ORDINANCE 610

AN ORDINANCE BY THE MAYOR AND BOARD OF ALDERMEN OF THE CITY OF LONG BEACH, MISSISSIPPI, AMENDING ORDINANCE NUMBER 565, ADOPTED TO PROMOTE THE PUBLIC HEALTH, SAFETY AND GENERAL WELFARE AND TO MINIMIZE PUBLIC AND PRIVATE LOSSES DUE TO FLOOD CONDITIONS IN SPECIFIC AREAS BY ADOPTION OF FLOODPLAIN MANAGEMENT REGULATIONS, AND OTHER PURPOSES

WHEREAS, the Mayor and Board of Aldermen of the City of Long Beach, Mississippi, after having made due investigation, do now find, determine that

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

(2) These flood losses are caused by the cumulative effect of obstructions both inside and outside the identified Special Flood Hazard Areas causing increases in flood heights and velocities, and by the occupancy in flood hazard areas by uses vulnerable to floods or hazardous to other lands which are inadequately elevated, flood-proofed, or otherwise unprotected from flood damages.

WHEREAS, it is the purpose of this ordinance 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:

(1) 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 velocities;

(2) Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;

(3) Control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of flood waters;

(4) Control filling, grading, dredging and other development which may increase erosion or flood damage, and;

(5) Prevent or regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands.

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND BOARD OF ALDERMEN OF THE CITY OF LONG BEACH, MISSISSIPPI THAT ORDINANCE NUMBER 565 is hereby amended and restated in full as follows:

ORDINANCE NO. 610

FLOOD DAMAGE PREVENTION ORDINANCE

TABLE OF CONTENTS

ARTICLE 1. STATUTORY AUTHORIZATION, FINDINGS OF FACT, PURPOSE AND OBJECTIVES

Section A.	Statutory Authorization	3
Section B.	Findings of Fact	3
Section C.	Statement of Purpose	3
Section D.	Objectives	3
Section E.	Methods of Reducing Flood Losses	3

ARTICLE 2. DEFINITIONS 4

ARTICLE 3. GENERAL PROVISIONS

Section A.	Lands to Which This Ordinance Applies	11
Section B.	Basis for Establishing the Areas of Special Flood Hazard	11
Section C.	Use of Preliminary Flood Hazard Data	12
Section D.	Establishment of Floodplain Development Permit	12
Section E.	Compliance	12
Section F.	Abrogation and Greater Restrictions	12
Section G.	Interpretation	12
Section H.	Standard for X Zones (shaded/ unshaded)	12
Section I.	Repetitive Loss Structures	13
Section J.	Warning and Disclaimer of Liability	13
Section K.	Penalties for Violation	13

ARTICLE 4. ADMINISTRATION

Section A.	Designation of Flood Damage Prevention Ordinance Administrator	13
Section B.	Permit Procedures	13
Section C.	Powers, Duties and Responsibilities of the Floodplain Administrator	14

ARTICLE 5. PROVISIONS FOR FLOOD HAZARD REDUCTION

Section A.	General Standards	16
Section B.	Specific Standards	17
Section C.	Standards for Streams Without Base Flood Elevations and Floodways*	19
Section D.	Standards for Shallow Flooding Zones**	20
Section E.	Standards for Accessory Buildings in all Zones beginning with 'V' ***	20
Section F.	Standards for Subdivision Proposals and Other Proposed Development	20
Section G.	Coastal High Hazard Areas***	21
Section H.	Critical Facilities	23

ARTICLE 6. VARIANCE PROCEDURES

Section A.	Designation of Variance and Appeals Board	23
Section B.	Duties of Variance and Appeals Board	23
Section C.	Variance Procedures	23
Section D.	Conditions for Variances	24
Section E.	Variance Notification	24
Section F.	Historic Structures	24
Section G.	Special Conditions	24
Section H.	Floodway*	24

ARTICLE 7. SEVERABILITY 25

ARTICLE 8. EFFECTIVE DATE 25

FLOOD DAMAGE PREVENTION ORDINANCE

ARTICLE 1. STATUTORY AUTHORIZATION, FINDINGS OF FACT, PURPOSE AND OBJECTIVES.

SECTION A. STATUTORY AUTHORIZATION.

The Legislature of the State of Mississippi has in Title 17, Chapter 1, Mississippi Code 1972 Annotated delegated the responsibility to local government units to adopt regulations designed to promote the public health, safety, and general welfare of its citizenry. Therefore, the Mayor and Board of Alderman of the City of Long Beach does hereby adopt the following floodplain management regulations.

SECTION B. FINDINGS OF FACT.

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

(2) These flood losses are caused by the cumulative effect of obstructions both inside and outside the identified Special Flood Hazard Areas causing increases in flood heights and velocities, and by the occupancy in flood hazard areas by uses vulnerable to floods or hazardous to other lands which are inadequately elevated, flood-proofed, or otherwise unprotected from flood damages.

SECTION C. STATEMENT OF PURPOSE.

It is the purpose of this ordinance 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:

(1) 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 velocities;

(2) Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;

(3) Control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of flood waters;

(4) Control filling, grading, dredging and other development which may increase erosion or flood damage, and;

(5) Prevent or regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands.

SECTION D. OBJECTIVES.

The objectives of this ordinance are:

(1) To protect human life and health;

(2) To minimize expenditure of public money for costly flood control projects;

(3) To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;

(4) To minimize prolonged business interruptions;

(5) To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, street and bridges located in floodplains;

(6) 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, and;

(7) To ensure that potential homebuyers are notified that property is in a flood area.

SECTION E. METHODS OF REDUCING FLOOD LOSSES.

In order to accomplish its purposes, this ordinance includes methods and provisions for:

(1) Restricting or prohibiting uses which are dangerous to health, safety, and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities;

(2) Requiring that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;

(3) Controlling the alteration of natural floodplains, stream channels, and natural protective barriers, which help accommodate or channel flood waters;

(4) Controlling filling, grading, dredging, and other development which may increase flood damage; and,

(5) Preventing or regulating the construction of flood barriers that will unnaturally divert floodwaters or may increase flood hazards in other areas.

ARTICLE 2. DEFINITIONS.

Unless specifically defined below, words or phrases used in this ordinance shall be interpreted so as to give them the meaning they have in common usage and to give this ordinance it's most reasonable application.

A Zone is the Area of Special Flood Hazard without water surface elevations determined.

AE Zone is the Area of Special Flood Hazard with base flood elevations determined.

Accessory structure (Appurtenant structure) means a structure, which is located on the same parcel of property as the principle structure and the use of which is incidental to the use of the principle 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, carports, storage sheds, pole barns, and hay sheds.

Addition (to an existing building) means any walled and roofed expansion to the perimeter of a building 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.

AH zone is an area of 100-year shallow flooding where depths are between one to three feet (usually shallow ponding), with base flood elevations shown.

AO Zone is an area of one percent chance of shallow flooding where depths are between one to three feet (usually sheet flow on sloping terrain), with depth numbers shown.
Appeal means a request for a review of the floodplain administrator's interpretation of any provision of this ordinance or a request for a variance.

AR/A1 – A30, AR/AE, AR/AH, AR/AO, and AR/A zones are SFHAs that result from the decertification of a previously accredited flood protection system that is in the process of being restored to provide a 100-year or greater level of flood protection. After restoration is complete, these areas will still experience residual flooding from other flooding sources.

A99 Zone is that part of the SFHA inundated by the one percent chance flood to be protected from the one percent chance flood by a Federal flood protection system or levee under construction, no base flood elevations are determined.

Area of shallow flooding means a designated AO or AH Zone on the community's Flood Insurance Rate Map (FIRM) with 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.

Area of special flood hazard is the land in the floodplain within a community subject to a one- percent or greater chance of flooding in any given year.

Base flood means the flood having a one percent chance of being equaled or exceeded in any given year (also called the "100-year flood").

Base Flood Elevation (BFE) is the elevation shown on the Flood Insurance Rate Map (FIRM) for Zones AE, AH, A1-30, AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO, V1-V30, and VE that indicates the water surface elevation resulting from a flood that has a one percent or greater chance of being equaled or exceeded in any given year.

Basement means that portion of a building having its floor sub-grade (below ground level) on all sides.

Breakaway wall means a wall that is not part of the structural support of the building and is intended through its design and construction to collapse under specific lateral loading forces without causing damage to the elevated portion of the building or the supporting foundation system. This is associated with V Zone construction.

Building see **Structure.**

C and X (unshaded) zones are areas determined to be outside the 500-year floodplain.

