

Juniata Township Building *zoning ordinance*
ORDINANCE No. 1989-2*

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AN ORDINANCE REQUIRING ALL PERSONS, PARTNERSHIPS, BUSINESSES AND CORPORATIONS TO OBTAIN A BUILDING PERMIT FOR THE CONSTRUCTION, RECONSTRUCTION, ENLARGEMENT, ALTERATION, OR RELOCATION OF ANY BUILDING OR STRUCTURE; PROVIDING FOR THE ISSUANCE OF SUCH BUILDING PERMITS; AND PROVIDING FOR PENALTIES FOR ANY PERSONS WHO FAIL OR REFUSE TO COMPLY WITH THE REQUIREMENTS OR PROVISIONS OF THE ORDINANCE.

BE IT ENACTED AND ORDAINED BY the Juniata Township Supervisors, Huntingdon 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 Building Permit Officer.
- B. A building permit shall not be required for minor repairs to existing buildings or structures.

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 should 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 DEFINITIONS

Section 2.00 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 2.01 Specific Definitions

- A. Accessory use or structure - a use of 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 manufactured homes and trailers to be used for human habitation.
- C. Completely dry space - a space which will remain totally dry during flooding; the structure is designed and constructed to prevent the passage of water and water vapor.
- D. Construction - the construction, reconstruction, renovation, repair, extension, expansion, alteration, or relocation of a building or structure, including the placement of manufactured homes.
- E. Development - any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, the placement of manufactured homes, streets, and other paving, utilities, filling, grading, excavation, mining, dredging, or drilling operations and the subdivision of land.
- F. Essentially dry space - a space which will remain dry during flooding, except for the passage of some water vapor or minor seepage; the structure is substantially impermeable to the passage of water.
- G. Flood - a temporary inundation of normally dry land areas.
- H. Floodplain - 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.
- I. Floodproofing - 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.

0. 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 exitway requirements; nor shall minor repairs include addition to, alteration of, replacement or relocation of any standpipes, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electric wiring or mechanical or

M. Lowest floor - means the lowest floor of the lowest enclosed area (including basement). An unfinished or flood resistant 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 44 CFR - 60.2

M. Land Development - (1) the improvement of one lot, or two or more contiguous lots, tracts, or parcels of land for any purpose involving: (a) a group of two or more buildings, or (b) the division or allocation of land or space between or among two or more existing or prospective occupants by means of, or for the purpose of streets, common areas, leaseholds, condominiums, building groups, or other features; (ii) a subdivision of land.

L. Identified Floodplain Area - the floodplain area specifically identified in this Ordinance as being inundated by the one hundred (100) year flood. Included would be areas identified as Floodway (FW), Flood-Fringe (FF), and General Flood Plain (FA).

K. FF (Flood-Fringe Area) - the areas identified as "Floodway Fringe" in the Flood Insurance Study prepared by FEMA.

J. FW (Floodway Area) - the areas identified as "Floodway" in the Flood Insurance Study prepared by FEMA. The term shall also include floodway areas which have been identified in other available studies or sources of information for those floodplain areas where no floodway has been identified in the Flood Insurance Study prepared by FEMA.

other work affecting public health or general safety.

- P. 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.
- Q. Manufactured home park - a parcel (or contiguous parcels) of land which has been planned and improved for the placement of two or more manufactured homes.
- R. Obstruction - any wall, dam, wharf, embankment, levee, dike, pile abutment, projection, excavation, channel, rectification, culvert, building, fence, stockpile, refuse, fill, structure, or matter in, along, across, or projecting into any channel, watercourse, or flood-prone area, (i) which may impede, retard, or change the direction of the flow of water either in itself or by catching or collecting debris carried by such water, or (ii) which is placed where the flow of the water might carry the same downstream to the damage of life and property.
- S. One hundred year flood - a flood that, on the average, is likely to occur once every one hundred (100) years (i.e. that has a one (1) percent chance of occurring each year, although the flood may occur in any year).
- T. Person - an individual, partnership, public or private association or corporation, firm, trust, estate, municipality, governmental unit, public utility, or any other legal entity whatsoever which is recognized by law as the subject of rights and duties.
- U. Regulatory flood elevation - the one hundred (100) year flood elevation plus a freeboard safety factor of one and one-half (1 1/2) feet.
- V. Special permit - a special approval which is required for hospitals, nursing homes, jails, and new manufactured home parks and subdivisions, and substantial improvements to such existing parks, when such development is located in all, or a designated portion of a floodplain.

