

1 **#ZORD-2018-0001 (as amended)**

2 **BILL NO. G-18-05-08**

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4 **GENERAL ORDINANCE NO. G-_____**

5 **AN ORDINANCE repealing and replacing Chapter 157.412 of the**
6 **City of Fort Wayne Municipal Code**

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8 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE,

9 INDIANA:

10 SECTION 1. That the current Chapter 157.412 (Floodplain) is hereby repealed and replaced with a
11 new Chapter 157.412.

12 SECTION 2. That the Floodplain Definitions currently in Chapter 157.506 (Definitions) are now
13 included in the replacement Chapter 157.412 (Floodplain).

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16 **§157.412 FLOODPLAIN**

17 (A) Statutory Authorization, Findings of Fact, Purpose, and Objectives

18 (1) Statutory Authorization

19 The Indiana Legislature has in IC 36-7-4 granted the power to local government units to control land
20 use within their jurisdictions. Therefore, the City of Fort Wayne does hereby adopt the following
21 floodplain management regulations.

22 (2) Findings of Fact

23 (a) The flood hazard areas of the City of Fort Wayne are subject to periodic inundation
24 which results in loss of life and property, health and safety hazards, disruption of
25 commerce and governmental services, extraordinary public expenditures for flood
26 protection and relief, and impairment of the tax base, all of which adversely affect
27 the public health, safety, and general welfare.

28 (b) These flood losses are caused by the cumulative effect of obstructions in floodplains
29 causing increases in flood heights and velocities, and by the occupancy in flood
30 hazard areas by uses vulnerable to floods or hazardous to other lands which are
inadequately elevated, inadequately flood-proofed, or otherwise unprotected from
flood damages.

(3) Statement of Purpose

It is the purpose of this section to promote the public health, safety, and general welfare and to minimize
public and private losses due to flood conditions in specific areas by provisions designed to:

- (a) Restrict or prohibit uses which are dangerous to health, safety, and property due to water or erosion hazards, which result in damaging increases in erosion or in flood heights or velocities.
- (b) Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction.
- (c) Control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of flood waters.
- (d) Control filling, grading, dredging, and other development which may increase erosion or flood damage.
- (e) Prevent or regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands.
- (f) Make federal flood insurance available for structures and their contents in the City by fulfilling the requirements of the National Flood Insurance Program.

(4) Objectives

The objectives of this section are:

- (a) To protect human life and health.
- (b) To minimize expenditure of public money for costly flood control projects.
- (c) To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public.
- (d) To minimize prolonged business interruptions.
- (e) To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone, and sewer lines, streets, and bridges located in floodplains.
- (f) To help maintain a stable tax base by providing for the sound use and development of flood prone areas in such a manner as to minimize flood blight areas.

(B) Definitions

Unless specifically defined below, words or phrases used in this chapter shall be interpreted so as to give them the meaning they have in common usage and to give this section its most reasonable application. The definitions listed below shall only apply to this section.

A Zone

Portions of the SFHA in which the principal source of flooding is runoff from rainfall, snowmelt, or a combination of both. In A zones, floodwaters may move slowly or rapidly, but waves are usually not a significant threat to buildings. These areas are labeled as Zone A, Zone AE, Zones A1-A30, Zone AO, Zone AH, Zone AR and Zone A99 on a FIRM. The definitions are presented below:

Zone A: Areas subject to inundation by the one-percent annual chance flood event. Because detailed hydraulic analyses have not been performed, no base flood elevation or depths are shown.

Zone AE and A1-A30: Areas subject to inundation by the one-percent annual chance flood event determined by detailed methods. Base flood elevations are shown within these zones. (Zone AE is on new and revised maps in place of Zones A1-A30.)

Zone AO: Areas subject to inundation by one-percent annual chance shallow flooding (usually sheet flow on sloping terrain) where average depths are between one and three feet. Average flood depths derived from detailed hydraulic analyses are shown within this zone.

Zone AH: Areas subject to inundation by one-percent annual chance shallow flooding (usually areas of ponding) where average depths are between one and three feet. Average flood depths derived from detailed hydraulic analyses are shown within this zone.

Zone AR: Areas that result from the decertification of a previously accredited flood protection system that is determined to be in the process of being restored to provide base flood protection.

Zone A99: Areas subject to inundation by the one-percent annual chance flood event, but which will ultimately be protected upon completion of an under-construction Federal flood protection system. These are areas of special flood hazard where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes. Zone A99 may only be used when the flood protection system has reached specified statutory progress toward completion. No base flood elevations or depths are shown.

Accessory Structure (Appurtenant Structure)

A structure with a floor area 400 square feet or less that is located on the same parcel of property as the principal structure and the use of which is incidental to the use of the principal structure. Accessory structures should constitute a minimal initial investment, may not be used for human habitation, and be designed to have minimal flood damage potential. Examples of accessory structures are detached garages, storage sheds, pole barns, and hay sheds.

Addition (to an existing Structure)

Any walled and roofed expansion to the perimeter of a structure in which the addition is connected by a common load-bearing wall other than a firewall. Any walled and roofed addition, which is connected by a firewall or is separated by independent perimeter load-bearing walls, is new construction.

Appeal

A request for a review of the floodplain administrator's interpretation of any provision of this section.

Area of shallow flooding

A designated AO or AH Zone on the community's Flood Insurance Rate Map (FIRM) with base flood depths from one to three feet where a clearly defined channel does not exist, where the path of flooding is unpredictable and indeterminate, and where velocity flow may be evident. Such flooding is characterized by ponding or sheet flow.

Base Flood

The flood having a one percent chance of being equaled or exceeded in any given year.

Base Flood Elevation (BFE)

The elevation of the one-percent annual chance flood.

Basement

That portion of a structure having its floor sub-grade (below ground level) on all sides.

Boundary River

The part of the Ohio River that forms the boundary between Kentucky and Indiana.

Boundary River Floodway

The floodway of a boundary river.

Building - see "Structure"

Community

A political entity that has the authority to adopt and enforce floodplain ordinances for the area under its jurisdiction.

Community Rating System (CRS)

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2 A program developed by the Federal Insurance Administration to provide incentives for those communities
3 in the Regular Program that have gone beyond the minimum floodplain management requirements to develop
4 extra measures to provide protection from flooding.

5 **Critical Facility**

6 A facility for which even a slight chance of flooding might be too great. Critical facilities include, but are not
7 limited to: schools; nursing homes; hospitals; police, fire, and emergency response installations; and
8 installations which produce, use or store hazardous materials or hazardous waste.

9 **Development**

10 Any man-made change to improved or unimproved real estate including but not limited to:

- 11 (1) construction, reconstruction, or placement of a structure or any addition to a structure;
- 12 (2) installing a manufactured home on a site, preparing a site for a manufactured home or installing
13 a recreational vehicle on a site for more than 180 days;
- 14 (3) installing utilities, erection of walls and fences, construction of roads, or similar projects;
- 15 (4) construction of flood control structures such as levees, dikes, dams, channel improvements, etc.;
- 16 (5) mining, dredging, filling, grading, excavation, or drilling operations;
- 17 (6) construction and/or reconstruction of bridges or culverts;
- 18 (7) storage of materials; or
- 19 (8) any other activity that might change the direction, height, or velocity of flood or surface waters.

