

The Farm Works software - Surface is an analysis and design tool for use with Trimble agricultural drainage solution - WM-Drain.

Surface ensures optimal location of pipes and surface drains projects with land leveling surface and underground drainage fields helping to drain properly and increase crop yields. easily superimpose other layers such as yield and soil types to display the field from different perspectives.

### Key features

- Use 3D models of each field, detailing the highs and lows.
- Determine the different areas of watersheds field to facilitate placement of piping main, secondary and lateral drainage.
- Enable flow arrows and tributary lines to facilitate monitoring of surface water flows.
- Use the drawing tools to connect lateral pipes to the main draw, create spacings parallel sides and cut and fasten drain lines.
- Design guide lines planned to continue terraces, limits, and other features.
- Print maps that include useful information such as the length of the pipes and the total amount of all necessary materials.

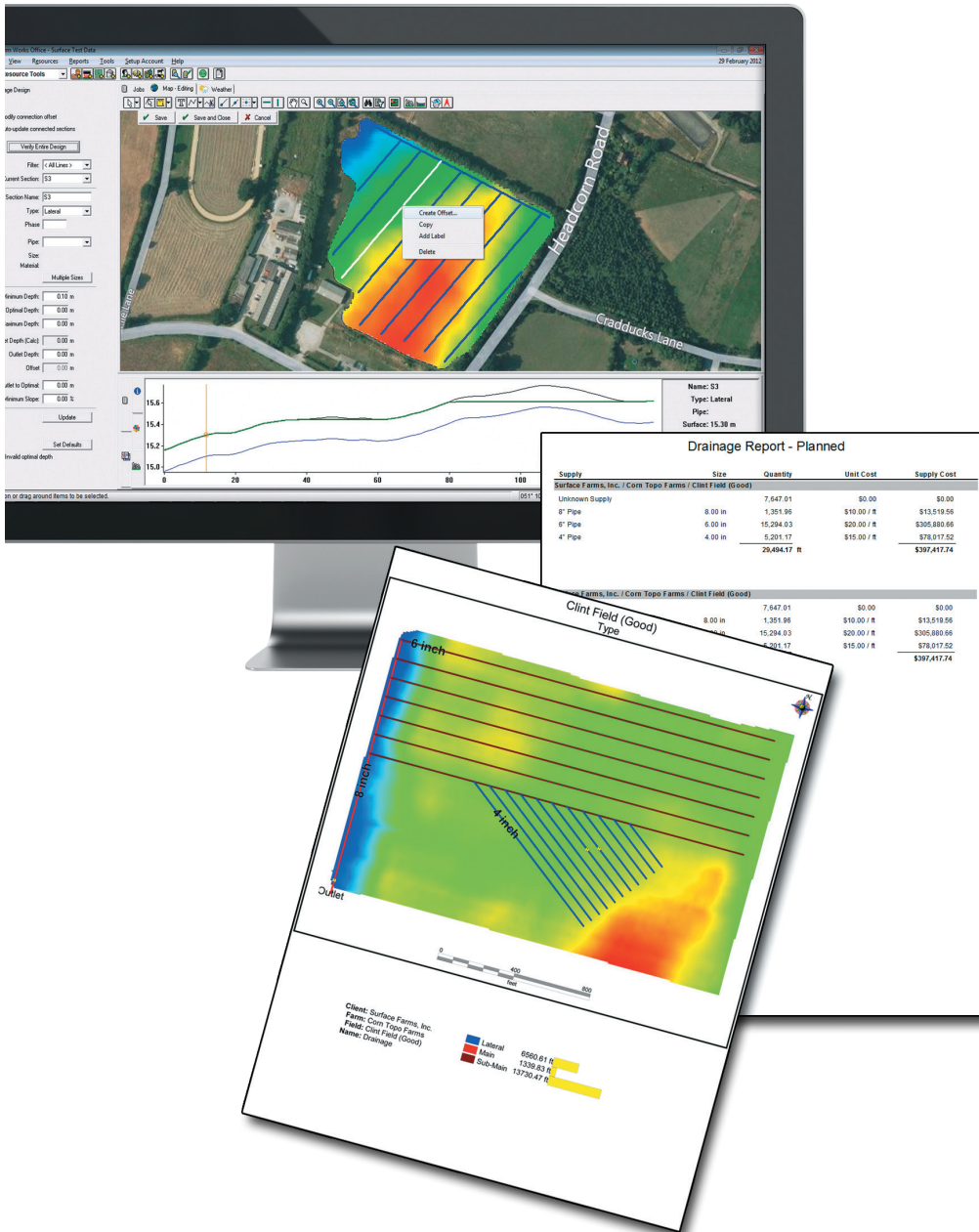
### topographic options

Trimble offers two options for capturing survey data:

1. **Integrated Display FmX:** A popular monitor integrated into the cabin that can be used, after the corresponding license, the WM-Drain solution with a level or GLONASS RTK positioning for mapping topography.
2. **System topographic WM-Topo - Solution** laptop that can be used separately or together with the screen to register FmX topographic data in inaccessible areas such as drains, slopes, muddy fields or fields with established vegetation.

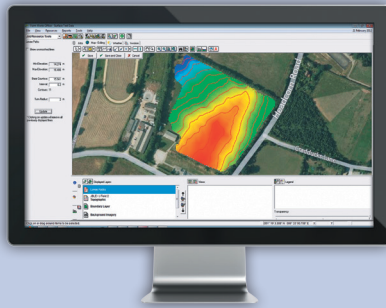
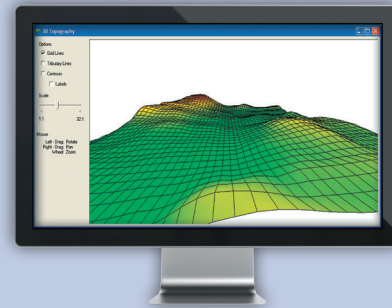
