

**Automated Piling Platforms** 

# **Contents**

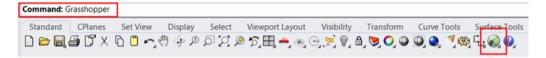
Setup	
Installation	1
Open & Run	2
The Graphical User Interface (GUI)	3
Workflow	
Topographical Surface Selection	. 4
Platform Bounding Polyline	5
Cut/Fill Slope Gradient	6
Retaining Wall	7
Edge Zone	. 8
SOP Annotations	9
Grid	. 10
Earthworks Calculation	11
Spot Levels	12
Export	
Export to CSV	13
Export to DWG	14

#### Installation

#### Launching the program

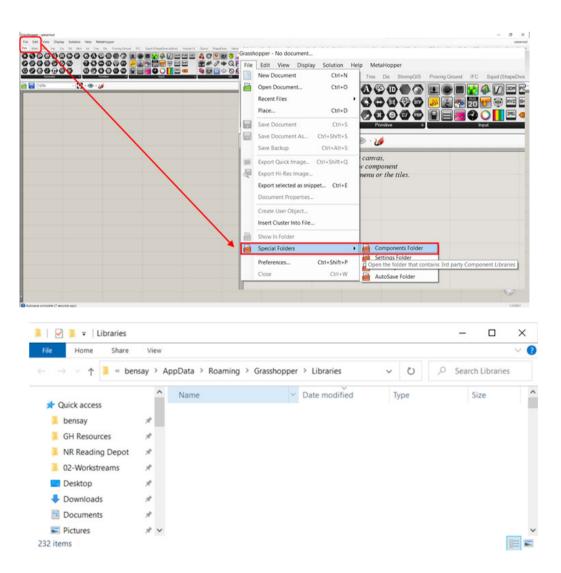
Launch Rhino 6.

Open grasshopper by typing 'Grasshopper' in the command line, or by pressing 
in the Rhino Standard Toolbar.



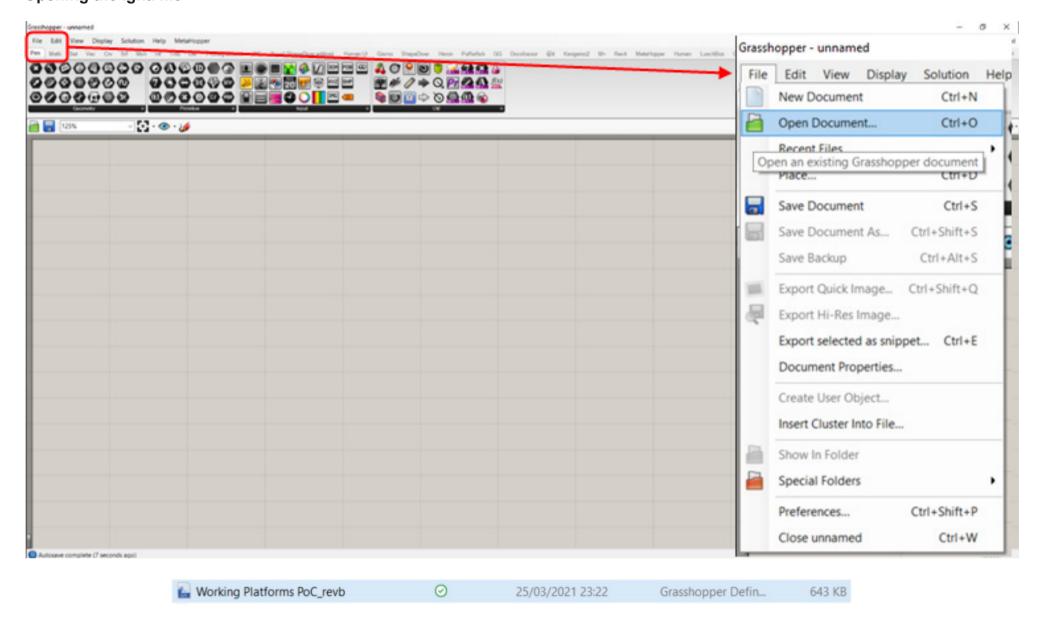
This will open the Grasshopper canvas window.

