

Fact Sheet: Stormwater Basin Maintenance



Basin Maintenance: A consistent maintenance program is the best way to ensure that a stormwater basin continues to perform its intended water quality functions. Routine maintenance can help deter more costly non-routine repairs down the road. Maintenance activities will include the following:

- Routine: Occur at least once per year and less expensive.
 - ◇ Minor sediment removal
 - ◇ Trash/debris removal
 - ◇ Landscape/vegetation management - Water should flow freely through pipes. Vegetation can also damage berms.
- Non-routine: Occur less frequently and more expensive.
 - ◇ Major sediment removal - Sediment should never extend more than 50% of basin.
 - ◇ Structural repairs and major erosion repairs
 - ◇ Wildlife removal - Beavers and muskrats can damage a basins structure.

Inform Yourself!

- If you live in a residential community, your Home Owners Association (HOA) dues may help pay for basin maintenance.
- If you don't have an HOA, look for information on your recorded plat and deeds found on the Warren County Auditor's website -www.wcauditor.org
- A professional contractors list is available from WCSWCD to help with non-routine maintenance.

Basin Parts: All basins contain similar parts but may look different. Not all basins will have every one of these parts. Typical parts of a basin contain:

- Inlet pipe - Where water flows into the basin.
- Outlet Structure - The concrete structure or grate allows water to slowly exit the basin to ensure sediment and trash are able to settle out within the basin area before entering a water body.
- Earthen Dam/Embankment - Keeps water in the basin in larger rainfall events.
- Forebay and forebay berm - constructed of earth, rock or other material and installed to contain small flows and keep sediment contained in a smaller area of the basin.
- Low flow channel - Concrete gutter common with older detention basins.