### Data exchange between the office and the field

Connected Farm - eliminates the need to use USB sticks to transfer their drainage systems planned and completed between the office and the field using wireless technology. With Connected Farm you can have faster access to information, and as a result you can make better decisions about managing your farm.



## 3D modeling

- See field survey data in 3D from any angle and exaggerates the vertical to visualize the shape and slope of the field.

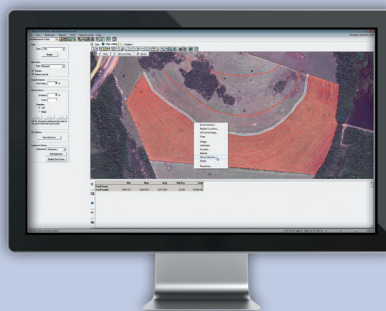
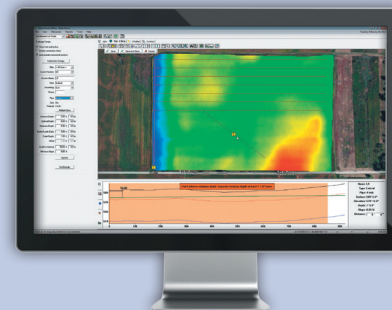


## Creating Contours

- Create contour lines from topographic data based on contour configurations, rotation of the machine and intervals.

## Creating drainage lines

- Use the drawing tools to connect lateral pipes to the main draw, create spacings parallel sides and cut and fasten drain lines.
- Plan and design the drainage system pipe size, pipe type and phase, and then enter the minimum depth, maximum and optimum slope for each.
- Print maps that include useful information such as the length of the pipes and the total amount of all necessary materials.
- Easily adjust the design according to the vertical profile and set or change the direction of water drainage.



## Line Management Advanced Guide

- Design guide lines planned continue terraces, limits, and other features for use with Trimble FmX integrated screen or screen CFX-750™.
- Smoothing use specialized tools and extension / cut so that it can efficiently create precise lines specifically tailored to the characteristics of the field.
- Analyze the number and total length of the lines planned to ensure creating the most optimal for planting passes.
- Keep a guide layer to line features for repeatable guidance for multiple years and operations.

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