#### Installing dependencies



### **Open and Run**

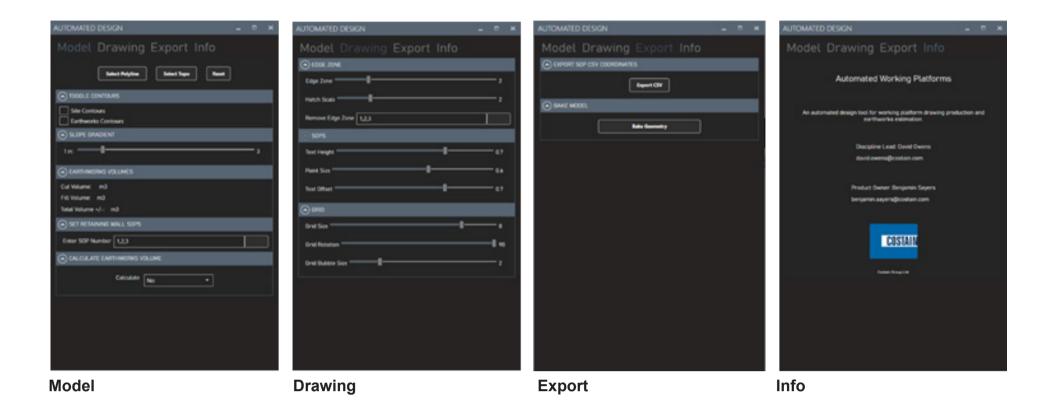
#### Opening the .gha file

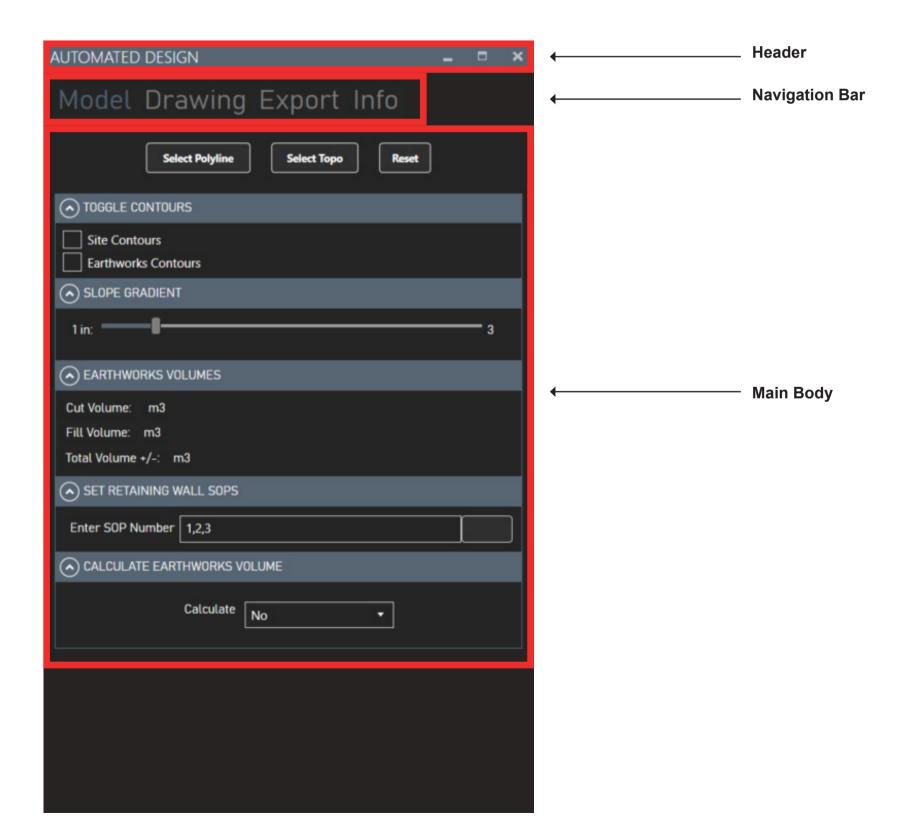


#### Run!

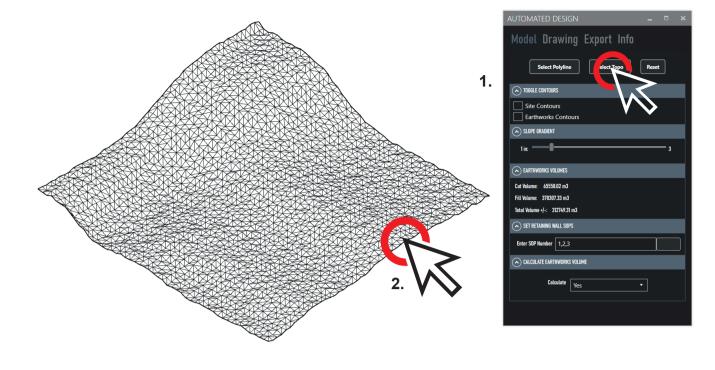