Coastal AE Zone means the portion of the Special Flood Hazard Area (SFHA) landward of a Velocity (V) Zone or landward of an open coast or back-bay area without mapped V-Zones, in which the principle sources of flooding are astronomical tides, storm surges, seiches or tsunamis; not riverine sources. Coastal AE Zones may be subject to wave effects, velocity flows, erosion, scour or combinations of these forces and are treated as V Zones. All community-identified portions of the Special Flood Hazard Area (SFHA) between the landward limit of the 1.5-foot breaking wave and the V Zone boundary shall be treated in a regulatory sense as V Zones. Where no V Zone is mapped in back-bay areas, the Coastal AE Zone is the portion between shore and the landward limit of the 1.5-foot breaking wave.

Coastal high hazard area is an area of special flood hazard, extending from offshore to the inland limit of a primary frontal dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. The area is designated on the FIRM as Zone V1 – V30, VE or V.

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

Community Floodplain Management Map means any map produced by the community utilizing best available base flood elevation and floodway data that is from a federal, state, or other accepted technical source.

Community Rating System (CRS) is a program developed by the Federal Insurance Administration to provide incentives for those communities in the Regular Program that have gone beyond the minimum floodplain management requirements to develop extra measures to provide protection from flooding.

Critical facility (also called critical action) means facilities for which the effects of even a slight chance of flooding would be too great. The minimum floodplain of concern for critical facilities is the 0.2 percent chance flood level. Critical facilities include, but are not limited to facilities critical to the health and safety of the public such as: emergency operations centers, designated public shelters, schools, nursing homes, hospitals, police, fire and emergency response installations, vital data storage centers, power generation and water and other utilities (including related infrastructure such as principal points of utility systems) and installations which produce, use or store hazardous materials or hazardous waste (as defined under the Clean Water Act and other Federal statutes and regulations).

D zone is an area in which the flood hazard is undetermined.

Dam is any artificial barrier, including appurtenant works, constructed to impound or divert water, waste water, liquid borne materials, or solids that may flow if saturated. All structures necessary to maintain the water level in an impoundment or to divert a stream from its course will be considered a dam.

Development means any man-made change to improved or unimproved real estate, including, but not limited to, buildings or other structures, mining, dredging, filling, grading, paving, excavating, drilling operations, or storage of materials or equipment.

Dry Floodproofing means any combination of structural and nonstructural additions, changes, or adjustments to structures, which reduce or eliminate flood damages to real estate or improved real estate property, water, and sanitary facilities, structures, and their contents. Structures shall be floodproofed with a minimum of 12 inches of freeboard (more is recommended) in relation to the base flood elevation. Dry floodproofing of a pre-FIRM residential structure that has not been substantially damaged or improved is allowed. Dry floodproofing of a post-FIRM residential building is not allowed. Non-residential structures may be dry floodproofed in all flood zones with the exception of the Coastal High Hazard Area or the Coastal AE Zone.

Elevated building means for insurance purposes, a non-basement building which has its lowest elevated floor raised above ground level by foundation walls, shear walls, posts, piers, pilings, or columns.

Elevation Certificate is a certified statement that verifies a building's elevation information.

Emergency Program means 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 buildings in that community before the effective date of the initial FIRM.

Enclosure Below the Lowest Floor see "Lowest Floor."

Encroachment means the advance or infringement of uses, plant growth, fill, excavation, buildings, permanent structures or development into a floodplain, which may impede or alter the flow capacity of a floodplain.

Executive Order 11988 (Floodplain Management) was issued by President Carter in 1977. This order requires that no federally assisted activities be conducted in or have the potential to affect identified Special Flood Hazard Areas, unless there is no practicable alternative.

Executive Order 11990 (Wetlands Protection) this order requires the avoidance of adverse impacts associated with the destruction or modification of wetlands.

Existing Construction includes any structure for which the "start of construction" commenced before *JANUARY 1 1974.*

Existing manufactured home park or subdivision means 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 before the effective date of the floodplain management regulations adopted by ***City of Long Beach*** before *May 2, 1988.*

Expansion to an existing manufactured home park or subdivision includes 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).

Fill means a deposit of earth material placed by artificial means.

Five-Hundred Year Flood means the flood that has a 0.2 percent chance of being equaled or exceeded in any year. Areas subject to the 500-year flood have a moderate to low risk of flooding.

Flood or flooding means a general and temporary condition of partial or complete inundation of normally dry land areas from:

a.) The overflow of inland or tidal waters.

b.) The unusual and rapid accumulation or runoff of surface waters from any source.

c.) Mudslides which are proximately caused by flooding and are akin to a river of liquid and flowing mud on the surfaces of normally dry land areas, as when earth is carried by a current of water and deposited along the path of the current.

d.) The collapse or subsidence of land along the shore of a lake or other body of water as a result of erosion or undermining caused by waves or currents of water exceeding anticipated cyclical levels or suddenly caused by an unusually high water level in a natural body of water, accompanied by a severe storm, or by an unanticipated force of nature, such as flash flood or an abnormal tidal surge, or by some similarly unusual and unforeseeable event which results in flooding.

Flood (insurance definition) means a general and temporary condition of partial or complete inundation of two or more acres of normally dry land areas or of two or more properties (e.g. a building and a public street) from (1) overflow of inland or tidal waters (2) unusual and rapid accumulation or runoff of surface waters (3) mudflows caused by flooding.

Flood Insurance Rate Map (FIRM) means an official map of a community, on which FEMA has delineated both the areas of special flood hazard and the risk premium zones applicable to the community.

Flood Insurance Study (FIS) is the official hydraulic & hydrologic report provided by FEMA. The report contains flood profiles, as well as the FIRM, FHBM (where applicable) and the water surface elevation of the base flood.

Floodplain means any land area susceptible to being inundated by flood waters from any source.

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

Floodplain Administrator is the individual appointed to administer and enforce the floodplain management regulations.

Floodplain management regulations means this ordinance and other zoning ordinances, subdivision regulations, building codes, health regulations, special purpose ordinances, and other applications of police power which control development in flood-prone areas. This term describes federal, state or local regulations in any combination thereof, which provide standards for preventing and reducing flood loss and damage.

Floodproofing Certificate is a form used to certify compliance for non-residential structures as an alternative to elevating buildings to or above the BFE.

Floodway *See Regulatory Floodway*

Floodway fringe means that area of the floodplain on either side of the regulatory floodway where encroachment may be permitted without additional hydraulic and/or hydrologic analysis.

Flood Protection Elevation is the base flood elevation plus *1* feet of freeboard. In areas where no base flood elevations exist from any authoritative source, the flood protection elevation can be historical flood elevations, or base flood elevations determined and/or approved by the floodplain administrator.

Freeboard means 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.

Functionally dependent use means a use which cannot perform its intended purpose unless it is located or carried out in close proximity to water. The term includes only docking facilities, port facilities that are necessary for the loading and unloading of cargo or passengers, and ship building and ship repair facilities, but does not include long term storage or related manufacturing facilities.

Hardship (as related to variances of this ordinance) means the exceptional hardship that would result from a failure to grant the requested variance. The Mayor and Board of Alderman 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.

Hazard potential means the possible adverse incremental consequences that result from the release of water or stored contents due to failure of a dam or mis-operation of a dam or appurtenances. The hazard potential classification of a dam does not reflect in any way on the current condition of a dam and its appurtenant structures (e.g., safety, structural integrity, flood routing capacity).

High hazard dam means a class of dam in which failure may cause loss of life, serious damage to residential, industrial, or commercial buildings; or damage to, or disruption of, important public utilities or transportation facilities such as major highways or railroads. Dams which meet the statutory thresholds for regulation that are proposed for construction in established or proposed residential, commercial, or industrial areas will be assigned this classification, unless the applicant provides convincing evidence to the contrary. A development permit is required for a structure and any associated fill downstream from a dam at any location where flooding can be reasonably anticipated from principal or emergency spillway discharges, or from overtopping and failure of the dam.

Highest adjacent grade means the highest natural elevation of the ground surface, prior to construction, next to the proposed walls of a building.

Historic Structure means any structure that is:

a.) Listed individually in the National Register of Historic Places (a listing maintained by the Department of Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register:

b.) Certified or preliminarily determined by the Secretary of the Interior as contributing to the historical significance of a registered historic or a district preliminarily determined by the Secretary to qualify as a registered historic district:

c.) Individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the Secretary of the Interior; or

d.) Individually listed on a local inventory historic places in communities with historic preservation programs that have been certified either:

1. By an approved state program as determined by the Secretary of the Interior, or

2. Directly by the Secretary of the Interior in states without approved programs.

Hydrologic and hydraulic engineering analysis means an analysis performed by a professional engineer, registered in the State of Mississippi, in accordance with standard engineering practices as accepted by FEMA, used to determine flood elevations and / or floodway boundaries.

