

Chapter 54
FLOOD CONTROL

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[HISTORY: Adopted by the Borough Council of the Borough of Heidelberg as indicated in Part histories. Amendments noted where applicable.]

GENERAL REFERENCES

**Flood Control Authority — See Ch. 8.
Building construction — See Ch. 39.**

**Trailers and mobile homes — See Ch. 103.
Zoning — See Ch. 112.**

**Part 1
Flood Hazard Areas
[Adopted 7-15-1980 as Ch. 54, Art. I, of the 1980 Code]**

**ARTICLE I
General Provisions**

§ 54-1. Prohibited acts.

It shall be unlawful for any person, organization or corporation or agents thereof to do, authorize, aid or abet any of the following described acts touching or affecting the Chartiers Creek Local Flood Protection Project Works and Channels:

- A. To trespass upon, encroach upon or disturb, within the limits of this municipality, the lands, rights-of-way or easements of the Chartiers Valley District Flood Control Authority comprising the Chartiers Creek Local Flood Protection Project Works and Channels or to trespass upon, encroach upon or disturb the walls, dikes, stone protection, channels, drains, barricades or other structures located on said lands, rights-of-way or easements.
- B. To throw or deposit waste material, stones, other objects or debris of any sort on or in said lands, rights-of-way or easements or said walls, dikes, stone protection, channels, drains, barricades or other structure located on said rights-of-way or easements; or into the channels of Chartiers Creek or its tributaries; or on the banks of Chartiers Creek or its tributaries located in the Borough of Heidelberg in order to prevent such waste material, stones, other objects or debris from being washed into Chartiers Creek or its tributaries.

§ 54-2. Violations and penalties.¹

Any person violating any of the provisions of this Part 1 shall, upon conviction thereof, be punishable by a fine of not more than \$600 and costs of prosecution or, upon default in payment of the fine and costs, by imprisonment in the county jail for a period not to exceed 30 days.

Part 2
Flood Insurance
[Adopted 9-19-1995 by Ord. No. 514, approved 9-19-1995]

ARTICLE II
General Provisions

§ 54-3. Intent.

The intent of this Part 2 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; and
- D. Reduce financial burdens imposed on the community, its governmental units, and its residents, by preventing excessive development in areas subject to flooding.

§ 54-4. Permit requirements.

- 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 Borough of Heidelberg unless an approved 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, provided that no structural changes or modifications are involved.

§ 54-5. Abrogation and greater restrictions.

This Part 2 supersedes any provisions currently in effect in floodplain areas. However, any underlying ordinance 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 Part 2, the more restrictive shall apply.

¹ Editor's Note: Amended at time of adoption of Code (see Ch. 1, General Provisions, Art. I).

§ 54-6. Warning and disclaimer of liability.

- A. The degree of flood protection sought by the provisions of this Part 2 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 Part 2 does not imply that areas outside any identified floodplain areas, or that land uses permitted within such areas, will be free from flooding or flood damages.
- B. This Part 2 shall not create liability on the part of the Borough of Heidelberg or any officer or employee thereof for any flood damages that result from reliance on this Part 2 or any administrative decision lawfully made thereunder.

ARTICLE III
Administration

§ 54-7. Building permits required.

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

§ 54-8. 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 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 such as those required by state and federal laws have been obtained, including those required by the Pennsylvania Sewage Facilities Act (Act 1966-537, as amended);² the Pennsylvania Clean Streams Law (Act 1937-394, as amended);³ the Pennsylvania Dam Safety and Encroachments Act (Act 1978-325, as amended);⁴ and the Federal Water Pollution Control Act, Section 404, 33 U.S.C. § 1344. No permit shall be issued until this determination has been made.
- C. No encroachment, alteration, or improvement of any kind shall be made to any watercourse until all adjacent municipalities which may be affected by such action have been notified by the Borough of Heidelberg and until all required permits or approvals have been first obtained from the Department of Environmental Protection, Bureau of Dams, Waterways and Wetlands. In addition, the Federal Insurance Administrator and Pennsylvania Department of Community and Economic Development, Bureau of Community Planning, shall be notified by the Borough of Heidelberg prior to any alteration or relocation of any watercourse.

