



We believe **QSCad** is the best CAD Measurement system available, check it out for yourself!

	QSCad	?
<b>DRAWING COMPATIBILITY AND SETUP</b>		
Compatible with the latest CAD dwg and dxf formats (AutoCAD 2004, 2006, 2007/2008, 2009)	✓	<input type="checkbox"/>
Supports Measurement from Scanned and Image files (.bmp, .jpg, .tif)	✓	<input type="checkbox"/>
Automatic Calibration and checking routines for CAD drawings	✓	<input type="checkbox"/>
Manual Calibration for Scanned and Image files	✓	<input type="checkbox"/>
Supports Drawings containing XRefs	✓	<input type="checkbox"/>
Supports the display of and snapping to MLines	✓	<input type="checkbox"/>
Supports Imperial or Metric Drawings	✓	<input type="checkbox"/>
Enables measurement in Imperial or Metric	✓	<input type="checkbox"/>
<b>WORKING WITH THE DRAWING</b>		
<b>Zooming &amp; Panning</b>		
Zoom in and Zoom Out using toolbar buttons	✓	<input type="checkbox"/>
Zoom in and Out using Mouse Wheel	✓	<input type="checkbox"/>
Zoom to a Window	✓	<input type="checkbox"/>
Dynamic Zooming with Instant refresh	✓	<input type="checkbox"/>
Return to up to 10 previous 'Zooms'	✓	<input type="checkbox"/>
Pan (move drawing) in any direction using toolbar buttons	✓	<input type="checkbox"/>
Pan Dynamically by 'grabbing' drawing and moving	✓	<input type="checkbox"/>
Activate Dynamic Panning 'hot-key'	✓	<input type="checkbox"/>
Pan and Zoom even when a dialog is open	✓	<input type="checkbox"/>
<b>Views</b>		
Save the Current 'View' of a drawing	✓	<input type="checkbox"/>
Create a 'View' from a Window	✓	<input type="checkbox"/>
Select saved 'Views' from a hotkey	✓	<input type="checkbox"/>
Overlay drawings to identify changes/differences	✓	<input type="checkbox"/>
Overlay Scanned and CAD drawings	✓	<input type="checkbox"/>
Open Multiple drawings simultaneously	✓	<input type="checkbox"/>
<b>CAD Drawing Layers and Format</b>		
View drawings in both Paperspace and Modelspace	✓	<input type="checkbox"/>
View drawing in Black and White or CAD colours	✓	<input type="checkbox"/>
Increase resolution to 'smooth curves'	✓	<input type="checkbox"/>
Turn on and off CAD drawing layers	✓	<input type="checkbox"/>
Turn off CAD drawing layers by selecting an item on that layer	✓	<input type="checkbox"/>
Restore CAD layers to original state	✓	<input type="checkbox"/>
Change all CAD layer colours to black	✓	<input type="checkbox"/>
Change all CAD drawing text and lines to black	✓	<input type="checkbox"/>
Change CAD layer colours	✓	<input type="checkbox"/>
Rotate drawing	✓	<input type="checkbox"/>
Set user-defined highlight colour	✓	<input type="checkbox"/>
Create unlimited Measurement layers	✓	<input type="checkbox"/>
<b>BASIC MEASUREMENT</b>		
<b>Generally</b>		
Direct Entry of Measurement Description	✓	<input type="checkbox"/>
Selection of Measurement Description from list of items previously measured	✓	<input type="checkbox"/>
User-defined colours, shading, and line styles	✓	<input type="checkbox"/>
Entry of Additional Dimensions to enable additional calculations e.g. Area or Volume	✓	<input type="checkbox"/>
Designate a measurement as a 'Deduct'	✓	<input type="checkbox"/>
Interactive hatching during measurement	✓	<input type="checkbox"/>
Start Marker placed at origin of measurement	✓	<input type="checkbox"/>

	QSCad	?
