

Creation of User-defined Template

Program: Stratigraphy – Logs
 File: Demo_manual_44.gsg

Every country or company has its requirements for the form of the field test report. The stratigraphy program allows you to define any data and protocols within the template set. The goal of this engineering manual is to show how you can create these templates and edit them

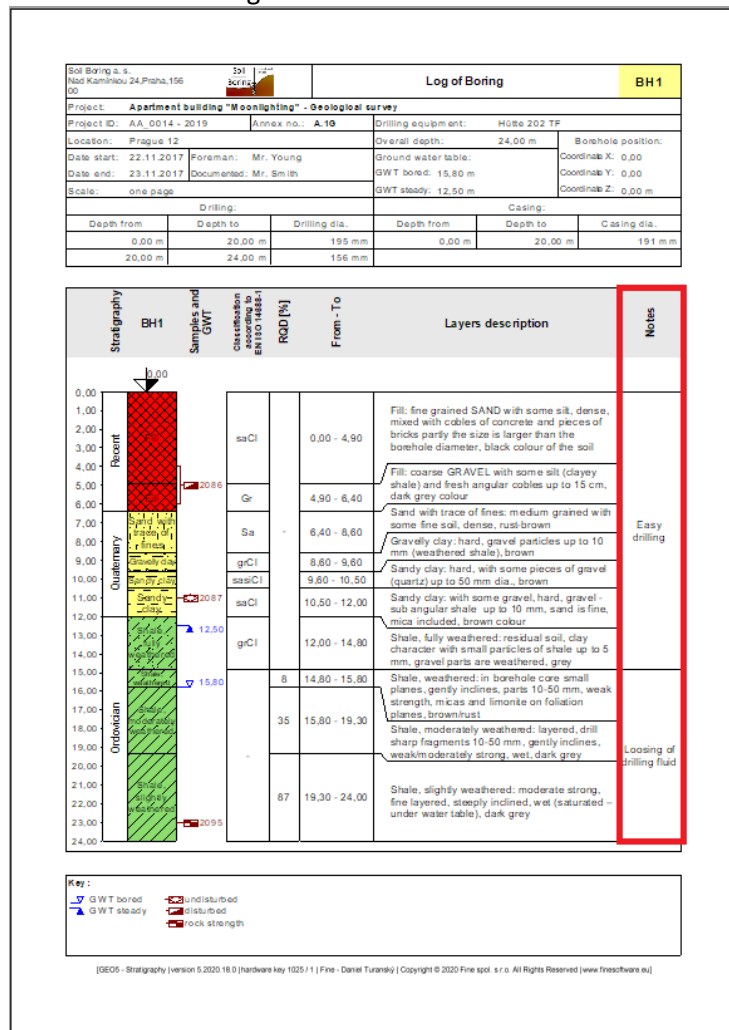
Assignment

Modify the “EN-Standard” template set for borehole so that:

- The layers will include text data “My Drillability”
- The notes were not entered for the individual layer but only for the entire borehole
- Contained new types of samples “Aggressivity” and “Rock strength – Schmidt”

Use the data from the previous Engineering Manual – Demo_manual_42.gsg. Name the newly created template set EM 44 and save it in the Templates Administrator for future use.

Next, modify the output protocol so that it will match the new data. The output log of the “EN-Standard” template set for borehole has the following form:



The required form of the protocol:

Soil Boring s. s. Nad Kaminkou 24, Praha, 156 00		Soil Boring	Log of Boring			BH 1
Project: Apartment building "Moonlighting" - Geological survey						
Project ID: AA_0014 - 2019		Annex no.: A.10		Drilling equipment: Hötte 202 TF		
Location: Prague 12			Overall depth: 24,00 m		Borehole position:	
Date start: 22.11.2017		Foreman: Mr. Young		Ground water table:		Coordinate X: 0,00
Date end: 23.11.2017		Documented: Mr. Smith		GWT bored: 15,80 m		Coordinate Y: 0,00
Scale: one page				GWT steady: 12,50 m		Coordinate Z: 0,00 m
Drilling:			Casing:			
Depth from	Depth to	Drilling dia.	Depth from	Depth to	Casing dia.	
0,00 m	20,00 m	195 mm	0,00 m	20,00 m	191 mm	
20,00 m	24,00 m	156 mm				

Stratigraphy	BH1	Samples and GWT	Classification according to EN ISO 14888-1	RQD [%]	My Drillability	From - To	Layers description		
Recent	[Red hatched]	2086	saCl		I	0,00 - 4,90	Fill: fine grained SAND with some silt, dense, mixed with cobbles of concrete and pieces of bricks partly the size is larger than the borehole diameter, black colour of the soil		
			Gr	4,90 - 6,40		Fill: coarse GRAVEL with some silt (clayey shale) and fresh angular cobbles up to 15 cm, dark grey colour			
	[Yellow hatched]	2100	Sa	-		6,40 - 8,60	Sand with trace of fines: medium grained with some fine soil, dense, rust-brown		
			grCl	8,60 - 9,60		Gravelly clay: hard, gravel particles up to 10 mm (weathered shale), brown			
			sasiCl	9,60 - 10,50		Sandy clay: hard, with some pieces of gravel (quartz) up to 50 mm dia., brown			
			saCl	10,50 - 12,00		Sandy clay: with some gravel, hard, gravel - sub angular shale up to 10 mm, sand is fine, mica included, brown colour			
			grCl	12,00 - 14,80		Shale, fully weathered: residual soil, clay character with small particles of shale up to 5 mm, gravel parts are weathered, grey			
			[Green hatched]	12,50		-	8	14,80 - 15,80	Shale, weathered: in borehole core small planes, gently inclined, parts 10-50 mm, weak strength, micas and limonite on foliation planes, brown/rust
							35	15,80 - 19,30	Shale, moderately weathered: layered, drill sharp fragments 10-50 mm, gently inclined, weak/moderately strong, wet, dark grey
							87	19,30 - 24,00	Shale, slightly weathered: moderate strong, fine layered, steeply inclined, wet (saturated - under water table), dark grey
Ordovician	[Green hatched]	2095							

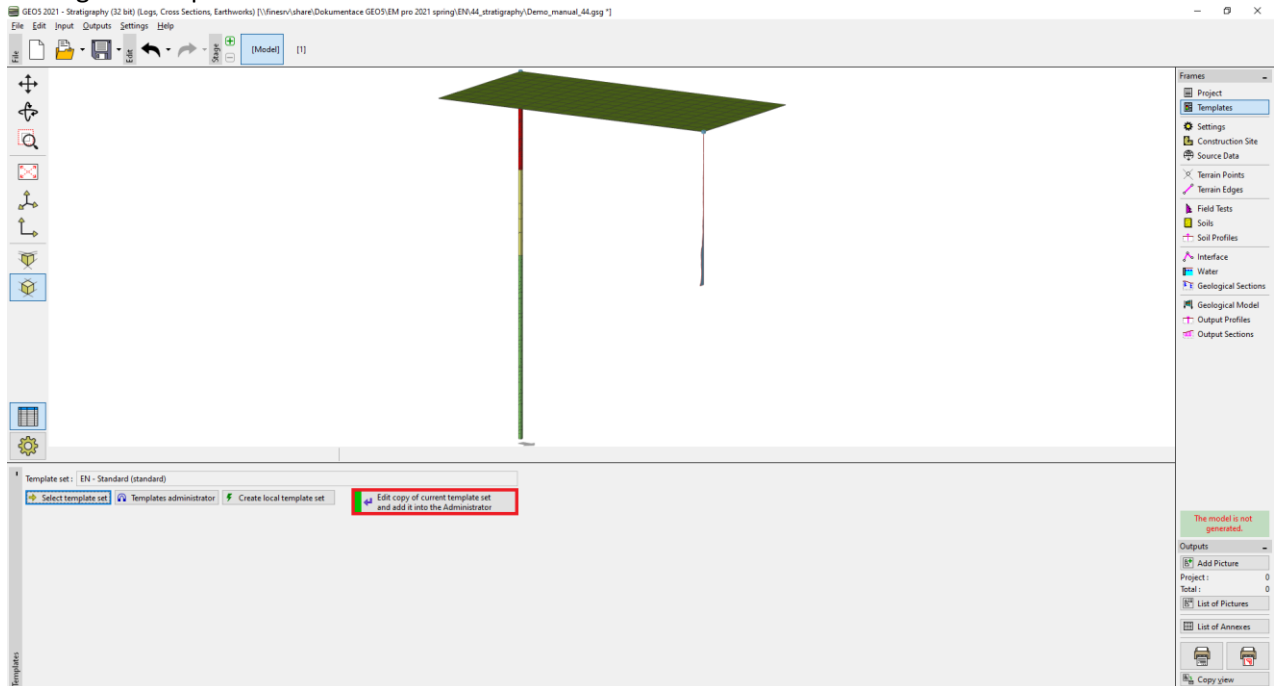
Key :	GWT bored	GWT steady	undisturbed	disturbed	rock strength
	[Blue triangle]	[Blue triangle]	[Red hatched]	[Red hatched]	[Red hatched]

