

**ORDINANCE NUMBER 11**

AN ORDINANCE OF THE TOWNSHIP OF MARION AMENDING THE FLOODPLAIN MANAGMENT ORDINANCE ADOPTED BY MARION TOWNSHIP APRIL 13, 198 7, BY ADDING PROVISIONS RELATIVE TO FEDERAL FLOODPLAIN MANAGEMENT REGULATIONS AND TO ADD NEW PROVISIONS FOR THE SPECIAL PERMIT ACTIVITIES: AND REPEALING INCONSISTENT PROVISIONS OF ALL PRIOR ORDINANCES.

BE IT ENACTED AND ORDAINED by the Township of Marion, Centre County, Pennsylvania, and it is hereby enacted and ordained by the authority of the same as follows:

ARTICLE I:

It is the intent of the Township Supervisor of Marion Township to amend the previous Floodplain Management Ordinance adopted April 13, 1987, by the following amendments.

ARTICLE II: Section 3.01 shall be replaced by the following:

Section 3.01 For the purposes of this Ordinance, the One hundred (100) year flood elevation shall be used as the basis for regulation. When available, information from other Federal, State, and other acceptable sources shall be used to determine the one hundred (100) year elevation, as well as a floodway area, if possible. When no other information is available, the one hundred (100) year elevation shall be determined by using a point on the boundary of the identified floodplain area which is nearest the construction site in question.

In lieu of the above, the municipality may require the applicant to determine the elevation with hydrologic and hydraulic engineering techniques. Hydrologic and hydraulic analyses shall be undertaken only by professional engineers or other of demonstrated qualifications, who shall certify that the technical methods used correctly reflect currently accepted technical concepts. Studies, analyses, computations, etc., shall be submitted in sufficient detail to allow a thorough technical review by the Borough.

ARTICLE III: The last paragraph of Section 4.00D shall be changed to read:

Section 4.00D Any non-residential structure, or part thereof, having a lowest floor which is not elevated to at least one and one half (1 1/2) feet above the one hundred (100) year flood elevation, shall be floodproofed in a completely or essentially dry manner in accordance with the W1 or W2 space classification standards contained in the publication entitled "Flood-Proofing Regulations" published by the U.S. Army Corps of Engineers (June 1972), or with some other equivalent standard. All plans and specifications for

such floodproofing shall be accompanied by a statement certified by a registered professional engineer or architect with states that the proposed design and methods of construction are in conformance with the above referenced standards.

ARTICLE IV: A new Section 4.00E shall be added to read:

Section 4,00E Within any floodway area, no new construction or development shall be permitted that would cause any increase in the one hundred (100 year flood elevation).

ARTICLE V: A new Section 4.00F shall be added to read:

Section 4:00F Within any identified floodplain area, fully enclosed spaces below the lowest floor of any new or substantially improved structure shall be prohibited.

ARTICLE VI: Section 4.03 shall be replaced by the following:

Section 4.03 Special Requirements for Manufactured Homes

A. Where permitted within any identified floodplain area, all manufactured homes and additions thereto shall be:

1. Placed on a permanent foundation,
2. Elevated so that the lowest floor of the manufactured home is one and one half (1 1/2) feet or more above the elevation of the one hundred year flood,
3. Anchored to resist flotation, collapse, or lateral movement.

ARTICLE VII: New sections numbered 5.01, 5.02, and 5.03 shall be added to the original Article V to read:

Section 5.01 Application Requirements for Special Permits

Applicants for Special Permits shall provide five copies of the following items:

A. A written request including a completed Building Permit Application Form.

B. A small scale map showing the vicinity in which the proposed site is located.

C. A plan of the entire site, clearly and legibly drawn at a scale of one (1) inch being equal to one hundred (100) feet or less, showing the following:

1. north arrow, scale and date;

2. topography based upon the National Geodetic Vertical Datum of 1929, showing existing and proposed contours at intervals of two (2) feet;

3. all property and lot lines including dimensions, and the size of the site expressed in acres or square feet?

4. the location of all existing streets, drives, other accessways, and parking areas, with information concerning widths, pavement types and construction, and elevations;

5. the location of any existing bodies of water or watercourses, buildings, structures and other public or private facilities, including railroad tracks and facilities, and any other natural and man-made features affecting, or affected by, the proposed activity or development;

6. the location of the floodplain boundary line, information and spot elevations concerning the one hundred (100) year flood elevations, and information concerning the flow of water including direction and velocities;

7. the location of all proposed buildings, structures, utilities, and any other improvements; and

8. any other information which the municipality considers necessary for adequate review of the application.

D. Plans of all proposed buildings, structures, and other improvements, clearly and legibly drawn at suitable scale showing the following:

1. sufficiently detailed architectural or engineering drawings including floor plans, sections, and exterior building elevations, as appropriate;

2. for any proposed building, the elevation of the lowest floor (including basement) and, as required, the elevation of any other floor;

3. complete information concerning flood depths, pressures, velocities, impact and uplift forces, and other factors associated with the one hundred (100) year flood;

4. detailed information concerning any proposed flood-proofing measures;

5. cross-section drawings for all proposed streets, drives, other accessways, and parking areas, showing all rights-of-way and pavement widths;

6. profile drawings for all proposed streets, drives, and vehicular accessways including existing and proposed grades; and

7. plans and profiles of all proposed sanitary and storm sewer systems, water supply systems, and any other utilities and facilities.