² Editor's Note: See 35 P.S. § 750.1 et seq.

³ Editor's Note: See 35 P.S. § 691.1 et seq.

⁴ Editor's Note: See 32 P.S. § 693.1 et seq.

§ 54-9. Application procedures.

- A. Application for such a building permit shall be made, in writing to the Building Permit Officer on forms supplied by the Borough of Heidelberg. Such application shall contain at least the following:
- (1) Name and address of applicant.
 - (2) Name and address or 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. Additional information.
- (1) If any proposed construction or development is located entirely or partially within any identified floodplain area, applicants for building permits shall also provide the necessary information in sufficient detail and clarity to enable the Building Permit Officer to determine that:
 - (a) A plan which accurately delineates the identified floodplain area, the location of the proposed construction, the location of any adjacent floodplain development or structures, and the location of any existing or proposed subdivision and land development in order to assure that:
 - [1] 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;
 - [2] All utilities and facilities, such as sewer, gas, electrical and water systems are located, and constructed to minimize or eliminate flood damage; and
 - [3] Adequate drainage is provided so as to reduce exposure to flood hazards.
 - (2) 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:
 - (a) A completed building permit application form.
 - (b) A plan of the entire site, clearly and legibly drawn at a scale of one inch being equal to 100 feet or less, showing the following:
 - [1] North arrow, scale, and date;
 - [2] Topographic contour lines, if available;

- [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 and proposed buildings, structures, and other improvements, including the location of any existing or proposed subdivision and land development;
 - [5] The location of all existing streets, drives, and other accessways; and
 - [6] 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.
- (c) Plans of all proposed buildings, structures and other improvements drawn at suitable scale showing the following:
- [1] The proposed lowest floor elevation of any proposed building based upon National Geodetic Vertical Datum of 1929;
 - [2] The elevation of the one-hundred-year flood;
 - [3] If available, information concerning flood depths, pressures, velocities, impact and uplift forces and other factors associated with a one-hundred-year flood; and
 - [4] Detailed information concerning any proposed floodproofing measures.
- (d) The following data and documentation:
- [1] 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-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.
 - [2] Detailed information needed to determine compliance with § 54-26F, Storage, and § 54-27, Development which may endanger human life, including:
 - [a] The amount, location and purpose of any materials or substances referred to in §§ 54-26F and 54-27 which are intended to be used, produced, stored or otherwise maintained on site.
 - [b] 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 § 54-27 during a one-hundred-year flood.
 - [3] The appropriate component of the Department of Environmental Protection's "Planning Module for Land Development."

- [4] 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.

§ 54-10. Review by County Conservation District.

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

§ 54-11. 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.

§ 54-12. 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 changes shall be in writing and shall be submitted by the applicant to the Building Permit Officer for consideration.

§ 54-13. 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.

§ 54-14. Start of construction; time extensions.

- A. Work on the proposed construction must begin within six months and shall be completed within 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.

- B. Time extensions 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.

§ 54-15. 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 Borough of Heidelberg laws and ordinances. The Building Permit Officer 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 Part 2.
- 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 Borough Council for whatever action it considers necessary.
- D. A record of all such inspections and violations of this Part 2 shall be maintained.

§ 54-16. Fees.⁵

Applications for a building permit shall be accompanied by a fee, payable to the Borough of Heidelberg, based upon the estimated cost of the proposed construction as determined by the Building Permit Officer and as set from time to time by resolution of the Borough Council.

§ 54-17. Enforcement; violations and penalties.

