#### Chapter 052

#### FLOODPLAIN MANAGEMENT

[HISTORY: Adopted by the Board of Trustees of the Village of Cold Spring 01-28-2013 as L.L. 01-2013. Amendments noted where applicable.]

- § 52-1. Findings.
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## **GENERAL REFERENCES**

Reimbursement of Professional Consultants' Fees - See Ch. 57. <u>Historic District - See Ch. 64.</u>

## § 52-1. Findings.

The Board of Trustees of the Village of Cold Spring finds that the potential and/or actual damages from flooding and erosion may be a problem to the residents of the Village of Cold Spring 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 chapter Chapter is adopted.

## § 52-2. Statement of Purpose.

It is the purpose of this <u>chapterChapter</u> 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;
- D. control filling, grading, dredging and other <u>construction</u> development <u>activities</u> 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, and;
- F. qualify and maintain <u>standards</u> for participation in the National Flood Insurance Program.

§ 52-3

## § 52-3. Objectives.

The objectives of this **chapter**Chapter are:

- A. to protect human life and health;
- B. to minimize expenditure of public money for costly flood control projects;
- C. to minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- D. to minimize prolonged business interruptions;
- E. to 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. 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;
- G. to provide that developers are notified that property is in an area of special flood hazard; and,
- H. to ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.

§ 52-4

## § 52-4. Definitions.

A. Unless specifically defined below, words or phrases used in this chapter Chapter

shall be interpreted so as to give them the meaning they have in common usage and to give this <a href="mailto:chapterChapter">chapterChapter</a> its most reasonable application.

- "APPEAL" means 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" 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 (1%) or greater chance of flooding in any given year. This area may be designated as Zone A, AE, AH, AO, Al A30, A99, V, VO, VE, or Vl V30. It is also commonly referred to as the base floodplain or one-hundred-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 thea flood having a one-percent (1%) 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."

"BUILDING means any structure having a roof supported by columns or by wood and intended for the shelter, housing or enclosure of persons, animals or chattel.

CELLAR<sup>22</sup> has the same meaning as "Basement."

"CRAWL SPACE" means an enclosed area beneath the lowest elevated floor, eighteen (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 properly vented to allow for the equalization of hydrostatic forces which would be experienced during periods of flooding.

§ 52-4

"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.

<u>§ 52-4</u>

- "FLOOD BOUNDARY AND FLOODWAY MAP (FBFM)") means an official map of the community and refers to the most current map published by the Federal Emergency Management Agency as part of a riverine community's Flood Insurance Study. The FBFM delineates a Regulatory 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 corresponding water surface elevations elevations, or an examination, evaluation and determination of flood-related erosion hazards.
- "FLOOD HAZARD BOUNDARY MAP (FHBM)" means an official map of the 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 nonstructural additions, changes or adjustments to structures which reduce or eliminate flood damage to real estate or improved real property, water and sanitary facilities, structures and their contents.
- "FLOODWAY" 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.

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"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 <u>preliminarily preliminarily</u> 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 <u>significancesignificance</u> of a registered historic district or a district preliminarily <u>determined determined</u> 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; or
- (4) individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:
- (a) by an approved state program as determined by the Secretary of the Interior, or
- (b) directly by the Secretary of the Interior in states without approved programs-, or

"(c) any structure subject to the provisions of Chapter 64 (Historic District).

LOCAL ADMINISTRATOR" is the person appointed by the community to administer Resolution of the Board of Trustees of the Village 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 Enforcement Officer, or employee of an engineering department.

"In addition to needing a permit under this Chapter, the Historic District Review
Board, the Planning Board and/or the Zoning Board of Appeals may be required to
review the proposed development to ensure that the request conforms to other Chapters
in the Village Code of the Village of Cold Spring.

LOWEST FLOOR<sup>22</sup> means the lowest floor of the lowest enclosed area (including base-mentbasement 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 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 chapter Chapter.

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"MANUFACTURED HOME" means a structure, transportable in one (1) 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.

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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."

