

(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~~ of Croghan  
~~TOWN~~  
Village

Local Law No. 1 of the year 19 92.

A local law amending Local Law No. 1 of 1987 entitled "Flood Damage Prevention"  
(Insert Title)

Be it enacted by the Village Board of the  
(Name of Legislative Body)

~~COUNTY~~  
~~CITY~~ of Croghan as follows:  
~~TOWN~~  
Village

See Attached Sheets.

(If additional space is needed, attach pages the same size as this sheet, and number each.)

(1)

1. Section 3.2 of Local Law No. 1 of 1987 entitled "Flood Damage Prevention" is deleted and in its place is substituted the following Section 3.2:

3.2 BASIS FOR ESTABLISHING THE AREAS OF SPECIAL FLOOD HAZARD

The areas of special flood hazard have been identified by the Federal Emergency Management Agency on Flood Insurance Rate Map No. 361068B-01 dated May 15, 1985.

The above document is, hereby, adopted and declared to be a part of this Local Law and is filed at the Village of Croghan Offices at Croghan, New York.

2. Section 6.1 of Local Law No. 1 of 1987 entitled "Flood Damage Prevention" is deleted and in its place is substituted the following:

6.1 APPEALS BOARD

(1) The Board of Appeals as established by the Village Board shall hear and decide appeals and requests for variances from the requirements of this local law.

(2) The Board of Appeals 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 Board of Appeals 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 Board of Appeals, 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 flood plain 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 6.1(4) and the purposes of this Local Law, the Board of Appeals 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.

3. This Local Law shall take effect immediately upon filing with the Secretary of State's Office.

(City local law concerning Charter revision proposed by petition.)

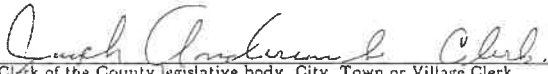
I hereby certify that the local law annexed hereto, designated as local law No. \_\_\_\_\_ of 19\_\_\_\_ of the City of \_\_\_\_\_ having been submitted to referendum pursuant to the provisions of section (36)(37) of the Municipal Home Rule Law, and having received the affirmative vote of a majority of the qualified electors of such city voting thereon at the (special)(general) election held on \_\_\_\_\_ 19\_\_\_\_, became operative.

6. (County local law concerning adoption of Charter.)

I hereby certify that the local law annexed hereto, designated as local law No. \_\_\_\_\_ of 19\_\_\_\_ of the County of \_\_\_\_\_, State of New York, having been submitted to the electors at the General Election of November \_\_\_\_\_ 19\_\_\_\_, pursuant to subdivisions 5 and 7 of section 33 of the Municipal Home Rule Law, and having received the affirmative vote of a majority of the qualified electors of the cities of said county as a unit and of a majority of the qualified electors of the towns of said county considered as a unit voting at said general election, became operative.

(If any other authorized form of final adoption has been followed, please provide an appropriate certification.)

I further certify that I have compared the preceding local law with the original on file in this office and that the same is a correct transcript therefrom and of the whole of such original local law, and was finally adopted in the manner indicated in paragraph 1, above.


  
Clerk of the County legislative body, City, Town or Village Clerk  
or officer designated by local legislative body  
Joseph Anderson, Village Clerk  
Date: February 5, 1992

(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 LEWIS

I, the undersigned, hereby certify that the foregoing local law contains the correct text and that all proper proceedings have been had or taken for the enactment of the local law annexed hereto.

  
Signature  
Village  
~~XXXX~~ Attorney  
Title

~~XXXXXX~~  
~~XXX~~ of Croghan  
~~XXXX~~  
Village

Date: February 7, 1992

(Please Use this Form for Filing your Local Law with the Secretary of State)

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~~COUNTY~~  
~~CITY~~  
~~TOWN~~  
Village

of \_\_\_\_\_ CROGHAN \_\_\_\_\_  
Local Law No. \_\_\_\_\_ 1 \_\_\_\_\_ of the year 19 87

A local law for \_\_\_\_\_ **FLOOD DAMAGE PREVENTION** \_\_\_\_\_  
(Insert title)

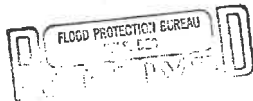
as authorized by the New York State Constitution, Article IX, Section 2, and Environmental Conservation Law, Article 36.