Notes
Sunny, 17C No complication during drilling

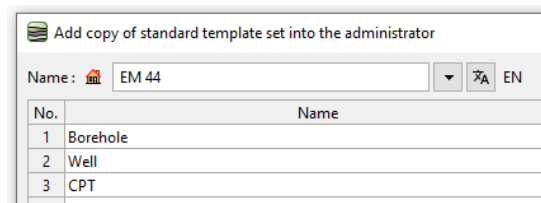
[GEO5 - Stratigraphy | version 5.2020.18.0 | hardware key 1025/1 | Fine - Daniel Turansky | Copyright © 2020 Fine spol. s r.o. All Rights Reserved | www.finesoftware.eu]

Solution:

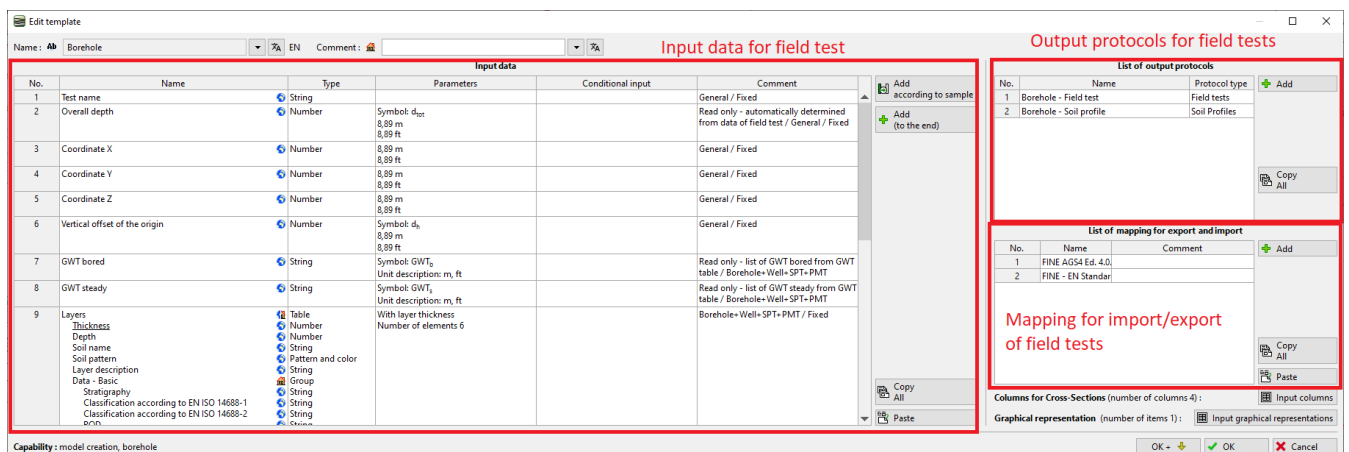
First, open the Demo_manual_42.gsg file, which contains the test data. In the Templates frame, check whether you have set the template set you want to edit – “EN – Standard” (If a different template set is selected, we can change it by clicking the “Select Template” button in the list of templates). Press the “Edit copy of current template set and add it into the Administrator” button to enter the window for editing the template set.



We name the new template set “EM44”. After editing, the template is saved into the “Templates administrator”.



In the table, we select template No. 1 (Borehole). In the “Edit template” window, we can see that the template contains the data of the selected test (left part of the window) and the protocols on how to print the data (right part of the window). Next, the mapping for import/export is in the right corner of the window (more information in EM47 – [Export and Import of Field Tests in the Stratigraphy](#)).



Note: Within the one template, we can define the data for all types of tests that the Stratigraphy program supports (Borehole, Well, CPT, DPT, SPT, DMT a PMT) and the form of all output protocols of the entered data.

Firstly, we will focus on data editing. In the left part of the window, all data contained in the template are displayed.

Note: The individual data have auxiliary markings for clarity, that helps the user to orientate.

1. House (🏠) – indicates that the data type was created and named by the user
2. Globe (🌐) – indicates that the data type was selected from the “Global Library”. The global library contains predefined data types that the user can insert into his template.
3. Globe with a house (🏠🌐) – indicates that the data type was selected from the global library and subsequently modified by the user.

We enter a new layer property – “My Drillability”. On the “Borehole” tab, select the item – no.9 “Layers” and click on the “Edit” button (You can also double click it with a mouse)

The screenshot shows the 'Edit template' dialog for a borehole. The 'Input data' table is as follows:

No.	Comment	Name	Type	Parameters	Conditional input	Comment
5		Coordinate Z	Number	Symbol: z 8,89 m 8,89 ft		General / Fixed
6		Vertical offset of the origin	Number	Symbol: d ₀ 8,89 m 8,89 ft		General / Fixed
7		GWT bored	String	Symbol: GWT _b Unit description: m, ft		Read only - list of GWT bored from GWT table / Borehole-Well+SPT+PMT
8		GWT steady	String	Symbol: GWT _s Unit description: m, ft		Read only - list of GWT steady from GWT table / Borehole-Well+SPT+PMT
9		Layers	Table	With layer thickness Number of elements 6		Borehole-Well+SPT+PMT / Fixed
		Thickness	Number			
		Depth	Number			
		Soil name	String			
		Soil pattern	Pattern and color			
		Layer description	String			
		Data - Basic	Group			
		Stratigraphy	String			
		Classification according to EN ISO 14688-1	String			
		Classification according to EN ISO 14688-2	String			
		RQD	String			
		Notes	String			
10		Samples	Table	With depth 'from' and optional 'to' Number of elements 4		Borehole-SPT+PMT / Fixed
		Depth from	Number			
		Depth to	Number			
		Sample type	Enumeration			
		undisturbed	Enumeration element			
		disturbed	Enumeration element			

The “Edit data type” dialog window will open. It contains the soil layer data.

The screenshot shows the 'Edit data type' dialog for a table. The 'Parameters of data type' section is as follows:

No.	Name	Type	Column	Parameters	Comment
1	Thickness	Number	✓	Symbol: t 8,89 m 8,89 ft	General / Fixed
2	Depth	Number	✓	Symbol: d 8,89 m 8,89 ft Allow input of string	Read only - automatically determined from
3	Soil name	String	✓		Borehole-Well+SPT+PMT / Fixed
4	Soil pattern	Pattern and color	✓	Pattern and color	Borehole-Well+SPT+PMT / Fixed
5	Layer description	String	✓	Multiline string	Borehole-Well+SPT+PMT / Fixed
6	Data - Basic	Group		Number of elements 5	
	Stratigraphy	String			
	Classification according to EN ISO 14688-1	String			
	Classification according to EN ISO 14688-2	String			
	RQD	String			
	Notes	String			

Click the “Add” button to add a new item.