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NEW CONSTRUCTION<sup>22</sup> 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 fifty-one percent (51%) 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) <u>four hundred (400)</u> 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) r	not designed primarily for use as a permanent dwelling but as temporary living	
quarters for recreational, camping, travel, or seasonal use.		

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REGULATORY FLOODWAY<sup>22</sup> means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge thea 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 § 52-14B14 B of this chapter Chapter.

"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 one hundred eighty (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 buildingany combination of materials or anything constructed or erected, the use of which requires location on the ground or attachment to something having location on the ground, 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 <a href="fifty">fifty</a> (50) percent of the market value of the structure before the damage occurred.

§ 52-4 § 52-5

"SUBSTANTIAL IMPROVEMENT" means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds fifty (50) percent (50%) 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 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 an "Historic Structure," provided that the alteration will not preclude the structure's continued designation as an "Historic Structure."
- "VARIANCE" means a grant of relief from the requirements of this <a href="mailto:ehapterChapter">ehapterChapter</a> which permits construction or use in a manner that would otherwise be prohibited by this <a href="mailto:ehapterChapter">ehapterChapter</a>.

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

## § 52-5. Lands to which this local law applies.

This <u>chapterChapter</u> shall apply to all areas of special <u>floodFlood</u> hazard within the jurisdiction of the Village of Cold Spring, Putnam County.

<u>§ 52-6</u>

# § 52-6. Basis for establishing the areas of special flood hazard. [Amended 12-12-1989 by L.L. 03-1989]

The areas of special flood hazard for the Village of Cold Spring, Community Number 360670, are identified and defined on the following documents prepared by the Federal Emergency Management Agency:

(1)A. Flood Insurance Rate Map Panel Number:

36079C0087E

whose effective date is, March 4, 2013, and any subsequent revisions to these map panels that do not affect areas under our the community's jurisdiction.

<u>B.</u> (2)—A scientific and engineering report entitled "Flood Insurance Study, Putnam County, New York, All Jurisdictions" dated March 4, 2013 and any subsequent revisions.

The above documents are hereby adopted and declared to be a part of this Local Law. The Flood Insurance Study and/or maps are on file at: -the Village Office, 85 Main Street, Cold Spring, New York, and at www.FEMA.org.

## § 52-7. Interpretation and conflict with other laws.

- A. This <u>chapter Chapter</u> includes all revisions to the National Flood Insurance Program through <u>October 27, 1997 March 4, 2013</u> and shall supersede all previous laws adopted for the purpose of <u>floodFlood</u> damage prevention.
- B. In their interpretation and application, the provisions of this <u>chapterChapter</u> shall be held to be minimum requirements, adopted for the promotion of the public health, safety and welfare. Whenever the requirements of this <u>chapterChapter</u> 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.

## § 52-8. Severability.

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

§ 52-9

## § 52-9. Penalties for non-compliance.

No structure Structure in an area Area of special flood hazard Special Flood Hazard shall hereafterhereafter be constructed, located, extended, converted, or altered and no land shall be excavated or filled without full compliance 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 constitute a violation Violation. Any person who violates Violates this local law or fails to comply with any of its requirements shall, upon conviction thereof, be fined no more than \$\frac{\\$two hundred fifty dollars (\\$250)}{250} or imprisoned for not more than fifteen (15 days) or both. Each day of noncompliance shall be considered a separate offense. Nothing herein contained shall prevent the Village of Cold Spring 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 developerdeveloper and/or owner has not applied for and received an approved variance Variance under § 52-20 and § 52-21 will be declared non-compliant and notification notification sent to the Federal Emergency Management Agency (FEMA).

## § 52-10. Warning and disclaimer of liability.

The degree of <code>floodFlood</code> protection required by this <code>chapterChapter</code> is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger <code>floodsFloods</code> can and will occur on rare occasions. Flood heights may be increased by man-made or natural causes. This <code>chapterChapter</code> does not imply that land outside the areas of special <code>floodFlood</code> hazard or uses permitted within such areas will be free from <code>floodingFlooding</code> or <code>floodFlood</code> damages. This <code>chapterChapter</code> shall not create liability on the part of the Village of Cold Spring, any officer or employee thereof, or <code>the Federal Emergency Management AgencyFEMA</code> for any <code>floodFlood</code> damages that result from reliance on this <code>chapterChapter</code> or any administrative decision lawfully made thereunder.