20 "Development" does not include activities such as the maintenance of existing structures and facilities such as
21 painting, re-roofing; resurfacing roads; or gardening, plowing, and similar agricultural practices that do not
22 involve filling, grading, excavation, or the construction of permanent structures.

23 **Elevated Structure**

24 A non-basement structure built to have the lowest floor elevated above the ground level by means of fill,
25 solid foundation perimeter walls, filled stem wall foundations (also called chain walls), pilings, or columns
26 (posts and piers).

27 **Elevation Certificate**

28 A certified statement that verifies a structure's elevation information.

29 **Emergency Program**

30 The first phase under which a community participates in the NFIP. It is intended to provide a first layer amount
of insurance at subsidized rates on all insurable structures in that community before the effective date of the
initial FIRM.

Existing Manufactured Home Park or Subdivision

A manufactured home park or subdivision for which the construction of facilities for servicing the lots on which
the manufactured homes are to be affixed (including, at a minimum, the installation of utilities, the
construction of streets, and either final site grading or the pouring of concrete pads) was completed before May
24, 1974.

Expansion to an Existing Manufactured Home Park or Subdivision

The preparation of additional sites by the construction of facilities for servicing the lots on which the
manufactured homes are to be affixed (including the installation of utilities, the construction of streets, and either
final site grading or the pouring of concrete pads).

FEMA

1 The Federal Emergency Management Agency.

2 **Flood**

3 A general and temporary condition of partial or complete inundation of normally dry land areas from the
4 overflow, the unusual and rapid accumulation, or the runoff of surface waters from any source.

5 **Flood Boundary and Floodway Map (FBFM)**

6 An official map on which the Federal Emergency Management Agency (FEMA) or Federal Insurance
7 Administration (FIA) has delineated the areas of flood hazards and regulatory floodway.

8 **Flood Insurance Rate Map (FIRM)**

9 An official map of a community, on which FEMA has delineated both the areas of special flood hazard and the
10 risk premium zones applicable to the community.

11 **Flood Insurance Study (FIS)**

12 The official hydraulic and hydrologic report provided by FEMA. The report contains flood profiles, as well
13 as the FIRM, FBFM (where applicable), and the water surface elevation of the base flood.

14 **Flood Prone Area**

15 Any land area acknowledged by a community as being susceptible to inundation by water from any source.
16 (See "Flood")

17 **Flood Protection Grade (FPG)**

18 The elevation of the regulatory flood plus two feet at any given location in the SFHA (see "Freeboard").

19 **Floodplain**

20 The channel proper and the areas adjoining any wetland, lake, or watercourse which have been or hereafter
21 may be covered by the regulatory flood. The floodplain includes both the floodway and the fringe districts.

22 **Floodplain Management**

23 The operation of an overall program of corrective and preventive measures for reducing flood damage and
24 preserving and enhancing, where possible, natural resources in the floodplain, including but not limited to
25 emergency preparedness plans, flood control works, floodplain management regulations, and open space plans.

26 **Floodplain Management Regulations**

27 This section and other zoning ordinances, subdivision regulations, building codes, health regulations, special
28 purpose ordinances, and other applications of police power which control development in flood-prone areas.
29 This term describes federal, state, or local regulations in any combination thereof, which provide standards
30 for preventing and reducing flood loss and damage. Floodplain management regulations are also referred
to as floodplain regulations, floodplain ordinance, flood damage prevention ordinance, and floodplain
management requirements.

Floodproofing (Dry Floodproofing)

A method of protecting a structure that ensures that the structure, together with attendant utilities and sanitary
facilities, is watertight to the floodproofed design elevation with walls that are substantially impermeable to
the passage of water. All structural components of these walls are capable of resisting hydrostatic and
hydrodynamic flood forces, including the effects of buoyancy, and anticipated debris impact forces.

Floodproofing Certificate

A form used to certify compliance for non-residential structures as an alternative to elevating structures to or
above the FPG. This certification must be by a Registered Professional Engineer or Architect.

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Floodway

The channel of a river or stream and those portions of the floodplains adjoining the channel which are reasonably required to efficiently carry and discharge the peak flood flow of the regulatory flood of any river or stream.

Freeboard

A factor of safety, usually expressed in feet above the BFE, which is applied for the purposes of floodplain management. It is used to compensate for the many unknown factors that could contribute to flood heights greater than those calculated for the base flood.

Fringe

Those portions of the floodplain lying outside the floodway.

Hardship (as Related to Variances of This Section)

The exceptional hardship that would result from a failure to grant the requested variance. The City of Fort Wayne Board of Zoning Appeals requires that the variance is exceptional, unusual, and peculiar to the property involved. Mere economic or financial hardship alone is NOT exceptional. Inconvenience, aesthetic considerations, physical handicaps, personal preferences, or the disapproval of one's neighbors likewise cannot, as a rule, qualify as an exceptional hardship. All of these problems can be resolved through other means without granting a variance, even if the alternative is more expensive, or requires the property owner to build elsewhere or put the parcel to a different use than originally intended.

Highest Adjacent Grade

The highest natural elevation of the ground surface, prior to the start of construction, next to the proposed walls of a structure.

Historic Structure

Any structure that is:

- (1) Listed individually on the National Register of Historic Places (a listing maintained by the Department of the Interior) or determined by the United States Secretary of the Interior as eligible for individual listing on the National Register; or
- (2) Certified or preliminarily determined by the Secretary of the Interior as contributing to the historical significance of a registered historic district; or
- (3) Listed on or determined eligible for the National Register of Historic Places as contributing to the significance of a historic district; or
- (4) Individually listed on the Indiana Register of Historic Sites and Structures; or
- (5) Individually listed on or designated as a contributing resource in a historic district listed in the Fort Wayne Cultural Resources Survey.

Letter of Final Determination (LFD)

A letter issued by FEMA during the mapping update process which establishes final elevations and provides the new flood map and flood study to the community. The LFD initiates the six-month adoption period. The community must adopt or amend its floodplain management regulations during this six-month period unless the community has previously incorporated an automatic adoption clause.

Letter of Map Change (LOMC)

A general term used to refer to the several types of revisions and amendments to FEMA maps that can be accomplished by letter. They include Letter of Map Amendment (LOMA), Letter of Map Revision (LOMR), and Letter of Map Revision based on Fill (LOMR-F). The definitions are presented below.

Letter of Map Amendment (LOMA)

An amendment by letter to the currently effective FEMA map that establishes that a property is not located in a

SFHA through the submittal of property specific elevation data. A LOMA is only issued by FEMA.

Letter of Map Revision (LOMR)

An official revision to the currently effective FEMA map. It is issued by FEMA and changes flood zones, delineations, and elevations.

Letter of Map Revision Based on Fill (LOMR-F)

An official revision by letter to an effective NFIP map. A LOMR-F provides FEMA's determination concerning whether a structure or parcel has been elevated on fill above the BFE and excluded from the SFHA.

