SEDCAD 4 for Windows was developed specifically for the design and evaluation of alternative erosion prevention and sediment control systems with a focus on earth-disturbing activities. It is a comprehensive program that includes hydrology, hydraulics, and design and evaluation of the effectiveness of both individual and an integrated system of erosion prevention and sediment control measures with respect to sediment trap efficiency and effluent sediment concentration.

SEDCAD 4 is being used to design and evaluate erosion prevention and sediment control systems for surface mining, residential subdivisions, commercial properties including office parks, shopping centers, schools, airports, industrial sites, refuge transfer stations, golf courses, hydroelectric facilities, municipal, hazardous and low level nuclear landfills, and linear developments such as highways and utility lines. The program uses classic, well-established methodologies for hydrologic and hydraulic analysis. The SCS Unit Hydrograph method has been slightly modified to enable more accurate prediction of disturbed lands and forested areas. Hydraulic routing techniques, all channel designs, culverts and energy dissipaters were designed using well-established and broadly used techniques. SEDCAD 4 is also capable of predicting the effectiveness of sediment basins, sediment traps, silt fences, porous rock silt checks (check dams), and grass filters. Most of the sediment control procedures have been developed based on extensive research conducted at the University of Kentucky. Aggressive verification research programs have been conducted at UK, and are continuing. Sediment basins and traps are monitored both in the field and in a large-scale laboratory pond. Verification includes measurement of inflow and effluent stormwater, sediment concentrations, and particle size distributions.

The initial release of SEDCAD was in 1987, and the program is continually being upgraded by incorporating applied research from universities and government research facilities, feedback from users, and advances in operating systems, CAD software and computer capabilities.

If you have any questions, please contact Civil Software Design (515-292-4115 or sedcad@cs.com) and/or Dr. Richard Warner at the University of Kentucky (859-257-3000 ext. 217 or warnerhofc@aol.com).
Your foundation for increased profitability!

**SEDCAD 4**

*for Windows®*

*Design of Stormwater, Erosion, and Sediment Control Systems*

---

**What we did...**
- Created the foundation for rapid future developments
- Stripped all code to basic equations
- Re-derived equations and wrote new algorithms
- Programmed for speed utilizing a 32-bit processor

**Results...**
- Windows® program, using familiar Windows® interface and printer drivers
- Virtually unlimited and unrestricted networking
- Dynamic design mode
- Add/delete/change structures and subwatersheds with a click
- Rapid full-screen editing

**Windows® 95 and higher**
- Fully implements Windows® 95 through XP using standards of graphical user interface (GUI) design
- Use of Windows® printer drivers provides sophisticated report and extensive graphing capabilities

**Networking is virtually unlimited and unrestricted**
- Junctions and branches are no longer used
- Structures can be placed at any location and in any sequence
- Large mines, subdivisions and landfills can be modeled in a single dynamic run

**Dynamic design mode**
- The calculations are always running in background mode

Once subwatershed parameters are entered, the peak flow, peak sediment concentration, hydrograph and sediment graph are immediately available to design the structure.
- Proceed from structure to structure, completing designs

**Add/delete/change Structures and Subwatersheds with a click**
- Structures can be inserted anywhere
- The impact of alternative structures can be readily evaluated

**Rapid Full Screen Editing**
- Simply point-and-click to move to the desired input screen
- F2 is gone forever (Yes!)

**Silt Fence designs**
- Determine the sediment trap efficiency and effluent concentration

**NRCS (SCS) TR-55 emulator**
- Emulate the TR-55 unit hydrograph and obtain a peak flow which closely matches TR-55

---

... and much more!
Graphical viewing and outputs

- Zoom in capability on all graphics
- Print graphics using Windows printer drivers
- Save graphic to file (.BMP, .EPS, .WMF)

... and much more!

- Extensive Help tables, figures and guidance
- New ‘C factors’ and mining spoil erodibility ‘K factors’
- Curve Number tables available with a click
- Semi-circular and circular non-erodible channels
- Save and recall erodible particle size distributions
- Save and recall utilities
- SEDCAD Report Viewer

System Requirements

- Windows 95 or higher
- 32 MB of RAM (minimum recommended)
- 25 MB of hard disk space
- Intel 486, Pentium (recommended), or better or compatible processor
- 800 x 600 VGA video display
- Mouse
- IBM compatible parallel port for hardware lock

Contact us for information on short courses!

Input screen for Networking

Civil Software Design, LLC
2073 Lakeside Drive
Lexington, KY 40502

Phone & FAX: 515-292-4115 (Ames, IA)
email: sedcad@cs.com
** New SEDCAD 4 Package:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>1</th>
<th>2</th>
<th>3-5</th>
<th>6-10</th>
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<th>26-50</th>
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<td>$975</td>
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** Upgrade SEDCAD 4 Package:

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<th>3-5</th>
<th>6-10</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Upgrade Price each**:</td>
<td>$495</td>
<td>$425</td>
<td>$400</td>
<td>$380</td>
<td>$350</td>
<td>$340</td>
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</table>

** Number of upgrades cannot exceed the number of installations you are currently licensed for. Valid SEDCAD 3.x serial numbers are required in order to receive the upgrade price. SEDCAD 3.x serial numbers that have been replaced with a “disk swap” or alternate set of disks are not applicable.

(U.P. = Unit Price):

# New _____ x U.P. New $______ = $_______
# Upgrade _____ x U.P. Upgrade $______ = $_______

Shipping: Fed-X 2-day ($15.00) $_______
Fed-XNext Morning($35.00) $_______
Tax (Kentucky @ 6%) $_______
Total $_______

For upgrade price**, list valid SEDCAD 3.x serial numbers:

__________________ ___________________
__________________ ___________________
__________________ ___________________

Local: loaded directly onto the hard drive, with a single user running the program at any one time. The software can be moved easily from computer to computer, but will maintain the single-user status per package.

Purchase Order Number: ___________ Check Number: ___________ (sorry, no credit cards yet)

** Ship To:**
Name ____________________________________________
Company _______________________________________
Address ________________________________________
City, State, Zip _______________________________
Phone _________________________________________
FAX __________________________________________
e-mail _________________________________________

** Bill To:**
Company _______________________________________
ATTN: _______________________________________
Address _______________________________________
City, State, Zip _______________________________

e-mail sedcad@cs.com

Please send, FAX or email orders to:

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e-mail: sedcad@cs.com