#### § 52-11. Designation of the Local Administrator.

The Building Inspector Code Enforcement Officer is hereby appointed Local Administrator to administer and implement this chapter by granting or denying floodplain development permits Floodplain Development Permits in accordance with its provisions. In addition to needing a permit under this Chapter, the Historic District Review Board, the Planning Board and/or the Zoning Board of Appeals may be required to review the proposed Development to ensure that the request conforms to other Chapters in the Village Code of the Village of Cold Spring.

§ 52-12 § 52-13

# § 52-12. The <u>Floodplain Development Permit.</u> <del>floodplain development permit.</del>

#### A. Purpose.

A floodplain development permitFloodplain Development Permit is hereby established for all construction and other developmentDevelopment to be undertaken in areas of special floodFlood hazard in this community for the purpose of protecting its citizens from increased floodFlood hazards and insuringensuring that new developmentDevelopment is constructed in a manner that minimizes its exposure to floodingFlooding. It shall be unlawful to undertake any developmentDevelopment in an areaArea of special flood hazardSpecial Flood Hazard, as shown on the Flood Insurance Rate Map enumerated in § 52-6, without a valid floodplain development permit. ApplicationFloodplain 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, dimensionsdimensions, and elevationselevations of the area in question; existing or proposed structuresStructures, fill, storage of materials, drainage facilities, and the location of the foregoing.

#### B. Fees.

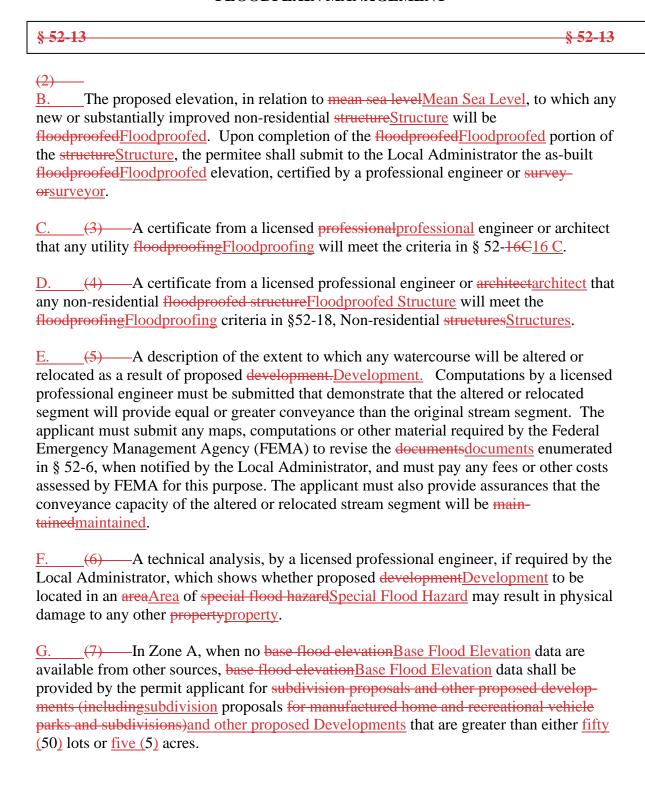
All applications for a floodplain development permitFloodplain Development Permit shall be accompanied by an application fee, which shall be set by the Village Board by resolution-in its Master Fee Schedule. In additionaddition, the applicant shall be responsible for reimbursing the Village of Cold Spring for any additional costs reasonable and necessary for review, inspection and approval of this project. The Local Administrator may require a deposit of no more than \$500.00 pursuant to cover these additional costs. Chapter 57.

## § 52-13. Application for a Permit.

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

A. (1)—The proposed elevation, in relation to mean sea level Mean Sea Level, of the lowest floor (including basement Basement or cellar Cellar) of any new or substantially substantially improved structure Structure to be located in Zones A1-A30, AE or AH, or Zone A if base flood elevation Base Flood Elevation data are available. Upon completion of the lowest floor Lowest Floor, the permitee shall submit to

the Local Administrator Administrator the as-built elevation elevation,	certified by a licensed
professional engineer or surveyor.	