<b>Linear Measurement</b>		
Basic linear measurement using mouse clicks as coordinates	✓	<input type="checkbox"/>
Linear measurement using 'snapping' functions	✓	<input type="checkbox"/>
Single/Separate lengths measurement	✓	<input type="checkbox"/>
'Close' linear measurement shape back to original point	✓	<input type="checkbox"/>
Undo last point facility	✓	<input type="checkbox"/>
Linear measurement by selection of lines	✓	<input type="checkbox"/>
Linear measurement with User-defined Offset	✓	<input type="checkbox"/>
<b>Area Measurement</b>		
Basic area measurement using mouse clicks as coordinates	✓	<input type="checkbox"/>
Area measurement using 'snapping' functions	✓	<input type="checkbox"/>
Undo last point facility	✓	<input type="checkbox"/>
Add a void to an Area	✓	<input type="checkbox"/>
Area measurement by selection of lines	✓	<input type="checkbox"/>
Area measurement by the selection of a circle	✓	<input type="checkbox"/>
Area measurement with User-defined Offset	✓	<input type="checkbox"/>
<b>Numeric Measurement</b>		
Create and save user-defined markers	✓	<input type="checkbox"/>
Basic numeric measurement using mouse click to select items	✓	<input type="checkbox"/>
Identification and measurement of items drawn as 'blocks' in CAD drawing	✓	<input type="checkbox"/>
Select/deselect 'blocks' to be measured individually	✓	<input type="checkbox"/>
Select/deselect 'blocks' to be measured by defining an area	✓	<input type="checkbox"/>
Check whether an item is a 'block'	✓	<input type="checkbox"/>
Identification and measurement of items identified by 'text'	✓	<input type="checkbox"/>
<b>Snapping</b>		
Snap to endpoint, midpoint, nearest line or intersection	✓	<input type="checkbox"/>
Snap to arc	✓	<input type="checkbox"/>
Snap point highlighting	✓	<input type="checkbox"/>
<b>ADVANCED MEASUREMENT</b>		
<b>Measurement Setup</b>		
Create and use Master Lists for Standard Measurement Layers	✓	<input type="checkbox"/>
Create and use Master Lists for Standard Descriptions, shading etc.	✓	<input type="checkbox"/>
Create and user Master Lists for Standard Markers	✓	<input type="checkbox"/>
<b>Measurement Components</b>		
Create user-defined components	✓	<input type="checkbox"/>
Create and use a Master Library of Standard Components	✓	<input type="checkbox"/>
Create and use components on an individual drawing	✓	<input type="checkbox"/>
Select Component Descriptions from List of Items previously measured	✓	<input type="checkbox"/>
Change the component and change all items using this component	✓	<input type="checkbox"/>
Create user-defined template components including variables	✓	<input type="checkbox"/>
<b>Repeats</b>		
Repeat a measured area elsewhere on the drawing	✓	<input type="checkbox"/>
Repeat a linear measurement elsewhere on the drawing	✓	<input type="checkbox"/>
Repeat a linear measurement at centres elsewhere on a drawing	✓	<input type="checkbox"/>
Repeat numeric measurements at centres elsewhere on the drawing	✓	<input type="checkbox"/>
Repeat and rotate a linear measurement	✓	<input type="checkbox"/>
Repeat and rotate an area measurement	✓	<input type="checkbox"/>
Repeat and flip an area measurement	✓	<input type="checkbox"/>

	QSCad	?
<b>Measurement Tools</b>		
Automatically copy a measurement result to the clipboard	✓	<input type="checkbox"/>
Automatically display the quantity after each measurement	✓	<input type="checkbox"/>
Create and save Project Dimensions for use elsewhere	✓	<input type="checkbox"/>
Make a Quick Linear Measurement and add to Project Dimensions	✓	<input type="checkbox"/>
Make a Quick Area Measurement and add to Project Dimensions	✓	<input type="checkbox"/>
Draw your own measurement guidelines	✓	<input type="checkbox"/>
Draw your own measurement guidelines and define an offset	✓	<input type="checkbox"/>
Calculate a curve Radius with a single click	✓	<input type="checkbox"/>
Add Text Notes to a Drawing	✓	<input type="checkbox"/>
Add Voice Notes to a Drawing	✓	<input type="checkbox"/>
Add Text to a Drawing	✓	<input type="checkbox"/>
Create a Take Off List	✓	<input type="checkbox"/>
Calculate the Angle between two lines	✓	<input type="checkbox"/>
<b>GRAPHICAL OUTPUT</b>		
<b>Measurement References</b>		
Print Drawing with Unique ID allocated to each measurement	✓	<input type="checkbox"/>
Print Drawing with Description allocated to each measurement	✓	<input type="checkbox"/>
Print Drawing with Quantity displayed for each measurement	✓	<input type="checkbox"/>
Print Drawing with Area and Perimeter quantity displayed for each measurement	✓	<input type="checkbox"/>
Select Font for Measurement References	✓	<input type="checkbox"/>
Select Text Height for Measurement References	✓	<input type="checkbox"/>
Move a Measurement Reference	✓	<input type="checkbox"/>
Option to position Measurement Reference after each measurement	✓	<input type="checkbox"/>
<b>Legend</b>		
Create one or more legends from the measurements within the drawing	✓	<input type="checkbox"/>