- 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 Part 2, or of any regulations adopted pursuant thereto, the Building Permit Officer shall give notice of such alleged violation as hereinafter provided. Such notice shall:
 - (1) Be in writing;
 - (2) Include a statement of the reasons for its issuance;
 - (3) Allow a reasonable time not to exceed a period of 30 days for the performance of any action it requires;

⁵ Editor's Note: Amended at time of adoption of Code (see Ch. 1, General Provisions, Art. I).

- (4) 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; and
 - (5) Contain an outline of remedial action which, if taken, will effect compliance with the provisions of this Part 2.
- B. Penalties. Any person who fails to comply with any or all of the requirements or provisions of this Part 2 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 the Borough of Heidelberg of not more than \$600, plus costs of prosecution. In default of such payment, such person shall be imprisoned in county prison for a period not to exceed 30 days. Each day during which any violation of this Part 2 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 Part 2. The imposition of a fine or penalty for any violation of, or noncompliance with, this Part 2 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 Part 2 may be declared by the Borough Council to be a public nuisance and abatable as such.⁶

§ 54-18. Appeals.

- A. Any person aggrieved by any action or decision of the Building Permit Officer concerning the administration of the provisions of this Part 2 may appeal to the Borough Council. Such appeal must be filed, in writing, within 30 days after the decision or action of the Building Permit Officer.
- B. Upon receipt of such appeal the Borough Council shall set a time and place, within not less than 10 nor more than 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 Borough Council may seek relief therefrom by appeal to court, as provided by the laws of this commonwealth including the Pennsylvania Flood Plain Management Act.⁷

⁶ Editor's Note: Amended at time of adoption of Code (see Ch. 1, General Provisions, Art. D).

⁷ Editor's Note: See 32 P.S. § 679.101 et seq.

ARTICLE IV
Identification of Floodplain Areas

§ 54-19. Identification.

The identified floodplain area shall be those areas of the Borough of Heidelberg which are subject to the one-hundred-year flood in the Flood Insurance Study (FIS) dated October 4, 1995, and the accompanying maps prepared for the Borough of Heidelberg by the Federal Emergency Management Agency (FEMA), or the most recent revision thereof.

§ 54-20. Description of floodplain areas.

- A. The identified floodplain area shall consist of the following specific areas:
- (1) FW (Floodway Area): the areas identified as "Floodway" in the AE Zone 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 FIS.
 - (2) FF (Flood-Fringe Area): the remaining portions of the one-hundred-year floodplain in those areas identified as an AE Zone in the FIS, where a floodway has been delineated.
- B. The basis for the outermost boundary of this area shall be the one-hundred-year flood elevations as shown in the flood profiles contained in the FIS.

§ 54-21. Changes in identification of floodplain areas.

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

§ 54-22. Boundary disputes.

Should a dispute arise concerning any identified floodplain boundary, an initial determination shall be made by the Building Permit Officer, and any party aggrieved by such decision may appeal to the Borough Council. The burden of proof shall be on the appellant.

ARTICLE V
Technical Provisions

§ 54-23. General provisions.

- 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 Protection, Bureau of Dams,

Waterways and Wetlands. In addition, FEMA and the Pennsylvania Department of Community and Economic Development, Bureau of Community Planning, shall be notified by the municipality 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 Part 2 and any other applicable codes, ordinances and regulations.

§ 54-24. Special requirements for FW areas.

With any FW (Floodway Area), the following provisions apply:

- A. Any new construction, development, use, activity, or encroachment that would cause any increase in flood heights shall be prohibited.
- B. No new construction or development shall be allowed, unless a permit is obtained from the Department of Environmental Protection, Bureau of Dams, Waterways and Wetlands.

§ 54-25. Elevation and floodproofing requirements.