Be it enacted by the \_\_\_\_\_ Board of Trustees \_\_\_\_\_ of the  
(Name of Legislative Body)

91A  
11/15

~~COUNTY~~  
~~CITY~~  
~~TOWN~~  
Village

of \_\_\_\_\_ CROGHAN, LEWIS \_\_\_\_\_ County, N.Y. as follows:



DEC 23 1987

If additional space is needed, please attach sheets of the same size as this and number each

(FOLLOWING COMPLIES WITH NATIONAL FLOOD INSURANCE  
PROGRAM FLOOD PLAIN MANAGEMENT CRITERIA FOR FLOOD-PRONE AREAS  
(44 CFR 60.3[b] & [c]) AS REVISED 10/1/86)

FLOOD DAMAGE PREVENTION LOCAL LAW

SECTION 1.0  
STATUTORY AUTHORIZATION AND PURPOSE

1.1 FINDINGS

The Board of Trustees of the Village of Croghan, New York, finds that the potential and/or actual damages from flooding and erosion may be a problem to the residents of the Village of Croghan, New York, and that such damages may include: destruction or loss of private and public housing, damage to public facilities, both publically 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 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.

"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 or VO Zone on a community's Flood Insurance Rate Map (FIRM) with base flood depths from one to three feet where a clearly defined channel does not exist, where the path of flooding is unpredictable and indeterminate, and where velocity flow may be evident.

"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, AI-99, V, VO, VE, or VI-30. It is also commonly referred to as the base floodplain or 100-year floodplain.

"Base flood" means the flood having a one percent chance of being equalled or exceeded in any given year.

"Basement" means that portion of a building having its floor subgrade (below ground level) on all sides.

"Breakaway wall" means a wall that is not part of the structural support of the building and is intended through its design and construction to collapse under specific lateral loading forces without causing damage to the elevated portion of the building or the supporting foundation system.

"Building" means any structure built for support, shelter, or enclosure for occupancy or storage.

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

"Coastal high hazard area" means the area subject to high velocity waters including, but not limited to, hurricane wave wash. The area is designated on a FIRM as Zone VI - 30, VE, VO or V.

"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 located within the area of special flood hazard.

"Elevated building" means a non-basement building built to have the lowest floor elevated above the ground level by means of fill, solid foundation perimeter walls, pilings, columns (posts and piers), or shear walls.

"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 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 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 defined but no water surface elevation data is 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 is the official report provided by the Federal Emergency Management Agency. The report contains flood profiles, as well as the Flood Boundary Floodway Map and the water surface elevations of the base flood.

Flood proofing means any combination of structural and non-structural additions, changes, or adjustments to structures which reduce or eliminate flood damage to real estate or improved real property, water and sanitary facilities, structures and their contents.

Floodway - has the same meaning as "Regulatory Floodway".

Floor means the top surface of an enclosed area in a building (including basement), i.e., top of slab in concrete slab construction or top of wood flooring in wood frame construction.

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. The term does not include long-term storage, manufacture, 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.

Lowest Floor means lowest level including basement or cellar of the lowest enclosed area. An unfinished or flood resistant enclosure, usable solely for parking of vehicles, building access, or storage in an area other than a basement or cellar 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 also includes park trailers, travel trailers, and similar transportable structures placed on a site for 180 consecutive days or longer and intended to be improved property.

Mean Sea Level means, 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 is a vertical control used as a reference for establishing elevations within the flood plain.

"New construction" means structures for which the "start of construction" commenced on or after the effective date of this Local Law.

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

"100-year Flood" - has the same meaning as "Base Flood."

"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 4.3-2 of this Law.

"Sand dunes" means naturally occurring accumulations of sand in ridges or mounds landward of the beach.

"Start of construction" means the initiation, excluding planning and design, of any phase of a project, 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, sheds), storage trailers, and building materials.

