

Updated: 6/2020

Using the "Annotations Mode"

Program: Sheeting Check

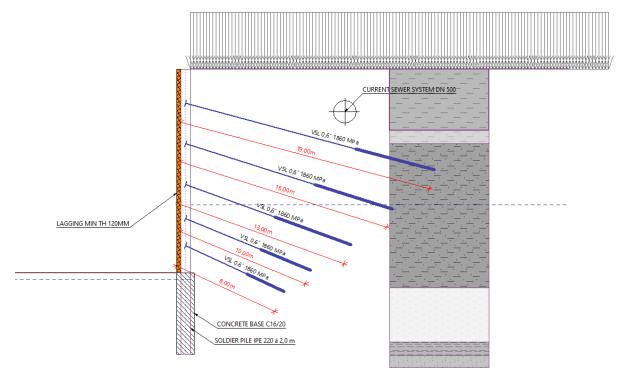
File: Demo_manual_38.gp2

In this engineering manual, we will describe the work with "Annotations mode", which is a basic tool used in all GEO5 programs.

Annotation mode allows us to:

- Better show constructions when modeling
- Have a better graphical output

We will show the work in a Sheeting Check program, however, the process is similar in other GEO5 programs. To avoid unnecessary delays, we will use the data from engineering manual 7 (Verification of a multi-anchored wall) – this is a part of the sample examples that are preinstalled with the GEO5 program. These are stored in public documents in the FINE folder (for example C:\Users\Public\Documents\Fine\GEO5 2020 Examples).



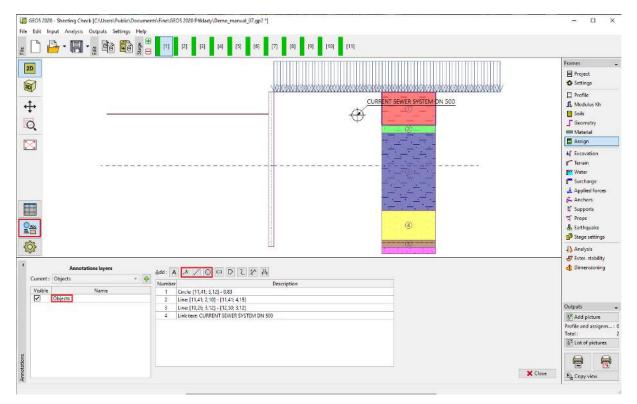
When finished with this manual, you should have a lining structure, that looks like this.

1) The input of the current state

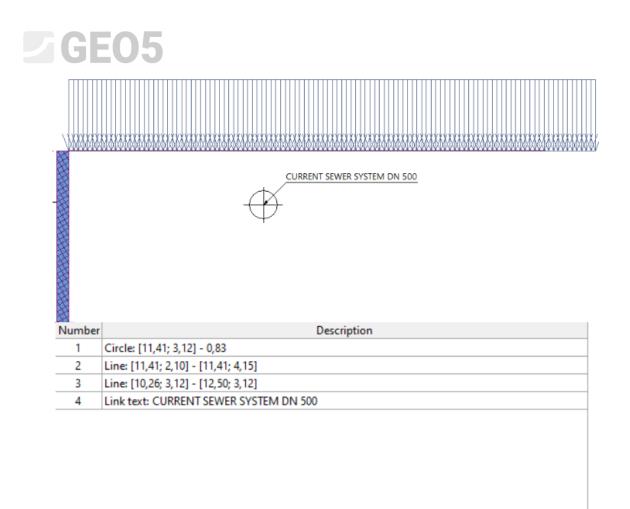
We will draw a position of the current sewer system. This information is important for us because the anchoring we have designed must not interfere with the sewer. Therefore, we will draw this construction into the first stage.

After opening the "Demo_manual_07" file. Go to the first construction stage and in the "Geometry" frame, switch to the "Annotations mode" using the button on the left toolbar

We will name the default layer as "Objects" and draw the desired sewer into it. For this purpose, we will use the "Circle" and "Line" type objects. We will use the "Link text" for adding a description to the drawn sewer.



