



IREDELL COUNTY
FLOODPLAIN DEVELOPMENT APPLICATION

Received By: \_\_\_\_\_ Permit Number: \_\_\_\_\_
Date: \_\_\_\_\_ PIN: \_\_\_\_\_

Date Applied: \_\_\_\_\_
Property Address/Location of Proposed Development: \_\_\_\_\_
Applicants Name: \_\_\_\_\_ Telephone No.: (\_\_\_\_) \_\_\_\_\_
Mailing Address: \_\_\_\_\_ (Street) \_\_\_\_\_ (City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip)

Type of Development: (Check all that apply)
[ ] Excavation [ ] Utility Construction [ ] Grading [ ] Road Construction
[ ] Residential Construction [ ] Nonresidential Construction [ ] Addition [ ] Renovation
[ ] Other (specify): \_\_\_\_\_
Area in Acres of Proposed Development: \_\_\_\_\_ acres Number of Lots: \_\_\_\_\_ lots

Flood Insurance Rate Map Information
Map Panel No.: \_\_\_\_\_ Suffix \_\_\_\_\_ Map Panel Date: \_\_\_\_\_ Map Index Date: \_\_\_\_\_
Flood Zone: \_\_\_\_\_ (Enter zone)

Regulatory Floodway/Non-encroachment Area Info: (Enter Yes/No Below)
Inside Regulatory Floodway/Non-encroachment Area \_\_\_\_\_

- Development Standards (If an item is not applicable, place 'N/A' on that line)
1. If 'Inside Regulatory Floodway/Non-encroachment zone' is checked above, attach engineering certification and supporting data as required.
2. Base flood elevation (BFE) per [ ] FIRM or [ ] FIS at development site \_\_\_\_\_ (NAVD 1988).
3. Regulatory flood elevation at development site (BFE + 2): \_\_\_\_\_ (NAVD 1988).
4. Elevation to which the lowest floor (including basement) must be constructed \_\_\_\_\_ (NAVD 1988). (Elevation to be at or above BFE +2)
5. Elevation at or above which all attendant utilities to include, but not limited to, all heating, air conditioning and electrical equipment must be installed: \_\_\_\_\_ (NAVD 1988). (Elevation to be at or above BFE +2)
6. Will garage (if applicable) be used for any purpose other than parking vehicles, building access, or storage? \_\_\_\_\_. If yes, then the garage must be used in determining the lowest floor elevation. (Yes/No)
7. Proposed method of elevating the structure: \_\_\_\_\_. (a) If foundation wall is used provide the number of openings: \_\_\_\_\_ (minimum of 2 openings) (b) Total area of openings required: \_\_\_\_\_ (1 sq. inch per sq. foot of enclosed footprint area below BFE)
8. Will any watercourse be altered or relocated as a result of the proposed development? \_\_\_\_\_. If yes, attach a description of the extent of the alteration or relocation.
9. Flood proofing information: (Non-residential structures in A/AE zones only) Elevation to which structure shall be flood proofed \_\_\_\_\_ (NAVD).

Applicant acknowledgment: I the undersigned understand that the issuance of a floodplain development permit is contingent upon the above information being correct and that the plans and supporting data have been or shall be provided as required. I also understand that prior to occupancy of the structure being permitted, an elevation and/or flood proofing certificate signed by a professional engineer or registered land surveyor must be on file with the Iredell County Planning Department indicating the "as built" elevations in relation to NAVD 1988

Print or Type Name of Applicant \_\_\_\_\_ Print or Type Name of Agent \_\_\_\_\_
Signature of Applicant and Date \_\_\_\_\_ Signature of Agent and Date \_\_\_\_\_
Email address \_\_\_\_\_ Email address \_\_\_\_\_

Refer to: "Exhibits Required for an Application for Floodplain Development" on the back of this form to assure application is complete

## Exhibits Required for an Application for Floodplain Development

**PLOT PLAN**, drawn to scale which shall include, but not be limited to, the following specific details of the proposed floodplain development:

- I. The nature, location, dimensions, and elevations of the area of development/disturbance; existing and proposed structures, utility systems, grading/pavement areas, fill materials, storage areas, drainage facilities, and other development;
- II. The boundary of the Special Flood Hazard Area as delineated on the FIRM or other flood map as determined in Article 3, Section B, of the Iredell County Flood Damage Prevention Ordinance, or a statement that the entire lot is within the Special Flood Hazard Area;
- III. Flood zone(s) designation of the proposed development area as determined on the FIRM or other flood map determined in Article 3, Section B;
- IV. The boundary of the Floodway or Non-Encroachment Area;
- V. The Base Flood Elevation (BFE) where provided as set forth in Article 3, Section B; Article 4, Section C; or Article 5, Section D;
- VI. The old and new location of any watercourse that will be altered or relocated as a result of proposed development;
- VII. The certification of the plot plan by a registered land surveyor or professional engineer. Projects under one-hundred-fifty (150) square feet or \$3,000, and not in a floodway or non-encroachment zone, are exempt from this provision.

**PROPOSED ELEVATION**, and method of elevation, of all development within a Special Flood Hazard Area including but not limited to:

- I. Elevation in relation to NAVD 1988 of the proposed reference level (including basement) of all structures;<sup>1</sup>
- II. Elevation in relation to NAVD 1988 to which any non-residential structure in Zone AE, A or AO will be floodproofed; and
- III. Elevation in relation to NAVD 1988 to which any proposed utility systems will be elevated or floodproofed;

<sup>1</sup> If building a structure, an **Elevation Certificate** (FEMA Form 86-0-33) of the elevation of the reference level, in relation to mean sea level, is required prior to the actual start of any new construction.

If floodproofing (non-residential only), a **Floodproofing Certificate** (FEMA Form 086-0-34) with supporting data and an operational plan that includes, but is not limited to installation, exercise and maintenance of floodproofing measures. **(Required for floodproofed structures)**

**FOUNDATION PLAN**, drawn to scale, which shall include details of the proposed foundation system to ensure all provisions of this ordinance are met. These details include but are not limited to:

- I. The proposed method of elevation, if applicable (i.e., solid foundation perimeter wall, solid backfilled foundation, open foundation on columns/posts/piles/shear walls);
- II. Openings to facilitate automatic equalization of hydrostatic flood forces on walls in accordance with Article 5, Section B(4)(d) when solid foundation perimeter walls are used in Zone AE.

Usage details of any enclosed areas below the lowest floor;

Plans and/or details for the protection of public utilities and facilities such as sewer, gas, electrical, and water systems to be located and constructed to minimize flood damage;

Certification that all other Local, State, and Federal permits required prior to floodplain development permit issuance have been received (Wetlands, Endangered Species, Erosion and Sedimentation Control, Riparian Buffers, Mining, etc.).

Documentation for placement of Recreational Vehicles and/or Temporary Structures, when applicable, to ensure that the provisions of Article 5, Section B, subsections (6) and (7) of this ordinance are met.

A description of proposed watercourse alteration or relocation, when applicable, including an engineering report on the effects of the proposed project on the flood-carrying capacity of the watercourse and the effects to properties located both upstream and downstream; and a map (if not shown on plot plan) showing the location of the proposed watercourse alteration or relocation.

Additional information can be found in the Iredell County Land Development Code, Appendix G Flood Damage Prevention Ordinance

Elevation Certificates are [available on line](#) from the FEMA