Navigating the Rising Tides: Designing and Planning for Resiliency

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(Use this form to file a local law with the Secretary of State.)

Text of law should be given as amended. Do not include matter being eliminated and do not use italics or underlining to indicate new matter.

County			
City			
Town	of	Greece	
Village	-		

Local Law No. 1 of the year 2018

A local law for Flood Damage Prevention as authorized by the New York State Constitution Article IX, Section 2, and Environmental Conservation Law, Article 36. This proposed local law would replace Town Code Chapter 117 in its entirety.

Be it enacted by the	Town Board	of the
	(Name of Legislative Body)	
County		
City Town of	Greece	as follows:
Village		

SECTION 1.0 STATUTORY AUTHORIZATION AND PURPOSE

1.1 FINDINGS

The Town Board of the Town of Greece finds that the potential and/or actual damages from flooding and erosion may be a problem to the residents of the Town of Greece and that such damages may include: destruction or loss of private and public housing, damage to public facilities, both publicly and privately owned, and injury to and loss of human life. In order to minimize the threat of such damages and to achieve the purposes and objectives hereinafter set forth, this local law is adopted.

1.2 STATEMENT OF PURPOSE

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

- (1) regulate uses which are dangerous to health, safety and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities;
- (2) require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;
- (3) control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of flood waters;

- (4) Control filling, grading, dredging and other development which may increase erosion or flood damages;
- (5) regulate the construction of flood barriers which will unnaturally divert flood waters or which may increase flood hazards to other lands, and;
- (6) qualify and maintain for participation in the National Flood Insurance Program.

1.3 OBJECTIVES

The objectives of this local law are:

- (l) to protect human life and health;
- (2) to minimize expenditure of public money for costly flood control projects;
- (3) to minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- (4) to minimize prolonged business interruptions;
- (5) to minimize damage to public facilities and utilities such as water and gas mains, electric, telephone, sewer lines, streets and bridges located in areas of special flood hazard;
- (6) to help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas;
- (7) to provide that developers are notified that property is in an area of special flood hazard; and,
- (8) to ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.

SECTION 2.0 DEFINITIONS

- "Accessory Structure" is a structure used solely for parking (two-car detached garages or smaller) or limited storage, represent a minimal investment of not more than 10 percent of the value of the primary structure, and may not be used for human habitation.
- "Appeal" means a request for a review of the Local Administrator's interpretation of any provision of this Local Law or a request for a variance.
- "Area of shallow flooding" means a designated AO, AH or VO Zone on a community's Flood Insurance Rate Map (FIRM) with a one percent or greater annual chance of flooding to an average annual depth of one to three feet where a clearly defined channel does not exist, where the path of flooding is unpredictable and where velocity flow may be evident. Such flooding is characterized by ponding or sheet flow.
- "Area of special flood hazard" is the land in the floodplain within a community subject to a one percent or greater chance of flooding in any given year. This area may be designated as Zone A, AE, AH, AO, A1-A30, A99, V, VO, VE, or V1-V30. It is also commonly referred to as the base floodplain or l00-year floodplain. For purposes of this Local Law, the term "special flood hazard area (SFHA)" is synonymous in meaning with the phrase "area of special flood hazard."

- "Base flood" means the flood having a one percent chance of being equaled or exceeded in any given year.
- "Basement" means that portion of a building having its floor subgrade (below ground level) on all sides.
- "Building" see "Structure"
- "Cellar" has the same meaning as "Basement".
- "Crawl Space" means an enclosed area beneath the lowest elevated floor, eighteen inches or more in height, which is used to service the underside of the lowest elevated floor. The elevation of the floor of this enclosed area, which may be of soil, gravel, concrete or other material, must be equal to or above the lowest adjacent exterior grade. The enclosed crawl space area shall be properly vented to allow for the equalization of hydrostatic forces which would be experienced during periods of flooding.
- "Development" means any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, paving, excavation or drilling operations or storage of equipment or materials.
- "Elevated building" means a non-basement building (i) built, in the case of a building in Zones A1-A30, AE, A, A99, AO, AH, B, C, X, or D, to have the top of the elevated floor, or in the case of a building in Zones V1-30, VE, or V, to have the bottom of the lowest horizontal structure member of the elevated floor, elevated above the ground level by means of pilings, columns (posts and piers), or shear walls parallel to the flow of the water and (ii) adequately anchored so as not to impair the structural integrity of the building during a flood of up to the magnitude of the base flood. In the case of Zones A1-A30, AE, A, A99, AO, AH, B, C, X, or D, "elevated building" also includes a building elevated by means of fill or solid foundation perimeter walls with openings sufficient to facilitate the unimpeded movement of flood waters. In the case of Zones V1-V30, VE, or V, "elevated building" also includes a building otherwise meeting the definition of "elevated building", even though the lower area is enclosed by means of breakaway walls that meet the federal standards.
- "Federal Emergency Management Agency" means the Federal agency that administers the National Flood Insurance Program.
- "Flood" or "Flooding" means a general and temporary condition of partial or complete inundation of normally dry land areas from:
 - (1) the overflow of inland or tidal waters;
 - (2) the unusual and rapid accumulation or runoff of surface waters from any source.
- "Flood" or "flooding" also means the collapse or subsidence of land along the shore of a lake or other body of water as a result of erosion or undermining caused by waves or currents of water exceeding anticipated cyclical levels or suddenly caused by an unusually high water level in a natural body of water, accompanied by a severe storm, or by an unanticipated force of nature, such as a flash flood or an abnormal tidal surge, or by some similarly unusual and unforeseeable event which results in flooding as defined in (1) above.
- "Flood Boundary and Floodway Map (FBFM)" means an official map of the community published by the Federal Emergency Management Agency as part of a riverine community's Flood Insurance Study. The FBFM delineates a Regulatory Floodway along water courses studied in detail in the Flood Insurance Study.

- "Flood Elevation Study" means an examination, evaluation and determination of the flood hazards and, if appropriate, corresponding water surface elevations, or an examination, evaluation and determination of flood-related erosion hazards.
- "Flood Hazard Boundary Map (FHBM)" means an official map of a community, issued by the Federal Emergency Management Agency, where the boundaries of the areas of special flood hazard have been designated as Zone A but no flood elevations are provided.
- "Flood Insurance Rate Map (FIRM)" means an official map of a community, on which the Federal Emergency Management Agency has delineated both the areas of special flood hazard and the risk premium zones applicable to the community.
- "Flood Insurance Study" see "flood elevation study".
- "Floodplain" or "Flood-prone area" means any land area susceptible to being inundated by water from any source (see definition of "Flooding").
- "Floodproofing" means any combination of structural and non-structural additions, changes, or adjustments to structures which reduce or eliminate flood damage to real estate or improved real property, water and sanitary facilities, structures and their contents.
- "Floodway" has the same meaning as "Regulatory Floodway".
- "Functionally dependent use" means a use which cannot perform its intended purpose unless it is located or carried out in close proximity to water, such as a docking or port facility necessary for the loading and unloading of cargo or passengers, shipbuilding, and ship repair facilities. The term does not include long-term storage, manufacturing, sales, or service facilities.
- "Highest adjacent grade" means the highest natural elevation of the ground surface, prior to construction, next to the proposed walls of a structure.
- "Historic structure" means any structure that is:
 - (1) listed individually in the National Register of Historic Places (a listing maintained by the Department of the Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register;
 - (2) 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;
 - individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the Secretary of the Interior; or
 - (4) individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:
 - (i) by an approved state program as determined by the Secretary of the Interior or
 - (ii) directly by the Secretary of the Interior in states without approved programs.
- "Local Administrator" is the person appointed by the community to administer and implement this local law by granting or denying development permits in accordance with its provisions. This person is often the Building Inspector, Code Enforcement Officer, or employee of an engineering department.

- "Lowest floor" means lowest floor of the lowest enclosed area (including basement or cellar). An unfinished or flood resistant enclosure, usable solely for parking of vehicles, building access, or storage in an area other than a basement area is not considered a building's lowest floor; provided, that such enclosure is not built so as to render the structure in violation of the applicable non-elevation design requirements of this Local Law.
- "Manufactured home" means a structure, transportable in one or more sections, which is built on a permanent chassis and designed to be used with or without a permanent foundation when connected to the required utilities. The term does not include a "Recreational vehicle"
- "Manufactured home park or subdivision" means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.
- "Mean sea level" means, for purposes of the National Flood Insurance Program, the National Geodetic Vertical Datum (NGVD) of 1929, the North American Vertical Datum of 1988 (NAVD 88), or other datum, to which base flood elevations shown on a community's Flood Insurance Rate Map are referenced.
- "Mobile home" has the same meaning as "Manufactured home".
- "New construction" means structures for which the "start of construction" commenced on or after the effective date of a floodplain management regulation adopted by the community and includes any subsequent improvements to such structure.
- "One hundred year flood" or "100-year flood" has the same meaning as "Base Flood".
- "Principally above ground" means that at least 51 percent of the actual cash value of the structure, excluding land value, is above ground.
- "Recreational vehicle" means a vehicle which is:
 - (1) built on a single chassis;
 - (2) 400 square feet or less when measured at the largest horizontal projections;
 - (3) designed to be self-propelled or permanently towable by a light duty truck; and
 - (4) not designed primarily for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.
- "Regulatory Floodway" means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than a designated height as determined by the Federal Emergency Management Agency in a Flood Insurance Study or by other agencies as provided in Section 4.4-2 of this Law.
- "Start of construction" means the date of permit issuance for new construction and substantial improvements to existing structures, provided that actual start of construction, repair, reconstruction, rehabilitation, addition placement, or other improvement is within 180 days after the date of issuance. The actual start of construction means the first placement of permanent construction of a building (including a manufactured home) on a site, such as the pouring of a slab or footings, installation of pilings or construction of columns.

Permanent construction does not include land preparation (such as clearing, excavation, grading, or filling), or the installation of streets or walkways, or excavation for a basement, footings, piers or

foundations, or the erection of temporary forms, or the installation of accessory buildings such as garages or sheds not occupied as dwelling units or not part of the main building. For a substantial improvement, the actual "start of construction" means the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not that alteration affects the external dimensions of the building.

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

- "Substantial damage" means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.
- "Substantial improvement" means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure before the "start of construction" of the improvement. The term includes structures which have incurred "substantial damage", regardless of the actual repair work performed. The term does not, however, include either:
 - (1) any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which are the minimum necessary to assure safe living conditions; or
 - (2) any alteration of a "Historic structure", provided that the alteration will not preclude the structure's continued designation as a "Historic structure".

"Variance" means a grant of relief from the requirements of this local law which permits construction or use in a manner that would otherwise be prohibited by this local law.

"Violation" means the failure of a structure or other development to be fully compliant with the community's flood plain management regulations.

SECTION 3.0 GENERAL PROVISIONS

3.1 LANDS TO WHICH THIS LOCAL LAW APPLIES

This local law shall apply to all areas of special flood hazard within the jurisdiction of the Town_____ of Greece.

3.2 BASIS FOR ESTABLISHING THE AREAS OF SPECIAL FLOOD HAZARD

The areas of special flood hazard are identified and defined on the following documents prepared by the Federal Emergency Management Agency (COMPLETE ONE THROUGH FIVE AS NECESSARY, RENUMBER SEQUENTIALLY AND CROSS OUT OR DELETE UNUSED SUBSECTIONS):

(1) Flood Insurance Rate Map Panel Numbers 3605500044G, 36055C0053G, 36055C0054G, 3605500061 G, 36055C0062G, 36055C0063G, 36055000640, 36055C0066G, 36055000686, 3605500069G, 36055C0088G, 36055C0157G, 36055C0159G, 36055C0167G, 36055C0176G, 36055C0177G, 36055C0178G, 36055C01790, 36055C0181G, 36055C0182G, 36055C0183G, 36055C0184G, 36055C0186G, 36055C0187G, 3605500191 G, 3605500201 G, the effective date of which is August 28, 2008.

(2) A scientific and engineering report entitled "Flood Insurance Study, Town of Greece, New York, Monroe County," dated August 28, 2008.

The above documents are hereby adopted and declared to be a part of this chapter and are filed at the offices of the Town Clerk, Greece Town Hall, One Vince Tofany Boulevard, Rochester, New York 14616.

3.3 INTERPRETATION AND CONFLICT WITH OTHER LAWS

This Local Law includes all revisions to the National Flood Insurance Program through October 27, 1997 and shall supersede all previous laws adopted for the purpose of flood damage prevention.

In their interpretation and application, the provisions of this local law shall be held to be minimum requirements, adopted for the promotion of the public health, safety, and welfare. Whenever the requirements of this local law are at variance with the requirements of any other lawfully adopted rules, regulations, or ordinances, the most restrictive, or that imposing the higher standards, shall govern.

3.4 SEVERABILITY

The invalidity of any section or provision of this local law shall not invalidate any other section or provision thereof.

3.5 PENALTIES FOR NON-COMPLIANCE

No structure in an area of special flood hazard shall hereafter be constructed, located, extended, converted, or altered and no land shall be excavated or filled without full compliance with the terms of this local law and any other applicable regulations. Any infraction of the provisions of this local law by failure to comply with any of its requirements, including infractions of conditions and safeguards established in connection with conditions of the permit, shall constitute a violation. Any person who violates this local law or fails to comply with any of its requirements shall, upon conviction thereof, be fined no more than \$250 or imprisoned for not more than 15 days or both. Each day of noncompliance shall be considered a separate offense. Nothing herein contained shall prevent the Town of Greece from taking such other lawful action as necessary to prevent or remedy an infraction. Any structure found not compliant with the requirements of this local law for which the developer and/or owner has not applied for and received an approved variance under Section 6.0 will be declared non-compliant and notification sent to the Federal Emergency Management Agency.

3.6 WARNING AND DISCLAIMER OF LIABILITY

The degree of flood protection required by this local law is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger floods can and will occur on rare occasions. Flood heights may be increased by man-made or natural causes. This local law does not imply that land outside the area of special flood hazards or uses permitted within such areas will be free from flooding or flood damages. This local law shall not create liability on the part of the Town of Greece, any officer or employee thereof, or the Federal Emergency Management Agency, for any flood damages that result from reliance on this local law or any administrative decision lawfully made there under.

SECTION 4.0 ADMINISTRATION

4.1 DESIGNATION OF THE LOCAL ADMINISTRATOR

The Building Inspector is hereby appointed Local Administrator to administer and implement this local law by granting or denying floodplain development permits in accordance with its provisions.

4.2 THE FLOODPLAIN DEVELOPMENT PERMIT

4.2-1 PURPOSE

A floodplain development permit is hereby established for all construction and other development to be undertaken in areas of special flood hazard in this community for the purpose of protecting its citizens from increased flood hazards and insuring that new development is constructed in a manner that minimizes its exposure to flooding. It shall be unlawful to undertake any development in an area of special flood hazard, as shown on the Flood Insurance Rate Map enumerated in Section 3.2, without a valid floodplain development permit. Application for a permit shall be made on forms furnished by the Local Administrator and may include, but not be limited to: plans, in duplicate, drawn to scale and showing: the nature, location, dimensions, and elevations of the area in question; existing or proposed structures, fill, storage of materials, drainage facilities, and the location of the foregoing.

4.2-2 FEES. All applications for a floodplain development permit shall be accompanied by an application fee to be established from time to time by the Town Board. In addition, the applicant shall be responsible for reimbursing the Town of Greece for any additional costs necessary for review, inspection and approval of this project. The local administrator may require a deposit of not more than \$500 to cover these additional costs.

4.3 APPLICATION FOR A PERMIT

The applicant shall provide the following information as appropriate. Additional information may be required on the permit application form.

- (1) The proposed elevation, in relation to mean sea level, of the lowest floor (including basement or cellar) of any new or substantially improved structure to be located in Zones A1-A30, AE or AH, or Zone A if base flood elevation data are available. Upon completion of the lowest floor, the permitee shall submit to the Local Administrator the as-built elevation, certified by a licensed professional engineer or surveyor.
- (2) The proposed elevation, in relation to mean sea level, to which any new or substantially improved non-residential structure will be floodproofed. Upon completion of the floodproofed portion of the structure, the permitee shall submit to the Local Administrator the as-built floodproofed elevation, certified by a professional engineer or surveyor.
- (3) A certificate from a licensed professional engineer or architect that any utility floodproofing will meet the criteria in Section 5.2-3, UTILITIES.
- (4) A certificate from a licensed professional engineer or architect that any non-residential floodproofed structure will meet the floodproofing criteria in Section 5.4, NON-RESIDENTIAL STRUCTURES.
- (5) A description of the extent to which any watercourse will be altered or relocated as a result of proposed development. Computations by a licensed professional engineer must be submitted that demonstrate that the altered or relocated segment will provide equal or greater conveyance than the original stream segment. The applicant must submit any maps,

computations or other material required by the Federal Emergency Management Agency (FEMA) to revise the documents enumerated in Section 3.2, when notified by the Local Administrator, and must pay any fees or other costs assessed by FEMA for this purpose. The applicant must also provide assurances that the conveyance capacity of the altered or relocated stream segment will be maintained.