- A. Residential structures. Within any identified floodplain area, any new construction or substantial improvement of a residential structure shall have the lowest floor (including basement) elevated up to or above the regulatory flood elevation.
- B. Nonresidential structures.
 - (1) Within any identified floodplain area, any new construction or substantial improvement of a nonresidential structure shall have the lowest floor (including basement) elevated up to or above the regulatory 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 nonresidential structure, or part thereof, having a lowest floor which is not elevated to at least 1½ feet above the one-hundred-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 "Floodproofing Regulations" published by the U.S. Army Corps of Engineers (June 1972, as amended March 1992) 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. Space below the lowest floor.
 - (1) Fully enclosed space below the lowest floor (including basement) is prohibited.
 - (2) Partially enclosed space below the lowest floor (including basement) which will be used solely for the parking of a vehicle, building access, or incidental storage in an area other than a basement, shall be designed and constructed to allow for the automatic entry and exit of floodwaters for the purpose of equalizing hydrostatic

forces on exterior walls. The term “partially enclosed space” also includes crawl spaces. Designs for meeting this requirement must either be certified by a registered professional engineer or architect, or meet or exceed the following minimum criteria:

- (a) A minimum of two openings having a net total area of not less than one square inch for every square foot of enclosed space.
 - (b) The bottom of all openings shall be no higher than one foot above grade.
 - (c) Openings may be equipped with screens, louvers, etc., or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.
- D. Accessory structures. Structures accessory to a principal building need not be elevated or floodproofed to remain dry, but shall comply, at a minimum, with the following requirements:
- (1) The structure shall not be designed or used for human habitation, but shall be limited to the parking of vehicles, or to the storage of tools, material, and equipment related to the principal use or activity.
 - (2) Floor area shall not exceed 600 square feet.
 - (3) The structure will have a low damage potential.
 - (4) The structure will be located on the site so as to cause the least obstruction to the flow of floodwaters.
 - (5) Power lines, wiring, and outlets will be at least 1½ feet above the one-hundred-year flood elevation.
 - (6) Permanently affixed utility equipment and appliances such as furnaces, heaters, washers, dryers, etc., are prohibited.
 - (7) Sanitary facilities are prohibited.
 - (8) The structure shall be adequately anchored to prevent flotation or movement and shall be designed to automatically provide for the entry and exit of floodwaters for the purpose of equalizing hydrostatic forces on the walls. Designs for meeting this requirement must either be certified by a registered professional engineer or architect, or meet or exceed the following minimum criteria:
 - (a) A minimum of two openings having a net total area of not less than one square inch for every square foot of enclosed space.
 - (b) The bottom of all openings shall be no higher than one foot above grade.
 - (c) Openings may be equipped with screens, louvers, etc., or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.

§ 54-26. 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 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 vertical to two horizontal feet, 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 facilities. Storm drainage facilities shall be designed to convey the flow of stormwater runoff in a safe and efficient manner. The system shall insure 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 floodwaters.
 - (2) Sanitary sewer facilities and systems shall be designed to prevent the discharge of untreated sewage into floodwaters.
 - (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. Streets. The finished elevation of all new streets shall be no more than one foot below the regulatory flood elevation.
- E. 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.
- 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 § 54-27, 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 floodwater.
- 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 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.) shall be finished with a “marine” or “water-resistant” paint or other finishing material.

K. Electrical components.

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

L. Equipment. Electric water heaters, furnaces, air conditioning and ventilating systems, and other electrical 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 floodwaters into the system and discharges from the system into floodwaters. Additional provisions shall be made for the drainage of these systems in the event that floodwater infiltration occurs.

§ 54-27. Development which may endanger human life.

A. In accordance with the Pennsylvania Flood Plain Management Act,⁸ and the regulations adopted by the Department of Community and Economic Development, as required by the Act, any new or substantially improved structure which will be used for the production or

⁸ Editor's Note: See 32 P.S. § 679.101 et seq.

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) Sulfur and sulfur products.
 - (17) Pesticides (including insecticides, fungicides, and rodenticides).
 - (18) 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. Where permitted within any floodplain area, any new or substantially improved structure of the kind described in Subsection A above shall be elevated or designed and constructed to remain completely dry up to at least 1½ feet above the one-hundred-year flood, and designed to prevent pollution from the structure or activity during the course of a one-hundred-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, as amended March 1992), or with some other equivalent watertight standard.

