

Services Summary



Takeoff-Site Civil 2D

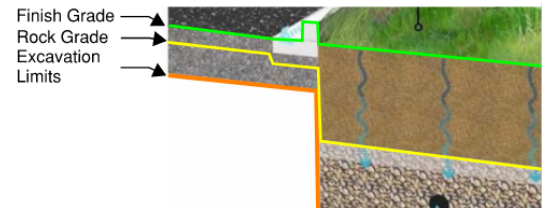
- **Advantage:** This service will help free up time for your estimators and allow you to focus on bidding more work.
- Provide bid quantity verification of site civil work, for areas, lengths, and a summary items.
- Deliverables will include:
 - Summary table of items and their quantities.
 - PDF of the project drawings with takeoff elements labeled and highlighted in a comprehensive format. Using Bluebeam PDF viewer, you will be able to view each element by turning on and off layers.
 - Screenshare session walking you through the take off and answering questions.

Takeoff-Site Civil Earthwork Volume

- **Advantage:** By allowing us to perform the earthwork volume reports, we can help you focus on how you will approach the project. This report will be customized for how you plan to build the job, in addition to a neat line volumes report.
- Perform site excavation takeoff, this option would also include the site civil 2D quantities. Which include in place volumes of rock, asphalt, and soils.
- Deliverables will include:
 - Summary report with custom work areas of interest so that you can bid volumes by activity and type.
 - Screenshare session walking you through the take off and answering questions.

GPS Machine Control-Site Civil Finish Grade

- **Advantage:** With this model your crews will have all civil elements organized in a simple layer structure. Your crew will be able to take this package and run with it, increasing production and eliminating rework.
- Deliverables will include:
 - Top of civil site features elevated from the civil site drawings.
 - RFI's will be generated with the designer if errors are found.
 - Linework cleanup and standardizing layer names for ease of work for the field staff.



GPS Machine Control-Site Civil Top of Rock

- **Advantage:** This model will be tailored to your grading preferences to optimized you construction approach for use with GPS enabled equipment. Customization for depths from one section to the next or phased so you can finish rock up against the curb. Your crew will be able to take this package and run with it, increasing production and eliminating rework.
- Deliverables will include:
 - Surface provided will reflect all top of rock grading limits shown on the site civil or landscape drawings, customized with client preferred transitions.
 - RFI's will be generated with the designer if errors are found.
 - Linework cleanup and standardizing layer names for ease of work for the field staff.

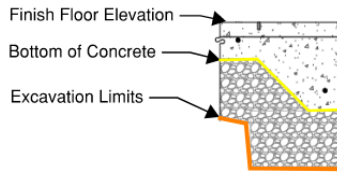
GPS Machine Control-Site Civil Excavation Limits

- **Advantage:** With a custom excavation surface, you'll be able to excavate all site features in one swift pass, or separate those rain garden dig outs from the parking lot grading. But if you want to excavate the limits for a retaining wall while you are doing the general excavation from the site, you will have a continuous surface to get it all in the first pass.
- Deliverables will include:
 - Surface provided will reflect all excavation limits shown on the site civil or landscape drawings, customized with client preferred transitions.
 - RFI's will be generated with the designer if errors are found.

- Linework cleanup and standardizing layer names for ease of work for the field staff.

GPS Machine Control-Site Civil Utilities

- **Advantage:** You'll be able to excavate to the bottom of pipe bedding without the need for a grade checker, leaving your crew available to place bedding rock and install the utilities.
- Deliverables will be:
 - Linework for utilities will be elevated to the depth of flowline, or reflect a surface for digging with the line elevated and a surface to dig to prepared. Details, offsets and custom layouts can be created with client input.



GPS Machine Control-Foundation Bottom of Concrete

- **Advantage:** This surface will be the elevation of the bottom of footings, grade beams and the floor. We can customize this to optimize how you intend to prepare the site. This will free you staff up from layout time, and get on to building the work.

GPS Machine Control-Foundation Bottom of Aggregate Base

- **Advantage:** This service will allow your excavation crew to come in, and dig the site, how you bid the job. We can set a layer to dig the elevator pit along with the spread footings, while preparing the excavation limits for the slab and grade beams. Optimizing your resource onsite, coving an area once.

Services Coming Soon

3D printing of a site

- If you're looking to have a visual for your crew that shows the excavation you planned for, or how you envision the rock grading transitions to look at the curbs. This service will give your operators a physical model to grasp what they are building.

Drone Photo Geometry

- If you are looking for a quick volume check, or a stockpile measurement. This service will give you a quick snapshot of your site. We can also convert these into formats your surveyor can utilize.