- (6) A technical analysis, by a licensed professional engineer, if required by the Local Administrator, which shows whether proposed development to be located in an area of special flood hazard may result in physical damage to any other property.
- (7) In Zone A, when no base flood elevation data are available from other sources, base flood elevation data shall be provided by the permit applicant for subdivision proposals and other proposed developments (including proposals for manufactured home and recreational vehicle parks and subdivisions) that are greater than either 50 lots or 5 acres.

4.4 DUTIES AND RESPONSIBILITIES OF THE LOCAL ADMINISTRATOR

Duties of the Local Administrator shall include, but not be limited to the following.

4.4-1 PERMIT APPLICATION REVIEW

The Local Administrator shall conduct the following permit application review before issuing a floodplain development permit:

- (1) Review all applications for completeness, particularly with the requirements of subsection 4.3, APPLICATION FOR A PERMIT, and for compliance with the provisions and standards of this law.
- (2) Review subdivision and other proposed new development, including manufactured home parks to determine whether proposed building sites will be reasonably safe from flooding. If a proposed building site is located in an area of special flood hazard, all new construction and substantial improvements shall meet the applicable standards of Section 5.0, CONSTRUCTION STANDARDS and, in particular, sub-section 5.1-1 SUBDIVISION PROPOSALS.
- (3) Determine whether any proposed development in an area of special flood hazard may result in physical damage to any other property (e.g., stream bank erosion and increased flood velocities). The Local Administrator may require the applicant to submit additional technical analyses and data necessary to complete the determination.
 - If the proposed development may result in physical damage to any other property or fails to meet the requirements of Section 5.0, CONSTRUCTION STANDARDS, no permit shall be issued. The applicant may revise the application to include measures that mitigate or eliminate the adverse effects and re-submit the application.
- (4) Determine that all necessary permits have been received from those governmental agencies from which approval is required by State or Federal law.

4.4-2 USE OF OTHER FLOOD DATA

(1) When the Federal Emergency Management Agency has designated areas of special flood hazard on the community's Flood Insurance Rate map (FIRM) but has neither produced water surface elevation data (these areas are designated Zone A or V on the FIRM) nor identified a floodway, the Local Administrator shall obtain, review and

reasonably utilize any base flood elevation and floodway data available from a Federal, State or other source, including data developed pursuant to paragraph 4.3(7), as criteria for requiring that new construction, substantial improvements or other proposed development meet the requirements of this law.

- (2) When base flood elevation data are not available, the Local Administrator may use flood information from any other authoritative source, such as historical data, to establish flood elevations within the areas of special flood hazard, for the purposes of this law.
- (3) When an area of special flood hazard, base flood elevation, and/or floodway data are available from a Federal, State or other authoritative source, but differ from the data in the documents enumerated in Section 3.2, the Local Administrator may reasonably utilize the other flood information to enforce more restrictive development standards.
- (4) All streams and water bodies have potential floodplains during periods of extreme run-off. FEMA has mapped some of the Town's waterbodies, but others remained unmapped by FEMA. In 1975, The Army Corps of Engineers Published a Town-wide study and an associated map that included all waterbodies, unfortunately the study has limitations with respect to the physical changes both in Greece and in upstream areas that have occurred since the study was undertaken. Any area identified as a floodplain in the 1975 study is considered to be in the floodplain today and regulated as such, unless and until a more accurate study is developed for the area of concern and accepted by the administrator.

4.4-3 ALTERATION OF WATERCOURSES

- (l) Notification to adjacent municipalities that may be affected and the New York State Department of Environmental Conservation prior to permitting any alteration or relocation of a watercourse, and submit evidence of such notification to the Regional Administrator, Region II, Federal Emergency Management Agency.
- (2) Determine that the permit holder has provided for maintenance within the altered or relocated portion of said watercourse so that the flood carrying capacity is not diminished.

4.4-4 CONSTRUCTION STAGE

- (1) In Zones A1-A30, AE and AH, and also Zone A if base flood elevation data are available, upon placement of the lowest floor or completion of floodproofing of a new or substantially improved structure, obtain from the permit holder a certification of the as-built elevation of the lowest floor or floodproofed elevation, in relation to mean sea level. The certificate shall be prepared by or under the direct supervision of a licensed land surveyor or professional engineer and certified by same. For manufactured homes, the permit holder shall submit the certificate of elevation upon placement of the structure on the site. A certificate of elevation must also be submitted for a recreational vehicle if it remains on a site for 180 consecutive days or longer (unless it is fully licensed and ready for highway use).
- (2) Any further work undertaken prior to submission and approval of the certification shall be at the permit holder's risk. The Local Administrator shall review all data submitted. Deficiencies detected shall be cause to issue a stop work order for the project unless immediately corrected.

4.4-5 INSPECTIONS

The Local Administrator and/or the developer's engineer or architect shall make periodic inspections at appropriate times throughout the period of construction in order to monitor compliance with permit conditions and enable said inspector to certify, if requested, that the development is in compliance with the requirements of the floodplain development permit and/or any variance provisions.

4.4-6 STOP WORK ORDERS

- (1) The Local Administrator shall issue, or cause to be issued, a stop work order for any floodplain development found ongoing without a development permit. Disregard of a stop work order shall subject the violator to the penalties described in Section 3.5 of this local law.
- (2) The Local Administrator shall issue, or cause to be issued, a stop work order for any floodplain development found non-compliant with the provisions of this law and/or the conditions of the development permit. Disregard of a stop work order shall subject the violator to the penalties described in Section 3.5 of this local law.

4.4-7 CERTIFICATE OF COMPLIANCE

- (1) In areas of special flood hazard, as determined by documents enumerated in Section 3.2, it shall be unlawful to occupy or to permit the use or occupancy of any building or premises, or both, or part thereof hereafter created, erected, changed, converted or wholly or partly altered or enlarged in its use or structure until a certificate of compliance has been issued by the Local Administrator stating that the building or land conforms to the requirements of this local law.
- (2) A certificate of compliance shall be issued by the Local Administrator upon satisfactory completion of all development in areas of special flood hazard.
- (3) Issuance of the certificate shall be based upon the inspections conducted as prescribed in Section 4.4-5, INSPECTIONS, and/or any certified elevations, hydraulic data, floodproofing, anchoring requirements or encroachment analyses which may have been required as a condition of the approved permit.

4.4-8 INFORMATION TO BE RETAINED

The Local Administrator shall retain and make available for inspection, copies of the following:

- (1) Floodplain development permits and certificates of compliance;
- (2) Certifications of as-built lowest floor elevations of structures, required pursuant to sub-sections 4.4-4(1) and 4.4-4(2), and whether or not the structures contain a basement;
- (3) Floodproofing certificates required pursuant to sub-section 4.4-4(1), and whether or not the structures contain a basement:
- (4) Variances issued pursuant to Section 6.0, VARIANCE PROCEDURES; and,

(5) Notices required under sub-section 4.4-3, ALTERATION OF WATERCOURSES.

SECTION 5.0 CONSTRUCTION STANDARDS

5.1 GENERAL STANDARDS

The following standards apply to new development, including new and substantially improved structures, in the areas of special flood hazard shown on the Flood Insurance Rate Map designated in Section 3.2.

5.1-1 SUBDIVISION PROPOSALS

The following standards apply to all new subdivision proposals and other proposed development in areas of special flood hazard (including proposals for manufactured home and recreational vehicle parks and subdivisions):

- (l) Proposals shall be consistent with the need to minimize flood damage;
- (2) Public utilities and facilities such as sewer, gas, electrical and water systems shall be located and constructed so as to minimize flood damage; and,
- (3) Adequate drainage shall be provided to reduce exposure to flood damage.

5.1-2 ENCROACHMENTS

- (1) Within Zones A1-A30 and AE, on streams without a regulatory floodway, no new construction, substantial improvements or other development (including fill) shall be permitted unless:
 - (i) the applicant demonstrates that the cumulative effect of the proposed development, when combined with all other existing and anticipated development, will not increase the water surface elevation of the base flood more than one foot at any location, or,
 - (ii) the Town of Greece agrees to apply to the Federal Emergency Management Agency (FEMA) for a conditional FIRM revision, FEMA approval is received and the applicant provides all necessary data, analyses and mapping and reimburses the Town of Greece for all fees and other costs in relation to the application. The applicant must also provide all data, analyses and mapping and reimburse the Town of Greece for all costs related to the final map revision.
- (2) On streams with a regulatory floodway, as shown on the Flood Boundary and Floodway Map or the Flood Insurance Rate Map adopted in Section 3.2, no new construction, substantial improvements or other development in the floodway (including fill) shall be permitted unless:
 - (i) a technical evaluation by a licensed professional engineer demonstrates through hydrologic and hydraulic analyses performed in accordance with standard engineering practice that such an encroachment shall not result in <u>any</u> increase in flood levels during occurrence of the base flood, or,

- (ii) the Town of Greece agrees to apply to the Federal Emergency Management Agency (FEMA) for a conditional FIRM and floodway revision, FEMA approval is received and the applicant provides all necessary data, analyses and mapping and reimburses the Town of Greece for all fees and other costs in relation to the application. The applicant must also provide all data, analyses and mapping and reimburse the Town of Greece for all costs related to the final map revisions.
- (3) In Zones A1-A30, AE and AH, and also Zone A if base flood elevation data are available, if any development is found to increase or decrease base flood elevations, the Town of Greece shall as soon as practicable, but not later than six months after the date such information becomes available, notify FEMA and the New York State Department of Environmental Conservation of the changes by submitting technical or scientific data in accordance with standard engineering practice.
- (4) Whenever any portion of a floodplain is authorized for development, except in Lake Ontario AE zones, the volume of space occupied by the authorized fill or structure below the base flood elevation shall be compensated for and balanced by a hydraulically equivalent volume of excavation taken from below the base flood elevation at or adjacent to the development site. All such excavations shall be constructed to drain freely to the watercourse. No area below the waterline of a pond or other body of water can be credited as a compensating excavation.

5.2 STANDARDS FOR ALL STRUCTURES

The following standards apply to new development, including new and substantially improved structures, in the areas of special flood hazard shown on the Flood Insurance Rate Map designated in Section 3.2.

5.2-1 ANCHORING

New structures and substantial improvement to structures in areas of special flood hazard shall be anchored to prevent flotation, collapse, or lateral movement during the base flood. This requirement is in addition to applicable State and local anchoring requirements for resisting wind forces.

5.2-2 CONSTRUCTION MATERIALS AND METHODS

- (l) New construction and substantial improvements to structures shall be constructed with materials and utility equipment resistant to flood damage.
- (2) New construction and substantial improvements to structures shall be constructed using methods and practices that minimize flood damage.
- (3) For enclosed areas below the lowest floor of a structure within Zones A1-A30, AE, AO or A, new and substantially improved structures shall have fully enclosed areas below the lowest floor that are useable solely for parking of vehicles, building access or storage in an area other than a basement and which are subject to flooding, designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of flood waters. Designs for meeting this requirement

must either be certified by a licensed professional engineer or architect or meet or exceed the following minimum criteria:

- (i) a minimum of two openings of each enclosed area having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding;
- (ii) the bottom of all such openings no higher than one foot above the lowest adjacent finished grade and;
- (iii) openings not less than three inches in any direction.

Openings may be equipped with louvers, valves, screens or other coverings or devices provided they permit the automatic entry and exit of floodwaters. Enclosed areas subgrade on all sides are considered basements and are not permitted.

5.2-3 UTILITIES

- (1) New and replacement electrical equipment, heating, ventilating, air conditioning, plumbing connections, and other service equipment shall be located at least two feet above the base flood elevation, or at least three feet above the highest adjacent grade in a Zone A without an available base flood elevation, or be designed to prevent water from entering and accumulating within the components during a flood and to resist hydrostatic and hydrodynamic loads and stresses. Electrical wiring and outlets, switches, junction boxes and panels shall be elevated or designed to prevent water from entering and accumulating within the components unless they conform to the appropriate provisions of the electrical part of the Building Code of New York State or the Residential Code of New York State for location of such items in wet locations;
- (2) New and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system;
- (3) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters. Sanitary sewer and storm drainage systems for buildings that have openings below the base flood elevation shall be provided with automatic backflow valves or other automatic backflow devices that are installed in each discharge line passing through a building's exterior wall; and,
- (5) On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

5.2-4 STORAGE TANKS

- (1) Underground tanks shall be anchored to prevent flotation, collapse and lateral movement during conditions of the base flood.
- (2) Above-ground tanks shall be:
 - a. anchored to prevent floatation, collapse or lateral movement during conditions of the base flood or;
 - b. installed at or above the base flood elevation as shown on the Flood Insurance Rate Map enumerated in Section 3.2 plus two feet.

5.3 RESIDENTIAL STRUCTURES

5.3-1 ELEVATION

The following standards apply to new and substantially improved residential structures located in areas of special flood hazard, in addition to the requirements in sub-sections 5.1-1, SUBDIVISION PROPOSALS, and 5.1-2, ENCROACHMENTS, and Section 5.2, STANDARDS FOR ALL STRUCTURES.

- (1) Within Zones A1-A30, AE and AH and also Zone A if base flood elevation data are available, new construction and substantial improvements shall have the lowest floor (including basement) elevated to or above two feet above the base flood elevation.
- (2) Within Zone A, when no base flood elevation data are available, new construction and substantial improvements shall have the lowest floor (including basement) elevated at least three feet above the highest adjacent grade.
- (3) Within Zone AO, new construction and substantial improvements shall have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's Flood Insurance Rate Map enumerated in Section 3.2 plus two feet (at least three feet if no depth number is specified).
- (4) Within Zones AH and AO, adequate drainage paths are required to guide flood waters around and away from proposed structures on slopes.

5.4 NON-RESIDENTIAL STRUCTURES

The following standards apply to new and substantially improved commercial, industrial and other non-residential structures located in areas of special flood hazard, in addition to the requirements in sub-sections 5.1-1, SUBDIVISION PROPOSALS, and 5.1-2, ENCROACHMENTS, and Section 5.2, STANDARDS FOR ALL STRUCTURES.

- (1) Within Zones A1-A30, AE and AH, and also Zone A if base flood elevation data are available, new construction and substantial improvements of any non-residential structure shall either:
 - (i) have the lowest floor, including basement or cellar, elevated to or above two feet above the base flood elevation; or
 - (ii) be floodproofed so that the structure is watertight below two feet above the base flood elevation, including attendant utility and sanitary facilities, with walls substantially impermeable to the passage of water. All structural components located below the base flood level must be capable of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy.
- (2) Within Zone AO, new construction and substantial improvements of non-residential structures shall:
 - (i) have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM plus two feet (at least three feet if no depth number is specified), or

- (ii) together with attendant utility and sanitary facilities, be completely floodproofed to that level to meet the floodproofing standard specified in sub-section 5.4(1)(ii)
- (3) If the structure is to be floodproofed, a licensed professional engineer or architect shall develop and/or review structural design, specifications, and plans for construction. A Floodproofing Certificate or other certification shall be provided to the Local Administrator that certifies the design and methods of construction are in accordance with accepted standards of practice for meeting the provisions of Section 5.4(1)(ii), including the specific elevation (in relation to mean sea level) to which the structure is to be floodproofed.
- (4) Within Zones AH and AO, adequate drainage paths are required to guide flood waters around and away from proposed structures on slopes.
- (5) Within Zone A, when no base flood elevation data are available, the lowest floor (including basement) shall be elevated at least three feet above the highest adjacent grade.

5.5 MANUFACTURED HOMES AND RECREATIONAL VEHICLES

The following standards in addition to the standards in Section 5.1, GENERAL STANDARDS, and Section 5.2, STANDARDS FOR ALL STRUCTURES apply, as indicated, in areas of special flood hazard to manufactured homes and to recreational vehicles which are located in areas of special flood hazard.

- (1) Recreational vehicles placed on sites within Zones A1-A30, AE and AH shall either:
 - (i) be on site fewer than 180 consecutive days,
 - (ii) be fully licensed and ready for highway use, or
 - (iii) meet the requirements for manufactured homes in paragraphs 5.5(2), (3) and (4).

A recreational vehicle is ready for highway use if it is on its wheels or jacking system, is attached to the site only by quick disconnect type utilities and security devices and has no permanently attached additions.