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

"Substantial improvement" means any repair, reconstruction, or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure, excluding land values, either:

- (1) before the improvement or repair is started; or
- (2) if the structure has been damaged and is being restored, before the damage occurred.

For the purposes of this definition "substantial improvement" is considered to commence when the first alteration of any wall, ceiling, floor or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure. The term does not, however, include either:

- (1) any project for improvement of a structure to comply with existing state or local building, fire, health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions; or
- (2) any alteration of a structure or contributing structure listed on the National Register of Historic Places or a State Inventory of Historic Places.

"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.

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 hazards within the jurisdiction of Village of Croghan, New York.

3.2 BASIS FOR ESTABLISHING THE AREAS OF SPECIAL FLOOD HAZARD

- (1) The areas of special flood hazard identified by the Federal Emergency Management Agency in a scientific and engineering report entitled "The Flood Insurance Study for the \_\_\_\_\_ of \_\_\_\_\_ County, New York", dated \_\_\_\_\_, 19\_\_\_\_, with accompanying Flood Insurance Rate Maps is hereby adopted and declared to be a part of this Local Law. The Flood Insurance Study and FIRM are on file at \_\_\_\_\_.

(OR)

- (2) The areas of special flood hazard identified by the Federal Insurance Administration on its Flood Hazard Boundary Map (FHBM), or Flood Insurance Rate Map (FIRM) No. 361-068B dated May 15, 1985, is hereby adopted and declared to be a part of this Local Law. The FHBM or FIRM is on file at local Emergency Management Agency, Lowville, New York.

3.3 INTERPRETATION, CONFLICT WITH OTHER LAWS

This Local Law is adopted in response to revisions to the National Flood Insurance Program effective October 1, 1986 and shall supercede all previous laws adopted for the purpose of establishing and maintaining eligibility for flood insurance.

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 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 Village of Croghan, New York,

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 noncompliant 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 Village of Croghan, N. Y., 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 thereunder.

## SECTION 4.0 ADMINISTRATION

### 4.1 DESIGNATION OF THE LOCAL ADMINISTRATOR

The Village Clerk is hereby appointed Local Administrator to administer and implement this local law by granting or denying development permit applications in accordance with its provisions.

### 4.2 ESTABLISHMENT OF DEVELOPMENT PERMIT

A Development Permit shall be obtained before the start of construction or any other development within the area of special flood hazard as established in Section 3.2. Application for a Development 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.

#### 4.2-1 APPLICATION STAGE.

The following information is required where applicable:

- (a) Elevation in relation to mean sea level of the proposed lowest floor (including basement or cellar) of all structures;
- (b) Elevation in relation to mean sea level to which any non-residential structure will be flood-proofed;
- (c) When required, a certificate from a licensed professional engineer or architect that the utility floodproofing will meet the criteria in Section 5.1-3(1);
- (d) Certificate from a licensed professional engineer or architect that the non-residential flood-proofed structure will meet the flood-proofing criteria in Section 5.2-2; and
- (e) Description of the extent to which any watercourse will be altered or relocated as a result of proposed development.

## 4.2-2 CONSTRUCTION STAGE.

Upon placement of the lowest floor, or flood-proofing by whatever means, it shall be the duty of the permit holder to submit to the Local Administrator a certificate of the as-built elevation of the lowest floor, or flood-proofed elevation, in relation to mean sea level. The elevation certificate shall be prepared by or under the direct supervision of a licensed land surveyor or professional engineer and certified by same. When flood-proofing is utilized for a particular building, the flood proofing certificate shall be prepared by or under the direct supervision of a licensed professional engineer or architect and certified by same. Any further work undertaken prior to submission and approval of the certificate 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.