Lowest Adjacent Grade

The lowest elevation, after completion of construction, of the ground, sidewalk, patio, deck support, or basement entryway immediately next to the structure.

Lowest Floor

The lowest elevation described among the following:

- (1) The top of the lowest level of the structure.
- (2) The top of the basement floor.
- (3) The top of the garage floor, if the garage is the lowest level of the structure.
- (4) The top of the first floor of a structure elevated on pilings or pillars.
- (5) The top of the floor level of any enclosure, other than a basement, below an elevated structure where the walls of the enclosure provide any resistance to the flow of flood waters unless:
 - (a) the walls are designed to automatically equalize the hydrostatic flood forces on the walls by allowing for the entry and exit of flood waters by providing a minimum of two openings (in addition to doorways and windows) in a minimum of two exterior walls; if a structure has more than one enclosed area, each shall have openings on exterior walls;
 - (b) the total net area of all openings shall be at least one (1) square inch for every one square foot of enclosed area; the bottom of all such openings shall be no higher than one (1) foot above the exterior grade or the interior grade immediately beneath each opening, whichever is higher; and,
 - (c) such enclosed space shall be usable solely for the parking of vehicles and building access.

Manufactured Home

A structure, transportable in one or more sections, which is built on a permanent chassis and is designed for use with or without a permanent foundation when attached to the required utilities. The term "manufactured home" does not include a "recreational vehicle."

Manufactured Home Park or Subdivision

A parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

Market Value

The building value, excluding the land (as agreed to between a willing buyer and seller), as established by what the local real estate market will bear. Market value can be established by independent certified appraisal, replacement cost depreciated by age of building (actual cash value), or adjusted assessed values.

Mitigation

Sustained actions taken to reduce or eliminate long-term risk to people and property from hazards and their effects. The purpose of mitigation is twofold: to protect people and structures, and to minimize the cost of disaster response and recovery.

National Flood Insurance Program (NFIP)

The federal program that makes flood insurance available to owners of property in participating communities nationwide through the cooperative efforts of the Federal Government and the private insurance industry.

National Geodetic Vertical Datum (NGVD) of 1929 as corrected in 1929

A vertical control used as a reference for establishing varying elevations within the floodplain.

New Construction

Start of construction commencing on or after the effective date of a floodplain management regulation adopted by a community and including any subsequent improvements to the structures.

New Manufactured Home Park or Subdivision

A manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including at a minimum, the installation of utilities, the construction of streets, and either final site grading or the pouring of concrete pads) is completed on or after May 24, 1974.

Non-boundary river floodway

The floodway of any river or stream other than a boundary river.

North American Vertical Datum of 1988 (NAVD 88) as adopted in 1993

A vertical control datum used as a reference for establishing varying elevations within the floodplain.

Obstruction

Includes, but is not limited to, any dam, wall, wharf, embankment, levee, dike, pile, abutment, protection, excavation, canalization, bridge, conduit, culvert, building, wire, fence, rock, gravel, refuse, fill, structure, vegetation, or other material in, along, across or projecting into any watercourse which may alter, impede, retard or change the direction and/or velocity of the flow of water; or due to its location, its propensity to snare or collect debris carried by the flow of water, or its likelihood of being carried downstream.

One-Percent Annual Chance Flood

A flood that has a one percent (1%) chance of being equaled or exceeded in any given year. Any flood zone that begins with the letter A is subject to the one-percent annual chance flood (see "Regulatory Flood").

Physical Map Revision (PMR)

An official republication of a community's FEMA map to effect changes to base (1-percent annual chance) flood elevations, floodplain boundary delineations, regulatory floodways, and planimetric features. These changes typically occur as a result of structural works or improvements, annexations resulting in additional flood hazard areas, or correction to base flood elevations or SFHAs.

Public Safety and Nuisance

Anything which is injurious to the safety or health of an entire community, neighborhood or any considerable number of persons, or unlawfully obstructs the free passage or use, in the customary manner, of any navigable lake, or river, bay, stream, canal, or basin.

Recreational Vehicle

A vehicle which is (1) built on a single chassis; (2) 400 square feet or less when measured at the largest horizontal projections; (3) designed to be self-propelled or permanently towable by a light duty truck; and (4) designed primarily not for use as a permanent dwelling, but as quarters for recreational camping, travel, or seasonal use.

Regular Program

The phase of the community's participation in the NFIP where more comprehensive floodplain management requirements are imposed and higher amounts of insurance are available based upon risk zones and elevations determined in a FIS.

Regulatory Flood

A flood having a one percent (1%) chance of being equaled or exceeded in any given year, as calculated by a method and procedure that is acceptable to and approved by the Indiana Department of Natural Resources and the Federal Emergency Management Agency. The regulatory flood elevation at any location is as defined in this section (§157.412). The "Regulatory Flood" is also known by the term "Base Flood", "One-Percent Annual Chance Flood", and "100-Year Flood".

Repetitive loss

Flood-related damages sustained by a structure on two separate occasions during a 10-year period for which the cost of repairs at the time of each such flood event, on the average, equaled or exceeded 25% of the market value of the structure before the damage occurred.

Section 1316

That section of the National Flood Insurance Act of 1968, as amended, which states that no new flood insurance coverage shall be provided for any property that the Administrator finds has been declared by a duly constituted state or local zoning authority or other authorized public body to be in violation of state or local laws, regulations, or ordinances that intended to discourage or otherwise restrict land development or occupancy in flood-prone areas.

Special Flood Hazard Area (SFHA)

Those lands within the jurisdiction of the City subject to inundation by the regulatory flood. The SFHAs of the City of Fort Wayne are generally identified as such on the Flood Insurance Rate Map of Allen County, Indiana dated August 3, 2009 as well as any future updates, amendments, or revisions, prepared by the Federal Emergency Management Agency with the most recent date. (These areas are shown on a FIRM as Zone A, AE, A1- A30, AH, AR, A99, or AO).

Start of Construction

Includes substantial improvement, and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, or improvement was within 180 days of the permit date. The actual start means either the first placement of permanent construction of a structure on a site, such as the pouring of a slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation; or the placement of a manufactured home on a foundation. Permanent construction does not include land preparation, such as clearing, grading and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for a basement, footings, piers, foundations, or the erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not part of the main structure. For a substantial improvement, the actual start of construction means the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not that alteration affects the external dimensions of the building.

Structure

A structure that is principally above ground and is enclosed by walls and a roof. The term includes a gas or liquid storage tank, a manufactured home, or a prefabricated building. The term also includes recreational vehicles to be installed on a site for more than 180 days.

Substantial Damage

Damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.

Substantial Improvement

Any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure before the "start of construction" of the improvement. This term includes structures that have incurred "repetitive loss" or "substantial damage" regardless of the actual repair work performed. The term does not include improvements of structures to correct existing violations of state or local health, sanitary, or safety code requirements or any alteration of a "historic structure", provided that the alteration will not preclude the structures continued designation as a "historic structure".

Suspension

The removal of a participating community from the NFIP because the community has not enacted and/or enforced the proper floodplain management regulations required for participation in the NFIP.