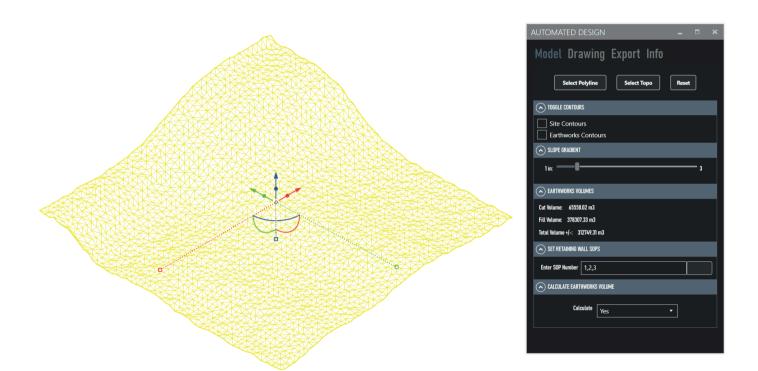
## **The Graphical User Interface**

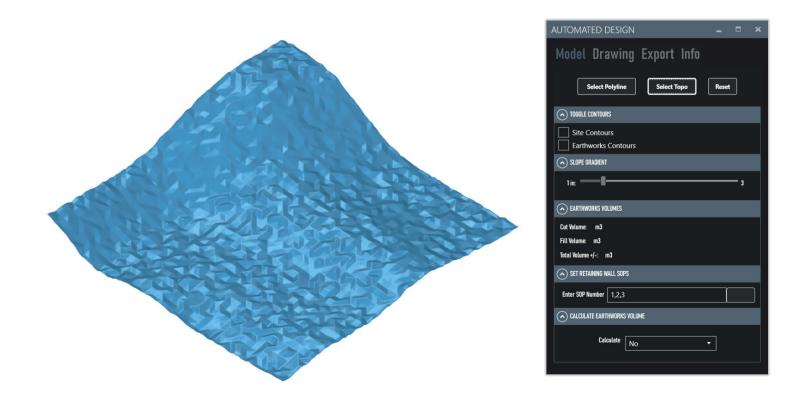




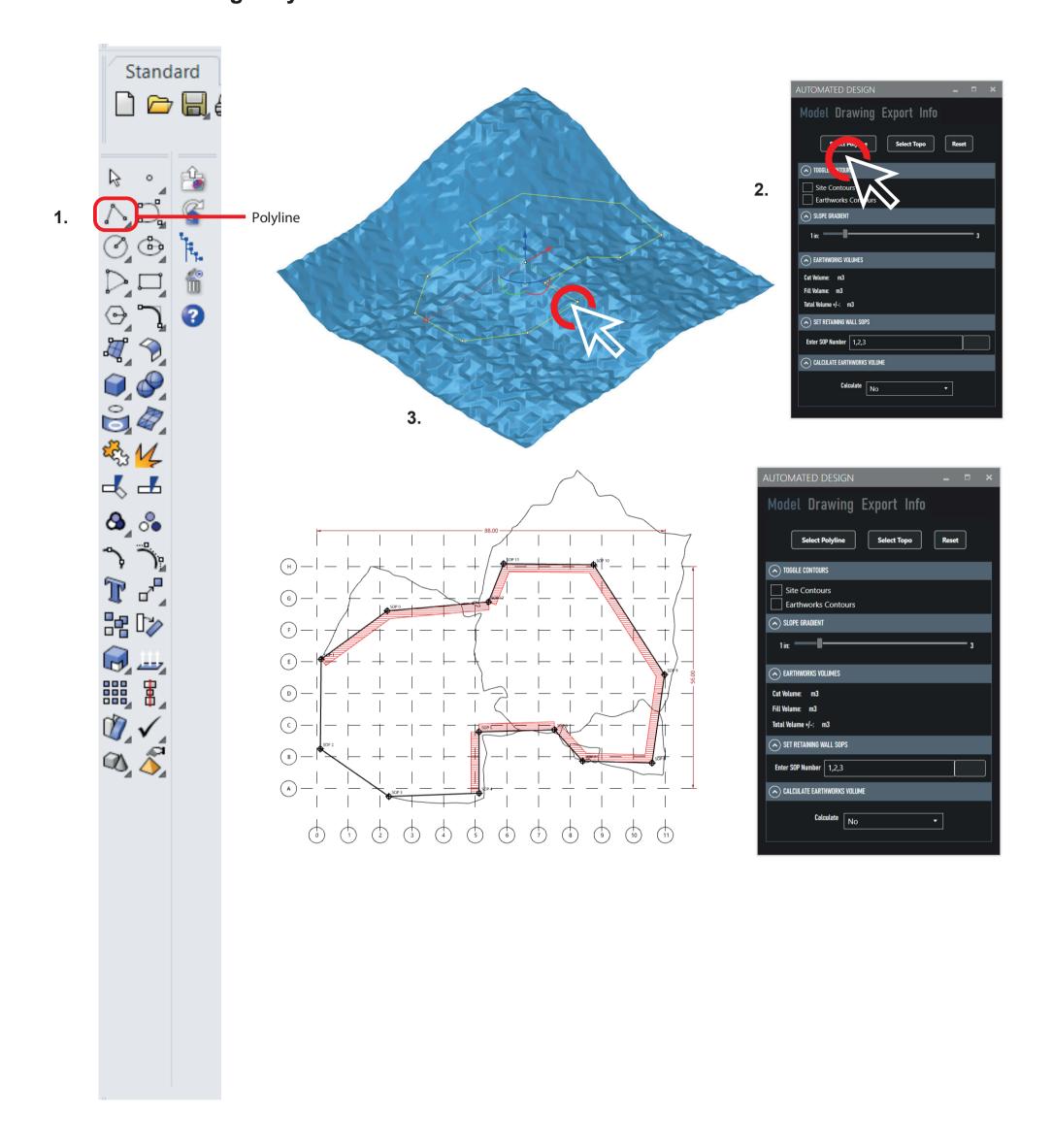
# **Topographical Surface Selection**





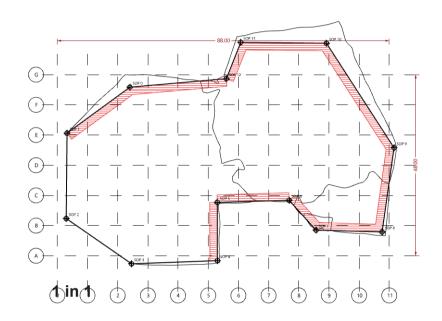