- (2) A manufactured home that is placed or substantially improved in Zones A1-A30, AE and AH shall be elevated on a permanent foundation such that the bottom of the frame of the manufactured home chassis is elevated to or above two feet above the base flood elevation and is securely anchored to an adequately anchored foundation system to resist flotation, collapse and lateral movement.
- (3) Within Zone A, when no base flood elevation data are available, new and substantially improved manufactured homes shall be elevated such that the bottom of the frame of the manufactured home chassis is supported by reinforced piers or other foundation elements of at least equivalent strength that are no less than 36 inches in height above grade and are securely anchored to an adequately anchored foundation system to resist flotation, collapse or lateral movement.
- (4) Within Zone AO, the bottom of the frame of the manufactured home chassis shall be elevated above the highest adjacent grade at least as high as the depth number specified on the Flood Insurance Rate Map enumerated in Section 3.2 plus two feet (at least three feet if no depth number is specified).

5.6 ACCESSORY STRUCTURES INCLUDING DETACHED GARAGES

The following standards apply to new and substantially improved accessory structures, including detached garages, in the areas of special flood hazard shown on the Flood Insurance Rate Map designated in Section 3.2.

- (1) Within Zones A1-A30, AE, AO, AH, A, accessory structures must meet the standards of Section 5.2-1, ANCHORING,
- (2) Within Zones A1-A30, AE and AH, and also Zone A if base flood elevation data are available, areas below two feet above the base flood elevation shall be constructed using methods and practices that minimize flood damage.
- (3) Within Zones AO and Zone A, if base flood elevation data are not available, areas below three feet above the highest adjacent grade shall be constructed using methods and practices that minimize flood damage.
- (4) Structures must be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of flood waters in accordance with Section 5.2-2(3).
- (5) Utilities must meet the requirements of Section 5.2-3, UTILITIES.

SECTION 6.0 VARIANCE PROCEDURE

6.1 APPEALS BOARD

- (l) The Town Board as established by the Town of Greece shall hear and decide appeals and requests for variances from the requirements of this local law.
- (2) The Town Board shall hear and decide appeals when it is alleged there is an error in any requirement, decision, or determination made by the Local Administrator in the enforcement or administration of this local law.
- (3) Those aggrieved by the decision of the Town Board may appeal such decision to the Supreme Court pursuant to Article 78 of the Civil Practice Law and Rules.
- (4) In passing upon such applications, the Town Board, shall consider all technical evaluations, all relevant factors, standards specified in other sections of this local law and:
 - (i) the danger that materials may be swept onto other lands to the injury of others;
 - (ii) the danger to life and property due to flooding or erosion damage;
 - (iii) the susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner;
 - (iv) the importance of the services provided by the proposed facility to the community;
 - (v) the necessity to the facility of a waterfront location, where applicable;
 - (vi) the availability of alternative locations for the proposed use which are not subject to flooding or erosion damage;

- (vii) the compatibility of the proposed use with existing and anticipated development;
- (viii) the relationship of the proposed use to the comprehensive plan and floodplain management program of that area;
- (ix) the safety of access to the property in times of flood for ordinary and emergency vehicles;
- (x) the costs to local governments and the dangers associated with conducting search and rescue operations during periods of flooding;
- (xi) the expected heights, velocity, duration, rate of rise and sediment transport of the flood waters and the effects of wave action, if applicable, expected at the site; and
- (xii) the costs of providing governmental services during and after flood conditions, including search and rescue operations, maintenance and repair of public utilities and facilities such as sewer, gas, electrical, and water systems and streets and bridges.
- (5) Upon consideration of the factors of Section 6.l(4) and the purposes of this local law, the Town Board may attach such conditions to the granting of variances as it deems necessary to further the purposes of this local law.
- (6) The Local Administrator shall maintain the records of all appeal actions including technical information and report any variances to the Federal Emergency Management Agency upon request.

6.2 CONDITIONS FOR VARIANCES

- (1) Generally, variances may be issued for new construction and substantial improvements to be erected on a lot of one-half acre or less in size contiguous to and surrounded by lots with existing structures constructed below the base flood level, providing items (i-xii) in Section 6.l(4) have been fully considered. As the lot size increases beyond the one-half acre, the technical justification required for issuing the variance increases.
- (2) Variances may be issued for the repair or rehabilitation of historic structures upon determination that:
 - (i) the proposed repair or rehabilitation will not preclude the structure's continued designation as a "Historic structure"; and
 - (ii) the variance is the minimum necessary to preserve the historic character and design of the structure.
- (3) Variances may be issued by a community for new construction and substantial improvements and for other development necessary for the conduct of a functionally dependent use provided that:
 - (i) the criteria of subparagraphs 1, 4, 5, and 6 of this Section are met; and
 - (ii) the structure or other development is protected by methods that minimize flood damages during the base flood and create no additional threat to public safety.

(4) levels	Variances shall not be issued within any designated floodway if any increase in flood during the base flood discharge would result.
(5) neces	Variances shall only be issued upon a determination that the variance is the minimum sary, considering the flood hazard, to afford relief.
(6)	Variances shall only be issued upon receiving written justification of:
	(i) a showing of good and sufficient cause;
	(ii) a determination that failure to grant the variance would result in exceptional hardship to the applicant; and
	(iii) a determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, extraordinary public expense, create nuisances, cause fraud on or victimization of the public or conflict with existing local laws or ordinances.
(7)	Any applicant to whom a variance is granted for a building with the lowest floor below the base flood elevation shall be given written notice over the signature of a community official that:
	(i) the issuance of a variance to construct a structure below the base flood level will result in increased premium rates for flood insurance up to amounts as high as \$25 for \$100 of insurance coverage; and
	(ii) such construction below the base flood level increases risks to life and property.
	Such notification shall be maintained with the record of all variance actions as required in Section 4.4-8 of this Local Law.
	Clerk of the County legislative body, City, Town or Village Clerk or officer designated by local legislative body

(Seal)

(Certification to be executed by County Attorney, Corporation Counsel, Town Attorney, Village Attorney or other authorized attorney of locality.)

STATE OF NEW	/ YORK
COUNTY OF M	ONROE

	ertify that the foregoing local law correct taken for the enactment of the local	ontains the correct text and that all proper al law annexed hereto.
	Signature	
	Γown Attorney	
	Title	
T	own of Greece	
	County	
	City of Town	
	Village	
	Date:	
	Clerk of the County legislative boo	dy, City, Town or Village Clerk or officer designated by local legislative body
(Seal)		Date:
(Certification to be execu Attorney or other authoriz		ntion Counsel, Town Attorney, Village
STATE OF NEW YORK COUNTY OF MONROE		
	ertify that the foregoing local law coor taken for the enactment of the local	ontains the correct text and that all proper all law annexed hereto.
	Signature	

Town Attorney	
Title	
Town of Greece	
County	
City of Town	
Village	
Date:	

Chapter 117

FLOOD DAMAGE PREVENTION

ARTICLE I Authorization and Purpose	§ 117-11. Floodplain development permit.
§ 117-1. Findings.§ 117-2. Statement of purpose.§ 117-3. Objectives.	§ 117-12. Application for permit. § 117-13. Powers and duties of local administrator.
ARTICLE II Definitions	ARTICLE V Construction Standards
§ 117-4. Word usage; definitions. ARTICLE III	§ 117-14. General standards.§ 117-15. Standards for all structures.§ 117-16. Residential structures.
General Provisions § 117-5. Applicability.	§ 117-17. Nonresidential structures. § 117-18. Manufactured homes and recreational vehicles.
§ 117-6. Basis for establishing areas of special flood hazard. § 117-7. Interpretation; conflict with	ARTICLE VI Critical Facilities
other provisions. § 117-8. Penalties for offenses.	§ 117-19. New projects.
§ 117-9. Warning and disclaimer of liability.	ARTICLE VII Variance Procedure
ARTICLE IV Administration § 117-10. Designation of local	§ 117-20. Appeals board. § 117-21. Conditions for variances.
9 11: 10: Designation of total	

[HISTORY: Adopted by the Town Board of the Town of Greece 4-16-2002 by L.L. No. 2-2002. Amendments noted where applicable.]

administrator.

GENERAL REFERENCES

Coastal crosion hazard area — See Ch. 83. Environmental quality review — See Ch. 100. Fire prevention and building construction — See Ch. 114. Subdivision of land — See Ch. 181. Zoning — See Ch. 211.

ARTICLE I Authorization and Purpose

§ 117-1. Findings.

The Town Board of the Town of Greece finds that the potential and/or actual damage from flooding and erosion may be a problem to the residents of the Town of Greece and that such damages may include the destruction or loss of private and public housing; damage to public facilities, both publicly and privately owned; and injury to and loss of human life. In order to minimize the threat of such damages and to achieve the purposes and objectives hereinafter set forth, this chapter is adopted.

§ 117-2. Statement of purpose.

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

- A. Regulate uses which are dangerous to health, safety and property due to water or erosion hazards or which result in damaging increases in erosion or in flood heights or velocities.
- B. Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction.
- C. Control the alteration of natural floodplains, stream channels and natural protective barriers which are involved in the accommodation of floodwaters.
- Control filling, grading, dredging and other development which may increase erosion or flood damages.
- E. Regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands.
- F. Qualify for and maintain participation in the National Flood Insurance Program.

§ 117-3. Objectives.

The objectives of this chapter are to:

- Protect human life and health.
- B. Minimize the expenditure of public money for costly flood-control projects.

117:2 05 - 15 - 2009

- C. Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public.
- D. Minimize prolonged business interruptions.
- E. Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in areas of special flood hazard.
- F. Help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood-blight areas.
- G. Provide that developers are notified that property is in an area of special flood hazard.
- H. Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.

ARTICLE II Definitions

§ 117-4. Word usage; definitions.

- A. Unless specifically defined below, words or phrases used in this chapter shall be interpreted so as to give them the meaning they have in common usage and to give this chapter its most reasonable application.
- B. As used in this chapter, the following terms shall have the meanings indicated:

APPEAL — A request for a review of the local administrator's interpretation of any provision of this chapter or a request for a variance.

AREA OF SHALLOW FLOODING — A designated AO, AH or VO Zone on a community's Flood Insurance Rate Map (FIRM) with a one-percent or greater annual chance of flooding to an average annual depth of one foot to three feet where a clearly defined channel does not exist, where the path of flooding is unpredictable and where velocity flow may be evident. Such flooding is characterized by ponding or sheet flow.

AREA OF SPECIAL FLOOD HAZARD — The land in the floodplain within a community subject to a one-percent or greater chance of flooding in any given year. This area may be designated as Zone A, AE, AH, AO, A1-A30, A99, V, VO, VE or V1-V30. It is also commonly referred to as the "base floodplain" or "one-hundred-year floodplain."

BASE FLOOD — The flood having a one-percent chance of being equaled or exceeded in any given year.

BASEMENT — That portion of a building having its floor subgrade (below ground level) on all sides.

BUILDING - See "structure."

CELLAR — Has the same meaning as "basement."

117:3 05 - 15 - 2009

CRAWL SPACE — An enclosed area beneath the lowest elevated floor, 18 inches or more in height, which is used to service the underside of the lowest elevated floor. The elevation of the floor of this enclosed area, which may be of soil, gravel, concrete or other material, must be equal to or above the lowest adjacent exterior grade. The enclosed crawl space area shall be property vented to allow for the equalization of hydrostatic forces which would be experienced during periods of flooding.

CRITICAL FACILITIES — [Added 8-19-2008 by L.L. No. 2-2008]

- (1) Structures or facilities that produce, use, or store highly volatile, flammable, explosive, toxic and/or water-reactive materials; and
- (2) Hospitals, nursing homes, and housing likely to contain occupants who may not be sufficiently mobile to avoid death or injury during a flood; and
- (3) Police stations, fire stations, vehicle and equipment storage facilities, and emergency operations centers that are needed for flood response activities before, during, and after a flood; and
- (4) Public and private utility facilities that are vital to maintaining or restoring normal services to flooded areas before, during, and after a flood; and
- (5) Communications infrastructure, such as cellular phone towers and equipment.

DEVELOPMENT — Any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, paving, excavation or drilling operations or storage of equipment or materials.

ELEVATED BUILDING — A nonbasement building built, in the case of a building in Zone A1-A30, AE, A, A99, AO, AH, B, C, X or D, to have the top of the elevated floor or, in the case of a building in Zone V1-30, VE or V, to have the bottom of the lowest horizontal structure member of the elevated floor elevated above the ground level by means of pilings, columns (posts and piers) or shear walls parallel to the flow of the water and which is adequately anchored so as not to impair the structural integrity of the building during a flood of up to the magnitude of the base flood. In the case of Zone A1-A30, AE, A, A99, AO, AH, B, C, X or D, "elevated building" also includes a building elevated by means of fill or solid foundation perimeter walls with openings sufficient to facilitate the unimpeded movement of floodwaters. In the case of Zone V1-V30, VE or V, "elevated building" also includes a building otherwise meeting the definition of "elevated building" even though the lower area is enclosed by means of breakaway walls that meet the federal standards.

EXISTING MANUFACTURED HOME PARK OR SUBDIVISION — A manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including, at a minimum, the installation of utilities, the construction of streets and either final site grading or the pouring of concrete pads) is complete before the effective date of the floodplain management regulations adopted by the community.

EXPANSION TO AN EXISTING MANUFACTURED HOME PARK OR SUBDIVISION — The preparation of additional sites by the construction of facilities

117:4 05 - 15 - 2009

for servicing the lots on which the manufactured homes are to be affixed (including the installation of utilities, the construction of streets and either final site grading or the pouring of concrete pads).

FEDERAL EMERGENCY MANAGEMENT AGENCY — The federal agency that administers the National Flood Insurance Program.

FLOOD BOUNDARY AND FLOODWAY MAP (FBFM) — An official map of the community published by the Federal Emergency Management Agency as part of a riverine community's Flood Insurance Study. The FBFM delineates a regulatory floodway along watercourses studied in detail in the Flood Insurance Study.

FLOOD ELEVATION STUDY — An examination, evaluation and determination of the flood hazards and, if appropriate, corresponding water surface elevations, or an examination, evaluation and determination of flood-related erosion hazards.

FLOOD HAZARD BOUNDARY MAP (FHBM) — An official map of a community, issued by the Federal Emergency Management Agency, where the boundaries of the areas of special flood hazard have been designated as Zone A but no flood elevations are provided.

FLOOD INSURANCE RATE MAP (FIRM) — An official map of a community, on which the Federal Emergency Management Agency has delineated both the areas of special flood hazard and the risk premium zones applicable to the community.

FLOOD INSURANCE STUDY — See "flood elevation study."

FLOOD or FLOODING —

- (1) A general and temporary condition of partial or complete inundation of normally dry land areas from:
- (2) The overflow of inland or tidal waters.
- (3) The unusual and rapid accumulation or runoff of surface waters from any source.
- (4) The collapse or subsidence of land along the shore of a lake or other body of water as a result of erosion or undermining caused by waves or currents of water exceeding anticipated cyclical levels or suddenly caused by an unusually high water level in a natural body of water, accompanied by a severe storm, or by an unanticipated force of nature, such as a flash flood or an abnormal tidal surge, or by some similarly unusual and unforeseeable event which results in flooding as defined in Subsection (1) of this definition above.

FLOODPLAIN or FLOOD-PRONE AREA — Any land area susceptible to being inundated by water from any source (see the definition of "flood or flooding").

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.

117:5 05 - 15 - 2009

FLOODWAY — Has the same meaning as "regulatory floodway."

FUNCTIONALLY DEPENDENT USE — A use which cannot perform its intended purpose unless it is located or carried out in close proximity to water such as a docking or port facility necessary for the loading and unloading of cargo or passengers, shipbuilding and ship repair facilities. The term does not include long-term storage, manufacturing, sales or service facilities.

HIGHEST ADJACENT GRADE — The highest natural elevation of the ground surface, prior to construction, next to the proposed walls of a structure.

HISTORIC STRUCTURE — Any structure that is:

- Listed individually in the National Register of Historic Places (a listing maintained by the Department of the Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register;
- (2) 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:
- (3) Individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the Secretary of the Interior; or
- (4) Individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:
- (5) By an approved state program as determined by the Secretary of the Interior; or
- (6) Directly by the Secretary of the Interior in states without approved programs.

LOCAL ADMINISTRATOR — The person appointed by the community to administer and implement this chapter by granting or denying development permits in accordance with its provisions. This person is often the Code Enforcement Officer, Building Inspector or employee of an engineering department.

LOWEST FLOOR — The lowest floor of the lowest enclosed area (including the basement or cellar). An unfinished or flood-resistant enclosure, usable solely for the parking of vehicles, building access or storage in an area other than a basement area, is not considered a building's lowest floor, provided that such enclosure is not built so as to render the structure in violation of the applicable nonelevation design requirements of this chapter.

