter.                                                                    |
| 49       | J. Flood Insurance Study: An examination, evaluation, and determination of flood                                                |
| 50       | hazards and if appropriate, corresponding water surface elevation, or an                                                        |
| 51       | examination and determination of mud slide or flood-related erosion hazards.                                                    |
| 52       | K. Floodplain or Flood-prone area: Any land area susceptible to being inundated by                                              |
| 53       | water from any source (See definition of "Flooding").                                                                           |
| 54       | L. Flood Proofing: Any combination of structural and non-structural additions,                                                  |
| 55       | changes, or adjustments to structures which reduce or eliminate flood damage to                                                 |
| 56       | real estate or improved real property, water and sanitation facilities, structures                                              |
| 57       | and their contents.                                                                                                             |
| 58       | M. Floodway: see "Regulatory Floodway"                                                                                          |
| 59       | N. Flood Opening: Flood Opening means an opening in a foundation or enclosure                                                   |
| 60       | wall that allows automatic entry and exit of floodwaters. See FEMA "Technical                                                   |
| 61       | Bulletin 1, Openings in Foundation Walls and Walls of Enclosures."                                                              |
| 62       | O. Functionally Dependent Use: A use which cannot perform its intended purpose                                                  |
| 63       | unless it is located or carried out in close proximity to water. The term includes                                              |
| 64       | only docking and port facilities that are necessary for the loading/unloading of                                                |
| 65       | cargo or passengers, and ship building/repair facilities but does not include long-                                             |
| 66       | term storage or related manufacturing facilities.                                                                               |
| 67       | P. Highest Adjacent Grade: The highest natural elevation of the ground surface                                                  |
| 68       | prior to construction next to the proposed walls of a structure.                                                                |
| 69       | Q. Historic Structure: Any structure that is:                                                                                   |
| 70       | 1. Listed individually in the National Register of Historic Places (a listing                                                   |
| 71       | maintained by the Department of the Interior) or preliminarily                                                                  |
| 72       | determined by the Secretary of the Interior as meeting the requirements                                                         |
| 73       | for individual listing on the National Register;                                                                                |
| 74       | 2. Certified or preliminarily determined by the Secretary of the Interior as                                                    |
| 75       | contributing to the historical significance of a registered historic district                                                   |
| 76       | or a district preliminarily determined by the Secretary to qualify as a                                                         |
| 77       | registered historic district;                                                                                                   |
| 78       | 3. Individually listed on a state inventory of historic places in states with historic programs which have been approved by the |
| 79<br>80 | historic preservation programs which have been approved by the<br>Secretary of the Interior; or                                 |
| 81       | <ol> <li>Individually listed on a local inventory of historic places in communities</li> </ol>                                  |
| 82       | with historic preservation programs that have been certified either:                                                            |
| 83       | a. By an approved state program as determined by the Secretary                                                                  |
| 84       | of the Interior, or                                                                                                             |
| 85       | b. Directly by the Secretary of the Interior in states without                                                                  |
| 86       | approved programs.                                                                                                              |
| 87       | R. Lowest Floor: The lowest floor of the lowest enclosed area (including                                                        |
| 88       | basement). An unfinished or flood resistant enclosure, usable solely for parking                                                |
| 89       | of vehicles, building access or storage in an area other than a basement area is not                                            |
| 90       | considered a building's lowest floor; provided, that such an enclosure is not built                                             |
|          | constant a contains s to rest from, provided, that such an enclosure is not built                                               |