Variance

A grant of relief from the requirements of this section, which permits construction in a manner otherwise prohibited by this section where specific enforcement would result in unnecessary hardship.

Violation

The failure of a structure or other development to be fully compliant with this section. A structure or other development without the elevation, other certification, or other evidence of compliance required in this section is presumed to be in violation until such time as that documentation is provided.

Watercourse

A lake, river, creek, stream, wash, channel or other topographic feature on or over which waters flow at least periodically. Watercourse includes specifically designated areas in which substantial flood damage may occur.

X Zone

The area where the flood hazard is less than that in the SFHA. Shaded X zones shown on recent FIRMs (B zones on older FIRMs) designate areas subject to inundation by the flood with a 0.2 percent chance of being equaled or exceeded (the 500-year flood). Unshaded X zones (C zones on older FIRMs) designate areas where the annual exceedance probability of flooding is less than 0.2 percent.

Zone

A geographical area shown on a FIRM that reflects the severity or type of flooding in the area.

Zone A (see "A Zone")

Zone B, C, and X

Areas identified in the community as areas of moderate or minimal hazard from the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Flood insurance is available in participating communities but is not required by regulation in these zones. (Zone X is used on new and revised maps in place of Zones B and C.)

(C) General Provisions

(1) Lands to Which This Section Applies

This section shall apply to all SFHAs and known flood prone areas within the jurisdiction of the City of Fort Wayne.

(2) Basis for Establishing Regulatory Flood Data

This section's protection standard is the regulatory flood. The best available regulatory flood data is listed below.

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- (a) The regulatory flood elevation, floodway, and fringe limits for the studied SFHAs within the jurisdiction of the City of Fort Wayne shall be as delineated on the one-percent annual chance flood profiles in the Flood Insurance Study of Allen County, Indiana and Incorporated Areas dated August 3, 2009 and the corresponding Flood Insurance Rate Map dated August 3, 2009 as well as any future updates, amendments, or revisions, prepared by the Federal Emergency Management Agency with the most recent date.
 - (b) The regulatory flood elevation, floodway, and fringe limits for each of the unstudied SFHAs, or studied SFHAs without a published floodway, within the jurisdiction of the City of Fort Wayne, delineated as an "A Zone" or an "AE Zone" on the Allen County, Indiana and Incorporated Areas Flood Insurance Rate Map dated August 3, 2009 as well as any future updates, amendments, or revisions, prepared by the Federal Emergency Management Agency with the most recent date, shall be according to the best data available as provided by the Indiana Department of Natural Resources; provided the upstream drainage area from the subject site is greater than one square mile. Whenever a party disagrees with the best available data, the party needs to replace existing data with better data that meets current engineering standards. To be considered, this data must be submitted to the Indiana Department of Natural Resources for review and subsequently approved
 - (c) In the absence of a published FEMA map, or absence of identification on a FEMA map, the regulatory flood elevation, floodway, and fringe limits of any watercourse in the community's known flood prone areas shall be according to the best data available as provided by the Indiana Department of Natural Resources; provided the upstream drainage area from the subject site is greater than one square mile.
 - (d) Upon issuance of a Letter of Final Determination (LFD), any more restrictive data in the new (not yet effective) mapping/study shall be utilized for permitting and construction (development) purposes, replacing all previously effective less restrictive flood hazard data provided by FEMA.

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(3) Establishment of Floodplain Development Permit

A Floodplain Development Permit shall be required in conformance with the provisions of this section prior to the commencement of any development activities in areas of special flood hazard.

(4) Compliance

No structure shall hereafter be located, extended, converted or structurally altered within the SFHA without full compliance with the terms of this section and other applicable regulations. No land or stream within the SFHA shall hereafter be altered without full compliance with the terms of this section and other applicable regulations.

(5) Abrogation and Greater Restrictions

This section is not intended to repeal, abrogate, or impair any existing easements, covenants, or deed restrictions. However, where this section and another conflict or overlap, whichever imposes the more stringent restrictions shall prevail.

(6) Discrepancy between Mapped Floodplain and Actual Ground Elevations

- (a) In cases where there is a discrepancy between the mapped floodplain (SFHA) on the FIRM and the actual ground elevations, the elevation provided on the profiles shall govern.
- (b) If the elevation of the site in question is below the base flood elevation, that site shall be included in the SFHA and regulated accordingly.
- (c) If the elevation (natural grade) of the site in question is above the base flood elevation

and not located within the floodway, that site shall be considered outside the SFHA and the floodplain regulations will not be applied. The property owner shall be advised to apply for a LOMA.

(7) Interpretation

In the interpretation and application of this section all provisions shall be:

- (a) Considered as minimum requirements.
- (b) Liberally construed in favor of the governing body.
- (c) Deemed neither to limit nor repeal any other powers granted under state statutes.

(8) Warning and Disclaimer of Liability

The degree of flood protection required by this section is considered reasonable for regulatory purposes and is based on available information derived from engineering and scientific methods of study. Larger floods can and will occur on rare occasions. Therefore, this section does not create any liability on the part of the City of Fort Wayne, the Indiana Department of Natural Resources, or the State of Indiana, for any flood damage that results from reliance on this section or any administrative decision made lawfully thereunder.

(9) Penalties for Violation

Failure to obtain a Floodplain Development Permit in the SFHA or failure to comply with the requirements of a Floodplain Development Permit or conditions of a variance shall be deemed to be a violation of this section. All violations shall be considered a common nuisance and be treated as such in accordance with the provisions of the Zoning Code for the City of Fort Wayne. All violations shall be punishable by a fine not exceeding \$ 2,500.00.

- (a) A separate offense shall be deemed to occur for each day the violation continues to exist.
- (b) The City of Fort Wayne Plan Commission shall inform the owner that any such violation is considered a willful act to increase flood damages and therefore may cause coverage by a Standard Flood Insurance Policy to be suspended.
- (c) Nothing herein shall prevent the City from taking such other lawful action to prevent or remedy any violations. All costs connected therewith shall accrue to the person or persons responsible.

(D) Administration

(1) Designation of Administrator

The Fort Wayne Plan Commission of the City of Fort Wayne hereby appoints the Fort Wayne Zoning Administrator to administer and implement the provisions of this section and is herein referred to as the Floodplain Administrator.

(2) Permit Procedures

Application for a Floodplain Development Permit shall be made to the Floodplain Administrator on forms furnished by him or her prior to any development activities, and may include, but not be limited to, the following: plans in duplicate drawn to scale showing the nature, location, dimensions, and elevations of the area in question; existing or proposed structures, earthen fill, storage of materials or equipment, drainage facilities, and the location of the foregoing. Specifically the following information is required:

(a) Application Stage

- (i) A description of the proposed development.
- (ii) Location of the proposed development sufficient to accurately locate property and structure(s) in relation to existing roads and streams.

- (iii) A legal description of the property site.
- (iv) A site development plan showing existing and proposed development locations and existing and proposed land grades.
- (v) Elevation of the top of the planned lowest floor (including basement) of all proposed buildings. Elevation should be in NAVD 88 or NGVD.
- (vi) Elevation (in NAVD 88 or NGVD) to which any non-residential structure will be floodproofed.
- (vii) Description of the extent to which any watercourse will be altered or relocated as a result of proposed development. A hydrologic and hydraulic engineering study is required and any watercourse changes submitted to DNR for approval and then to FEMA as a Letter of Map Revision. (See §157.412(D)(3)(f)).