- W. Structure - anything constructed or erected on the ground, or attached to the ground including, but not limited to buildings, sheds, manufactured homes, and other similar items.
- X. 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 division 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 division of land for agricultural purposes into parcels of more than ten (10) acres, not involving any new street or easement of access, shall be exempted.
- Y. 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.

ARTICLE III ADMINISTRATION

Section 3.00 Building Permits Required

Building permits shall be required before any construction or development is undertaken within any area of the Township.

Section 3.01 Issuance of Building Permits

- 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 governmental 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 Dam Safety and Encroachments Act (Act 1978-325, as amended); the US Clean Water Act, Section 404, 33, USC 1334; and the Pennsylvania Clean Streams Act (Act 1937-394, as amended). Highway Occupancy Permit (Act 1986-43) 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 municipality 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 Emergency Management Agency and Pennsylvania Department of Community Affairs, Bureau of Community Planning, shall be notified by the municipality prior to any alteration or relocation of any watercourse.

Section 3.02 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 applications 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 size and location of the proposed construction as well as any existing buildings or structures.

- B. 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 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 areas, and, if available, information pertaining to the floodway, and the flow of water, including direction and velocities.
3. 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 floodproofing measures.

4. The following data and documentation:

- a. documentation, certified by a registered professional engineer or architect, to show that the cumulative effect of any proposed development within an AE Area/District, when combined with all other existing and anticipated development, will not increase the elevation of the one hundred (100) year flood more than one foot at any point.
- b. a document, certified by a registered professional engineer or architect, which states that the proposed construction or development has been adequately designed to withstand the one hundred (100) year flood elevations, pressures, velocities, impact, and uplift forces associated with the one hundred (100) year flood.

Such a statement shall include a description of the type and extent of flood-proofing measures which have been incorporated into the design of the structure and/or the development.

- c. detailed information needed to determine compliance with Section 7.03 F., Storage, and Section 7.04, Development Which May Endanger Human Life, including:
 - (i) the amount, location, and purpose of any materials or substances referred to in Sections 7.03 F and 7.04 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 7.04 during a one hundred (100) year flood.

- d. the appropriate component of the Department of Environmental Resources "Planning Module for Land Development."
- e. 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 3.03 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 3.04 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 3.05 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 3.06 Start of Construction

Work on the proposed construction 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 shall be considered to

have started with the first placement of permanent construction on the site, such as the pouring of slabs or footings or any work beyond the stage of excavation. For a structure without a basement or poured footings, the start of construction includes the first permanent framing or assembly of the structure or any part thereof on its pilings or foundation, or the affixing of any prefabricated structure or mobile home to its permanent site. Permanent construction does not include land preparation, 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 electric or other service lines from the street.

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

Section 3.07 Inspection and Revocation

- A. During the construction period, the Building Permit Officer or other authorized official may inspect the premises to determine that the work is progressing in compliance with the information provided on the permit application and with all applicable municipal 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 floodplain 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 applications 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 facts to the Supervisors for whatever action they consider necessary.
- D. A record of all such inspections and violations of this Ordinance shall be maintained.