"Annotations" mode



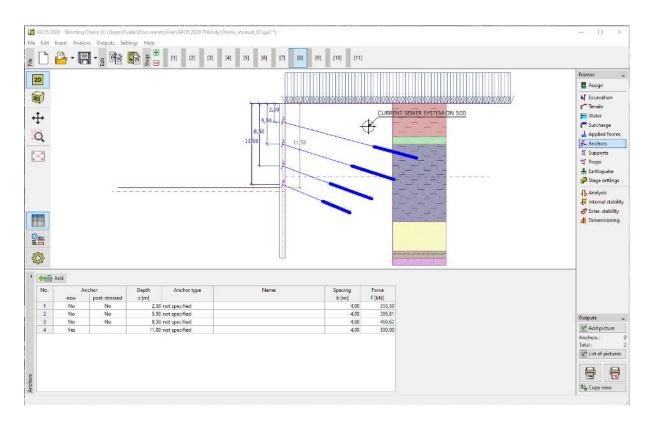
Then we switch to the "Drawing Settings" mode – here we see that we have a column with our annotations displayed, where we can set the individual frames as visible or invisible, as we need. Use the "Apply everywhere" button to turn on this layer in all modes.



GEO5 2020 - Sheeting Check (C:\Users\Pub	lic\Documents\Fine\GEO5 2020 Pñklady\Demo_manu	sl_07.gp2 *]					– 🗆 🗙
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"Drawing settings" mode

The specified structure is then displayed in all modes and all stages of the construction.

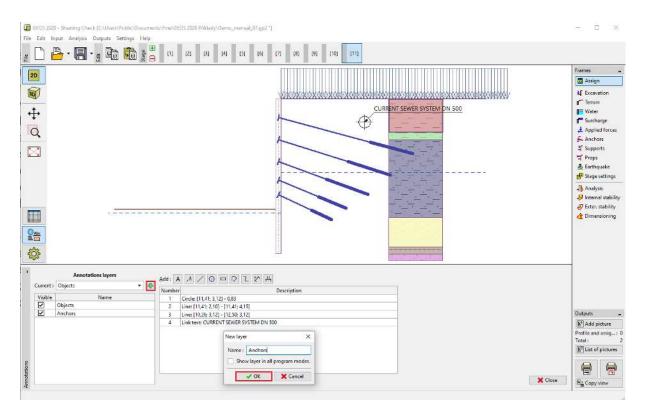


GEO5

2) Output image enhancement

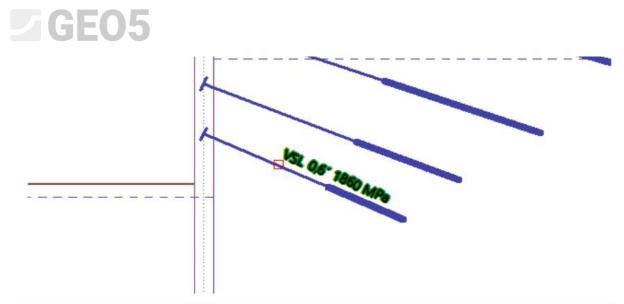
Here we want to create a description of the anchoring. We will turn to the last construction stage, where all the anchors are displayed.

We will add another layer named "Anchors" and fill in the required information



Adding another layer

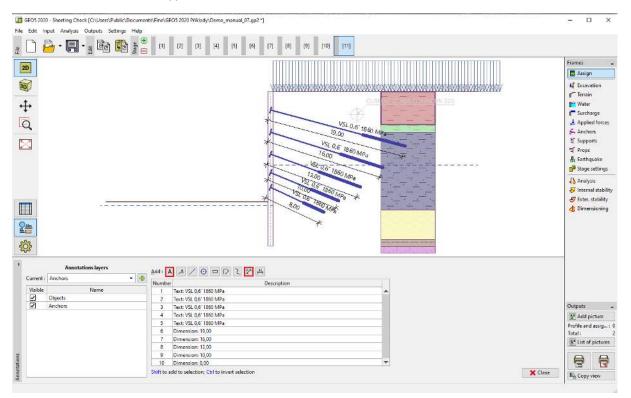
We will describe the individual anchors. To describe the object, use the "Text" function, which can be rotated according to the anchor slope.