MANUFACTURED HOME — A structure, transportable in one or more sections, which is built on a permanent chassis and designed to be used with or without a permanent foundation when connected to the required utilities. The term does not include a recreational vehicle.

117:6 05 - 15 - 2009

MANUFACTURED HOME PARK OR SUBDIVISION — A parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

MEAN SEA LEVEL — For purposes of the National Flood Insurance Program, the National Geodetic Vertical Datum (NGVD) of 1929 or other datum, to which base flood elevations shown on a community's Flood Insurance Rate Map are referenced.

MOBILE HOME — Has the same meaning as "manufactured home."

NATIONAL GEODETIC VERTICAL DATUM (NGVD) — As corrected in 1929, a vertical control used as a reference for establishing varying elevations within the floodplain.

NEW CONSTRUCTION — Structures for which the start of construction commenced on or after the effective date of a floodplain management regulation adopted by the community and includes any subsequent improvements to such structure.

NEW MANUFACTURED HOME PARK OR SUBDIVISION — A manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including, at a minimum, the installation of utilities, the construction of streets and either final site grading or the pouring of concrete pads) is completed on or after the effective date of floodplain management regulations adopted by a community.

ONE-HUNDRED-YEAR FLOOD - Has the same meaning as "base flood."

PRINCIPALLY ABOVE GROUND — At least 51% of the actual cash value of the structure, excluding land value, is above ground.

RECREATIONAL VEHICLE — A vehicle which is:

- (1) Built on a single chassis;
- (2) Four hundred square feet or less when measured at the largest horizontal projections;
- (3) Designed to be self-propelled or permanently towable by a light-duty truck; and
- (4) Not designed primarily for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel or seasonal use.

REGULATORY FLOODWAY — The channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than a designated height as determined by the Federal Emergency Management Agency in a Flood Insurance Study or by other agencies as provided in § 117-13B of this chapter.

REPETITIVE LOSS — Flood-related damages sustained by a structure on two separate occasions during a ten-year period for which the cost of repairs at the time of such flood event, on the average, equals or exceeds 25% of the market value of the structure before the damage occurred.

START OF CONSTRUCTION — Includes substantial improvement and means the initiation, excluding planning and design, of any phase of a project or physical alteration of the property, and shall include land preparation, such as clearing, grading and filling; installation of streets and/or walkways; excavation for a basement, footings, piers or foundations; or the erection of temporary forms. It also includes the placement and/or installation on the property of accessory buildings (garages and sheds), storage trailers and building materials. For manufactured homes, the "actual start" means affixing of the manufactured home to its permanent site.

STRUCTURE — A walled and roofed building, including a gas or liquid storage tank, that is principally above ground, as well as a manufactured home.

SUBSTANTIAL DAMAGE —

- (1) Damage of any origin sustained by a structure whereby the cost of restoring the structure to its before-damaged condition would equal or exceed 50% of the market value of the structure before the damage occurred.
- (2) Flood-related damages sustained by a structure on two separate occasions during a ten-year period for which the cost of repairs at the time of each such flood event, on the average, equals or exceeds 25% of the market value of the structure before the damage occurred.

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

- 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
- (2) Any alteration of an historic structure, provided that the alteration will not preclude the structure's continued designation as an historic structure.

VARIANCE — A grant of relief from the requirements of this chapter which permits construction or use in a manner that would otherwise be prohibited by this chapter.

ARTICLE III General Provisions

§ 117-5. Applicability.

This chapter shall apply to all areas of special flood hazard within the jurisdiction of the Town of Greece.

117:8 05 - 15 - 2009

§ 117-6. Basis for establishing areas of special flood hazard.

- A. The areas of special flood hazard for the Town of Greece, Community Number 360417, are identified and defined on the following documents prepared by the Federal Emergency Management Agency: [Amended 8-19-2008 by L.L. No. 2-2008]
 - (1) Flood Insurance Rate Map Panel Numbers 36055C0044G, 36055C0053G, 36055C0054G, 36055C0061G, 36055C0062G, 36055C0063G, 36055C0064G, 36055C0066G, 36055C0068G, 36055C0069G, 36055C0088G, 36055C0157G, 36055C0159G, 36055C0167G, 36055C0176G, 36055C0178G, 36055C0179G, 36055C0181G, 36055C0182G, 36055C0183G, 36055C0184G, 36055C0186G, 36055C0187G, 36055C0191G, 36055C0201G, the effective date of which is August 28, 2008.
 - (2) A scientific and engineering report entitled "Flood Insurance Study, Town of Greece, New York, Monroe County," dated August 28, 2008.
- B. The above documents are hereby adopted and declared to be a part of this chapter and are filed at the offices of the Town Clerk, Greece Town Hall, One Vince Tofany Boulevard, Rochester, New York 14616, and Engineering Division, Department of Public Works, 647 Long Pond Road, Rochester, New York 14612.

§ 117-7. Interpretation; conflict with other provisions.

- A. This chapter includes all revisions to the National Flood Insurance Program through October 27, 1997, and shall supersede all previous laws adopted for the purpose of flood damage prevention. [Amended 8-19-2008 by L.L. No. 2-2008]
- B. In their interpretation and application, the provisions of this chapter shall be held to be minimum requirements, adopted for the promotion of the public health, safety and welfare. Whenever the requirements of this chapter are at variance with the requirements of any other lawfully adopted rules, regulations or ordinances, the most restrictive, or that imposing the highest standards, shall govern.

§ 117-8. Penalties for offenses.

No structure in an area of special flood hazard shall hereafter be constructed, located, extended, converted or altered and no land shall be excavated or filled without full compliance with the terms of this chapter and any other applicable regulations. Any infraction of the provisions of this chapter by failure to comply with any of its requirements, including infractions of conditions and safeguards established in connection with conditions of the permit, shall constitute a violation. Any person who violates this chapter or fails to comply with any of its requirements shall, upon conviction thereof, be fined no more than \$250 or imprisoned for not more than 15 days, or both. Each day of noncompliance shall be considered a separate offense. Nothing herein contained shall prevent the Town of Greece from taking such other lawful action as necessary to prevent or remedy an infraction. Any structure found not compliant with the requirements of this chapter for which the developer and/or owner has not applied for and received an approved variance under Article VII will be

117:9 05 - 15 - 2009

declared noncompliant, and notification will be sent to the Federal Emergency Management Agency.

§ 117-9. Warning and disclaimer of liability.

The degree of flood protection required by this chapter is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger floods can and will occur on rare occasions. Flood heights may be increased by man-made or natural causes. This chapter does not imply that land outside the areas of special flood hazard or uses permitted within such areas will be free from flooding or flood damages. This chapter shall not create liability on the part of the Town of Greece, any officer or employee thereof or the Federal Emergency Management Agency for any flood damages that result from reliance on this chapter or any administrative decision lawfully made thereunder.

ARTICLE IV Administration

§ 117-10. Designation of local administrator.

The Building Inspector is hereby appointed local administrator to administer and implement this chapter by granting or denying floodplain development permits in accordance with its provisions.

§ 117-11. Floodplain development permit.

- A. Purpose. A floodplain development permit is hereby established for all construction and other development to be undertaken in areas of special flood hazard in this community for the purpose of protecting its citizens from increased flood hazards and ensuring that new development is constructed in a manner that minimizes its exposure to flooding. It shall be unlawful to undertake any development in an area of special flood hazard, as shown on the Flood Insurance Rate Map enumerated in § 117-6, without a valid floodplain development permit. Application for a permit shall be made on forms furnished by the local administrator and may include, but not be limited to, plans, in duplicate, drawn to scale and showing the nature, location, dimensions and elevations of the area in question; existing or proposed structures; fill; storage of materials; drainage facilities; and the location of the foregoing.
- B. Fees. All applications for a floodplain development permit shall be accompanied by an application fee to be established from time to time by the Town Board. In addition, the applicant shall be responsible for reimbursing the Town of Greece for any additional costs necessary for review, inspection and approval of this project. The local administrator may require a deposit of not more than \$500 to cover these additional costs.

117:10 05 - 15 - 2009

§ 117-12. Application for permit.

The applicant shall provide the following information, as appropriate. Additional information may be required on the permit application form.

- A. The proposed elevation, in relation to mean sea level, of the lowest floor (including the basement or cellar) of any new or substantially improved structure to be located in Zone A1-A30, AE or AH, or Zone A if base flood elevation data are available. Upon completion of the lowest floor, the permittee shall submit to the local administrator the as-built elevation, certified by a licensed professional engineer or surveyor.
- B. The proposed elevation, in relation to mean sea level, to which any new or substantially improved nonresidential structure will be floodproofed. Upon completion of the floodproofed portion of the structure, the permittee shall submit to the local administrator the as-built floodproofed elevation, certified by a professional engineer or surveyor.
- C. A certificate from a licensed professional engineer or architect that any utility floodproofing will meet the criteria in § 117-15C, Utilities.
- D. A certificate from a licensed professional engineer or architect that any nonresidential floodproofed structure will meet the floodproofing criteria in § 117-17, Nonresidential structures.
- E. A description of the extent to which any watercourse will be altered or relocated as a result of proposed development. Computations by a licensed professional engineer must be submitted that demonstrate that the altered or relocated segment will provide equal or greater conveyance than the original stream segment. The applicant must submit any maps, computations or other material required by the Federal Emergency Management Agency (FEMA) to revise the documents enumerated in § 117-6, when notified by the local administrator, and must pay any fees or other costs assessed by FEMA for this purpose. The applicant must also provide assurances that the conveyance capacity of the altered or relocated stream segment will be maintained.
- F. A technical analysis, by a licensed professional engineer, if required by the local administrator, which shows whether proposed development to be located in an area of special flood hazard may result in physical damage to any other property.
- G. In Zone A, when no base flood elevation data are available from other sources, base flood elevation data shall be provided by the permit applicant for subdivision proposals and other proposed developments (including proposals for manufactured home and recreational vehicle parks and subdivisions) that are greater than either 50 lots or five acres.

§ 117-13. Powers and duties of local administrator.

Duties of the local administrator shall include but not be limited to the following:

A. Permit application review. The local administrator shall conduct the following permit application review before issuing a floodplain development permit:

117:11 05 - 15 - 2009

- (1) Review all applications for completeness, particularly with the requirements of § 117-12, Application for permit, and for compliance with the provisions and standards of this chapter.
- (2) Review subdivision and other proposed new development, including manufactured home parks, to determine whether proposed building sites will be reasonably safe from flooding. If a proposed building site is located in an area of special flood hazard, all new construction and substantial improvements shall meet the applicable standards of Article V, Construction Standards, and, in particular, § 117-14A, Subdivision proposals.
- (3) Determine whether any proposed development in an area of special flood hazard may result in physical damage to any other property (e.g., stream bank erosion and increased flood velocities). The local administrator may require the applicant to submit additional technical analyses and data necessary to complete the determination. If the proposed development may result in physical damage to any other property or fails to meet the requirements of Article V, Construction Standards, no permit shall be issued. The applicant may revise the application to include measures that mitigate or eliminate the adverse effects and resubmit the application.
- (4) Determine that all necessary permits have been received from those governmental agencies from which approval is required by state or federal law.

B. Use of other flood data.

- (1) When the Federal Emergency Management Agency has designated areas of special flood hazard on the community's Flood Insurance Rate Map (FIRM) but has neither produced water surface elevation data (these areas are designated Zone A or V on the FIRM) nor identified a floodway, the local administrator shall obtain, review and reasonably utilize any base flood elevation and floodway data available from a federal, state or other source, including data developed pursuant to § 117-12G, as criteria for requiring that new construction, substantial improvements or other proposed development meet the requirements of this chapter.
- (2) When base flood elevation data are not available, the local administrator may use flood information from any other authoritative source, such as historical data, to establish flood elevations within the areas of special flood hazard, for the purposes of this chapter.

C. Alteration of watercourses. The local administrator shall:

 Notify adjacent communities and the New York State Department of Environmental Conservation prior to permitting any alteration or relocation of a watercourse, and submit evidence of such notification to the Regional Director, Region II, Federal Emergency Management Agency.

117:12 05 - 15 - 2009

(2) Determine that the permit holder has provided for maintenance within the altered or relocated portion of said watercourse so that the flood-carrying capacity is not diminished.

D. Construction stage.

- (1) In Zones A1-A30, AE and AH, and also Zone A if base flood elevation data are available, upon placement of the lowest floor or completion of floodproofing of a new or substantially improved structure, the local administrator shall obtain from the permit holder a certification of the as-built elevation of the lowest floor or floodproofed elevation, in relation to mean sea level. The certificate shall be prepared by or under the direct supervision of a licensed land surveyor or professional engineer and certified by the same. For manufactured homes, the permit holder shall submit the certificate of elevation upon placement of the structure on the site. A certificate of elevation must also be submitted for a recreational vehicle if it remains on a site for 180 consecutive days or longer (unless it is fully licensed and ready for highway use).
- (2) Any further work undertaken prior to submission and approval of the certification shall be at the permit holder's risk. The local administrator shall review all data submitted. Deficiencies detected shall be cause to issue a stop-work order for the project unless immediately corrected.
- E. Inspections. The local administrator and/or the developer's engineer or architect shall make periodic inspections at appropriate times throughout the period of construction in order to monitor compliance with permit conditions and enable said inspector to certify, if requested, that the development is in compliance with the requirements of the floodplain development permit and/or any variance provisions.

F. Stop-work orders.

- (1) The local administrator shall issue, or cause to be issued, a stop-work order for any floodplain development found ongoing without a development permit. Disregard of a stop-work order shall subject the violator to the penalties described in § 117-8 of this chapter.
- (2) The local administrator shall issue, or cause to be issued, a stop-work order for any floodplain development found noncompliant with the provisions of this chapter and/or the conditions of the development permit. Disregard of a stop-work order shall subject the violator to the penalties described in § 117-8 of this chapter.

G. Certificate of compliance.

(1) In areas of special flood hazard, as determined by documents enumerated in § 117-6, it shall be unlawful to occupy or to permit the use or occupancy of any building or premises, or both, or part thereof hereafter created, erected, changed, converted or wholly or partly altered or enlarged in its use or structure until a certificate of compliance has been issued by the local administrator stating that the building or land conforms to the requirements of this chapter.

117:13 05 - 15 - 2009

- (2) A certificate of compliance shall be issued by the local administrator upon satisfactory completion of all development in areas of special flood hazard.
- (3) Issuance of the certificate shall be based upon the inspections conducted as prescribed in Subsection E, Inspections, and/or any certified elevations, hydraulic data, floodproofing, anchoring requirements or encroachment analyses which may have been required as a condition of the approved permit.
- H. Information to be retained. The local administrator shall retain and make available for inspection copies of the following:
 - (1) Floodplain development permits and certificates of compliance.
 - (2) Certifications of as-built lowest floor elevations of structures, required pursuant to Subsection D(1) and (2), and whether or not the structures contain a basement.
 - (3) Floodproofing certificates required pursuant to Subsection D(1) and whether or not the structures contain a basement.
 - (4) Variances issued pursuant to Article VII, Variance Procedure.
 - (5) Notices required under Subsection C, Alteration of watercourses.

ARTICLE V Construction Standards

§ 117-14. General standards.

The following standards apply to new development, including new and substantially improved structures, in the areas of special flood hazard shown on the Flood Insurance Rate Map designated in § 117-6:

- A. Subdivision proposals. The following standards apply to all new subdivision proposals and other proposed development in areas of special flood hazard (including proposals for manufactured home and recreational vehicle parks and subdivisions):
 - (1) Proposals shall be consistent with the need to minimize flood damage;
 - (2) Public utilities and facilities such as sewer, gas, electrical and water systems shall be located and constructed so as to minimize flood damage; and
 - (3) Adequate drainage shall be provided to reduce exposure to flood damage.

B. Encroachments.

- (1) Within Zones A1-A30 and AE, on streams without a regulatory floodway, no new construction, substantial improvements or other development (including fill) shall be permitted unless:
 - (a) The applicant demonstrates that the cumulative effect of the proposed development, when combined with all other existing and anticipated

117:14 05 - 15 - 2009

- development, will not increase the water surface elevation of the base flood more than one foot at any location; or
- (b) The Town of Greece agrees to apply to the Federal Emergency Management Agency (FEMA) for a conditional FIRM revision, FEMA approval is received and the applicant provides all necessary data, analyses and mapping and reimburses the Town of Greece for all fees and other costs in relation to the application. The applicant must also provide all data, analyses and mapping and reimburse the Town of Greece for all costs related to the final map revision.
- (2) On streams with a regulatory floodway, as shown on the Flood Boundary and Floodway Map or the Flood Insurance Rate Map adopted in § 117-6, no new construction, substantial improvements or other development in the floodway (including fill) shall be permitted unless:
 - (a) A technical evaluation by a licensed professional engineer shows that such an encroachment shall not result in any increase in flood levels during occurrence of the base flood; or
 - (b) The Town of Greece agrees to apply to the Federal Emergency Management Agency (FEMA) for a conditional FIRM and floodway revision, FEMA approval is received and the applicant provides all necessary data, analyses and mapping and reimburses the Town of Greece for all fees and other costs in relation to the application. The applicant must also provide all data, analyses and mapping and reimburse the Town of Greece for all costs related to the final map revisions.