## 4.3 DUTIES AND RESPONSIBILITIES OF THE LOCAL ADMINISTRATOR

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

## 4.3-1 PERMIT APPLICATION REVIEW

- (1) Review all development permit applications to determine that the requirements of this local law have been satisfied.
- (2) Review all development permit applications to determine that all necessary permits have been obtained from those Federal, State or local governmental agencies from which prior approval is required.
- (3) Review all development permit applications to determine if the proposed development adversely affects the area of special flood hazard. For the purposes of this local law, "adversely affects" means physical damage to adjacent properties. A hydraulic engineering study may be required of the applicant for this purpose.
  - (i) If there is no adverse effect, then the permit shall be granted consistent with the provisions of this local law.
  - (ii) If there is an adverse effect, then flood damage mitigation measures shall be made a condition of the permit.
- (4) Review all development permits for compliance with the provisions of Section 5.1-5, Encroachments.

## 4.3-2 USE OF OTHER BASE FLOOD AND FLOODWAY DATA

When base flood elevation data has not been provided in accordance with Section 3.2, BASIS FOR ESTABLISHING THE AREAS OF SPECIAL FLOOD HAZARD, 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 Section 5.1-4(4) in order to administer Section 5.2, SPECIFIC STANDARDS and Section 5.3 FLOODWAYS.

## 4.3-3 INFORMATION TO BE OBTAINED AND MAINTAINED

- (1) Obtain and record the actual elevation, in relation to mean sea level, of the lowest floor including basement or cellar of all new or substantially improved

structures, and whether or not the structure contains a basement or cellar.

- (2) For all new or substantially improved floodproofed structures:
  - (i) obtain and record the actual elevation, in relation to mean sea level, to which the structure has been floodproofed; and
  - (ii) maintain the floodproofing certifications required in Sections 5.1 and 5.2.
- (3) Maintain for public inspection all records pertaining to the provisions of this local law including variances, when granted, and Certificates of Compliance.

#### 4.3-4 ALTERATION OF WATERCOURSES

- (1) Notify adjacent communities and the New York State Department of Environmental Conservation prior to any alteration or relocation of a watercourse, and submit evidence of such notification to the Regional Director, Federal Emergency Management Agency, Region II, 26 Federal Plaza, New York, NY 10278.
- (2) Require that maintenance is provided within the altered or relocated portion of said watercourse so that the flood carrying capacity is not diminished.

#### 4.3-5 INTERPRETATION OF FHEM, FIRM OR FBEM BOUNDARIES

The Local Administrator shall have the authority to make interpretations when there appears to be a conflict between the limits of the federally identified area of special flood hazard and actual field conditions.

Base flood elevation data established pursuant to Section 3.2 and/or Section 4.3-2, when available, shall be used to accurately delineate the area of special flood hazards.

The Local Administrator shall use flood information from any other authoritative source, including historical data, to establish the limits of the area of special flood hazards when base flood elevations are not available.

#### 4.3-6 STOP WORK ORDERS

- (1) All floodplain development found ongoing without an approved permit shall be subject to the issuance of a stop work order by the Local Administrator. Disregard of a stop work order shall be subject to the penalties described in Section 3.5 of this Local Law.
- (2) All floodplain development found noncompliant with the provisions of this law and/or the conditions of the approved permit shall be subject to the issuance of a stop work order by the Local Administrator. Disregard of a stop work order shall be subject to the penalties described in Section 3.5 of this Local Law.

#### 4.3-7 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 that the development is in compliance with the requirements of this Local Law.

## 4.3-8 CERTIFICATE OF COMPLIANCE

- (1) It shall be unlawful to use or 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 either the Development Permit or the approved variance.
- (2) All other development occurring within the area of special flood hazard will have upon completion a Certificate of Compliance issued by the Local Administrator.

All certificates shall be based upon the inspections conducted subject to Section 4.3-7 and/or any certified elevations, hydraulic information, floodproofing, anchoring requirements or encroachment analysis which may have been required as a condition of the approved permit.

SECTION 5.0  
PROVISIONS FOR FLOOD HAZARD REDUCTION

## 5.1 GENERAL STANDARDS

In all areas of special flood hazards the following standards are required:

## 5.1-1 ANCHORING

- (1) All new construction and substantial improvements shall be anchored to prevent flotation, collapse, or lateral movement of the structure.
- (2) All manufactured homes shall be installed using methods and practices which minimize flood damage. Manufactured homes must be elevated and anchored to resist flotation, collapse, or lateral movement. Methods of anchoring may include, but are not to be limited to, use of over-the-top or frame ties to ground anchors. This requirement is in addition to applicable State and local anchoring requirements for resisting wind forces.

