

**CHAPTER 8**

**FLOOD PLAIN REGULATIONS**

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**PART I****GENERAL PROVISIONS****SECTION 8-101. Intent.**

The intent of this Chapter 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.

*(Ord. 303, 03/07/1989, §1.00)*

**SECTION 8-102. 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, Borough, etc.) 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.

*(Ord. 303, 03/07/1989, §1.01)*

**SECTION 8-103. Abrogation and Greater Restrictions.**

This ordinance supersedes any other conflicting provision 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.

*(Ord. 303, 03/07/1989, §1.02)*

**SECTION 8-104. 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 the ordinance, which shall remain in full force and effect, and for this purpose the provisions of this ordinance are hereby declared to be severable.

*(Ord. 303, 03/07/1989, §1.03)*

**SECTION 8-105. 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 cause, 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, Borough p . etc.) or any officer or employee thereof for any flood damages that result from reliance on this ordinance or any administrative decision lawfully made thereunder.

*(Ord. 303, 03/07/1989, §1.04)*

**PART II****ADMINISTRATION****SECTION 8-201. Building Permits Required.**

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

*(Ord. 303, 03/07/1989, §2.00)*

**SECTION 8-202. 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 governmental approvals required under the Ordinances of the Borough of Harmony have been obtained. 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 Borough of Harmony, and until all required permits or approvals have been 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 Borough of Harmony prior to any alteration or relocation of any watercourse.

*(Ord. 303, 03/07/1989, §2.01)*

**SECTION 8-203. 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 Borough of Harmony. 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.

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 (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 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 10291;
  - (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 I 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 AB 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 pressures, velocities, impact and uplift forces associated with the one hundred (100) year flood. Such Statement shall include a description of the type and extent of floodproofing measures which have been incorporated into the design of the structure and/or the development.

- (c) Detailed information needed to determine compliance with Section 8-402(F), “Storage”, and Section 8-403 “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 4.03 during a one hundred (100) year flood.
- (d) The appropriate component of the Department of Environmental Protection "Planning Module for Land Development" or current equivalent.
- (e) Where any excavation of grading is proposed, a plan meeting the requirements of the Department of Environmental Protection to implement and maintain erosion and sedimentation control.

*(Ord. 303, 03/07/1989, §2.02, Ord. 372, 6/6/2006)*

#### **SECTION 8-204. 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 may be submitted by the Building Permit Officer to the Butler County Conservation District for review and comment prior to the issuance of a building permit. The recommendations of the Conservation District may be considered by the Building Permit Officer possible incorporation into the proposed plan.

*(Ord. 303, 03/07/1989, §2.03)*

#### **SECTION 8-205 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.

*(Ord. 303, 03/07/1989, §2.04)*



**SECTION 8-206. 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 Building Permit Officer. Requests for any such change shall be in writing, and shall be submitted by the applicant to Building Permit Officer for consideration.

*(Ord. 303, 03/07/1989, §2.05)*

**SECTION 8-207. 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.

*(Ord. 303, 03/07/1989, §2.06)*

**SECTION 8-208. 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 of 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 applicants which sets forth sufficient and reasonable cause for the Building Permit Officer to approve such a request.

*(Ord. 303, 03/07/1989, §2.07)*

**SECTION 8-209. 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 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 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 council for whatever action it considers necessary.

D. A record of all such inspections and violations of this ordinance shall be maintained.

*(Ord. 303, 03/07/1989, §2.08)*

#### **SECTION 8-210. 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 rates established in the zoning ordinance of the Borough of Harmony or as such rates shall from time to time be established by the council of the Borough of Harmony.

*(Ord. 303, 03/07/1989, §2.09)*

#### **SECTION 8-211. 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 required; (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 of 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 Borough of not less than three hundred dollars (\$300.00) nor more than five hundred dollars (\$500.00) 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 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, Council, etc.) to be a public nuisance and abatable such.

(*Ord. 303, 03/07/1989, §2.10, Ord. 372, 6/6/2006*)

#### **SECTION 8-212. 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, Council, etc). Such appeal shall 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, Council, etc.) 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, Council, etc.) may seek relief therefrom by appeal to court, as provided by the laws of this Commonwealth including the Pennsylvania Flood Plain Management Act.