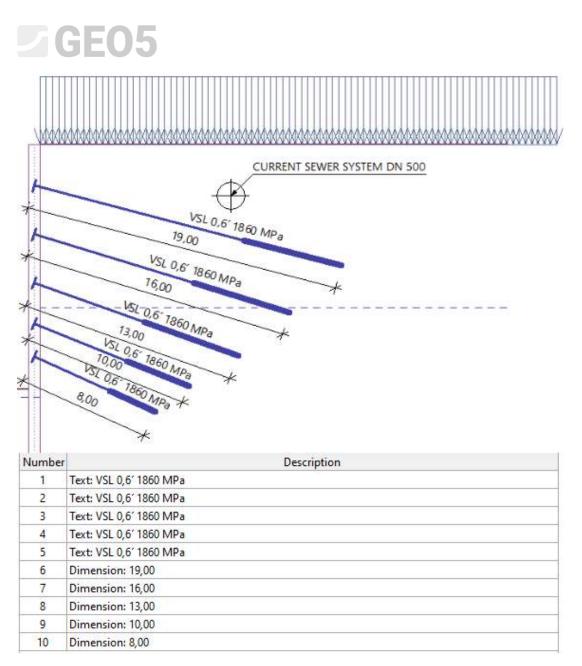


lumber	Description	Text :	VSL 0,6' 1860	MPa
1	Text: VSL 0,6' 1860 MPa	Text color :	-	•
		Text height :	5,0mm •	
		Rotation :	25,00	[°]
		Horizontal alignment :	Left	-
		Vertical alignment :	Bottom	
		Point : X =	2,3	5 [m]

For dimensions, we use a function called: dimension aligned that measures the actual distance between two points.

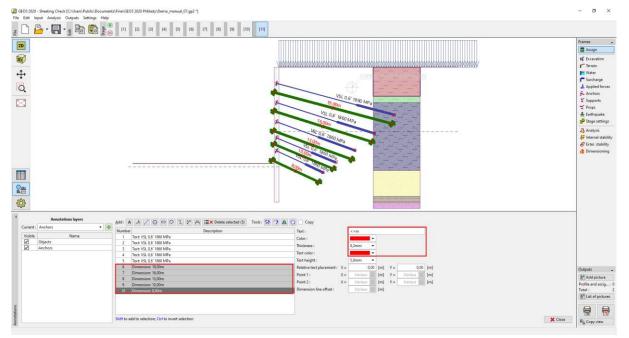
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The entered data can also be edited as a group. Select the dimensions and assign them to the color red in the common properties and add "m" after the "<>" symbols into the text input.





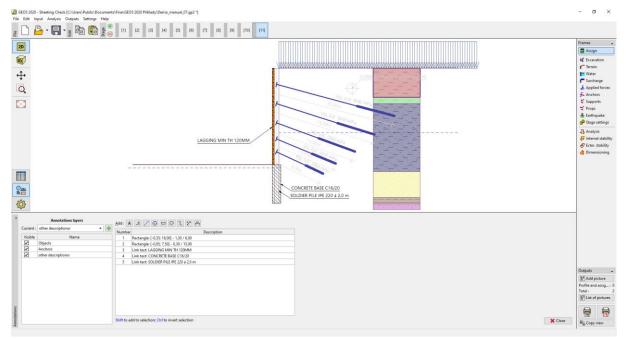
Editing of all dimensions - color change and unit adding

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4	Text: VSL 0,6´ 1860 MPa	Text color :						
5	Text: VSL 0,6´ 1860 MPa	Text height :		5,0mm 🔻				
6	Dimension: 19,00m	Relative text placement :	X =	0,00	[m]	Y =	0,00	[m]
7	Dimension: 16,00m	Point 1:	X =	Various 🗙	[m]	Y =	Various 🗙	[m]
8	Dimension: 13,00m						2.5	
9	Dimension: 10,00m	Point 2 :	X =	Various 🗙	[m]	Y =	Various 🔀	[m]
10	Dimension: 8,00m	Dimension line offset :		Various 🗙	[m]			
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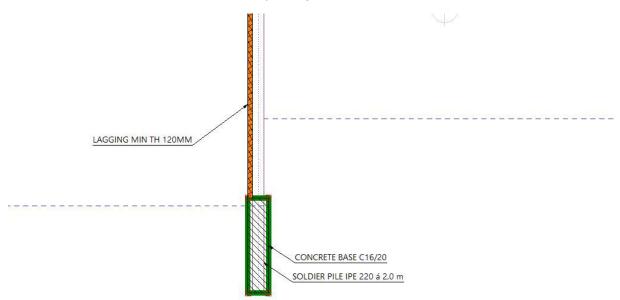
Note: the symbols <> in a text input indicate that the actual distance is displayed for the dimension. Any text can be added after it. If we delete the <> symbols, the text would not react on display size changes.

