



COMPLETE SITE DESIGN PROJECT WORKFLOW CHECKLIST

**Create site designs with all the capabilities you need to deliver projects faster. True site design software automates the whole workflow so you can finalize your design 20% faster.**

When designing a site, you need to know the intricate details of the piece of land that you are looking to develop. Ensuring your software can successfully help you plan, analyze, prepare, and design a site from start to finish can make a big difference to the quality of project outcomes. Robust site design software allows you to meet adequate design, time, and budget constraints to build resilient, fit-for-purpose sites that work in the real world, without the need for multiple software or expert skills.

You need to optimize each part of the design process to ensure that every inch of ground is used wisely, and get your questions answered quickly. It means ensuring that all design alternatives are considered prior to making a final decision, so you do not pay too much to achieve your goal, limit your design's potential, or need to make complete costly rework further down the line. Overcoming obstacles in the design phase means you can get the site finished sooner and start producing income quicker.

Use the checklist below to compare your current software with OpenSite<sup>®</sup>. Can your current software do all the following in minutes?

The benefits of a complete site design solution:	OpenSite	Current software
<b>Import imagery and topography</b> to extract terrain information	◆	
<b>Integrate engineering data</b> (e.g., stormwater drainage, utilities, land surveying)	◆	
<b>Create scalable terrain models (STMs)</b>	◆	
<b>Create subsurface terrains from boring data</b>	◆	
<b>Visualize and annotate borings in 2D and 3D</b>	◆	
<b>Create custom site design elements</b> (i.e., parking lots, parcels, driveways)	◆	
<b>Configure sites with parametric interaction</b> between parking areas and buildings	◆	
<b>Create sidewalks</b> with controlled locations, width, material type, and grading slope control	◆	
<b>Control shoulder width, buffers, slope, ditch offset, and ditch slope</b>	◆	
<b>Adjust parcel requirements</b> in line with your desired specifications	◆	
<b>Automatically adjust design</b> based on changes	◆	
<b>Compare alternative design scenarios</b>	◆	
<b>One-click grading optimization</b> based on site configuration and construction cost	◆	
<b>Customize grading:</b> min/max slopes, link heights, and elevation control	◆	
<b>Create intelligent, data-rich, and lightweight terrain models</b>	◆	
<b>Create complex and clipped terrain models</b>	◆	
<b>Create 3D utility models</b> relative to topography and alignments	◆	
<b>Calculate pond volumes</b>	◆	

## COMPLETE SITE DESIGN PROJECT WORKFLOW CHECKLIST

The benefits of a complete design solution:	OpenSite	Current software
<b>Create/generate cross sections and profiles</b> along alignments, graphics, or between points	◆	
<b>Generate linear, area, and volume quantities</b>	◆	
<b>Extract quantity take-offs for estimating</b>	◆	
<b>Interrogate the intelligent data-rich 3D models</b>	◆	
<b>Model intelligent 3D real-world civil features</b> (ditches, curbs, trees, and culverts)	◆	
<b>Create horizontal/vertical by PI method or by elements</b>	◆	
<b>Perform design checks dynamically</b> or in batch processes	◆	
<b>Generate XML, PDFs, and 3D PDFs</b>	◆	
<b>Create realistic visualizations</b> to support stakeholder buy-in	◆	

It is time to consider Bentley's OpenSite. Save time, improve designs, optimize, and create exceptional visualizations in minutes. Improvements in your workflow will help you save time and money, build an impeccable reputation with your clients, and win more business.

[LEARN MORE](#)