(b) Construction Stage

Upon establishment of the lowest floor of an elevated structure or structure constructed on fill, it shall be the duty of the applicant to submit to the Floodplain Administrator a certification of the NAVD 88 or direct supervision of a registered land surveyor or professional engineer and certified by the same. The Floodplain Administrator shall review the lowest floor elevation survey data submitted. The applicant shall correct deficiencies detected by such review before any further work is allowed to proceed. Failure to submit the survey or failure to make said corrections required hereby shall be cause to issue a stop-work order for the project. Any work undertaken prior to submission of the elevation certification shall be at the applicant's risk.

(c) Finished Construction

Upon completion of construction, an elevation certification (FEMA Elevation Certificate Form 81-31 or any future updates) which depicts the "as-built" lowest floor elevation is required to be submitted to the Floodplain Administrator. If the project includes a floodproofing measure, floodproofing certification (FEMA Floodproofing Certificate Form 81-65 or any future updates) is required to be submitted by the applicant to the Floodplain Administrator.

(3) Duties and Responsibilities of the Floodplain Administrator

The Floodplain Administrator and/or designated staff is hereby authorized and directed to enforce the provisions of this section. The administrator is further authorized to render interpretations of this section, which are consistent with its spirit and purpose. Duties and responsibilities of the Floodplain Administrator shall include, but are not limited to:

- (a) Review all floodplain development permits to assure that the permit requirements of this section have been satisfied.
- (b) Inspect and inventory damaged structures in the SFHA and complete substantial damage determinations.
- (c) Ensure that construction authorization has been granted by the Indiana Department of Natural Resources for all development projects subject to §157.412(E)(5) and (7)(a) of this section, and maintain a record of such authorization (either copy of actual permit/authorization or floodplain analysis/regulatory assessment).
- (d) Ensure that all necessary federal or state permits have been received prior to issuance of the local floodplain development permit. Copies of such permits/authorizations are to be maintained on file with the floodplain development permit.
- (e) Maintain and track permit records involving additions and improvements to

residences located in the floodway.

- (f) Notify adjacent communities and the State Floodplain Coordinator prior to any alteration or relocation of a watercourse, and submit copies of such notifications to FEMA.
- (g) Maintain for public inspection and furnish upon request local permit documents, damaged structure inventories, substantial damage determinations, regulatory flood data, SFHA maps, Letters of Map Change (LOMC), copies of DNR permits, letters of authorization, and floodplain analysis and regulatory assessments (letters of recommendation), federal permit documents, and "as-built" elevation and floodproofing data for all buildings constructed subject to this section.
- (h) Utilize and enforce all Letters of Map Change (LOMC) or Physical Map Revisions (PMR) issued by FEMA for the currently effective SFHA maps of the community.
- (i) Assure that maintenance is provided within the altered or relocated portion of said watercourse so that the flood-carrying capacity is not diminished.
- (j) Review certified plans and specifications for compliance.
- (k) Verify and record the actual elevation of the lowest floor (including basement) of all new or substantially improved structures, in accordance with §157.412(D)(2).
- (l) Verify and record the actual elevation to which any new or substantially improved structures have been floodproofed in accordance with §157.412(D)(2).
- (m) Stop Work Orders
 - (i) Upon notice from the floodplain administrator, work on any building, structure or premises that is being done contrary to the provisions of this section shall immediately cease.
 - (ii) Such notice shall be in writing and shall be given to the owner of the property, or to his agent, or to the person doing the work, and shall state the conditions under which work may be resumed.
- (n) Revocation of Permits
 - (i) The floodplain administrator may revoke a permit or approval, issued under the provisions of the section, in cases where there has been any false statement or misrepresentation as to the material fact in the application or plans on which the permit or approval was based.
 - (ii) The floodplain administrator may revoke a permit upon determination by the floodplain administrator that the construction, erection, alteration, repair, moving, demolition, installation, or replacement of the structure for which the permit was issued is in violation of, or not in conformity with, the provisions of this section.

(E) Provisions for Flood Hazard Reduction

(1) General Standards

In all SFHAs and known flood prone areas the following provisions are required:

- (a) New construction and substantial improvements shall be anchored to prevent flotation, collapse or lateral movement of the structure.
- (b) Manufactured homes shall be anchored to prevent flotation, collapse, or lateral movement. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. This standard shall be in addition to and consistent with applicable state requirements for resisting wind forces.
- (c) New construction and substantial improvements shall be constructed with materials

and utility equipment resistant to flood damage below the FPG.

- (d) New construction and substantial improvements shall be constructed by methods and practices that minimize flood damage.
- (e) Electrical, heating, ventilation, plumbing, air conditioning equipment, utility meters, and other service facilities shall be located at/above the FPG or designed so as to prevent water from entering or accumulating within the components below the FPG. Water and sewer pipes, electrical and telephone lines, submersible pumps, and other waterproofed service facilities may be located below the FPG.
- (f) New and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system.
- (g) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the system.
- (h) On site waste disposal systems shall be located and constructed to avoid impairment to them or contamination from them during flooding.
- (i) Any alteration, repair, reconstruction or improvements to a structure that is in compliance with the provisions of this section shall meet the requirements of "new construction" as contained in this section.
- (j) Whenever any portion of the SFHA is authorized for use, the volume of space which will be occupied by the authorized fill or structure below the BFE shall be compensated for and balanced by an equivalent volume of excavation taken below the BFE. The excavation volume shall be at least equal to the volume of storage lost (replacement ratio of 1 to 1) due to the fill or structure.
 - (i) The excavation shall take place in the floodplain and in the same property in which the authorized fill or structure is located.
 - (ii) Under certain circumstances, the excavation may be allowed to take place outside of but adjacent to the floodplain provided that the excavated volume will be below the regulatory flood elevation, will be in the same property in which the authorized fill or structure is located, will be accessible to the regulatory flood water, will not be subject to ponding when not inundated by flood water, and that it shall not be refilled.
 - (iii) The excavation shall provide for true storage of floodwater but shall not be subject to ponding when not inundated by flood water.
 - (iv) The fill or structure shall not obstruct a drainage way leading to the floodplain.
 - (v) The grading around the excavation shall be such that the excavated area is accessible to the regulatory flood water.
 - (vi) The fill or structure shall be of a material deemed stable enough to remain firm and in place during periods of flooding and shall include provisions to protect adjacent property owners against any increased runoff or drainage resulting from its placement.
 - (vii) Plans depicting the areas to be excavated and filled shall be submitted prior to the actual start of construction or any site work; once site work is complete, but before the actual start of construction, the applicant shall provide to the Floodplain Administrator a certified survey of the excavation and fill sites demonstrating the fill and excavation comply with this article.
- (k) Exceptions to compensation requirements