§ 52-14 § 52-14

# § 52-14. Duties and responsibilities of the <u>Local Administrator</u>.

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 Floodplain Development Permit:

- (1) \_Review all applications for completeness, particularly with the requirements of § 52-13, Application for a permit, and for compliance with the provisions and standards of this law.
- (2) \_Review subdivision <u>site plans</u> and other proposed new <u>development</u>, <u>including</u> <u>manufactured home parksDevelopments</u> to <u>determinedetermine</u> whether proposed building sites will be reasonably safe from <u>floodingFlooding</u>. If a proposed building site is located in an <u>areaArea</u> of <u>special flood hazardSpecial Flood Hazard</u>, all <u>new constructionNew Construction</u> and <u>substantial improvementsSubstantial Improvements</u> shall meet the applicable standards of § 52-15 § 52-19, in particular, § 52-<u>15A15 A</u>, Subdivision proposals.
- (3) \_Determine whether any proposed <u>development Development</u> in an <u>area Area</u> of <u>special flood hazard Special Flood Hazard</u> may result in physical damage to any other property (e.g., stream bank erosion and increased <u>flood Flood</u> velocities). The Local <u>Administrator Administrator</u> may require the <u>applicant applicant</u> to submit additional technical analyses and data necessary to complete the determination.

If the proposed development Development may result in physical damage to any other property or fails to meet the requirements of § 52-15 - § 52-19, 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.

§ 52-14

- B. Use of other <del>flood</del>Flood data.
- (1) When the Federal Emergency Management Agency FEMA has designated areas of special flood 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 Floodway, the Local Administrator shall obtain, review and reasonably utilize any base flood elevation Base Flood Elevation and floodway Floodway data available from a Federal, State or other source, including data developed pursuant to § 52-13(7), G, as criteria for requiring that new construction, substantial improvements New Construction, Substantial Improvements or other proposed development Development meet the requirements of this chapter Chapter.
- (2) When base flood elevation 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 Flood Elevations within the areas of special flood hazard, for the purposes of this chapter Chapter.
- C. Alteration of watercourses.
- (l) Notification to adjacent communities and the New York State Department of Environmental Conservation prior to permitting any alteration or relocation of a watercourse, and submittal of <a href="evidence\_vidence">evidence\_vidence</a> of such notification to the <a href="Re-gional Regional">Regional Regional</a> Administrator, Region II, <a href="Federal Emergency Management AgencyFEMA">FEMA</a>.
- (2) Determine that the permit holder has provided for maintenancemaintenance within the altered or relocated portion of said watercourse so that the floodFlood carrying capacity is not diminished.

§ 52-14 § 52-14

- D. Construction stage.
- (1) In Zones A1-A30, AE and AH, and also Zone A if base flood elevationBase Flood Elevation data are available, upon placement of the lowest floorLowest Floor or completion of floodproofingFloodproofing of a new or substantiallysubstantially improved structureStructure, obtain from the permit holder a certification of the as-built elevation of the lowest floorLowest Floor or floodproofedFloodproofed elevation, in relation to mean sea level.Mean Sea Level. The certificate shall be prepared by or under the direct supervision supervision of a licensed land surveyor or professional 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 vehicleRecreational Vehicle if it remains on a site for one hundred eighty (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 eertification shall be at the permit holder's risk. The Local Administrator shall review all data submitted. Deficiencies 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 <a href="development\_Development">development\_Development</a> is in compliance with the <a href="requirements\_requirements">requirements</a> of the <a href="floodplain\_development\_permit\_Floodplain\_Development\_Permit\_permit\_

