

**NOTICE OF INTRODUCTION OF ORDINANCE**

NOTICE IS HEREBY GIVEN that the following entitled ordinance was introduced in writing in the form required for adoption at a meeting of the Parish Council of the Parish of Livingston, State of Louisiana, on January 10, 2019, and laid over for publication of notice:

**L.P. ORDINANCE 19-03**

AN ORDINANCE TO AMEND CHAPTER 13, “PLANNING AND DEVELOPMENT,” SECTION 13-49.3, “SUBMITTALS”, SECTION 13-50, “PROCEDURES FOR SUBDIVISIONS WITH IMPROVEMENTS”, SECTION 13-57, “DRAINAGE/DRAINAGE IMPACT STUDY”, SECTION 13-57.1, “DRAINAGE IMPACT STUDY/DRAINAGE DESIGN REQUIREMENTS”, SECTION 13-59, “DRIVEWAY CULVERTS AND/OR SUBSURFACE DRAINAGE”, SECTION 13-66.2, “MOBILE HOME PARKS”, OF THE CODE OF ORDINANCES IN AND FOR THE PARISH OF LIVINGSTON.

NOTICE IS HEREBY FURTHER GIVEN that the Parish Council opened the public hearing on the proposed ordinance on Thursday, January 24, 2019, at six (6:00) o’clock p.m., at the Parish Council Chambers, 20355 Government Boulevard, Livingston, Louisiana, at which time the public hearing on the adoption of the aforesaid ordinance will be reconvened.

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Sandy C. Teal, Council Clerk

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Shane Mack, Council Chairman

(As per rules of the Council, copies of the proposed ordinance shall be made available for public inspection in the Office of the Livingston Parish Council.)

The following ordinance, which was previously introduced in written form required for adoption at a regular meeting of the Parish Council on January 10, 2019, a summary thereof having been published in the Official Journal together with a notice of public hearing which was held in accordance with said public notice was brought up for final passage on January 24, 2019, on Motion of \_\_\_\_\_ and seconded by \_\_\_\_\_:

**L.P. ORDINANCE 19-\_\_\_\_\_**

AN ORDINANCE TO AMEND CHAPTER 13, "PLANNING AND DEVELOPMENT," SECTION 13-49.3, "SUBMITTALS", SECTION 13-50, "PROCEDURES FOR SUBDIVISIONS WITH IMPROVEMENTS", SECTION 13-57, "DRAINAGE/DRAINAGE IMPACT STUDY", SECTION 13-57.1, "DRAINAGE IMPACT STUDY/DRAINAGE DESIGN REQUIREMENTS", SECTION 13-59, "DRIVEWAY CULVERTS AND/OR SUBSURFACE DRAINAGE", SECTION 13-66.2, "MOBILE HOME PARKS", OF THE CODE OF ORDINANCES IN AND FOR THE PARISH OF LIVINGSTON.

WHEREAS, the Livingston Parish Council adopted L.P.O. 01-16, reenacting Chapter 13 of the Code of Ordinances of Livingston Parish, Subdivision Regulations, and

WHEREAS, the Livingston Parish Council has adopted numerous amendments to Chapter 13 of the Code of Ordinances and now desires to make further amendments regarding drainage impact studies;

NOW, THEREFORE, BE IT ORDAINED by the governing authority of the Parish of Livingston, State of Louisiana: The Code of Ordinances of Livingston Parish, that the following sections be amended by removing the strike-through passages from the ordinance and adding the underlined passages as indicated:

**Section 13-49.3 Submittals**

(b) *Subdivisions without improvements.*

~~(7) A drainage impact study must be submitted for ten (10) lots or more to the review engineer, planning director and drainage district (if applicable) and approved prior to final plat approval. For less than ten (10) lots, the drainage impact study will not be required unless it is recommended by the review engineer/planning director or drainage district. Within ten (10) working days of submittal of the drainage impact study the review engineer and drainage district (if applicable) must provide the O/D/S's project engineer with comments from his review.~~

**Section 13-50 Procedures for subdivisions with improvements**

(c) *STAGE 3—2<sup>nd</sup> preliminary plat approval and other supplementary materials.*

(1) *Drainage impact study (required and approved by review engineer).* ~~A drainage impact study must be submitted for ten (10) lots or more to the review engineer, planning director and drainage district (if applicable). For less than ten (10) lots, the drainage impact study will not be required unless it is recommended by the review engineer/planning director.~~

**Section 13-57 Drainage/Drainage impact study**

(a) Installation of subsurface drainage is prohibited in any subdivision designed for open ditches ~~without a required culvert permit and written approval of parish president's office.~~

**Section 13-57.1 Drainage impact study/drainage design requirements**

(b) *Watershed map.*

(4) The pre-development and post-development ~~ten~~ twenty-five (25) year and one hundred (100) year run-off rate and water surface must be shown at all entrance and exit points of the development. ~~Twenty-five year run-off rate and water surface may be required by review engineer.~~

(c) *Hydrologic design.*

(1) The drainage impact analysis shall indicate existing condition peak ~~ten~~ twenty-five (25) year and one hundred (100) year flow rates at the development entry and exit points. ~~Twenty-five year run-off flow rates may be required by review engineer.~~