- (i) For primary buildings of up to 400 square feet, or accessory buildings or structures of up to 400 square feet, no compensatory storage shall be required;
- (ii) As of the effective date of this section, the following amounts of fill shall be permitted on a lot: on lots of over one acre, up to 40 cubic yards shall be permitted; on lots between $\frac{3}{4}$ and one acre, up to 30 cubic yards shall be permitted; on lots between $\frac{1}{2}$ and $\frac{3}{4}$ acre, up to 20 cubic yards shall be permitted; on lots between $\frac{1}{4}$ and $\frac{1}{2}$ acre, up to 10 cubic yards shall be permitted, and on lots of up to $\frac{1}{4}$ acre, up to 5 cubic yards shall be permitted, provided that:
- [A] No fill shall be placed within 10 feet of a side lot line;
- [B] No fill shall be placed within 15 feet of a front or rear lot line;
- [C] No fill shall be placed within 50 feet outside a floodway boundary as shown on the FIRM map; and
- [D] No fill shall be placed in such a way so as to obstruct flood water or divert it onto an adjacent property (as in the construction of a levee or dike).
- (iii) Fill placed for: public flood control improvement projects (including a dike or levee); public transportation facilities; or utility collection or transmission lines as permitted in § 157.412(E)(1) above. A request for a non-public flood control improvement project, including a dike or levee, or a private request to place over 40 cubic yards of non-compensatory storage fill in the floodway fringe, shall require approval of a Special Use by the Board of Zoning Appeals, subject to the applicant verifying that the fill as placed can withstand a regulatory flood flooding event.

(2) Specific Standards

In all SFHAs, the following provisions are required:

- (a) In addition to the requirements of §157.412(E)(1), all structures to be located in the SFHA shall be protected from flood damage below the FPG. This building protection requirement applies to the following situations:
- (i) Construction or placement of any structure having a floor area greater than 400 square feet.
- (ii) Addition or improvement made to any existing structure where the cost of the addition or improvement equals or exceeds 50% of the value of the existing structure (excluding the value of the land).
- (iii) Reconstruction or repairs made to a damaged structure where the costs of restoring the structure to its before damaged condition equals or exceeds 50% of the market value of the structure (excluding the value of the land) before damage occurred.
- (iv) Installing a travel trailer or recreational vehicle on a site for more than 180 days.
- (v) Installing a manufactured home on a new site or a new manufactured home on an existing site. This section does not apply to returning the existing manufactured home to the same site it lawfully occupied before it was removed to avoid flood damage.
- (vi) Reconstruction or repairs made to a repetitive loss structure.

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5 (b) Residential Structures

New construction or substantial improvement of any residential structure (or manufactured home) shall have the lowest floor; including basement, at or above the FPG (two feet above the base flood elevation). Should solid foundation perimeter walls be used to elevate a structure, openings sufficient to facilitate the unimpeded movements of floodwaters shall be provided in accordance with the standards of §157.412(E)(2)(d).

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10 (c) Non-Residential Structures

New construction or substantial improvement of any commercial, industrial, or non-residential structure (or manufactured home) shall either have the lowest floor, including basement, elevated to or above the FPG (two feet above the base flood elevation) or be floodproofed to or above the FPG. Should solid foundation perimeter walls be used to elevate a structure, openings sufficient to facilitate the unimpeded movements of floodwaters shall be provided in accordance with the standards of §157.412(E)(2)(d). Structures located in all "A Zones" may be floodproofed in lieu of being elevated if done in accordance with the following:

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- (i) A Registered Professional Engineer or Architect shall certify that the structure has been designed so that below the FPG, the structure and attendant utility facilities are watertight and capable of resisting the effects of the regulatory flood. The structure design shall take into account flood velocities, duration, rate of rise, hydrostatic pressures, and impacts from debris or ice. Such certification shall be provided to the floodplain administrator as set forth in §157.412(D)(3)(l).
 - (ii) Floodproofing measures shall be operable without human intervention and without an outside source of electricity.

(d) Elevated Structures

New construction or substantial improvements of elevated structures shall have the lowest floor at or above the FPG. Elevated structures with fully enclosed areas formed by foundation and other exterior walls below the flood protection grade shall be designed to preclude finished living space and designed to allow for the entry and exit of floodwaters to automatically equalize hydrostatic flood forces on exterior walls. Designs must meet the following minimum criteria:

- (i) Provide a minimum of two openings located in a minimum of two exterior walls (having a total net area of not less than one square inch for every one square foot of enclosed area).
- (ii) The bottom of all openings shall be no more than one foot above the exterior grade or the interior grade immediately beneath each opening, whichever is higher.
- (iii) Openings may be equipped with screens, louvers, valves or other coverings or devices provided they permit the automatic flow of floodwaters in both directions.
- (iv) Access to the enclosed area shall be the minimum necessary to allow for parking of vehicles (garage door) or limited storage of maintenance equipment used in connection with the premises (standard exterior door) or entry to the living area (stairway or elevator).
- (v) The interior portion of such enclosed area shall not be partitioned or finished into separate rooms.

- 1 (vi) The interior grade of such enclosed area shall be at an elevation at or higher
2 than the exterior grade.
- 3 (vii) Openings are to be not less than 3 inches in any direction in the plane of the
4 wall. This requirement applies to the hole in the wall, excluding any device
5 that may be inserted such as typical foundation air vent device.
- 6 (viii) Property owners shall be required to execute and record with the structure's
7 deed a non-conversion agreement declaring that the area below the lowest
8 floor (where the interior height of the enclosure exceeds 6 feet) shall not be
9 improved, finished or otherwise converted; the community will have the
10 right to inspect the enclosed area. The non-conversion agreement shall be
11 recorded in the office of the Allen County Recorder.

12 (e) Structures Constructed on Fill

13 A residential or nonresidential structure may be constructed on a permanent land
14 fill in accordance with the following:

- 15 (i) The fill shall be placed in layers no greater than 1 foot deep before
16 compacting to 95% of the maximum density obtainable with either the
17 Standard or Modified Proctor Test method. The results of the test showing
18 compliance shall be retained in the permit file.
- 19 (ii) The fill shall extend five (5) feet beyond the foundation of the structure
20 before sloping below the BFE.
- 21 (iii) The fill shall be protected against erosion and scour during flooding by
22 vegetative cover, riprap, or bulk heading. If vegetative cover is used, the
23 slopes shall be no steeper than 3 horizontal to 1 vertical.
- 24 (iv) The fill shall not adversely affect the flow of surface drainage from or onto
25 neighboring properties.
- 26 (v) The top of the lowest floor including basements shall be at or above the
27 FPG.

28 (f) Standards for Manufactured Homes and Recreational Vehicles

29 Manufactured homes and recreational vehicles to be installed or substantially
30 improved on a site for more than 180 days must meet one of the following
requirements:

- 1 (i) These requirements apply to all manufactured homes to be placed on a site
2 outside a manufactured home park or subdivision; in a new manufactured
3 home park or subdivision; in an expansion to an existing manufactured
4 home park or subdivision; or in an existing manufactured home park or
5 subdivision on which a manufactured home has incurred "substantial
6 damage" as a result of a flood:
- 7 [A] The manufactured home shall be elevated on a permanent
8 foundation such that the lowest floor shall be at or above the FPG
9 and securely anchored to an adequately anchored foundation system
10 to resist flotation, collapse, and lateral movement.
- 11 [B] Fully enclosed areas formed by foundation and other exterior walls
12 below the FPG shall be designed to preclude finished living space
13 and designed to allow for the entry and exit of floodwaters to
14 automatically equalize hydrostatic flood forces on exterior walls as
15 required for elevated structures in §157.412(E)(2)(d).
- 16 (ii) Flexible skirting and rigid skirting not attached to the frame or foundation of

a manufactured home are not required to have openings.

