

ORDINANCE NO. 04-13

A MASTER FLOOD HAZARD PREVENTION ORDINANCE FOR THE TOWN OF SOUTH PADRE ISLAND, TEXAS; PROVIDING FOR STATUTORY AUTHORIZATION, FINDINGS OF FACT, STATEMENT OF PURPOSE, METHOD OF REDUCING FLOOD LOSSES, DEFINITIONS, DEFINING THE LAND SUBJECT TO THE ORDINANCE, DISCLAIMER OF LIABILITY, APPOINTING THE CITY MANAGER AS THE FLOOD PLAIN ADMINISTRATOR AND PROVIDING HIS DUTIES AND RESPONSIBILITIES, PERMIT PROCEDURE, VARIANCE PROCEDURE, PROVISION FOR FLOOD HAZARD REDUCTION, STANDARDS FOR SUBDIVISION APPROVAL, STANDARDS FOR SPECIAL REQUIREMENTS REGARDING FLOOR ELEVATION, ESTABLISHING A MINIMUM ELEVATION OF SIX (6) FEET ABOVE MEAN SEA LEVEL, AND REPEAL OF ORDINANCE 62C; PROVIDING FOR THE ENFORCEMENT OF THIS ORDINANCE AND PROVISIONS FOR A GENERAL PENALTY OF FIVE HUNDRED DOLLARS (\$500.00) FOR ANY VIOLATION; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR PUBLICATION IN SUMMARY FORM.

WHEREAS, the TOWN OF SOUTH PADRE ISLAND has heretofore enacted Ordinance No. 62C establishing a flood protection plan for the Town of South Padre Island; and

WHEREAS, the Town has been advised by the Federal Emergency Management Agency that they have developed a new master flood hazard prevention ordinance and that the Town should adopt the same with such additional special requirements as believed to be in the best interests of the Town by the Board of Aldermen; and

WHEREAS, the Town of South Padre Island is desirous of continuing to avail itself of the benefits of the National Flood Insurance Program, it is the opinion of the Board of Aldermen that the new master flood hazard prevention ordinance, as furnished to them by the Federal Emergency Management Agency, should be adopted without material change or modification in order to avoid the loss of benefits of said program;

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE TOWN OF SOUTH PADRE ISLAND, TEXAS:

ARTICLE I

STATUTORY AUTHORIZATION, FINDINGS OF FACT
PURPOSE AND METHODS

SECTION A. STATUTORY AUTHORIZATION

The Legislature of the State of Texas has in Article 8280-13, V.A.T.C.S., the Flood Control and Insurance Act, delegated the responsibility to local governmental units to adopt regulations designed to minimize flood losses. Therefore, the Board of Aldermen of the Town of South Padre Island, Texas does ordain as follows:

SECTION B. FINDINGS OF FACT

- (1) The flood hazard areas of the Town Of South Padre Island are subject to periodic inundation which results in loss of life and property, health and safety hazards, disruption of commerce and governmental services and extraordinary public expenditures for flood protection and relief, all of which adversely affect the public health, safety and general welfare.
- (2) These flood losses are created by the cumulative effect of obstructions in flood plains which cause an increase in flood heights and velocities, and by the *occupancy* of flood hazard areas by uses vulnerable to floods and hazardous to other lands because they are inadequately elevated, floodproofed, or otherwise protected from' flood damage.

SECTION C. STATEMENT OF PURPOSE

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

- (1) Protect human life and health;
- (2) Minimize expenditure of public money for costly flood control projects;
- (3) Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at expense of the general public;
- (4) Minimize prolonged business interruptions;
- (5) Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in floodplains;
- (6) 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 future flood blight areas; and,
- (7) Insure that potential buyers are notified that property is in a flood area.

SECTION D. METHODS OF REDUCING FLOOD LOSSES

In order to accomplish its purposes, the Ordinance uses the following methods:

- (1) Restrict or prohibit uses that are dangerous to health safety or property in times of flood, or cause excessive increases in flood heights or 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 flood plains, 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 flood damage;
- (5) Prevent or regulate the construction of flood barriers which will unnaturally divert flood waters or which may increase flood hazards to other lands.

ARTICLE 2

DEFINITIONS

Unless specifically defined below, words or phrases used in this Ordinance shall be interpreted to give them the meaning they have in common usage and to give this Ordinance its most reasonable application.