(*Ord. 303, 03/07/1989, §2.11, Ord. 372, 6/6/2006*)

### **PART III**

#### **IDENTIFICATION OF FLOODPLAIN AREAS**

##### **SECTION 8-301. Identification.**

The identified floodplain area shall be those areas of the BOROUGH OF HARMONY which are subject to the one hundred (100) year flood, as shown on the "Flood Insurance Rate Map (PTRM) which accompanies the Flood Insurance Study (FIS) prepared for the (Township, Borough, etc.) by the Federal Emergency Management Agency (FEMA), dated May 4, 1989, or the most recent revision thereof.

*(Ord. 303, 03/07/1989, §3.00)*

##### **SECTION 8-302. Description of Floodplain Areas/Districts.**

The identified floodplain area shall consist of the following two specific areas/districts:

A. 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.

*(Ord. 303, 03/07/1989, §3.01)*

##### **SECTION 8-303. Changes in Identification of Area.**

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

*(Ord. 303, 03/07/1989, §3.02)*

##### **SECTION 8-304. Boundary Disputes.**

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

*(Ord. 303, 03/07/1989, §3.03)*

## PART IV

### GENERAL TECHNICAL REQUIREMENTS

#### SECTION 8-401. 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 floodway area, no new construction or development shall be permitted that would cause any increase in the one hundred (100) year flood elevation.

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 hundred (100) year flood more than one (1) foot at any point.

D. 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.

E. 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 (1½) feet or more above the one hundred (100) year flood elevation.

F. Within any identified floodplain area, the elevation of the lowest floor (including basement) of any new or substantially improved nonresidential structure shall be one and one half (1 ½) feet or more above the one hundred (100) year flood elevation or be floodproofed up to that height.

Any non-residential structure, or part thereof, having a lowest floor (including basement) which is not elevated to at least one and one half (1½) 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 which states that the proposed design and methods of construction are in conformance with the above-referenced standards.

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

(Ord. 303, 03/07/1989, §4.00)

**SECTION 8-402. Special Requirement for the AE Area/District.**

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 hundred (100) year flood more than one (1) foot at any point.

(Ord. 303, 03/07/1989, §4.01)

**SECTION 8-403. Design and Construction Standards.**

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 compared 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 or 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 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 bouyant, flammable, explosive or, in times of flooding, could be injurious to human, animal, or plant life, and not listed in SECTION 4.03, 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 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. Paints 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 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 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.

*(Ord. 303, 03/07/1989, §4.02)*

**SECTION 8-404. 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:



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.

B. Within any identified floodplain area, any new or substantially improved 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.

C. 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 (14 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 floodproofing contained in the publication "Floodproofing Regulations" (U.S. Army Corps of Engineers, June, 1972), or with some other equivalent watertight standard.

*(Ord. 303, 03/07/1989, §4.03)*

#### **SECTION 8-405. Special Requirements for Manufactured Homes.**

A. Within any identified floodplain area, all manufactured homes and any additions thereto shall be prohibited within the area measured fifty (50) feet landward from the top of bank of any watercourse.

B. 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.

*(Ord. 303, 03/07/1989, §4.04)*

**PART V****ACTIVITIES REQUIRING SPECIAL PERMITS****SECTION 8-501. General.**

In accordance with the administrative 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, Borough, etc.):

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.

*(Ord. 303, 03/07/1989, §5.00)*

**SECTION 8-502. Application Requirements for Special Permits.**

Applicants for Special Permits shall provide five (5) 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 floodproofing 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 bouyant 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 Protection Planning Module for Land Development.
7. Where any excavation or grading is proposed, a plan meeting the requirements of the Department of Environmental Protection 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 Protection 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.

*(Ord. 303, 03/07/1989, §5.01)*

**SECTION 8-503. Application Review Procedures.**

Upon receipt of an application for a Special Permit by the Borough of Harmony, the following procedures shall apply in addition to those of Part II of this Chapter:

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 Borough of Harmony Planning Commission and Borough of Harmony Engineer for review and comment.

B. If an application is received that is incomplete, the Borough of Harmony shall notify the applicant, in writing, stating in which respect the application is deficient.

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

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

E. Before Issuing the Special Permit, the BOROUGH OF HARMONY 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 BOROUGH OF HARMONY.

F. If the BOROUGH OF HARMONY does not receive any communication form 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 BOROUGH OF HARMONY and the applicant, in writing, of the reasons for the disapproval, and the BOROUGH OF HARMONY shall not issue the Special Permit.