- (iii) These requirements apply to all manufactured homes to be placed on a site in an existing manufactured home park or subdivision that has not been substantially damaged by a flood:

[A] The manufactured home shall be elevated so that the lowest floor of the manufactured home chassis is supported by reinforced piers or other foundation elevations that are no less than 36 inches in height above grade and be securely anchored to an adequately anchored foundation system to resist flotation, collapse, and lateral movement.

[B] Fully enclosed areas formed by foundation and other exterior walls below the FPG shall be designed to preclude finished living space and designed to allow for the entry and exit of floodwaters to automatically equalize hydrostatic flood forces on exterior walls as required for elevated structures in §157.412(E)(2)(d).

- (iv) Recreational vehicles placed on a site shall either:

[A] Be on site for less than 180 days;

[B] Be fully licensed and ready for highway use (defined as being on its wheels or jacking system, is attached to the site only by quick disconnect type utilities and security devices, and has no permanently attached additions); or

[C] Meet the requirements for "manufactured homes" as stated earlier in this section.

(g) Accessory Structures

Relief to the elevation or dry floodproofing standards may be granted for accessory structures. Such structures must meet the following standards:

(i) Shall not be used for human habitation.

(ii) Shall be constructed of flood resistant materials.

(iii) Shall be constructed and placed on the lot to offer the minimum resistance to the flow of floodwaters.

(iv) Shall be firmly anchored to prevent flotation.

(v) Service facilities such as electrical and heating equipment shall be elevated or floodproofed to or above the FPG.

(vi) Shall be designed to allow for the entry and exit of floodwaters to automatically equalize hydrostatic flood forces on exterior walls as required for elevated structures in §157.412(E)(2)(d).

(h) Above Ground Gas or Liquid Storage Tanks

All above ground gas or liquid storage tanks shall be anchored to prevent flotation or lateral movement.

(3) Standards for Subdivision Proposals

(a) All subdivision proposals shall be consistent with the need to minimize flood damage.

(b) All subdivision proposals shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize flood damage.

(c) All subdivision proposals shall have adequate drainage provided to reduce exposure

1 to flood hazards.

- 2 (d) Base flood elevation data shall be provided for subdivision proposals and other
3 proposed development (including manufactured home parks and subdivisions), which
4 is greater than the lesser of fifty (50) lots or five (5) acres.
- 5 (e) All subdivision proposals shall minimize development in the SFHA and/or limit
6 density of development permitted in the SFHA.
- 7 (f) All subdivision proposals shall ensure safe access into/out of SFHA for pedestrians
8 and vehicles (especially emergency responders).

9 (4) Critical Facility

10 Construction of new critical facilities shall be, to the extent possible, located outside the limits of
11 the SFHA. Construction of new critical facilities shall be permissible within the SFHA if no
12 feasible alternative site is available. Critical facilities constructed within the SFHA shall have the
13 lowest floor elevated to or above the FPG at the site. Floodproofing and sealing measures must be
14 taken to ensure that toxic substances will not be displaced by or released into floodwaters. Access
15 routes elevated to or above the FPG shall be provided to all critical facilities to the extent possible.

16 (5) Standards for Identified Floodways

- 17 (a) Located within SFHAs, established in §157.412(C)(2), are areas designated as
18 floodways. The floodway is an extremely hazardous area due to the velocity of
19 floodwaters, which carry debris, potential projectiles, and has erosion potential. If the
20 site is in an identified floodway, the Floodplain Administrator shall require the
21 applicant to forward the application, along with all pertinent plans and specifications,
22 to the Indiana Department of Natural Resources and apply for a permit for
23 construction in a floodway. Under the provisions of IC 14-28-1 a permit for
24 construction in a floodway from the Indiana Department of Natural Resources is
25 required prior to the issuance of a local building permit for any excavation, deposit,
26 construction, or obstruction activity located in the floodway. This includes land
27 preparation activities such as filling, grading, clearing and paving etc. undertaken
28 before the actual start of construction of the structure. However, it does exclude non-
29 substantial additions/improvements to existing (lawful) residences in a non-boundary
30 river floodway. (IC 14-28-1-26 allows construction of a non-substantial
addition/improvement to a residence in a non-boundary river floodway without
obtaining a permit for construction in the floodway from the Indiana Department of
Natural Resources. Please note that if fill is needed to elevate an addition above the
existing grade, prior approval for the fill is required from the Indiana Department of
Natural Resources.)
- (b) No action shall be taken by the Floodplain Administrator until a permit or letter of
authorization (when applicable) has been issued by the Indiana Department of Natural
Resources granting approval for construction in the floodway. Once a permit for
construction in a floodway or letter of authorization has been issued by the Indiana
Department of Natural Resources, the Floodplain Administrator may issue the local
Floodplain Development Permit, provided the provisions contained in §157.412(E) of
this section have been met. The Floodplain Development Permit cannot be less
restrictive than the permit for construction in a floodway issued by the Indiana
Department of Natural Resources. However, a community's more restrictive
regulations (if any) shall take precedence.
- (c) No development shall be allowed, which acting alone or in combination with existing
or future development, that will adversely affect the efficiency of, or unduly restrict
the capacity of the floodway. This adverse effect is defined as an increase in the
elevation of the regulatory flood of at least fifteen-hundredths (0.15) of a foot as
determined by comparing the regulatory flood elevation under the project condition to

that under the natural or pre-floodway condition as proven with hydraulic analyses.

- (d) For all projects involving channel modifications or fill (including levees) the City shall submit the data and request that the Federal Emergency Management Agency revise the regulatory flood data per mapping standard regulations found at 44 CFR

§65.12.

(6) Standards for Identified Fringe

If the site is located in an identified fringe, then the Floodplain Administrator may issue the local Floodplain Development Permit provided the provisions contained in §157.412(E) of this section have been met. The key provision is that the top of the lowest floor of any new or substantially improved structure shall be at or above the FPG.

(7) Standards for SFHAs without Established Base Flood Elevation and/or Floodways/ Fringes

- (a) Drainage area upstream of the site is greater than one square mile:

(i) If the site is in an identified floodplain where the limits of the floodway and fringe have not yet been determined, and the drainage area upstream of the site is greater than one square mile, the Floodplain Administrator shall require the applicant to forward the application, along with all pertinent plans and specifications, to the Indiana Department of Natural Resources for review and comment.

(ii) No action shall be taken by the Floodplain Administrator until either a permit for construction in a floodway (including letters of authorization) or a floodplain analysis/regulatory assessment citing the one-percent annual chance flood elevation and the recommended Flood Protection Grade has been received from the Indiana Department of Natural Resources.