Select which items should appear in the legend	✓	<input type="checkbox"/>
Define the symbol size and the text height for legend items	✓	<input type="checkbox"/>
Position the legend on the drawing	✓	<input type="checkbox"/>
Move a legend	✓	<input type="checkbox"/>
Include quantity totals for each item in the legend	✓	<input type="checkbox"/>
<b>Drawing Header</b>		
Position a drawing header on the drawing	✓	<input type="checkbox"/>
Choose to include Project Title, Drawing Title, Visible Layers and Current Date	✓	<input type="checkbox"/>
Move a drawing header	✓	<input type="checkbox"/>
Edit a drawing header to select fonts, etc.	✓	<input type="checkbox"/>
Add your company logo to the drawing	✓	<input type="checkbox"/>
<b>Printing a Drawing</b>		
Print to any Windows Printer	✓	<input type="checkbox"/>
Print Complete drawing	✓	<input type="checkbox"/>
Print an Area of the drawing	✓	<input type="checkbox"/>
Print the Current View	✓	<input type="checkbox"/>
Print to Fit Paper	✓	<input type="checkbox"/>
Print to Scale	✓	<input type="checkbox"/>
Print to span several sheets	✓	<input type="checkbox"/>
Full CAD engine printing functionality	✓	<input type="checkbox"/>
User defined margins	✓	<input type="checkbox"/>
Window and Full Page Print Previews	✓	<input type="checkbox"/>
<b>BASIC RESULTS</b>		
Create a Detailed Summary of measured items	✓	<input type="checkbox"/>
Create a Consolidated Summary with like items combined	✓	<input type="checkbox"/>
Select measurement layers to include in the Summaries	✓	<input type="checkbox"/>
Change the measurement layers included whilst viewing the Detailed Summary	✓	<input type="checkbox"/>
Full Audit trail from Summary back to measurements with Show Me facility	✓	<input type="checkbox"/>
Include Perimeters for Area Measurements	✓	<input type="checkbox"/>
Include calculations from Additional Dimensions where entered	✓	<input type="checkbox"/>
Easily identify items generated by a Component	✓	<input type="checkbox"/>
Combine measurements generated by a Component with those generated normally	✓	<input type="checkbox"/>
Multiply all displayed measurements by a factor	✓	<input type="checkbox"/>
Display Metric and Imperial Quantities on Consolidated Summary	✓	<input type="checkbox"/>

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<b>BASIC RESULTS (Cont'd.)</b>		
Round Quantities on Consolidated Summary	✓	<input type="checkbox"/>
Copy Items from the Summary to the Windows Clipboard for pasting elsewhere	✓	<input type="checkbox"/>
Print Detailed and Consolidated Summaries	✓	<input type="checkbox"/>
Export Detailed and Consolidated Summaries to Excel	✓	<input type="checkbox"/>
Export Consolidated Summary for use in other Masterbill products	✓	<input type="checkbox"/>
Add your company logo to Summaries	✓	<input type="checkbox"/>
<b>DATA ANALYSIS</b>		
Allocate user-defined filter(s) as part of the Measurement process	✓	<input type="checkbox"/>
Allocate user-defined filter(s) retrospectively by selection	✓	<input type="checkbox"/>
Allocate user-defined filter(s) retrospectively by defining an area	✓	<input type="checkbox"/>
Display details of any allocated user-defined filters on the Detailed Summary	✓	<input type="checkbox"/>
Display only measurements that meet user-defined filters criteria on Detailed Summary	✓	<input type="checkbox"/>
Produce Consolidated Summary based on user-defined filters criteria	✓	<input type="checkbox"/>
Special 'Select' Layer which may be populated with similar items or selected items	✓	<input type="checkbox"/>
Detailed Summary of items copied to 'Select' layer	✓	<input type="checkbox"/>
Consolidated Summary of items copied to 'Select' layer	✓	<input type="checkbox"/>
Graphical Output of items copied to 'Select' layer	✓	<input type="checkbox"/>
<b>ADVANCED RESULTS</b>		
Create Summaries from Multiple Drawings (e.g. Floors 1-10)	✓	<input type="checkbox"/>
Apply multiplication factors to drawings in a Multiple Drawing Summary	✓	<input type="checkbox"/>
Quantify a revision using Multiple Drawing Summary	✓	<input type="checkbox"/>
<b>EDITING MEASUREMENTS</b>		
Edit a single measurement by selecting	✓	<input type="checkbox"/>
Edit multiple measurements by selecting	✓	<input type="checkbox"/>
Edit multiple measurements by defining an area	✓	<input type="checkbox"/>
Edit all items with the same description	✓	<input type="checkbox"/>
Move measured items	✓	<input type="checkbox"/>
Copy measured items	✓	<input type="checkbox"/>
Copy individual or multiple items to another layer	✓	<input type="checkbox"/>
Rotate measured items	✓	<input type="checkbox"/>
Delete a single measurement by selecting	✓	<input type="checkbox"/>
Delete multiple measurements by selecting	✓	<input type="checkbox"/>
Delete multiple measurements by defining an area	✓	<input type="checkbox"/>
Recycle Bin layer for all deleted measurements	✓	<input type="checkbox"/>
Restore deleted items from the recycle bin	✓	<input type="checkbox"/>