E. The following data and documentation:

1. certification from the applicant that the site upon which the activity or development is proposed is an existing separate and single parcel, owned by the applicant or the client he represents:

2. certification from a registered professional engineer, architect, or landscape architect that the proposed construction has been adequately designed to protect against damage from the one hundred (100) year flood;

3. a statement, certified by a registered professional engineer, architect, landscape architect, or other qualified person which contains a complete and accurate description of the nature and extent of pollution that might possibly occur from the development during the course of a one hundred (100) year flood, including a statement concerning the effects such pollution may have on human life;

4. a statement certified by a registered professional engineer, architect, or landscape architect, which contains a complete and accurate description of the effects the proposed development will have on one hundred (100) year flood elevations and flows;

5. a statement, certified by a registered professional engineer, architect, or landscape architect, which contains a complete and accurate description of the kinds and amounts of any loose buoyant materials or debris that may possibly exist or be located on the site below the one hundred (100) year flood elevation and the effects such materials and debris may have on one hundred (100) year flood elevations and flows;

6. the appropriate component of the Department of Environmental Resources' "Planning Module for Land Development";

7. where any excavation or grading is proposed, a plan meeting the requirements of the Department of Environmental Resources to implement and maintain erosion and sedimentation control:

8. any other applicable permits such as, but not limited to, a permit for any activity regulated by the Department of Environmental Resources under Section 302 of Act 1978-166; and

9. an evacuation plan which fully explains the manner in which the site will be safely evacuated before or during the course of a one hundred (100) year flood.

## Section 5.02 Application Amendment Procedure

Upon receipt of an application for a Special Permit by the Township the following procedures shall apply in addition to those of Article II:

A. Within three(3) working days following receipt of the application, a complete copy of the application and all accompanying documentation shall be forwarded to the County Planning Commission by registered or certified mail for its review and recommendations. Copies of the application shall also be forwarded to the Township Planning Commission and Township Engineer for review, and comment.

B. If an application is received that is incomplete, the Township shall notify the applicant in writing, stating in what respect the application is deficient.

C. If the Township decides to disapprove an application, it shall notify the applicant, in writing, of the reasons for the disapproval.

D. If the Township approves an application, it shall file written notification, together with the application and all pertinent information, with the Department of Community Affairs, by registered or certified mail, within five (5) working days after the date of approval.

E. Before issuing the Special Permit, the Township shall allow the Department of Community Affairs thirty (30) days, after receipt of the notification by the Department, to review the application and decision made by the Township.

F. If the Township does not receive any communication from the Department of Community Affairs during the thirty (30) day review period, it may issue a Special Permit to the applicant.

G. If the Department of Community Affairs should decide to disapprove an application, it shall notify the Township and the applicant, in writing, of the reasons for the disapproval, and the Township, shall not issue the Special Permit.

## Section 5.03 Special Technical Requirement

A. In addition to the requirements of Article IV of this Ordinance, the following minimum requirements shall also apply to any proposed development requiring a Special Permit. If there is any conflict between any of the following requirements and those in Article IV of this Ordinance or in any other code, ordinance, or regulation, the more restrictive provision shall apply.

B. No application for a Special Permit shall be approved unless it can be determined that the structure or activity will be located, constructed and maintained in a manner which will:

1. Fully protect the health and safety of the general public and any occupants of the structure. At a minimum, all new structures shall be designed, located, and constructed so that:

a. the structure will survive inundation by waters of the one hundred (100) year flood without any lateral movement or damage, to either the structure itself, or to any of its equipment or contents below the one hundred (100) year flood elevation.

b. the lowest floor elevation will be at least one and one-half (1 1/2) feet above the one hundred (100) year flood.

c. the occupants of the structure can remain inside for an indefinite period of time and be safely evacuated at any time during the one hundred (100) year flood.

2. Prevent any significant possibility of pollution, increased flood levels or flows, or debris endangering life and property.

All hydrologic and hydraulic analyses shall be undertaken only by professional engineers or other of demonstrated qualifications, who shall certify that the technical methods used correctly reflect currently accepted technical concepts. Studies, analyses, computations, etc. shall be submitted in sufficient detail to allow a thorough technical review by the Township and the Department of Community Affairs.

ARTICLE VIII: The following definitions shall be changed:

1. In section 8.01 I., the definition of "mobile home" is replaced with the following definition of "manufactured home":

Manufactured home--a structure, transportable in one or more sections, which is built on a permanent chassis and is designed for use with or without a permanent foundation when connected to the required utilities. The term includes park trailers, travel trailers, recreational, and other similar vehicles placed on a site for more than 180 consecutive days.

2. In Section 8.01 J., the definition of "mobile home park" is replaced with the following definition of "manufactured home park":

Manufactured home park--a parcel (or contiguous parcels) or land which has been planned and improved for the placement of two or more manufactured homes.