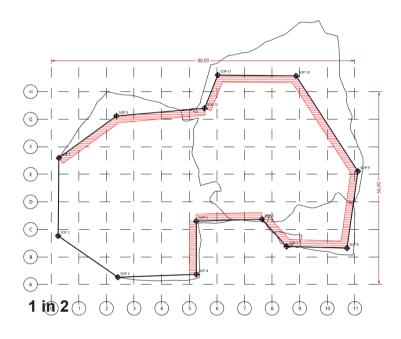
# **Platform Bounding Polyline**

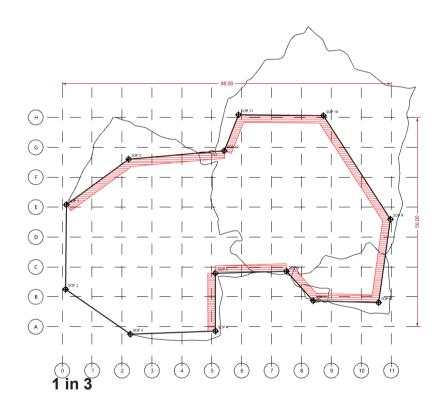


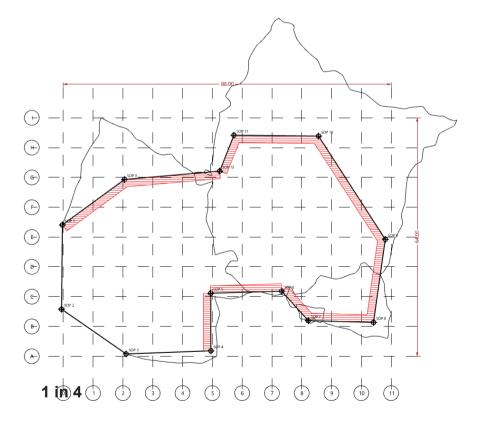
# **Cut/Fill Slope Gradient**







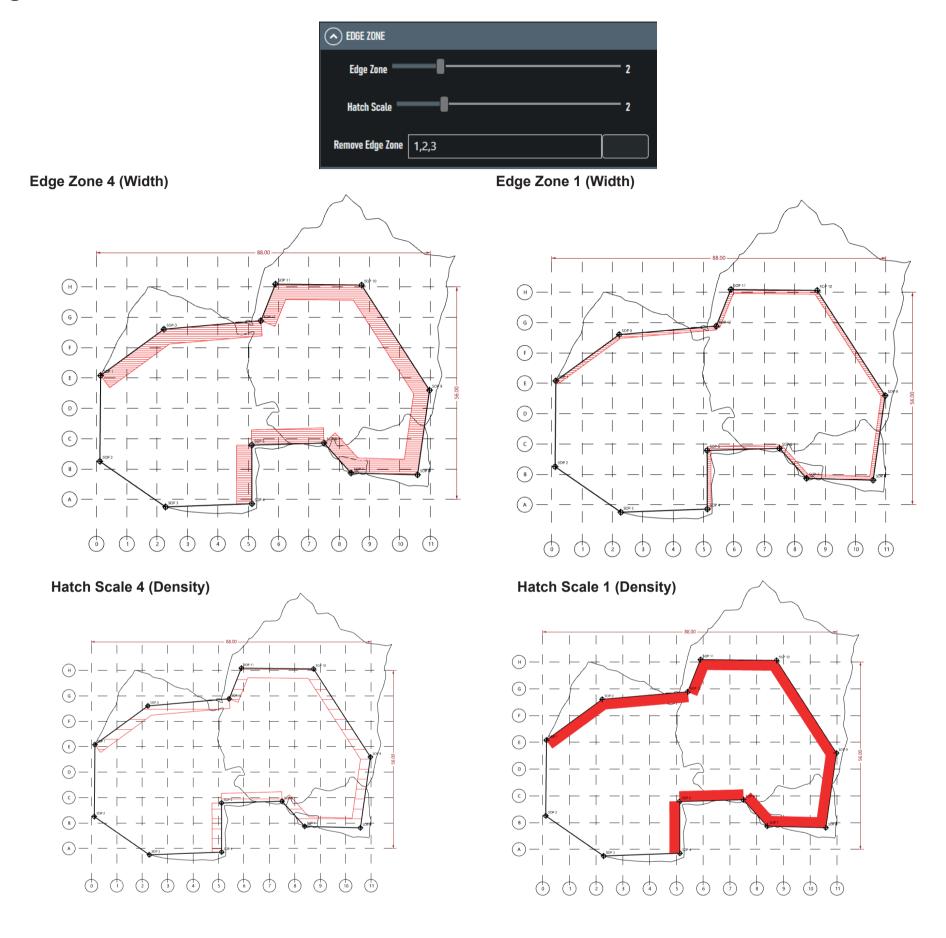