§ 52-14 § 52-14

F. Stop work orders.

- (1) The Local Administrator shall issue, or cause to be issued, a stop work order for any work order for any floodplain development Floodplain Development found ongoing without a development permit. Disregard Floodplain Development Permit. Disregard of a stop work order shall subject the violator to the penalties described in § 52-9 of this chapter Chapter.
- (2) The Local Administrator shall issue, or cause to be issued, a stop work order for any floodplain development Floodplain Development found non-compliant with the provisions of this law and/or the conditions of the development permit. Disregard Floodplain Development Permit. Disregard of a stop work order shall subject the violator to the penalties described in § 52-9 this chapter Chapter.
- G. Certificate of Compliance.
- (1) In areas of special floodFlood hazard, as determined by documents enumerated in §52-6, it shall be unlawful to occupy or to permit the use or occupancy of any buildingBuilding or premises, or both, or part thereof hereafter created, erectederected, changed, converted or wholly or partly altered or enlarged in its use or structureStructure until a eertificateCertificate of eomplianceCompliance has been issued by the Local Administrator stating that the buildingBuilding or land conforms to the requirements of this local law.
- (2) A <u>certificate Certificate</u> of <u>compliance Compliance</u> shall be issued by the Local Administrator upon satisfactory completion of all <u>development Development</u> in areas of special <u>floodFlood</u> hazard.
- (3) Issuance of the certificate shall be based upon the <u>inspections inspections</u> conducted as prescribed in § 52-14E14 E, Inspections, and/or any certified <u>elevationselevations</u>, hydraulic data, <u>floodproofingFloodproofing</u>, anchoring requirements or <u>encroachmentencroachment</u> analyses which may have been required as a condition of the approved permit.

§ 52-14 § 52-14

H. Information to be retained.

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

- (1) Floodplain <u>development permits Development Permits</u> and <u>certificates Certificates</u> of <u>compliance Compliance</u>;
- (2) Certifications of as-built <u>lowest floor Lowest Floor</u> elevations of <u>structures Structures</u>, required pursuant to § 52-<u>14D14 D(1)</u> and § 52-<u>14D14 D(2)</u>, and whether or not the <u>structures Structures</u> contain a <u>basementBasement</u>;
- (3) Floodproofing certificates required pursuant <u>§to §</u> 52-<u>14D14 D(1)</u>, and whether or not the <u>structures</u>Structures contain a <u>basement</u>Basement;
- (4) Variances Variances issued pursuant to § 52-20 and § 52-21; and,
- (5) Notices required under § 52-14C14 C, Alteration of watercourse.

§ 52-15

#### § 52-15. General standards.

The following standards apply to new <u>developmentDevelopment</u>, including new and substantially improved <u>structuresStructures</u>, in the areas of special <u>floodFlood</u> hazard shown on the Flood Insurance Rate Map designated in § 52-6.

#### 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 electrical and water systems shall be located and eonstructed so as to minimize flood damage; and
- (3) Adequate drainage shall be provided to reduce exposure to <u>floodFlood</u> damage.
- B. Encroachments.
- (1) Within Zones A1-A30 and AE, on streams without a regulatory floodway Regulatory Floodway, no new construction, substantial improvements 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 Development, when combined with all other existing and anticipated development Development, will not increase the water surface elevation of the base flood Base Flood more than one (1) foot at any location, or,
- (b) the Village of Cold Spring 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 Village of Cold Spring for all fees and other costs in relation to the application. The applicant must also provide all data, analyses and mapping and reimburse the Village of Cold Spring for all costs related to the final map revision.

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- (2) On streams with a regulatory floodway Regulatory Floodway, as shown on the Flood Boundary and Floodway Map or the Flood Insurance Rate Map adopted §\_52-6, no new construction, substantial improvements New Construction, Substantial Improvements or other development in the floodway 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 <u>any</u> increase in <u>floodFlood</u> levels during occurrence of the <u>base flood</u> Base Flood, or,
- (b) the Village of Cold Spring agrees to apply to the Federal Emergency Management Agency (FEMA) for a conditional FIRM and floodwayFloodway revision, FEMA approval is received and the applicant provides all necessary data, analyses and mapping and reimburses the Village of Cold Spring for all fees and other costs in relation to the applicationapplication. The applicant must also provide all data, analyses and mapping and reimburse the Village of Cold Spring for all costs related to the final map revisions.

# 52-16. Specific Standards for all Structures.

The following standards apply to new <u>development Development</u>, including new and substantially improved <u>structures Structures</u>, in the areas of special <u>floodFlood</u> hazard shown on the Flood Insurance Rate Map designated in § 52-6.

