

1353.23 DATA USE AND FLOOD MAP INTERPRETATION.

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CODIFIED ORDINANCES OF THE CITY OF SHEFFIELD LAKE, OHIO

CERTIFICATION

ROSTER OF OFFICIALS

ADOPTING ORDINANCE NO. 116-84

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CHAPTER 1353 Flood Damage Prevention

1353.20 EXEMPTION FROM FILING A DEVELOPMENT PERMIT.

An application for a floodplain development permit shall not be required for:

Maintenance work such as roofing, painting, and basement sealing, or for small nonstructural

development activities (except for filling and grading) valued at less than two thousand five hundred dollars (\$2,500).

(Ord. 9-21. Passed 2-9-21.)

1353.21 STATE AND FEDERAL DEVELOPMENT.

(a) Development that is funded, financed, undertaken, or preempted by state agencies shall comply with minimum NFIP criteria.

(b) Before awarding funding or financing or granting a license, permit, or other authorization for a development that is or is to be located within a 100-year floodplain, a state agency shall require the applicant to demonstrate to the satisfaction of the agency that the development will comply with minimum NFIP criteria and any applicable local floodplain management resolution or ordinance as required by Ohio Revised Code Section 1521.13. This includes, but is not limited to:

(1) Development activities in an existing or proposed manufacture home park that are under the authority of the Ohio Department of Commerce and subject to the flood damage reduction provisions of the Ohio Administrative code Section 4781-12.

(2) Major utility facilities permitted by the Ohio Power Siting Board under Section 4906 of the Ohio Revised Code.

(3) Hazardous waste disposal facilities permitted by the Hazardous Waste Siting Board under Section 3734 of the Ohio Revised Code.

(c) Development activities undertaken by a federal agency and which are subject to Federal Executive Order 11988-Floodplain Management.

(1) Each federal agency has a responsibility to evaluate the potential effects of any actions it may take in a floodplain; to ensure that its planning programs and budget requests reflect consideration of flood hazards and floodplain management; and to prescribe procedures to implement the policies and and requirement of EO 11988.

(Ord. 9-21. Passed 2-9-21.)

1353.22 MAP MAINTENANCE ACTIVITIES.

To meet National Flood Insurance Program minimum requirements to have flood data reviewed and approved by FEMA, and to ensure that Sheffield Lake's flood maps, studies and other data identified in Section 1353.06 accurately represent flooding conditions so appropriate floodplain management criteria are based on current data, the following map maintenance activities are identified:

(a) Requirement to Submit New Technical Data.

(1) For all development proposals that impact floodway delineations or base flood elevations, the community shall ensure that technical data reflecting such changes be submitted to FEMA within six months of the date such information becomes available. These development proposals include:

A. Floodway encroachments that increase or decrease base flood elevations or alter floodway boundaries;

B. Fill sites to be used for the placement of proposed structures where the applicant desires to remove the site from the special flood hazard area;

C. Alteration of watercourses that result in a relocation or elimination of the special flood hazard area, including the placement of culverts; and

D. Subdivision or other new developments proposals requiring the establishment of base flood elevations in accordance with Section 1353.28.

(2) It is the responsibility of the applicant to have technical data, required in accordance with Section 1353.22(a), prepared in a format required for a Conditional Letter of Map Revision or Letter

of Map Revision, and submitted to FEMA. Submittal and processing fees for these map revisions shall be the responsibility of the applicant.

(3) The Floodplain Administrator shall require a Conditional Letter of Map Revision prior to the issuance of a floodplain development permit for:

- A. Proposed floodway encroachments that increase the base flood elevation; and
- B. Proposed development which increases the base flood elevation by more than one foot in riverine areas where FEMA has provided base flood elevations but no floodway.

(4) Floodplain development permits issued by the Floodplain Administrator shall be conditioned upon the applicant obtaining a Letter of Map Revision from FEMA for any development proposal subject to Section 1353.22(a)(1).

(b) Right to Submit New Technical Data. The Floodplain Administrator may request changes to any of the information shown on an effective map that does not impact floodplain or floodway delineations or base flood elevations, such as labeling or planimetric details. Such a submission shall include appropriate supporting documentation made in writing by the Mayor of Sheffield Lake, and may be submitted at any time.

(c) Annexation/Detachment. Upon occurrence, the Floodplain Administrator shall notify FEMA in writing whenever the boundaries of the City of Sheffield Lake have been modified by annexation or the community has assumed authority over an area, or no longer has authority to adopt and enforce floodplain management regulations for a particular area. In order that the City of Sheffield Lake's Flood Insurance Rate Map accurately represent the City of Sheffield Lake's boundaries, include within such notification a copy of a map of the City of Sheffield Lake suitable for reproduction, clearly showing the new corporate limits or the new area for which the City of Sheffield Lake has assumed or relinquished floodplain management regulatory authority.