Appeal--means a request for a review of the Flood Plain Administrator's interpretation of any provision of this Ordinance or a request for a variance.

Area of Shallow Flooding--means a designated AO, AH, or VO Zone on a community's Flood Insurance Rate Map (FIRM) with a one percent or greater chance of flooding to an average depth of one to three feet where a clearly defined channel does not exist, where the path of flooding is unpredictable 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 flood plain within a community subject to a one percent or greater chance of flooding in any given year. The area may be designated as Zone A on the Flood Hazard Boundary Map (FHBM). After detailed ratemaking has been completed in preparation for publication of the FIRM, Zone A usually is refined into Zones A, AE, AO, AH, AI-99, VO, VI-30, VE or V.

Base Flood--means the flood having a one percent chance of being equalled or exceeded in any given year.

Basement--means any area of the building having its floor subgrade (below ground level) on all sides.

Breakaway Walls--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 supporting foundation system.

Coastal High Hazard Area--means 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.

Critical Features--means an integral and readily identifiable part of a flood protection system, without which the flood protection provided by the entire system would be compromised.

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, excavation, drilling operations, or storage of equipment or materials.

Elevated Building--means a nonbasement building (i) built, in the case of a building in Zones AI-3D, AE, A, A99, AO, AH, B, C, X and D, to have the top of the elevated floor, or in the case of a building in Zones VI-3D, VE, or V, to have the bottom of the lowest horizontal structure member of the elevated floor elevated above the ground level by means of pilings, columns (posts and piers), or shear walls parallel to the floor of the water and

(ii) adequately anchored so as not to impair the structural integrity of the building during a flood of up to the magnitude of the base flood. In the case of Zones AI-3D, AE, A, A99, AO, AH, B, C, X, D, "elevated building" also includes a building elevated by means of fill or solid foundation perimeter walls with openings sufficient to facilitate the unimpeded movement of flood waters. In the case of Zones VI-3D, VE, or V, "elevated building" also includes a building otherwise meeting the definition of "elevated building", even though the lower area is enclosed by means of breakaway walls if the breakaway walls meet the standards of Section 60.3(e) (5) of the National Flood Insurance Program regulations. .

Existing Construction--means for the purposes of determining rates, structures for which the "start of construction" commenced before the effective date of the FIRM or before January 1, 1975, for FIRMs effective before that date. "Existing construction" may also be referred to as "existing structures."

Existing Manufactured Horne 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 a community.

Expansion To An Existing Manufactured Horne Park or Subdivision--means 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).

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

- (1) The overflow of inland or tidal waters.
- (2) The unusual and rapid accumulation or runoff of surface waters from any source.

Flood Insurance Rate Map (FIRM)--means an official map of community, on which the Federal Emergency Management Agency has delineated both the areas of special flood hazards and the risk premium zones applicable to the community.

Flood Insurance Study--is the official report provided by the Federal Emergency Management Agency. The report contains flood profiles, the water surface elevation of the base flood, as well as the Flood Boundary-Floodway Map.

Floodplain or Flood-prone Area--means any land area susceptible to being inundated by water from any source (see definition of flooding).

Floodplain Management--means the operation of an overall program of corrective and preventive measures for reducing flood damage, including but not limited to emergency preparedness plans, flood control works and floodplain management regulations.

Floodplain Management Regulations--means zoning ordinances, subdivision regulations, building codes, health regulations, special purpose ordinances (such as a floodplain ordinance, grading ordinance and erosion control ordinance) and other applications of police power. The term describes such state or local regulations, in any combination thereof, which provide standards for the purpose of flood damage prevention and reduction.

Flood Protection System--means those physical structural works for which funds have been authorized, appropriated, and expended and which have been constructed specifically to modify flooding in order to reduce the extent of the areas within a community subject to a "special flood hazard" and the extent of the depths of associated flooding. Such as system typically includes hurricane tidal barriers, dams, reservoirs, levees or dikes. These specialized flood modifying works are those constructed in conformance with sound engineering standards.

Flood Proofing--means any combination of structural and non-structural additions, changes, or adjustments to structures which reduce or eliminate flood damage to real estate or improved real property, water and sanitary facilities, structures and their contents.

Floodway (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 a designated height.

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 include long-term storage or related manufacturing facilities.