We will create another layer called "other descriptions", where we will add the rest of the information that we want to display





Description of the structure



Number	Description	Color:					
1	Rectangle: [-0,35; 18,00] - 1,30 / 6,00	Thickness :		0,2mm -			
2	Rectangle: [-0,85; 7,50] - 0,30 / 15,00	Line type :		100			
3	Link text: LAGGING MIN TH 120MM						
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		Width :		1,30	[m]		
		Height :		6,00	[m]		

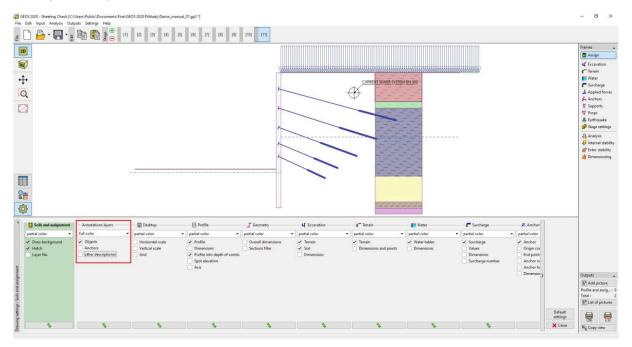
GEO5

The overall size of the annotations, texts, and tags can be edited in "Drawing Settings" under "Global". In our case, we will reduce all descriptions to 80% of the original size (using a multiplier of 0.8).

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Reduction of text and tag size

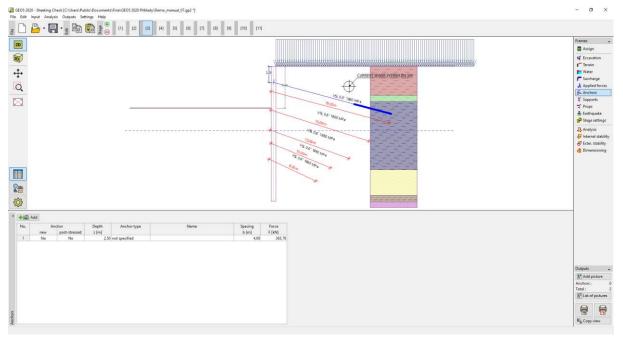
Now in the "Drawing Settings" mode, we will turn off the visibility of the "Anchors" and "Other descriptions" layers.



Switching the visibility on and off in "Drawing Setting" mode

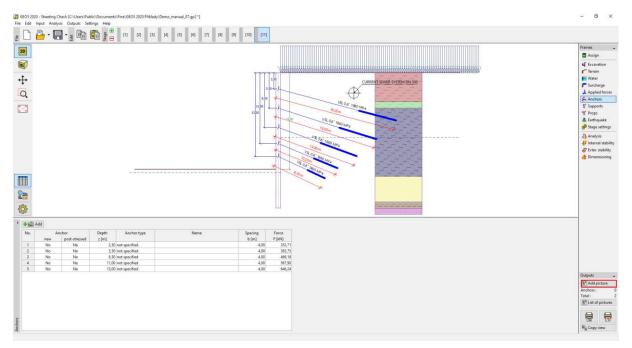
These layers are intended only for outputs – in individual stages of the construction, their rendering would be pointless.





Wrong description of the non-existent anchors in the third stage of construction

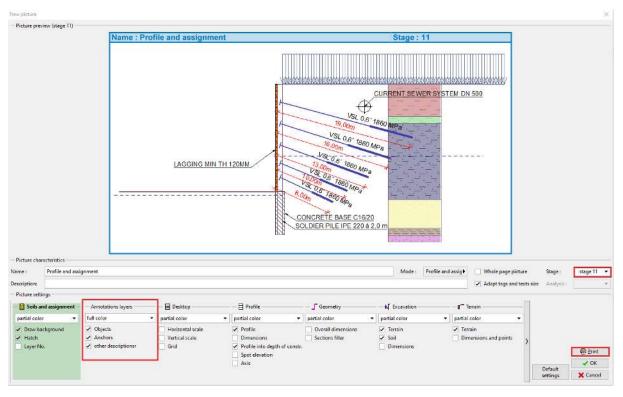
We should only activate the layers when the image is ready to be printed in the "Add picture" dialog window



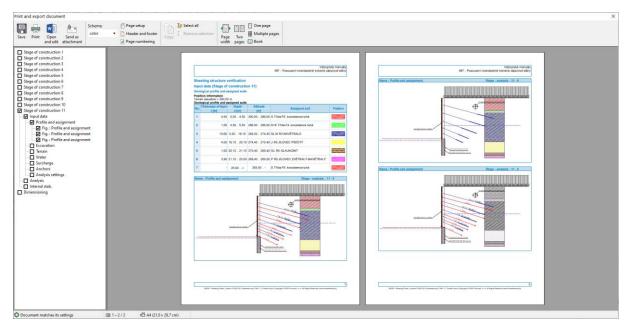
Add an image to print or output report

Here we can specify not only which drawing layers and labels are displayed, but also the building stages for a given print. The image can be printed directly from the window or saved for printing in the output document

GE05



Creation of an image for printing



Export document