§ 117-15. Standards for all structures.

- A. Anchoring. New structures and substantial improvement to structures in areas of special flood hazard shall be anchored to prevent flotation, collapse or lateral movement during the base flood. This requirement is in addition to applicable state and local anchoring requirements for resisting wind forces.
- B. Construction materials and methods.
 - (1) New construction and substantial improvements to structures shall be constructed with materials and utility equipment resistant to flood damage.
 - (2) New construction and substantial improvements to structures shall be constructed using methods and practices that minimize flood damage.
 - (3) For enclosed areas below the lowest floor of a structure within Zone A1-A30, AE or AH, and also Zone A if base flood elevation data are available, new and substantially improved structures shall have fully enclosed areas below the lowest floor that are usable solely for parking of vehicles, building access or storage in an area other than a basement and which are subject to flooding, designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must either

117:15 05 - 15 - 2009

be certified by a licensed professional engineer or architect or meet or exceed the following minimum criteria:

- (a) A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided; and
- (b) The bottom of all such openings shall be no higher than one foot above the lowest adjacent finished grade.
- (4) Openings may be equipped with louvers, valves, screens or other coverings or devices, provided that they permit the automatic entry and exit of floodwaters. Enclosed areas subgrade on all sides are considered basements and are not permitted in an identified A Zone. [Amended 8-19-2008 by L.L. No. 2-2008]

C. Utilities.

- (1) Machinery and equipment servicing a building must either be elevated to one foot or more above the base flood level or designed to prevent water from entering or accumulating within the components during a flood. This includes heating, ventilating and air-conditioning equipment, hot-water heaters, appliances, elevator lift machinery and electrical junction and circuit breaker boxes. When located below the base flood elevation, a professional engineer's or architect's certification of the design is required.
- (2) New and replacement water supply systems shall be designed to minimize or eliminate the infiltration of floodwaters into the system.
- (3) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of floodwaters. Sanitary sewer and storm drainage systems for buildings that have openings below the base flood elevation shall be provided with automatic backflow valves or other automatic backflow devices that are installed in each discharge line passing through a building's exterior wall.
- (4) On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

§ 117-16. Residential structures.

- A. Elevation. The following standards, in addition to the standards in § 117-14A, Subdivision proposals, § 117-14B, Encroachments, and § 117-15, Standards for all structures, apply to structures located in areas of special flood hazard as indicated:
 - (1) Within Zones A1-A30, AE and AH and also Zone A if base flood elevation data are available, new construction and substantial improvements shall have the lowest floor (including basement) elevated two feet or more above the base flood level. [Amended 8-19-2008 by L.L. No. 2-2008]

117:16 05 - 15 - 2009

- (2) Within Zone A, when no base flood elevation data are available, new and substantially improved structures shall have the lowest floor elevated at least three feet above the highest adjacent grade.
- (3) Within Zone AO, new and substantially improved structures shall have the lowest floor elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's Flood Insurance Rate Map enumerated in § 117-6 (at least two feet if no depth number is specified).
- (4) Within Zones AH and AO, adequate drainage paths are required to guide floodwaters around and away from proposed structures on slopes.

§ 117-17. Nonresidential structures.

The following standards apply to new and substantially improved commercial, industrial and other nonresidential structures, in addition to the requirements in § 117-14A, Subdivision proposals, § 117-14B, Encroachments, and § 117-15, Standards for all structures:

- A. Within Zones A1-A30, AE and AH, and also Zone A if base flood elevation data are available, new construction and substantial improvements of any nonresidential structure, together with attendant utility and sanitary facilities, shall either:
 - (1) Have the lowest floor, including the basement or cellar, elevated one foot or more above the base flood elevation; or
 - (2) Be floodproofed so that the structure is watertight below a level one foot or more above the base flood level with walls substantially impermeable to the passage of water. All structural components located below the base flood level must be capable of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy.
- B. Within Zone AO, new construction and substantial improvements of nonresidential structures shall:
 - Have the lowest floor elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two feet if no depth number is specified); or
 - (2) Together with attendant utility and sanitary facilities, be completely floodproofed to that level to meet the floodproofing standard specified in Subsection A(1).
- C. If the structure is to be floodproofed, a licensed professional engineer or architect shall develop and/or review structural design, specifications and plans for construction. A floodproofing certificate or other certification shall be provided to the local administrator that certifies that the design and methods of construction are in accordance with accepted standards of practice for meeting the provisions of Subsection A(1), including the specific elevation (in relation to mean sea level) to which the structure is to be floodproofed.

117:17 05 - 15 - 2009

- D. Within Zones AH and AO, adequate drainage paths are required to guide floodwaters around and away from proposed structures on slopes.
- E. Within Zone A, when no base flood elevation data are available, the lowest floor shall be elevated at least three feet above the highest adjacent grade.

§ 117-18. Manufactured homes and recreational vehicles.

The following standards, in addition to the standards in § 117-14, General standards, and § 117-15, Standards for all structures, apply, as indicated, in areas of special flood hazard to manufactured homes and to recreational vehicles which are located in areas of special flood hazard:

A. Recreational vehicles.

- (1) Recreational vehicles placed on sites within Zones A1-A30, AE and AH shall either:
 - (a) Be on site fewer than 180 consecutive days;
 - (b) Be fully licensed and ready for highway use; or
 - (c) Meet the requirements for manufactured homes in Subsections B, D and E below.
- (2) A recreational vehicle is ready for highway use if it is on its wheels or jacking system, is attached to the site only by quick-disconnect-type utilities and security devices and has no permanently attached additions.
- B. A manufactured home that is placed or substantially improved in Zones A1-A30, AE and AH that is on a site either outside of an existing manufactured home park or subdivision as herein defined, in an expansion to an existing manufactured home park or subdivision as herein defined, or in an existing manufactured home park or subdivision as herein defined on which a manufactured home has incurred substantial damage as the result of a flood shall be elevated on a permanent foundation such that the lowest floor is elevated two feet or more above the base flood elevation and is securely anchored to an adequately anchored foundation system to resist flotation, collapse and lateral movement. Elevation on piers consisting of dry, stacked blocks is prohibited. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. [Amended 8-19-2008 by L.L. No. 2-2008]
- C. A manufactured home to be placed or substantially improved in Zone AI-A30, AE and AH in an existing manufactured home park or subdivision that is not to be placed on a site on which a manufactured home has incurred substantial damage shall be:
 - (1) Elevated in a manner such as required in Subsection B above; or
 - (2) Elevated such that the manufactured home chassis is supported by reinforced piers or other foundation elements of at least equivalent strength that are no less than 36 inches in height above grade and are securely anchored to an adequately anchored

117:18 05 - 15 - 2009

foundation system to resist flotation, collapse or lateral movement. Elevation on piers consisting of dry, stacked blocks is prohibited.

- D. Within Zone A, when no base flood elevation data are available, new and substantially improved manufactured homes shall be elevated such that the manufactured home chassis is supported by reinforced piers or other foundation elements of at least equivalent strength that are no less than 36 inches in height above grade and are securely anchored to an adequately anchored foundation system to resist flotation, collapse or lateral movement. Elevation on piers consisting of dry, stacked blocks is prohibited.
- E. Within Zone AO, the floor shall be elevated above the highest adjacent grade at least as high as the depth number specified on the Flood Insurance Rate Map enumerated in § 117-6 (at least two feet if no depth number is specified). Elevation on piers consisting of dry, stacked blocks is prohibited.

ARTICLE VI Critical Facilities [Amended 8-19-2008 by L.L. No. 2-2008]

§ 117-19. New projects.

In order to prevent flood damage to certain facilities that would result in serious danger to life and heath, or widespread social or economic dislocation, no new critical facility shall be located within any area of special flood hazard, or within any five-hundred-year flood zone shown as a B Zone or Shaded X Zone on the Community's Flood Insurance Rate Maps.

ARTICLE VII Variance Procedure

§ 117-20. Appeals board.

- A. The Board of Zoning Appeals as established by the Town of Greece shall hear and decide appeals and requests for variances from the requirements of this chapter.
- B. The Board of Zoning Appeals shall hear and decide appeals when it is alleged that there is an error in any requirement, decision or determination made by the local administrator in the enforcement or administration of this chapter.
- C. Those aggrieved by the decision of the Board of Zoning Appeals may appeal such decision to the Supreme Court pursuant to Article 78 of the Civil Practice Law and Rules.
- D. In passing upon such applications, the Board of Zoning Appeals shall consider all technical evaluations, all relevant factors, standards specified in other sections of this chapter and:
 - (1) The danger that materials may be swept onto other lands to the injury of others;
 - The danger to life and property due to flooding or erosion damage;

117:19 05 - 15 - 2009

- (3) The susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner;
- (4) The importance of the services provided by the proposed facility to the community;
- (5) The necessity to the facility of a waterfront location, where applicable;
- (6) The availability of alternative locations for the proposed use which are not subject to flooding or erosion damage;
- (7) The compatibility of the proposed use with existing and anticipated development;
- (8) The relationship of the proposed use to the Comprehensive Plan and floodplain management program of that area;
- (9) The safety of access to the property in times of flood for ordinary and emergency vehicles;
- (10) The costs to local governments and the dangers associated with conducting search and rescue operations during periods of flooding;
- (11) The expected heights, velocity, duration, rate of rise and sediment transport of the floodwaters and the effects of wave action, if applicable, expected at the site; and
- (12) The costs of providing governmental services during and after flood conditions, including search and rescue operations, maintenance and repair of public utilities and facilities such as sewer, gas, electrical and water systems and streets and bridges.
- E. Upon consideration of the factors of Subsection D and the purposes of this chapter, the Board of Zoning Appeals may attach such conditions to the granting of variances as it deems necessary to further the purposes of this chapter.
- F. The local administrator shall maintain the records of all appeal actions, including technical information, and report any variances to the Federal Emergency Management Agency upon request.

§ 117-21. Conditions for variances.

- A. Generally, variances may be issued for new construction and substantial improvements to be erected on a lot of 1/2 acre or less in size contiguous to and surrounded by lots with existing structures constructed below the base flood level, provided that the items in § 117-20D(1) through (12) have been fully considered. As the lot size increases beyond 1/2 acre, the technical justification required for issuing the variance increases.
- B. Variances may be issued for the repair or rehabilitation of historic structures upon determination that:
 - The proposed repair or rehabilitation will not preclude the structure's continued designation as an historic structure.

117:20 05 - 15 - 2009

- (2) The variance is the minimum necessary to preserve the historic character and design of the structure.
- C. Variances may be issued by a community for new construction and substantial improvements and for other development necessary for the conduct of a functionally dependent use, provided that:
 - (1) The criteria of Subsections A, D, E and F of this section are met.
 - (2) The structure or other development is protected by methods that minimize flood damages during the base flood and create no additional threat to public safety.
- D. Variances shall not be issued within any designated floodway if any increase in flood levels during the base flood discharge would result.
- E. Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.
- F. Variances shall only be issued upon receiving written justification of:
 - (1) A showing of good and sufficient cause;
 - (2) A determination that failure to grant the variance would result in exceptional hardship to the applicant; and
 - (3) A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety or extraordinary public expense; create nuisances; cause fraud on or victimization of the public; or conflict with existing local laws or ordinances.
- G. Any applicant to whom a variance is granted for a building with the lowest floor below the base flood elevation shall be given written notice over the signature of a community official that the issuance of a variance to construct a structure below the base flood level will result in increased premium rates for flood insurance up to amounts as high as \$25 for \$100 of insurance coverage and such construction below the base flood level increases risk to life and to property. Such notification shall be maintained with a record of all variance actions and provided to the Federal Emergency Management Agency and to the New York State Department of Environmental Conservation upon request.

117:21 05 - 15 - 2009

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION LOCAL LAW FOR FLOOD DAMAGE PREVENTION INSTRUCTIONS

The attached MODEL LOCAL LAW is designed to comply with the floodplain management requirements of the National Flood Insurance Program contained in 44 CFR 60.3(b,c,&d). The Department of Environmental Conservation (DEC) has included several optional administrative provisions in the MODEL LOCAL LAW which are strongly recommended for proper administration. Any changes made to this MODEL should be reviewed by the community's attorney and either the DEC or the Federal Emergency Management Agency (FEMA) before enacting. DEC and FEMA must be provided a list of any changes to this model at the time of filing.

Department of State Filing Forms - insert all required information. Blank Local Law Filing Forms, including instructions and an online interactive version, can be found at http://www.dos.state.ny.us/lgss/publications.htm.

The following sections must be completed by the community:

Page 1, Sect. 1.1 - Insert legislative body and the name of the community twice.

Page 7 – If you are enacting this Local Law to comply with FEMA requirements associated with new community or county Flood Insurance Rate Maps, the Department of Environmental Conservation will include in this package a replacement Page 7 with the mapping information filled out. Simply insert the name of the community in Section 3.1 and insert the location where the Flood Insurance Study and/or maps are on file. Otherwise, follow the instructions for Page 7, below.

Page 7, Sect. 3.1 - Insert the name of the community.

Page 7, Sect. 3.2 - Complete (1) through (5) as necessary, according to the documents your community has been furnished by the Federal Emergency Management Agency (FEMA). Cross out or delete any unused subsections. Documents you may have received are:

- (a) Flood Insurance Study report--a brown or buff colored booklet, which contains technical data on flooding in the community;
- (b) Flood Insurance Rate Map (FIRM)--a map in either an 11"x17" flat or a Z-fold (road map style) format. If the map consists of more than one panel, an index panel is usually included. The FIRM shows locations of areas of special flood hazard in the community; and,
- (c) Flood Boundary and Floodway Map (FBFM)--a Z-folded sheet that shows the location of floodways in the community.

If your community received only a single FIRM map, fill in (1). The community number, a six digit number whose first two digits are 36, is required and is found in the lower right corner of the FIRM. The community number may also have a letter suffix, which should also be included. Also include the "effective date" shown on the map.

If you received a FIRM map with more than one panel, fill in (2). Be sure to show the community number and the panel numbers (e.g., 361540 0001-0025) and the letter suffix, if one is shown. Also include the "effective date" shown on the index panel.

If you received a Flood Insurance Study report, fill in (3) with the community name, name of your county(s) as shown on the report and date.

If you received a single FBFM, fill in (4).

If your community received a FBFM with multiple panels, fill in (5) with data from the index sheet.

If you are unsure what documents were sent to you, contact the DEC Regional Coordinator for your county or the DEC Central Office (listed on page iv).

Page 7, Sect. 3.2 – Insert the local location where the Flood Insurance Study and maps are on file. (e.g. Town/Village Offices, Clerk's office)

Sect. 3.5 – Insert the name of the community.

Sect. 3.6 - Insert the name of the community.

Sect. 4.1 - Insert the **title or office** of the individual or group responsible for administering the local law, such as the Building Inspector, Code Enforcement Officer or Planning Board. May not be the same as Sect. 6.1(1).

Sect. 4.2-2 - Insert fee amount (if so desired) and community name.

Sect. 5.1-2 - Insert the name of the community in the seven blanks.

Sect. 6.1(1) - Insert the name of the appeals board (in many instances the Zoning Board of Appeals serves this role) and the name of the community. It may be necessary to create a 3-5 person board to fulfill these duties. In accordance with Town/Village/City Law, the appeals board may neither be the Town/Village/City Board, nor have any common members, nor be the same body as named in Sect. 4.1.

Sect. 6.1(2) - Insert the name of the appeals board.

Sect. 6.1(3) - Same as 6.1(2).

Sect. 6.1(4) - Same as 6.1(2).

Sect. 6.1(5) - Same as 6.1(2).

Page Following Section 6.0: Insert date of enactment, the names of the governing body, community and county, and the date on which the law becomes effective.

Attachment "A" (4 pages) to this document provides a recommended "Floodplain Development Permit Application" form. This form or its equivalent must be used in conjunction with Section 4.2 of this model local law.

Attachment "B" (1 page) to this document provides a recommended "Certificate of Compliance for Development in a Special Flood Hazard Area." This form or its equivalent should be used in conjunction with Section 4.4-7 of this model local law.

