

Walworth County Storm Water Management Standards

The following types land developing or construction activities are required to meet the County's Storm Water Management Performance Standards and have a County-approved Land Disturbance, Construction Site Erosion Control and Storm Water Management Plan and Permit.

1. **Residential developments or additions to existing residential developments.**
2. **All commercial, industrial or institutional developments or additions to existing commercial industrial or institutional sites that will result in 0.5 acres of impervious surfaces.**
3. **Any construction site that requires 1 or more acres of land disturbing construction activities, including but not limited to pond construction, spoil spreading, and golf course construction.**
4. **Construction of a new or public or private road serving 5 or more lots.**
5. **A land development activity, regardless of size, that in the opinion of the Land Conservation Division is likely to cause one or more of the following:**
 - a). **An adverse impact to an environmentally sensitive area.**
 - b). **Results in runoff that exceeds the safe capacity of the existing drainage facility or receiving water.**
 - c). **Results in chronic wetness on other property, due to reoccurring discharges of storm water.**
 - d) **Causes undue channel erosion.**
 - e) **Increases pollution by scouring or the transportation of particulate.**
 - f) **Violates any other storm water management standard.**
6. **Those activities required to meet County Storm Water Standards by a decision made by the Land Management Committee, the County Board, the County Board of Adjustment or other County action or judicial decision.**

All determinations of whether an activity, development or construction project is required to meet County Storm Water Management Standards and have a County-approved Land Disturbance, Erosion Control and Storm Water Management Plan and Permit must be made in consultation with the Walworth County Land Conservation Division.

Walworth County Storm Water Management Performance Standards.

1. Infiltration: Structural and non-structural infiltration systems shall be established and maintained to achieve one of the following infiltration performance standards:

Residential Developments: One of the following standards shall be met:

1. **Infiltrate 90% of the pre-development infiltration volume; based on the annual rainfall.**
2. **Infiltrate 25% of the post-development runoff volume calculated for the 2-year 24-hour design storm.**
3. **Establish effective infiltration area covering 2% or more of the project site.**

Nonresidential Development. One of the following standards shall be met:

1. **Infiltrate 60% of the pre-development infiltration volume; based on the annual rainfall.**
2. **Infiltrate 10% of the post-development runoff volume calculated for the 2-year 24-hour design storm.**
3. **Establish effective infiltration area covering 2% or more of the project site.**

2. Peak Discharge: Structural and non-structural storm water best management practices must be selected, adequately sized and located to maintain pre-development storm water runoff rates for the 2-year, 10-year and 100-year, 24 hour design storm.

3. Water Quality: Structural and non-structural storm water best management practices must be selected, adequately sized and located to control 80% of the total suspended solids (TSS) generated under built conditions of a new development. (For redevelopment or in-fill, consult with the Walworth County Land Conservation Division.)

4. Protective Areas: Impervious surfaces shall be kept out of the protective area to the maximum extent possible. A “**protective area**” means an area of land as measured horizontally from the top of a channel, high water mark of a lake, or navigable pond, or delineated wetland boundary to the closest impervious surface. Contact the Walworth County Land Conservation Division for guidance in determining the width of the protective area.

75 feet: For outstanding resource waters and exceptional resource waters and for wetlands of special natural resource interest as specified in s. NR 103.04.

50 feet: For perennial and intermittent streams, as defined on US geological survey 7.5-minute series topographic map, or a county soil survey map, which ever is more current.

50 feet For Lakes.

50 feet: For highly susceptible wetlands (fens, sedge meadows, bogs, low prairies, conifer swamps, shrub swamps, forested wetlands, shallow marshes, deep marshes and seasonally flooded basins).

10-30 feet: For less susceptible wetlands, (degraded wetlands dominated by invasive species) based on width of wetland.

10 feet: For Concentrated flow channels with drainage areas greater than 130 acres.

5. Fueling and Vehicle Maintenance Areas: Any development site subject to Walworth County Storm Water Management standards that includes fueling and vehicle maintenance areas shall establish and maintain to reduce the discharge and runoff of petroleum.

Long-term Maintenance of Storm Water Management Practices.

A Long term maintenance plan and agreement for the storm water management best management practices established for any development must be consistent with Article I, Chapter 26 of the Walworth County Code of Ordinances.

The **maintenance plan** must specify inspection and maintenance tasks, schedules, procedures, methods and costs to perform inspection, operation and maintenance of the storm water management practices. The Plan must also identify the entity responsible for the implementing the maintenance plan and how funds will be generated to perform maintenance tasks.

Access to storm water management practice to perform maintenance: The storm water management plan must identify and label the location to access each storm water management practice to conduct inspections and maintenance activities. Access must be a minimum of 15 feet in width.

The **Storm Water Maintenance Agreement** shall be recorded on the deed of the parcel with the Walworth County Register of Deeds. In addition to the provisions contained in Section 26-16 (a) (1), the maintenance agreement shall give the Walworth County Land Conservation Division the authority to:

1. Enter the property to conduct inspection of the storm water management practices.
2. Order maintenance activities identified in the maintenance plan, after giving written notice.
3. Enter the property to conduct maintenance activities, after giving a written notice.
4. Charge the title holder, the cost and expenses to conduct maintenance activities.