| 91         |          | so as to render the structure in violation of the applicable non-elevation design                                                               |
|------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 92         |          | requirements of this ordinance.                                                                                                                 |
| 93         | S.       | Manufactured Home: A structure, transportable in one or more sections, which is                                                                 |
| 94         |          | built on a permanent chassis and is designed for use with or without a permanent                                                                |
| 95         |          | foundation when connected to the required utilities. For floodplain management                                                                  |
| 96         |          | purposes the term "manufactured home" includes park trailers, travel trailers, and                                                              |
| 97         |          | other similar vehicles placed on site for greater than 180 days. This includes                                                                  |
| 98         |          | manufactured homes located in a manufactured home park or subdivision.                                                                          |
| 99         | Τ.       | Manufactured Home Park or Subdivision: A parcel (or contiguous parcels) of                                                                      |
| 100        |          | land divided into two or more manufactured home lots for rent or sale.                                                                          |
| 101        | U.       | Mean Sea Level: The National Geodetic Vertical Datum (NGVD) of 1929,                                                                            |
| 102        |          | North American Vertical Datum (NAVD) of 1988, or other datum, to which base                                                                     |
| 103        |          | flood elevations shown on a community Flood Insurance Rate Map are                                                                              |
| 104        |          | referenced.                                                                                                                                     |
| 105        | V.       | New Construction: For the purposes of determining insurance rates, structures for                                                               |
| 106        |          | which the "start of construction" commenced on or after the effective date of an                                                                |
| 107        |          | initial FIRM or after December 31, 1974, whichever is later, and includes any                                                                   |
| 108        |          | subsequent improvements to such structures. For floodplain management                                                                           |
| 109        |          | purposes, new construction means structures for which the start of construction                                                                 |
| 110        |          | commenced on or after the effective date of a flood plain management regulation                                                                 |
| 111        |          | adopted by a community and includes any subsequent improvements to such                                                                         |
| 112        |          | structures.                                                                                                                                     |
| 113        | W.       | Recreational Vehicle: A vehicle which is:                                                                                                       |
| 114        |          | 1. Built on single chassis;                                                                                                                     |
| 115        |          | 2. 400 square feet or less when measured at the largest horizontal                                                                              |
| 116        |          | projection;                                                                                                                                     |
| 117        |          | 3. Designed to be self-propelled or permanently towable by a light duty                                                                         |
| 118        |          | truck; and                                                                                                                                      |
| 119        |          | 4. Designed primarily not for use as a permanent dwelling but as temporary                                                                      |
| 120        | v        | living quarters for recreational, camping, travel or seasonal use.                                                                              |
| 121        | Х.       | Regulatory Floodway: The channel of a river or other watercourse and the                                                                        |
| 122        |          | adjacent land areas that must be reserved in order to discharge the base flood                                                                  |
| 123<br>124 | v        | without increasing the water surface elevation more than a designated height.<br>Special Flood Hazard Area: See "Area of Special Flood Hazard". |
| 124        | 1.<br>Z. |                                                                                                                                                 |
| 125        | L.       | building permit was issued, provided the actual start of construction, repair,                                                                  |
| 127        |          | reconstruction, placement, or other improvement was within 180 days of the                                                                      |
| 128        |          | permit date. The actual start means either the first placement of permanent                                                                     |
| 129        |          | construction of a structure on site, such as the pouring of slab or footings, the                                                               |
| 130        |          | installation of piles, the construction of columns, or any work beyond the stage of                                                             |
| 131        |          | excavation; or the placement of manufactured home on a foundation. Permanent                                                                    |
| 132        |          | construction does not include land preparation such as clearing, grading and                                                                    |
| 133        |          | filling; nor does it include the installation of streets and/or walkways; nor does it                                                           |
| 134        |          | include excavation for a basement, footing, piers, or foundations or the erection                                                               |
| 135        |          | of temporary forms; nor does it include the installation on the property of                                                                     |
| 136        |          | accessory buildings, such as garages or sheds not occupied as dwelling units or                                                                 |
| 137        |          | part of the main structure.                                                                                                                     |
| -          |          | 1                                                                                                                                               |