New table column

Input method : create new user data type

OK Cancel

After confirming with the OK button, describe the created data type.

New table column

Parameters of data type

Type: String Name: My Drillability EN Comment:

Symbol: MD

Metric: Unit description:

English: Unit description:

Multiline string

Conditional input

Master enumeration: (unspecified) No enumerations defined for using as master.

User data type

Add Cancel

Confirm by clicking the “Add” button, and the data type will be added to the layer data.

Edit data type

Parameters of data type

Type: Table Name: Layers EN Comment: Borehole+Well+SPT+PMT / Fixed EN Parameters: changed global

Table type: With layer thickness

No.	Name	Type	Column	Parameters	Comment
1	Thickness	Number	✓	Symbol: t 8,89 m 8,89 ft	General / Fixed
2	Depth	Number	✓	Symbol: d 8,89 m 8,89 ft Allow input of string	Read only - automatically determined fr
3	Soil name	String	✓		Borehole+Well+SPT+PMT / Fixed
4	Soil pattern	Pattern and color	✓	Pattern and color	Borehole+Well+SPT+PMT / Fixed
5	Layer description	String	✓	Multiline string	Borehole+Well+SPT+PMT / Fixed
6	Data - Basic Stratigraphy Classification according to EN ISO 14688-1 Classification according to EN ISO 14688-2 RQD Notes	Group String String String String String		Number of elements 5	
7	My Drillability	String	✓	Symbol: MD	

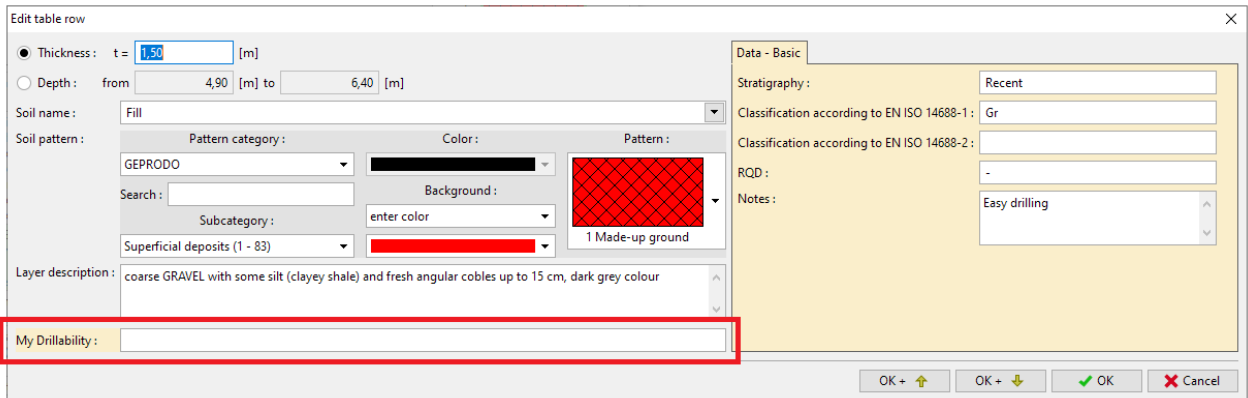
Conditional input

Master enumeration: (unspecified) No enumerations defined for using as master.

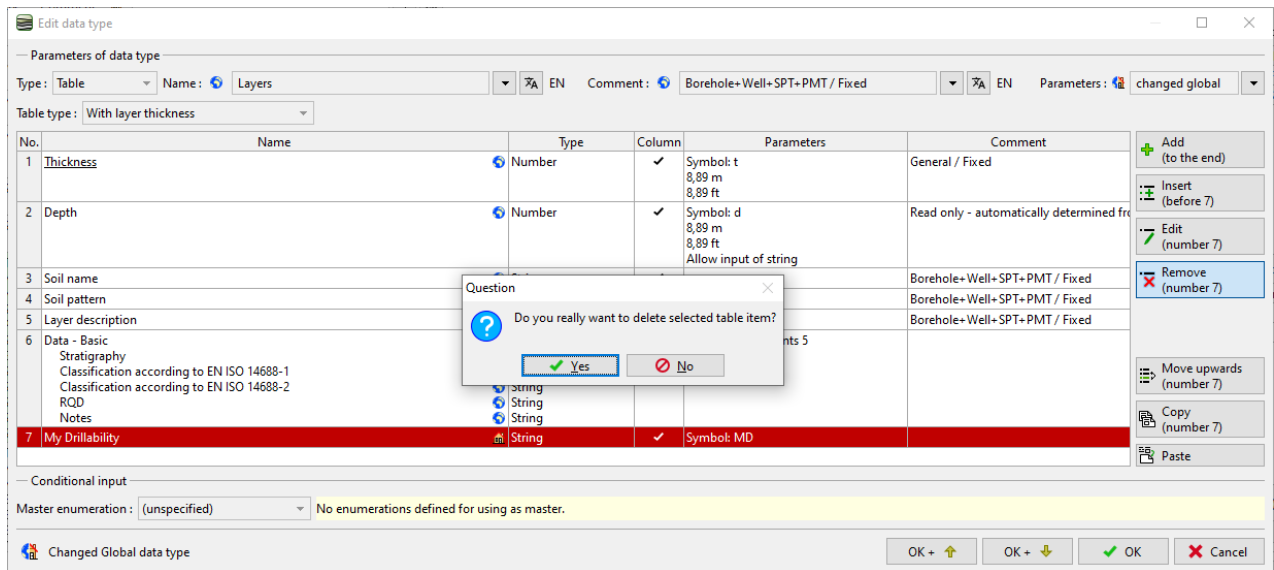
Changed Global data type

OK + ↑ OK + ↓ OK Cancel

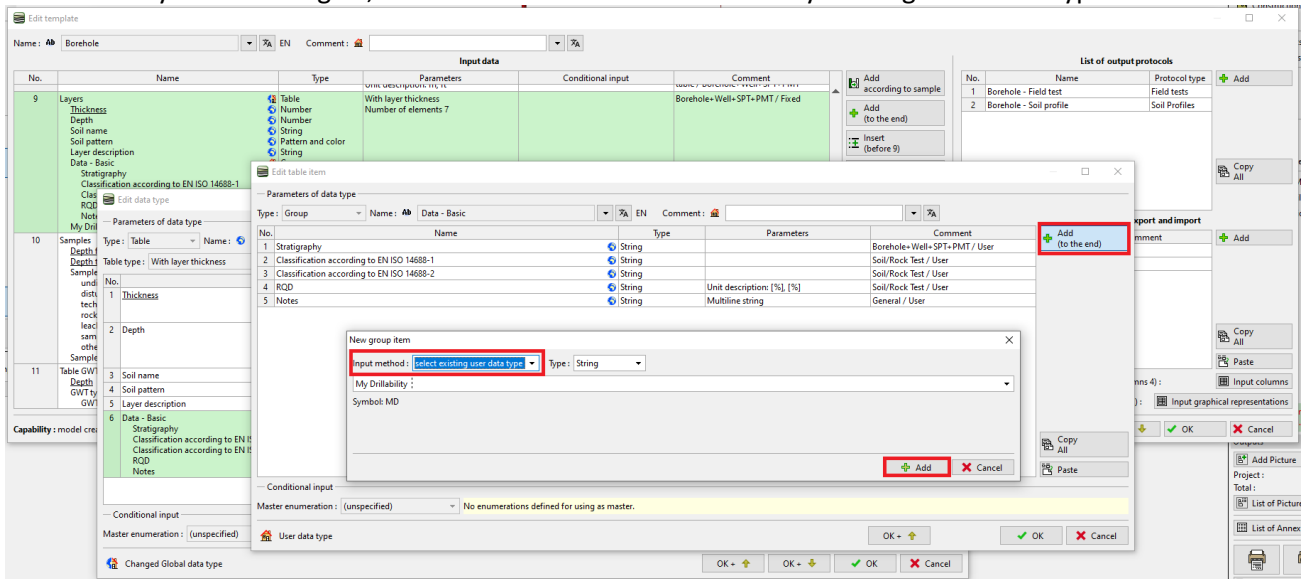
We will stop entering and take a look at how the newly created data is entered. We will go to the borehole editing and borehole layer editing. The new data type “My Drillability” is displayed in the main part of the window.