ARTICLE IX: A new definition labeled R. shall be added to Section 8.01 to read:

R. Lowest floor--means the lowest floor of the lowest enclosed area (including basement). An unfinished or flood resistance enclosure, usable solely for parking of vehicles,

building access or storage in an area other than a basement area 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 applicable non-elevation design requirements of the National Flood Insurance Program.

ARTICLE X: A new definition labeled S. shall be added to Section 8.01 to read:

S. Floodway--the designated area of a floodplain required to carry and discharge flood waters of a given magnitude. For the purposes of this Ordinance, the floodway shall be capable of accommodating a flood of the one hundred (100) year magnitude.

ARTICLE XI: A new definition labeled T shall be added to Section 8.01 to read:

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

ARTICLE XII: A new provision labeled G shall be added to Section 7.01 to read:

G. No variance shall be granted for any construction, development, use, or activity within any floodway area that would cause may increase in the one hundred (100) year flood elevation.

ARTICLE XIII:

The term "mobile home" is replaced with the term "manufactured home" throughout the provisions.

The terms "mobile home park" and "mobile home subdivision" are replaced with the terms "manufactured home park" and "manufactured home subdivision" respectively, throughout the provisions.

ARTICLE XV:

All provisions of the previously enacted Ordinance inconsistent herewith are hereby repealed.

ENACTED as an ordinance of the Township of Marion at a regular meeting held on the ninth (9) day of May, 1988 .

Township of Marion

CERTIFICATE OF SECRETARY

I hereby certify that I am the Secretary-Treasurer of the Marion Township Board of Supervisors and that the foregoing ordinance was adopted by the Board of Supervisors of Marion Township at their regular township meeting held May 9, 1988; and further that said ordinance was properly advertised prior to adoption and that said ordinance is in full force and effect.

TOWNSHIP OF MARION

May 19, 1988



AN ORDINANCE REQUIRING ALL PERSONS, PARTNERSHIPS, BUSINESSES AND CORPORATIONS IN MARION TOWNSHIP TO OBTAIN A BUILDING PERMIT FOR ANY CONSTRUCTION OR DEVELOPMENT; PROVIDING FOR THE ISSUANCE OF SUCH BUILDING PERMITS; SETTING FORTH

- CERTAIN MINIMUM REQUIREMENTS FOR NEW CONSTRUCTION AND DEVELOPMENT WITHIN AREAS OF THE TOWNSHIP WHICH ARE SUBJECT TO FLOODING; AND ESTABLISHING PENALTIES FOR ANY PERSONS WHO FAIL OR REFUSE TO COMPLY WITH THE REQUIREMENTS OR PROVISIONS OF THIS ORDINANCE

BE IT ENACTED AND ORDAINED by the Township of Marion, Centre County, Pennsylvania, and it is hereby enacted and ordained by the authority of the same as follows:

#### ARTICLE I. GENERAL PROVISIONS

##### Section 1.00 Intent

The intent of this Ordinance is to:

- A. Promote the general health, welfare and safety of the community.
- B. Encourage the utilization of appropriate construction practices in order to prevent or minimize flood damage in the future.
- C. Minimize danger to public health by protecting water supply and natural drainage.
- D. Reduce financial burdens imposed on the community, its governmental units, and its residents, by preventing excessive development in areas subject to flooding.
- E. Comply with federal and state floodplain management requirements.

##### Section 1.01 Applicability

- A. It shall be unlawful for any person, partnership, business or corporation to undertake, or cause to be undertaken any construction or development anywhere

within the Township unless a Building Permit has been obtained from the Township officer authorized to issue building permits as provided in other ordinances of this Township.

- B. A Building Permit shall not be required for minor repairs to existing buildings or structures, as set forth in other ordinances of this Township.

#### Section 1.02 Abrogation and Greater Restrictions

This Ordinance supersedes any other conflicting provisions which may be in effect in identified floodplain areas. However, any other ordinance provisions shall remain in full force and effect to the extent that those provisions are more restrictive. If there is any conflict between any of the provisions of this Ordinance, the more restrictive shall apply.

#### Section 1.03 Severability

If any section, subsection, paragraph, sentence, clause or phrase of this Ordinance shall be declared invalid for any reason whatsoever, such decision shall not affect the remaining portions of this Ordinance, which shall remain in full force and effect, and for this purpose the provisions of this Ordinance are hereby declared to be severable.

#### Section 1.04 Warning and Disclaimer of Liability

The degree of flood protection sought by the provisions of this Ordinance is considered reasonable for regulatory purposes and is based on acceptable engineering methods of study. Larger floods may occur. Flood heights may be increased by man-made or natural causes, such as ice jams and bridge openings restricted by debris. This Ordinance does not imply that areas outside any identified floodplain area, or that land uses permitted within such areas will be free from flooding or flood damages.

This Ordinance shall not create liability on the part of the Township 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 II. ADMINISTRATION

#### Section 2.00 Building Permits Required

As required by other ordinances of this Township, building permits are required before any construction or development is undertaken within any area of the Township.