Increased Cost of Compliance (ICC) means the cost to repair a substantially flood damaged building that exceeds the minimal repair cost and that is required to bring a substantially damaged building into compliance with the local flood damage prevention ordinance. Acceptable mitigation measures are elevation, relocation, demolition, or any

combination thereof. All renewal and new business policies with effective dates on or after June 1, 1997, will include ICC coverage.

Letter of Map Change (LOMC) is an official FEMA determination, by letter, to amend or revise effective Flood Insurance Rate Maps, Flood Boundary and Floodway Maps, and Flood Insurance Studies. LOMC's are broken down into the following categories:

Letter of Map Amendment (LOMA)
A revision based on technical data showing that a property was incorrectly included in a designated SFHA. A LOMA amends the current effective FIRM and establishes that a specific property is not located in a SFHA.

Letter of Map Revision (LOMR)
A revision based on technical data that, usually due to manmade changes, shows changes to flood zones, flood elevations, floodplain and floodway delineations, and planimetric features. One common type of LORM, a LOMR-F, is a determination concerning whether a structure or parcel has been elevated by fill above the BFE and is, therefore, excluded from the SFHA.

Conditional Letter of Map Revision (CLOMR)
A formal review and comment by FEMA as to whether a proposed project complies with the minimum NFIP floodplain management criteria. A CLOMR does not amend or revise effective Flood Insurance Rate Maps, Flood Boundary and Floodway Maps, or Flood Insurance Studies.

Levee means a man-made structure; usually an earthen embankment designed and constructed in accordance with sound engineering practices to contain, control, or diverts the flow of water so as to provide protection from temporary flooding.

Levee system means a flood protection system which consists of a levee, or levees, and associated structures, such as closure and drainage devices, which are constructed and operated in accordance with sound engineering practices. For a levee system to be recognized, the following criteria must be met. All closure devices or mechanical systems for internal drainage, whether manual or automatic, must be operated in accordance with an officially adopted operation manual (a copy of which must be provided to FEMA by the operator when levee or drainage system recognition is being sought or revised). All operations must be under the jurisdiction of a Federal or State agency, an agency created by Federal or State law, or an agency of a community participating in the NFIP.

Limit of Moderate Wave Action (LiMWA) is the limit of the AE Zone category area exposed to wave attack from waves greater than 1.5 feet during the base (one percent chance) flood on open coastal and inland areas exposed to erosion and wave propagation. Base flood conditions between the VE Zone and the LiMWA will be similar to, but less severe than those in the VE Zone.

Low hazard dam means a class of dam in which failure would at the most result in damage to agricultural land, farm buildings (excluding residences), or minor roads.

Lowest adjacent grade means the elevation of the sidewalk, patio, deck support, or basement entryway immediately next to the structure and after the completion of construction. It does not include earth that is emplaced for aesthetic or landscape reasons around a foundation wall. It does include natural ground or properly compacted fill that comprises a component of a building's foundation system.

Lowest floor means the lowest floor of the lowest enclosed area (including basement). An unfinished or flood resistant enclosure, used solely for parking of vehicles, building access, or storage, in an area other than a basement, is not considered a building's lowest floor, *provided* that such enclosure is not built so as to render the structure in violation of the non-elevation provisions of this code.

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

Manufactured housing (24 CFR 3280.3 and 3285.5 definitions / HUD) means "...a structure, transportable in one or more sections, which in the traveling mode is 8 body feet or more in width or 40 body feet in length or which when erected on-site is 320 or more square feet, and which is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities."

Manufactured home park or subdivision means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

Map Panel Number is the four-digit number followed by a letter suffix assigned by FEMA on a flood map. The first four digits represent the map panel, and the letter suffix represents the number of times the map panel has been revised.

Map Amendment means a change to an effective NFIP map that results in the exclusion from the SFHA or an individual structure or a legally described parcel of land that has been inadvertently included in the SFHA (i.e., no

alterations of topography have occurred since the date of the first NFIP map that showed the structure or parcel to be within the SFHA.

Market value means the building value, excluding the land (as agreed 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.

Mean Sea Level means, for the purposes of the National Flood Insurance Program, the National Geodetic Vertical Datum (NGVD) of 1929, or other datum, to which base flood elevations shown on a community's Flood Insurance Rate Map (FIRM) are referenced.

National Flood Insurance Program (NFIP) is 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) as corrected in 1929 is a vertical control used as a reference for establishing varying elevations within the floodplain.

New Construction means a structure for which the start of construction commenced on or after the effective date of a floodplain management regulation adopted by a community and includes any subsequent improvements to such structure and any construction beginning on a new foundation system or construction beginning with existing foundation system and the raising of new walls.

New manufactured home park or subdivision means 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 the effective date of floodplain regulations adopted by a community.

Non-Residential means, but is not limited to; small business concerns, churches, schools, farm buildings (including grain bins and silos), pool houses, clubhouses, recreational buildings, mercantile structures, agricultural and industrial structures, warehouses, and hotels or motels with normal room rentals for less than 6 months duration.

North American Vertical Datum of 1988 means a vertical control, corrected in 1988, used as a reference for establishing varying elevations within the floodplain.

Obstruction means, but is not limited to, any dam, wall, wharf, embankment, levee, dike, pile, abutment, protection, excavation, channel construction, bridge, 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 Flood (aka 100-Year Flood) is the flood that has a one percent chance of being equaled or exceeded in any given year. Any flood zone that begins with the letter A or V is subject to inundation by the one percent chance flood. Over the life of a 30-year loan, there is a 26-percent chance of experiencing such a flood within the SFHA.

Participating Community is any community that voluntarily elects to participate in the NFIP by adopting and enforcing floodplain management regulations that are consistent with the standards of the NFIP.

Post-FIRM Construction means construction or substantial improvement that started on or after the effective date of the initial FIRM of the community or after December 31, 1974, whichever is later.

Pre-FIRM Construction means construction or substantial improvement, which started on or before December 31, 1974, or before the effective date of the initial FIRM of the community, whichever is later.

Probation is a means of formally notifying participating communities of violations and deficiencies in the administration and enforcement of the local floodplain management regulations.

Public safety and nuisance, anything which is injurious to safety or health of an entire community or 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 means a vehicle that is:

a.) Licensed and titled as an RV or park model (not a permanent residence);

b.) Built on a single chassis;

c.) 400 square feet or less when measured at the largest horizontal projection;

d.) Has no attached deck, porch, or shed;

e.) Has quick-disconnect sewage, water, and electrical connectors;

f.) Designed to be self-propelled or permanently towable by a light duty truck, and;

g.) Designed primarily not for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.

Regular Program means 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 floodway means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than one foot.

Repair means the reconstruction or renewal of any part of an existing building for which the start of construction commenced on or after the effective date of a floodplain management regulation adopted by a community and all such regulations effective at the time of permitting must be met.

Repetitive Loss means 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, equals or exceeds twenty-five percent of the market value of the structure before the damage occurred.

Repetitive Loss Property is any insurable building for which two or more claims of more than $1,000 were paid by the National Flood Insurance Program (NFIP) within any rolling 10-year period, since 1978. At least two of the claims must be more than ten days apart but, within ten years of each other. A RL property may or may not be currently insured by the NFIP.

Section 1316 is 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 are intended to discourage or otherwise restrict land development or occupancy in flood-prone areas.

Severe Repetitive Loss Structure means any insured property that has met at least one of the following paid flood loss criteria since 1978, regardless of ownership:

1. Four or more separate claim payments of more than $5,000 each (including building and contents payments); or

2. Two or more separate claim payments (building payments only) where the total of the payments exceeds the current market value of the property.

In either case, two of the claim payments must have occurred within ten years of each other. Multiple losses at the same location within ten days of each other are counted as one loss, with the payment amounts added together.

Significant hazard dam means a dam assigned the significant hazard potential classification where failure may cause damage to main roads, minor railroads, or cause interruption of use, or service of relatively important public utilities.

Special flood hazard area (SFHA) means that portion of the floodplain subject to inundation by the base flood and/or flood-related erosion hazards as shown on a FHBM or FIRM as Zone A, AE, A1 – A30, AH, AO, AR, V, VE, or V1-V30.

Start of construction (for other than new construction or substantial improvements under the Coastal Barrier Resources Act P. L. 97-348), 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 the first placement of permanent construction of a building (including a manufactured home) on a site, such as the pouring of slabs or footings, installation of piles, construction of columns, or any work beyond the stage of excavation or 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 or 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 building. For 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, for floodplain management purposes, means a walled and roofed building, including a gas or liquid storage tank that is principally above ground, as well as a manufactured home.

Structure, for insurance purposes, means a building with two or more outside rigid walls and a fully secured roof, that is affixed to a permanent site; a manufactured home built on a permanent chassis, transported to it site in one or more sections, and affixed to a permanent foundation; or a travel trailer without wheels, built on a chassis and affixed to a permanent foundation, that is regulated under the community's floodplain management and building ordinances or laws.