Habitable Floor--means any floor usable for living purposes, which includes working, sleeping, eating, cooking or recreation, or a combination thereof. A floor used for storage purposes only is not "habitable floor".

Highest Adjacent Grade--means the highest natural elevation of the ground surface prior to construction next to the proposed walls of a structure.

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 district 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 Interior; or

(d) Individually listed on a local inventory of 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.

Levee--means a man-made structure, usually an earthen embankment, designed and constructed in accordance with sound engineering practices to contain, control, or divert 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 sound engineering practices.

Lowest Floor--means the lowest floor of the lowest enclosed area (including basement). An unfinished or flood resistant enclosure, usable solely for parking or vehicles, building access or storage j area other than a basement area is not considered a building's 10wE floor; provided that such enclosure is not built so as to render the structure in violation of the applicable non-elevation design requirement of Section 60.3 of the National Flood Insurance Program regulations.

Mangrove Stand--means a assemblage of mangrove trees which are mostly low trees noted for a copious development of interlacing adventitious roots above the ground and which contain one or more of the following species: black mangrove (*Avicennia Nitida*); red mangrove (*Rhisophora Mangle*); white mangrove (*Languncularia Racemosa*); and buttonwood (*Conocarpus Erecta*).

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

Manufactured Horne Park Or Subdivision--means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

Mean Sea Level--means, for 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 are referenced.

New Construction--means, for the purpose of determining insurance rates, structures for which the "start of construction" commenced on or after the effective date of an initial FIRM or after December 31, 1974, whichever is later, and includes any subsequent improvements to such structures. For floodplain management purposes, "new construction" means structures 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 structures.

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 management regulations adopted by a community.

Primary Frontal Dune--means a continuous or nearly continuous mound or ridge of sand with relatively steep seaward and landward slopes immediately landward and adjacent to the beach and subject to erosion and overtopping from high tides and waves during major coastal storms. The inland limit of the primary frontal dune occurs at the point where there is a distinct change from a relatively steep slope to a relatively mild slope.

Recreational Vehicle--means a vehicle which is (i) built on a single chassis; (ii) 400 square feet or less when measured at the largest horizontal projections; (iii) designed to be self-propelled or permanently towable by a light duty truck; and (iv) designed primarily not for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.

Sand Dunes--mean naturally occurring accumulations of sand in ridges or mounds landward of the beach.

Start of Construction--(for other than new construction or substantial improvements under the Coastal Barrier Resources Act (Pub. L. 97-348), includes substantial improvement and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, rehabilitation, addition, placement, or other improvement was within 180 days of the permit date. The actual start means either the first placement of permanent construction of a structure on a site, such as the pouring of slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation; or the placement of a manufactured home on a foundation. Permanent construction does not include land preparation, such as clearing, grading and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for 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 structure. For a substantial improvement, the actual start of construction means the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not that alteration affects the external dimensions of the building.

Structure--means a walled and roofed building, including a gas or liquid storage tank, that is principally above ground, as well as a manufactured home.

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 Improvement--means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure before "start of construction" of the improvement. This includes structures which have incurred "substantial damage", regardless of the actual repair work performed.

The term does not, however, include either: (1) Any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which are the minimum necessary conditions or (2) Any alteration of a "historic structure" provided that the alteration will not preclude the structure's continued designation as a "historic structure."

Texas Open Beaches Act--this statute, enacted by the Texas Legislature in 1959, prohibits encroachment by private owners on the area seaward of the line of vegetation in areas fronting on the Gulf of Mexico.

Variance--is a grant of relief to a person from the requirements of this Ordinance when specific enforcement would result in unnecessary hardship. A variance, therefore, permits construction or development in a manner otherwise prohibited by this Ordinance. For full requirements see Section 60.6 of the National Flood Insurance Program regulations.

Violation--means the failure of a structure or other development to be fully compliant with the community's flood plain management regulations. A structure or other development without the elevation certificate, other certifications, or other evidence of compliance required in Section 60.3 (b) (5), (c) (4), (c) (10), (d) (3), (e) (2), (e) (4), or (e) (5) is presumed to be in violation until such time as that documentation is provided.

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 flood plains of coastal or riverine areas.

ARTICLE 3

GENERAL PROVISIONS

SECTION A. LANDS TO WHICH THIS ORDINANCE APPLIES:

This Ordinance shall apply to all areas of special flood hazard within the jurisdiction of the Town of South Padre Island.