Section 3.08 Fees

Applications for a building permit shall be accompanied by a fee, payable to the municipality, based upon the estimated cost of the proposed construction, as determined by the Building Permit Officer, at the following rates:

<u>Gross Building Area</u>	<u>Fee</u>
<u>Dwellings and Primary Use Structures</u> <u>(including additions)</u>	
For each \$1,000 of cost	\$ 2.00
<u>Barns, Sheds, and other Accessary</u> <u>Use Buildings.</u>	
For each \$1,000 of cost	\$ 1.00
<u>Non-Buildings</u> (eg. fences, above ground pools, filling, grading, excavating, paving, utilities, mining, dredging etc.)	\$ 0.00

Section 3.09 Enforcement

A. Notices

Whenever the Building Official or other authorized municipal representative determines that there are reasonable grounds to believe that there has been a violation of any provision of this Ordinance, or of any regulations adopted pursuant thereto, such authority 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 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 affect compliance with the provisions of this

Ordinance, or any part thereof, and with the regulations adopted pursuant thereto.

8. 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) nor more than Three Hundred Dollars (\$300), 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 structure or building construction, reconstructed, enlarged, altered, or relocated, in noncompliance with this Ordinance may be declared by the Supervisors to be a public nuisance and abatable as such.

Section 3.10 Appeals

- A. Any person aggrieved by an action or decision of the Building Permit Officer involving administration of the provisions of the Ordinance may appeal to the Township Supervisors. Such appeal must be filed, in writing, within thirty (30) days after the decision or action by the Building Permit Officer.
- B. Upon receipt of such appeal, the Township Supervisors 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 of the hearing of the appeal shall be given to all the parties.
- C. Any person aggrieved by any decision of the Supervisors may seek relief therefrom by appeal to court, as provided by the laws of the

Commonwealth, including the Pennsylvania Flood Plain Management Act.

ARTICLE IV GENERAL PROVISIONS

Section 4.00 Design Standards

The plans and specifications submitted as provided in Section 3.02 above shall conform to the following requirements, and any building constructed within the Township, or any addition to any existing building therein, must conform to the following requirements:

- A. No building shall be located closer than forty (40) feet from the street right-of-way or sixty-five (65) feet from the street centerline.
- B. No building shall be located closer than fifteen (15) feet from any property line, and no residence shall be constructed within thirty (30) feet of an existing residential structure.
- C. No building or structure shall be constructed closer than fifty (50) feet from the top-of-bank of any watercourse.

ARTICLE V FLOODPLAIN PROVISIONS

Section 5.00 Construction or Development

- A. Any new construction, development, uses or activities allowed within any identified floodplain area, shall be undertaken in strict compliance with the provisions contained in this Ordinance and any other applicable codes, ordinances and regulations.
- B. Repairs, improvements, or modifications to an existing structure which amount to less than fifty (50) percent of the market value are permitted provided such work does not result in the expansion or enlargement of the structure.

Section 5.01 Identification

- A. For the purposes of this Ordinance, the areas considered to be floodplain within the Township shall be those areas identified as being subject to flooding by a one hundred (100) year flood in the Flood Insurance Study prepared for the Township

by the Federal Emergency Management Agency or the most recent revision thereof, or the areas shown as such on the most recent (FIRM) Flood Insurance Rate Map.

- B. A map showing all areas considered to be subject to the one hundred (100) year flood is available for inspection at the Township office. For the purposes of this Ordinance, the following nomenclature is used in referring to the various kinds of floodplain areas:
- AE The AE Area/District shall be those areas identified as an AE Zone on the FIRM included in the FIS prepared by FEMA and for which one hundred (100) year flood elevations have been provided in the FIS.
- FA (General Floodplain Area) - the areas identified as "Approximate 100 year Floodplain" in the Flood Insurance Study prepared by FEMA.
- C. The FA (General Floodplain Area) shall be that floodplain for which no detailed flood elevations or floodway information is provided. Such areas are shown as Zone A on the maps accompanying the Flood Insurance Study prepared by FEMA. For these areas, elevation and floodway information from other Federal, State, or other acceptable sources, shall be used when available. When such other acceptable information is not available, the applicant for the proposed use, development, or activity shall determine the one hundred (100) year flood elevation in accordance with hydrologic and hydraulic engineering techniques.
- D. The identified floodplain area may be revised or modified by the Township Supervisors where studies or information provided by a qualified agency or person documents the need for such revision or modification. However, prior to any such change, approval must be obtained from the Federal Emergency Management Agency.
- E. Should a dispute concerning any identified floodplain boundary arise, any party aggrieved by such determination may appeal

to the Supervisors. The burden of proof shall be on the appellant.