Subrogation means an action brought by FEMA when flood damages have occurred, flood insurance has been paid, and all or part of the damage can be attributed to acts or omissions by a community or other third party.

Substantial Damage means 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 damage also means 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 flood event, on the average, equals or exceeds 25 percent of the market value of the structure before the damage occurred.

Substantial Improvement means any combination of repairs, reconstruction, rehabilitation, addition, or other improvement of a structure taking place during *a 10-year period,* the cost of which equals or exceeds fifty percent of the market value of the structure before the "start of construction" of the improvement. This term includes structures which have incurred "repetitive loss" or "substantial damage," regardless of the actual repair work performed.

For the purposes of this definition, an improvement occurs when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the building.

The term does not apply to:

a.) any project for improvement of a building required to comply with existing health, sanitary, or safety code specifications which have been identified by the Code Enforcement Official and which are solely necessary to assure safe living conditions, or

b.) Any alteration of a "historic structure" provided that the alteration will not preclude the structure's continued designation as a "historic structure."

Substantially improved existing manufactured home parks or subdivisions is where the repair, reconstruction, rehabilitation or improvement of the streets, utilities and pads equals or exceeds 50 percent of the value of the streets, utilities and pads before the repair, reconstruction or improvement commenced.

Suspension means 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.

VE zone *see Coastal High Hazard Area*

Variance is a grant of relief from the requirements of this ordinance.

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

Watercourse means 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.

Water surface elevation means the height, in relation to the National Geodetic Vertical Datum (NGVD) of 1929, (or other datum, where specified) of floods of various magnitudes and frequencies in the floodplains of coastal or riverine areas.

X zone means 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 annual probability 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 means a geographical area shown on a Flood Hazard Boundary Map or a Flood Insurance Rate Map that reflects the severity or type of flooding in the area.

ARTICLE 3. GENERAL PROVISIONS.

SECTION A. LANDS TO WHICH THIS ORDINANCE APPLIES.

This ordinance shall apply to all areas of special flood hazard (SFHA) areas within the jurisdiction of the **City of Long Beach**

SECTION B. BASIS FOR ESTABLISHING THE AREAS OF SPECIAL FLOOD HAZARD.

The areas of special flood hazard identified by the Federal Emergency Management Agency in the Harrison County Flood Insurance Study, dated June 16, 2009, with the accompanying Flood Insurance Rate Map(s) (FIRM) panel(s) number(s) 0243, 0244, 0352, 0356, 0358, 0359, and 0376 and other supporting data are adopted by reference and declared to be a part of this ordinance. The Flood Insurance Study and maps are on file with the Floodplain Manager for the City of Long Beach.

SECTION C. USE OF PRELIMINARY FLOOD HAZARD DATA.

When Flood Insurance Studies and Preliminary Flood Insurance Rate Maps have been provided by FEMA:

(1) Prior to the issuance of a Letter of Final Determination (LFD) by FEMA, the use of the preliminary flood hazard data shall only be required where no base flood elevations and/or floodway areas exist or where the preliminary base flood elevations or floodway area exceed the base flood elevations and/or floodway widths in the effective flood hazard data provided by FEMA. Such preliminary data may be subject to revision through valid appeals.

(2) Upon the issuance of a Letter of Final Determination (LFD) by FEMA, the revised flood hazard data shall be used and replace all previously effective flood hazard data provided by FEMA for the purposes of administrating these regulations.

Where adopted regulatory standards conflict, the more stringent base flood elevation shall prevail. Preliminary FIS data may be subject to change by a valid appeal.

SECTION D. ESTABLISHMENT OF FLOODPLAIN DEVELOPMENT PERMIT.

A development permit shall be required in conformance with the provision of this ordinance prior to the commencement of any development activities in identified areas of special flood hazard and community flood hazard areas within the community.

SECTION E. COMPLIANCE.

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

SECTION F. ABROGATION AND GREATER RESTRICTIONS.

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

SECTION G. INTERPRETATION.

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

(1) Considered as minimum requirements;

(2) Liberally construed in favor of the governing body, and;

(3) Deemed neither to limit nor repeal any other powers granted under state statutes.

SECTION H. STANDARDS FOR X ZONES (SHADED/UNSHADED).

Any area outside the FEMA studied areas lying along blue line streams shown on the United States Department of the Interior Geological Survey quadrants of which the City of Long Beach is contained and/or areas with flood prone soils which are contiguous to blue line streams as shown on the City of Long Beach's Flood Prone Soils Map shall also be considered community flood hazard areas. These areas contiguous to blue line streams are defined by a buffer of five times the width of the stream at the top of the bank or twenty feet each side from the top of the bank, whichever is greater.

The X Zones (shaded/unshaded) are considered to be low to moderate risk flood zones and are located outside the community's delineated special flood hazard area and include the following:

(1) Areas outside the one percent chance flood zone, but within the 0.2 percent chance flood zone, as determined by a detailed study;

(2) Areas outside the 0.2 percent chance flood zone as determined by a detailed study, and;

(3) Areas that have not yet been studied.

The community reserves the right to require further studies for any development within its jurisdiction, if there is evidence that a potential flood hazard exists. Studies can be used to designate community flood hazard areas. Such evidence may include but shall not be limited to:

(1) Eyewitness reports of historic flooding or other reports of historic flooding deemed credible by the community;

(2) Geologic features observed that resemble floodplains (such as flat areas along streams);

(3) Proximity to manmade or natural constrictions such as road crossings that can cause backwater effects, and;

(4) Drainage basin characteristics such as drainage area, slope, percent impervious cover, land use, etc.

SECTION I. REPETITIVE LOSS STRUCTURES.

The community may declare any existing structure as a repetitive loss structure as required to qualify the structure for increased cost of compliance (ICC) benefits allowed by a National Flood Insurance Program flood policy claim. To be declared a repetitive loss structure, the following conditions must be met:

(1) The structure must have a flood insurance policy that includes the increased cost of compliance coverage and;

(2) The structure must have been flooded twice during a ten-year period with each flood event causing damage for which the repair cost equaled or exceeded 25% of the market value of the structure.

SECTION J. WARNING AND DISCLAIMER OF LIABILITY.

The degree of flood protection required by this ordinance is considered reasonable for regulatory purposes and is based on scientific and engineering consideration. Larger floods can and will occur on rare occasions.
Flood heights may be increased by man-made or natural causes. This ordinance does not imply that land outside the areas of special flood hazard or uses permitted within such areas will be free from flooding or flood damages. This ordinance shall not create liability on the part of the Mayor and Board of Alderman of the City of Long Beach or by any officer or employee thereof for any flood damages that result from reliance on this ordinance or any administrative decision lawfully made thereunder.

SECTION K. PENALTIES VIOLATION.

Violation of the provisions of this ordinance or failure to comply with any of its requirements, including violation of conditions and safeguards established in connection with grants of variance or special exceptions, shall constitute a misdemeanor. Any person who violates this ordinance or fails to comply with any of its requirements shall, upon conviction thereof, be fined not more than ***$50.00*** or imprisoned for not more than ***30*** days, or both, and in addition, shall pay all costs and expenses involved in the case. Each day such violation continues shall be considered a separate offense. Nothing herein contained shall prevent the Floodplain Administrator from taking such other lawful actions as is necessary to prevent or remedy any violation.

ARTICLE 4. <u>ADMINISTRATION</u>.

SECTION A. DESIGNATION OF FLOOD DAMAGE PREVENTION ORDINANCE ADMINISTRATOR.

The Mayor and Board of Alderman of the City of Long Beach hereby appoints the Long Beach Building Official to administer and implement the provisions of this ordinance and is herein referred to as the Floodplain Administrator and/or the administrator.

SECTION B. PERMIT PROCEDURES.

Application for a 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:

(1) Application Stage.

a.) Elevation in relation to mean sea level of the proposed lowest floor (including basement) of all buildings, which will be submitted on a FEMA Form 81-31 (Elevation Certificate) by a state of Mississippi registered engineer or surveyor;

b.) Elevation in relation to mean sea level to which any non-residential building in an A Zone will be floodproofed;

c.) Certificate from a state of Mississippi registered professional engineer or architect that the non-residential flood-proofed building will meet the floodproofing criteria in Article 4, Section B (2), Article 5, Section B (2) and Section D (2);

d.) No floodplain development permit can be issued to any mobile, modular, or permanently constructed residence, building or facility unless the owner, lessee, or developer obtains a Notice of Intent from the Mississippi State Health Department, pursuant to the MS Individual On-Site Wastewater Disposal System Law (2009), for a recommendation of a sewage system or Proof of Compliance from the proper Sewer and Water District;

e.) Description of the extent to which any watercourse will be altered or relocated as result of proposed development.