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 a scientific and engineering report entitled "The Flood Insurance Study for the Town of South Padre Island", dated March 9th, 1999, with accompanying Flood Insurance Rate Maps and Flood Boundary-Floodway Maps (FIRM and FBFM) and any revision thereto are hereby adopted by reference and declared to be a part of this Ordinance.

SECTION C. ESTABLISHMENT OF DEVELOPMENT PERMIT:

A development permit shall be required to ensure conformance with the provisions of this Ordinance.

SECTION D. COMPLIANCE:

No structure or land shall hereafter be located, altered, or have its use changed without full compliance with the terms of the Ordinance and other applicable regulations and ordinances.

SECTION E. 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 other conflict or overlap, whichever imposes the more stringent restrictions shall prevail.

SECTION F. INTERPRETATION:

In the interpretation and application of this Ordinance, all provisions shall be (1) considered as minimum requirements; (2) liberally constructed in favor of the governing body; and (3) deemed neither to limit nor repeal any other powers granted under State statutes.

SECTION G. 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 considerations. On rare occasions greater floods can and will occur and flood heights may be increased by man-made or natural causes. This Ordinance does not imply that land outside the areas of special flood hazards or uses permitted within such areas will be free from flooding or flood damages. This Ordinance shall not create liability on the part of Town of South Padre Island or any officer or employee thereof for any flood damages that result from reliance on this Ordinance or any administrative decision lawfully made thereunder.

ARTICLE 4

ADMINISTRATION

DESIGNATION OF THE FLOODPLAIN ADMINISTRATOR

The City Manager is hereby appointed the Floodplain Administrator to administer and implement the provisions of this Ordinance and other appropriate sections of 44 CFR (National Flood Insurance Program Regulations) pertaining to flood plain management.

SECTION B. DUTIES AND RESPONSIBILITIES OF THE FLOODPLAIN ADMINISTRATOR

Duties and responsibilities of the Floodplain Administrator shall include, but not be limited to, the following:

- (1) Maintain and hold open for public inspection all records pertaining to the provisions of this Ordinance;
- (2) Review permit application to determine whether proposed building site will be reasonable safe from flooding.
- (3) Review, approve or deny all applications of development permits required by adoption of this Ordinance;
- (4) Review permits for proposed development to assure that all necessary permits have been obtained from those. Federal, State or local governmental agencies (including Section 404 of the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. 1334) from which prior approval is required.
- (5) Where interpretation is needed as to the exact location of the boundaries of the areas of special flood hazards (for example, where there appears to be a conflict between a mapped boundary and actual field conditions) The Floodplain Administrator shall make the necessary interpretation.
- (6) Notify, in riverine situations, adjacent communities and the State Coordinating Agency which is the Texas Water Commission, prior to any alteration or relocation of a watercourse, and submit evidence of such notification to the Federal Emergency Management Agency.
- (7) Assure that the flood carrying capacity within the altered or relocated portion of any watercourse is maintained.
- (8) When base flood elevation data has not been provided in accordance with Article 3, Section B, the Floodplain Administrator shall obtain, review, and reasonably utilize any base flood elevation data and floodway data available from a Federal, State, or other source, in order to administer the provision of Article 5.

- (9) When a regulatory floodway has not been designated, the Floodplain Administrator must require that no new construction, substantial improvements, or other development (including fill) shall be permitted within Zones A1-30 and AE on the community's FIRM, unless it is demonstrated that the cumulative effect of the proposed development, when combined with all other existing and anticipated development, will not increase the water surface elevation of the base flood more than one foot at any point within the community.
- (10) Under the provisions of 44 CFR Chapter 1, Section 65.12, of the National Flood Insurance Program regulations, a community may approve certain development in Zones A1-30, AE, AH, on the community's FIRM which increased the water surface elevation of the base flood by more than one foot, provided that the community first applies for a conditional FIRM revision through FEMA.

