

Councilman DENTY introduced the following
ORDINANCE:

ORDINANCE NO Flood Control # 002

AN ORDINANCE PROVIDING FOR
FLOOD DAMAGE PREVENTION

BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF
VINCENT, ALABAMA, AS FOLLOWS:

WHEREAS, certain areas of Vincent, Alabama, are subject
to periodic flooding, mudslides, (i.e. mudflows), or flood-
related erosion, causing serious damages to properties within
these areas and

WHEREAS, relief is available in the form of Federrally
subsidized flood insurance as authorized by the National Flood
Insurance Act of 1968; and

WHEREAS, it is the intent of this Vincent Town Council
to require the recognition and evaluation of flood, mudslide
(i.e. mudflow), or flood-related erosion hazards in all official
actions relating to land use in areas having these hazards; and

WHEREAS, this body has the legal authority to adopt
land use and control measures to reduce future flood losses
pursant to Code of Alabama 11-52-6.

NOW, THEREFORE, BE IT RESOLVED that this Vincent
Town Council hereby:

1. Assures the Federal Insurance Administration that
that it will enact as necessary, and maintain in force in those
areas having flood, mudslide (i.e. mudflow), or flood-related
erosion hazards, adequate land use and control measures with
effective enforcement provisions consistent with the Criteria
set forth in Section 1910 of the National Flood Insurance
Program Regulations; and

2. Vests the Town of Vincent with the responsibility,
authority, and means to:

a. Assist the Administrator, at his request, in his
delineation of the limits of the area having special flood,
mudslide (i.e. mudflow), or flood-related erosion hazards.



b. Provide such information as the Administrator may request concerning present uses and occupancy of the flood plain, mudslide (i.e. mudflow) or flood-related erosion areas.

c. Cooperate with Federal, State, and local agencies and private firms which undertake to study, survey, map and identify flood plain, mudslide (i.e. mudflow), or flood-related erosion areas, and cooperate with neighboring communities with respect to management of adjoining flood plain, mudslide (i.e. mudflow) and/or flood-related erosion areas in order to prevent aggravation of existing hazards.

d. Submit on the anniversary date of the community's initial eligibility an annual report to the Administrator on the progress made during the past year within the community in the development and implementation of flood plain management measures.

e. Upon occurrence, notify the Administrator in writing whenever the boundaries of the community have been modified by annexation or the community has otherwise assumed or no longer has authority to adopt and enforce flood plain management regulations for a particular area. In order that all Flood Hazard Boundary Maps and Flood Insurance Rate Maps accurately represents the community's boundaries, include within such notification a copy of a map of the community suitable for reproduction, clearly delineating the new corporate limits or new area for which the community has assumed or relinquished flood plain management regulatory authority.

3. Appoints the Town of Vincent to maintain for public inspection and to furnish upon request, for the determination of applicable flood insurance risk premium rates within all areas having special flood hazards identified

on a Flood Hazard Boundary Map or Flood Insurance Rate Map, any certificate of flood-proofing and information on the elevation (in relation to mean sea level) of the level of the lowest habitable floor (including basement if habitable) of all new or substantially improved structures, and include whether or not such structures contain a basement, and if the structure has been floodproofed the elevation (in relation to mean sea level) to which the structure was floodproofed;

4. Agrees to take such other official action as may be reasonably necessary to carry out the objectives of the program.

ADOPTED AND APPROVED THIS THE 7th
DAY OF April 1981.

Pat H. Greene
Mayor

ATTEST:
Frances E. Spates
Town Clerk

ARTICLE 1. STATUTORY AUTHORIZATION, FINDINGS OR FACT, PURPOSE AND OBJECTIVES

SECTION A. STATUTORY AUTHORIZATION

The Legislature of the State of Alabama has in Title 11, Chapter 52, Sections 1 through 84 and Title 41, Chapter 9, Section 166, of the Code of Alabama 1975 delegated the responsibility to local governmental units to adopt regulations designed to promote the public health, safety, and general welfare of its citizenry. Therefore, the _____ (governing body) of _____, _____ does ordain as follows: (local unit) (state)

SECTION B. FINDINGS OF FACT

(1) The flood hazard areas of _____ are subject (local unit) to periodic inundation which results in property, health and safety hazards and impairment of the tax base, all of which adversely affect the public health, safety and general welfare.

(2) These flood hazards can be intensified and increased by the cumulative effect of obstructions in flood plains causing increases in flood heights and velocities, and by the the occupancy in flood hazard areas by uses vulnerable to floods or hazardous to other lands which are inadequately elevated, flood-proofed, or otherwise unprotected from flood damages.