(2) Construction Stage:

Upon placement of the lowest floor, or flood-proofing by whatever construction means, it shall be the duty of the permit holder to submit to the Floodplain Administrator a certification of the NGVD elevation of the lowest floor or floodproofed elevation, as built, in relation to mean sea level. Said certification shall be prepared by or under the direct supervision of a registered land surveyor or professional engineer and certified by same. When floodproofing is utilized for a particular building said certification shall be prepared by or under the direct supervision of a professional engineer or architect and certified by same. Any work undertaken prior to submission of the certification shall be at the permit holder' risk. (The Floodplain Administrator shall review the lowest floor & floodproofing elevation survey data submitted.) The permit holder immediately and prior to further progressive work being permitted to proceed shall correct deficiencies detected by such review. 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.

SECTION C. POWERS, DUTIES AND RESPONSIBILITIES OF THE FLOODPLAIN ADMINISTRATOR.

The Floodplain Administrator and his or her designated staff is hereby authorized and directed to enforce the provisions of this ordinance. The Administrator is further authorized to render interpretations of this ordinance, which are consistent with its spirit and purpose.

(1) Right of Entry

a.) Whenever necessary to make an inspection to enforce any of the provisions of this ordinance, or whenever the Administrator has reasonable cause to believe that there exists in any building or upon any premises any condition or ordinance violation which makes such building, structure or premises unsafe, dangerous or hazardous, the Administrator may enter such building, structure or premises at all reasonable times to inspect the same or perform any duty imposed upon the Administrator by this ordinance.

b.) If such building or premises are occupied, the Administrator shall first present proper credentials and request entry. If such building, structure, or premises are unoccupied, he shall first make a reasonable effort to locate the owner or other persons having charge or control of such building or premises.

c.) If entry is refused, the Administrator shall have recourse to every remedy provided by law to secure entry.

d.) When the Administrator shall have first obtained a proper inspection warrant or other remedy provided by law to secure entry, no owner or occupant or any other persons having charge, care or control of any building, structure, or premises shall fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the Administrator for the purpose of inspection and examination pursuant to this ordinance.

(2) Stop Work Orders

a.) Upon notice from the Administrator, work on any building, structure or premises that is being performed contrary to the provisions of this ordinance shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to his or her agent, or to the person doing the work, and shall state the conditions under which work may be resumed.

(3) Revocation of Permits

a.) The Administrator may revoke a permit or approval, issued under the provisions of this ordinance, in case 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.

b.) The Administrator may revoke a permit upon determination 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 ordinance.

Duties of the administrator shall include, but not be limited to:

(1) Review all development permits to assure that the permit requirements of this ordinance have been satisfied.

(2) Review proposed development to assure that all necessary permits have been received from those governmental agencies from which approval is required by Federal or State law, including section 404 of the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. 1334. Additionally, require the permittee to obtain and submit copies of any required federal or state permits and maintain them on file with the development permit.

(3) Perform a minimum of three inspections to ensure that all applicable ordinance and floodplain development requirements have been satisfied. The first inspection upon the establishment of the Base Flood Elevation reference mark at the development site; the second upon the establishment of the structure's footprint prior to pouring the slab or the establishment of the lowest floor in an elevated foundation system; and the final inspection upon completion and submission of the required finished construction elevation certificate.

(4) Verify any required setback distances.

(5) Verify that all placement of fill or grading is according to certified plans. Assure that any fill being used as part of the structure's foundation system (not allowed in a CHHA) is both clean material and properly compacted and placed. A professional certification that any structure built on fill is reasonably safe from flooding can be requested of the builder/developer.

(6) Verify adequate placement and size of any required flood vents in regard to the number of openings, their location, size, and height above ground level.

(7) Ensure that a crawlspace has adequate vents or openings and that the interior grade is at or above the exterior grade.

(8) Verify that the structure's utilities, duct work, and HVAC systems are at or above the base flood elevation.

(9) Notify adjacent communities, the NFIP State Coordinator, and other federal and/or state agencies with statutory or regulatory authority prior to any alteration or relocation of a watercourse.

(10) Assure that maintenance is provided within the altered or relocated portion of said watercourse so that the flood-carrying capacity is maintained.

(11) Verify and record the actual elevation (in relation to mean sea level) of the lowest floor (including basement) of all new construction and substantially improved buildings, in accordance with Article 4, Section B (2). Information must be recorded on the FEMA Elevation Certificate Form 81-31.

(12) Verify and record the actual elevation (in relation to mean sea level) to which the new construction and substantially improved buildings have been floodproofed, in accordance with Article 4, Section B (2). Information must be recorded on the FEMA Elevation Certificate Form 81-31.

(13) Review certified plans and specifications for compliance.

(14) Make the necessary interpretation where interpretation is needed as to the exact location of boundaries of the areas of special flood hazard (for example, where there appears to be a conflict between a mapped boundary and actual field conditions). The person contesting the location of the boundary shall be given a reasonable opportunity to appeal the interpretation as provided in this Article.

(15) Obtain, review and reasonably utilize any base flood elevation and floodway data available from a federal, state or other source when base flood elevation data or floodway data have not been provided in accordance with Article 3, Section B, in order to administer the provisions of Article 5.

(16) Provide information, testimony, or other evidence, as needed during variance request hearings.

(17) Conduct the following actions when damage occurs to a building or buildings:

a.) Determine whether damaged structures are located within the Special Flood Hazard Area;

b.) Conduct damage assessments for those damaged structures located in the SFHA, and;

c.) Make a reasonable attempt to notify owner(s) of damaged structure(s) of the requirement to obtain a building permit / floodplain development permit prior to repair, rehabilitation, or reconstruction.

(18) Perform such other inspections as may be required to insure compliance with the other provisions of this ordinance.

ARTICLE 5. PROVISIONS FOR FLOOD HAZARD REDUCTION.

SECTION A. GENERAL STANDARDS FOR ALL ZONES.

In all areas of special flood hazard the following provisions are required:

(1) New construction and substantial improvements shall be anchored to prevent flotation, collapse and lateral movement of the structure.

(2) Manufactured homes shall be anchored to prevent flotation, collapse, and lateral movement. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. Dry stacked blocks (stacked without the use of mortar or cement to bond them together) are not to be used as an anchor/elevation method. This standard shall be in addition to and consistent with applicable state requirements for resisting wind forces.

(3) New construction and substantial improvements shall be constructed with materials and utility equipment resistant to flood damage.

(4) New construction or substantial improvements shall be constructed by methods and practices that minimize flood damage.

(5) Electrical, heating, ventilation, plumbing, air conditioning equipment and other service facilities shall be designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding, such facilities shall be located at or above the Base Flood Elevation.

(6) New and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system.

(7) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharges from the systems into flood waters.

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

(9) Any alteration, repair, reconstruction or improvements to a building that is in compliance with the provisions of this ordinance shall meet the requirements of "new construction" as contained in this ordinance.

(10) Any alteration, repair, reconstruction or improvements to a building that is not in compliance with the provisions of this ordinance, shall be undertaken only if said non-conformity shall meet the requirements of "new construction" as contained in this ordinance.

(11) All gas and liquid storage tanks (both above and below ground) shall be adequately anchored to prevent floatation, lateral movement resulting from hydrodynamic forces, and the effects of buoyancy.

(12) When new construction and substantial improvements are located in multiple flood zones or in a flood zone with multiple base flood elevations, they shall meet the requirement for the more stringent flood zone and the highest base flood elevation.

(13) New construction and substantial improvement of any building (both in and outside the SFHA) shall have the lowest floor (including basement) at least one foot above the centerline of the designated street, unless the topography of the property does not allow for strict adherence as determined by the Floodplain Administrator.

(14) All new horizontal additions must have the lowest floor and all HVAC elevated to the regulatory base flood elevation.

(15) New construction and substantial improvements of structures built on fill (only allowed outside of the CHHA and Coastal AE Zone) shall be constructed on properly designed and compacted fill that extends 10

feet to 15 feet beyond the building walls before dropping below the base flood elevation, and shall have appropriate protection from erosion and scour as follows:

a.) Fill sites, upon which structures will be constructed or placed, must be compacted to 95 percent of the maximum density obtainable with the Standard Proctor Test method or an acceptable equivalent method.

b.) Fill slopes shall be no steeper than one foot vertical to two feet horizontal.

c.) Adequate protection against erosion is must be provided for fill slopes. When expected velocities during the occurrence of the base flood are greater than five feet per second, armoring with stone or rock protection or material that will provide equivalent resistance will be provided. When expected velocities during the base flood are five feet per second or appropriate protection shall be provided by covering them with vegetative cover at a minimum.

d.) Fill shall be composed of clean granular or earthen material.