SECTION C. PERMIT PROCEDURES:

- (1) Application for a Development Permit shall be presented to the Floodplain Administrator on forms furnished by him/her and may include, but not limited to, plans in duplicate drawn to scale showing the location, dimensions, and elevation of proposed structures, and the location of the foregoing in relation to areas of special flood-hazard. Additionally, the following information is required:
- a. Elevation (in relation to mean sea level), of the lowest floor (including basement) of all new and substantially improved structures;
 - b. Elevation in relation to mean sea level to which any non-residential structure shall be floodproofed;
 - c. A certificate from a registered professional engineer or architect that the non-residential floodproofed structure shall meet the floodproofing criteria of Article 5, Section B (2);
 - d. Description of the extent to which any watercourse or natural drainage will be altered or relocated as a result of proposed development.
 - e. Maintain a record of all such information in accordance with Article 4, Section (B) (1).

(2) Approval or denial of a Development permit by the Floodplain Administrator shall be based on all of the provision of this Ordinance and the following relevant factors:

- a. The danger to life and property due to flooding and or erosion damage;
- b. The susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner;
- c. The danger that materials may be swept onto other lands to the injury of others;
- d. The compatibility of the proposed use with existing and anticipated development;
- e. The safety of access to the property in times of flood for ordinary and emergency vehicles;
- f. The costs of providing governmental services during and after flood conditions including maintenance and repair of streets and bridges, and public utilities and facilities such as sewer, gas, electrical, and water systems.
- g. The expected heights, velocity, duration, rate of rise and sediment transport of the flood waters and the effects of wave action, if applicable, expected at the site;
- h. The necessity to the facility of waterfront locations, where applicable;
- i. The availability of alternative locations, not subject to flooding or erosion damage, for the proposed use;
- j. The relationship of the proposed use to the comprehensive plan for that area.

SECTION D. VARIANCES PROCEDURES:

- (1) The Board of Aldermen shall hear and render judgment on requests for variances from the requirements of this ordinance.

- (2) The Board of Aldermen shall hear and render judgment on an appeal only when it is alleged there is an error in any requirement, decision, or determination made by the Floodplain Administrator in the enforcement of administration of this Ordinance.
- (3) Any person or persons aggrieved by the decision of the Board of Aldermen may appeal such decision in the courts of competent jurisdiction.
- (4) The Floodplain Administrator shall maintain a record of all actions involving an appeal and shall report variances to the Federal Emergency Management Agency upon request.
- (5) Variances may be issued for the reconstruction, rehabilitation or restoration of structures listed on the National Register of Historic Places or the State Inventory of Historic Places, without regard to the procedures set forth in the remainder of this ordinance.
- (6) Variances may be issued for new construction and substantial improvements to be erected on a lot of one-half acre or less in size contiguous to and surrounded by lots with existing structures constructed below the base flood level, providing the relevant factors in Section C (2) of this Article have been fully considered. As the lot size increases beyond the one-half acre, the technical justification required for issuing the variance increases.
- (7) Upon consideration of the factors noted above and the intent of this Ordinance, the Board of Aldermen may attach such conditions to the granting of variances as it deems necessary to further the purpose and objectives of this Ordinance (Article 1, Sections C).
- (8) Variances shall not be issued within any designated floodway if any increase in flood levels during the base flood discharge would result.
- (9) 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 a historic structure and the variance is the minimum necessary to preserve the historic character and design of the structure.

(10) Prerequisites for granting variances:

- a. variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.
- b. Variances shall only be issued upon (i) a showing of good and sufficient cause, (ii) a determination that failure to grant the variance would result in exceptional hardship to the applicant, and (iii) a determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, extraordinary public expense, create nuisances, cause fraud on or victimization of the public, or conflict with existing local laws or ordinances.
- c. Any application to whom a variance is granted shall be given written notice that the structure will be permitted to be built with the lowest floor elevation below the base flood elevation, and that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced lowest floor elevation.

- (11) Variances may be issued by a community for new construction and substantial improvements and for other development necessary for the conduct of a functionally dependent use provided that (i) the criteria outlined in Article 4, Section D1-(9) are met, and (ii) the structure or other development is protected by methods that minimize flood damages during the base flood and create no additional threats to public safety.

