



HAMILTON COUNTY
**Planning +
Development**

138 E COURT ST., RM 801
CINCINNATI, OH 45202

GENERAL INFORMATION
(513) 946-4550
www.hamiltoncountyohio.gov/pd

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November 1st, 2019

Jessica Daves
Sycamore Township Planning and Zoning

Reference: 2019-17P1 – ARKU Office/Manufacturing Facility – 7251 Kemper Road,
Sycamore Township

Dear Ms. Daves:

During the design of the new project the following items should be considered by the Engineer to comply with Hamilton County Storm Drainage regulations.

The Hamilton County Storm Water District’s Post Construction Regulation Article V and Stream Corridor Regulation Article IV were adopted by the County Commissioners effective June 14, 2009. The project should be designed to be in compliance with the above mentioned regulations. Copies of the regulations can be downloaded [here](#).

- a. The project will require detention basin as per section ST 405 and ST 711 of Hamilton County Planning and Development Storm Water Drainage System Rules and Regulations.
- b. While designing the Storm Water system for the proposed project the Engineer must comply with Rules and Regulation of the Hamilton County Planning and Development department Governing the construction, operation, maintenance and use of the Storm Drainage System in Hamilton County, Ohio, adopted January 1, 1974 and **revised on January 17, 2007** and to give special consideration to the following:
 - 1. No diversion of storm water run-off will be permitted.
 - 2. The Director of Planning and Development must approve total storm water compensation. Storm water detention based upon our current regulations will be required, including a staged Pre-Development 1-year, and Pre-development 10-year controlled release for each drainage area. **A “Private Drainage Easement for Storm Water Detention” plat and an as-built drawing must be submitted certifying the required volume** after construction is completed.
 - 3. All storm water detention basins are to be sized for a 100-year event based on Exhibit 33.
 - 4. All storm drainage catch basins and head walls are to conform to said Rules and Regulations.
 - 5. All streams and/or watercourses affecting the site shall be analyzed based on a One hundred (100) year frequency storm.
 - 6. All internal drainage systems are to be designed for a ten (10) year storm with the 100 year hydraulic gradient shown no higher than six inches below all catch basin and/or storm manhole openings.
 - 7. All structures are to be protected from storm water flooding based on a one hundred (100) year storm within or out of a Special Flood Hazard Area.
 - 8. **A storm water drainage investigation may be required offsite and downstream of all developments or projects.**

Along with the Final Development/Improvement Plans, the Developer/Owner is to submit one set of storm water detention and drainage calculations, and drainage maps.

Erosion and sediment control, to protect all adjacent properties, must be implemented beginning with the design process of this project.

Prior to performing any work within a Special Flood Hazard Area, application for and approval of a Special Flood Hazard Area development permit shall be required from this office pursuant to the "Flood Damage Prevention Regulations".

The Final Improvement Plan must conform to preliminary construction drawings and meet the requirements of the current Hamilton County Planning and Development Storm Water Drainage System Rules and Regulations. We reserve the right to make any changes deemed necessary for final plan conformity to current regulations.

Respectfully,

A handwritten signature in cursive script that reads "Ben Poole".

Ben Poole
Project Engineer

cc: File