## Section 2.01 Issuance of Building Permit

- A. The Building Permit Officer shall issue a Building Permit **only** after it has been determined that the proposed work to be undertaken will be in conformance with the requirements of this and all other applicable codes and ordinances.
- B. Prior to the issuance of any building permit the Building Permit Officer shall review the application for permit to determine if all other necessary government permits required by state and federal laws have been obtained, such as those required by the Pennsylvania Sewage Facilities Act (Act 1966-537, as amended); the Pennsylvania Dam Safety and Encroachments Act (Act 1978-325, as amended); the Pennsylvania Clean Streams Act (Act 1937-394, as amended); the U.S. Clean Water Act, Section 404, 33, U.S.C. 1344. No permit shall be issued until this determination has been made.
- C. No encroachment, alteration or improvement of any kind shall be made to any watercourse until all adjacent municipalities which may be affected by such action have been notified by the Township, and until all required permits or approvals have been first obtained from the Department of Environmental Resources, Bureau of Dams and Waterway Management.

In addition, the Federal Insurance Administrator and Pennsylvania Department of Community Affairs, Bureau of Community Planning, shall be notified by the Township prior to any alteration or relocation of any watercourse.

## Section 2.02 Application Procedures and Requirements

- A. Application for such a building permit shall be made, in writing, to the Building Permit Officer on forms supplied by the Township. Such application shall contain the following:
1. Name and address of applicant.
  2. Name and address of owner of land on which proposed construction is to occur.
  3. Name and address of contractor.
  4. Site location.
  5. Listing of other permits required.
  6. Brief description of proposed work and estimated cost.

7. A plan of the site showing the exact size and location of the proposed construction as well as any existing buildings or structures.

If any proposed construction or development is located entirely or partially within any identified floodplain area, applicants for Building Permits shall provide all the necessary information in sufficient detail and clarity to enable the Building Permit Officer to determine that:

- (a) all such proposals are consistent with the need to minimize flood damage and conform with the requirements of this and all other applicable codes and ordinances;
- (b) **all** utilities and facilities, such as sewer, gas, electrical and water systems are located and constructed to minimize or eliminate flood damage; **and**
- (c) adequate drainage is provided so as to reduce exposure to flood hazards.

Applicants shall file the following minimum information plus any other pertinent information (e.g., any or all of the technical information contained in Section 5.01)' as may be required by the Building Permit Officer to make the above determination:

1. A completed Building Permit Application Form.
2. A plan of the entire site, clearly and legibly drawn at a scale of one (1) inch being equal to one hundred (100) feet or less, showing the following:
  - a. north arrow, scale, and date?
  - b. topographic contour lines, if available;
  - c. all property and lot lines including dimensions, and the size of the site expressed in acres or square feet;
  - d. the location of all existing and proposed buildings, structures, and other improvements, including the location of any existing or proposed subdivision and land development;
  - e. the location of all existing streets, drives, and other accessways; and
  - f. the location of any existing bodies of water or watercourses, identified floodplain area, and,

if available, information pertaining to the floodway, and the flow of water including direction and velocities.

Plans of all proposed buildings, structures and other improvements, drawn at suitable scale showing the following:

- a. the proposed lowest floor elevation of any proposed building based upon National Geodetic Vertical Datum of 1929;
- b. the elevation of the one hundred (100) year flood;
- c. if available, information concerning flood depths, pressures, velocities, impact and uplift forces and other factors associated with a one hundred (100) year flood; and
- d. detailed information concerning any proposed flood-proofing measures.

The following data and documentation:

- a. detailed information needed to determine compliance with Section 4.01 F., Storage, and Section 4.02, Development Which May Endanger Human Life, including
  - i) the amount, location and purpose of any dangerous materials or substances which are intended to be used, produced, stored or otherwise maintained on site.
  - ii) a description of the safeguards incorporated into the design of the proposed structure to prevent leaks or spills of the dangerous materials or substances listed in Section 4.02 during a one hundred (100) year flood.
- b. the appropriate component of the Department of Environmental Resources' "Planning Module for Land Development.
- c. where any excavation or grading is proposed, a plan meeting the requirements of the Department of Environmental Resources, to implement and maintain erosion and sedimentation control.

### Section 2.03 Review by County Conservation District

A copy of all applications and plans for any proposed construction or development in any identified floodplain area to be considered for approval shall be submitted by the Building Permit Officer to the County Conservation District for review and comment prior to the issuance of a building permit. The recommendations of the Conservation District shall be considered by the Building Permit Officer for possible incorporation into the proposed plan.

### Section 2.04 Review of Application by Others

. A copy of all plans and applications for any proposed construction or development in any identified floodplain area to be considered for approval may be submitted by the Building Permit Officer to any other appropriate agencies and/or individuals (e.g. planning commission, municipal engineer, etc.) for review and comment.

### Section 2.05 Changes

After the issuance of a building permit by the Building Permit Officer, no changes of any kind shall be made to the application, permit, or any of the plans, specifications or other documents submitted with the application without the written consent or approval of the Building Permit Officer. Requests for any such change shall be in writing, and shall be submitted by the applicant to the Building Permit Officer for consideration.

### Section 2.06 Placards

In addition to the building permit, the Building Permit Officer shall issue a placard which shall be displayed on the premises during the time construction is in progress. This placard shall show the number of the building permit, the date of its issuance and be signed by the Building Permit Officer.