Please contact one of the DEC Central Office Program Coordinators listed on page iv should you have any questions about filling in the blanks or if you find any errors or omissions to these instructions, content, or attachments.

Optional Language is provided should your community wish to enact additional requirements to increase the level of safety. Note that many of these options result in points that can result in discounts on

flood insurance premiums within communities that participate in FEMA's Community Rating System. Contact DEC for information about the Community Rating System.

NOTE: This document must be adopted in a manner that is legally enforceable.

File the indicated number of certified copies with each of the five offices listed below. Follow all instructions and use the official filing form.

1. FEDERAL AGENCY (1 copy)

Federal Emergency Management Agency Mitigation Division 26 Federal Plaza, Room 1337 New York, New York 10278-0002

2. COUNTY PLANNING (1 copy)

The planning department for your county.

3. <u>SECRETARY OF STATE</u> (1 copy)

State Records and Law Bureau Department of State One Commerce Plaza Albany, New York 12231

4. <u>DEC CENTRAL OFFICE</u> (1 copy)*

NYS Department of Environmental Conservation Floodplain Management Section Attn: William Nechamen 625 Broadway, 4th Floor Albany, NY 12233-3504 (518) 402-8185

5. <u>DEC REGIONAL OFFICE</u> (1 copy)*

Regional Office address is determined by the county in which the community is located. See page iv for address of Regional Office covering your county.

*Please submit one copy of the "Local Law Acknowledgement" to the DEC Central Office and to the DEC Regional Office upon receipt from the Department of State. However, to expedite approval of your Local Law, please send a copy of the Local Law to the DEC Central Office immediately upon passage, prior to receipt of the "Local Law Acknowledgement." If your community is applying for participation in the NFIP, also include the Enabling Resolution and the NFIP Application.

New York State Department of Environmental Conservation

Bureau of Flood Protection and Dam Safety 625 Broadway, 4th Floor, Albany, NY 12233-3504 (518)402-8185

Floodplain Management Coordinators

Central Office Floodplain Management Coordinators: Main Number, 518-402-8185

Bill Nechamen:518-402-8146Chief, Floodplain Managementwilliam.nechamen@dec.ny.govKelli Higgins-Roche:518-408-0340Environmental Engineer 1kelli.higgins-roche@dec.ny.govDavid Sherman:518-402-8215Environmental Program Spec. 1david.sherman@dec.ny.govElizabeth Ketcham:518-402-8288Environmental Program Spec. 1elizabeth.ketcham@dec.ny.gov

Western NY Flood Hub, Assisting with Regions 6-9

Tim Walsh: 585-226-5437Environmental Engineer 3tim.walsh@dec.ny.govMary Binder: 585-226-5447Environ. Program Spec. 1mary.binder@dec.ny.gov

Regional Floodplain Management Coordinators

nagement Coordi-
44-0423 31) 444-0409 <u>r.gov</u> ec.ny.gov
Odec.ny.gov
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dec.ny.gov
dec.ny.gov
⁰ dec.ny.gov
ny.gov
dec.ny.gov
plowe@dec.ny.gov c.ny.gov
dec.ny.gov
dec.ny.gov
c.ny.gov
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A local law for Flood Damage Prevention as authorized by the New York State Constitution, Article IX, Section 2, and Environmental Conservation Law, Article 36

SECTION 1.0 STATUTORY AUTHORIZATION AND PURPOSE

1.1 FINDINGS

1.2

FINI	JING8		
The _	of the	of	finds that the
			finds that the y be a problem to the residents of
the	of	and that such d	amages may include: destruction or both publicly and privately owned,
loss o	of private and public housing, dar	nage to public facilities,	both publicly and privately owned,
and i	njury to and loss of human life. I	n order to minimize the	threat of such damages and to
achie	ve the purposes and objectives he	ereinafter set forth, this lo	ocal law is adopted.
STA	TEMENT OF PURPOSE		
			safety, and general welfare, and to pecific areas by provisions designed
(1)	regulate uses which are dangero ards, or which result in damagin		property due to water or erosion hazin flood heights or velocities;
(2)	require that uses vulnerable to fl tected against flood damage at tl	,	, I

- (3) control the alteration of natural floodplains, stream channels, and natural protective barriers
- which are involved in the accommodation of flood waters;
- (4) control filling, grading, dredging and other development which may increase erosion or flood damages;
- (5) regulate the construction of flood barriers which will unnaturally divert flood waters or which may increase flood hazards to other lands, and;
- (6) qualify and maintain for participation in the National Flood Insurance Program.

1.3 OBJECTIVES

The objectives of this local law are:

- (1) to protect human life and health;
- (2) to minimize expenditure of public money for costly flood control projects;

- (3) to minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- (4) to minimize prolonged business interruptions;
- (5) to minimize damage to public facilities and utilities such as water and gas mains, electric, telephone, sewer lines, streets and bridges located in areas of special flood hazard;
- (6) to help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas;
- (7) to provide that developers are notified that property is in an area of special flood hazard; and,
- (8) to ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.

SECTION 2.0 DEFINITIONS

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

- "Accessory Structure" is a structure used solely for parking (two-car detached garages or smaller) or limited storage, represent a minimal investment of not more than 10 percent of the value of the primary structure, and may not be used for human habitation.
- "Appeal" means a request for a review of the Local Administrator's interpretation of any provision of this Local Law or a request for a variance.
- "Area of shallow flooding" means a designated AO, AH or VO Zone on a community's Flood Insurance Rate Map (FIRM) with a one percent or greater annual chance of flooding to an average annual depth of one to three feet where a clearly defined channel does not exist, where the path of flooding is unpredictable and where velocity flow may be evident. Such flooding is characterized by ponding or sheet flow.
- "Area of special flood hazard" is the land in the floodplain within a community subject to a one percent or greater chance of flooding in any given year. This area may be designated as Zone A, AE, AH, AO, A1-A30, A99, V, VO, VE, or V1-V30. It is also commonly referred to as the base floodplain or l00-year floodplain. For purposes of this Local Law, the term "special flood hazard area (SFHA)" is synonymous in meaning with the phrase "area of special flood hazard."
- "Base flood" means the flood having a one percent chance of being equaled or exceeded in any given year.
- "Basement" means that portion of a building having its floor subgrade (below ground level) on all sides.

"Building" see "Structure"

"Cellar" has the same meaning as "Basement".

"Crawl Space" means an enclosed area beneath the lowest elevated floor, eighteen inches or more in height, which is used to service the underside of the lowest elevated floor. The elevation of the floor of this enclosed area, which may be of soil, gravel, concrete or other material, must be equal to or above the lowest adjacent exterior grade. The enclosed crawl space area shall be properly vented to allow for the equalization of hydrostatic forces which would be experienced during periods of flooding.

"Development" means any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, paving, excavation or drilling operations or storage of equipment or materials.

"Elevated building" means a non-basement building (i) built, in the case of a building in Zones A1-A30, AE, A, A99, AO, AH, B, C, X, or D, to have the top of the elevated floor, or in the case of a building in Zones V1-30, VE, or V, to have the bottom of the lowest horizontal structure member of the elevated floor, elevated above the ground level by means of pilings, columns (posts and piers), or shear walls parallel to the flow of the water and (ii) adequately anchored so as not to impair the structural integrity of the building during a flood of up to the magnitude of the base flood. In the case of Zones A1-A30, AE, A, A99, AO, AH, B, C, X, or D, "elevated building" also includes a building elevated by means of fill or solid foundation perimeter walls with openings sufficient to facilitate the unimpeded movement of flood waters. In the case of Zones V1-V30, VE, or V, "elevated building" also includes a building otherwise meeting the definition of "elevated building", even though the lower area is enclosed by means of breakaway walls that meet the federal standards.

"Federal Emergency Management Agency" means the Federal agency that administers the National Flood Insurance Program.

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

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

"Flood" or "flooding" also means the collapse or subsidence of land along the shore of a lake or other body of water as a result of erosion or undermining caused by waves or currents of water exceeding anticipated cyclical levels or suddenly caused by an unusually high water level in a natural body of water, accompanied by a severe storm, or by an unanticipated force of nature, such as a flash flood or an abnormal tidal surge, or by some similarly unusual and unforeseeable event which results in flooding as defined in (1) above.

"Flood Boundary and Floodway Map (FBFM)" means an official map of the community published by the Federal Emergency Management Agency as part of a riverine community's Flood Insurance Study. The FBFM delineates a Regulatory Floodway along water courses studied in detail in the Flood Insurance Study.

- "Flood Elevation Study" means an examination, evaluation and determination of the flood hazards and, if appropriate, corresponding water surface elevations, or an examination, evaluation and determination of flood-related erosion hazards.
- "Flood Hazard Boundary Map (FHBM)" means an official map of a community, issued by the Federal Emergency Management Agency, where the boundaries of the areas of special flood hazard have been designated as Zone A but no flood elevations are provided.
- "Flood Insurance Rate Map (FIRM)" means an official map of a community, on which the Federal Emergency Management Agency has delineated both the areas of special flood hazard and the risk premium zones applicable to the community.
- "Flood Insurance Study" see "flood elevation study".
- "Floodplain" or "Flood-prone area" means any land area susceptible to being inundated by water from any source (see definition of "Flooding").
- "Floodproofing" means any combination of structural and non-structural additions, changes, or adjustments to structures which reduce or eliminate flood damage to real estate or improved real property, water and sanitary facilities, structures and their contents.
- "Floodway" has the same meaning as "Regulatory Floodway".
- "Functionally dependent use" means a use which cannot perform its intended purpose unless it is located or carried out in close proximity to water, such as a docking or port facility necessary for the loading and unloading of cargo or passengers, shipbuilding, and ship repair facilities. The term does not include long-term storage, manufacturing, sales, or service facilities.
- "Highest adjacent grade" means the highest natural elevation of the ground surface, prior to construction, next to the proposed walls of a structure.

"Historic structure" means any structure that is:

- (1) listed individually in the National Register of Historic Places (a listing maintained by the Department of the Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register;
- (2) 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;
- (3) individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the Secretary of the Interor; or
- (4) individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:

- (i) by an approved state program as determined by the Secretary of the Interior or
- (ii) directly by the Secretary of the Interior in states without approved programs.

"Local Administrator" is the person appointed by the community to administer and implement this local law by granting or denying development permits in accordance with its provisions. This person is often the Building Inspector, Code Enforcement Officer, or employee of an engineering department.

"Lowest floor" means lowest floor of the lowest enclosed area (including basement or cellar). An unfinished or flood resistant enclosure, usable solely for parking of vehicles, building access, or storage in an area other than a basement area is not considered a building's lowest floor; provided, that such enclosure is not built so as to render the structure in violation of the applicable non-elevation design requirements of this Local Law.

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

"Manufactured home park or subdivision" means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.

"Mean sea level" means, for purposes of the National Flood Insurance Program, the National Geodetic Vertical Datum (NGVD) of 1929, the North American Vertical Datum of 1988 (NAVD 88), or other datum, to which base flood elevations shown on a community's Flood Insurance Rate Map are referenced.

"Mobile home" - has the same meaning as "Manufactured home".

"New construction" means structures for which the "start of construction" commenced on or after the effective date of a floodplain management regulation adopted by the community and includes any subsequent improvements to such structure.

"One hundred year flood" or "100-year flood" has the same meaning as "Base Flood".

"Principally above ground" means that at least 51 percent of the actual cash value of the structure, excluding land value, is above ground.

"Recreational vehicle" means a vehicle which is:

- (1) built on a single chassis;
- (2) 400 square feet or less when measured at the largest horizontal projections;
- (3) designed to be self-propelled or permanently towable by a light duty truck; and
- (4) not designed primarily for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.

"Regulatory Floodway" means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than a designated height as determined by the Federal Emergency Management Agency in a Flood Insurance Study or by other agencies as provided in Section 4.4-2 of this Law.

"Start of construction" means the date of permit issuance for new construction and substantial improvements to existing structures, provided that actual start of construction, repair, reconstruction, rehabilitation, addition placement, or other improvement is within 180 days after the date of issuance. The actual start of construction means the first placement of permanent construction of a building (including a manufactured home) on a site, such as the pouring of a slab or footings, installation of pilings or construction of columns.

Permanent construction does not include land preparation (such as clearing, excavation, grading, or filling), or the installation of streets or walkways, or excavation for a basement, footings, piers or foundations, or the erection of temporary forms, or the installation of accessory buildings such as garages or sheds not occupied as dwelling units or not part of the main building. For a substantial improvement, the actual "start of construction" means the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not that alteration affects the external dimensions of the building.

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

"Substantial damage" means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.

"Substantial improvement" means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure before the "start of construction" of the improvement. The term includes structures which have incurred "substantial damage", regardless of the actual repair work performed. The term does not, however, include either:

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

"Variance" means a grant of relief from the requirements of this local law which permits construction or use in a manner that would otherwise be prohibited by this local law.

"Violation" means the failure of a structure or other development to be fully compliant with the community's flood plain management regulations.

SECTION 3.0 GENERAL PROVISIONS

3.1 LANDS TO WHICH THIS LOCAL LAW APPLIES

3.2

	of
BAS	SIS FOR ESTABLISHING THE AREAS OF SPECIAL FLOOD HAZARD
by th	areas of special flood hazard are identified and defined on the following documents prepared ne Federal Emergency Management Agency (COMPLETE ONE THROUGH FIVE AS CESSARY, RENUMBER SEQUENTIALLY AND CROSS OUT OR DELETE UNUSED SECTIONS):
(1)	Flood Insurance Rate Map (single panel) No, whose effective date is
(2)	Flood Insurance Rate Map (multiple panels) Index No, whose effective date is
(3)	A scientific and engineering report entitled "Flood Insurance Study, of, New York, County" dated
(4)	Flood Boundary and Floodway Map (single panel) No, whose effective date is
(5)	Flood Boundary and Floodway Map (multiple panels) Index No, whose effective date is
	above documents are hereby adopted and declared to be a part of this Local Law. The Flood rance Study and/or maps are on file at:

3.3 INTERPRETATION AND CONFLICT WITH OTHER LAWS

This Local Law includes all revisions to the National Flood Insurance Program through October 27, 1997 and shall supersede all previous laws adopted for the purpose of flood damage prevention.

In their interpretation and application, the provisions of this local law shall be held to be minimum requirements, adopted for the promotion of the public health, safety, and welfare. Whenever the requirements of this local law are at variance with the requirements of any other lawfully adopted rules, regulations, or ordinances, the most restrictive, or that imposing the higher standards, shall govern.

3.4 SEVERABILITY

The invalidity of any section or provision of this local law shall not invalidate any other section or provision thereof.

3.5 PENALTIES FOR NON-COMPLIANCE

No structure in an area of special flood hazard shall hereafter be constructed, located, extended, converted, or altered and no land shall be excavated or filled without full compliance with the terms of this local law and any other applicable regulations. Any infraction of the provisions of this local law by failure to comply with any of its requirements, including infractions of conditions and safeguards established in connection with conditions of the permit, shall constitute a violation. Any person who violates this local law or fails to comply with any of its requirements shall, upon conviction thereof, be fined no more than \$250 or imprisoned for not more than 15 days or both. Each day of noncompliance shall be considered a separate offense. Nothing herein contained shall prevent the ______ of ____ from taking such other lawful action as necessary to prevent or remedy an infraction. Any structure found not compliant with the requirements of this local law for which the developer and/or owner has not applied for and received an approved variance under Section 6.0 will be declared non-compliant and notification sent to the Federal Emergency Management Agency.

3.6 WARNING AND DISCLAIMER OF LIABILITY

SECTION 4.0 ADMINISTRATION

4.1 DESIGNATION OF THE LOCAL ADMINISTRATOR

The	is hereby appointed	Local Administrator to	administer and
implement this local law by granting or	r denying floodplain	development permits in	accordance
with its provisions.			

4.2 THE FLOODPLAIN DEVELOPMENT PERMIT

4.2-1 PURPOSE

A floodplain development permit is hereby established for all construction and other development to be undertaken in areas of special flood hazard in this community for the purpose of protecting its citizens from increased flood hazards and insuring that new development is constructed in a manner that minimizes its exposure to flooding. It shall be unlawful to undertake any development in an area of special flood hazard, as shown on the Flood Insurance Rate Map enumerated in Section 3.2, without a valid floodplain development permit. Application for a permit shall be made on forms furnished by the Local Administrator and may include, but not be limited to: plans, in duplicate, drawn to scale and showing: the nature, location, dimensions, and elevations of the area in question; existing or proposed structures, fill, storage of materials, drainage facilities, and the location of the foregoing.