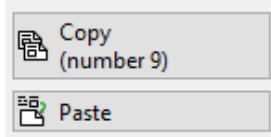
The input is little bit unclear, so we have decided to modify the data. We want “My Drillability” item as part of the “Data – basic” tab on the right side of the dialog window. Therefore, we will go back to template editing and layer data editing. Firstly, we will delete our data type “My Drillability” that we had entered.



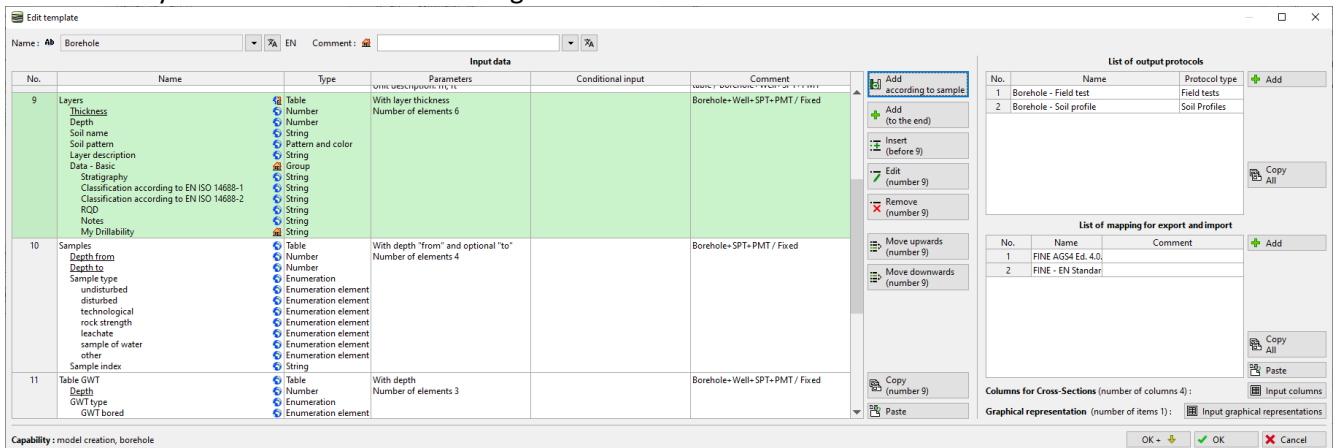
Then select the “Data-Basic” table and add our data type to it. Because we have already defined it, it is not necessary to enter it again, but we will select it from the already existing “user data types”



Tip: All data types can be copied/pasted using the buttons in the left bottom part of the table.



We can always see how the data are arranged in the table:



In the “Field Test” frame, we will check whether the assignment corresponds with our idea. Now the “My Drillability” data is entered in the “Data – Basic” tab.

Edit table row

● Thickness: t = 4.90 [m]
 ○ Depth: from 0,00 [m] to 4,90 [m]

Soil name: Fill
 Soil pattern: Pattern category: GEPRODO, Color: [Black], Pattern: [Red cross-hatch]
 Search: [], Background: enter color
 Subcategory: Superficial deposits (1 - 83), 1 Made-up ground

Layer description: fine grained SAND with some silt, dense, mixed with cobbles of concrete and pieces of bricks partly the size is larger than the borehole diameter, black colour of the soil

Data - Basic
 Stratigraphy: Recent
 Classification according to EN ISO 14688-1: saCl
 Classification according to EN ISO 14688-2: []
 RQD: -
 Notes: Easy drilling
 My Drillability: MD = []

OK + ↓, OK, Cancel

In the next step, we will add new “Samples”. We will return to entering the template and gradually select what we want to edit:

- Samples editing
- Editing sample types

In the upper right corner of the window, next to the “Parameters” item, click on the menu button and enable editing of the selected parameters – change the type to “fixed changed”. The “Add” button will appear, with which we will enter the new samples

Edit template set
 Name: EM 44

No.	Name	Capability	Comment
1	Borehole	model creation, borehole	

Parameters

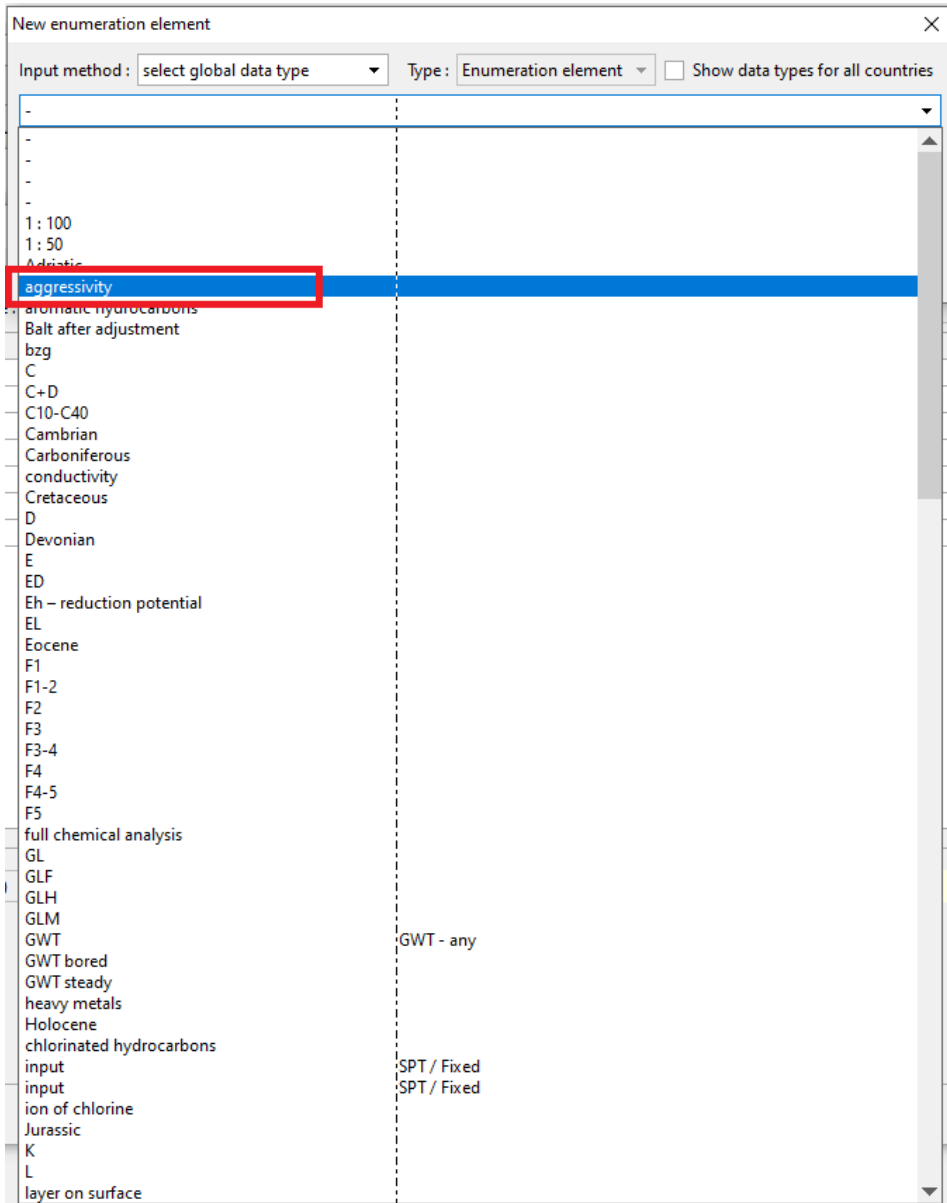
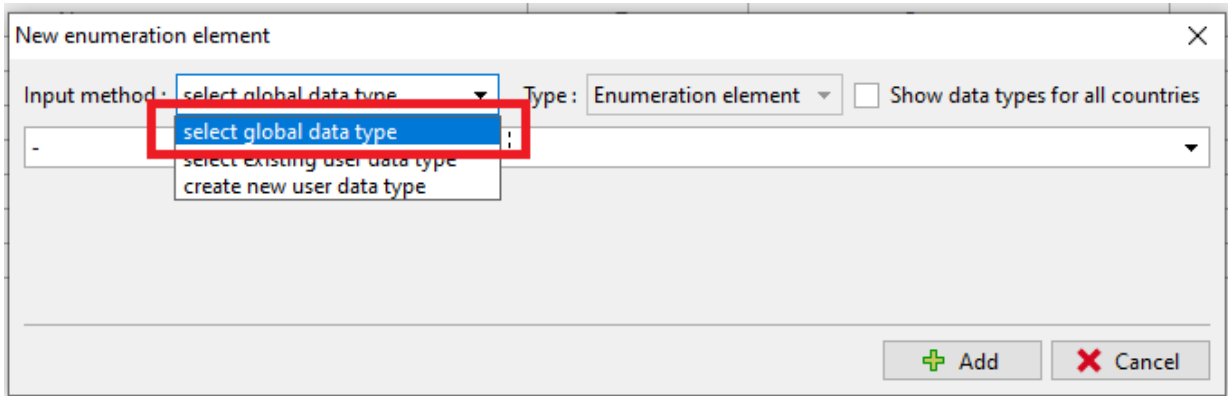
No.	Name	Type	Parameters	Conditional input	Comment
7	GWT bored	String	Symbol GWT _s		Read only - list of GWT bored from GWT
8	GWT steady				
9	Layers				
10	Samples				