### Section 2.07 Start of Construction

Work on the proposed construction and/or development shall begin within six (6) months and shall be completed within twelve (12) months after the date of issuance of the building permit or the permit shall expire unless a time extension is granted, in writing, by the Building Permit Officer. Construction and/or development shall be considered to have started with the preparation of land, land clearing, grading, filling, excavation for basement, footings, piers, or foundations, erection of temporary forms, the installation of piling under proposed subsurface footings, or the installation of sewer, gas and water pipes, or electrical or other service lines from the street.

Time extensions shall be granted only if a written request is submitted by the applicant, which sets forth sufficient and reasonable cause of the Building Permit Officer to approve such a request.

#### Section 2.08 Inspection and Revocation

- A'. During the construction period, the Building Permit Officer or other authorized official shall inspect the premises to determine that the work is progressing in compliance with the information provided on the permit application and with all applicable Township laws and ordinances. He shall make as many inspections during and upon completion of the work as are necessary.
- B. In the discharge of his duties, the Building Permit Officer shall have the authority to enter any building, structure, premises or development in the identified flood-prone area, upon presentation of proper credentials, at any reasonable hour to enforce the provisions of this Ordinance.
- C. In the event the Building Permit Officer discovers that the work does not comply with the permit application or any applicable laws and ordinances, or that there has been a false statement or misrepresentation by any applicant, the Building Permit Officer shall revoke the building permit and report such fact to the Board, for whatever action it considers necessary.
- D. A record of all such inspections and violations of this ordinance shall be maintained.

#### Section 2.09 Fees

The fees for a Building Permit shall be as provided in other ordinances of this Township establishing fees for building permits.

#### Section 2.10 Enforcement

##### A. Notices

Whenever the Building Permit Officer or other authorized municipal representative determines that there are reasonable grounds to believe that there has been a violation of any provisions of this Ordinance, or of any regulation adopted pursuant thereto, the Building Permit Officer shall give notice of such alleged violation as hereinafter provided. Such notice shall (a) be in writing; (b) include a statement of the reasons for its issuance; (c) allow a

reasonable time not to exceed a period of thirty (30) days for the performance of any act it requires; (d) be served upon the property owner or his agent as the case may require; provided, however, that such notice or order shall be deemed to have been properly served upon such owner or agent when a copy thereof has been served with such notice by any other method authorized or required by the laws of this state; (e) contain an outline of remedial action which, if taken, will effect compliance with the provisions of this Ordinance.

B. Penalties

Any person who fails to comply with any or all of the requirements or provisions of this Ordinance or who fails or refuses to comply with any notice, order or direction of the Building Permit Officer or any other authorized employee of the municipality shall be guilty of an offense and, upon conviction, shall pay a fine to the Township of not less than Twenty-five Dollars (\$25.00) nor more than Three Hundred Dollars (\$300.00) plus costs of prosecution. In default of such payment, such person shall be imprisoned in county prison for a period not to exceed ten (10) days. Each day during which any violation of this Ordinance continues shall constitute a separate offense. In addition to the above penalties all other actions are hereby reserved including an action in equity for the proper enforcement of this Ordinance. The imposition of a fine or penalty for any violation of, or noncompliance with, this Ordinance shall not excuse the violation or noncompliance or permit it to continue and all such persons shall be required to correct or remedy such violations and noncompliances within a reasonable time. Any development initiated or any structure or building constructed, reconstructed, enlarged, altered, or relocated, in noncompliance with this Ordinance may be declared by the Board to be a public nuisance and abatable as such.

Section 2.11 Appeals

- A. Any person aggrieved by an action or decision of the Building Permit Officer concerning the administration of the provisions of this Ordinance may appeal to the Board. Such appeal must be filed, in writing, within thirty (30) days after the decision or action of the Building Permit Officer.
- B. Upon receipt of such appeal the Board shall set a time and place, within not less than ten (10) nor more than thirty (30) days, for the purpose of considering the appeal. Notice of the time and place at which the appeal will be considered shall be given to all parties.



- C. Any person aggrieved by any decision of the Board may seek relief therefrom by appeal to court, as provided by the laws of the Commonwealth including the Pennsylvania Flood Plain Management Act.

ARTICLE III. IDENTIFICATION OF FLOODPLAIN AREAS

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Section 3.00 Identification

The identified floodplain area shall be any area of the Township of Marion, subject to the one hundred (100) year flood, which, is identified as Zone A on the Flood Hazard Boundary Map of the most recent date, or on the most recent Flood Insurance Rate Map issued by FEMA, if such map has been prepared for the . Township.

Section 3.01 Determination of the One Hundred (100) Year Flood Elevation

For the purposes of this Ordinance, the one hundred (100) year flood elevation shall be used as the basis for regulation. To determine the one hundred year flood elevation, the elevation at a given point on the boundary of the identified floodplain area which is nearest the construction site in question will be used. In helping to make this necessary elevation determination, other sources of data, where available, shall be used such as:

- A. Corps of Engineers - Flood Plain Information Reports
- B. U.S. Geological Survey - Flood Prone Quadrangles
- C. U.S.D.A., Soil Conservation Service - County Soil Surveys (Alluvial Soils) or P.L, 566 Flood Information
- D. Pennsylvania Department of Environmental Resources - Flood Control Investigations
- E. Known Highwater Marks from Past Floods
- F. Other sources

In lieu of the above, the municipality may require the applicant to determine the elevation with hydrologic and hydraulic engineering techniques. Hydrologic and hydraulic analyses shall be undertaken only by professional engineers or others of demonstrated qualifications, who shall certify that the technical methods used correctly reflect currently accepted technical concepts. Studies, analyses, computations, etc., shall be submitted in sufficient detail to allow a thorough technical review by the Township.