Edit Text	✓	<input type="checkbox"/>
Change Text Sizes	✓	<input type="checkbox"/>
Edit a point in a length measurement	✓	<input type="checkbox"/>
Edit a point in an area measurement	✓	<input type="checkbox"/>
Trim Linear Measurements to a line or area	✓	<input type="checkbox"/>
Extend Linear Measurements to a line or area	✓	<input type="checkbox"/>
Find Measured Item using measurement reference	✓	<input type="checkbox"/>
<b>WORKING WITH REVISIONS</b>		
Create a new revision of the drawing with a new measurement file	✓	<input type="checkbox"/>
Create a new revision of the drawing re-using existing measurements	✓	<input type="checkbox"/>
<b>IMPORT / EXPORT FACILITIES</b>		
Export a complete project with all drawings and data files	✓	<input type="checkbox"/>
Export a single drawing together with its data file	✓	<input type="checkbox"/>
Import a complete project with all drawings and data files	✓	<input type="checkbox"/>
Import a single drawing together with its data file	✓	<input type="checkbox"/>
Export 'coloured up' drawing to DWG file	✓	<input type="checkbox"/>
'Offline Working' Facilities	✓	<input type="checkbox"/>
Copy Measurements between drawings	✓	<input type="checkbox"/>
<b>HELP SYSTEM</b>		
Windows Help system including index and search facilities	✓	<input type="checkbox"/>
Show Me' links from Help system to System Videos located on the QSCad website	✓	<input type="checkbox"/>
Full Manual Available in PDF format	✓	<input type="checkbox"/>





# QSCad v3 Siteworks takes Cut and Fill Measurement to a whole new level.

	QSCad	?
<b>SITWORKS SETUP</b>		
Overlay and Align Existing and Proposed drawings	✓	<input type="checkbox"/>
Specify the calculation grid centres to suit the project/site	✓	<input type="checkbox"/>
Specify the centres at which to sample contours	✓	<input type="checkbox"/>
Specify the minimum number of points acceptable for the measurement of an area	✓	<input type="checkbox"/>
Select the depths categories to be used for excavation measurement with presets for		
SMM7	✓	<input type="checkbox"/>
CESMM3	✓	<input type="checkbox"/>
MMHW(4)	✓	<input type="checkbox"/>
POM(1)	✓	<input type="checkbox"/>
ARM3	✓	<input type="checkbox"/>
Specify the depth categories to be used for filling measurement	✓	<input type="checkbox"/>
Specify which siteworks information will be displayed together with colours etc.	✓	<input type="checkbox"/>
Specify Low and High parameters for siteworks information to trap errors	✓	<input type="checkbox"/>
<b>EXISTING SITE INFORMATION</b>		
<b>Existing Levels - Spot Heights</b>		
Enter existing levels by selecting spot heights on the CAD drawing	✓	<input type="checkbox"/>
Enter existing levels manually by identifying where they apply	✓	<input type="checkbox"/>
Specify an existing level for a user-defined area	✓	<input type="checkbox"/>
Amend previously entered levels	✓	<input type="checkbox"/>
Delete previously entered existing levels by selecting individual levels	✓	<input type="checkbox"/>
Delete previously entered existing levels within a user-defined area	✓	<input type="checkbox"/>
Delete all previously entered existing levels	✓	<input type="checkbox"/>
Import Finished Levels from a previous drawing as Existing Levels	✓	<input type="checkbox"/>
<b>Existing Levels - Contours</b>		
Enter existing levels by selecting and importing Contours	✓	<input type="checkbox"/>
Enter existing levels by tracing/drawing Contours	✓	<input type="checkbox"/>
Interpolate Contours to the levels grid	✓	<input type="checkbox"/>
Amend previously entered Contours	✓	<input type="checkbox"/>
Delete previously entered Contours	✓	<input type="checkbox"/>
<b>Topsoil Depths</b>		
Enter topsoil depths by selecting depths on the CAD drawing	✓	<input type="checkbox"/>
Enter topsoil depths manually by identifying where they apply	✓	<input type="checkbox"/>
Specify a user-defined area(s) where topsoil depths apply	✓	<input type="checkbox"/>
Amend previously entered topsoil depths	✓	<input type="checkbox"/>
Delete previously entered topsoil depths	✓	<input type="checkbox"/>
<b>Minimum Site Strip</b>		
Enter minimum strip depths by selecting depths on the CAD drawing	✓	<input type="checkbox"/>
Enter minimum strip depths manually by identifying where they apply	✓	<input type="checkbox"/>
Specify a user-defined area(s) where minimum strip depths apply	✓	<input type="checkbox"/>
Amend previously entered minimum strip depths	✓	<input type="checkbox"/>
Delete previously entered minimum strip depths	✓	<input type="checkbox"/>
<b>Water Table Levels</b>		
Enter water table levels by selecting depths on the CAD drawing	✓	<input type="checkbox"/>
Enter water table levels/depths by identifying where they apply	✓	<input type="checkbox"/>
Specify a user-defined area(s) where water table levels apply	✓	<input type="checkbox"/>
Amend previously entered water table levels/depths	✓	<input type="checkbox"/>
Delete previously entered water table levels/depths	✓	<input type="checkbox"/>

	QSCad	?