- F. The Municipality reserves the right to require the applicant to delineate a floodway area and provide sufficient documentation to demonstrate that his proposed activity, together with all other existing and anticipated development, uses, and activities, will not increase the water surface elevation of the one hundred (100) year flood more than one (1) foot at any point. The engineering principle of equal reduction of conveyance, shall be used to make the determination of increases in flood heights.
- G. 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.

ARTICLE VI VARIANCES

Section 6.00 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 Supervisors may, upon request, grant relief from the strict application of the requirements.

Section 6.01 Variance Procedures and Requirements

Requests for variance shall be considered by the Township Supervisors in accordance with the following:

- A. No variance shall be granted for any construction, development, use, or activity within any floodway area that would cause any increase in the one hundred (100) year flood elevation.
- B. Except for a possible modification of the one and one-half (1 1/2) foot freeboard requirements, no variance shall be granted for any of the other requirements pertaining specifically to development regulated by Special Permits (Article

VIII) or to Development Which May Endanger Human Life (Section 7.04).

- C. If granted, a variance shall involve only the least modification necessary to provide relief.
- D. In granting any variance, the Township shall attach whatever reasonable conditions and safeguards it considers necessary in order to protect public health, safety, and welfare, and to achieve the objectives of this Ordinance.
- E. Whenever a variance is granted, the Township shall notify the applicant in writing that:
 - a. the granting of the variance may result in increased premium rates for flood insurance.
 - b. such variances may increase the risks to life and property.
- F. In reviewing any request for a variance, the Township shall consider, but be limited to, the following:
 - a. that there is good and sufficient cause.
 - b. that failure to grant the variance would result in exceptional hardship to the applicant.
 - c. 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 expenses; (ii) nor create nuisances, cause fraud on, or victimize the public, or conflict with any other applicable State statute or regulations, or local ordinances or regulations.
- G. 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 Emergency Management Agency.

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 VII TECHNICAL PROVISIONS

Section 7.00 General

- A. 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 municipality, and until all required permits or approvals have been first obtained from the Department of Environmental Resources, the Bureau of Dams and Waterway Management.

In addition, the Federal Emergency Management Agency and Pennsylvania Department of Community Affairs, Bureau of Community Planning, shall be notified prior to any alteration or relocation of any watercourse.

- B. Any new construction, development, uses, or activities allowed within any identified floodplain area, shall be undertaken in strict compliance with the provisions contained in this Ordinance and any other applicable codes, ordinances, and regulations.
- C. Within any AE Area/District, no new construction or development shall be allowed 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 elevation of the one (100) year flood more than one (1) foot at any point.

Section 7.01 Special Floodway and Stream Setback Requirements

- A. Within any floodway area, the following provisions apply:
1. Any new construction, development, use, activity, or encroachment that would cause any increase in flood heights shall be prohibited.
 2. No new construction or development shall be allowed, unless a permit is obtained from the Department of Environmental Resources, Bureau of Dams and Waterway Management.

- B. Within any FA (General Floodplain Area), the following provisions apply:
1. 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.
 2. Any new construction, development, use, activity, or encroachment which would cause any increase in flood heights shall be prohibited within a floodway area delineated by an applicant.

Section 7.02 Elevation and Floodproofing Requirements

A. Residential Structures

Within any Identified Flood Plain Area, the lowest floor (including the basement) of any new or substantially improved residential structure shall be at least one and one-half (1 1/2) feet above the one hundred (100) year flood elevation.