*(Ord. 303, 03/07/1989, §5.02)*

**SECTION 8-504. Special Technical Requirements.**

A. In addition to the requirements of Part IV of this Chapter, 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 Part IV of this Chapter 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 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 latest floor elevation will be at least one and one half (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 anytime 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 BOROUGH OF HARMONY and the Department of Community Affairs.

*(Ord. 303, 03/07/1989, §5.03)*

**PART VI****EXISTING STRUCTURES IN IDENTIFIED FLOODPLAIN AREAS****SECTION 8-601. Existing Structures.**

The provisions of this Chapter 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 8-601 shall apply.

*(Ord. 303, 03/07/1989, §6.00)*

**SECTION 8-602. Improvements.**

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

A. No expansion or enlargement of an existing structure shall be allowed within any floodway area that would cause any increase in the elevation of the one hundred (100) year flood.

B. No expansion or enlargement of an existing structure shall be allowed within any AE area that would, together with all other existing and anticipated development, increase the one hundred (100) year flood elevation more than one (1) foot at any point.

C. 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 Chapter. For the purposes of this Section, fair market value shall mean the assessed value of the property for the County of Butler multiplied by 5.

D. Any modification, alteration, reconstruction or 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.

*(Ord. 303, 03/07/1989, §6.01)*



**PART VII**  
**VARIANCES**

**SECTION 8-701. General.**

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

*(Ord. 303, 03/07/1989, §7.00, Ord. 372, 6/6/2006)*

**SECTION 8-702. Variance Procedures and Conditions.**

Requests for variances shall be considered by the Borough in accordance with the procedures contained in Section 8-211, hereinabove, and the following:

A. No variances 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. No variance shall be granted for any construction, development, use or activity within any AE area that would, together with all other existing and anticipated development, increase the one hundred (100) year flood elevation more than one (1) foot at any point.

C. Except for a possible modification of the one and one half (1.5) foot freeboard requirement involved, no variance shall be granted for any of the other requirements pertaining specifically to development regulated by Special Permit (Part V of this Chapter) or to Development Which May Endanger Human Life (Section 8-403).

D. If granted, a variance shall involve only the least modification necessary to provide relief.

E. In granting any variance, the Borough 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 Chapter.

F. Whenever a variance is granted, the Borough of Harmony 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.

G. In reviewing any request for a variance, the BOROUGH OF HARMONY 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 laws, ordinances and regulations.

H. A complete record of all variance requests and related actions shall be maintained by the BOROUGH OF HARMONY. In addition, a report of all variances granted during the year shall be included in the annual report to the Federal Insurance Administration.

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.

*(Ord. 303, 03/07/1989, §7.01, Ord. 372, 6/6/2006)*

## PART VIII

### DEFINITIONS

#### SECTION 8-801. General Definitions.

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

*(Ord. 303, 03/07/1989, §8.00)*

#### SECTION 8-802. Specific Definitions.

A. Accessory use or structure shall mean 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 shall mean 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. Construction shall mean the construction, reconstruction, renovation, repair, extension, expansion, alteration or relocation of a building or structure, including the placement of manufactured homes.

D. Development shall mean 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.

E. Flood shall mean a temporary inundation of normally dry land areas.

F. Floodplain area shall mean 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. Floodproofing means any combination of structural and nonstructural 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. Floodway shall mean the designated area of a floodplain required to carry and discharge flood waters of a given magnitude. For the purposes of this Chapter, the floodway shall be capable of accommodating a flood of the one hundred (100) year magnitude.

I. Manufactured Home shall mean 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 includes park trailers, travel trailers, recreational and other similar vehicles which are placed on a site for more than 180 consecutive days.

J. Manufactured Home Park shall mean a parcel of land under single ownership, which has been planned and improved for the placement of two or more manufactured homes for non-transient use.

K. Minor Repair shall mean 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 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.

L. One Hundred Year Flood means 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, although the flood may occur in any year).

M. Regulatory flood elevation means the one hundred (100) year flood elevation plus a freeboard safety factor of one and one half (1 1/2) feet.

N. Special Permit means a special approval which is required for hospitals, nursing homes, jails, and new manufactured home parks and substantial improvements to such existing parks, when such development is located in all, or a designated portion, of a floodplain.

O. Structure means 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.

P. Subdivision means 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.

Q. Substantial Improvement means 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.

*(Ord. 303, 03/07/1989, §8.01)*