<b>Rock Levels</b>		
Enter rock levels by selecting depths on the CAD drawing	✓	<input type="checkbox"/>
Enter rock levels/depths manually by identifying where they apply	✓	<input type="checkbox"/>
Specify a user-defined area(s) where rock levels apply	✓	<input type="checkbox"/>
Amend previously entered rock levels/depths	✓	<input type="checkbox"/>
Delete previously entered rock levels/depths	✓	<input type="checkbox"/>
<b>General</b>		
Import levels information from a file created in another drawing	✓	<input type="checkbox"/>
Export levels information to a file for use in another drawing	✓	<input type="checkbox"/>
<b>PROPOSED CONSTRUCTION AND LEVELS</b>		
<b>Construction Details</b>		
Create multiple user-defined libraries of standard Construction Details	✓	<input type="checkbox"/>
Create a user-defined drawing library of standard Construction Details	✓	<input type="checkbox"/>
Stores complete Construction Build-up including Descriptions and Depths to enable complete construction to be measured in one action	✓	<input type="checkbox"/>
Standard Library of Descriptions to assist in creation of Construction Build-ups	✓	<input type="checkbox"/>
Automatic inclusion of compaction items for granular materials	✓	<input type="checkbox"/>
<b>Measurement</b>		
Siteworks area measurement using mouse clicks as coordinates	✓	<input type="checkbox"/>
Siteworks area measurement using 'snapping' functions	✓	<input type="checkbox"/>
Undo last point facility	✓	<input type="checkbox"/>
Siteworks area measurement by copying/converting a 'Basic' area	✓	<input type="checkbox"/>
Assign Finished levels by selecting levels on the CAD drawing	✓	<input type="checkbox"/>
Assign Finished levels manually by identifying where they apply	✓	<input type="checkbox"/>
Assign Finished levels by interpolation between two known levels	✓	<input type="checkbox"/>
<b>Measurement Validation / Checking</b>		
Display Interpolated Finished Levels for a selected Siteworks Areas	✓	<input type="checkbox"/>
Display Interpolated Finished Levels for all Siteworks Areas within a user-defined area	✓	<input type="checkbox"/>
Display Interpolated Finished Levels for all Siteworks Areas	✓	<input type="checkbox"/>
Display Interpolated Finished Levels points that are more than a specified distance from an entered value for selected Siteworks Areas	✓	<input type="checkbox"/>
Display Interpolated Finished Levels points that are more than a specified distance from an entered value for all Siteworks Areas within a user-defined area	✓	<input type="checkbox"/>
Display Interpolated Finished Levels points that are more than a specified distance from an entered value for all Siteworks Areas	✓	<input type="checkbox"/>
Obtain all levels information for a selected random point on the drawing	✓	<input type="checkbox"/>
Calculate average Existing Level for a user-defined area	✓	<input type="checkbox"/>
Calculate average Topsoil Depth for a user-defined area	✓	<input type="checkbox"/>
Calculate average Minimum Strip Depth for a user-defined area	✓	<input type="checkbox"/>
Calculate average Water Table Level for a user-defined area	✓	<input type="checkbox"/>
Calculate average Rock Level for a user-defined area	✓	<input type="checkbox"/>
<b>RESULTS</b>		
Create a Detailed Summary of measured items	✓	<input type="checkbox"/>
Select measurement layers to include in the Summaries	✓	<input type="checkbox"/>
Change the measurement layers included whilst viewing the Detailed Summary	✓	<input type="checkbox"/>
Full Audit trail from Summary back to measurements with Show Me facility	✓	<input type="checkbox"/>
Print Detailed Summary	✓	<input type="checkbox"/>
Export Detailed Summary to Excel	✓	<input type="checkbox"/>

	QSCad	?