#### A. Anchoring.

(1) New <u>structuresStructures</u> and <u>substantial improvementSubstantial Improvement</u> to <u>structuresStructures</u> in areas of special <u>floodFlood</u> hazard shall be <u>anchoredanchored</u> to prevent <u>flotationflotation</u>, collapse, or <u>laterallateral</u> movement during <u>the base flood.</u> Base <u>Flood.</u> This requirement is in <u>additionaddition</u> to <u>applicableapplicable</u> State and local anchoring <u>requirements requirements</u> for resisting wind forces.

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- (2) Fuel tanks shall be anchored in accordance with FEMA's *Principles and Practices* for the Design and Construction of Flood Resistant Building Utility Systems, available online at www.fema.gov.
- B. Construction materials and methods.
- (l) New construction and substantial improvements Construction and Substantial Improvements to structures Structures shall be constructed with materials and utility equipment resistant to floodFlood damage.
- (2) New construction and substantial improvements Construction and Substantial Improvements to structures Structures shall be constructed using methods and practices that minimize flood damage.
- (3) For enclosed areas below the lowest floor of a structure Structure within Zones A1-A30, AE or AH, and also Zone A if base flood elevationBase Flood Elevation data are availableavailable, new and substantially improved structures Structures shall have fully enclosedenclosed areas below the lowest floorLowest Floor that are useableuseable solely for parking of vehicles, building vehicles, Building access or storage in an area other than a basement Basement and which are subject to floodingFlooding, designed to automatically equalize hydrostatic floodhydrostatic 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 professional engineer or architect or meet or exceed the following minimum criteriacriteria:
- (a) a minimum of two (2) openings having a total net -area of not less than one (1) square inch for -every square foot of enclosed area subject to flooding flooding; and,
- (b) the bottom of all such openings no higher than one (1) 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 <u>floodwatersFloodwaters</u>. Enclosed areas sub-grade on all sides are considered <u>basementsBasements</u> and are not permitted.

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## C. Utilities.

- (1) New and replacement electrical equipment, heating, ventilating, air conditioning, plumbing connections, and other service equipment shall be located at least two (2) feet above the base flood elevationBase Flood Elevation or be designed to prevent water from entering and accumulating within the components during a floodFlood and to resist hydrostatic and hydrodynamic loads and stresses. Electrical wiring and outlets, switches, junction boxes and panels shall also 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 floodFlood waters into the system;
- (3) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of <u>floodFlood</u> waters. Sanitary sewer and storm <u>drainagedrainage</u> systems for <u>buildingsBuildings</u> that have openings below <u>the base flood elevationBase Flood Elevation</u> shall be provided with <u>automatic automatic</u> backflow valves or other automatic backflow devices that are installed in each <u>dischargedischarge</u> line passing through a <u>building's Building's</u> exterior wall; and,
- (4) On-site waste disposal systems shall be <u>located</u> to avoid impairment to them or <u>contamination</u> contamination from them during <u>flooding</u>. Flooding.

<u>§ 52-17</u>

#### 52-17. Residential Structures.

§ structures.

#### A. Elevation.

The following standards apply to new and substantially improved residential structures located in areas of special flood hazard, in addition to the requirements ments requirements in § 52-15A15 A, Subdivision proposals, and § 52-15B15 B, Encroachments, and § 52-16, Specific Standards for all structures Structures.

- (1) Within Zones A1-A30, AE and AH and also Zone A if base flood elevation Base Flood Elevation data are available, new construction New Construction and substantial improvements Substantial Improvements shall have the lowest floor (including basement) elevated Lowest Floor (including Basement) elevated to or above two (2) feet above the base flood elevation Base Flood Elevation.
- (2) Within Zone A, when no base flood elevation Base Flood Elevation data are available, new construction available, New Construction and substantial improvements Substantial Improvements shall have the lowest floor (including basement) elevated Lowest Floor (including Basement) elevated at least three (3) feet above the highest adjacent gradeHighest Adjacent Grade.
- (3) Within Zone AO, new construction New Construction and substantial improvements Substantial Improvements shall have the lowest floor Lowest Floor (including basementBasement) elevated above the highest adjacent gradeHighest Adjacent Grade at least as high as two (2) feet above the depth number specified in feet on the community's Flood Insurance Rate Map enumerated § 52-6, (at least two (2) feet if no depth number is specified specified).
- (4) Within Zones AH and AO, adequate drainage paths are required to guide floodFlood waters around and away from proposed structuresStructures on slopes.