ARTICLE 5

PROVISIONS FOR FLOOD HAZARD REDUCTION

SECTION A. GENERAL STANDARDS:

In all areas of special flood hazards the following provisions are required for all new construction and substantial improvements:

- (1) All new construction or substantial improvements shall be designed (or modified) and adequately anchored to prevent flotation, collapse or lateral movement of the structure resulting from hydrodynamics and hydrostatic loads, including the effects of buoyancy;

- (2) All new construction or substantial improvements shall be constructed by methods and practices that minimize flood damage;
- (3) All new construction or substantial improvements shall be constructed with materials and resistant to flood damage;
- (4) All new construction or substantial improvements shall be constructed with electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding.
- (5) All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system;
- (6) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the system and discharges from the systems into flood waters; and,
- (7) On site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

SECTION B. SPECIFIC STANDARDS:

In all areas of special floodhazards where base flood elevation data has been provided as set forth in (i) Article 3, Section B, (ii) Article 4, Section B (8), or (iii) Article 5, Section C (4) the following provisions are required:

- (1) Residential Construction - New Construction and substantial improvement of any residential structure shall have the lowest floor, (including basement), elevated to or above the base flood elevation. A registered professional engineer, architect, or land surveyor shall submit a certification to the Floodplain Administrator that the standard of the subsection, as proposed in Article 4, Section C (1) (a) is satisfied.

- (2) Non-residential Construction-New Construction or substantial improvement of any commercial, industrial or other non-residential structure shall either have the lowest floor, including basement, elevated to the level of the base flood elevation or, together with attendant utility and sanitary facilities, be floodproofed so that below the base flood level the structure 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. A registered professional engineer or architect shall develop and/or review structural design, specifications, and plans for the construction, and shall certify that the design and methods of construction are in accordance with accepted standards of practice as outlined in this subsection. A record of such certification which includes the specific elevation (in relation to mean sea level) to which such structures are floodproofed shall be maintained by the Floodplain Administrator.
- (3) Enclosures - new construction and substantial improvements, with fully enclosed areas below the lowest floor that are subject to flooding shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect or meet or exceed the following minimum criteria:
- a. 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 shall be provided.
 - b. The bottom of all openings shall be no higher than one foot above grade.
 - c. Openings may be equipped with screens, louvers, valves, or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.

(4) Manufactured Homes

- a. Require that all manufactured homes to be placed within Zone A, shall be installed using methods and practices which minimize flood damage. For the purpose of this requirement, manufactured homes must be elevated and anchored to resist flotation, collapse, or lateral movement. Methods of anchoring may include, but not limited to, use of over-the-top or frame ties to ground anchors. This requirement is in addition to applicable State and local anchoring requirements for resisting wind forces.
- b. Require that manufactured homes that are placed or substantially improved within Zones AI-3D, AH, and AE on the community's Firm on sites (i) outside of a manufactured home park or subdivision, (ii) in a new manufactured home park or subdivision, (iii) in an expansion to an existing manufactured home park or subdivision, or (iv) in an existing manufactured home park or subdivision on which a manufactured home has incurred "substantial damage" as a result of a flood, be elevated on a permanent foundation such that the lowest floor of the manufactured home is elevated to or above the base flood elevation and be securely anchored to an adequately anchored foundation system to resist flotation, collapse, and lateral movement.
- c. Require that manufactured homes be placed or substantially improved on sites in an existing manufactured home park or subdivision with Zones AI-3D, AH and AE on the community's FIR_ that are not subject to the provisions of paragraph (4) of this section be elevated so that either:
 - (i) the lowest floor of the manufactured home is at or above the base flood elevation, or
 - (ii) the manufactured home chassis is supported by reinforced piers or other foundation elements of at least equivalent strength that are no less than 36 inches in height above grade and be securely anchored to an adequately anchored foundation system to resist flotation, collapse, and lateral movement.

- (5) Recreational Vehicles- Require that recreational vehicles placed on sites within Zones AI-3D, AH and AE on the community's FIRM either (i) be on the site for fewer than 180 consecutive days, (ii) be fully licensed and ready for highway use, or (iii) meet the permit requirements of Article 4, Section C (I), and the elevation and anchoring requirements for "manufactured homes" in paragraph (4) of this section. A recreational vehicle is ready for highway use if it 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.

SECTION C. STANDARDS FOR SUBDIVISION PROPOSALS

- (1) All subdivision proposals including manufactured home parks and subdivisions shall be consistent with Article 1, Section B, C, and D of this ordinance.
- (2) All proposals for the development of subdivisions including manufactured home parks and subdivisions shall meet Development Permit requirements of Article 3, Section C; and the provisions of Article 5 of this ordinance.
- (3) Base flood elevation data shall be generated for subdivision proposals and other proposed development including manufactured home parks and subdivisions which is greater than 50 lots or 5 acres, whichever is lesser, if not otherwise provided pursuant to Article 3, Section B or Article 4, Section B (8) of this ordinance.
- (4) All subdivision proposals including the placement of manufactured home parks and subdivisions shall have adequate drainage provided to reduce exposure to flood hazards.
- (5) All subdivision proposals including manufactured home parks and subdivisions shall have public utilities and facilities such as sewer, gas, electrical and water systems located and constructed to minimize or eliminate flood damage.