Edit data type
 Parameters of data type
 Type: Enumeration
 Name: Sample type
 Comment: Borehole-SPT-PMT / Fixed

No.	Name	Type	Parameters	Comment
1	undisturbed	Enumeration element		
2	disturbed	Enumeration element		
3	technological	Enumeration element		
4	rock strength	Enumeration element		
5	leachate	Enumeration element		
6	sample of water	Enumeration element		
7	other	Enumeration element		

changed global
 Add (to the end)

First, we add the “Aggressivity” sample. This data type exists in the “Global data library”. Select the option “Select global data type” and find the item aggressivity in the menu.



After pressing the “Add” button, we see that the new type of sample “Aggressivity” has been assigned to the list. The second enumeration item is not in the predefined global library, so we enter a new data type

Edit table column

Parameters of data type

Type: Enumeration Name: Sample type EN Comment: Borehole+SPT+PMT / Fixed EN Parameters: changed global

No.	Name	Type	Parameters	Comment
1	undisturbed	Enumeration element		
2	disturbed	Enumeration element		
3	technological	Enumeration element		
4	rock strength	Enumeration element		
5	leachate	Enumeration element		
6	sample of water	Enumeration element		
7	other	Enumeration element		

Conditional input

Master enumeration: (unspecified)

Changed Global data type

Buttons: OK+, OK, OK+, Cancel

New enumeration element

Input method: create new user data type

Buttons: OK, Cancel

New enumeration element

Parameters of data type

Type: Enumeration element Name: Rock strength - Schmidt EN Comment: EN

Enumeration element has no other parameters.

User data type

Buttons: Add, Cancel

Let's look at the result of the assignment.

Edit table column

Parameters of data type

Type: Enumeration Name: Sample type EN Comment: Borehole+SPT+PMT / Fixed EN Parameters: changed global

No.	Name	Type	Parameters	Comment
1	undisturbed	Enumeration element		
2	disturbed	Enumeration element		
3	technological	Enumeration element		
4	rock strength	Enumeration element		
5	leachate	Enumeration element		
6	sample of water	Enumeration element		
7	other	Enumeration element		
8	aggressivity	Enumeration element		
9	Rock strength - Schmidt	Enumeration element		

Conditional input

Master enumeration: (unspecified) No enumerations defined for using as master.

Changed Global data type

OK + ↑ OK + ↓ OK Cancel

When editing the borehole, we check that the new samples can be entered and drawn.

Test parameters

Test name: BH1

Coordinate: x = 0,00 [m] y = 0,00 [m]

Height: input z = 0,00 [m]

Depth of 1. point: d₁ = 0,00 [m]

Overall depth: d_{tot} = 24,00 [m]

Field test generates soil profile

Layers | Samples | Table GWT | Data - Protocol | Data - Test | Attachments

No.	Depth from d _{min} [m]	Depth to d _{max} [m]	Sample type	Sample index
1	4,00	6,00	disturbed	2086
2	8,00		aggressivity	2100
3	11,00		undisturbed	2087
4	23,00		rock strength	2095

New table row

Depth: d = 8,00 [m]

Depth to

Sample type: Rock strength - Schmidt

Sample index: 2100

Soil profile

Depth [m]

0,0
1,5
3,0
4,5
6,0
7,5
9,0
10,5
12,0
13,5
15,0
16,5
18,0
19,5
21,0
22,5
24,0

Sand with trace of fines
Gravelly
Sandy
Shale, fully weathered
Shale, moderately weathered
Shale, slightly weathered

Print log Import OK Cancel

The last required data change is to **move the Notes from "Layers" data to "Borehole" data.**

This modification is simple – from the section no. 9 "Layers", "Basic data" we will **copy** and remove the data type "Notes".

Parameters of data type

Type: Group Name: Ab Data - Basic EN Comment:

No.	Name	Type	Parameters	Comment
1	Stratigraphy	String		Borehole+Well+SPT-PMT / User
2	Classification according to EN ISO 14688-1	String		Soil/Rock Test / User
3	Classification according to EN ISO 14688-2	String		Soil/Rock Test / User
4	RQD	String	Unit description: [%], [%]	Soil/Rock Test / User
5	Notes	String	Multiline string	General / User
6	My Drillability	String	Symbol: MD	

Question

Do you really want to delete selected group item?

Yes No

Remove (number 5)

Copy (number 5)

Master enumeration: (unspecified) No enumerations defined for using as master.

User data type OK + OK Cancel

We will paste the data type “Notes” to section no. 12 – “Data protocol” (using the “Paste” button).

The screenshot shows the 'Edit template' window for a borehole. A 'Paste data types' dialog box is open, displaying a table with the following data:

Name	Type	Paste	Replace	Note
Notes	String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Will be pasted as a new data type.