B. Non-Residential Structures

1. Within any Identified Flood Plain Area, the lowest floor (including the basement) of any new or substantially improved non-residential structure shall be at least one and one-half (1 1/2) feet above the one hundred (100) year flood elevation, or be designed and constructed so that the space enclosed by such structure shall remain either completely or essentially dry during any flood up to that height.
2. Any non-residential structure, or part thereof, having a lowest floor (including basement) which is not elevated to at least one and one half (1 1/2) feet above the one hundred year flood elevation, shall be floodproofed in a completely or essentially dry manner in accordance with the W-1 or W-2 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.

which states that the proposed design and methods of construction are in conformance with the above referenced standards.

C. Enclosed Areas Below the Lowest Floor

Enclosed areas below the lowest floor (including the basement) are prohibited.

Section 7.03 Design and Construction Standards

The following 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, unless substantiated data, justifying steeper slopes are submitted to, and approved by the Building Permit Officer.
5. be used to the extent to which it does not adversely affect adjacent properties.

B. Drainage

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 7.04, 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 designed and constructed of materials that are water-resistant and will withstand inundation.
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. Paints and Adhesives

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

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

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

M. Fuel Supply Systems

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 7.04 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, any new or substantially improved structure which:

- will be used for the production or storage of 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:

- a. Acetone
- b. Ammonia
- c. Benzene
- d. Calcium carbide
- e. Carbon disulfide
- f. Celluloid
- g. Chlorine
- h. Hydrochloric acid
- i. Hydrocyanic acid
- j. Magnesium
- k. Nitric acid and oxides of nitrogen

- i. Petroleum products (gasoline, fuel oil, etc.)
 - m. Phosphorus
 - n. Potassium
 - o. Sodium
 - p. Sulphur and sulphur products
 - q. Pesticides (including insecticides, fungicides, and rodenticides)
 - r. Radioactive substances, insofar as such substances are not otherwise regulated.
- B. Within any FW (Floodway Area), any structure of the kind described in Subsection A, above, shall be prohibited.
- C. Within any FA ^{or AE} (General Floodplain Area), any structure of the kind described in Subsection A, above, shall be prohibited within the area measured fifty (50) feet landward from the top-of-bank of any watercourse.
- D. Where permitted within any FF (Flood-Fringe Area) or FA (General Floodplain Area), any 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 7.05 Special Requirements for Manufactured Homes

- A. With any floodway area, manufactured homes shall be prohibited.
- B. Within any FA ^{or AE} (General Floodplain Area), manufactured homes shall be prohibited within the

area measured fifty (50) feet landward from top-of-bank of any watercourse.

- C. Where permitted within any floodplain area, all manufactured homes, and any 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 (100) year flood.
 3. anchored to resist flotation, collapse, or lateral movement.

ARTICLE VIII

Section 8.00 General

In accordance with the administration regulations promulgated by the Department of Community Affairs to implement the Pennsylvania Flood Plain Management Act, the following activities shall be prohibited within any identified floodplain 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 manufactured home park or manufactured home subdivision, or substantial improvement to an existing manufactured home park or manufactured home subdivision.

Section 8.01 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 8.02 Application Review Procedures

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

- 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 (to be retained by the applicant) 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 Township shall not issue the Special Permit.

Section 8.03 Special Technical Requirements

- A. In addition to the requirements of Article VII 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 VII 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 elevation.
 - 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 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 and the Department of Community Affairs.

ARTICLE IX EXISTING STRUCTURES IN IDENTIFIED FLOODPLAIN AREAS

Section 9.00 General

Structures existing in any identified floodplain area prior to the enactment of this Ordinance may continue subject to the following provision:

- A. No expansion or enlargement of an existing structure shall be allowed within any identified floodway that would cause any increase in flood heights.
- B. 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.

- C. Any modification, alteration, reconstruction, improvement of any kind to an existing structure, to an extent or amount of less than fifty (50) percent of its market value, shall be elevated and/or floodproofed to the greatest extent possible.

Adopted at a regularly scheduled meeting of the Board of Supervisors of Juniata Township, Huntingdon County, Pennsylvania on the 6 day of March, 1989

Charles A Hall
Chairman Charles A. Hall

Marion Kruse
Attest Marion Kruse, Secretary

Township Seal