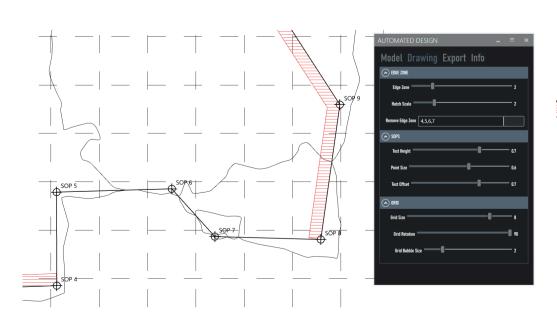
## **Retaining Wall**



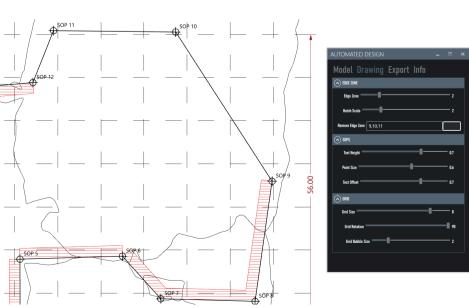
# **Edge Zone**



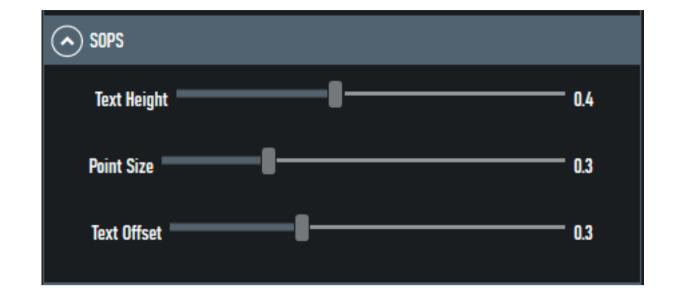
#### Remove Edge Zones (4,5,6,7)