The 'Paste' button in the dialog is highlighted in red. Below the dialog, the 'Input data' table in the main window shows section 12 highlighted in green:

No.	Name	Type	Parameters	Conditional input	Comment
11	Table GWT Depth GWT type GWT bored GWT steady GWT description	Table String Enumeration element Enumeration element Enumeration element	With depth Number of elements 3		Borehole-Wall-SPT-PMT / Fixed
12	Data - Protocol Annex no. Location Documented Evaluated Processed Date start Date end Date and time Foreman Notes	Group String String String String Date and time Date and time String	Number of elements 9		
13	Data - Test Drilling equipment Drilling Depth from Depth to Drilling dia. Casing Depth from Depth to	Group String Table Number Number Number Table Number Number	Number of elements 3		

A note for the whole borehole will then be added in the “Data – Protocol” tab.

The screenshot shows the 'Edit field test properties (borehole)' window. The 'Data - Protocol' tab is selected, and the 'Notes' field contains the text: "Sunny, 17C No complication during drilling". The 'Notes' field is highlighted with a red box. On the right, a soil profile diagram is visible, showing depth in meters from 0.0 to 24.0. The soil profile consists of several layers: Fill (0.0-4.5m), Sand with trace of fines (4.5-6.0m), Gravelly (6.0-7.5m), Sandy (7.5-10.5m), Shale fully weathered (10.5-12.0m), Shale (12.0-13.5m), Shale moderately weathered (13.5-16.5m), and Shale slightly weathered (16.5-24.0m).

We enter the data “My Drillability” for the individual layers. The fastest way to complete the data is to open the first layer in the borehole, enter the drill value, and use the OK arrow button to move to the next layer.

By doing this, we have the template data, and the data for the borehole entered. Now we need to adjust the output protocols to match the newly defined data. We go to the Output protocols section, and edit the “Borehole – field test” output protocol.

A new window for editing the output log will open. The window contains three tabs.

	A : 1.0	B : 1.0	C : 1.0	D : 1.0	E : 1.0	F : 1.0	G : 1.0	H : 1.0	I : 1.0	J : 1.0
1 : 2.0	Soil Boring a. s. Nad Kaminkou 24, Praha, 156 00									BH1
2 : 1.0	Project: Apartment building "Moonlighting" - Geological survey									
3 : 1.0	Project ID: AA_0014 - 2019			Annex no.: A.1G		Drilling equipment: Hütte 202 TF				
4 : 1.0	Location: Prague 12				Overall depth: 24.00 m		Borehole position:			
5 : 1.0	Date start: 22.11.2017		Foreman: Mr. Young		Ground water table:			Coordinate X: 0,00		
6 : 1.0	Date end: 23.11.2017		Documented: Mr. Smith		GWT bored: 15,80 m			Coordinate Y: 0,00		
7 : 1.0	Scale: one page				GWT steady: 12,50 m			Coordinate Z: 0,00 m		
8 : 1.0	Drilling:				Casing:					
9 : 1.0	Depth from	Depth to	Drilling dia.	Depth from	Depth to	Casing dia.				
10 : 1.0	0,00 m	20,00 m	195 mm	0,00 m	20,00 m	191 mm				
11 : 1.0	20,00 m	24,00 m	156 mm							

Switch to the Columns tab. On the screen, we see the form of the original protocol. The column “I” is empty, because we have already deleted the Notes data. Therefore, we delete the column

The screenshot shows the 'Edit protocol' dialog box with the 'Columns' tab selected. The main table has columns: 'My Drilling', 'Borehole', 'Notes', 'F', 'G', and 'I'. A 'Delete column' dialog box is open, showing 'Delete column: I' and 'Number: 1'. The 'Layers description' table is visible in the background.

From	To	Layers description
0.00	4.90	Fill the ground (SAND) with coarse silt, dense, mixed with clumps of coarse and pieces of silt partly the size is larger than the horizontal diameter. Dark color of the soil.
4.90	6.40	Fill coarse (SAND), with some silty clay and fresh organic matter up to 10 mm, dark grey color. Sand with top of fine, medium grained with some fine silty clay, dark brown.
6.40	8.00	Gravelly clay, hard, granular particles up to 10 mm, weathered, dark brown.
8.00	9.00	Weathered sandstone.
9.00	10.00	Sandy clay, hard, with some pieces of gravel (quartz) up to 30 mm, dark brown.
10.00	12.00	Sandy clay with some gravel, hard, granular, sub-angular stones up to 10 mm, weathered, brownish.
12.00	14.00	Shale, fully weathered reddish soil, clay character with small particles of shells up to 5 mm, gravel parts are weathered, grey.
14.00	15.00	Shale, weathered in horizontal core (small plates, partly fragments 10-20 mm, weak strength, friable and breaks on foliation planes, brownish).
15.00	19.20	Shale, moderately weathered, layered, dark shaly fragments 10-20 mm, partly inclines, weak/moderately strong, wet, dark grey.
19.20	20.00	Shale, slightly weathered, moderate strong, fine layered, steeply inclined, wet (underwater) - under water table, dark grey.

We will add a new column between the F and G columns, where we will display the “My Drilling” data.

The screenshot shows the 'Edit protocol' dialog box with the 'Columns' tab selected. The main table has columns: 'My Drilling', 'Borehole', 'Notes', 'F', 'G', and 'I'. An 'insert column' dialog box is open, showing 'insert column: Between F and G' and 'Number: 1'. The 'Layers description' table is visible in the background.

After creating the column, click on it and select what you want to display in the cell. Select the “Test data-name” option and select it from the list. The edited cell is shown in light blue.

The screenshot shows the 'Edit protocol' dialog box with the 'Columns' tab selected. The main table has columns: 'My Drilling', 'Borehole', 'Notes', 'F', 'G', and 'I'. A 'Cell modification G1' dialog box is open, showing 'Item type: Text' and 'Test data - name' selected. The 'Layers description' table is visible in the background.

Select the "My Drillability" and then in the window edit how we want the cell displayed. When editing, the borehole drawing is immediately redrawn.

Test data - name

Name	Symbol	Unit
Thickness	t	m
Depth	d	m
Soil name		
Soil pattern		
Layer description		
Data - Basic		
Stratigraphy		
Classification according to EN ISO 14688-1		
Classification according to EN ISO 14688-2		
RQD		[%]
My Drillability	MD	
Samples		
Depth from	d _{min}	m
Depth to	d _{max}	m
Sample type		
undisturbed		
disturbed		
technological		
rock strength		
leachate		

OK Cancel

Cell modification G1

Number of columns: 1 Right margin Background color: [Color]

Number of row: 1 Bottom margin

Item 1

Item type: Text Insert field ▾

My Drillability

+ Add item (to the end)
+ Insert item (before 1)

— Item location into cell

Horizontal: center ▾ Part of width: 100 [%]

Vertical: center ▾ Part of height: 100 [%]

— Font and text

Font color: [Color] Bold Vertical text

Font size: normal Italic Word wrap

Size modification: reduce Underlined

OK Cancel

Edit protocol

Name: Borehole - Field test EN

Layout: Table - Column - Table

Protocol type: Field tests

Scale: one page, two pages, 1:50, 1:100

Tables: Thickness: 0,40 [mm] Color: [Color] Inner lines Thickness: 0,20 [mm] Color: [Color] Row: 3,0 [mm] Font: 3,5 [mm]

Paper format: A4, portrait

Margins: Top: 15,0 [mm] Bottom: 15,0 [mm] Left: 15,0 [mm] Right: 15,0 [mm]

Font and text: Default (Arial)

Preview: Field test: BH1 Print preview

Upper table Columns Bottom table

Cell modification G1

Number of columns: 1 Right margin Background color: [Color]

Number of row: 1 Bottom margin

Item 1

Item type: Text Insert field ▾

My Drillability

+ Add item (to the end)
+ Insert item (before 1)

— Item location into cell

Horizontal: center ▾ Part of width: 100 [%]

Vertical: center ▾ Part of height: 100 [%]

— Font and text

Font color: [Color] Bold Vertical text

Font size: normal Italic Word wrap

Size modification: reduce Underlined

OK Cancel

OK Cancel

After entering the column heading cell, enter the second cell – the contents of the column. The column type is “Text description” and we enter “My Drillability” as data source. The edited cell is again shown in light blue.