SECTION C. STATEMENT OF PURPOSE

It is the purpose of this ordinance 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) restrict or prohibit 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 flood plains, stream channels, and natural protective barriers which are involved in the accomodation of flood waters; (4) control filling, grading, dredging and other development which may increase erosion or flood damage; and, (5) prevent or regulate the construction of flood barriers which will unnaturally divert flood waters or which may increase flood hazards to other lands.

SECTION D. OBJECTIVES

The objectives of this ordinance 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 and sewer lines, streets and bridges located in flood plains;
- (6) to help maintain a stable tax base by providing for the sound use and development of flood prone areas in such a manner as to minimize future flood blight areas; and,
- (7) to insure that potential home buyers are notified that property is in a flood area.

ARTICLE 2. DEFINITIONS

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

"Appeal" means a request for a review of the _____'s
(local administrator)

interpretation of any provision of this ordinance or a request for a variance.

"Area of special flood hazard" is the land in the flood plain within a community subject to a one percent or greater chance of flooding in any given year. "Base flood" means the flood having a one percent chance of being equalled or exceeded in any given year.

"Development" means any man-made change to improved or

unimproved real estate, including, but not limited to, buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations.

"Existing mobile home park or mobile home subdivision" means a parcel (or contiguous parcels) of land divided into two or more mobile home lots for rent or sale for which the construction of facilities for servicing the lot on which the mobile home is to be affixed (including, at a minimum, the installation of utilities, either final site grading or the pouring of concrete pads, and the construction of streets) is completed before the effective date of this ordinance.

"Expansion to an existing mobile home park or mobile home subdivision" means the preparation of additional sites by the construction of facilities for servicing the lots on which the mobile homes are to be affixed (including the installation of utilities, either final site grading or pouring of concrete pads, or the construction of streets).

"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 of runoff of surface waters from any source.

"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 as Zone A.

"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 Federal Emergency Management Agency. The report contains flood profiles, as well as the Flood Boundary-Floodway Map and the water surface elevation of the base flood.

"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 one foot.

"Floor" means any floor (including basement) usable for living purposes, which include working, sleeping, eating, cooking or recreation, or a combination thereof.

"Highest Adjacent Grade" means the highest natural elevation of the ground surface, prior to construction, next to the proposed walls of a structure.

"Mean Sea Level" means the average height of the sea for all stages of the tide. It is used as a reference for establishing various elevations within the floodplain. For purposes of this ordinance, the term is synonymous with National Geodetic Vertical Datum (NGVD).

"Mobile 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. It does not include recreational vehicles or travel trailers.

"National Geodetic Vertical Datum (NGVD)" as corrected in 1929 is a vertical control used as a reference for establishing varying elevations within the floodplain.

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

"New mobile home park or mobile home subdivision" means a parcel or contiguous parcels of land divided into two or more mobile home lots for rent or sale for which the construction of facilities for servicing the lot on which the mobile home is to be affixed (including, at a minimum, the installation of utilities, either final site grading or the pouring of concrete pads, and the construction of streets) is completed on or after the effective date of this ordinance.

"Start of construction" means the first placement of permanent construction of a structure (other than a mobile home) on a site, such as the pouring of slabs or footings or any work beyond the stage of excavation, including the relocation of a structure. Permanent construction does not include the installation of streets and/or walkways; nor does it include excavation for a basement, footings, piers or foundations or the

erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not a part of the main structure. For a structure (other than a mobile home) without a basement or poured footings, the "start of construction" includes the first permanent framing or assembly of the structure or any part thereof on its piling or foundation. For mobile homes not within a mobile home park or mobile home subdivision, "start of construction" means the affixing of the mobile home to its permanent site. For mobile homes within mobile home parks or mobile home subdivisions, "start of construction" is the date on which the construction of facilities for servicing the site on which the mobile home is to be affixed (including, at a minimum, the construction of streets, either final site grading or the pouring of concrete pads and installation of utilities) is completed.

"Structure" means a walled and roofed building that is principally above ground, as well as a mobile home.

"Substantial improvement" means, any repair, reconstruction, or improvement of a structure, the cost of which equals or exceeds fifty percent of the market value of the structure, 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 occur 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 health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions, or (2) any alteration of a structure listed on the National Register of Historic Places or a State Inventory of Historic Places.

"Variance" is a grant of relief to a person from the requirements of this ordinance which permits construction in a manner otherwise prohibited by this ordinance where specific enforcement would result in unnecessary hardship.