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### § 52-18. Non-Residential structures Structures.

The following standards apply to new and substantially improved commercial, industrial and other non-residential structures Structures located in areas of special floodFlood hazard, in addition to the requirements in § 52-15A15 A, Subdivision proposals, and § 52-15B15 B, Encroachments, and § 52-16, Specific Standards for all structures Structures.

- (1)—A. Within Zones A1-A30, AE and AH, and also Zone A if base flood elevation Base Flood Elevation data are available, new construction New Construction and substantial improvements Substantial Improvements of any non-residential structure shall either:
- (a1) have the <u>lowest floorLowest Floor</u>, including <u>basementBasement</u> or <u>cellarCellar</u>, elevated to or above two (2) feet above the <u>base flood elevationBase Flood Elevation</u>; or
- (b2) be floodproofed so that the structure is watertight watertight below two (2) feet above the base flood elevationBase Flood Elevation, including attendant utility and sanitary facilities, with walls substantially impermeable to the passage of water. All structural components located below the base floodBase Flood level must be capable of resisting hydrostatic and hydrodynamic loads and the effectseffects of buoyancy.
- <u>B.</u> (2) Within Zone AO, new construction New Construction and substantial improvements Substantial Improvements of non-residential structures Structures shall:
- (1) have the lowest floor (including basement Basement) elevated above the highest adjacent grade Highest Adjacent Grade at least as high as two (2) feet above the depth number specified in feet on the community's FIRM (at least two (2) 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 Floodproofing standard specified in § 52-18(1)(b).
- C. (3) —If the <u>structureStructure</u> is to be <u>floodproofedFloodproofed</u>, a licensed <u>professionalprofessional</u> engineer or architect shall develop and/or review <u>structuralstructural</u> design, specifications, and plans for <u>construction.construction</u>. A <u>FloodproofingFloodproofing</u> Certificate or other certification shall be provided to the Local <u>AdministratorAdministrator</u> that certifies the design and methods of construction are in accordance with <u>accepted accepted</u> standards of <u>practice practice</u> for meeting the provisions §\_52-18(1)(b), including the specific elevation (in relation to <u>mean sea levelMean Sea</u>

<u>Level</u>) to which the <u>structure</u> is to be <u>floodproofed</u>.

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- (4) D. Within Zones AH and AO, adequate drainage paths are required to guide floodFlood waters around and away from proposed structures on slopes.
- (5)<u>E.</u> Within Zone A, when no <u>base flood elevation</u> <u>Base Flood Elevation</u> data are available, the <u>lowest floor</u> (including <u>basement</u>) shall be elevated at least three (3) feet above the highest adjacent grade.

## § 52-19. Manufactured homes and recreational vehicles Recreational Vehicles.

The following standards in addition to the standards in §\_52-15, General standards, and §\_52-16, Specific Standards for all structuresStructures, apply, as indicated, in areas of special floodFlood hazard to manufactured homes and to recreational vehicles which are located in areas of special floodFlood hazard.

- A. (1) Recreational <u>vehicles</u> placed on sites within Zones A1-A30, AE and AH shall <u>either</u>:
- (a1) be on site fewer than one hundred eighty (180) consecutive days, and
- (b2) be fully licensed and ready for highway use, or.
- (c) meet the requirements for manufactured homes in §52-19(2), (3), (4).

#### A recreational vehicle

<u>A Recreational Vehicle</u> 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 <u>permanently</u> 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 two feet above the depth number specified on the Flood Insurance Rate Map enumerated in §52-6 (at least two feet if no depth number is specified).