| 138 | AA. Structure: For floodplain management purposes, a walled and roofed                |  |  |  |  |
|-----|---------------------------------------------------------------------------------------|--|--|--|--|
| 139 | building, including a gas or liquid storage tanks, that is principally above ground,  |  |  |  |  |
| 140 | as well as a manufactured home.                                                       |  |  |  |  |
| 141 | BB.Substantial Damage: Damage of any origin sustained by a structure whereby the      |  |  |  |  |
| 142 | cost of restoring the structure to its before damage condition would equal or         |  |  |  |  |
| 143 | exceed fifty percent (50%) of the market value of the structure before the damage     |  |  |  |  |
| 144 | occurred.                                                                             |  |  |  |  |
| 145 | CC.Substantial Improvement: The combination of repairs, reconstruction, alteration,   |  |  |  |  |
| 146 | or improvements to a structure in which the cumulative cost equals or exceeds         |  |  |  |  |
| 147 | fifty percent (50%) of the market value of the structure. The market value of the     |  |  |  |  |
| 148 | structure should equal:                                                               |  |  |  |  |
| 149 | 1. The appraised value prior to the start of the initial repair or improvement,       |  |  |  |  |
| 150 | <del>OF</del>                                                                         |  |  |  |  |
| 151 | 2. In the case of damage, the value of the structure prior to the damage              |  |  |  |  |
| 152 | occurring.                                                                            |  |  |  |  |
| 153 | For the purposes of this definition, "substantial improvement" is considered to       |  |  |  |  |
| 154 | occur when the first alteration of any wall, ceiling, floor, or other structural part |  |  |  |  |
| 155 | of the building commences, whether or not that alteration affects the external        |  |  |  |  |
| 156 | dimensions of the structure. This term includes structures which have incurred        |  |  |  |  |
| 157 | substantial damage, regardless of actual repair work performed. The term does         |  |  |  |  |
| 158 | not, however, include any project for improvement of a structure required to          |  |  |  |  |
| 159 | comply with existing health, sanitary, or safety code specifications which are        |  |  |  |  |
| 160 | solely necessary to assure safe living conditions or any alteration of a "historic    |  |  |  |  |
| 161 | structure", provided that the alteration will not preclude the structure's continued  |  |  |  |  |
| 162 | designation as a "historic structure".                                                |  |  |  |  |
| 163 | CC. Substantial Improvement means any reconstruction, rehabilitation, addition,       |  |  |  |  |
| 164 | or other improvement of a structure, the cost of which equals or exceeds 50           |  |  |  |  |
| 165 | percent of the market value of the structure before the "start of construction" of    |  |  |  |  |
| 166 | the improvement. This term includes structures which have incurred "substantial       |  |  |  |  |
| 167 | damage," regardless of the actual repair work performed. The term does not,           |  |  |  |  |
| 168 | however, include either:                                                              |  |  |  |  |
| 169 | a. Any project for improvement of a structure to correct existing                     |  |  |  |  |
| 170 | violations of state or local health, sanitary, or safety code specifications          |  |  |  |  |
| 171 | which have been identified by the local code enforcement official and                 |  |  |  |  |
| 172 | which are the minimum necessary to assure safe living conditions; or                  |  |  |  |  |
| 173 | b. Any alteration of a "historic structure," provided that the alteration             |  |  |  |  |
| 174 | will not preclude the structure's continued designation as a "historic                |  |  |  |  |
| 175 | structure."                                                                           |  |  |  |  |
| 176 | DD. Violation: The failure of a structure or other development to by fully            |  |  |  |  |
| 177 | compliant with the community's flood plain management regulations. A structure        |  |  |  |  |
| 178 | or other development without the elevation certificate, other certifications, or      |  |  |  |  |
| 179 | other evidence of compliance required under this ordinance is presumed to be in       |  |  |  |  |
| 180 | violation until such time as that documentation is provided.                          |  |  |  |  |
| 181 | EE. Water Surface Elevation: The height, in relation to the National Geodetic         |  |  |  |  |
| 182 | Vertical Datum (NGVD) of 1929, North American Vertical Datum of 1988, (or             |  |  |  |  |
| 183 | other datum, where specified) of floods of various magnitudes and frequencies in      |  |  |  |  |
| 184 | the floodplains.                                                                      |  |  |  |  |