## 5.1-2 CONSTRUCTION MATERIALS AND METHODS

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

## 5.1-3 UTILITIES

- (1) Electrical, heating, ventilation, plumbing, air conditioning equipment, and other service facilities shall be designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding. When designed for location below the base flood elevation, a professional engineer's or architect's certification is required.
- (2) All 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.
- (4) On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

#### 5.1-4 SUBDIVISION PROPOSALS

- (1) All subdivision proposals shall be consistent with the need to minimize flood damage.
- (2) All subdivision proposals shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize flood damage.
- (3) All subdivision proposals shall have adequate drainage provided to reduce exposure to flood damage.
- (4) Base flood elevation data shall be provided for subdivision proposals and other proposed developments (including proposals for manufactured home parks and subdivisions) greater than either 50 lots or 5 acres.

#### 5.1-5 ENCROACHMENTS

- (1) All proposed development in riverine situations where no flood elevation data is available (unnumbered A Zones) shall be analyzed to determine the effects on the flood carrying capacity of the area of special flood hazards set forth in section 4.3-1(3), Permit Review. This may require the submission of additional technical data to assist in the determination.
- (2) In all areas of special flood hazard in which base flood elevation data is available pursuant to Section 4.3-2 or Section 5.1-4(4) and no floodway has been determined the cumulative effects of any proposed development, when combined with all other existing and anticipated development, shall not increase the water surface elevation of the base flood more than one foot at any point.
- (3) In all areas of the special flood hazard where floodway data is provided or available pursuant to Section 4.3-2, the requirements of Section 5.3 FLOODWAYS, shall apply.

#### 5.2 SPECIFIC STANDARDS

In all areas of special flood hazards where base flood elevation data has been provided as set forth in Section 3.2(1) BASIS FOR ESTABLISHING THE AREAS OF SPECIAL FLOOD HAZARD and Section 4.3-2, USE OF OTHER BASE FLOOD DATA, the following standards are required:

##### 5.2-1 RESIDENTIAL CONSTRUCTION

New construction and substantial improvements of any resident structure shall:

- (1) Have the lowest floor, including basement or cellar, elevated to or above the base flood elevation.

- (2) Have fully enclosed areas below the lowest floor that 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 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;
  - (ii) the bottom of all such openings shall be no higher than one foot above the lowest adjacent finished grade; and
  - (iii) openings may be equipped with louvers, valves, screens or other coverings or devices provided they permit the automatic entry and exit of floodwaters.

#### 5.2-2 NONRESIDENTIAL CONSTRUCTION

New construction and substantial improvements of any commercial, industrial or other non-residential structure, together with attendant utility and sanitary facilities, shall either: have the lowest floor, including basement or cellar, elevated to or above the base flood elevation; or be floodproofed to the base flood level.

- (1) If the structure is to be elevated, fully enclosed areas below the base flood elevation shall be designed to automatically (without human intervention) allow for the entry and exit of floodwaters for the purpose of equalizing hydrostatic flood forces on exterior walls. Designs for meeting this requirement must either be certified by a licensed professional engineer or a licensed architect or meet the following 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;
  - (ii) the bottom of all such openings shall be no higher than one foot above the lowest adjacent finished grade; and
  - (iii) openings may be equipped with louvers, valves, screens or other coverings or devices provided they permit the automatic entry and exit of floodwaters.
- (2) If the structure is to be floodproofed:
- (i) a licensed professional engineer or architect shall develop and/or review structural design, specifications, and plans for the construction, and shall certify that the design and methods of construction are in accordance with accepted standards of practice to make the structure watertight with walls substantially impermeable to the passage of water, with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy; and
  - (ii) a licensed professional engineer or licensed land surveyor shall certify the specific elevation (in

relation to mean sea level) to which the structure is floodproofed.