§ 52-20 § 52-20

## § 52-20. Appeals Board.

- A. The Zoning Board of Appeals as established by the Village of Cold Spring shall hear and decide appeals Appeals and requests for variances Variances from the requirements of this chapter Chapter.
- B. The Zoning Board of Appeals shall hear and decide appeals 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 chapter Chapter.
- C. Those aggrieved by the decision of the Zoning Board of Appeals, may appeal 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 Zoning Board of Appeals, shall consider all technical evaluations, all relevant factors, standards specified in other sections of this <a href="mailto:ehapterChapter">ehapterChapter</a> and:
- (1) the danger that materials may be swept onto other lands to the injury of others;
- (2) the danger to life and property due to flooding or erosion damage;
- (3) the susceptibility of the proposed facility and its contents to <u>floodFlood</u> 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;

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(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 floodFlood for ordinary and emergency vehicles;
- (10) the costs to local governments and the dangers associated with conducting search and rescue operations during periods of floodingFlooding;
- (11) the expected heights, velocity, duration, rate of rise and sediment transport of the floodwaters Floodwaters and the effects of wave action, if applicable, expected at the site;
- (12) the costs of providing governmental services during and after floodFlood 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 § 52-20D20 D and the purposes of this chapter Chapter, the Zoning Board of Appeals may attach such conditions to the granting of variances Variances as it deems necessary to further the purposes of this chapter Chapter.
- F. The Local Administrator shall maintain the records of all <u>appeal Appeal</u> actions, including technical information, and report any <u>variances Variances</u> to <u>the Federal Emergency Management Agency FEMA</u> upon request.

§ 52-21

#### § 52-21. Conditions for variances Variances.

A. Generally, <u>variances Variances</u> may be issued for <u>new construction New Construction</u> and <u>substantial improvements Substantial Improvements</u> to be erected on a lot of one-half (1/2) acre or less in size contiguous to and surrounded by lots with existing

structures constructed below the base flood level, providing items (1)-(12) in § 52-20D20 D have been fully considered considered. As the lot size increases beyond the one-half (1/2) acre, the technical justification required for issuing the variance variance increases.

- B. Variances may be issued for the repair or rehabilitation of historic structures Historic Structures upon determination that:
- (1) the proposed repair or rehabilitation will not preclude the <u>structure's Structure's</u> continued designation as <u>aan</u> "Historic <u>structure Structure"</u>; and
- (2) the <u>variance Variance</u> is the minimum necessary to preserve the historic character and design of the <u>structure Structure</u>.
- C. Variances may be issued by a community for new construction New Construction and substantial improvements Substantial Improvements and for other development Development necessary for the conduct of a functionally dependent use Functionally Dependent Use, provided that:
- (1) Thethe criteria of Subsections A, D, E and F of this section are met.; and
- (2) The structure or other development is protected by methods that minimize floodFlood damages during the base flood and create no additional threat to public safety.
- D. Variances shall not be issued within any designated <u>floodwayFloodway</u> if any increase in <u>floodFlood</u> levels during the <u>base floodBase Flood</u> discharge would result.
- E. Variances shall only be issued upon a determination that the <u>varianceVariance</u> is the minimum necessary, considering the <u>floodFlood</u> hazard, to afford relief.

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- 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 <u>variance Variance</u> would result in exceptional hardship to the applicant; and
- (3) a determination that the granting of a <u>variance Variance</u> will not result in increased <u>floodFlood</u> 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.
- G. Any applicant to whom a <u>variance Variance</u> is granted for a <u>building Building</u> with the <u>lowest floor Lowest Floor</u> below the <u>base flood elevation Base Flood Elevation</u> shall be given written notice over the <u>signature signature</u> of a community official that
- the issuance of a <u>variance Variance</u> to construct a <u>structure Structure</u> below the <u>base flood Base Flood</u> level will result in increased premium rates for <u>floodFlood</u> insurance <u>up to amounts as high as \$25 for \$100 of insurance coverage;</u> and
- (2) such construction below the base flood level increases risks to life and property.

Such notification shall be maintained with the record of all <u>variance Variance</u> actions as required in § 52-14H14 H of this <u>chapter Chapter</u>.