ARTICLE 3. GENERAL PROVISIONS

SECTION A. LANDS TO WHICH THIS ORDINANCE APPLIES

This ordinance shall apply to all areas of special flood hazard within the jurisdiction of _____.

(local unit)

SECTION B. BASIS FOR ESTABLISHING THE AREAS OF SPECIAL FLOOD HAZARD

The areas of special flood hazard identified by the Federal Emergency Management Agency in its _____

_____ and any revision thereto are adopted by reference and declared to be a part of this ordinance.

SECTION C. ESTABLISHMENT OF DEVELOPMENT PERMIT

A Development Permit shall be required in conformance with the provisions of this ordinance prior to the commencement of any development activities.

SECTION D. COMPLIANCE

No structure or land shall hereafter be located, extended, converted, or structurally altered without full compliance with the terms of this ordinance and other applicable regulations.

SECTION E. ABROGATION AND GREATER RESTRICTIONS

This ordinance is not intended to repeal, abrogate, or impair any existing easements, covenants, or deed restrictions. However, where this ordinance and another conflict or overlap, whichever imposed the more stringent restrictions shall prevail.

SECTION F. INTERPRETATION

In the interpretation and application of this ordinance all provisions shall be: (1) considered as minimum requirements; (2) liberally construed in favor of the governing body; and, (3) deemed neither to limit nor repeal any other powers granted under state statutes.

SECTION G. WARNING AND DISCLAIMER OF LIABILITY

The degree of flood protection required by this ordinance 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 ordinance does not imply that land outside the areas of special flood hazard or uses permitted within such areas will be free from flooding or flood damages. This ordinance shall not create liability on the part of _____ or by any officer or employee thereof

(local unit)

for any flood damages that result from reliance on this ordinance or any administrative decision lawfully made thereunder.

SECTION H. PENALTIES FOR VIOLATION

Violation of the provisions of this ordinance or failure to comply with any of its requirements, including violation of conditions and safeguards established in connection with grants of variance or special exceptions, shall constitute a misdemeanor. Any person who violates this ordinance or fails to comply with any of its requirements shall, upon conviction thereof, be fined not more than \$ _____ or imprisoned for not more than _____ days, or both, and in addition shall pay all costs and expenses involved in the case. Each day such violation continues shall be considered a separate offense. Nothing herein contained shall prevent the _____ from taking such other

(local unit)

lawful action as is necessary to prevent or remedy any violation.

ARTICLE 4. ADMINISTRATION

SECTION A. DESIGNATION OF _____

(local administrator)

The _____ is hereby appointed to administer

(local administrator)

and implement the provisions of this ordinance.

SECTION B. PERMIT PROCEDURES

Application for a Development Permit shall be made to the _____ on forms furnished by him, prior

(local administrator)

to any development activities, and may include, but not be limited to, the following plans in duplicate drawn to scale 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. Specifically, the following information is required:

- (1) Elevation in relation to mean sea level of the proposed lowest floor (including basement) of all structures
- (2) Elevation in relation to mean sea level to which any non-residential structure will be flood-proofed
- (3) Provide a certificate from a registered professional engineer or architect that the non-residential flood-proofed structure meets the flood-proofing criteria in Article 5, Section B(2).
- (4) Description of the extent to which any watercourse will be altered or relocated as a result of proposed development.
- (5) Provide a flood elevation or floodproofing certification after the lowest floor is completed. Within twenty one calendar days of establishment of the lowest floor elevation, or floodproofing by whatever construction means, it shall be the duty of the permit holder to submit to the _____ a certification

(local administrator)

of the elevation of the lowest floor, floodproofed elevation, or the elevation of the lowest portion of the horizontal structural members of the lowest floor, whichever is applicable, as built, in relation to mean sea level. Said certification shall be prepared by or under the direct supervision of a registered land surveyor or professional engineer and certified by same. When floodproofing is utilized for a particular building, said certification shall be prepared by or under the direct supervision of a professional engineer or architect and certified by same. Any work done within the twenty one day calendar period and prior to submission of the certification shall be at the permit holder's risk. The _____ shall

(local administrator)

review the Flood Elevation Survey data submitted. Deficiencies detected by such review shall be corrected by the permit holder immediately and prior to further

progressive work being permitted to proceed. Failure to submit the survey or failure to make said corrections required hereby, shall be cause to issue a stop-work order for the project.

