

ORDINANCE NO. 2005-11-233

**AN ORDINANCE ADOPTING BY REFERENCE A CERTAIN TECHNICAL CODE ENTITLED "CITY OF TONTITOWN, ARKANSAS DRAINAGE CRITERIA MANUAL" FOR THE CITY OF TONTITOWN, ARKANSAS;**


**WHEREAS**, pursuant to A. C. A. §14-55-207, public notice was given of the City's intent to adopt said technical code by reference, and advised that copies of the document were on file in the Office of the Recorder – Treasurer, and were available for public review and examination; and,

**WHEREAS**, all comments, views, suggestions and recommendations have been considered and addressed.


**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF TONTITOWN, ARKANSAS, AS FOLLOWS:**

**SECTION 1:** That the document entitled "City of Tontitown, Arkansas Drainage Criteria Manual", be and is hereby adopted by reference.


**SECTION 2:** That all ordinance and parts of ordinances in conflict herewith, to the extent of such conflict, are hereby repealed.

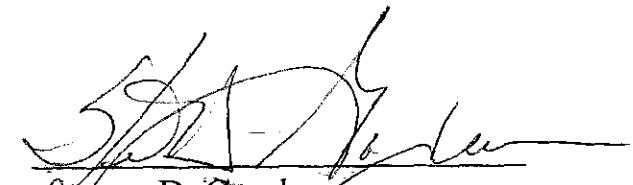
  
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Fee Amt: \$14.00 Page 1 of 3  
Washington County, AR  
Bette Stamps Circuit Clerk  
File **2005-00049694**

PASSED AND APPROVED this 1 day of November, 2005

  
\_\_\_\_\_  
Paul Maestri, Mayor

ATTEST:

  
\_\_\_\_\_  
Toni Zulpo,  
Recorder / Treasurer

  
\_\_\_\_\_  
Steven D. Gunderson,  
City Attorney

SPONSORED BY:

\_\_\_\_\_  
\_\_\_\_\_

Roll Call

Shall the Ordinance Pass:

	YEA	NAY	
Alderman Andrew Penzo	<u>  2  </u>	<u>    </u>	(Ward 2, Position 2)
Alderman Arthur Penzo	<u>  1  </u>	<u>    </u>	(Ward 2, Position 1)
Alderman Henry Piazza	<u>  1  </u>	<u>    </u>	(Ward 1, Position 2)
Alderman Brad Marveggio	<u>  1  </u>	<u>    </u>	(Ward 1, Position 1)
Alderman Ken Robertson	<u>  1  </u>	<u>    </u>	(Ward 3, Position 2)
Alderman Steve Smith	<u>  1  </u>	<u>    </u>	(Ward 3, Position 1)

Yeas:   6   Nays:   0   (Total)

**CITY OF TONTITOWN, ARKANSAS**  
**DRAINAGE CRITERIA MANUAL**

September, 2005

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## **SECTION I - SUBMITTAL PROCEDURES**

### **1.1 DEFINITIONS**

Unless specifically defined below, words or phrases shall be interpreted so as to give them the meaning they have in common usage and consistent with the words and phrases used in the Subdivision Regulations and stormwater management programs (e.g., Federal Emergency Management Agency [FEMA], Arkansas Department of Environmental Quality, and Arkansas State Highways and Transportation Department [AHTD]) and to give this Drainage Criteria Manual its most effective application. Words used in the singular shall include the plural, and the plural the singular; words used in the present tense shall include the future tense. The word "shall" connotes mandatory and not discretionary; the word "may" is permissive.

**ABRASION** - Wear or scour by hydraulic traffic.

**ABSORPTION** - The assimilation or taking up of water by soil.

**ADEQ** – Arkansas Department of Environmental Quality, or its successors.

**AGGRADATION** - General and progressive raising of the streambed by deposition of sediment.

**AHTD** - Arkansas State Highway and Transportation Department.

**ALLUVIAL** - Referring to deposits of silts, sands, gravels and similar detritus material, which have been transported by running water.

**ANTECEDENT MOISTURE** - The degree of wetness of the soil at the beginning of a runoff period; frequently expressed as an index determined by summation of weighted daily rainfalls for a period preceding the runoff in question.

**BACKWATER** - The rise in water surface measured at a specified location upstream from the constriction causing the increased height.

**BASE FLOOD** - The flood or tide having a 1 percent chance of being exceeded in any given year (commonly known as a 100-year flood).

**BASE FLOODPLAIN** - The area subject to flooding by the base flood.

**BED LOAD** - Sediment that moves by rolling, sliding, or skipping along the bed and is essentially in contact with the streambed.

**BRAIDED STREAM** - A stream in which flow is divided at normal stage by small islands. This type of stream has the aspect of a single large channel within which there are subordinate channels.

**BUOYANCY** - The power of supporting a floating body, including the tendency to float an empty pipe (by exterior hydraulic pressure).

**CAPILLARY RISE** - The height above a free water elevation to which water will rise by capillary action.

**CAPILLARY SUCTION** - Capillary force that pulls or draws water against the force of gravity in dry soils.

**CAISSON** - Watertight box or cylinder used in excavating for foundations or tunnel pits - to hold out water so concreting or other construction can be carried on.

**CITY** - The City of Tontitown, Arkansas, and its employees expressly authorized by the Mayor to accomplish the specified task.

**CITY ENGINEER** – The registered professional engineer designated as the “City Engineer” by the City Council of the City of Tontitown, Arkansas; whether a staff employee of the City or a consulting civil engineer.

**COFFERDAM** - A barrier built in the water so as to form an enclosure from which the water is pumped to permit free access to the areas within.

**COMPOSITE HYDROGRAPH** - A plot of mean daily discharges for a number of years of record on a single year time base for the purpose of showing the occurrence of high and low flows.

**CONDUIT** - A pipe of other opening, buried or above ground for conveying hydraulic traffic, pipelines, cables or other utilities.

**CONFLUENCE** - A junction of streams.

**CONTRACTION** - The reduction in cross sectional area of flow.

**CONTRACTOR** - The licensed contracting company hired by the Developer/Owner to construct the improvements.

**CONTROL** - A section or reach of an open conduit or stream channel that maintains a stable relationship between stage and discharge.

**CONVEYANCE** - A measure of the water carrying capacity of a stream or channel.

**CRITICAL FLOW** - That flow in open channels at which the energy content of the fluid is at a minimum. Also, that flow which has a Froude number of one.

**CULVERT** - A conduit for conveying water through an embankment.