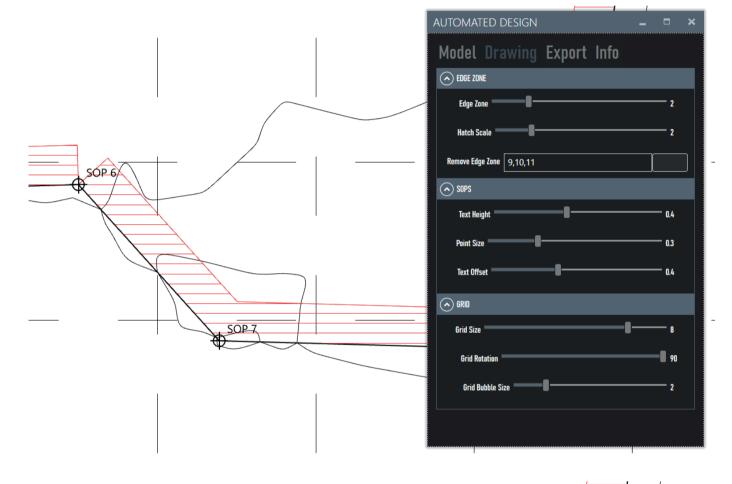


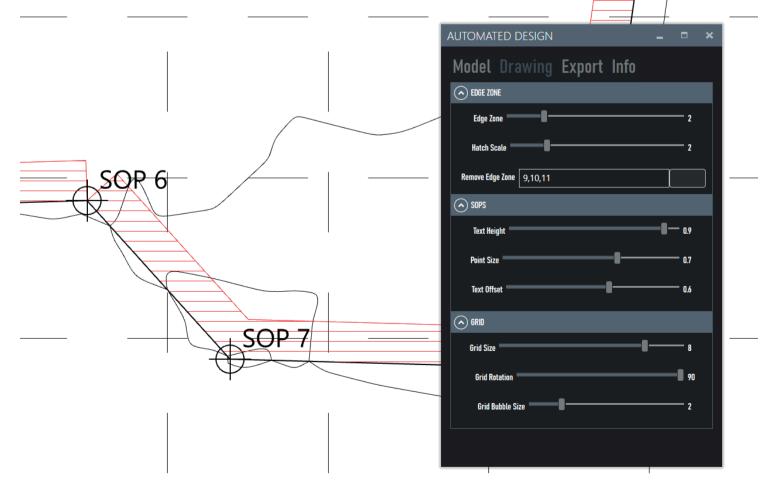
#### Remove Edge Zones (9,10,11)