4.2-2 FEES

All applications for a	floodplain development permit shall be accompanied by an application
fee of \$	In addition, the applicant shall be responsible for reimbursing the
of	for any additional costs necessary for review, in-
spection and approval	of this project. The Local Administrator may require a deposit of no
more than \$500.00 to	cover these additional costs.

4.3 APPLICATION FOR A PERMIT

The applicant shall provide the following information as appropriate. Additional information may be required on the permit application form.

- (1) The proposed elevation, in relation to mean sea level, of the lowest floor (including basement or cellar) of any new or substantially improved structure to be located in Zones A1-A30, AE or AH, or Zone A if base flood elevation data are available. Upon completion of the lowest floor, the permitee shall submit to the Local Administrator the as-built elevation, certified by a licensed professional engineer or surveyor.
- (2) The proposed elevation, in relation to mean sea level, to which any new or substantially improved non-residential structure will be floodproofed. Upon completion of the floodproofed portion of the structure, the permitee shall submit to the Local Administrator the as-built floodproofed elevation, certified by a professional engineer or surveyor.
- (3) A certificate from a licensed professional engineer or architect that any utility floodproofing will meet the criteria in Section 5.2-3, UTILITIES.
- (4) A certificate from a licensed professional engineer or architect that any non-residential floodproofed structure will meet the floodproofing criteria in Section 5.4, NON-RESIDENTIAL STRUCTURES.
- (5) A description of the extent to which any watercourse will be altered or relocated as a result of proposed development. Computations by a licensed professional engineer must be submitted that demonstrate that the altered or relocated segment will provide equal or greater conveyance than the original stream segment. The applicant must submit any maps, computations or other material required by the Federal Emergency Management Agency (FEMA)

to revise the documents enumerated in Section 3.2, when notified by the Local Administrator, and must pay any fees or other costs assessed by FEMA for this purpose. The applicant must also provide assurances that the conveyance capacity of the altered or relocated stream segment will be maintained.

- (6) A technical analysis, by a licensed professional engineer, if required by the Local Administrator, which shows whether proposed development to be located in an area of special flood hazard may result in physical damage to any other property.
- (7) In Zone A, when no base flood elevation data are available from other sources, base flood elevation data shall be provided by the permit applicant for subdivision proposals and other proposed developments (including proposals for manufactured home and recreational vehicle parks and subdivisions) that are greater than either 50 lots or 5 acres.

4.4 DUTIES AND RESPONSIBILITIES OF THE LOCAL ADMINISTRATOR

Duties of the Local Administrator shall include, but not be limited to the following.

4.4-1 PERMIT APPLICATION REVIEW

The Local Administrator shall conduct the following permit application review before issuing a floodplain development permit:

- (1) Review all applications for completeness, particularly with the requirements of subsection 4.3, APPLICATION FOR A PERMIT, and for compliance with the provisions and standards of this law.
- (2) Review subdivision and other proposed new development, including manufactured home parks to determine whether proposed building sites will be reasonably safe from flooding. If a proposed building site is located in an area of special flood hazard, all new construction and substantial improvements shall meet the applicable standards of Section 5.0, CONSTRUCTION STANDARDS and, in particular, sub-section 5.1-1 SUBDIVISION PROPOSALS.
- (3) Determine whether any proposed development in an area of special flood hazard may result in physical damage to any other property (e.g., stream bank erosion and increased flood velocities). The Local Administrator may require the applicant to submit additional technical analyses and data necessary to complete the determination.
 - If the proposed development may result in physical damage to any other property or fails to meet the requirements of Section 5.0, CONSTRUCTION STANDARDS, no permit shall be issued. The applicant may revise the application to include measures that mitigate or eliminate the adverse effects and re-submit the application.
- (4) Determine that all necessary permits have been received from those governmental agencies from which approval is required by State or Federal law.

4.4-2 USE OF OTHER FLOOD DATA

- (1) When the Federal Emergency Management Agency has designated areas of special flood hazard on the community's Flood Insurance Rate map (FIRM) but has neither produced water surface elevation data (these areas are designated Zone A or V on the FIRM) nor identified a floodway, the Local Administrator shall obtain, review and reasonably utilize any base flood elevation and floodway data available from a Federal, State or other source, including data developed pursuant to paragraph 4.3(7), as criteria for requiring that new construction, substantial improvements or other proposed development meet the requirements of this law.
- (2) When base flood elevation data are not available, the Local Administrator may use flood information from any other authoritative source, such as historical data, to establish flood elevations within the areas of special flood hazard, for the purposes of this law.
- (3) When an area of special flood hazard, base flood elevation, and/or floodway data are available from a Federal, State or other authoritative source, but differ from the data in the documents enumerated in Section 3.2, the Local Administrator may reasonably utilize the other flood information to enforce more restrictive development standards.

4.4-3 ALTERATION OF WATERCOURSES

- (l) Notification to adjacent municipalities that may be affected and the New York State Department of Environmental Conservation prior to permitting any alteration or relocation of a watercourse, and submit evidence of such notification to the Regional Administrator, Region II, Federal Emergency Management Agency.
- (2) Determine that the permit holder has provided for maintenance within the altered or relocated portion of said watercourse so that the flood carrying capacity is not diminished.

4.4-4 CONSTRUCTION STAGE

- (1) In Zones A1-A30, AE and AH, and also Zone A if base flood elevation data are available, upon placement of the lowest floor or completion of floodproofing of a new or substantially improved structure, obtain from the permit holder a certification of the as-built elevation of the lowest floor or floodproofed elevation, in relation to mean sea level. The certificate shall be prepared by or under the direct supervision of a licensed land surveyor or professional engineer and certified by same. For manufactured homes, the permit holder shall submit the certificate of elevation upon placement of the structure on the site. A certificate of elevation must also be submitted for a recreational vehicle if it remains on a site for 180 consecutive days or longer (unless it is fully licensed and ready for highway use).
- (2) Any further work undertaken prior to submission and approval of the certification shall be at the permit holder's risk. The Local Administrator shall review all data submitted. Deficiencies detected shall be cause to issue a stop work order for the project unless immediately corrected.

4.4-5 INSPECTIONS

The Local Administrator and/or the developer's engineer or architect shall make periodic inspections at appropriate times throughout the period of construction in order to monitor compliance with permit conditions and enable said inspector to certify, if requested, that the development is in compliance with the requirements of the floodplain development permit and/or any variance provisions.

4.4-6 STOP WORK ORDERS

- (1) The Local Administrator shall issue, or cause to be issued, a stop work order for any floodplain development found ongoing without a development permit. Disregard of a stop work order shall subject the violator to the penalties described in Section 3.5 of this local law.
- (2) The Local Administrator shall issue, or cause to be issued, a stop work order for any flood-plain development found non-compliant with the provisions of this law and/or the conditions of the development permit. Disregard of a stop work order shall subject the violator to the penalties described in Section 3.5 of this local law.

4.4-7 CERTIFICATE OF COMPLIANCE

- (1) In areas of special flood hazard, as determined by documents enumerated in Section 3.2, it shall be unlawful to occupy or to permit the use or occupancy of any building or premises, or both, or part thereof hereafter created, erected, changed, converted or wholly or partly altered or enlarged in its use or structure until a certificate of compliance has been issued by the Local Administrator stating that the building or land conforms to the requirements of this local law.
- (2) A certificate of compliance shall be issued by the Local Administrator upon satisfactory completion of all development in areas of special flood hazard.
- (3) Issuance of the certificate shall be based upon the inspections conducted as prescribed in Section 4.4-5, INSPECTIONS, and/or any certified elevations, hydraulic data, floodproofing, anchoring requirements or encroachment analyses which may have been required as a condition of the approved permit.

4.4-8 INFORMATION TO BE RETAINED

The Local Administrator shall retain and make available for inspection, copies of the following:

- (1) Floodplain development permits and certificates of compliance;
- (2) Certifications of as-built lowest floor elevations of structures, required pursuant to sub-sections 4.4-4(1) and 4.4-4(2), and whether or not the structures contain a basement;

- (3) Floodproofing certificates required pursuant to sub-section 4.4-4(1), and whether or not the structures contain a basement;
- (4) Variances issued pursuant to Section 6.0, VARIANCE PROCEDURES; and,
- (5) Notices required under sub-section 4.4-3, ALTERATION OF WATERCOURSES.

SECTION 5.0 CONSTRUCTION STANDARDS

5.1 GENERAL STANDARDS

The following standards apply to new development, including new and substantially improved structures, in the areas of special flood hazard shown on the Flood Insurance Rate Map designated in Section 3.2.

5.1-1 SUBDIVISION PROPOSALS

The following standards apply to all new subdivision proposals and other proposed development in areas of special flood hazard (including proposals for manufactured home and recreational vehicle parks and subdivisions):

- (l) Proposals shall be consistent with the need to minimize flood damage;
- (2) Public utilities and facilities such as sewer, gas, electrical and water systems shall be located and constructed so as to minimize flood damage; and,
- (3) Adequate drainage shall be provided to reduce exposure to flood damage.

5.1-2 ENCROACHMENTS

(1)	Within Zones A1-A30 and AE, on streams without a regulatory floodway, no new
(-)	construction, substantial improvements or other development (including fill) shall be
	permitted unless:

the proposed devel- nted development, od more than one foot
pply to the Federal
FIRM revision,
necessary data, anal-
for
pplicant must also
of
revision.

	tion, substantial improvements or other deve shall be permitted unless:	elopment in the floodway (including fill)
		lyses performed in accordance with stand- encroachment shall not result in <u>any</u> in-
	Emergency Management Agency (FE revision, FEMA approval is received data, analyses and mapping and reimb for all fees and other costs in relation provide all data, analyses and mapping	to the application. The applicant must also
(3)	In Zones A1-A30, AE and AH, and also Zonavailable, if any development is found to inthe of sthan six months after the date such information the New York State Department of Environauthors.	crease or decrease base flood elevations, hall as soon as practicable, but not later ion becomes available, notify FEMA and mental Conservation of the changes by

On streams with a regulatory floodway, as shown on the Flood Boundary and Floodway Map or the Flood Insurance Rate Map adopted in Section 3.2, no new construc-

5.2 STANDARDS FOR ALL STRUCTURES

The following standards apply to new development, including new and substantially improved structures, in the areas of special flood hazard shown on the Flood Insurance Rate Map designated in Section 3.2.

5.2-1 ANCHORING

(2)

New structures and substantial improvement to structures in areas of special flood hazard shall be anchored to prevent flotation, collapse, or lateral movement during the base flood. This requirement is in addition to applicable State and local anchoring requirements for resisting wind forces.

5.2-2 CONSTRUCTION MATERIALS AND METHODS

- (l) New construction and substantial improvements to structures shall be constructed with materials and utility equipment resistant to flood damage.
- (2) New construction and substantial improvements to structures shall be constructed using methods and practices that minimize flood damage.

- (3) For enclosed areas below the lowest floor of a structure within Zones A1-A30, AE, AO or A, new and substantially improved structures shall have fully enclosed areas below the lowest floor that are useable solely for parking of vehicles, building access or storage in an area other than a basement and which are subject to flooding, designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of flood waters. Designs for meeting this requirement must either be certified by a licensed professional engineer or architect or meet or exceed the following minimum criteria:
 - (i) a minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding; and
 - (ii) the bottom of all such openings no higher than one foot above the lowest adjacent finished grade.

Openings may be equipped with louvers, valves, screens or other coverings or devices provided they permit the automatic entry and exit of floodwaters. Enclosed areas subgrade on all sides are considered basements and are not permitted.

5.2-3 UTILITIES

- (1) New and replacement electrical equipment, heating, ventilating, air conditioning, plumbing connections, and other service equipment shall be located at least two feet above the base flood elevation, or at least three feet above the highest adjacent grade in a Zone A without an available base flood elevation, or be designed to prevent water from entering and accumulating within the components during a flood and to resist hydrostatic and hydrodynamic loads and stresses. Electrical wiring and outlets, switches, junction boxes and panels shall be elevated or designed to prevent water from entering and accumulating within the components unless they conform to the appropriate provisions of the electrical part of the Building Code of New York State or the Residential Code of New York State for location of such items in wet locations;
- (2) New and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system;
- (3) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters. Sanitary sewer and storm drainage systems for buildings that have openings below the base flood elevation shall be provided with automatic backflow valves or other automatic backflow devices that are installed in each discharge line passing through a building's exterior wall; and,

(4) On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

5.3 RESIDENTIAL STRUCTURES

5.3-1 ELEVATION

The following standards apply to new and substantially improved residential structures located in areas of special flood hazard, in addition to the requirements in sub-sections 5.1-1, SUBDIVISION PROPOSALS, and 5.1-2, ENCROACHMENTS, and Section 5.2, STANDARDS FOR ALL STRUCTURES.

- (1) Within Zones A1-A30, AE and AH and also Zone A if base flood elevation data are available, new construction and substantial improvements shall have the lowest floor (including basement) elevated to or above two feet above the base flood elevation.
- (2) Within Zone A, when no base flood elevation data are available, new construction and substantial improvements shall have the lowest floor (including basement) elevated at least three feet above the highest adjacent grade.
- (3) Within Zone AO, new construction and substantial improvements shall have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's Flood Insurance Rate Map enumerated in Section 3.2 (at least two feet if no depth number is specified).
- (4) Within Zones AH and AO, adequate drainage paths are required to guide flood waters around and away from proposed structures on slopes.

5.4 NON-RESIDENTIAL STRUCTURES

The following standards apply to new and substantially improved commercial, industrial and other non-residential structures located in areas of special flood hazard, in addition to the requirements in sub-sections 5.1-1, SUBDIVISION PROPOSALS, and 5.1-2, ENCROACHMENTS, and Section 5.2, STANDARDS FOR ALL STRUCTURES.

- (1) Within Zones A1-A30, AE and AH, and also Zone A if base flood elevation data are available, new construction and substantial improvements of any non-residential structure shall either:
 - (i) have the lowest floor, including basement or cellar, elevated to or above two feet above the base flood elevation; or
 - (ii) be floodproofed so that the structure is watertight below two feet above the base flood elevation, including attendant utility and sanitary facilities, with walls substantially impermeable to the passage of water. All structural components located below the base flood level must be capable of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy.

- (2) Within Zone AO, new construction and substantial improvements of non-residential structures shall:
 - (i) have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two feet if no depth number is specified), or
 - (ii) together with attendant utility and sanitary facilities, be completely floodproofed to that level to meet the floodproofing standard specified in sub-section 5.4(1)(ii)
- (3) If the structure is to be floodproofed, a licensed professional engineer or architect shall develop and/or review structural design, specifications, and plans for construction. A Floodproofing Certificate or other certification shall be provided to the Local Administrator that certifies the design and methods of construction are in accordance with accepted standards of practice for meeting the provisions of Section 5.4(1)(ii), including the specific elevation (in relation to mean sea level) to which the structure is to be floodproofed.
- (4) Within Zones AH and AO, adequate drainage paths are required to guide flood waters around and away from proposed structures on slopes.
- (5) Within Zone A, when no base flood elevation data are available, the lowest floor (including basement) shall be elevated at least three feet above the highest adjacent grade.

5.5 MANUFACTURED HOMES AND RECREATIONAL VEHICLES

The following standards in addition to the standards in Section 5.1, GENERAL STANDARDS, and Section 5.2, STANDARDS FOR ALL STRUCTURES apply, as indicated, in areas of special flood hazard to manufactured homes and to recreational vehicles which are located in areas of special flood hazard.

- (1) Recreational vehicles placed on sites within Zones A1-A30, AE and AH shall either:
 - (i) be on site fewer than 180 consecutive days,
 - (ii) be fully licensed and ready for highway use, or
 - (iii) meet the requirements for manufactured homes in paragraphs 5.5(2), (3) and (4).

A recreational vehicle is ready for highway use if it is on its wheels or jacking system, is attached to the site only by quick disconnect type utilities and security devices and has no permanently attached additions.

- (2) A manufactured home that is placed or substantially improved in Zones A1-A30, AE and AH shall be elevated on a permanent foundation such that the lowest floor is elevated to or above two feet above the base flood elevation and is securely anchored to an adequately anchored foundation system to resist flotation, collapse and lateral movement.
- (3) Within Zone A, when no base flood elevation data are available, new and substantially improved manufactured homes shall be elevated such that the manufactured home chassis is

supported by reinforced piers or other foundation elements of at least equivalent strength that are no less than 36 inches in height above grade and are securely anchored to an adequately anchored foundation system to resist flotation, collapse or lateral movement.

(4) Within Zone AO, the floor shall be elevated above the highest adjacent grade at least as high as the depth number specified on the Flood Insurance Rate Map enumerated in Section 3.2 (at least two feet if no depth number is specified).