(Ord. 9-21. Passed 2-9-21.)

1353.23 DATA USE AND FLOOD MAP INTERPRETATION.

The following guidelines shall apply to the use and interpretation of maps and other data showing areas of special flood hazard:

(a) In areas where FEMA has not identified special flood hazard areas, or in FEMA identified special flood hazard areas where base flood elevation and floodway data have not been identified, the Floodplain Administrator shall review and reasonably utilize any other flood hazard data available from a federal, state, or other source.

(b) Base flood elevations and floodway boundaries produced on FEMA flood maps and studies shall take precedence over base flood elevations and floodway boundaries by any other source that reflect a reduced floodway width and/or lower base flood elevations. Other sources of data, showing increased base flood elevations and/or larger floodway areas than are shown on FEMA flood maps and studies, shall be reasonably used by the Floodplain Administrator.

(c) The Floodplain Administrator shall make interpretations, where needed, as to the exact location of the flood boundaries and areas of special flood hazard. A person contesting the determination of the location of the boundary shall be given a reasonable opportunity to appeal the interpretation as provided in Section 1353.36 et seq., Appeals and Variances.

(d) Where an existing or proposed structure or other development is affected by multiple flood zones, by multiple base flood elevations, or both, the development activity must comply with the provisions of this ordinance applicable to the most restrictive flood zone and the highest base flood elevation affecting any part of the existing or proposed structure; or for other developments, affecting any part of the area of the development.

(Ord. 9-21. Passed 2-9-21.)

1353.24 USE OF PRELIMINARY FLOOD INSURANCE RATE MAP AND/OR FLOOD INSURANCE STUDY DATA.

(a) Zone A:

(1) Within Zone A areas designated on an effective FIRM, data from the preliminary FIRM and/or FIS shall reasonably be utilized as best available data.

(2) When all appeals have been resolved and a notice of final flood elevation determination has been provided in a Letter of Final Determination (LFD), BFE and floodway data from the preliminary FIRM and/or FIS shall be used for regulating development.

(b) Zones AE, A1-30, AH, AO, VE, and V1-30:

(1) BFE and floodway data from a preliminary FIS or FIRM restudy are not required to be used in lieu of BFE and floodway data contained in an existing effective FIS and FIRM. However,

A. Where BFEs increase in a restudied area, communities have the responsibility to ensure that new or substantially improved structures are protected. Communities are encouraged to reasonably utilize preliminary FIS or FIRM data in instances where BFEs increase and floodways are revised to ensure that the health, safety, and property of their citizens are protected.

B. Where BFEs decrease, preliminary FIS or FIRM Data should not be used to regulate floodplain development until the LFD has been issued or until all appeals have been resolved.

(2) If a preliminary FIRM or FIS has designated floodways where none had previously existed, communities should reasonably utilize this data in lieu of applying the encroachment performance standard of Section 1353.34(b) since the data in the draft or preliminary FIS represents the best data available.

(c) Zones B, C, and X:

(1) Use of BFE and floodway data from a preliminary FIRM or FIS are not required for areas designated as Zone B,C, or X on the effective FIRM which are being revised to Zone AE, A1-30, AH, AO, VE, or V1-30. Communities are encouraged to reasonably utilize preliminary FIS or FIRM data to ensure that the health, safety, and property of their citizens are protected.

(Ord. 9-21. Passed 2-9-21.)

1353.25 SUBSTANTIAL DAMAGE DETERMINATIONS.

Damages to structures may result from a variety of causes including flood, tornado, wind, heavy snow, fire, etc. After such a damage event, the Floodplain Administrator shall:

(a) Determine whether damaged structures are located in special flood hazard areas;

(b) Conduct substantial damage determinations for damaged structures located in special flood hazard areas; and

(c) Require owners of substantially damaged structures to obtain a floodplain development permit prior to repair, rehabilitation, or reconstruction.

Additionally, the Floodplain Administrator may implement other measures to assist with the substantial damage determination and subsequent repair process. These measures include issuing press releases, public service announcements, and other public information materials related to the floodplain development permits and repair of damaged structures; coordinating with other federal, state, and local agencies to assist with substantial damage determinations; providing owners of damaged structures materials and other information related to the proper repair of damaged structures in special flood hazard areas; and assist owners of substantially damaged structures with Increased Cost of Compliance insurance claims. (Ord. 9-21. Passed 2-9-21.)

1353.26 USE REGULATIONS.

The following use and development standards apply to development wholly within, partially

within, or in contact with any special flood hazard area as established in Section 1353.06, 1353.23(a), or 1353.24.

(a) Permitted Uses. All uses not otherwise prohibited in this section or any other applicable land use regulation adopted by Sheffield Lake are allowed provided they meet the provisions of these regulations.

(Ord. 9-21. Passed 2-9-21.)