Outlet with low flow orifice

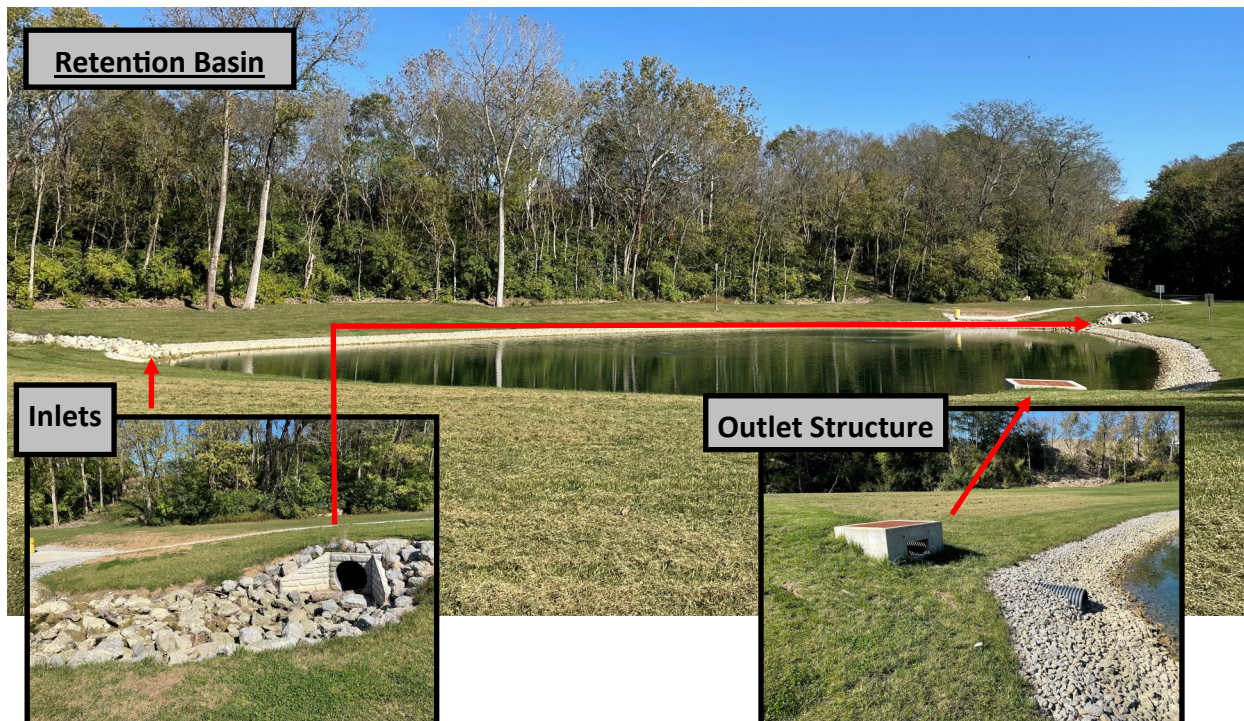
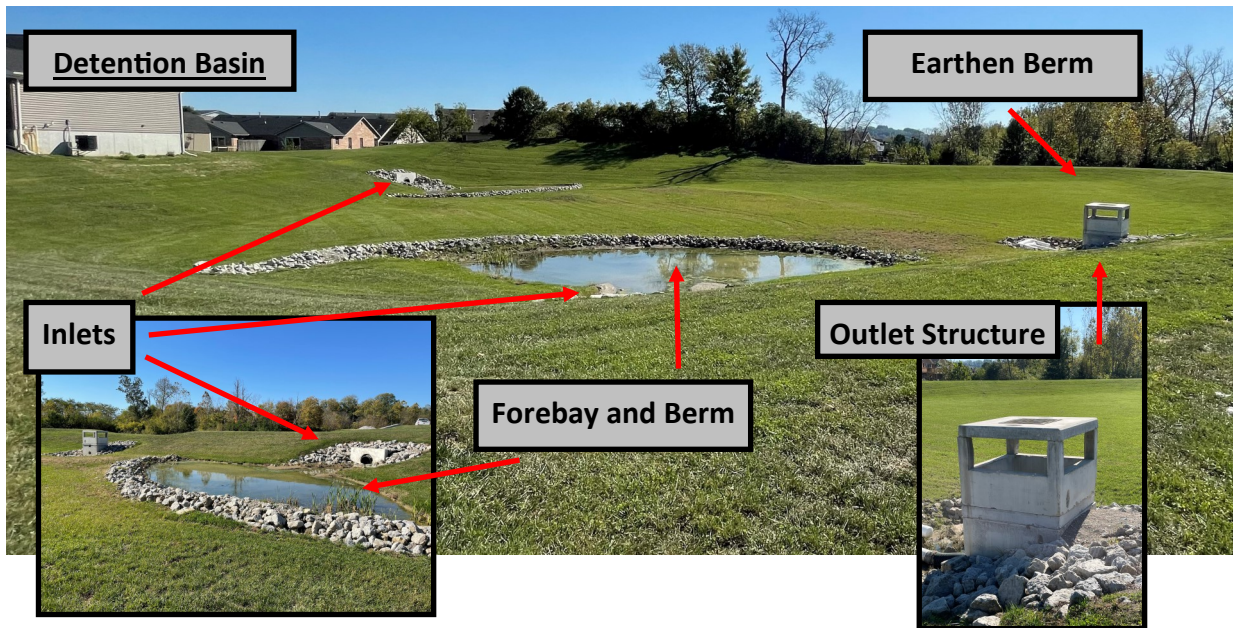


Trash grate on side and top

Learn more about water protecting practices you can do at home.

Visit the District's Website at <https://www.warrenswcd.com>

Stormwater Basin Parts



What does Warren County Soil and Water Conservation District (WCSWCD) do about Storm Water Basins?

In a partnership with the Warren County Engineer's Office and participating municipalities and townships, WCSWCD inspects stormwater basins and their features on a regular basis. In the instance a basin poses a potential maintenance concern, a letter is also sent to alert the basin owner of these deficiencies. WCSWCD is available to help with questions and concerns.

Warren County Soil and Water Conservation District

320 E. Silver Street, Lebanon, OH 45036

Phone: 513-695-1337 ♦ Email: wcswcd@gmail.com