5.6 ACCESSORY STRUCTURES INCLUDING DETACHED GARAGES

The following standards apply to new and substantially improved accessory structures, including detached garages, in the areas of special flood hazard shown on the Flood Insurance Rate Map designated in Section 3.2.

- (1) Within Zones A1-A30, AE, AO, AH, A, accessory structures must meet the standards of Section 5.1-1, ANCHORING,
- (2) Within Zones A1-A30, AE and AH, and also Zone A if base flood elevation data are available, areas below two feet above the base flood elevation shall be constructed using methods and practices that minimize flood damage.
- (3) Within Zones AO, or Zone A if base flood elevation data are not available, areas below three feet above the highest adjacent grade shall be constructed using methods and practices that minimize flood damage.
- (4) Structures must be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of flood waters in accordance with Section 5.2-2(3).
- (5) Utilities must meet the requirements of Section 5.2-3, UTILITIES.

SECTION 6.0 VARIANCE PROCEDURE

6.1 APPEALS BOARD

(1)	The	as established by the	of
	shall hear and de	ecide appeals and requests for variance	ces from the requirements of this local
	law.		
(2)	ror in any requir		peals when it is alleged there is an erde by the Local Administrator in the
(3)		by the decision of theeme Court pursuant to Article 78 of the	may appeal such decine Civil Practice Law and Rules.
(4)	1 0 1	such applications, the	, shall consider all technical

- (i) the danger that materials may be swept onto other lands to the injury of others;
- (ii) the danger to life and property due to flooding or erosion damage;
- (iii) the susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner;
- (iv) the importance of the services provided by the proposed facility to the community;
- (v) the necessity to the facility of a waterfront location, where applicable;
- (vi) the availability of alternative locations for the proposed use which are not subject to flooding or erosion damage;
- (vii) the compatibility of the proposed use with existing and anticipated development;
- (viii) the relationship of the proposed use to the comprehensive plan and floodplain management program of that area;
- (ix) the safety of access to the property in times of flood for ordinary and emergency vehicles;
- (x) the costs to local governments and the dangers associated with conducting search and rescue operations during periods of flooding;
- (xi) the expected heights, velocity, duration, rate of rise and sediment transport of the flood waters and the effects of wave action, if applicable, expected at the site; and
- (xii) the costs of providing governmental services during and after flood conditions, including search and rescue operations, maintenance and repair of public utilities and facilities such as sewer, gas, electrical, and water systems and streets and bridges.
- (5) Upon consideration of the factors of Section 6.l(4) and the purposes of this local law, the may attach such conditions to the granting of variances as it deems necessary to further the purposes of this local law.
- (6) The Local Administrator shall maintain the records of all appeal actions including technical information and report any variances to the Federal Emergency Management Agency upon request.

6.2 CONDITIONS FOR VARIANCES

(l) Generally, variances may be issued for new construction and substantial improvements to be erected on a lot of one-half acre or less in size contiguous to and surrounded by lots with existing structures constructed below the base flood level, providing items (i-xii) in Section 6.l(4) have been fully considered. As the lot size increases beyond the one-half acre, the technical justification required for issuing the variance increases.

- (2) Variances may be issued for the repair or rehabilitation of historic structures upon determination that:
 - (i) the proposed repair or rehabilitation will not preclude the structure's continued designation as a "Historic structure"; and
 - (ii) the variance is the minimum necessary to preserve the historic character and design of the structure.
- (3) Variances may be issued by a community for new construction and substantial improvements and for other development necessary for the conduct of a functionally dependent use provided that:
 - (i) the criteria of subparagraphs 1, 4, 5, and 6 of this Section are met; and
 - (ii) the structure or other development is protected by methods that minimize flood damages during the base flood and create no additional threat to public safety.
- (4) Variances shall not be issued within any designated floodway if any increase in flood levels during the base flood discharge would result.
- (5) Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.
- (6) Variances shall only be issued upon receiving written justification of:
 - (i) a showing of good and sufficient cause;
 - (ii) a determination that failure to grant the variance would result in exceptional hardship to the applicant; and
 - (iii) a determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, extraordinary public expense, create nuisances, cause fraud on or victimization of the public or conflict with existing local laws or ordinances.
- (7) Any applicant to whom a variance is granted for a building with the lowest floor below the base flood elevation shall be given written notice over the signature of a community official that:
 - (i) the issuance of a variance to construct a structure below the base flood level will result in increased premium rates for flood insurance up to amounts as high as \$25 for \$100 of insurance coverage; and
 - (ii) such construction below the base flood level increases risks to life and property.

Such notification shall be maintained with the record of all variance actions as required in Section 4.4-8 of this Local Law.

Be it enacted this	day of	, 20) by the	
		of the		County, New York,
to be effective				
SEAL				
		A TOTAL OF		Q7
		ATTEST		CLERK

Attachment A MODEL FLOODPLAIN DEVELOPMENT APPLICATION FORM

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

This form is to be filled out in duplicate.

SECTION 1: GENERAL PROVISIONS (APPLICANT to read and sign):

- 1. No work may start until a permit is issued.
- 2. The permit may be revoked if any false statements are made herein.
- 3. If revoked, all work must cease until permit is re-issued.
- 4. Development shall not be used or occupied until a Certificate of Compliance is issued.
- 5. The permit is invalid if no work is commenced within six months of issuance, and expires 2 years from date of issuance.
- 6. Applicant is hereby informed that other permits may be required to fulfill local, state and federal regulatory requirements.
- 7. Applicant hereby gives consent to the Local Administrator or his/her representative to make reasonable inspections required to verify compliance.
- 8. I, THE APPLICANT, CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.

1	(APPLICANT'S SIGNATURE)	DATE
1	APPLICANT'S SIGNATURE	i IJA I F
١		DILL

<u> SECTION 2: PROPOSED DEVELOPMENT</u>	(To be completed b	<u>y APPLICANT)</u>

NAME	ADDRESS	TELEPHONE
APPLICANT		
BUILDER		
ENGI-		·
NEER		
PROJECT LOCATION:		
vide the street address, lot number or le	ation, please provide enough information to easi gal description (attach) and, outside urban areas, nap attached to this application, and a sketch sho	the distance to the nearest intersect-

APPLICATION	#	PAGE 2 of 4	
DESCRIPTION	OF WORK (Check all applicable boxes):		
A. STRUCTUR	AL DEVELOPMENT		
<u>ACTIV</u>	STRUCTURE TYPE		
G Addi G Alter G Relo G Dem	ration G Non-residential (Floodproofing? G Yes) cation G Combined Use (Residential & Commercial)		
ESTIM	ATED COST OF PROJECT \$		
B. OTHER DE	VELOPMENT ACTIVITIES:		
G Wate G Drain G Road G Subd G Indiv G Othe	G Mining G Drilling G Grading Evation (Except for Structural Development Checked Above) Ercourse Alteration (Including Dredging and Channel Modifications) Enage Improvements (Including Culvert Work), Stormwater Control Structures or Ponds Ed., Street or Bridge Construction Elivision (New or Expansion) Evidual Water or Sewer System Er (Please Specify) Eng SECTION 2, APPLICANT should submit form to Local Administrator for review.		
	TLOODPLAIN DETERMINATION (To be completed by LOCAL ADMINISTRATOR)		
The proposed d	evelopment is located on FIRM Panel No, Dated		
The Proposed D	Development:		
G	The proposed development is reasonably safe from flooding. Entire property is in Zone B, C	or X.	
G	G The proposed development is in adjacent to a flood prone area. 100-Year flood elevation at the site is: Ft. G NGVD 1929/ G NAVD 1988 (MSL) G Unavailable		
G	See Section 4 for additional instructions for development that is or may be in a flood prone are	ea.	
SIGNED	DATE		

Expiration Date:

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by LOCAL ADMINISTRATOR)

The applica	nt must submit the documents checked below before the application can be processed:			
G	A site plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.			
G	Development plans and specifications, drawn to scale, including where applicable: details for anchoring structures, proposed elevation of lowest floor (including basement), types of water resistant materials used below the first floor, details of floodproofing of utilities located below the first floor, details of enclosures below the first floor, openings in foundation for entry and exit of floodwaters. Other			
G	Elevation Certificate			
G	Subdivision or other development plans (If the subdivision or other development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant <u>must</u> provide 100-year flood elevations if they are not otherwise available).			
G Plans showing the watercourse location, proposed relocations, Floodway location.				
G	G Topographic information showing existing and proposed grades, location of all proposed fill.			
G	Top of new fill elevationFt. G NGVD 1929/ G NAVD 1988 (MSL)			
G	PE Certification of Soil Compaction			
G	Floodproofing protection level (non-residential only) G NGVD 1929/ G NAVD 1988 (MSL) For floodproofed structures, applicant must attach certification from registered engineer or architect.			
G	Other:			
	5: PERMIT DETERMINATION (To be completed by LOCAL ADMINISTRATOR)			
I have deter	rmined that the proposed activity: A. G Is B. G Is not			
	ance with provisions of Local Law #, (yr) This permit is herby issued subject to the condicated to and made part of this permit.			
SIGNED_	, DATE			
<u>If BOX B i</u>	s checked, the Local Administrator may issue a Development Permit upon payment of designated fee. s checked, the Local Administrator will provide a written summary of deficiencies. Applicant may revise and application to the Local Administrator or may request a hearing from the Board of Appeals.			

APPLICATION #		Page 4 of 4		
APPEALS	**	oard of Appeals? G Yes G No Decision Approved? G Yes G No		
	Conditions:			
SECTION	6: AS-BUILT	ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued)		
		must be provided for project structures. This section must be completed by a registered profes- d land surveyor (or attach a certification to this application). Complete 1 or 2 below.		
to No G	Actual (As-Built) Elevation of the top of the lowest floor, including basement (<u>in Coastal High Hazard Areas</u> , bottom of lowest structural member of the lowest floor, excluding piling and columns) is: FT. G NGVD 1929/ G NAVD 1988 (MSL). Attach Elevation Certificate FEMA Form 81-31			
2. Ao (MSL).	ctual (As-Built) I	Elevation of floodproofing protection is FT. G NGVD 1929/ G NAVD 1988		
	ttach Floodproo	fing Certificate FEMA Form 81-65		
NOTE: A	ny work perform	ed prior to submittal of the above information is at the risk of the Applicant.		
SECTION	7: COMPLIAN	NCE ACTION (To be completed by LOCAL ADMINISTRATOR)		
		RATOR will complete this section as applicable based on inspection of the project to ensure com- 's local law for flood damage prevention.		
INSPECTI	ONS: DATE	BY DEFICIENCIES? G YES G NO BY DEFICIENCIES? G YES G NO		
	DATE DATE	BY DEFICIENCIES? G YES G NO BY DEFICIENCIES? G YES G NO		
	<i>DI</i> IIL	BIBBNGENCES. CIES CINC		
SECTION	8: CERTIFICA	ATE OF COMPLIANCE(To be completed by LOCAL ADMINISTRATOR)		
Certificate	of Compliance i	ssued: DATE:		
BY:				

Attachment B

SAMPLE CERTIFICATE OF COMPLIANCE

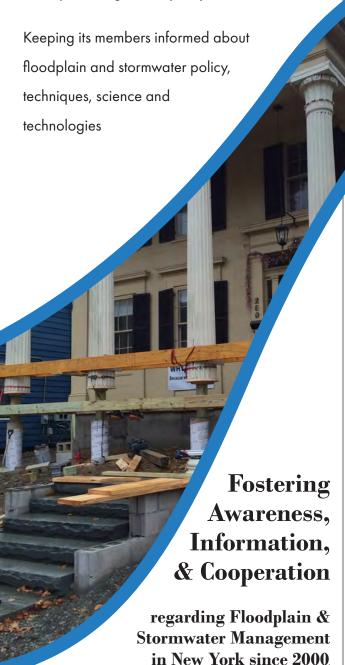
for Development in a Special Flood Hazard Area

CERTIFICATE OF COMPLIANCE FOR DEVELOPMENT IN A SPECIAL FLOOD HAZARD AREA

(Owner Must Retain This Certificate)

Premise	s located at:			
Owner:	-			
Owner's	s Address:			
	-			
	-			
Permit N	No Perr	nit Date:		
Check C - - - -	One: New BuildingExisting BuildFillOther:	ing		
The Loc	al Floodplain Ad	lministrator is to complete a. or b. below:		
a. (Compliance is he	reby certified with the requirements of Local La	w No, (yr))
S	Signed:	Dated:		
		reby certified with the requirements of Local Larno, dated		, as modi-
Ş	Sioned:	Dated:		

Enhancing cooperation and communication between individuals, companies, and local, state and federal agencies to reduce flood losses while protecting water quality.

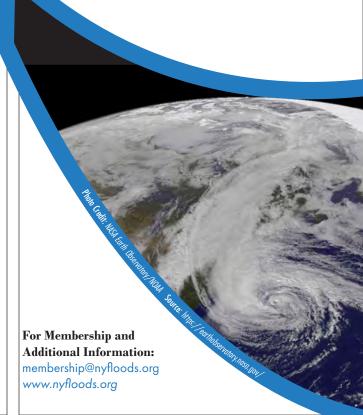


NYSFSIMA PO Box 1785 Schenectady, NY 12301 nyfloods.org

New York State Floodplain & Stormwater Managers Association

Promoting Floodplain and Stormwater Management to Reduce Flood Damages

www.nyfloods.org



Addressing Flood Risks

New York State has suffered billions of dollars in flood losses in recent years. Those losses are expected to continue and even grow due to accelerated sea level rise and more concentrated precipitation events across the state. Even without these changes, our history of developing along our waterways increases flood risk.

Floods are Acts of God; Flood Losses are Largely Acts of Man (Gilbert White)

Dr. White (1911-2006) explained that we cannot solely engineer our way out of flood damages and promoted floodplain management techniques so communities can adjust to floods. NYSFSMA provides training and other support for a variety of programs and practices that reduce flood damages and limit how much new development contributes to flooding. These include the National Flood Insurance Program (NFIP), local building and development standards, flood hazard mapping, land use planning, state building codes, stormwater management, protection and restoration of watershed functions, and public education.





Why You Should Join

Stay aware of the latest developments in floodplain and stormwater policy and techniques. Learn from fellow professionals. Have a voice with decision makers in Albany and Washington.

Key Offerings

- Annual Meeting each spring
- Workshops & Training with Continuing Ed Credits
- Webinars
- Newsletters
- Email Information on Breaking Developments
- Professional Networking
- Policy Discussions

Who Should Join

- Municipal Officials
- State and Regional Agencies
- Planners
- Engineers, Consultants, Surveyors, Developers, Realtors, Lenders, Insurance Agents
- Water Resource Advocacy Groups
- Interested Individuals

"A property in the 100-year floodplain has a 96% chance of being flooded in the next hundred years without global warming. The fact that several years go by without a flood does not change that probability."

- Earl Blumenauer, Member of Congress



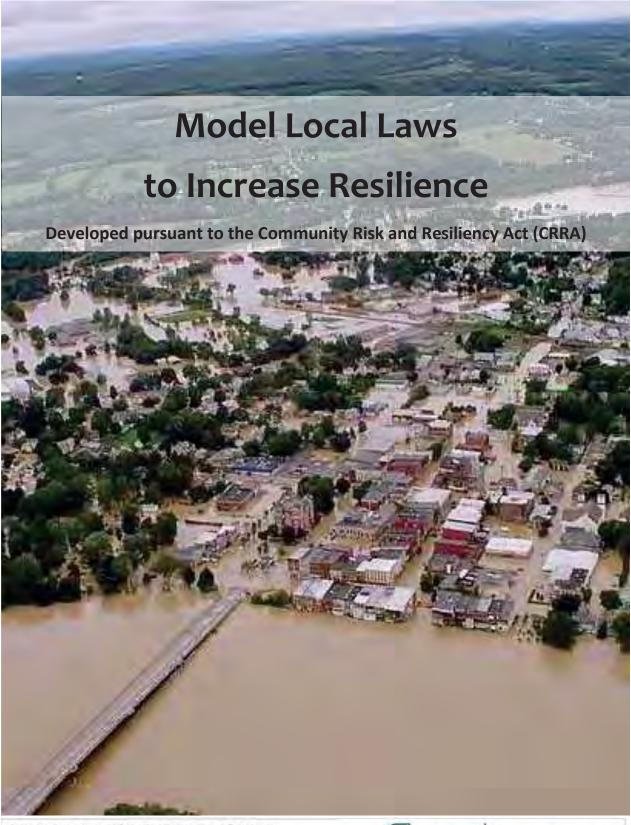
NYSFSMA

PO Box 1785 Schenectady, NY 12301

518-707-6516

For Membership and Additional Information:

membership@nyfloods.org www.nyfloods.org



Rossana Rosado, Secretary of State Andrew M. Cuomo, Governor