§ 54-28. Special requirements for manufactured homes.

Manufactured homes located within any floodplain area, and any improvements thereto, shall be:

- A. Placed on a permanent foundation.
- B. Elevated so that the lowest floor of the manufactured home is 1½ feet or more above the elevation of the one-hundred-year flood.
- C. Anchored to resist flotation, collapse, or lateral movement.

ARTICLE VI
Activities Prohibited in Floodplain Areas

§ 54-29. Enumeration of prohibited activities.

In accordance with the administrative regulations promulgated by the Department of Community and Economic Development to implement the Pennsylvania Flood Plain Management Act,⁹ the following activities shall be prohibited within any identified floodplain area:

- 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.

ARTICLE VII
Existing Structures in Identified Floodplain Areas

§ 54-30. Applicability to existing structures.

The provisions of this Part 2 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 § 54-31 shall apply.

§ 54-31. Improvements.

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

⁹ Editor's Note: See 32 P.S. § 693.1 et seq.

- 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-year flood.
- B. Any modification, alteration, reconstruction, or improvement of any kind to an existing structure, to an extent or amount of 50% or more of its market value, shall constitute a substantial improvement and shall be undertaken only in full compliance with the provisions of this Part 2.

ARTICLE VIII Variances

§ 54-32. Granting of variances.

If compliance with any of the requirements of this Part 2 would result in an exceptional hardship to a prospective builder, developer, or landowner, the Borough of Heidelberg may, upon request, grant relief from the strict application of the requirement.

§ 54-33. Variance procedures and conditions.

- A. Requests for variances shall be considered by the Borough of Heidelberg in accordance with the procedures contained in § 54-18 and the following procedures:
 - (1) 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-year flood elevation.
 - (2) Except for a possible modification of the one-and-one-half-foot freeboard requirement involved, no variance shall be granted for any of the other requirements pertaining specifically to development which may endanger human life (§ 54-27).
 - (3) If granted, a variance shall involve only the least modification necessary to provide relief.
 - (4) In granting any variance, the Borough of Heidelberg 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 Part 2.
 - (5) Whenever a variance is granted, the Borough of Heidelberg 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.
 - (6) In reviewing any request for a variance, the Borough of Heidelberg shall consider, at a minimum, 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 neither:
- [1] Result in an unacceptable or prohibited increase in flood heights, additional threats to public safety, or extraordinary public expense; nor
 - [2] Create nuisances, cause fraud on, or victimize the public, or conflict with any other applicable state or local ordinances and regulations.
- (7) A complete record of all variance requests and related actions shall be maintained by the Borough of Heidelberg. In addition, a report of all variances granted during the year shall be included in the annual report to the FIA.
- B. Notwithstanding any of the above, however, all structures shall be designed and constructed so as to have the capability of resisting the one-hundred-year flood.

ARTICLE IX

Word Usage and Interpretation

§ 54-34. Interpretation.

Unless specifically defined below, words and phrases used in this Part 2 shall be interpreted so as to give this Part 2 its most reasonable application.

§ 54-35. Definitions.

As used in this Part 2, the following terms shall have the meanings indicated:

ACCESSORY USE OR STRUCTURE — A use or structure on the same lot with, and of a nature customarily incidental and subordinate to, the principal use or structure.

BASEMENT — Any area of the building having its floor below ground level on all sides.

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.

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.

DEVELOPMENT — Any man-made change to improved or unimproved real estate, including but not limited to the construction, reconstruction, renovation, repair, expansion, or alteration of buildings or other structures; the placement of manufactured homes; streets, and other paving; utilities; filling, grading and excavation; mining; dredging; drilling operations; storage of equipment or materials; and the subdivision of land.

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.

FLOOD — A temporary inundation of normally dry land areas.

FLOODPLAIN AREA — A relatively flat or low land area which is subject to partial or complete inundation from an adjoining or nearby stream, river or watercourse; and/or any area subject to the unusual and rapid accumulation of surface waters from any source.

