

Standardization Streamlines Success

Untangling Technology Is No Easy Task Until You Ask For Help



There is never a dull day in design. As a technology consultant and team lead for one of the largest AEC technology and consulting firms in the United States, my work with civil engineering clients puts me in constant contact with change. Be it horizontal or vertical, going up or going in the ground, no matter what's being developed, at almost every architecture or engineering firm and in public works departments across the county, the hands doing the work use layers of technology to design it.

In responding to change, many design firms and public agencies have been forced to cobble software technologies together. As it accumulates, proficiency becomes increasingly

complex, and various employees become more skilled at navigating it than others. In many cases, lesser-skilled employees routinely disrupt more-skilled navigators with

questions about technology. Eventually, updating such a system becomes a full-time job, then a never-ending task. Whereas in the early days of BIM, there was a drive to see who could get the most out of REVIT or Civil 3D, fully harnessing the tremendous power of today's design and construction technologies is virtually impossible without the support of a dedicated technology consultant.

VinZero U.S. CAD provides design and construction technology solutions that allow AEC professionals to unleash their creative



By Ron Couillard

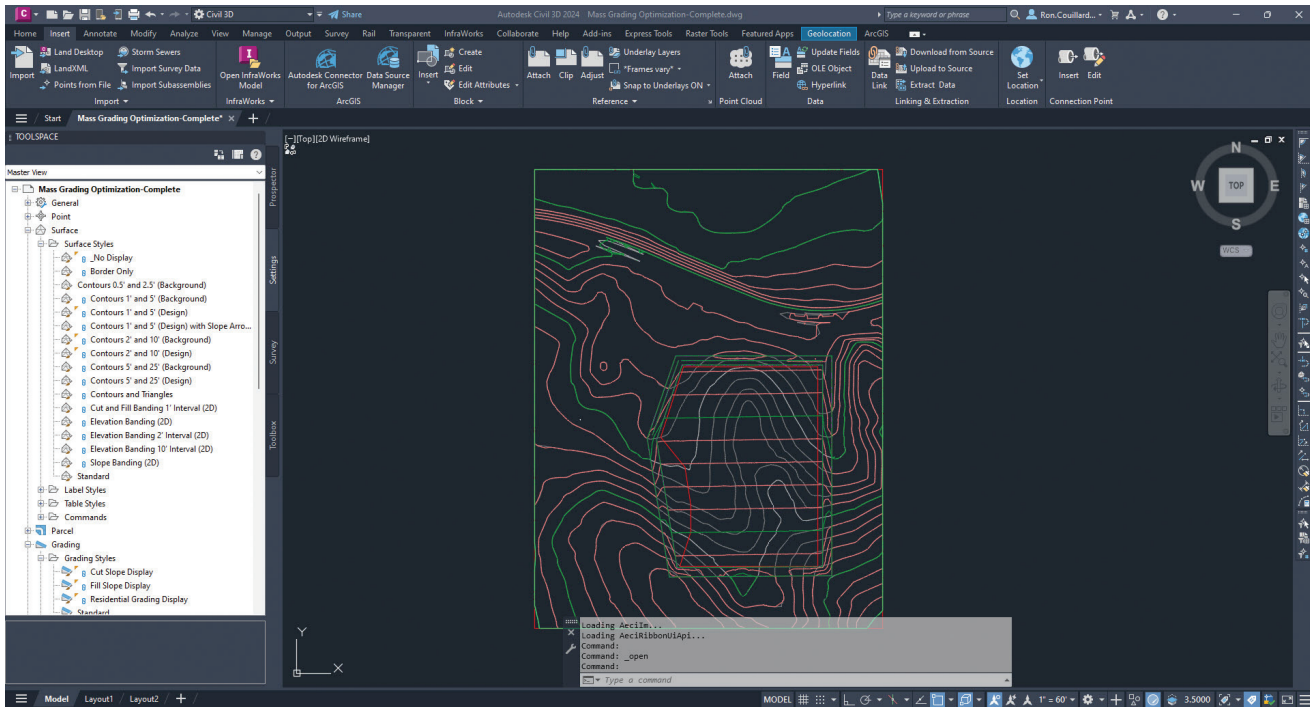


Image shows the settings tab in Civil 3D which has styles and settings from a CAD Standards Template.

capacity regardless of their software proficiencies. One of the most-important ways technology consultants can help creative minds in engineering and architecture thrive is through the incredible capacity for standardization among technological systems and solutions. As an Autodesk Authorized Platinum Partner in North America, VinZero U.S. CAD holds many elite authorizations and specializations in a multitude of software solutions. This allows us to provide Autodesk products and best-in-class customer service and support through dedicated consulting services.

To this point, VinZero U.S. CAD has worked with hundreds of private firms in design and construction, government agencies large and small, and public works teams with inhouse designers on built-environment challenges of nearly every sort. Common to them all is the opportunity to improve processes, create efficiencies, and discover better ways of designing and building. What we consistently find is that the laymen's incapacity to harmoniously optimize technological systems remains exceptionally fertile ground for tangible and profitable gains in efficiency, coordination, clarity and buildability.

As a globally recognized leader in CAD and 3D modeling software, Autodesk offers more than 90 products spanning the full spectrum of architectural, civil, structural, MEP and construction needs. Conversely, bundling a host of unaffiliated but compatible software products together requires a continual commitment to each software's accessory products.

Take the case of an aviation engineering firm that works on runways, taxiways and aprons involving specific turning radius for potentially hundreds of different aircraft. The engineering firm uses an add-on service to get those dimensions but also maintains dozens of similar subscriptions for data on navigational aids, radar, lighting, communications systems and other vital information. Not only are the add-ons costly, but continually updating, tracking and troubleshooting all the various parts and pieces of disparate systems is time-consuming and

frequently frustrating. Through a full Autodesk subscription and the dedicated customer support of a certified technology partner, engineers, designers and builders don't need to worry about any of that. Rather, they are provided with an exceptionally robust set of tools that will always be up-to-date and worry-free, with immediate access to a better-than-your-very-best level of expertise on any system or topic.

They say time is money. I say time is time, and nothing is more valuable. VinZero U.S. CAD's onboarding process involves a comprehensive client assessment to not only establish a baseline for meeting technology users where they are, but to also establish or foster a meaningful business relationship with our customers. After expectations and needs are known, our consultant teams direct the efficient application of software solutions across the organic lifecycle of a real-world project. By taking one project from cradle to completion and into everyday use, VinZero U.S. CAD mentors clients through immersive, experiential customized training modules that add quantifiable ease and value to the work in progress. In many cases, the increased efficiency of the pilot project pays for the technology upgrade.

Once your software is synchronized and the competency of all users is enhanced through automation, your best resources can do what you pay them for without having to be everyone's technology expert. Standardization then allows your unbundled, go-getters to pursue efficiencies such as pulling templated road sections and bridge typologies from specific DOTs to streamline design or integrating the troves of GIS data that already exist at many government agencies. The possibilities are endless.

If the 21st Century has taught us anything, it's that change is coming. Whatever your need, whatever your level, when it comes to untangling the complexities of design and construction technology, VinZero U.S. CAD can help standardize success.

Learn more about VinZero U.S. CAD at www.uscad.com. **II**