The Local Administrator shall maintain on record a copy of all such certificates noted in this section.

#### 5.2-3 CONSTRUCTION STANDARDS FOR AREAS OF SPECIAL FLOOD HAZARDS WITHOUT BASE FLOOD ELEVATIONS

- (1) New construction or substantial improvements of structures including manufactured homes shall have the lowest floor (including basement) elevated at least 2 feet above the highest adjacent grade next to the proposed foundation of the structure.
- (2) Fully enclosed areas below the lowest floor that are subject to flooding shall be designed to automatically (without human intervention) allow for the entry and exit of floodwaters for the purpose of equalizing hydrostatic flood forces on exterior walls. Designs for meeting this requirement must either be certified by a licensed professional engineer or a licensed architect or meet the following 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;
  - (ii) the bottom of all such openings shall be no higher than one foot above the lowest adjacent finished grade; and
  - (iii) openings may be equipped with louvers, valves, screens or other coverings or devices provided they permit the automatic entry and exit of floodwaters.

#### 5.3 FLOODWAYS

Located within areas of special flood hazard are areas designated as floodways (see definition, Section 2.0). The floodway is an extremely hazardous area due to high velocity flood waters carrying debris and posing additional threats from potential erosion forces. When floodway data is available for a particular site as provided by Section 4.3-2, all encroachments including fill, new construction, substantial improvements, and other development are prohibited within the limits of the floodway unless a technical evaluation demonstrates that such encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge.

### SECTION 6.0 VARIANCE PROCEDURE

#### 6.1 APPEALS BOARD

- (1) The Board of Trustees as established by Village of Croghan, N. Y., shall hear and decide appeals and requests for variances from the requirements of this local law.
- (2) The Board of Trustees 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 Board of Trustees 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 Board of Trustees 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 flood plain 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 6.1(4) and the purposes of this local law, the Board of Trustees 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 item (i-xii) in Section 6.1(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 reconstruction, rehabilitation or restoration of structures and contributing structures listed on the National Register of Historic Places or the State Inventory of Historic Places, without regard to the procedures set forth in this local law.
- (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;
  - (ii) the structure or other development is protected by methods that minimize flood damages during the base flood and create no additional threats 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:
  - (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 that the cost of flood insurance will be commensurate with the increased risk.

Be it enacted this 4th day of November, 1987 by the  
Board of Trustees of Croghan,  
Lewis County, New York, to be effective  
 as provided by law.

Robert Snyder  
Harold Martin  
N. Craig Martin  
Vernon Lyndaker  
 \_\_\_\_\_  
 \_\_\_\_\_

*Joseph ...* SEAL  
 ATTEST.                      VILLAGE CLERK

(Complete the certification in the paragraph which applies to the filing of this local law and strike out the matter therein which is not applicable.)

1. (Final adoption by local legislative body only.)

I hereby certify that the local law annexed hereto, designated as local law No. 1 of 1987  
of the ~~County~~  
~~City~~ of Croghan was duly passed by the Board of Trustees  
~~Town~~ (Name of Legislative Body)  
Village  
on November 4, 1987 in accordance with the applicable provisions of law.

2. (Passage by local legislative body with approval or no disapproval by Elective Chief Executive Officer,\* or repassage after disapproval.)

I hereby certify that the local law annexed hereto, designated as local law No. \_\_\_\_\_ of 19\_\_\_\_\_  
County  
City  
of the Town of \_\_\_\_\_ was duly passed by the \_\_\_\_\_  
Village (Name of Legislative Body)  
on \_\_\_\_\_ 19\_\_\_\_\_. not disapproved  
and was approved repassed after disapproval by the \_\_\_\_\_  
Elective Chief Executive Officer \*  
and was deemed duly adopted on \_\_\_\_\_ 19\_\_\_\_\_, in accordance with the applicable provisions of law.

3. (Final adoption by referendum.)