(16) Storage or processing of materials that are hazardous, flammable, explosive, or in time of flooding could become buoyant and pose an obstruction to flow, are prohibited within the community special flood hazard areas, to include identified floodways. Storage of material or equipment not otherwise prohibited shall be firmly anchored to prevent flotation.

SECTION B. SPECIFIC STANDARDS.

In all areas of special flood hazard where base flood elevation data have been provided, as set forth in Article 3, Section B, the following provisions are required:

(1) Residential Construction. New construction and substantial improvement of any residential building (including manufactured home) shall have the lowest floor, including basement, elevated to no lower than the base flood elevation. Should solid foundation perimeter walls be used to elevate a structure, flood openings sufficient to automatically equalize hydrostatic flood forces on exterior walls of enclosures that are subject to flooding, shall be provided in accordance with standards of Article 5, Section B (4). New development proposals will be designed, to the maximum extent practicable, so residential building sites, walkways, driveways, and roadways are located at natural grade with elevation not less than the base flood elevation and with evacuation routes leading directly out of the special flood hazard area.

(2) Non-Residential Construction. New construction and substantial improvement of any commercial, industrial, or non-residential building (including manufactured building) shall have the lowest floor, including basement, elevated to no lower than the base flood elevation. Buildings located in all A Zones may, together with attendant utility and sanitary facilities, be floodproofed in lieu of being elevated provided that all areas of the building below the base flood elevation are water tight with walls substantially impermeable to the passage of water, and use structural components having the capability of resisting hydrostatic and hydrodynamic loads and the effect of buoyancy. Dry floodproofing is allowed only where flood velocities are less than or equal to five feet per second. A registered professional engineer or architect shall certify that the standards of this subsection are satisfied. A Flood Emergency Operation Plan and an Inspection and Maintenance Plan must be provided by the design professional for the building. Such certification shall be provided to the Floodplain Administrator. New development proposals will be designed, to the maximum extent practicable, so non-residential building sites, walkways, driveways, and roadways are located at natural grade with elevation not less than the base flood elevation and with evacuation routes leading directly out of the special flood hazard area.

(3) Elevated Buildings. New construction or substantial improvements of elevated buildings that include fully enclosed areas formed by foundation and other exterior walls below the base flood elevations 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.

a.) Designs for complying with this requirement must either be certified by a professional engineer or architect or meet the following minimum criteria:

(i) Provide a minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding;

(ii) The bottom of all openings shall be no higher than one foot above foundation interior grade (which must be equal to in elevation or higher than the exterior foundation grade);

(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) Limited in use to parking, storage, and building access; and,

(v) Limited to less than 300 square feet.

b.) Access to the enclosed area shall be 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); and

c.) The interior portion of such enclosed area shall not be partitioned or finished into separate rooms.

d.) Property owners shall be required to execute a floodplain venting affidavit acknowledging that all openings will be maintained as flood vents, and that the elimination or alteration of the openings in any way will not violate the requirements of this Article 5, Section B.

(4) Detached storage buildings, shed, or other like accessory improvements, excluding detached garages, carports, and boat houses are used primarily for parking and storage of vehicles and will be allowed up to no more than 500 square feet of unfinished, non-partitioned and enclosed storage space. Such storage space shall not be used for human habitation and shall be limited to storage of items that can withstand exposure to the elements and have low flood damage potential. The storage space shall be constructed of flood resistant or breakaway materials, and equipment and service utilities, such as electrical outlets, shall be limited to essential lighting and other incidental uses, and must be elevated or floodproofed. Openings to preclude hydrostatic loading and allow ventilation as provided in Article 5 Section B. (3) shall also be required. These accessory structures shall be constructed and placed on the building site so as to offer the minimum resistance to the flow of floodwaters.

(5) Accessory improvements and other apparent structures shall be firmly anchored to prevent flotation that may result in damage to other structures.

(6) Property owners shall be required to execute and record with the structure's deed a non-conversion agreement declaring that the area below the lowest floor or the detached accessory building shall not be improved, finished or otherwise converted; the community will have the right to inspect the enclosed area at any time.

(7) Standards for Manufactured Homes and Recreational Vehicles.

a.) All manufactured homes placed, or substantially improved, on individual lots or parcels, in existing manufactured home parks or subdivisions, in expansions to existing manufactured home parks or subdivisions, in new manufactured home parks or subdivisions or in substantially improved manufactured home parks or subdivisions, must meet all the requirements for new construction, including elevation and anchoring.

Manufactured homes must be:

(i) Elevated on a permanent foundation, and

(ii) Have its lowest floor elevated no lower than 1 ***foot*** above the level of the base flood elevation, and

(iii) Be securely anchored to an adequately anchored foundation system to resist flotation, collapse and lateral movement.

b.) Excepting manufactured homes that have incurred substantial damage as a result of a flood, all manufactured homes placed or substantially improved in an existing manufactured home park or subdivision must be elevated so that:

(i) The manufactured home is securely anchored to an adequately anchored foundation system to resist flotation, collapse and lateral movement, and

(ii) The lowest floor of the manufactured home is elevated no lower than 1 ***feet*** above the level of the base flood elevation, or

(iii) The manufactured home chassis is supported by reinforced piers or other foundation elements of at least an equivalent strength, of no less than 36 inches in height above the highest adjacent grade.

c.) All recreational vehicles placed on sites must either:

(i) Be on site for fewer than 180 consecutive days,

(ii) Be fully licensed and ready for highway use, or

(iii) Must meet all the requirements for new construction, including anchoring and elevation requirements of this Article 5, Section B (7) (a) or Article 5, Section B (7) (b) (i) and (ii), above.

A recreational vehicle is ready for highway use if it is licensed and insured in accordance with the state of Mississippi motor vehicle regulations, is 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.

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

(8) Floodways. Located within areas of special flood hazard adopted by reference in Article 3, Section B, are areas designated as floodways. Since the floodway is an extremely hazardous area due to the velocity of flood waters which carry debris, potential projectiles and has erosion potential, the following provisions shall apply: *

a.) Prohibit encroachments, including fill, new construction, substantial improvements and other developments unless certification (with supporting technical data) by a registered professional engineer is provided demonstrating that encroachments shall not result in any increase in flood levels during occurrence of the base flood discharge;

b.) If Article 5, Section B (7) (a) above is satisfied, all new construction and substantial improvements shall comply with all applicable flood hazard reduction provisions of Article 5.

c.) Prohibit the placement of manufactured homes (mobile homes), except in an existing manufactured homes (mobile homes) park or subdivision. A replacement manufactured home may be placed on a lot in an existing manufactured home park or subdivision provided the anchoring standards of Article 5, Section A (2), and the elevation standards of Article 5, Section B (1) (2) and the encroachment standards of this Article 5, Section B (7) (a), are met. **

SECTION C. STANDARDS FOR STREAMS WITHOUT BASE FLOOD ELEVATIONS AND FLOODWAYS. *

When base flood elevation data and floodway data are not available in accordance with Article 3, Section A, in Special Flood Hazard Areas and Community Flood Hazard Areas without base flood elevation data, new construction and substantial improvements shall be elevated or floodproofed to elevations established by the community. The following provisions in addition to the standards of Article 5 Section A and the enclosure standards of Article 5 Section B (4) shall apply:

(1) Require that all new subdivision proposals and other proposed developments (including proposals for manufactured home parks and subdivisions) greater than five lots or five acres, whichever is lesser, include within such proposals base flood elevation data;

(2) The Floodplain Administrator shall obtain, review, and reasonably utilize any base flood elevation and floodway data available from a federal, state, or other source, in order to administer the provisions of Article 5. When such data are available, standards of Article 5, Section B, shall apply. If data is not available from Article 5 Section C (1) or outside sources, then the following provisions shall apply.

(3) No encroachments, including fill material or other development, shall be located within a distance of the stream bank equal to five times the width of the stream at the top of the bank or twenty feet each side from the top of the bank, whichever is greater, unless certification by a registered professional engineer is provided demonstrating that such encroachment shall not result in any increase in flood levels during the occurrence of the base flood discharge. The enclosure standards of Article 5, Section B (4) shall apply.

(4) The Floodplain Administrator shall require that a single lot applicant develop the base flood elevation for the development site, utilizing accepted engineering practices and procedures. Upon review of the submitted data, the Administrator may accept or reject the proposed base flood elevation. When such data is accepted, standards of Article 5, Section B, shall apply.

(5) Fill within the area of special flood hazard shall result in no net loss of natural floodplain storage. The volume of loss of floodwater storage due to filling in the special flood hazard area shall be offset by providing an equal volume of flood storage by excavation or other compensatory measures at or adjacent to the development site.

(6) Notify, in riverine situations, adjacent communities and the State Coordinating Office prior to any alteration or relocation of a watercourse, and submit copies of such notifications to FEMA. Assure that the flood carrying capacity within the altered or relocated portion of any watercourse is maintained.

