



Stormwater Quantity

Why care about Stormwater Quantity?

The increase in impervious areas such as rooftops, parking lots, roads, etc. reduces the amount of rain that infiltrates the ground naturally which increases the volume of stormwater runoff. The increased runoff enters our drainage systems and receiving waterways of which can cause flooding. Flooding impacts include the loss of life and property, health and safety hazards, disruption of governmental services, infrastructure damage, environmental degradation, interrupts emergency response, and hinders economic growth.

What is Madisonville doing to reduce Stormwater Quantity?

Construction activities and increased impervious surfaces associated with new development and expansion of existing sites can lead to increased stormwater runoff and pollution. To control the increase of stormwater runoff, developers of new and redeveloped property may be required to submit a Stormwater Plan if the development is considered a Major Development as defined as:

- Any proposed structure or combination of structures greater than five thousand (5,000) square feet
- And/or sites disturbing one (1) acre or more
- And/or requiring street or utility extensions

The requirements for the Stormwater Plan and associated design criteria are outlined in Chapter 156.075.

Stormwater plans shall be provided showing the post development run off rates which shall be reduced from the pre-development run off rate by ten percent (10%) if there are structures downstream that are currently in a special flood hazard area as defined by FEMA FIRM Maps adopted by the city. If there are no such downstream structures, post development run off rate may equal, but not exceed, pre-development run off rates. In addition, a Stormwater Pollution Prevention Plan (SWPPP) is required and applicant must submit a copy of their State Stormwater Notice of Intent (NOI) Permit.

All commercial developments and additions in the City require a site plan be submitted to the Zoning and Permits Department for review before any building permits can be issued. The process starts with a preliminary meeting with staff to discuss the proposed improvements and elements required to be on the plan. Site plans should be drawn according to the Development Plan Requirements unless otherwise directed by staff. Once an adequate site plan is submitted, Zoning and Permits Staff review it for compliance with applicable planning and zoning regulations and forward it to the Engineering Department for the review of applicable ordinances and technical design standards.
