AUTODESK

5 advanced drainage design capabilities for Civil 3D users

Civil 3D handles much of the foundational drainage design work that many projects require. As drainage design grows more complex and sustainability needs rise, some projects require more advanced analysis and modeling. InfoDrainage works with Civil 3D to support these needs. It gives you tools for hydrology, hydraulics, green infrastructure design, iteration management, and reporting, while keeping your work connected to the Civil 3D environment you already use.

Five ways to **enhance Civil 3D drainage design workflows** with InfoDrainage

Run rainfall, runoff and flow analysis

Civil 3D provides the layout of your network. When you need to understand how a site performs during real storm events, InfoDrainage adds built-in tools for rainfall and runoff analysis. You can simulate storm events, review surface flow paths, and identify areas where water collects. This gives you a clear picture of how your design behaves under different conditions.

Design and size inlets, bypass flows and culverts

Some drainage structures require more detailed hydraulic design than CAD-based workflows offer. InfoDrainage lets you design and size inlets, evaluate bypass flow, and check culvert performance using methods that reflect how water actually moves through the system. As your design changes, these elements update so you can refine the network with better accuracy.

Model green infrastructure with purpose-built tools

Green infrastructure often involves multiple connected components and can be difficult to model with standard tools. InfoDrainage includes templates for bioretention, swales, porous pavement, infiltration trenches and other sustainable controls. These templates follow real hydraulic behavior, helping you meet water quantity, water quality and sustainability targets while staying aligned with your Civil 3D layout.

Compare design options and phases in one file

Drainage design usually involves many iterations. InfoDrainage lets you store multiple scenarios and phases in one file so you can compare them without creating separate versions. You can review alternatives side by side, understand how each option performs, and choose the design that best fits your project goals.

Produce regulatory-ready reports quickly

Reporting can be time consuming when information comes from multiple sources. InfoDrainage includes tools to generate reports, profiles, compliance checks and other outputs in a few steps. These reports follow local standards and help reviewers understand your design decisions. This can shorten review cycles and reduce the need for corrections.

Ready to give InfoDrainage a try? **Start your free 30-day trial today**. Or **reach out to our team** for a custom demo.