

STORMCAD SYSTEM REQUIREMENTS

Processor:

Pentium III at 1 GHz. As per minimum operating system requirements.

Operating System:

Windows Vista, Windows XP, and Windows Server 2003

Memory:

256 MB or more. As per minimum operating system requirements.

Hard Disk:

250 MB of free storage space, with additional room for data files

Display:

1024 x 768 resolution, High Color (16 Bit)

Video:

800 x 600 resolution, 256 colors

Platform pre-requirements:

StormCAD runs without platform restrictions using the stand-alone interface. If integration with CAD platforms is desired, these are the requirements: MicroStation V8i, AutoCAD 2009, PowerCivil for Americas V8i.

Support for older platform software versions is available if required. Contact your Bentley representative for details.

ABOUT BENTLEY

Bentley Systems, Incorporated is the global leader dedicated to providing comprehensive software solutions for sustaining infrastructure. Architects, engineers, constructors, and owner-operators are indispensable in improving our world and our quality of life; the company's mission is to improve the performance of their projects and of the assets they design, build, and operate. Bentley sustains the infrastructure professions by helping to leverage information technology, learning, best practices, and global collaboration – and by promoting careers devoted to this crucial work.

About Harken-Reidar

Harken-Reidar, Inc. is a Bentley Channel Partner for the Mid-Atlantic VA, MD, DC & PA. Our sales and training staff are Registered Professional engineers who understand Civil design and plans preparation. We have 20 years of experience using GeoPak, InRoads, MicroStation and Haestad Methods software for over 20 years.

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STORMCAD AT-A-GLANCE

Interface and graphical editing

- Runs on PowerCivil for Americas platform
- Stand-alone Windows interface
- AutoCAD-based interface
- MicroStation-based interface
- InRoads/GEOPAK/PowerCivil drainage file import/export
- Unlimited undo and redo
- Element morphing, splitting, and reconnection
- Nodes in Close Proximity Merging tool
- Automatic element labeling
- Scaled, schematic, and hybrid environments
- Scaled catchment and gutter elements
- Element prototypes
- Aerial view and dynamic zooming
- Named views library
- Multiple background-layer support
- Image, CAD, and GIS background support
- Element Prototypes (one-click setup)

Interoperability and data connections

- Single set of model files for three-compatible interfaces
- Bidirectional synchronized database connections
- Bidirectional synchronized Shapefile connections
- Polyline-to-pipe connections from DXF and DWG files
- Spreadsheet, database, and ODBC connections

Model management

- Unlimited scenarios and

alternatives

- Comprehensive scenario management
- Active topology (activate or deactivate network elements)
- Tabular reports with global editing
- Sorting and persistent filtering on tabular reports
- Customizable engineering libraries
- Dynamic (query based) and static selection sets
- Element selection by polygon
- Element selection inversion
- Table opening on selection
- Global engineering-units management
- Drawing review tools for connectivity consistency
- Automatic topology review
- Drawing navigator
- Orphaned node and dead-end pipe queries
- Hyperlink for network elements
- User-data extension
- Support of ProjectWise® / ProjectWise® Geospatial Management

Model building

- GIS-ID property (maintain associations between records in source file and elements in model)
- LandXML data import
- Polyline-to-pipe conversion from DXF and DWG files
- Spreadsheet, database, shapefile, and ODBC connections

Hydraulics

- Steady-state simulations
- Flow profile methods: capacity and backwater analysis

- Headloss methods: AASHTO, HEC-22, standard, absolute, generic, and headloss-flow curve
- Friction loss methods: Manning, Kutter, Darcy-Weisbach, and Hazen-Williams
- Automatic constraint-based design
- Curb, grate, ditch, slot, generic, combination, and user-defined capture curve inlet types
- Open channel and closed conduit hydraulics
- Diversion simulation

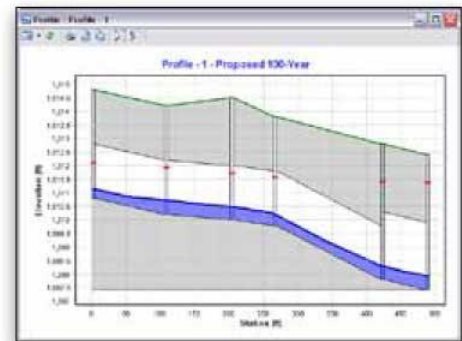
Hydrology and load allocation

- Rational method
- Rainfall data input: user-defined Intensity-Duration-Frequency (IDF) table, Hydro-35, IDF table equation, IDF curve equation, IDF polynomial log equation
- Time of concentration methods: User-Defined, Carter, Eagleson, Espey/Winslow, Federal Aviation Agency, Kerby/Hathaway, Kirpich (PA and TN), Length and Velocity, SCS Lag, TR-55 Sheet Flow, TR-55 Shallow Concentrated Flow, and TR-55 Channel Flow
- External load assignment

Results presentation

- Thematic mapping
- Dynamic, multi-parameter, and multi-scenario graphing
- Advanced profiling
- Advanced tabular reporting with FlexTables®
- Property-based color coding and symbology
- Property-based annotation
- Contouring with Shapefile and DXF export

Use FlexTables to sort, filter, manage units and globally edit your data.



Locate bottlenecks quickly using thematic mapping, FlexTables, and profiles.