SECTION C. DUTIES AND RESPONSIBILITIES OF THE

_____ (local administrator)

Duties of the _____ shall include, but not be

(local administrator)

limited to:

- (1) Review all development permits to assure that the permit requirements of this ordinance have been satisfied.
- (2) Advise permittee that additional federal or state permits may be required, and if specific federal or state permits are known, require that copies of such permits be provided and maintained on file with the development permit.
- (3) Notify adjacent communities and the Alabama Department of Economic and Community Affairs prior to any alteration or relocation of a watercourse, and submit evidence of such notification to the Federal Emergency Management Agency.
- (4) Assure that maintenance is provided within the altered or relocated portion of said watercourse so that the flood carrying capacity is not diminished.
- (5) Verify and record the actual elevation (in relation to mean sea level) of the lowest floor (including basement) of all new or substantially improved structures, in accordance with Article 4, Section B. (5). Verification may be accomplished by obtaining a statement on as-built elevations certified by the engineer or land surveyor which supplied the initial elevations for the applicant.
- (6) Verify and record the actual elevation (in relation to mean sea level) to which the new or substantially improved structures have been floodproofed, in accordance with Article 4, Section B.(5). Verification may be accomplished by obtaining a statement on as-built elevations certified by the engineer or surveyor which supplied the initial elevations for the applicant.

- (7) When flood-proofing is utilized for a particular structure, the _____ shall obtain
(local administrator)
certification from a registered professional engineer or architect.
- (8) Where interpretation is needed as to the exact location of the boundaries of the areas of special flood hazard (for example, where there appears to be a conflict between a mapped boundary and actual field conditions) the _____ shall make the
(local administrator)
necessary interpretation. The person contesting the location of the boundary shall be given a reasonable opportunity to appeal the interpretation as provided in this article.
- (9) When base flood elevation data has not been provided in accordance with Article 3, Section B, then the _____ shall obtain, review, and reasonably utilize any base flood elevation data available from a federal, state or other source, in order to administer the provisions of Article 5.
- (10) All records pertaining to the provisions of this ordinance shall be maintained in the office of the _____ and shall be open for public inspection.

SECTION D. VARIANCE PROCEDURES

- (1) The _____ as established by
(appeal board)
_____ shall hear and decide
appeals and requests for variances from the requirements of this ordinance.
- (2) The _____ shall hear and decide
(appeal board)
appeals when it is alleged there is an error in any requirement, decision, or determination made by the _____ in the enforcement or
(local administrator)

administration of this ordinance.

- (3) Any person aggrieved by the decision of the _____, or any taxpayer may appeal such (appeal board) decision to the _____ (name of appropriate court) as provided in _____ (statute).
- (4) Variances may be issued for the reconstruction, rehabilitation or restoration of structures listed on the National Register of Historic Places or the State Inventory of Historic Places without regard to the procedures set forth in the remainder of this section.
- (5) In passing upon such applications, the _____ (appeal board) shall consider all technical evaluations, all relevant factors, all standards specified in other sections of this ordinance, and:
- (a) the danger that materials may be swept onto other lands to the injury of others;
 - (b) the danger to life and property due to flooding or erosion damage;
 - (c) the susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner;
 - (d) the importance of the services provided by the proposed facility to the community;
 - (e) the necessity to the facility of a waterfront location, where applicable;
 - (f) the availability of alternative locations, not subject to flooding or erosion damage, for the proposed use;
 - (g) the compatability of the proposed use with existing and anticipated development;
 - (h) the relationship of the proposed use to the comprehensive plan and flood plain management program for that area;

- (i) the safety of access to the property in times of flood for ordinary and emergency vehicles;
- (j) the expected heights, velocity, duration, rate of rise and sediment transport of the flood waters expected at the site; and,
- (k) the costs of providing governmental services during and after flood conditions including maintenance and repair of public utilities and facilities such as sewer, gas, electrical, and water systems, and streets and bridges.

(6) Upon consideration of the factors listed above and the purposes of this ordinance, the _____
(appeal board)

may attach such conditions to the granting of variances as it deems necessary to further the purposes of this ordinance.

(7) Variances shall not be issued within any designated floodway if any increase in flood levels during the base flood discharge would result.

(8) Conditions for Variances:

(a) Variances shall only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.

(b) Variances shall only be issued upon (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 nuisance, cause fraud on or victimization of the public, or conflict with existing local laws or ordinances.

(c) Any applicant to whom a variance is granted shall be given written notice specifying the difference between the base flood elevation and the elevation to which the structure is to be built and stating that the cost of flood insurance will be commensurate

with the increased risk resulting from the reduced lowest floor elevation.

- (d) The _____ shall maintain
(local administrator)
the records of all appeal actions and report any variances to the Federal Emergency Management Agency upon request.

