

TELLICO RESERVOIR DEVELOPMENT AGENCY
RESOLUTION TO PROVIDE FOR THE CONTROL OF
STORM WATER RUNOFF

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE TELLICO RESERVOIR DEVELOPMENT AGENCY:

SECTION 1: Title. This resolution may be cited as the Storm Water Detention resolution.

SECTION 2. Purpose.

This resolution is adopted for the purpose of:

- A. Minimizing increases in the peak flow rates of storm water runoff caused by urban development of water sheds within the Tellico Project area.
- B. Establishing procedures through which the purpose can be fulfilled.

SECTION 3: Definitions.

Main Stream: A stream on which floods are controlled by the Tennessee Valley Authority's reservoir system.

Ten year frequency flood: A flood with a 10 per cent chance of being equally or exceeded in any given year.

SECTION 4: Scope and Exclusions. This ordinance shall apply to road construction, commercial, industrial, educational, institutional, and recreational developments of one (1) acre or more; multi-family residential developments of two (2) acres or more; and single family residential developments of five (5) lots or more.

If in the developer's judgement, temporary storm water storage is either unwarranted or impractical, hydrologic and hydraulic computations to support such a conclusion must be furnished to the Tellico Reservoir Development Agency (TRDA).

Where the developments storm drainage system outfall is directly into a main stream at the property line neither detention

facilities nor engineering computations in justification are ordinarily required; a written statement that detention storage is not required for that reason is adequate for submittal to TRDA for approval.

SECTION 5: Hydrologic and Hydraulic Computations. All hydrologic and hydraulic computations utilized in the design of storm water detention facilities must be prepared by a registered engineer proficient in the field of hydrology and hydraulics and licensed in the State of Tennessee.

The required hydrologic and hydraulic computations shall be in accordance with the procedures outlined in the United States Department of Agriculture, Soil Conservation Service Technical Release No. 55 entitled "Urban Hydrology & Small Watersheds", June, 1986, and all subsequent revisions thereto. Other computational procedures may be employed if approved by the Tellico Reservoir Development Agency.

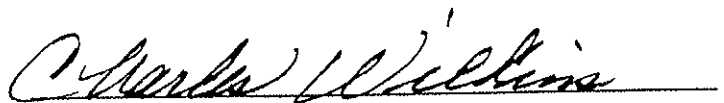
SECTION 6: Standards for Storm Water Detention. The calculated peak of storm water runoff resulting from a ten (10) year runoff frequency twenty-four (24) hour duration flood shall be no greater after development of the site than that which would result from a ten (10) year return frequency twenty-four (24) hour duration flood on the same site prior to development of the site.

Adequate attention must be given to safety and sanitation in the design of detention facility. Sufficient information shall be shown on the plat to provide proper construction on the facility. Sufficient design information to show that the facility will operate as required will be provided to the Tellico Reservoir

Development Agency for review. This shall include the existing or before development peak discharge, the after development peak discharge, and volume of runoff based on the proposed development, all necessary computations used to determine the reduced peak flow, as well as a listing of credentials of qualified personnel making computations. The capacity of the facility shall be sufficient to control the volume of storm water runoff resulting from a ten (10) year frequency twenty-four (24) hour duration flood within peak rate of flow requirements stated above. The maintenance of the storm water detention facilities will be responsibility of the developer or home association and/or property owner.

Adequate erosion and sediment control measures shall be employed during the developments construction phase to insure that the storm drainage and detention facilities perform as designed.

Adopted this September 20, 1989.

A handwritten signature in cursive script, reading "Charles Williams", written over a horizontal line.

Chairman of the Board