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Underground Utility Estimating Software to Speed Up Storm, Sewer, and Water Estimates

Trench and Pipe Detail

Takeoff lengths and counts of pipe, laterals, joints, valves, and other fixtures with ease. Quickly model trench profiles calculating the volume of excavation, backfill, and bedding required against any surface and analyze data by depth bracket to ensure efficient construction. Import pipe invert and rim profiles from CAD or PDF or enter information onscreen without entering your data twice. Available as a Gradework add-on or stand-alone.

Clash Detection

Resolve issues in the office before they become an expensive problem in the field with powerful clash detection algorithms. Find clashes between pipe classes and specify clearance parameters to ensure costly issues are avoided. Bring your pipe and trench data to life with rich 3D graphics to see issues and create alternative construction scenarios. Synchronize data to mobile apps putting actionable information in your team's hands.

Depths, Brackets, Phasing & Classes

Break your job into phases of construction and utility-specific classes: sewer, storm, water, electrical, and telecommunications. Calculate excavation volumes by depth brackets and visualize strata layers to ensure accurate bidding quantities. Visualize and interact with data via an intuitive graphic interface. Export trench models for machine control systems and monitor progress throughout construction to track against your plan.

Machine Control

Create machine control pipe models with speed and simplicity for Leica, Topcon, Trimble, and other heavy equipment manufacturer's GPS systems. Whether you are running a single brand or a mixed fleet, we make the data prep simple.

Underground is available as stand-alone or as an add-on to Gradework