### Section 3.02 Changes in Identification of Area

The identified floodplain area may be revised or modified by the Board where studies or information provided by a qualified agency or person documents the need for such revision. However, prior to any such change, approval must be obtained from the Federal Insurance Administration (FIA).

### Section 3.03 Boundary Disputes

Should a dispute concerning any identified floodplain boundary arise, an initial determination shall be made by the Township Planning Commission and any party aggrieved by this decision may appeal to the Board. The burden of proof shall be on the appellant.

## ARTICLE IV. GENERAL TECHNICAL REQUIREMENTS

### Section 4.00 General

- A. In the identified floodplain area, the development and/or use of any land shall be permitted provided that the development and/or use complies with the restrictions and requirements of this and all other applicable codes and ordinances in force in the municipality.
- B. Within any identified floodplain area, no new construction or development shall be located within the area measured fifty (50) feet landward from the top-of-bank of any watercourse, unless a permit is obtained from the Department of Environmental Resources, Bureau of Dams and Waterway Management.
- C. Within any identified floodplain area, the elevation of the lowest floor (including basement) of any new or substantially improved residential structure shall be one and one-half (1 1/2) feet or more above the one hundred (100) year flood elevation.
- D. Within any identified floodplain area, the elevation of the lowest floor (including basement) of any new or substantially improved non-residential structure shall be one and one-half (1 1/2) feet or more above the one hundred (100) year flood elevation or be flood-proofed up to that height.

Any non-residential structure, or part thereof, which will not be completely or adequately elevated, shall be flood-proofed in accordance with the provisions of this Article. Additional information may be obtained from the publication entitled "Flood-Proofing Regulations" (U.S. Army Corps of Engineers, June 1972).

The following minimum standards shall apply for all construction and development proposed within any identified floodplain area:

A. Fill

If fill is used, it shall:

1. extend laterally at least fifteen (15) feet beyond the building line from all points;
2. consist of soil or small rock materials only - Sanitary Landfills shall not be permitted;
3. be compacted to provide the necessary permeability and resistance to erosion, scouring, or settling;
4. be no steeper than one (1) vertical to two (2) horizontal, feet unless substantiated data, justifying steeper slopes are submitted to and approved by the Building Permit Officer; and
5. be used to the extent to which it does not adversely affect adjacent properties.

B. Drainage Facilities

Storm drainage facilities shall be designed to convey the flow of storm water runoff in a safe and efficient manner. The system shall insure proper drainage along streets, and provide positive drainage away from buildings. The system shall also be designed to prevent the discharge of excess runoff onto adjacent properties.

C. Water and Sanitary Sewer Facilities and Systems

1. All new or replacement water and sanitary sewer facilities and systems shall be located, designed and constructed to minimize or eliminate flood damages and the infiltration of flood waters.
2. Sanitary sewer facilities and systems shall be designed to prevent the discharge of untreated sewage into flood waters.
3. No part of any on-site sewage system shall be located within any identified floodplain area except in strict compliance with all state and local regulations for such systems. If any such system is permitted, it shall be located so as to avoid impairment to it, or contamination from it, during a flood.

D. Other Utilities

All other utilities such as gas lines, electrical and telephone systems shall be located, elevated (where possible) and constructed to minimize the chance of impairment during a flood.

E. Streets

The finished elevation of all new streets shall be no more than one (1) foot below the Regulatory Flood Elevation.

F. Storage

All materials that are buoyant, flammable, explosive or, in times of flooding could be injurious to human, animal or plant life, and not listed in Section 4.02, Development Which May Endanger Human Life, shall be stored at or above the Regulatory Flood Elevation and/or floodproofed to the maximum extent possible.

G. Placement of Buildings and Structures

All buildings and structures shall be designed, located, and constructed so as to offer the minimum obstruction to the flow of water and shall be designed to have a minimum effect upon the flow and height of flood water.

H. Anchoring

1. All buildings and structures shall be firmly anchored in accordance with accepted engineering practices to prevent flotation, collapse, or lateral movement.
2. All air ducts, large pipes, storage tanks, and other similar objects or components located below the Regulatory Flood Elevation shall be securely anchored or affixed to prevent flotation.

I. Floors, Walls and Ceilings

1. Wood flooring used at or below the Regulatory Flood Elevation shall be installed to accommodate a lateral expansion of the flooring,, perpendicular to the flooring grain without causing structural damage to the building.
2. Plywood used at or below the Regulatory Flood Elevation shall be of a "marine" or "water-resistant" variety.
3. Walls and ceilings at or below the Regulatory Flood Elevation shall be designed and constructed of materials that are water-resistant and will withstand inundation.

4. Windows, doors and other components at or below the Regulatory Flood Elevation shall be made of metal or other water-resistant material.

