

July 2014

Farm Works Software Solutions: Creating a Topographic Map from Other Layers

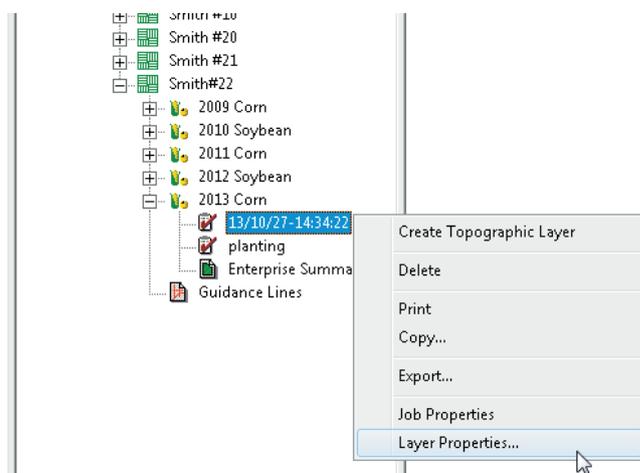
This FAQ describes how to create a topographic map from other layers in the Farm Works™ Surface software. It enables you to use third party elevation data for drainage designs. Earlier versions of the Farm Works Surface software only supported elevation data from the Trimble® FmX® display or the WM-Topo™ survey system, but you can now create a drainage design from elevation collected from yield data or other sources. However, it is recommended that you use elevation data that was mapped with RTK accuracy.

A topographic map can be created from any point layer that contains elevation data – layer attribute data cannot be number data.

You must have accurate GPS elevation data – it is recommended that it is mapped with single baseline or VRS™ RTK corrections.

Verifying the layer attribute

1. Right-click the original layer (the background map or job that has the elevation data) and then select *Layer Properties*:



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- Find the attribute that includes the *Elevation* values:

Layer Properties

Description: 13/10/27-14:34:22

Category: [Dropdown]

Client: Johnny Smith

Farm: Smith Farms

Field: Smith#22

Crop: 2013 Corn

Description	Type	Size	Units	Supply
Elevation	Number	0		
Distance	Distance	2	ft	
Duration	Duration	1	sec	
Width	Width	2	ft	
Heading	Heading	1	°	
Timestamp	Timestamp	0		
Flow	Flow	1	lbs/sec	
Moisture	Moisture	1	%	
Speed	Speed	1	mph	
Mass Yield	Mass Yield	1	lbs/ac	
Wet Yield (Raw)	Number	1	bu/ac	
Dry Yield (Raw)	Number	1	bu/ac	

+ Add

OK Cancel

- If the attribute shows *Number* in the *Type* field, select it and then select *Elevation* from the drop-down list:

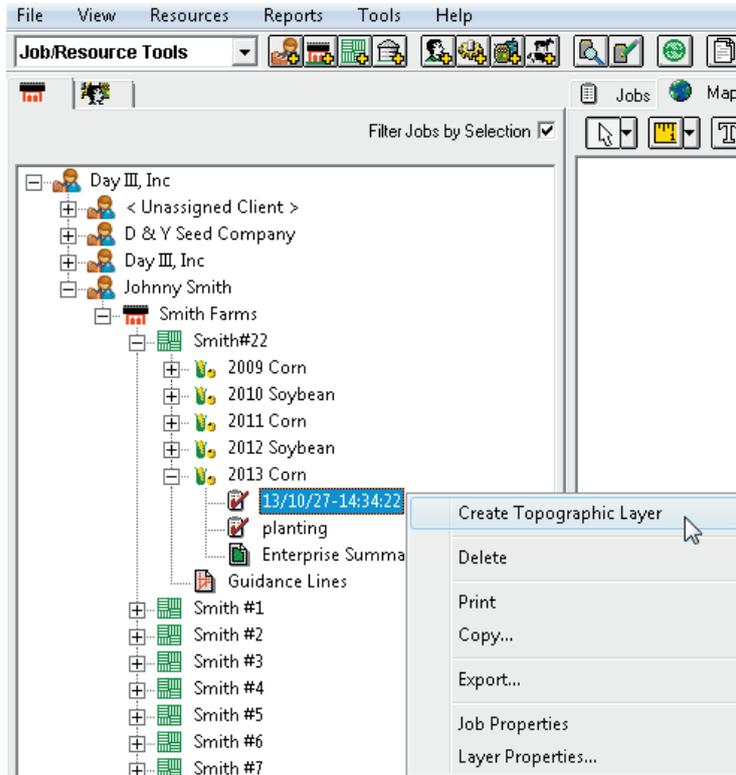
Description	Type	Size	Units	Supply
Elevation	Elevation	2	ft	
Distance	Distance	2	ft	

- Click **OK** to save the changes.

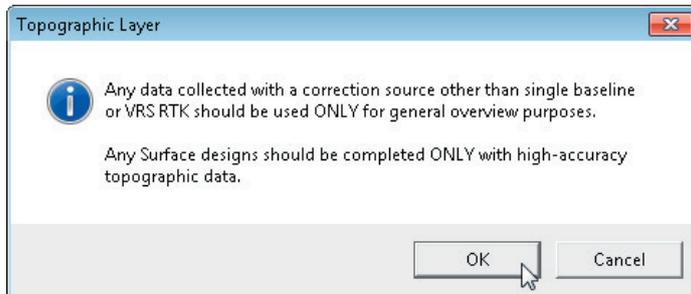
Creating a Topo map

Once you have verified the layer attribute, continue as follows:

1. In the *Farm* tab, right-click the job or layer and then select *Create Topographic Layer*:

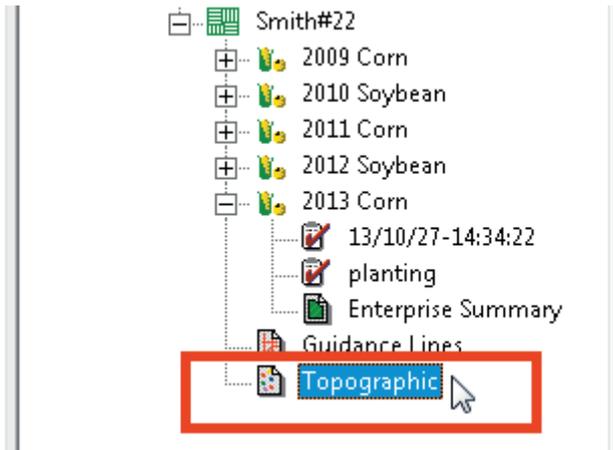


2. Read the information in the *Topographic Layer* screen and then click **OK** (or **Cancel** if you want to abort the procedure):



The *Topographic* layer is added to the *Farm* tab.

3. Double-click the *Topographic* layer to start creating it:



The topographic map now appears in the *Map* tab:

