



Department of Land Use

MEMORANDUM

To: Interested Parties

From: S. Douglas Hokuf, Jr., P.E., Chief of Site Management
George O. Haggerty, Assistant Land Use Manager

RE: Ordinance 11-019, Infill Individual Lines and Grades Plans

Effective Date: February 28, 2019

S. Douglas Hokuf, Jr. 2/28/19
George O. Haggerty 2/28/2019

Applicability:

For any proposed structure greater than 480 square feet with a disturbance of less than 5,000 square feet on an existing lot of record, in accordance with Chapter 12 (Drainage) of the New Castle County Code (NCCC) Section 12.03.006.B. This memo is not written to address requirements of subdivision or land development applications.

Process:

Individual lines and grades plans are accepted on the signature, date and seal of the responsible professional and the signature of the owner. The accuracy of the plans and compliance with Chapter 12 of the NCCC is the responsibility of the owner and design professional. Any applicant with questions regarding the fulfillment of their NCCC Chapter 12 obligations is encouraged to contact the Land Use Engineering Section at 302-395-5400.

Submission Requirements:

1. All applications/permits subject to Chapter 12 of the NCCC Section 12.03.006.B shall provide an analysis of the receiving drainage system, including all physical components of the system into which the "project area" discharges whether within a drainage easement or not; including open channels, storm sewers, culverts, inlet grates and watercourses. The "project area" is defined as the limit of disturbance for the proposed project. The analysis shall be provided with the Lines and Grades Plan and shall be affixed with the signature, date and seal of the responsible professional who prepared the Lines and Grades Plan.
 - a. The analysis shall establish the available capacity within the receiving conveyance system for the peak rate discharge of the design storm event, as required by Chapter 12 of the NCCC Section 12.04.002.
 - b. The limit of the analysis shall be any clearly defined point of hydraulic constriction within the receiving watershed to which the "project area" represents no more than 10% of the receiving

watershed. The analysis shall be based on the entire drainage area contributing to the point of analysis.

- c. The analysis shall include a hydraulic assessment of the existing discharge conditions (type of flow, existing discharge points, non-erosive conveyance, etc.) and the ability of the proposed discharge to maintain the existing discharge condition with no adverse impacts.
2. In accordance with DelDOT's drainage policy dated March 2, 2007, any application that increases peak rate discharge to a DelDOT maintained drainage system must have a written approval or waiver from DelDOT and be submitted with the Lines and Grades Plan.

Compliance Guidance:

1. If the analysis and hydraulic assessment demonstrate that adequate drainage conveyance exists for the proposed discharge with no adverse impacts, then the NCCC Chapter 12 requirements are satisfied.
2. If the analysis and hydraulic assessment demonstrate that adequate drainage conveyance does not exist for the proposed discharge, then the applicant shall take appropriate measures to not adversely impact the existing condition and downstream properties.

The design professional is reminded that he/she is wholly liable for the application's compliance with the NCCC Chapter 12 adequate conveyance requirements.