(iii) Once the Floodplain Administrator has received the proper permit for construction in a floodway (including letters of authorization) or floodplain analysis/regulatory assessment approving the proposed development, a Floodplain Development Permit may be issued provided the conditions of the Floodplain Development Permit are not less restrictive than the conditions received from the Indiana Department of Natural Resources and the provisions contained in §157.412(E) of this section have been met.

- (b) Drainage area upstream of the site is less than one square mile:

(i) If the site is in an identified floodplain where the limits of the floodway and fringe have not yet been determined and the drainage area upstream of the site is less than one square mile, the Floodplain Administrator shall require the applicant to provide an engineering analysis showing the limits of the floodplain and one-percent annual chance flood elevation for the site.

(ii) Upon receipt, the Floodplain Administrator may issue the local Floodplain Development Permit, provided the provisions contained in §157.412(E) of this section have been met.

- (c) The total cumulative effect of the proposed development, when combined with all other existing and anticipated development, shall not increase the regulatory flood more than 0.14 of one foot and shall not increase flood damages or potential flood damages.

(8) Standards for Flood Prone Areas

All development in known flood prone areas not identified on FEMA maps, or where no FEMA published map is available, shall meet applicable standards as required per §157.412(E).

(F) Nonconforming Buildings and Structures

- (1) Any building or structure existing as of March 30, 1985 that does not conform to this section or that subsequently becomes nonconforming as a result of an amendment to this ordinance shall be considered a nonconforming building or structure.
- (2) Any nonconforming building or structure which is not in the floodway may be enlarged or improved at the existing grade and floor elevations, provided the addition or improvement does not constitute substantial improvement. Completion of the addition or improvement must be completed within 24 months from the date of the permit.
- (3) Any nonconforming building or structure in the floodway may be enlarged or improved at the existing grade and floor elevations, provided the addition or improvement does not constitute substantial improvement and shall meet the construction in the floodway requirement in §157.412(E)(5). Only one permit for an addition or improvement per building or structure is authorized by this section. Completion of the addition or improvement must be completed within 24 months from the date of the permit.
- (4) Any nonconforming building or structure may be repaired after a damage event, provided the repair does not constitute substantial improvement. For any proposed repair which constitutes substantial improvement, the addition or improvement shall conform to the applicable building protection standards in §157.412(E).

(G) Variance Procedures

(1) Designation of Variance and Appeals Board

The Board of Zoning Appeals shall hear and decide appeals and requests for variances from requirements of this section.

(2) Duties of Variance and Appeals Board

The Board shall hear and decide appeals when it is alleged an error in any requirement, decision, or determination is made by the Floodplain Administrator in the enforcement or administration of this section. Any person aggrieved by the decision of the board may appeal such decision to the Allen County Circuit or Superior Court.

(3) Variance Procedures

In passing upon such applications, the board shall consider all technical evaluations, all relevant factors, all standards specified in other sections of this section, and;

- (a) The danger of life and property due to flooding or erosion damage.
- (b) The susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner.
- (c) The importance of the services provided by the proposed facility to the community.
- (d) The necessity of the facility to a waterfront location, where applicable.
- (e) The availability of alternative locations for the proposed use which are not subject to flooding or erosion damage.
- (f) The compatibility of the proposed use with existing and anticipated development,
- (g) The relationship of the proposed use to the comprehensive plan and floodplain management program for that area.
- (h) The safety of access to the property in times of flood for ordinary and emergency vehicles.
- (i) The expected height, velocity, duration, rate of rise, and sediment of transport of the floodwaters at the site.
- (j) The costs of providing governmental services during and after flood conditions,

including maintenance and repair of public utilities and facilities such as sewer, gas, electrical, and water systems, and streets and bridges.

(4) Conditions for Variances

(a) Variances shall only be issued when there is:

- (i) A showing of good and sufficient cause.
- (ii) A determination that failure to grant the variance would result in exceptional hardship.
- (iii) A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, extraordinary public expense, create nuisances, cause fraud or victimization of the public, or conflict with existing laws or ordinances.

(b) No variance for a residential use within a floodway subject to §157.412(E)(5) or (7)(a) of this section may be granted.

(c) Any variance granted in a floodway subject to §157.412(E)(5) or (7)(a) of this section will require a permit from the Indiana Department of Natural Resources.

(d) Variances to the Provisions for Flood Hazard Reduction of §157.412(E)(2), may be granted only when a new structure is to be located on a lot of one-half acre or less in size, contiguous to and surrounded by lots with existing structures constructed below the flood protection grade.

(e) Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.

(f) Variances may be granted for the reconstruction or restoration of any structure individually listed on the National Register of Historic Places or the Indiana State Register of Historic Sites and Structures.

(g) Any applicant to whom a variance is granted shall be given written notice specifying the difference between the Flood Protection Grade and the elevation to which the lowest floor is to be built and stating that the cost of the flood insurance will be commensurate with the increased risk resulting from the reduced lowest floor elevation (see §157.412(G)(5)).

(h) The Floodplain Administrator shall maintain the records of appeal actions and report any variances to the Federal Emergency Management Agency or the Indiana Department of Natural Resources upon request (see §157.412(G)(5)).

(5) Variance Notification

(a) Any applicant to whom a variance is granted that allows the lowest floor of a structure to be built below the flood protection grade shall be given written notice over the signature of a community official that:

- (i) The issuance of a variance to construct a structure below the flood protection grade will result in increased premium rates for flood insurance up to amounts as high as \$25 for \$100 of insurance coverage; and;
- (ii) Such construction below the flood protection grade increases risks to life and property. A copy of the notice shall be recorded by the Floodplain Administrator in the Office of the County Recorder and shall be recorded in a manner so that it appears in the chain of title of the affected parcel of land.

(b) The Floodplain Administrator shall maintain a record of all variance actions, including justification for their issuance.

(6) Historic Structure

1 Variances may be issued for the repair or rehabilitation of "historic structures" upon a
2 determination that the proposed repair or rehabilitation will not preclude the structure's continued
3 designation as an "historic structure" and the variance is the minimum to preserve the historic character
4 and design of the structure.

5 (7) Special Conditions

6 Upon the consideration of the factors listed in §157.412(G), and the purposes of this section,
7 the Board of Zoning Appeals may attach such conditions to the granting of variances as it deems
8 necessary to further the purposes of this section.

9 (8) A development standards variance that was previously granted to construct a structure and the
10 structure is substantially damaged by a flood event as determined by the Zoning Administrator, shall be
11 deemed terminated and the structure shall only be repaired or rebuilt in conformance with the
12 provisions of this ordinance.

13 (H) Severability

14 If any section, clause, sentence, or phrase of this section is held to be invalid or unconstitutional by
15 any court of competent jurisdiction, then said holding shall in no way effect the validity of the
16 remaining portions of this section.

17 SECTION 3. That this Ordinance after its passage and approval by the Mayor, shall be in full
18 force and effect starting on August 8, 2018.

19 _____
20 Council Member

21 APPROVED AS TO FORM AND LEGALITY:

22 _____
23 Carol T. Helton, City Attorney