### **SOP Annotations**



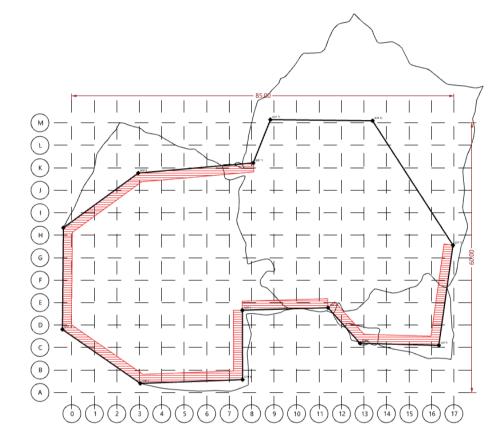


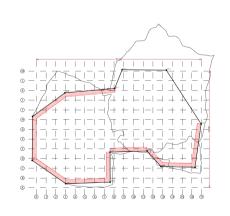


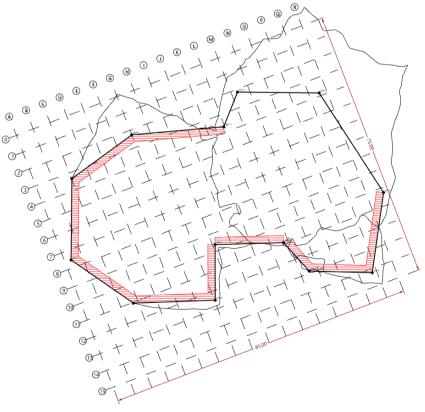
## **Grid**



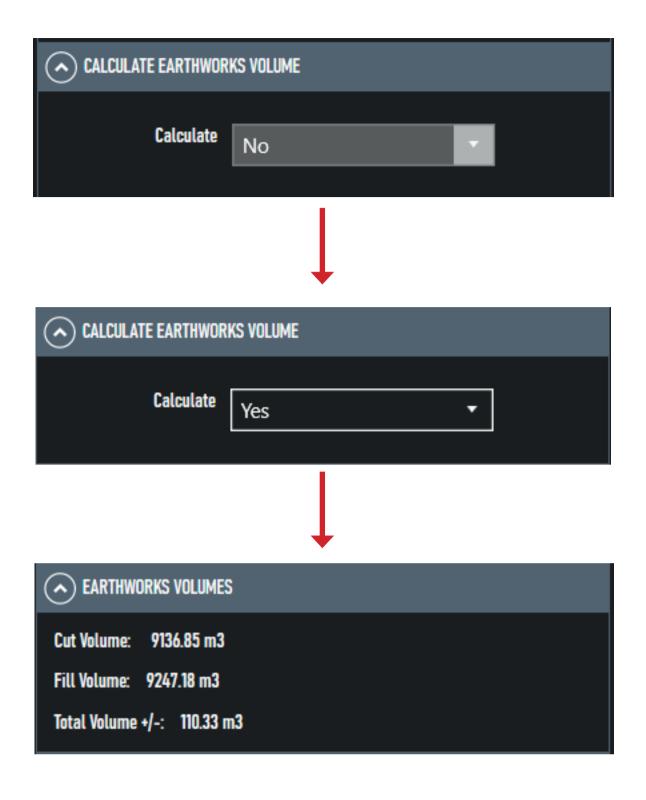