(2) The drainage impact analysis shall indicate future condition peak ~~ten~~ twenty-five (25) year and one hundred (100) year flow rates at the development entry and exit points. ~~Twenty-five year flow rates may be required by review engineer.~~

(g) *Design and construction criteria.*

- (1) ~~Design shall be in accordance with LaDOTD hydraulics manual. The run-off used shall be computed using the Soil Conservation Service (S.C.S.) or rational method (Q=ACI) as described in the manual for all drainage areas (off-site and on-site) and any drainage channels affected by the development.~~

The drainage impact analysis shall include hydrological calculations determining existing condition peak ten (10) year, twenty-five (25) year, and one hundred (100) year flow rates at the development entry and exit points. The drainage impact analysis shall include hydrological calculations determining future condition peak ten (10) year, twenty (25) year, and one hundred (100) year flow rates at the development exit points.

- (2) The impact of the one hundred (100) year design storm should be checked.

- (3) Technical Release 55 (TR-55) "Urban Hydrology for Small Watersheds" (frequently called the SCS method) shall be used to produce pre and post development runoff hydrographs. The computations shall be based on twenty-five (25) year, and one hundred (100) year Type III rainfall distributions producing totals of eight point six (8.6) inches and twelve point six (12.6) inches of rainfall respectively in twenty-four (24) hours. The pre-development times of concentration must be determined by either the lag or TR-55 worksheet methods, but the post development times of concentration must be determined by the TR-55 worksheet method. Other methods may be used to calculate pre and post development runoff hydrographs, if approved by the Engineer Review Agency prior to performing the drainage impact analysis.

- (4)(2) Complete hydraulic calculations shall be prepared and sealed by a professional civil engineer and submitted along with the construction plans. The interior drainage calculations shall be based on a ten (10) year design.

- (5)(3) Open canals shall have side slopes of three (3) to one (1) if not lined with concrete. Slope grades of one and one-half (1½) to one (1) may be used if concrete lining is utilized.

- (6)(4) Erosive soils-many subdivisions are developed in areas of the parish where erosive soils exist-s. All ditch side slopes shall be stabilized by fertilizing, seeding and erosion hay blankets installed per manufacturer and as approved by review engineer and planning director.

- (7)(5) The following servitude criteria shall be required for each ditch, canal, and storm sewer; however where applicable, local drainage districts reserve the right to review and request modifications as necessary to facilitate future maintenance of proposed ditches, canals and storm sewer systems, in addition, (with the approval from local drainage districts if applicable) the review engineer may allow variations based on sound engineering practices:

- (h) Subdivision drainage shall be designed in accordance with one (1) of the following three (3) options:

- (1) ~~Open ditch subdivision: Enclosure of open ditches in previously developed subdivisions shall follow the ordinance in place at the time of approval unless altered by ordinance.~~

- (i) *Detention basin.* Whenever a "detention basin" is utilized by O/D/S's engineer to minimize downstream flooding, the design shall address, at a minimum, the following:

- (1) Detention basin shall be designed to detain flows so as not to increase in downstream runoff ~~more than ten (10) percent~~ for a ~~ten~~ twenty-five (25) year pre-development storm.

**Section 13-59. - Driveway culverts and/or subsurface drainage.**

- ~~(b) Enclosure of open ditches in a previously developed subdivision shall be allowed by either requesting the Livingston Parish Department of Public Works to designate the size of needed culvert and shoot elevations or have a Louisiana licensed civil engineer design a subsurface drainage plan to enclose the roadside ditch and have it approved by the Livingston Parish Director of the Department of Public Works and the Parish Review Engineer. Approved plan shall include, at a minimum, catch basins (2' x 2' minimum) with removable grate located a maximum of every forty (40) feet.~~

**Sec. 13-66.2. - Mobile home parks.**

- (a) ~~The drainage impact study and construction plans will be submitted to the review engineer for review and approval. A waiver of the drainage impact study may be considered upon request.~~

All ordinances or parts of ordinances in conflict herewith are hereby repealed. If any provision of this ordinance shall be held to be invalid, such invalidity shall not affect other provisions herein which can be given effect without the invalid provision and to this end the provisions of this ordinance are hereby declared to be severable.

This ordinance having been submitted to a vote, the vote thereon was as follows:

YEAS:

NAYS:

ABSENT:

ABSTAIN:

And the ordinance was declared adopted on the 24th day of January 2019.

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Shane Mack, Council Chairman

ATTEST:

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Sandy C. Teal, Council Clerk

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INTRODUCED \_\_\_\_\_ ADOPTED \_\_\_\_\_  
DELIVERED TO PRESIDENT \_\_\_\_\_, \_\_\_\_\_ o'clock \_\_\_\_ . M.  
APPROVED BY PRESIDENT \_\_\_\_\_  
Layton Ricks Date  
VETOED BY PRESIDENT \_\_\_\_\_  
Layton Ricks Date  
RECEIVED FROM PRESIDENT \_\_\_\_\_, \_\_\_\_\_ o'clock \_\_\_\_ . M.