(7) Require that all manufactured homes be placed or installed using methods and practices which minimize flood damage. Manufactured homes must be elevated and anchored to resist flotation, collapse, or lateral movement. Dry stacked blocks (stacked without the use of mortar or cement to bond them together) are not allowed within the Special Flood Hazard Area.

SECTION D. STANDARDS FOR SHALLOW FLOODING ZONES. *

Located within the areas of special flood hazard established in Article 3, Section B, are areas designated as shallow flooding areas. These areas have flood hazards associated with base flood depths of one to three feet (1 – 3'), where a clearly defined channel does not exist and the water path of flooding is unpredictable and indeterminate; therefore, the following provisions apply:

(1) All new construction and substantial improvements of residential structures shall:

Have the lowest floor, including basement, elevated to or above the highest adjacent grade at least as high as the depth number (plus community freeboard) specified in feet on the Flood Insurance Rate Map. If no depth number is specified, the lowest floor, including basement, shall be elevated to no less than three feet six inches above the highest adjacent grade.

(2) All new construction and substantial improvements of non-residential structures shall:

a.) Have the lowest floor, including basement, elevated to or above either the base flood elevation or in Zone AO the flood depth specified on the Flood Insurance Rate Map, above the highest adjacent grade. In Zone AO, if no flood depth is specified, the lowest floor, including basement, shall be elevated no less than two (2) feet above the highest adjacent grade.

b.) Together with attendant utility and sanitary facilities be completely floodproofed either to the base flood elevation or above or, in Zone AO, to or above the specified flood depth plus a minimum of one foot so that any space below that level is watertight with walls substantially impermeable to the passage of water and with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. Certification is required as stated in Article 5, Section B (2).

(3) Adequate drainage paths shall be established around structures on slopes to guide floodwaters around and away from proposed structures.

SECTION E. STANDARDS FOR ACCESSORY BUILDINGS IN ALL ZONES BEGINNING WITH THE LETTER 'V.'

For all accessory buildings in SFHA designated 'V' please reference the requirements stated in Section G.

SECTION F. STANDARDS FOR SUBDIVISION PROPOSALS AND OTHER PROPOSED DEVELOPMENT.

(1) All subdivision proposals shall be consistent with the need to minimize flood damage;

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

(3) All subdivision proposals shall have adequate drainage provided to reduce exposure to flood hazards, and;

(4) Base flood elevation data shall be provided for all new subdivision proposals and other proposed development (including manufactured home parks and subdivisions), which is greater than five lots or five acres, whichever is the lesser.

(5) All subdivision and other development proposals which involve disturbing more than 1000 square feet of land shall include a stormwater management plan which is designed to limit peak runoff from the site to predevelopment levels for the one, ten, and 100-year rainfall event. These plans shall be designed to limit adverse impacts to downstream channels and floodplains. Single residential lots involving less than one acre of land disturbance are not subject to this regulation.

(6) All preliminary plans for platted subdivisions shall identify the flood hazard area and the elevation of the base flood.

(7) All final subdivision plats will provide the boundary of the special flood hazard area, the floodway boundary, and the base flood elevations.

(8) In platted subdivisions, all proposed lots or parcels that will be future building sites shall have a minimum buildable area outside the natural (non-filled) 1% chance annual floodplain. The buildable area shall be large enough to accommodate any primary structure and associated structures such as sheds, barns, swimming pools, detached garages, on-site sewage disposal systems, and water supply wells, where applicable.

(9) Approval shall not be given for streets within a subdivision, which would be subject to flooding in the base flood. All street surfaces must be located at or above the base flood elevation.

(10) Where only a small portion of the subdivision lot or lots is in an A zone Special Flood Hazard Area inundated by one percent chance flood with no base flood elevations determined and there is sufficient ground slope on the site to avoid possible flooding of structures in X Zones (unshaded) determined to be outside 0.2 chance flood floodplain. The Floodplain Administrator may waive the requirement for a study to determine the base flood elevations.

(11) In order for the Floodplain Administrator to consider waiving the requirement of Section F (4) the applicant must provide an accurate topographic data and map for the lot or lots in question (certified by a licensed land surveyor and/or professional civil engineer) indicating that each lot in a new subdivision is on natural high ground, out of the regulatory floodplain.

(12) Each proposed parcel must have a designated buildable pad or site above the one percent chance floodplain. The distance of the buildable pad or site above the one percent chance floodplain shall depend on the slope of the ground and in accordance with the following table:

Distance in feet from Zone A one percent floodplain	Minimum Slope from Zone A – one percent floodplain to ground level at pad
20	5%
30	3.33%
40	2.50%
50	2.0%
60	1.67%
70	1.43%
80	1.25%
90	1.11%
100	1.0%

Residential and non-residential structures lowest floor elevation also must be elevated 1.5 feet above the ground level on the buildable pad or site.

(13) The subdivider/applicant must comply with the following:

a.) File restrictive covenants on the lot or lots prohibiting construction within the designated special flood hazard area and requirement for lowest floor elevation.

b.) Place a statement on the face of the final plat prohibiting construction in the designated area of special flood hazard.*

SECTION G. COASTAL HIGH HAZARD AREAS. *

Located within areas of special flood hazard areas established in Article 3, Section B are Coastal High Hazard Areas, designated as Coastal AE Zones and VE Zones. These areas have special flood hazards associated with high velocity waters from wave action due to hurricanes, tsunamis, or other seismic sources. The following provisions, in addition to the standards of Article 5, Sections A, B (except B (8)), C, and D, shall also apply:

(1) All new construction and substantial improvements in Coastal AE Zones, VE Zones shall be elevated on pilings and columns so that:

a.) The bottom of the lowest horizontal structural member of the lowest floor (excluding the pilings or columns) is elevated to {or 18 inches} above the base flood level, and;

b.) The pile or column foundation and structure attached thereto is anchored to resist flotation, collapse and lateral movement due to the effects of wind and water loads acting simultaneously on all building components. Water loading values used shall be those associated with the base flood. Wind loading values used shall be those requirements by state or local building codes.

(2) A registered professional engineer or architect shall develop or review the structural design, specifications and plans for the construction and shall certify that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the provisions of Article 5, Section G (1).

(3) In Coastal AE Zones, property owners shall be required to execute a flood openings/venting affidavit acknowledging that all openings in breakaway walls will be maintained as flood vents, and that the elimination or alteration of the openings in any way will violate the requirements of Article 5, Section B. Periodic inspections will be conducted by the Floodplain Administrator to ensure compliance.

(4) Property owners shall be required to execute and record with the structure's deed a non-conversion agreement declaring that the area below the lowest floor of the structure or the detached accessory building

shall not be improved, finished or otherwise converted; the community will have the right to inspect the enclosed area.

(5) Obtain the elevation (in relation to mean sea level) of the bottom of the lowest structural member of the lowest floor (excluding pilings and columns) of all new and substantially improved structures in Coastal AE Zones, VE Zones. The Floodplain Administrator shall maintain a record of all such information.

(6) All new construction shall be located landward of the reach of mean high tide.

(7) All new construction and substantial improvements in Coastal AE Zones, VE Zones shall have the space below the lowest floor either free of obstruction or constructed with non-supporting breakaway walls, open wood latticework, or insect screening intended to collapse under wind and water loads without causing collapse, displacement, or other structural damage to the elevated portion of the building or supporting foundation system. For the purpose of this section, a breakaway wall shall have a design safe loading resistance of not less than 10 and no more than 20 pounds per square foot. Breakaway wall enclosures shall not exceed 299 square feet. Use of breakaway walls which exceed a design safe loading resistance of 20 pounds per square foot (either by design or when so required by local codes) may be permitted only if a registered professional engineer or architect certifies that the designs proposed meet the following conditions:

a.) Breakaway wall collapse shall result from water load less than that which would occur during the base flood, and;

b.) The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (structural and nonstructural). Water loading values used shall be those associated with the base flood. Wind loading values used shall be those requirements by state or local building codes. The lowest horizontal structural member should be oriented perpendicular to the expected wave crest.

(9) Prohibit the use of fill for structural support of buildings. Under the buildings or structures, no fill may be used except for minor site grading for drainage purposes. Nonstructural fill may be used on coastal building sites for minor landscaping and site grading for drainage purposes as long as the fill does not interfere with the free passage of floodwaters and debris underneath the building or cause changes in flow direction during coastal storms such that will cause additional damage to buildings on the site or to any adjacent buildings. Certification by a professional engineer or architect shall be submitted along with design calculations demonstrating that no adverse impacts will result. (For guidance, see FEMA Technical Bulletin #5 Free of Obstruction Requirements).

