

## ORDINANCE NO. 835

### AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF ORANGE CITY, IOWA, BY AMENDING CHAPTER 160, FLOODPLAIN MANAGEMENT

**BE IT ENACTED** by the City Council of the City of Orange City, Iowa:

**SECTION 1.** The Code of Ordinances of the City of Orange City, Iowa, Chapter 160, Floodplain Management, Sections 160.03, 160.04, and 160.05 is amended by the following wording:

**160.03 GENERAL PROVISIONS.** To read as follows:

1. **Lands to Which Chapter Applies.** The provisions of this Ordinance shall apply to all lands and development which have significant flood hazards. The Flood Insurance Rate Map (FIRM) for SIOUX COUNTY and Incorporated Areas, City of ORANGE CITY, Panels 19167C0464D, 0468D, 0469D, 0627D, 0631D, 0632D, dated August 2, 2022, which were prepared as part of the SIOUX COUNTY Flood Insurance Study, shall be used to identify such flood hazard areas and all areas shown thereon to be within the boundaries of the base flood shall be considered as having significant flood hazards. The Flood Insurance Study for SIOUX COUNTY is hereby adopted by reference and is made a part of this ordinance for the purpose of administering floodplain management regulations.

**160.04 ADMINISTRATION.** To read as follows:

1. **(B) (3)** Record and maintain a record of (i) the elevation relation to North American Vertical Datum 1988) of the lowest floor (including basement) of all new or substantially improved structures or (ii) the elevation to which new or substantially improved structures have been floodproofed.

2. **(B) (6)** Elevation (in relation to North American Vertical Datum 1988) of the lowest floor (including basement) of structures or of the level to which a structure is to be floodproofed.

**160.05 FLOODPLAIN MANAGEMENT STANDARDS.** To read as follows:

3. **Non-residential structures.** All new or substantially improved non-residential structures shall have the lowest floor (including basement) elevated a minimum of one (1) foot above the base flood elevation, or together with attendant utility and sanitary systems, be floodproofed to such a level. When floodproofing is utilized, a professional engineer registered in the State of Iowa shall certify that the floodproofing methods used are adequate to withstand the flood depths, pressures, velocities, impact and uplift forces and other factors associated with the base flood; and that the structure, below the base flood elevation is watertight with walls substantially impermeable to the passage of water. A record of the

certification indicating the specific elevation (in relation to North American Vertical Datum 1988) to which any structures are floodproofed shall be maintained by the Administrator.

**4. (C)** New and substantially improved structures shall be constructed with electric meter, electrical service panel box, hot water heater, heating, air conditioning, ventilation equipment (including ductwork), and other similar machinery and equipment elevated (or in the case on non-residential structures, optionally floodproofed to) a minimum of one (1) foot above the base flood elevation.

**4. (D)** New and substantially improved structures shall be constructed with plumbing, gas lines, water/gas meters and other similar service utilities either elevated (or in the case of non-residential structures, optionally floodproofed to) a minimum of one (1) foot above the base flood elevation or designed to be watertight and withstand inundation to such a level.

**14. Maximum Damage Potential Development.** All new or substantially improved maximum damage potential development shall have the lowest floor (including basement) elevated a minimum of one (1) foot above the elevation of the 500-year flood, or together with attendant utility and sanitary systems, be floodproofed to such a level. When floodproofing is utilized, a professional engineer registered in the State of Iowa shall certify that the floodproofing methods used are adequate to withstand the flood depths, pressures, velocities, impact and uplift forces and other factors associated with the 0.2% annual chance flood; and that the structure, below the 0.2% annual chance flood elevation is watertight with walls substantially impermeable to the passage of water. A record of the certification indicating the specific elevation (in relation to North American Vertical Datum 1988) to which any structures are floodproofed shall be maintained by the Administrator. Where 0.2% chance flood elevation data has not been provided in the Flood Insurance Study, the Iowa Department of Natural Resources shall be contacted to compute such data. The applicant will be responsible for providing the Department of Natural Resources with sufficient technical information to make such determinations.

**SECTION 2. REPEALER.** All ordinance or parts thereof in conflict with the provisions of this ordinance are hereby repealed.

**SECTION 3. SEVERABILITY CLAUSE.** If any section, provision, or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of this ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

**SECTION 4. WHEN EFFECTIVE.** This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

Passed and approved this 21<sup>st</sup> day of March, 2022.



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Deb De Haan, Mayor

ATTEST:

  
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Janet Brown, City Clerk