<b>RESULTS (Cont'd.)</b>		
Produce a Draft BQ in SMM7 format	✓	<input type="checkbox"/>
Produce a Draft BQ in CESMM3 format	✓	<input type="checkbox"/>
Produce a Draft BQ in MMHW(4) format	✓	<input type="checkbox"/>
Produce a Draft BQ in POM(I) format	✓	<input type="checkbox"/>
Produce a Draft BQ in ARM3 format	✓	<input type="checkbox"/>
Separate Minimum Site Strip quantities in Draft BQ	✓	<input type="checkbox"/>
Annotate Descriptions in Draft BQ	✓	<input type="checkbox"/>
Round quantities in Draft BQ	✓	<input type="checkbox"/>
Create and print a Grid Point Schedule detailing all known information for each and every grid point	✓	<input type="checkbox"/>
<b>GRAPHICAL OUTPUT</b>		
<b>Siteworks Information</b>		
Create, display and print Grid Point Information on the drawing	✓	<input type="checkbox"/>
Create, display and print Cut and Fill Lines for selected Siteworks Areas	✓	<input type="checkbox"/>
Create, display and print Cut and Fill Lines for all Siteworks Areas	✓	<input type="checkbox"/>
<b>Legend</b>		
Create one or more legends from the measurements within the drawing	✓	<input type="checkbox"/>
Select which items should appear in the legend	✓	<input type="checkbox"/>
Define the symbol size and the text height for legend items	✓	<input type="checkbox"/>
Position the legend on the drawing	✓	<input type="checkbox"/>
Move a legend	✓	<input type="checkbox"/>
Delete individual or multiple items from a legend	✓	<input type="checkbox"/>
<b>Drawing Header</b>		
Position a drawing header on the drawing	✓	<input type="checkbox"/>
Choose to include Project Title, Drawing Title, Visible Layers and Current Date	✓	<input type="checkbox"/>
Move a drawing header	✓	<input type="checkbox"/>
Edit a drawing header to select fonts, etc.	✓	<input type="checkbox"/>
<b>Printing a Drawing</b>		
Print to any Windows Printer	✓	<input type="checkbox"/>
Print Complete drawing	✓	<input type="checkbox"/>
Print an Area of the drawing	✓	<input type="checkbox"/>
Print the Current View	✓	<input type="checkbox"/>
Print to Fit Paper	✓	<input type="checkbox"/>
Print to Scale	✓	<input type="checkbox"/>
Print to span several sheets	✓	<input type="checkbox"/>
Full CAD engine printing functionality	✓	<input type="checkbox"/>
User defined margins	✓	<input type="checkbox"/>
User defined line widths	✓	<input type="checkbox"/>
Window and Full Page Print Previews	✓	<input type="checkbox"/>
<b>Siteworks Graphics</b>		
Shade and Print the plan to show values for...		<input type="checkbox"/>
Existing Levels	✓	<input type="checkbox"/>
Topsoil Depths	✓	<input type="checkbox"/>
Minimum Site Strip Levels	✓	<input type="checkbox"/>
Water Table Levels	✓	<input type="checkbox"/>
Rock Levels	✓	<input type="checkbox"/>
Finished Levels	✓	<input type="checkbox"/>
Formation Levels	✓	<input type="checkbox"/>
Cut and Fill	✓	<input type="checkbox"/>
Create and Print a 3D model, Section or Contour display to show...		<input type="checkbox"/>
Existing Levels	✓	<input type="checkbox"/>
Topsoil Depths	✓	<input type="checkbox"/>
Minimum Site Strip Levels	✓	<input type="checkbox"/>
Water Table Levels	✓	<input type="checkbox"/>
Rock Levels	✓	<input type="checkbox"/>
Finished Levels	✓	<input type="checkbox"/>
Formation Levels	✓	<input type="checkbox"/>

	QSCad	?
<b>DATA ANALYSIS</b>		
Allocate user-defined filter(s) as part of the Measurement process	✓	<input type="checkbox"/>
Allocate user-defined filter(s) retrospectively by selection	✓	<input type="checkbox"/>
Allocate user-defined filter(s) retrospectively by defining an area	✓	<input type="checkbox"/>
Display details of any allocated user-defined filters on the Detailed Summary	✓	<input type="checkbox"/>
Display only measurements that meet user-defined filters criteria on Detailed Summary	✓	<input type="checkbox"/>
Special 'Select' Layer which may be populated with similar items or selected items	✓	<input type="checkbox"/>
Detailed Summary of items copied to 'Select' layer	✓	<input type="checkbox"/>
Consolidated Summary of items copied to 'Select' layer	✓	<input type="checkbox"/>
Graphical Output of items copied to 'Select' layer	✓	<input type="checkbox"/>
Ability to carry out 'what if' calculations by moving and recalculating Siteworks Areas	✓	<input type="checkbox"/>
<b>EDITING MEASUREMENTS</b>		
Edit a single measurement by selecting	✓	<input type="checkbox"/>
Edit multiple measurements by selecting	✓	<input type="checkbox"/>
Edit multiple measurements by defining an area	✓	<input type="checkbox"/>