| 185<br>186                                                                                                                                      | FF. Sea Level Rise Risk Areas: Areas within the town of Exeter projected to be impacted by 4 feet of sea level rise plus a 1% annual chance flood event.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
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| 187<br>188<br>189<br>190                                                                                                                        | <b>9.4.4 Permits:</b> 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| 191<br>192<br>193<br>194<br>195<br>196<br>197<br>198<br>199<br>200<br>201<br>202<br>203<br>204<br>205<br>206<br>207<br>208<br>209<br>210<br>211 | <ul> <li>A. Building Permit Requirement: All proposed development in any special flood hazard areas shall require a building permit. The applicant shall provide the proposed elevation (in relation to mean sea level) of the lowest floor (including basement) and include whether or not such structures contain a basement. If the plans include flood-proofing, the elevation (in relation to mean sea level) to which the structure will be flood-proofed. If the development involves proposed work on an existing structure, the applicant shall also provide a description of the total costs of the proposed work including all materials and labor.</li> <li>B. Building Permit Review: The Building Inspector shall review all building permit applications for new construction or substantial improvements to determine whether the 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: <ol> <li>Be designed (or modified) and adequately anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy;</li> <li>Be constructed with materials resistant to flood damage;</li> <li>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</li> </ol></li></ul> |  |  |
| 212                                                                                                                                             | within the components during conditions of flooding.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| 213<br>214<br>215<br>216<br>217<br>218                                                                                                          | <b>9.4.5</b> New or Replacement 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| 219<br>220<br>221                                                                                                                               | <b>9.4.6</b> New or Substantially Improved Structure Requirements: For all new or substantially improved structures located in Zones A and AE, the applicant shall furnish the following information to the Building Inspector, prior to issuance of a certificate of occupancy:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| 222<br>223<br>224<br>225<br>226<br>227                                                                                                          | <ul> <li>A. The as built elevation (in relation to mean sea level) of the lowest floor<br/>(including basement) and include whether or not such structures contain a<br/>basement.</li> <li>B. If the structure has been flood proofed, the as built elevation (in relation to mean<br/>sea level) to which the structure was flood proofed.</li> <li>C. Any certification of flood proofing.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |

| 228<br>229<br>230                                                                                            |       | A. completed and certified copy of an Elevation Certificate that includes the as-built elevation (in relation to mean sea level) of the lowest floor of the structure and whether or not the structure has a basement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| 231<br>232<br>233<br>234<br>235                                                                              |       | B. If a non-residential structure includes dry floodproofing, a completed and certified copy of the Floodproofing Certificate for Non-Residential Structures that includes the as-built elevation (in relation to mean sea level) to which the structure was dry floodproofed and certification of floodproofing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 236<br>237                                                                                                   |       | The Building Inspector shall maintain for public inspection and shall furnish such information upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 238                                                                                                          | 9.4.7 | Development Along Watercourses:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 239<br>240<br>241<br>242<br>243<br>244<br>245<br>246<br>247<br>248<br>249<br>250<br>251<br>252<br>253<br>254 |       | <ul> <li>A. In riverine situations, prior to the alteration or relocation of a watercourse the applicant for such authorization shall notify the Wetlands Bureau of the New Hampshire Department of Environmental Services and submit copies of such notification to the Building Inspector, in addition to the copies required by NH 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 Bureau.</li> <li>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.</li> <li>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 any increase in flood levels within the community during the base flood</li> </ul> |
| 255<br>256<br>257<br>258<br>259<br>260<br>261<br>262<br>263<br>264                                           |       | <ul> <li>discharge.</li> <li>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 zone 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.</li> <li>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</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 265                                                                                                          |       | requiring that development meet the following floodway requirement:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 266<br>267<br>268                                                                                            |       | "No encroachments, including fill, new construction, substantial improvements,<br>and other development are allowed within the floodway that would result in any<br>increase in flood levels within the community during the base flood discharge."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 269                                                                                                          | 9.4.8 | Base Flood Elevation:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| 270 | A. | In speci | al flood hazard areas, the Building Inspector shall determine the base        |
|-----|----|----------|-------------------------------------------------------------------------------|
| 271 |    | flood el | evation in the following order of precedence according to the data            |
| 272 |    | availab  | le:                                                                           |
| 273 |    | 1.       | In zone AE refer to the base flood elevation data provided in the             |
| 274 |    |          | community's Flood Insurance Study and accompanying FIRM.                      |
| 275 |    | 2.       | In Zone A the Building Inspector shall obtain, review, and reasonably         |
| 276 |    |          | utilize any base flood elevation data available from any federal, state or    |
| 277 |    |          | other source including data submitted for development proposals               |
| 278 |    |          | submitted to the community (i.e. subdivisions, site approvals).               |
| 279 |    | 3.       | In Zone A where the base flood elevation is not available, the base flood     |
| 280 |    |          | elevation shall be at least two feet above the highest adjacent grade.        |
| 281 | В. | The Bu   | ilding Inspector's base flood elevation, determination will be used as        |
| 282 |    | criteria | for requiring in zones A and AE that:                                         |
| 283 |    | 1.       | All new construction or substantial improvement of residential structures     |
| 284 |    |          | have the lowest floor (including basement) elevated at least two feet one     |
| 285 |    |          | foot above the base flood elevation.                                          |
| 286 |    | 2.       | That all new construction or substantial improvement of non-residential       |
| 287 |    |          | structures have the lowest floor (including basement) elevated at least       |
| 288 |    |          | two feet to or above the base flood elevation; or together with attendant     |
| 289 |    |          | utility and sanitary facilities, shall                                        |
| 290 |    |          | a. Be flood-proofed at least two feet above the base flood                    |
| 291 |    |          | elevation so this portion of the structure is watertight with                 |
| 292 |    |          | walls substantially impermeable to the passage of water;                      |
| 293 |    |          | b. Have structural components capable of resisting hydrostatic                |
| 294 |    |          | and hydrodynamic loads and the effects of buoyancy; and                       |
| 295 |    |          | c. Be certified by a registered professional engineer or architect            |
| 296 |    |          | that the design and methods of construction are in accordance                 |
| 297 |    |          | with accepted standards of practice for meeting the provisions                |
| 298 |    |          | of this article;                                                              |
| 299 |    | 3.       | Recreational vehicles placed on site within Zones A and AE shall either:      |
| 300 |    |          | a. Be on the site for fewer than 180 consecutive days;                        |
| 301 |    |          | b. Be fully licensed, on wheels or jacking system, attached to the            |
| 302 |    |          | site only by quick disconnect type utilities and security                     |
| 303 |    |          | devices, and have no permanently attached additions; and                      |
| 304 |    |          | ready for highway use, or;                                                    |
| 305 |    | _        | c. Meet all standards of Section 9.4.8.(B)(4) of this ordinance.              |
| 306 |    | 4.       | All manufactured homes to be placed or substantially improved within          |
| 307 |    |          | special flood hazard areas shall be elevated on a permanent foundation        |
| 308 |    |          | such that the lowest floor is at least two feet such that the lowest floor of |
| 309 |    |          | the manufactured home is at or above the base flood elevation; and be         |
| 310 |    |          | securely anchored to resist flotation, collapse, or lateral movement.         |
| 311 |    |          | Methods of anchoring may include, but are not limited to, use of over-the     |
| 312 |    |          | top or frame ties to ground anchors. This requirement is in addition to       |
| 313 |    |          | applicable state and local anchoring requirements for resisting wind          |
| 314 |    |          | forces;                                                                       |