An example of unacceptable placement of fill would be construction of a small berm or retaining wall that is backfilled and used for landscaping purposes when it has been determined that wave ramping or deflection will adversely affect adjacent buildings and thereby create additional flood damage potential.

(10) Prohibit man-made alteration of sand dunes that would increase potential flood damage.

(11) All manufactured homes to be placed or substantially improved within Coastal AE Zones, VE Zones on the community's FIRM on sites:

a.) Outside of a manufactured home park or subdivision,
b.) In a new manufactured home park or subdivision,
c.) In an expansion to an existing manufactured home park or subdivision, or
d.) In an existing manufactured home park or subdivision on which a manufactured home has incurred "substantial damage" as the result of a flood;

shall meet the standards of this Article 5, Section G (1) though (8) and that manufactured homes placed or substantially improved on other sites in an existing manufactured home park or subdivision with Coastal AE Zones, VE Zones on the FIRM meet the requirements of Article 5, Section B (8) (a) and (b).

(12) All new structures shall be located on the lot so as to minimize exposure to coastal hazards and shoreline erosion. Structures shall be located outside the Coastal High Hazard Area, to the greatest extent possible.

(13) Recreational vehicles placed on sites within Coastal AE Zones, VE Zones on the community's FIRM either;

a.) Be on site for fewer than 180 consecutive days and shall leave the site for at least seven consecutive days and obtain a new permit before returning to the same site;

b.) Be fully licensed and ready for highway use (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 of Article 5, Section G (1) through (8), and (14).

(14) If breakaway walls are utilized, such enclosed space shall be useable solely for storage, parking of vehicles, or building access. Such space shall not be used for human habitation and finished or partitioned into separate rooms.

SECTION H. CRITICAL FACILITIES.

Construction of new and substantially improved critical facilities shall be located outside the limits of the special flood hazard area (one percent chance floodplain). Construction of new critical facilities shall be permissible within the SFHA only if no feasible alternative site is available and access to the facilities remains available during a 0.2 percent chance flood. Critical facilities constructed within the SFHA shall have the lowest floor elevated three feet six inches above the base flood elevation at the site (or to the 0.2 percent chance flood elevation whichever is greater). Floodproofing and sealing measures must be implemented to ensure that toxic substances will not be displaced by or released into floodwaters. Multiple access routes, elevated to or above the 0.2 percent flood elevation, shall be provided to all critical facilities to the maximum extent possible. Critical facilities must not only be protected to or above the 0.2 percent chance flood, but must remain operable during such an event. The community's flood response plan must list facilities considered critical in a flood, since loss of access can cause a critical situation. Other facilities in low risk flood zones that may also be needed to support flood response efforts must be included on the critical facility list. The use of any structure shall not be changed to a critical facility, where such a change in use will render the new critical facility out of conformance with this section. The list of the operators of the critical facilities affected by flooding must be updated at least annually, as part of the community critical facility planning procedures.

ARTICLE 6. VARIANCE PROCEDURES.

SECTION A. DESIGNATION OF VARIANCE AND APPEALS BOARD.

The Zoning Board of Appeals (Board of Appeals) as established by the Mayor and Board of Alderman of the City of Long Beach shall hear and decide appeals and requests for variances from requirements of this ordinance.

SECTION B. 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 ordinance. Any person aggrieved by the decision of the board may appeal such decision to the Circuit Court in and for the Frist Judicial District of Harrison County, as provided by law.

SECTION C. VARIANCE PROCEDURES.

In passing upon such applications, the (Board of Appeals) shall consider all technical evaluations, all relevant factors, standards specified in other sections of this ordinance, and:

(1) The evaluation must be based on the characteristics unique to that property and not be shared by adjacent parcels. The characteristics must pertain to the land itself, not to the structure, its inhabitants, or its owners;

(2) Variances should never be granted for multiple lots, phases of subdivisions, or entire subdivisions;

(3) The danger that materials may be swept onto other lands to the injury of others;

(4) The danger of life and property due to flooding or erosion damage;

(5) The susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner;

(6) The importance of the services provided by the proposed facility to the community;

(7) The necessity to the facility of a waterfront location, where applicable;

(8) The availability of alternative locations for the proposed use which are not subject to flooding or erosion damage;

(9) The compatibility of the proposed use with existing and anticipated development;

(10) The relationship of the proposed use to the comprehensive plan and floodplain management program for that area;

(11) The safety of access to the property in times of flood for ordinary and emergency vehicles;

(12) The expected heights, velocity, duration, rate of rise, and sediment of transport of the flood waters and the effects of wave action, if applicable, expected at the site; and,

(13) 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.

(14) Upon consideration of factors listed above, and the purpose of this ordinance, the (Board of Appeals) and the Mayor and Board of Alderman may attach such conditions to the granting of variances as it deems necessary to further the purposes of this ordinance.

(15) Variances shall not be issued within any designated floodway if any increase in flood levels during the base flood discharge would result.

SECTION D. CONDITIONS FOR VARIANCES.

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

a.) A showing of good and sufficient cause;

b.) A determination that failure to grant the variance would result in exceptional hardship; and,

c.) A determination that the granting of a variance will not result in increased flood heights, additional threats to public expense, create nuisance, cause fraud on or victimization of the public, or conflict with existing local laws or ordinances.

(2) Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief; and in the instance of an "historic structure," a determination that the variance is the minimum necessary so as not to destroy the historic character and design of the building.

(3) Any applicant to whom a variance is granted shall be given written notice specifying the difference between the base flood elevation and the elevation to which the lowest floor is to be built and stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced lowest floor elevation. (See Article 6, Section E.)

(4) The Floodplain Administrator shall maintain the records of all appeal actions and report any variances to the Federal Emergency Management Agency or Mississippi Emergency Management Agency upon request. (See Section E.)

SECTION E. VARIANCE NOTIFICATION.

Any applicant to whom a variance is granted shall be given written notice over the signature of a community official that:

(1) The issuance of a variance to construct a structure below the base flood elevation will result in increased premium rates for flood insurance up to amounts as high as $25 for $100 of insurance coverage, and;

(2) Such construction below the base flood level increases risks to life and property. A copy of the notice shall be recorded by the Floodplain Administrator in the Office of the Chancery Clerk and shall be recorded in a manner so that it appears in the chain of title of the affected parcel of land.

The Floodplain Administrator will maintain a record of all variance actions, including justification for their issuance, and report such variances issued in the community's biennial report submission to the Federal Emergency Management Agency.

SECTION F. HISTORIC STRUCTURES.

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

SECTION G. SPECIAL CONDITIONS.

Upon consideration of the factors listed in Article 6, and the purposes of this ordinance, the Mayor and Board of Alderman of the City of Long Beach may attach such conditions to the granting of variances, as it deems necessary to further the purposes of this ordinance.

SECTION H. FLOODWAY.*

Variances shall not be issued by a community within any designated regulatory floodway if any increase in flood levels during the base flood discharge would result.

ARTICLE 7. SEVERABILITY.

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

ARTICLE 8. EFFECTIVE DATE

The City Clerk is hereby ordered to publish this Ordinance and Resolution in the manner and time required by law, and this Ordinance and Resolution of the Mayor and Board of Aldermen of the City of Long Beach shall be deemed effective in the manner and time prescribed by law.

This ordinance having first been reduced to writing, Alderman Ponthieux made motion to approve the Ordinance. Alderman Carrubba seconded the motion and the question being put to a roll call vote the result was as follows:

Alderman Bernie Parker	voted	Aye
Alderman Gary J. Ponthieux	voted	Aye
Alderman Kelly Griffin	voted	Aye
Alderman Alan Young	voted	Aye
Alderman Leonard G. Carrubba, Sr.	voted	Aye
Alderman Mark E. Lishen	voted	Aye
Alderman Ronnie Hammons, Jr.	voted	Aye

The question having received the affirmative vote of all the Aldermen present and voting, the Mayor declared the motion carried and the said Ordinance Number 610 adopted and approved this, the 7th day of July, 2015.

APPROVED:

WILLIAM SKELLIE, JR., MAYOR

ATTEST

REBECCA E. SCHRUFF, CITY CLERK

CERTIFICATE

STATE OF MISSISSIPPI
COUNTY OF HARRISON

I, the undersigned, Rebecca E. Schruff, City Clerk within and for the City of Long Beach, Mississippi, do hereby certify that the above and foregoing is a true and correct copy of that certain Ordinance #610 of the City of Long Beach, Mississippi, adopted by the Mayor and Board of Aldermen at a regular meeting duly held and convened on the 7th day of July, 2015, as the same appears of record in Ordinance Book #8, pages 345-370 inclusive, in my office at the City Hall in said City.

Given under my hand and the official seal of my office this the 7th day of July, 2015.

Rebecca E. Schruff, City Clerk

(SEAL)