FLOODPROOFING — 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.

FLOODWAY — The designated area of a floodplain required to carry and discharge floodwaters of a given magnitude. For the purpose of this Part 2, the floodway shall be capable of accommodating a flood of the one-hundred-year magnitude.

HISTORIC STRUCTURE — Any structure that is:

- A. Listed individually in the National Register of Historic Places (a listing maintained by the Department of Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register;
- B. Certified or preliminarily determined by the Secretary of the Interior as contributing to the historical significance of a registered historic district or a district preliminarily determined by the Secretary to qualify as a registered historic district;
- C. Individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the Secretary of Interior; or
- D. Individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:
 - (1) By an approved state program as determined by the Secretary of the Interior; or
 - (2) Directly by the Secretary of the Interior in states without approved programs.

IDENTIFIED FLOODPLAIN AREA — The floodplain area specifically identified in this Part 2 as being inundated by the one-hundred-year flood.

LAND DEVELOPMENT — Any of the following activities:

- A. The improvement of one lot or two or more contiguous lots, tracts, or parcels of land for any purpose involving:
 - (1) A group of two or more residential or nonresidential buildings, whether proposed initially or cumulatively, or a single nonresidential building on a lot or lots regardless of the number of occupants or tenure; or
 - (2) The division or allocation of land or space, whether initially or cumulatively, 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.
- B. A subdivision of land.

LOWEST FLOOR — The lowest floor of the lowest fully enclosed area (including basement). An unfinished, flood-resistant, partially enclosed area, used solely for parking of vehicles, building access, and incidental storage, in an area other than a basement area is

not considered the lowest floor of a building, provided that such space is not designed and built so that the structure is in violation of the applicable nonelevation design requirements of this Part 2.

MANUFACTURED HOME – 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.

MANUFACTURED HOME PARK — A parcel of land under single ownership which has been planned and improved for the placement of two or more mobile homes for nontransient use.

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 standpipe, water supply, sewer, drainage, drain leader, gas, oil, waste, vent, or similar piping, electric wiring or mechanical or other work affecting public health or general safety.

NEW CONSTRUCTION — Structures for which the start of construction commenced on or after May 19, 1981, and includes any subsequent improvements thereto.

ONE-HUNDRED-YEAR FLOOD — A flood that, on the average, is likely to occur once every 100 years (i.e., that has a one-percent chance of occurring each year, although the flood may occur in any year).

RECREATIONAL VEHICLE — A vehicle which is:

- A. Built on a single chassis;
- B. Not more than 400 square feet, measured at the largest horizontal projections;
- C. Designed to be self-propelled or permanently towable by a light-duty truck;
- D. Not designed for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.

REGULATORY FLOOD ELEVATION — The one-hundred-year flood elevation plus a freeboard safety factor of 1½ feet.

STRUCTURE — Anything constructed or erected on the ground or attached to the ground, including but not limited to buildings, sheds, mobile homes, and other similar items.

SUBDIVISION — The division or redivision of a lot, tract, or parcel of land by any means into two or more lots, tracts, parcels or other divisions of land including changes in existing lot lines for the purpose, whether immediate or future, of lease, partition by the court for distribution to heirs, or devisees, 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 10 acres, not involving any new street or easement of access or any residential dwelling, shall be exempted.

SUBSTANTIAL DAMAGE — Damage from any cause sustained by a structure whereby the cost of restoring the structure to its before-damaged condition would equal or exceed 50% or more of the market value of the structure before the damage occurred.

SUBSTANTIAL IMPROVEMENT — Any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50% of the market value of the structure before the start of construction of the improvement. This term includes structures which have incurred substantial damage, regardless of the actual repair work performed. The term does not, however, include either:

- A. Any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which are the minimum necessary to assure safe living conditions; or
- B. Any alteration of a historic structure, provided that the alteration will not preclude the structure's continued designation as a historic structure.

