

AN ORDINANCE OF THE CITY OF LOWRY CROSSING, TEXAS

ORDINANCE NO. 148

AN ORDINANCE OF THE CITY OF LOWRY CROSSING, TEXAS, AMENDING THE SUBDIVISION ORDINANCE OF THE CITY, ORDINANCE NO. 105, BY ADDING A NEW SUBSECTION H TO SEC. 12-9-1, OF ARTICLE 9 TO PROVIDE ADDITIONAL MINIMUM DESIGN CRITERIA FOR COMPUTATIONS FOR THE DESIGN OF STORM DRAINAGE PLANS PROVIDING A REPEALING CLAUSE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A PENALTY FOR VIOLATION OF THIS ORDINANCE NOT TO EXCEED THE SUM OF FIVE HUNDRED DOLLARS (\$500.00) FOR EACH OFFENSE; AND DECLARING AN EFFECTIVE DATE.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF LOWRY CROSSING, TEXAS:

SECTION 1. AMENDING SUBDIVISION ORDINANCE NO. 105

The Subdivision Ordinance of the City, Ordinance No. 105, is hereby amended by adding a new Subsection H to Sec. 12-9-1, of Article 9 to read as follows:

"Sec. 12-9-1 DRAINAGE AND FLOODPLAIN PLAN

H. DESIGN CRITERIA

- (1) Computations for the design of the storm drainage system shall be based upon the rational method, using the Texas highway department's frequency curves for Collin County.
- (2) Storm Drainage for residential areas shall be designed for a five (5) year frequency rainfall, shopping centers and industrial developments for a ten (10) year frequency, and downtown and central business districts for a twenty-five (25) year frequency rainfall with provisions made for a one hundred (100) year overflow that will not cause any property damage.
- (3) A minimum "C" value of 0.50 shall be used in the rational formula for designing the drainage system in residential areas.
- (4) The drainage system shall be designed so storm water runoff for the five (5) year storm shall be contained within a dedicated right-of-way or a dedicated drainage easement of sufficient size to

contain the design flow. Additional drainage easement might have to be dedicated along and adjacent to roadway right-of-way to fully encompass the required drainage ditch. Water shall not be permitted to flow across intersections of collector or higher classification streets.

- (5) Street crowns shall not be flattened, or warped from one side of the street to the other for the purpose of causing water to flow from one side of the street to the other side.
- (6) In general, rainfall runoff that cannot be handled in adjacent roadway ditches shall be put into drainage channels of sufficient size to accommodate the design requirements.
- (7) No open drainage channels shall be constructed within the areas dedicated as public streets and alleys.
- (8) The developer shall be responsible for all costs associated with the construction of culverts, box culverts or bridges required to pass stormwater flows under streets. The following design criteria are to be utilized in calculating the required structure size (except major outfall channels, which handle water from drainage areas beyond the subdivision being constructed):

Street Designation	Structure Capacity	Overflow
Local street	25-year storm	100-year storm
Collector street	50-year storm	100-year storm
Thoroughfare street	100-year storm	100-year storm"

SECTION 2 REPEALING CLAUSE.

All parts of ordinances, inconsistent or in conflict with the provisions of this ordinance are hereby repealed.

SECTION 3. SEVERABILITY CLAUSE.

If any article, paragraph or subdivision, clause or provision of this ordinance shall be adjudged invalid or held unconstitutional, the same shall not affect the validity of this ordinance as a whole or any part or provision thereof, other than the part so decided to be invalid or unconstitutional.

SECTION 4. PENALTY CLAUSE.

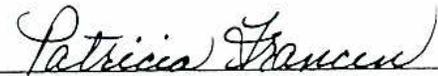
Any person firm or corporation violating any provision of this ordinance shall be deemed guilty of a misdemeanor and upon conviction shall be subject to a fine not to exceed the sum of Five Hundred Dollars (\$500.00) for each offense, and each day that a violation occurs or continues constitutes a separate offense.

SECTION 5. EFFECTIVE DATE.

This ordinance shall take effect immediately after its passage and publication of its caption as the law in such cases provides.

DULY ADOPTED by the City Council of the City of Lowry Crossing, Texas, on the 19 day of October, 2001.


MAYOR


CITY SECRETARY

APPROVED AS TO FORM:


CITY ATTORNEY