1353.27 WATER AND WASTEWATER SYSTEMS.

The following standards apply to all water supply, sanitary sewerage and waste disposal systems in the absence of any more restrictive standard provided under the Ohio Revised Code or applicable state rules:

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

(b) New and replacement sanitary sewerage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharge from the systems into flood waters; and,

(c) On-site waste disposal systems shall be located to avoid impairment to or contamination from them during flooding.

(Ord. 9-21. Passed 2-9-21.)

1353.28 SUBDIVISION AND OTHER NEW DEVELOPMENTS.

(a) All subdivision proposals and all other proposed new development shall be consistent with the need to minimize flood damage and are subject to all applicable standards in these regulations;

(b) All subdivision proposals and all other proposed new development shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize or eliminate flood damage;

(c) All subdivision proposals and all other proposed new development shall have adequate drainage provided to reduce exposure to flood damage; and

(d) In all areas of special flood hazard where base flood elevation data are not available, the applicant shall provide a hydrologic and hydraulic engineering analysis that generates base flood elevations for all subdivision proposals and other proposed developments containing at least 50 lots or 5 acres, whichever is less.

(e) The applicant shall meet the requirement to submit technical data to FEMA in Section 1353.22(a)(1)D. when a hydrologic and hydraulic analysis is completed that generates base flood elevations as required by Section 1353.22(d).

(Ord. 9-21. Passed 2-9-21.)

1353.29 RESIDENTIAL STRUCTURES.

The Requirements of Section 1353.29 apply to new construction of residential structures and to substantial improvements of residential structures in zones A, A1-30, AE, AO, and AH, when designated on the community's effective FIRM, and when designated on a preliminary or final FIRM issued by FEMA under the circumstances provided in Section 1353.24.

(a) New construction and substantial improvements shall be anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy. Where a structure, including its foundation members, is elevated on fill to or above the base flood elevation, the requirements for anchoring (Section 1353.29(a)) and construction materials resistant to flood damage (Section 1353.29(b)) are satisfied.

(b) New construction and substantial improvements shall be constructed with methods and materials resistant to flood damage.

(c) New construction and substantial improvements shall be constructed with electrical, heating,

ventilation, plumbing and air conditioning equipment and other service facilities that are designed and/or elevated so as to prevent water from entering or accumulating within the components during conditions of flooding.

(d) New construction and substantial improvement of any residential structure, including manufactured homes, shall have the lowest floor, including basement, elevated to or above the flood protection elevation.

(e) New construction and substantial improvements, including manufactured homes, that do not have basements and that are elevated to the flood protection elevation using pilings, columns, posts, or solid foundation perimeter walls with openings to allow the automatic equalization of hydrostatic pressure may have an enclosure below the lowest floor provided the enclosure meets the following standards:

(1) Be used only for the parking of vehicles, building access, or storage; and

(2) Be designed and certified by a registered professional engineer or architect to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters; or

(3) Have a minimum of two openings on different walls having a total net area not less than one square inch for every square foot of enclosed area, and the bottom of all such openings being no higher than one-foot above grade. The openings may be equipped with screens, louvers, or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.

(f) Manufactured homes shall be affixed to a permanent foundation and anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors.

(g) Repair or rehabilitation of historic structures upon a determination that the proposed repair or rehabilitation will not preclude the structure's continued designation as a historic structure and is the minimum necessary to preserve the historic character and design of the structure, shall be exempt from the development standards of Section 1353.29.

(Ord. 9-21. Passed 2-9-21.)

1353.30 NONRESIDENTIAL STRUCTURES.

The requirements of Section 1353.30 apply to new construction and to substantial improvements of nonresidential structures in zones A, A1-30, AE, AO, and AH, when designated on the community's effective FIRM, and when designated on a preliminary or final FIRM issued by FEMA under circumstances provided in Section 1353.24.

(a) New construction and substantial improvement of any commercial, industrial, or other nonresidential structure shall meet the requirements of Section 1353.29(a)-(c) and (e)-(g).

(b) New construction and substantial improvement of any commercial, industrial or other non-residential structure shall either have the lowest floor, including basement, elevated to or above the level of the flood protection elevation; or, together with attendant utility and sanitary facilities, shall meet all of the following standards:

(1) Be dry floodproofed so that the structure is watertight with walls substantially impermeable to the passage of water to the level of the flood protection elevation;

(2) Have structural components capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy; and,

(3) Be certified by a registered professional engineer or architect, through the use of a Federal Emergency Management Agency Floodproofing Certificate, that the design and methods of construction are in accordance with Section 1353.30(b)(1) and (2).

(Ord. 9-21. Passed 2-9-21.)

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- Repealed)
- Ord. 9-21
- ordinance as required by Ohio Revised Code Section 1521
- Order 11988-Floodplain Management
- ordinance with Section 1353
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