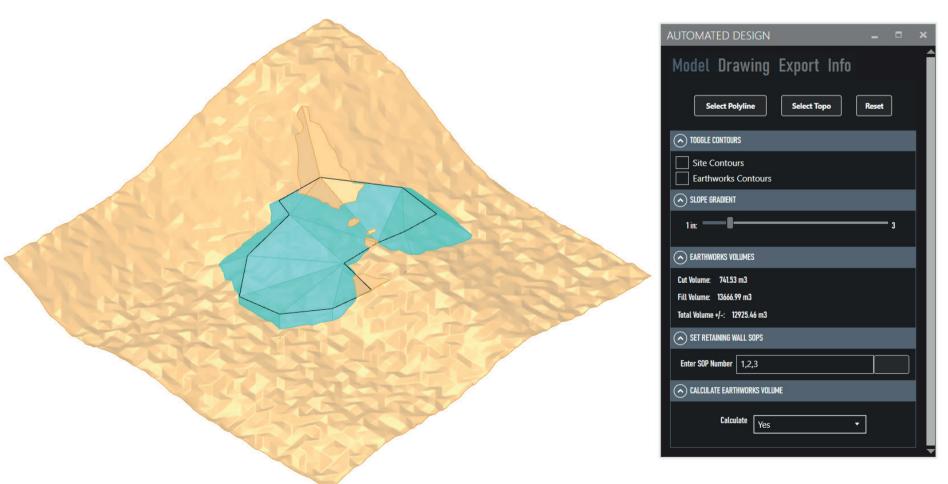






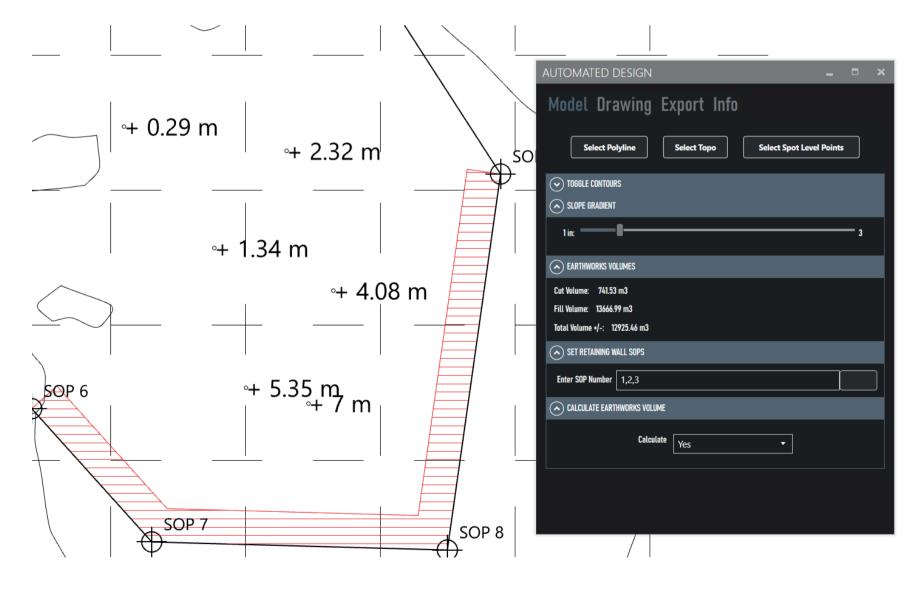
#### **Earthworks Calculation**





# **Spot Levels**





### **Export to CSV**