Column modification G ✕

Number of columns: Right margin Background color:

— Column content

Column type:

Data source:

Description:

Hide column if no data for show

— Font and text

Font color: Bold Vertical text

Font size: Italic Word wrap

Size modification: Underlined

— Other parameters

Line color: Draw line left

Line thickness: [mm] Draw line right

Fill color:

Draw fill or pattern

Draw description

Draw line Optimize position

Show extremes

Draw elevation dimension

Flip horizontally

Draw perforation sample

Edit protocol ✕

Name: Borehole - Field test EN

Layout: Table - Column - Table

Protocol type: Field tests

Scale: one page two pages 1:50 1:100

Tables: Frame Thickness: 0,40 [mm] Color: black Inner lines Thickness: 0,20 [mm] Color: black Height Row: 5,0 [mm] Font: 3,5 [mm]

Paper format: Paper size: A4 Layout: portrait

Margins: Top: 15,0 [mm] Bottom: 15,0 [mm] Left: 15,0 [mm] Right: 15,0 [mm]

Font and text: Default (Arial)

Field test: BH1 Print preview

Stratigraphy	Samplers and tests	Drillability
Borehole	hC1	0,00 - 4,00
Quaternary	g1	4,00 - 6,40
Quaternary	g2	6,40 - 8,80
Quaternary	g3	8,80 - 10,20
Quaternary	g4	10,20 - 11,60
Oboluvina	g5	11,60 - 14,00
Oboluvina	g6	14,00 - 16,40
Oboluvina	g7	16,40 - 18,80
Oboluvina	g8	18,80 - 21,20
Oboluvina	g9	21,20 - 23,60
Oboluvina	g10	23,60 - 26,00

Column modification G ✕

Number of columns: Right margin Background color:

— Column content

Column type:

Data source:

Description:

Hide column if no data for show

— Font and text

Font color: Bold Vertical text

Font size: Italic Word wrap

Size modification: Underlined

— Other parameters

Line color: Draw line left

Line thickness: [mm] Draw line right

Fill color:

Draw fill or pattern

Draw description

Draw line Optimize position

Show extremes

Draw elevation dimension

Flip horizontally

Draw perforation sample

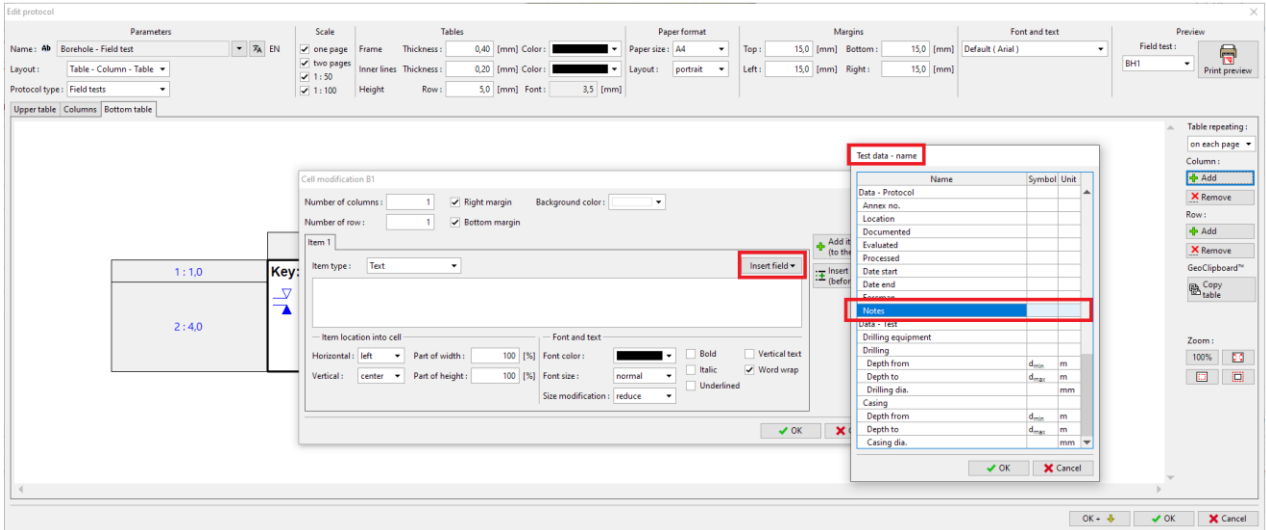
The picture with the drawing can be viewed using the mouse wheel resp. the control buttons. You can zoom in and check that the entries are correct.

The screenshot shows the 'Edit protocol' window with the 'Columns' tab selected. The main table displays borehole data for BH1. The vertical axis represents depth in meters, ranging from 0.00 to 11.00. The table columns include Stratigraphy, BH1, Samples and GWT, Classification according to EN ISO 14888-1, RQD [%], My Drillability, From, To, and Layers description. A red hatched area indicates a disturbed zone between 0.00 and 2.00 meters. A blue triangle indicates a GWT steady point at 2.100 meters. The 'Layers description' column contains text describing soil types like 'Fill: fine grained SAND' and 'Gravelly clay'. The right sidebar shows zoom controls set to 100%.

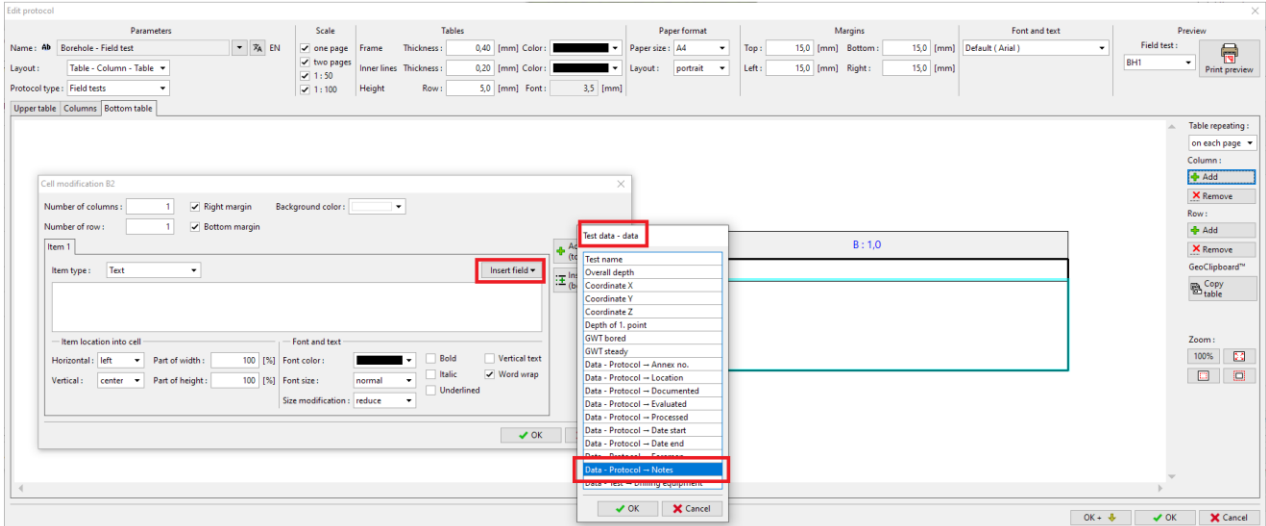
Now switch to the “Bottom table” tab and add a new column

The screenshot shows the 'Edit protocol' window with the 'Bottom table' tab selected. A key is displayed with symbols for GWT bored, GWT steady, undisturbed, disturbed, and rock strength. An 'insert column' dialog box is open, showing 'insert column: Behind A' and 'Number: 1'. The right sidebar shows zoom controls set to 100%.