I hereby certify that the local law annexed hereto, designated as local law No. \_\_\_\_\_ of 19\_\_\_\_\_  
County  
City  
of the Town of \_\_\_\_\_ was duly passed by the \_\_\_\_\_  
Village (Name of Legislative Body)  
on \_\_\_\_\_ 19\_\_\_\_\_. not disapproved  
and was approved repassed after disapproval by the \_\_\_\_\_  
Elective Chief Executive Officer \*  
on \_\_\_\_\_ 19\_\_\_\_\_. Such local law was submitted to the people by reason of a  
mandatory permissive referendum, and received the affirmative vote of a majority of the qualified electors voting  
general  
thereon at the special election held on \_\_\_\_\_ 19\_\_\_\_\_, in accordance with the appli-  
annual  
cable provisions of law.

4. (Subject to permissive referendum, and final adoption because no valid petition filed requesting referendum.)

I hereby certify that the local law annexed hereto, designated as local law No. \_\_\_\_\_ of 19\_\_\_\_\_  
County  
City  
of the Town of \_\_\_\_\_ was duly passed by the \_\_\_\_\_ on  
Village (Name of Legislative Body)  
\_\_\_\_\_ 19\_\_\_\_\_. not disapproved  
and was approved repassed after disapproval by the \_\_\_\_\_ on  
Elective Chief Executive Officer \*  
\_\_\_\_\_ 19\_\_\_\_\_. Such local law being subject to a permissive referendum and no  
valid petition requesting such referendum having been filed, said local law was deemed duly adopted on  
\_\_\_\_\_ 19\_\_\_\_\_, in accordance with the applicable provisions of law.

\*Elective Chief Executive Officer means or includes the chief executive officer of a county elected on a county-wide basis or, if there be none, the chairman of the county legislative body, the mayor of a city or village or the supervisor of a town, where such officer is vested with power to approve or veto local laws or ordinances.

5. (City local law concerning Charter revision proposed by petition.)

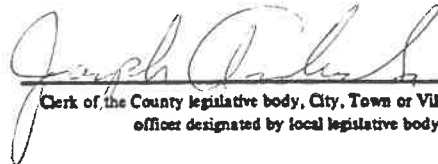
I hereby certify that the local law annexed hereto, designated as local law No. \_\_\_\_\_ of 19 \_\_\_\_\_ of the City of \_\_\_\_\_ having been submitted to referendum pursuant to the provisions of § 36 of the Municipal Home Rule Law, and having received the affirmative vote of a majority of the qualified electors of such city voting thereon at the <sup>special</sup> ~~general~~ election held on \_\_\_\_\_ 19 \_\_\_\_\_ became operative.

6. (County local law concerning adoption of Charter.)

I hereby certify that the local law annexed hereto, designated as Local Law No. \_\_\_\_\_ of 19 \_\_\_\_\_ of the County of \_\_\_\_\_, State of New York, having been submitted to the Electors at the General Election of November \_\_\_\_\_, 19 \_\_\_\_\_, pursuant to subdivisions 5 and 7 of Section 33 of the Municipal Home Rule Law, and having received the affirmative vote of a majority of the qualified electors of the cities of said county as a unit and of a majority of the qualified electors of the towns of said county considered as a unit voting at said general election, became operative.

(If any other authorized form of final adoption has been followed, please provide an appropriate certification.)

I further certify that I have compared the preceding local law with the original on file in this office and that the same is a correct transcript therefrom and of the whole of such original local law, and was finally adopted in the manner indicated in paragraph \_\_\_\_\_ above.

  
Clerk of the County legislative body, City, Town or Village Clerk or  
officer designated by local legislative body

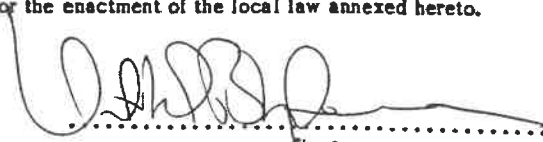
Date: November 4, 1987

(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 LEWIS

I, the undersigned, hereby certify that the foregoing local law contains the correct text and that all proper proceedings have been had or taken for the enactment of the local law annexed hereto.

  
Nathaniel B. Merrell  
Village Attorney  
Title

Date: November 4, 1987

County  
City of Croghan  
Town  
Village