Edit all items with the same description	✓	<input type="checkbox"/>
Move measured items	✓	<input type="checkbox"/>
Copy measured items	✓	<input type="checkbox"/>
Rotate measured items	✓	<input type="checkbox"/>
Delete a single measurement by selecting	✓	<input type="checkbox"/>
Delete multiple measurements by selecting	✓	<input type="checkbox"/>
Delete multiple measurements by defining an area	✓	<input type="checkbox"/>
Recycle Bin layer for all deleted measurements	✓	<input type="checkbox"/>
Restore deleted items from the recycle bin	✓	<input type="checkbox"/>
Edit Text	✓	<input type="checkbox"/>
Change Text Sizes	✓	<input type="checkbox"/>
Edit a point in an area measurement	✓	<input type="checkbox"/>
<b>RECALCULATION</b>		
Recalculate selected Siteworks Areas	✓	<input type="checkbox"/>
Recalculate selected Siteworks Areas within a user-defined area	✓	<input type="checkbox"/>
Recalculate all Siteworks Areas	✓	<input type="checkbox"/>
<b>OPTIMISATION</b>		
Optimise the Proposed Levels by Volume (balancing Cut and Fill)	✓	<input type="checkbox"/>
Optimise the Proposed Levels by Cost	✓	<input type="checkbox"/>
Specify the following Optimisation Settings...		<input type="checkbox"/>
The centres above and below the proposed levels to use for optimisation calculations	✓	<input type="checkbox"/>
Excavation costs for each depth category	✓	<input type="checkbox"/>
Excavated material Disposal Costs	✓	<input type="checkbox"/>
Minimum Site Strip Disposal Costs	✓	<input type="checkbox"/>
Extra over cost for excavating below Water Table level	✓	<input type="checkbox"/>
Extra over cost for breaking up Rock	✓	<input type="checkbox"/>
Additional Filling Types for each type of construction	✓	<input type="checkbox"/>
Filling Costs for filling under each type of Construction	✓	<input type="checkbox"/>
Recalculate ten possible siteworks scenarios based on Optimisation Settings	✓	<input type="checkbox"/>
View an Optimisation summary detailing the quantities and costs of the Cut and Fill based upon the Optimisation Settings	✓	<input type="checkbox"/>
<b>HELP SYSTEM</b>		
Windows Help system including index and search facilities	✓	<input type="checkbox"/>
Show Me' links from Help system to System Videos located on the QSCad website	✓	<input type="checkbox"/>
Manual available in Pdf format	✓	<input type="checkbox"/>
<b>USER MANAGEMENT</b>		
Release the Siteworks module licence so that others may use it.	✓	<input type="checkbox"/>
Find out who is using the Siteworks module licence.	✓	<input type="checkbox"/>





# QSCad v3 Drainage is full of new and improved features

	QSCad	?
<b>DRAINAGE DETAILS/SETUP</b>		
Use Standard Library of Details or add user-defined details for...		
Drainage Pipes	✓	<input type="checkbox"/>
Circular Concrete Manholes	✓	<input type="checkbox"/>
Rectangular Concrete Manholes	✓	<input type="checkbox"/>
Brickwork Manholes	✓	<input type="checkbox"/>
Deep Plastic Manholes	✓	<input type="checkbox"/>
Plastic Inspection Chambers	✓	<input type="checkbox"/>
Circular Concrete Catchpits	✓	<input type="checkbox"/>
Concrete Soakaways	✓	<input type="checkbox"/>
Plastic Cellular Soakaways	✓	<input type="checkbox"/>
Petrol Interceptors	✓	<input type="checkbox"/>
Covers and Frames	✓	<input type="checkbox"/>
Surface Finishes	✓	<input type="checkbox"/>
Fittings	✓	<input type="checkbox"/>
Define Non-SMM trench widths for deep excavation EWS	✓	<input type="checkbox"/>
Define existing site Rock Levels/Depths	✓	<input type="checkbox"/>
Define existing site Water Table Levels/Depths	✓	<input type="checkbox"/>
Define default Cover types for each Surface Finish	✓	<input type="checkbox"/>
<b>MEASUREMENT</b>		
Measure Individual Manholes etc. on the drawing by plotting and providing required information	✓	<input type="checkbox"/>
Measure Individual Fittings etc. on the drawing by plotting and providing required information	✓	<input type="checkbox"/>
Measure Drain Runs by plotting and providing required information	✓	<input type="checkbox"/>
Measure Drain Run branches by plotting & joining to other Drain Runs.	✓	<input type="checkbox"/>
Specify where a Drain Run changes Surface Finish	✓	<input type="checkbox"/>
Specify details at start and finish of Drain Run	✓	<input type="checkbox"/>
Specify the details of any Backdrops	✓	<input type="checkbox"/>
Specify Working Space measurement when measuring a Manhole	✓	<input type="checkbox"/>
Calculate Inverts based on known points and falls	✓	<input type="checkbox"/>
<b>RESULTS</b>		
Produce a Fully Detailed Drainage Schedule for ...		