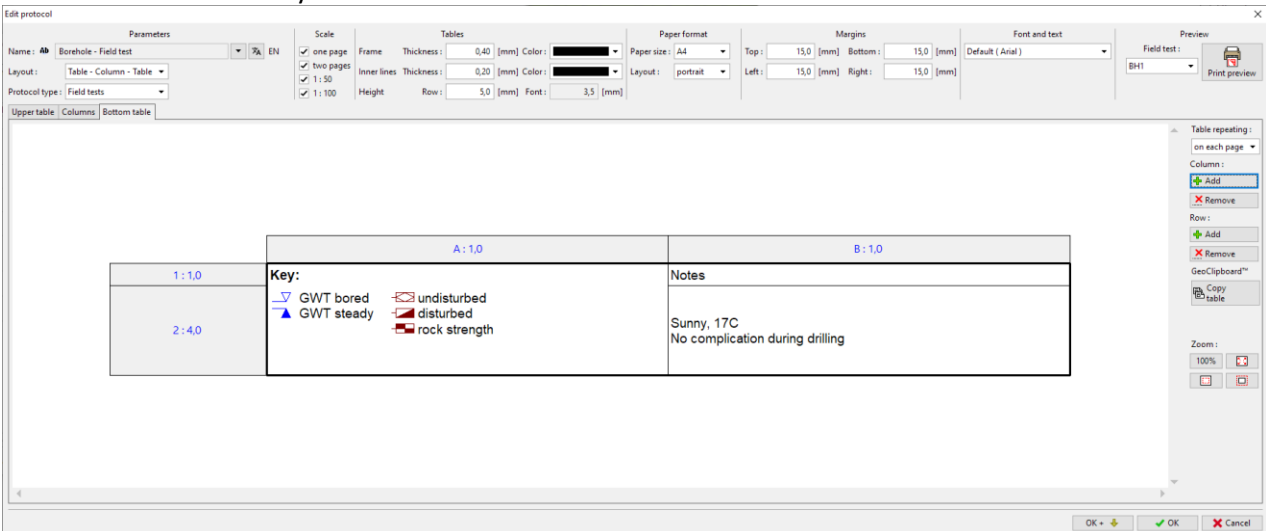
The top cell of the column will contain the “Test data - name” and the item “Notes”



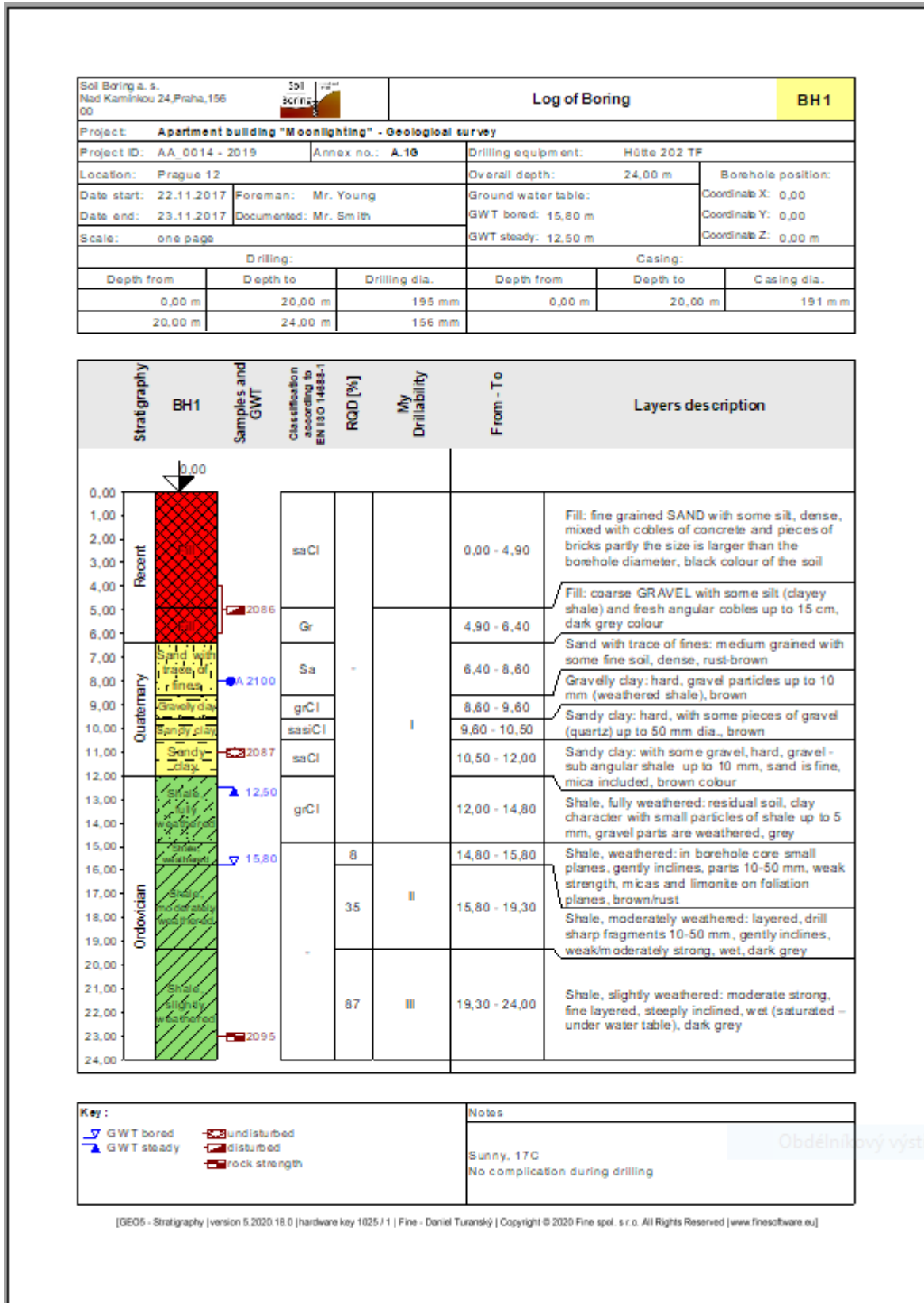
The bottom cell of the column will contain the “Test data – content” and the same item “Notes”



The bottom table is ready.



The new template is done – we can print the result for check.



The template set is now created. In the template administrator, we can set the template set as default. It will be set as default in each new task.

Template administrator
✕

No.	Type	Name	Visible	Default
1	Standard	CZ - GEOFOND	<input checked="" type="checkbox"/>	<input type="radio"/>
2	Standard	CZ - GEPRODO	<input checked="" type="checkbox"/>	<input type="radio"/>
3	Standard	CZ - HUPO	<input checked="" type="checkbox"/>	<input type="radio"/>
4	Standard	EN - Standard	<input checked="" type="checkbox"/>	<input type="radio"/>
5	Standard	PT - Template	<input checked="" type="checkbox"/>	<input type="radio"/>
6	Standard	RO - Template	<input checked="" type="checkbox"/>	<input type="radio"/>
7	Standard	US - Template	<input checked="" type="checkbox"/>	<input type="radio"/>
8	Standard	PL - Template	<input checked="" type="checkbox"/>	<input type="radio"/>
9	Standard	CN - Standard	<input checked="" type="checkbox"/>	<input type="radio"/>
U 1	User	EM 44	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>

Column "Default" determines template set for new tasks of the "Stratigraphy" program.