| 315 |       | 5.                | For all new construction and substantial improvements, fully enclosed        |
|-----|-------|-------------------|------------------------------------------------------------------------------|
| 316 |       |                   | areas below the lowest floor that are subject to flooding are permitted      |
| 317 |       |                   | provided they meet the following requirements:                               |
| 318 |       |                   | a. The enclosed area is unfinished or flood resistant, useable               |
| 319 |       |                   | solely for the parking of vehicles, building access or storage;              |
| 320 |       |                   | b. The area is not a basement;                                               |
| 321 |       |                   | c. Shall be designated to automatically equalize hydrostatic flood           |
| 322 |       |                   | forces on exterior walls by allowing for the entry and exit of               |
| 323 |       |                   | floodwater. Designs for meeting this requirement must either                 |
| 324 |       |                   | be certified by a registered professional engineer or architect or           |
| 325 |       |                   | must meet or exceed the following minimum criteria: A                        |
| 326 |       |                   | minimum of two flood openings having a total net area of not                 |
| 327 |       |                   | less than one square inch for every square foot of enclosed area             |
| 328 |       |                   | subject to flooding shall be provided. The bottom of all                     |
| 329 |       |                   | openings shall be no higher than one foot above grade.                       |
| 330 |       |                   | Openings may be equipped with screens, louvers, or other                     |
| 331 |       |                   | coverings or devices provided that they permit the automatic                 |
| 332 |       |                   | entry or exit of floodwater.                                                 |
| 333 | 9.4.9 | Variances and     | Appeals:                                                                     |
| 334 | А.    | Any order, requ   | irement, decision, or determination of the Building Inspector made under     |
| 335 |       | this ordinance n  | nay be appealed to the Zoning Board of Adjustment as set forth in NH         |
| 336 |       | RSA §676:5.       |                                                                              |
| 337 | B.    | If the applicant, | upon appeal, requests a variance as authorized by NH RSA §674:33, I          |
| 338 |       | (b), the applicar | it shall have the burden of showing in addition to the usual variance        |
| 339 |       | standards under   | state law:                                                                   |
| 340 |       | 1.                | That the variance will not result in increased flood heights, additional     |
| 341 |       |                   | threats to public safety, or extraordinary public expense.                   |
| 342 |       | 2.                | That if the requested variance is for activity within a designated           |
| 343 |       |                   | regulatory floodway, no increase in flood levels during the base flood       |
| 344 |       |                   | discharge will result.                                                       |
| 345 |       | 3.                | That the variance is the minimum necessary, considering the flood            |
| 346 |       |                   | hazard, to afford relief.                                                    |
| 347 | C.    | The Zoning Boa    | ard of Adjustment shall notify the applicant in writing that:                |
| 348 |       |                   | The issuance of a variance to construct below the base flood elevation       |
| 349 |       |                   | base level will result in increased premium rates for flood insurance up to  |
| 350 |       |                   | amounts as high as twenty-five dollars (\$25) for one hundred dollars        |
| 351 |       |                   | (\$100) of insurance coverage, and                                           |
| 352 |       | 2.                | Such construction below the base flood elevation base flood level            |
| 353 |       |                   | increases risks to life and property.                                        |
| 354 |       |                   | Such notification shall be maintained with a record of all variance          |
| 355 |       |                   | actions.                                                                     |
| 356 | D.    | The community     | shall:                                                                       |
| 357 |       | •                 | Maintain a record of all variance actions, including their justification for |
| 358 |       |                   | their issuance, and                                                          |
|     |       |                   |                                                                              |

359 360

- 2. Report such variances issued in its annual or biennial report submitted to FEMA's Federal Insurance Administrator.
- 361 9.5 Sea Level Rise (SLR) Risk Areas

As part of New Hampshire's Coastal Watershed and the Great Bay Estuary, portions of Exeter are 362 vulnerable to sea level rise impacts including increased flooding from coastal storms, riverbank flooding 363 and erosion. The town's Climate Risk in the Seacoast Vulnerability Assessment (C-RiSe) conducted by 364 365 the Rockingham Planning Commission in 2017 identified several areas in town likely to be impacted by increased flooding under future projections for sea level rise. These areas may be subject to increased 366 flood damage and as base flood elevations change over time, may be added to a FEMA special flood 367 368 hazard areas in the future. The map titled Advisory Sea Level Rise Risk Areas for the Town of Exeter, dated October 2022, identifies areas in town projected to be impacted by four feet of sea level rise plus a 369 1% annual chance flood event (sea level rise scenarios based on The New Hampshire Coastal Flood Risk 370 Summary Part 1: Science) The Exeter SLR Risk Areas are intended to be an advisory, non-binding part of 371 this ordinance for the purpose of educating landowners of the potential risks to property and to encourage 372 373 more stringent building and design standards for development within SLR risk areas. 374 The town of Exeter advises (but does not require) that landowners, homeowners, developers, and any parties seeking to build in lands located within the designated SLR Risk Areas as shown on map titled 375 Advisory Sea Level Rise Risk Areas for the Town of Exeter, but not in a special flood hazard area, review 376 the provisions of this floodplain development ordinance and apply them proactively to construction and 377

378 development projects as applicable.

379 Where base flood elevation is not available in the SLR risk areas, applicants are advised to determine the

380 flood elevation by adding at least two feet above the highest point around the perimeter of the building

381 footprint.