SECTION D. STANDARDS FOR AREAS OF SHALLOW FLOODING (-AO/AH ZONES)

Located within the areas of special flood hazard established in Article 3, Section B, are areas designated as shallow flooding.

These areas have special flood hazards-associated with base flood depths of 1 to 3 feet where a clearly defined channel does not exist and where the path of flooding is unpredictable and where velocity flow may be evident. Such flooding is characterized by ponding or sheet flow; therefore, the following provisions apply:

- (1) All new construction and substantial improvements of residential structures have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two feet if no depth number is specified).
- (2) All new construction and substantial improvements of nonresidential structures:
 - (i) have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two feet if no depth number is specified), or;
 - (ii) together with attendant utility and sanitary facilities be designated so that below the base flood level the structure is watertight with walls substantially impermeable to the passage of water and with structural components having the capability of resisting hydrostatic and hydrodynamic loads of effects of buoyancy.
- (3) A registered professional engineer or architect shall submit a certification to the Floodplain Administrator that the standards of this Section, as proposed in Article 4, Section C (1) a., are satisfied.
- (4) Require within Zones AH and AO, adequate drainage paths around structures on slopes, to guide floodwaters around and away from proposed structures.

SECTION E. COASTAL HIGH HAZARD AREAS

Located within the areas of special flood hazard established in Article 3, Section B, are areas designated as Coastal High Hazard Areas (Zones VI-30, VB and/or V). These areas have special flood hazards associated with high velocity waters from tidal surges and hurricane wave wash; therefore, in addition to meeting all provisions outlined in this ordinance, the following provisions must also apply:

- (1) 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, and whether or not such structures contain a basement. The Floodplain Administrator shall maintain a record of all such information.
- (2) All new construction shall be located landward of the reach of mean high tide.
- (3) All new construction and substantial improvements shall be elevated on pilings and columns so that:
 - (i) the bottom of the lowest horizontal structural member of the lowest floor (excluding the pilings or columns) is elevated to or above the base flood level;
 - (ii) 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 required by applicable State or local building standards. 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 (3) (i) and (ii) of this Section.
- (4) Provide that all new construction and substantial improvements have the space below the lowest floor either free of obstruction or constructed with nonsupporting breakaway walls, open wood lattice-work, 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 or nor more than 20 pounds per square foot. 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 or State codes) may be permitted only if a registered professional engineer or architect certifies that the designs proposed meet the following conditions:

- (i) breakaway wall collapse shall result from a water load less than that which would occur during the base flood; and
 - (ii) 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 required by applicable State or local building standards. Such enclosed space shall be usable solely for parking of vehicles, building access, or storage. Such space shall not be used for human habitation.
- (5) Prohibit the use of fill for structural support of buildings.
 - (6) Prohibit man-made alteration of sand dunes and mangrove stands which would increase potential flood damage. '
 - (7) Manufactured Homes

Require that manufactured homes placed or substantially improved within Zone VI-3D, V, and VE on the community's FIRM on sites (i) outside of a manufactured home park or subdivision, (ii) in a new manufactured home park or subdivision, (iii) in an expansion to an existing manufactured home park or subdivision, or (iv) in an existing manufactured home park or subdivision on which a manufactured home has incurred "substantial damage" as the result of a flood, meet the standards of paragraphs (1) through (6) of this section and that manufactured homes placed or substantially improved on other sites in an existing manufactured home park or subdivision within zones VI-3D, V, and VE on the community's FIRM meet the requirements of Article 5, Section B(4) of this ordinance.

(8) Recreational Vehicles

Require that recreational vehicles placed on sites within Zones VI-3D, V, and VE on the community's FIRM either (i) be on the site for fewer than 180 consecutive days, (ii) be fully licensed and ready for highway use, or (iii) meet the requirements in Article 3, Section C of this ordinance and paragraphs (1) through (6) of this section. A recreational vehicle is ready for highway use if it 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 additions.

