

T3RRA



7.12 | Pattern Drain Design

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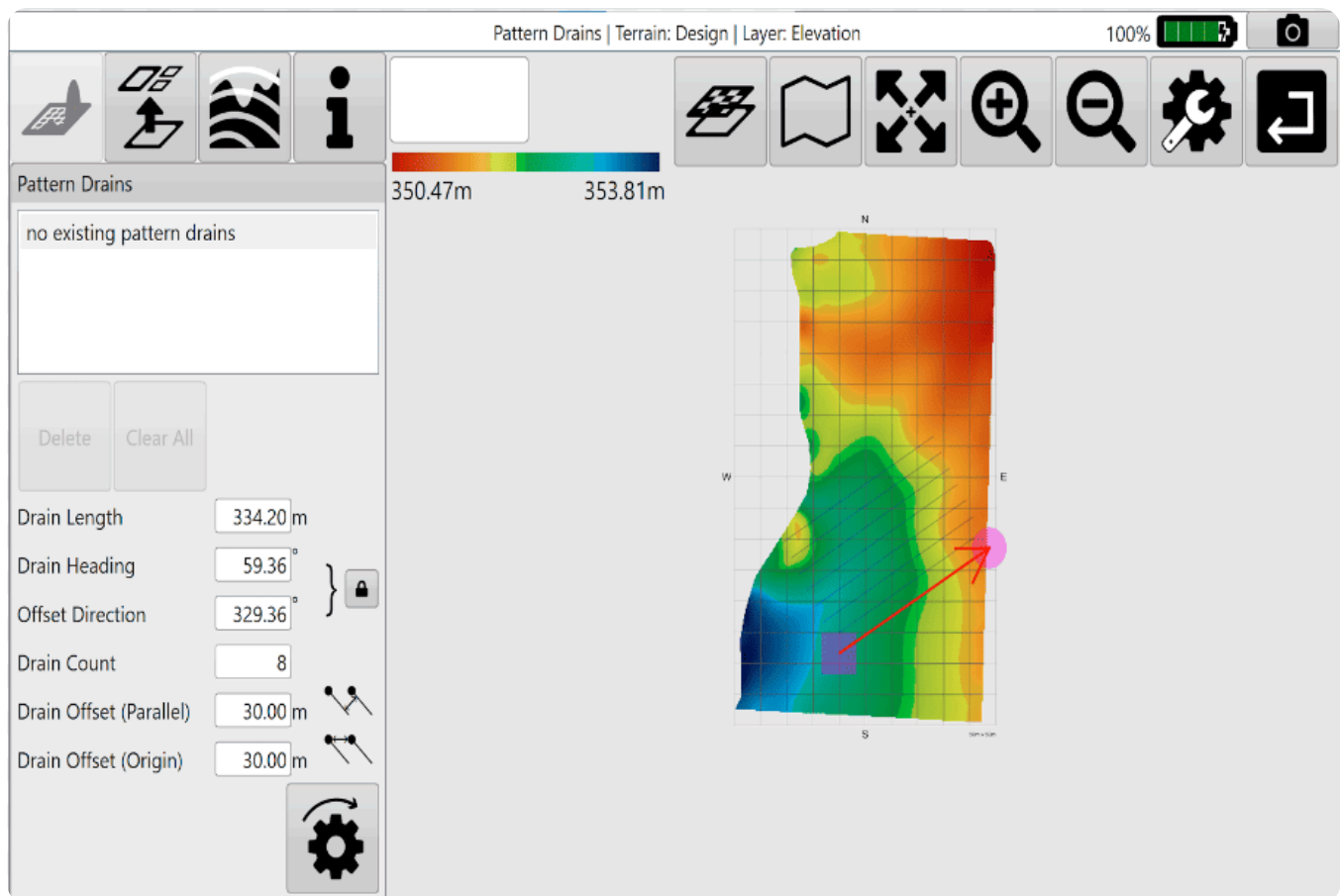
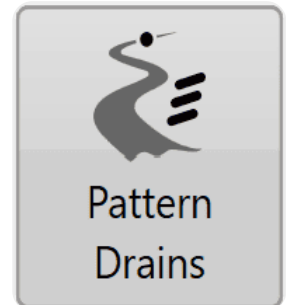
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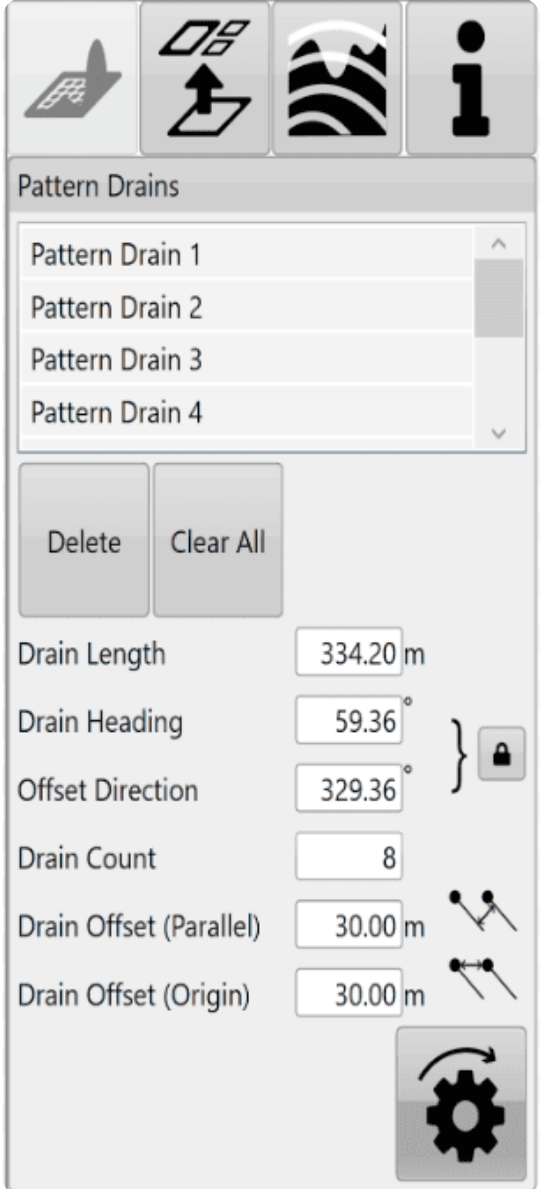
7.12 | Pattern Drain Design