J. Paint and Adhesives

1. Paints or other finishes used at or below the Regulatory Flood Elevation shall be of "marine" or water-resistant quality.
2. Adhesives used at or below the Regulatory Flood Elevation shall be of a "marine" or water-resistant variety.
- 3. All wooden components (doors, trim, cabinets, etc.) shall be finished with a "marine" or water-resistant paint or other finishing materials.

K. Electrical Components

1. Electrical distribution panels shall be at least three (3) feet above the one-hundred (100) year flood elevation.
2. Separate electrical circuits shall serve lower levels and shall be dropped from above.

L. Equipment

1. Water heaters, furnaces, air conditioning and ventilating units, and other mechanical or utility equipment or apparatus shall not be located below the Regulatory Flood Elevation.

M. Fuel Supply Systems

1. All gas and oil supply systems shall be designed to prevent the infiltration of flood waters into the system and discharges from the system into flood waters. Additional provisions shall be made for the drainage of these systems in the event that flood water infiltration occurs.

Section 4.02 Development Which May Endanger Human Life

- A. In accordance with the Pennsylvania Flood Plain Management Act, and the regulations adopted by the Department of Community Affairs as required by the Act, and new or substantially improved structure which:

- will be used for the production or storage or any of the following dangerous materials or substances; or

- will be used for any activity requiring the maintenance of a supply of more than 550 gallons, or other comparable volume, of any of the following dangerous materials or substances on the premises, or
- will involve the production, storage, or use of any amount of radioactive substances;

shall be subject to the provisions of this section, in addition to all other applicable provisions. The following list of, materials and substances are considered dangerous to human life:

1. Acetone
2. Ammonia
3. Benzene
4. Calcium carbide
5. Carbon disulfide
6. Celluloid
7. Chlorine
8. Hydrochloric acid
9. Hydrocyanic acid
10. Magnesium
11. Nitric acid and oxides of nitrogen
12. Petroleum products (gasoline, fuel oil, etc.)
13. Phosphorus
14. Potassium
15. Sodium
16. Sulphur and sulphur products
17. Pesticides (including insecticides, fungicides and rodenticides)
18. Radioactive substances, insofar as such substances are not otherwise regulated.

Where permitted within any identified floodplain area, any new or substantially improved structure of the kind described in Subsection A above, shall be:

1. elevated or designed and constructed to remain completely dry up to at least one and one-half (1 1/2) feet above the one hundred (100) year flood and,
2. Designed to prevent pollution from the structure or activity during the course of a one-hundred (100) year flood.

Any such structure, or part thereof, that will be built below the Regulatory Flood Elevation shall be designed and constructed in accordance with the standards for completely

dry flood-proofing contained in the publication "Flood-Proofing Regulations" (U.S. Army Corps of Engineers, June 1972), or with some other equivalent watertight standard.

#### Section 4.03 Special Requirements for Mobile Homes

- A. Where permitted within any identified floodplain area, all mobile homes and additions thereto shall be:
  - 1. anchored to resist flotation, collapse, or lateral movement by providing over-the-top and frame ties to ground anchors in accordance with the American National Standards as specified in the Standard for the Installation of Mobile Homes Including Mobile Home Park Requirements (NFPA No. 501A-1974 (ANSI A119.3-1975) as amended for Mobile Homes in Hurricane Zones or other appropriate standards such as the following:
    - a. over-the-top ties shall be provided at each of the four (4) corners of the mobile home, with two (2) additional ties per side at intermediate locations for units fifty (50) feet or more in length, and one (1) additional tie per side for units less than fifty (50) feet in length.
    - b. frame ties shall be provided at each corner of the mobile home, with five (5) additional ties per side at intermediate locations for units fifty (50) feet or more in length, and four (4) additional ties per side for units less than fifty (50) feet in length.
- B. An evacuation plan indicating alternate vehicular access and escape routes shall be filed with appropriate Township officials for mobile home parks.

#### ARTICLE V. ACTIVITIES REQUIRING SPECIAL PERMITS

#### Section 5.00 General

In accordance with the administrative regulations promulgated by the Department of Community Affairs to implement the Pennsylvania Flood Plan Management Act, the following activities shall be prohibited within any identified floodplan area unless a Special Permit has been issued by the Township:

- A. The commencement of any of the following activities; or the construction, enlargement or expansion of any structure used, or intended to be used, for any of the following activities:

1. hospitals
2. nursing homes
3. jails or prisons

B. The commencement of, or any construction of, a new mobile home park or mobile home subdivision, or substantial improvement to an existing mobile home park or mobile home subdivision.

## ARTICLE VI. EXISTING STRUCTURES IN IDENTIFIED FLOODPLAIN AREAS

### Section 6..0P Existing Structures

The provisions of this Ordinance do not require any changes or , improvements to be made to lawfully existing structures. However, when an improvement is made to any existing structure, the provisions of Section 6.01 shall apply.

### Section 6.01 Improvements

The following provisions shall apply whenever any improvement is made to an existing structure located within any identified floodplan area:

- A. Any modification, alteration, reconstruction or improvement of any kind to an existing structure, to an extent or amount of fifty (50) percent or more of its market value, shall constitute a substantial improvement and shall be undertaken only in full compliance with the provisions of this Ordinance

## ARTICLE VII. VARIANCES

### Section 7.00 General

If compliance with any of the requirements of this Ordinance would result in an exceptional hardship to a prospective builder, developer or landowner, the Township may, upon request, grant relief from the strict application of the requirements.

### Section 7.01 Variance Procedures and Conditions

Requests for variances shall be considered by the Township in accordance with the procedures contained in Section 2.11 and the following:

- A. Except for a possible modification of the one and one-half (1 1/2) foot freeboard requirement involved, no variance shall be granted for any of the other requirements pertaining specifically to development regulated by Special Permit (Article V) or to Development Which May Endanger Human Life (Section 4 .02) .



- B. If granted, a variance shall involve only the least modification necessary to provide relief.
- C. In granting any variance, the Township shall attach whatever reasonable conditions and safeguards it considers necessary in order to protect the public health, safety and welfare, and to achieve the objectives of this Ordinance.
- D. Whenever a variance is granted, the Township shall notify the applicant in writing that:
  - 1. the granting of the variance may result in increased premium rates for flood insurance.
  - 2. such variances may increase the risks to life and property.
- E. In reviewing any request for a variance, the Township shall consider, at a minimum, the following:
  - 1. that there is good and sufficient cause.
  - 2. that failure to grant the variance would result in exceptional hardship to the applicant.
  - 3. that the granting of the variance will (i) neither result in an unacceptable or prohibited increase in flood heights, additional threats to public safety, or extraordinary public expense, (ii) nor create nuisances, cause fraud on, or victimize the public, or conflict with any other applicable state or local ordinances and regulations.
- F. A complete record of all variance requests and related actions shall be maintained by the Township. In addition, a report of all variances granted during the year shall be included in the annual report to the Federal Insurance Administrator.

Notwithstanding any of the above, however, all structures shall be designed and constructed so as to have the capability of resisting the one-hundred (100) year flood.

## ARTICLE VIII. DEFINITIONS

### Section 8.00 General

Unless specifically defined below, words and phrases used in this Ordinance shall be interpreted so as to give this Ordinance its most reasonable application.

## Section 8.01 Specific Definitions

- A. Accessory use or structure - a use or structure on the same lot with, and of a nature customarily incidental and subordinate to, the principal use or structure.
- B. Building - a combination of materials to form a permanent structure having walls and a roof. Included shall be all mobile homes and trailers to be used for human habitation.
- C. Construction - the construction, reconstruction, renovation, repair, extension, expansion, alteration, or relocation of a building or structure, including the placement of mobile homes.
- D. Development - any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, the placement of mobile homes, streets, and other paving, utilities, filling, grading, excavation, mining, dredging, or drilling operations and the subdivision of land..
- E. Flood - a temporary inundation of normally dry land areas.
- F. Floodplain area - a relatively flat or low land area which is subject to partial or complete inundation from an adjoining or nearby stream, river or watercourse; and/or any area subject to the unusual and rapid accumulation of surface waters from any source.
- G. 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.
- H. Minor repair - the replacement of existing work with equivalent materials for the purpose of its routine maintenance and upkeep, but not including the cutting away of any wall, partition or portion thereof, the removal or cutting of any structural beam or bearing support, or the removal or change of any required means of egress, or rearrangement of parts of a structure affecting the exit-way requirements; nor shall minor repairs include addition to, alteration of, replacement or relocation of any standpipe, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.

- I. Mobile home - means a transportable, single family dwelling intended for permanent occupancy, office, or place of assembly, contained in one or more sections, built on a permanent chassis, which arrives at a site complete and ready for occupancy except for minor and incidental unpacking and assembly operations, and constructed so that it may be used with or without a permanent foundation. The term does not include recreational vehicles or travel trailers.
- J. Mobile home park - a parcel of land under single ownership which has been planned and improved for the placement of two or more mobile homes for nontransient use.
- K. One hundred year flood - a flood that, on the average, is likely to occur once every one hundred (100) years (i.e. that has one (1) percent chance of occurring each year,
- L. Regulatory flood elevation - the one hundred (100) year flood elevation plus a freeboard safety factor of one and one-half (1 1/2) feet.
- M. Special permit - a special approval which is required for hospitals, nursing homes, jails, and new mobile home parks and substantial improvements to such existing parks, when such development is located in all, or a designated portion of a floodplain.
- N. Structure - anything constructed or erected on the ground or attached to the ground, including but not limited to buildings, sheds, mobile homes, and other similar items.
- O. Subdivision - the division or redivision of a lot, tract or parcel of land by any means into two or more lots, tracts, parcels or other divisions of land including changes in existing lot lines for the purpose, whether immediate or future, of lease, transfer of ownership or building or lot development; provided, however, that the subdivision by lease of land for agricultural purposes into parcels of more than ten acres, not involving any new street or easement of access or residential dwellings shall be exempted.
- P. Substantial Improvement - any repair, reconstruction, or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure either (a) before the improvement or repair is started, or (b) if the structure has been damaged, and is being restored, before the damage occurred.

Q. Township - township shall mean the Township of Marion.

ENACTED as an ordinance of the Township of Marion at a regular meeting held the 13th day of April, 1987.

TOWNSHIP OF MARION