ARTICLE 6

SPECIAL REQUIREMENTS WITHIN THE TOWN OF SOUTH PADRE ISLAND

Irregardless of any provision contained herein to the contrary, all structures will meet the following minimum authorization requirements, to-wit;

SECTION A.

No habitable floor of any structure may have a finished elevation of less than the required elevation established by the FIRM map.

SECTION B.

All other structures of any nature must finish floors to a minimum of six (6) feet above mean sea level, but, and in no event, may the finished bottom floor of the structure be less than 12" above the street crown upon which said structure fronts.

SECTION C.

There shall be no zones within the Town that have a permissible elevation of less than six (6) feet above mean sea level, and if any proposed map shall allow any elevation less, then this requirement of six (6) feet minimum elevation shall be met.

SECTION D.

Before any Certificate of Occupancy issued by the Town of South Padre Island, the City Manager and/or the Building Department of the Town of South Padre Island may require a certification from a licensed engineer or surveyor of the elevation of the finished floors, and if the same are not in compliance with this Ordinance and all other Ordinances of the Town, then in that event, no Certificate of Occupancy may be issued.

ARTICLE 7

This Ordinance replaces, supersedes and repeals Ordinance No. 62B heretofore enacted by the Town of South Padre Island, Texas.

ARTICLE 8

A. VIOLATIONS AND PENALTIES:

Any person, firm, corporation or agency who shall violate a provision of this regulation, or fail to comply therewith, or with any of the requirements thereof, or who shall erect, construct, or alter, any structure, or shall place any fill material, in violation of the detailed statement or drawing submitted and approved thereunder, shall be guilty of contempt of the Board of Aldermen of the Town of South Padre Island, Texas. Each such person shall be deemed guilty of a separate offense for each and every day, or portion thereof, during which any violation of any of the provisions of this regulation is committed, or continued. The Floodplain Administrator is authorized to file with the Municipal Clerk a citation suggesting contempt for failure to comply with these regulations. After filing, said citation shall be presented to the Municipal Judge who shall set a day and time for the Respondent to appear and show cause why he should not be held in contempt, which time shall not be less than ten (10) nor more than twenty (20) days from the date of filing of said citation, whereupon the clerk shall issue a citation and notice of setting for service upon said Respondent. At said hearing Respondent shall be accorded the right to counsel, the right of confrontation, the right to summon and examine witnesses, and the right to testify and offer evidence in his behalf. If after such hearing he should be held in violation of the regulations and/or in contempt of the Orders as expressed in these regulations, then he may be punished by a fine not to exceed \$500.00 for each offense or by imprisonment not to exceed twenty-four hours for each offense.

B. RIGHT OF ENTRY:

The Floodplain Administrator, or his duly authorized representative, may enter any building, structure, or premises to perform any duties imposed upon him by this regulation.

c. STOP WORK ORDERS:

Upon notice from the Floodplain Administrator that work on any building, structure, dike, bridge, or any improvement which would affect water drainage, is being done contrary to the provisions of this regulation, or in a dangerous or unsafe manner, such work shall be immediately stopped. Such notice shall be in writing and shall be given to the owner of the property or to his agent, or to the person doing the work, and shall state the conditions under which work may be resumed. Where an emergency exists, no written notice shall be required to be given by the Floodplain Administrator, provided, written notice shall follow within twenty-four (24) hours from the time oral notice to stop work is issued.

D. REVOCATION OF PERMIT:

The Floodplain Administrator may revoke a permit or approval issued under the provisions of this regulation, in cases where there has been any false statement or misrepresentation as to a material fact in the application or plans upon which the permit or approval was based.

ARTICLE 9

If any section, paragraph, subdivision, clause, phrase, or provision of this Ordinance shall be adjudged invalid or held unconstitutional, the same shall not affect the validity of this Ordinance as a whole or any part or provision thereof, other than the part so decided to be invalid or unconstitutional.

This Ordinance shall become effective when published in summary form according to law.

PASSED, ADOPTED and APPROVED on First Reading, this the

7 day of July, 2004.

PASSED, ADOPTED and APPROVED on Second Reading, this the

21 day of July, 2004.

Robert N. Pinkerton, Jr.
Robert N. Pinkerton, Jr., Mayor

ATTEST:



Joy Adams
Town Secretary