ARTICLE 5. PROVISIONS FOR FLOOD HAZARD REDUCTION

Section A. GENERAL STANDARDS

In all areas of special flood hazard the following provisions are required:

- (1) All new construction and substantial improvements shall be anchored to prevent flotation, collapse or lateral movement of the structure.
- (2) All new construction and substantial improvements shall be constructed with materials and utility equipment resistant to flood damage.
- (3) All new construction or substantial improvements shall be constructed by methods and practices that minimize flood damage.
- (4) All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system.
- (5) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharges from the systems into flood waters.
- (6) On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.
- (7) Any alteration, repair, reconstruction, or improvements to a structure which is in compliance with the provisions of this ordinance, shall meet the requirements of "new construction" as contained in this ordinance.

SECTION B. SPECIFIC STANDARDS

In all areas of special flood hazard where base flood elevation data has been provided, as set forth in Article 3, Section B, or

Article 4, Section C (11), the following provisions are required:

- (1) Residential Construction - New construction or substantial improvement of any residential structure shall have the lowest floor, including basement, elevated to or above base flood elevation.
- (2) Non-residential Construction - New construction or substantial improvement of any commercial, industrial or other non-residential structure shall either have the lowest floor, including basement, elevated to the level of the base flood elevation or, together with attendant utility and sanitary facilities, be flood-proofed so that below the base flood level the structure is water tight and with walls substantially impermeable to the passage of water and with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. A registered professional engineer or architect shall certify that the standards of this subsection are satisfied. Such certification shall be provided to the official as set forth in Article 4, Section B(3).
- (3) Mobile Homes
 - (a) No mobile home shall be placed in a floodway except in an existing mobile home park or existing mobile home subdivision.
 - (b) All mobile homes shall be anchored to resist flotation, collapse, or lateral movement by providing over-the-top and frame ties to ground anchors. Specific requirements shall be that:
 - (i) over-the-top ties be provided at each end of the mobile home, with one additional tie per side at an intermediate location on mobile homes of less than fifty feet and one additional tie per side for mobile homes of fifty feet or more.
 - (ii) frame ties be provided at each corner of the home with four additional ties per

side at intermediate points for mobile homes less than fifty feet long and one additional tie for mobile homes of fifty feet or longer;

(iii) all components of the anchoring system be capable of carrying a force of 4,800 pounds; and,

(iv) any additions to the mobile home be similarly anchored.

(c) For new mobile home parks and subdivisions; for existing mobile home parks and subdivisions; for existing mobile parks and subdivisions where the repair, reconstruction or improvement of the streets, utilities and pads equal or exceed fifty percent of value of the streets, utilities and pads before the repair, reconstruction or improvement has commenced; and, for mobile homes not placed in a mobile home park or subdivision require:

(i) stands or lots are elevated on compacted fill or on pilings so that the lowest floor of the mobile home will be at or above the base flood level;

(ii) adequate surface drainage and access for a hauler are provided; and

(iii) in the instance of elevation on pilings:
(1) lots are large enough to permit steps;
(2) piling foundations are placed in stable soil no more than ten feet apart; and (3) reinforcement is provided for pilings more than six feet above the ground level.

(4) Floodways - Located within areas of special flood hazard established in Article 3, Section B, are areas designated as floodways. Since the floodway is an extremely hazardous area due to the velocity of flood waters which carry debris, potential projectiles and has erosion potential, the following provisions shall apply:

(a) Prohibit encroachments, including fill, new construction substantial improvements and other developments unless certification by a registered professional engineer is provided demonstrating that encroachments shall not result in any increase in flood levels during occurrence of the base flood discharge.

(b) If Article 5, Section B(4)(a), is satisfied, all new construction and substantial improvements shall comply with all applicable flood hazard reduction provisions of Article 5.

(c) Prohibit the placement of any mobile homes, except in an existing mobile home park or existing mobile home subdivision.

SECTION C. STANDARDS FOR 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 hazards.
- (4) Base flood elevation data shall be provided for subdivision proposals and other proposed development which is greater than the lesser of fifty lots or five acres.

SECTION D. STANDARDS FOR SMALL STREAMS

Located within the areas of special flood hazard established in Article 3, Section B., where small streams exist but where no base flood data has been provided or where no floodways have been provided, the following provisions apply:

- (1) No encroachments, including fill material or structures shall be located within a distance of the stream bank equal to five (5) times the width of the stream at the top of bank or twenty feet on each side from top of bank, whichever is greater, unless certification by a registered professional engineer is provided demonstrating that such encroachments shall not result in any increase in flood levels during the occurrence of the base flood

discharge.

- (2) New construction or substantial improvements of structures shall be elevated or floodproofed in accordance with elevations established in accordance with Article 4, Section C, (11).