This design tool allows for simple design of many parallel drains at once.

[Watch the Pattern Drain Design video on YouTube](#)



The pattern drain window allows you to select specific drains to delete.



The screenshot shows the 'Pattern Drains' configuration panel. At the top, there are four icons: a grid, a copy/paste arrow, a wave pattern, and an information 'i' icon. Below these is a list titled 'Pattern Drains' containing 'Pattern Drain 1', 'Pattern Drain 2', 'Pattern Drain 3', and 'Pattern Drain 4'. Under the list are 'Delete' and 'Clear All' buttons. The configuration section includes: 'Drain Length' set to 334.20 m; 'Drain Heading' set to 59.36°; 'Offset Direction' set to 329.36°; 'Drain Count' set to 8; 'Drain Offset (Parallel)' set to 30.00 m; and 'Drain Offset (Origin)' set to 30.00 m. To the right of the heading and offset direction fields is a bracketed 'Padlock' icon. To the right of the offset fields are two small diagrams showing offset types. At the bottom right is a gear icon.

The '**Delete**' and '**Clear All**' buttons allow you to either delete selected drains or all pattern drains.

'**Drain length**' can either be set here or by moving the red circle on the design map.

'**Drain Heading**' is the direction that the drains run (represented as degrees).

'**Padlock**' button changes the behaviour of the copied drains in relation to the original.

locked - This locks 'Drain Heading' to 'Offset Direction' so if either are adjusted the other will change to match.

Unlocked - 'Drain Heading' and 'Offset Direction' can be set independently of each other.

'**Offset Direction**' sets the direction in which copy drains will be created from the original.

'**Drain Count**' is the number of drain copies you want to add (not including the original drain).

'**Drain Offset (Parallel)**' is the distance between each line of the copies. (if the padlock is unlocked this will not show in the example until it is manually updated.)

'**Drain Offset (Origin)**' is the set distance between the origin point of each copy.

Press '**Apply**' (shown as the pattern drain icon) after parameters are entered.

Once you are happy with the drain paths use the '**Drain Design**' function to design the profile and cross section of the drains.