Drainage Pipes	✓	<input type="checkbox"/>
Circular Concrete Manholes	✓	<input type="checkbox"/>
Rectangular Concrete Manholes	✓	<input type="checkbox"/>
Brickwork Manholes	✓	<input type="checkbox"/>
Deep Plastic Manholes	✓	<input type="checkbox"/>
Plastic Inspection Chambers	✓	<input type="checkbox"/>
Circular Concrete Catchpits	✓	<input type="checkbox"/>
Concrete Soakaways	✓	<input type="checkbox"/>
Plastic Cellular Soakaways	✓	<input type="checkbox"/>
Petrol Interceptors	✓	<input type="checkbox"/>
Covers and Frames	✓	<input type="checkbox"/>
Surface Finishes	✓	<input type="checkbox"/>
Fittings	✓	<input type="checkbox"/>
Produce a Draft BQ in SMM7, CESMM3, MMHW(4), POM(I), and ARM3 formats for...		
Drainage Pipes	✓	<input type="checkbox"/>
Circular Concrete Manholes	✓	<input type="checkbox"/>
Rectangular Concrete Manholes	✓	<input type="checkbox"/>
Brickwork Manholes	✓	<input type="checkbox"/>
Deep Plastic Manholes	✓	<input type="checkbox"/>
Plastic Inspection Chambers	✓	<input type="checkbox"/>
Circular Concrete Catchpits	✓	<input type="checkbox"/>
Concrete Soakaways	✓	<input type="checkbox"/>
Plastic Cellular Soakaways	✓	<input type="checkbox"/>
Petrol Interceptors	✓	<input type="checkbox"/>

	QSCad	?
<b>RESULTS (Cont'd.)</b>		
Covers and Frames	✓	<input type="checkbox"/>
Surface Finishes	✓	<input type="checkbox"/>
Fittings	✓	<input type="checkbox"/>
Produce user-defined Combined Summary or BQ from above categories	✓	<input type="checkbox"/>
<b>GRAPHICAL OUTPUT</b>		
<b>Legend</b>		
Create one or more legends from the measurements within the drawing	✓	<input type="checkbox"/>
Select which items should appear in the legend	✓	<input type="checkbox"/>
Define the symbol size and the text height for legend items	✓	<input type="checkbox"/>
Position the legend on the drawing	✓	<input type="checkbox"/>
Move a legend	✓	<input type="checkbox"/>
Delete individual or multiple items from a legend	✓	<input type="checkbox"/>
<b>Drawing Header</b>		
Position a drawing header on the drawing	✓	<input type="checkbox"/>
Choose to include Project Title, Drawing Title, Visible Layers and Current Date	✓	<input type="checkbox"/>
Move a drawing header	✓	<input type="checkbox"/>
Edit a drawing header to select fonts, etc.	✓	<input type="checkbox"/>
<b>Printing a Drawing</b>		
Print to any Windows Printer	✓	<input type="checkbox"/>
Print Complete drawing	✓	<input type="checkbox"/>
Print an Area of the drawing	✓	<input type="checkbox"/>
Print the Current View	✓	<input type="checkbox"/>
Print to Fit Paper	✓	<input type="checkbox"/>
Print to Scale	✓	<input type="checkbox"/>
Print to span several sheets	✓	<input type="checkbox"/>
Full CAD engine printing functionality	✓	<input type="checkbox"/>
User defined margins	✓	<input type="checkbox"/>
User defined line widths	✓	<input type="checkbox"/>
Window and Full Page Print Previews	✓	<input type="checkbox"/>
<b>DATA ANALYSIS</b>		
Allocate user-defined filter(s) as part of the Measurement process	✓	<input type="checkbox"/>
Allocate user-defined filter(s) retrospectively by selection	✓	<input type="checkbox"/>
Allocate user-defined filter(s) retrospectively by defining an area	✓	<input type="checkbox"/>
Display details of any allocated user-defined filters on the Detailed Summary	✓	<input type="checkbox"/>
Display only measurements that meet user-defined filters criteria on Detailed Summary	✓	<input type="checkbox"/>
<b>EDITING MEASUREMENTS</b>		
Edit a single measurement by selecting	✓	<input type="checkbox"/>
Move measured items	✓	<input type="checkbox"/>
Rotate measured items	✓	<input type="checkbox"/>
Delete a single measurement by selecting	✓	<input type="checkbox"/>
Recycle Bin layer for all deleted measurements	✓	<input type="checkbox"/>
Restore deleted items from the recycle bin	✓	<input type="checkbox"/>
Edit the details at the start and finish of a Drain Run	✓	<input type="checkbox"/>
Recalculate Drainage Measurements after Editing	✓	<input type="checkbox"/>
<b>HELP SYSTEM</b>		
Windows Help system including index and search facilities	✓	<input type="checkbox"/>
Show Me' links from Help system to System Videos located on the QSCad website	✓	<input type="checkbox"/>
Manual available in Pdf format	✓	<input type="checkbox"/>
<b>USER MANAGEMENT</b>		
Release the Drainage module licence so that others may use it.	✓	<input type="checkbox"/>
Find out who is using the Drainage module licence.	✓	<input type="checkbox"/>

