Izrada korisničkih predložaka

Program: Stratigrafija – Izvještaji
Datoteka: Demo_manual_44.gsg

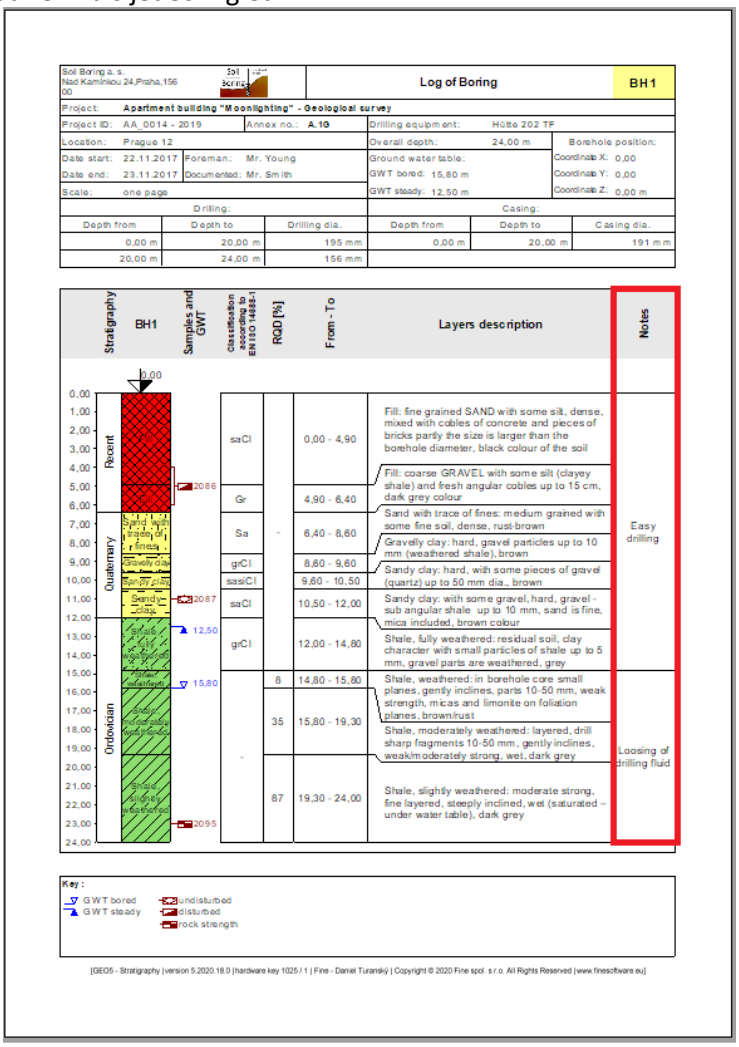
Svaka država ili tvrtka ima svoje zahtjeve izgleda izvještaja terenskih ispirivanja. Program Stratigrafija dopušta definiranje bilo kojih podataka i protokola unutar seta predložaka. Cilj ovog inženjerskog priručnika je pokazati kako možete izraditi ove predloške i kako ih urediti.

Zadatak
Promijenite set predložaka **"EN-Standard"** za bušotine tako da:

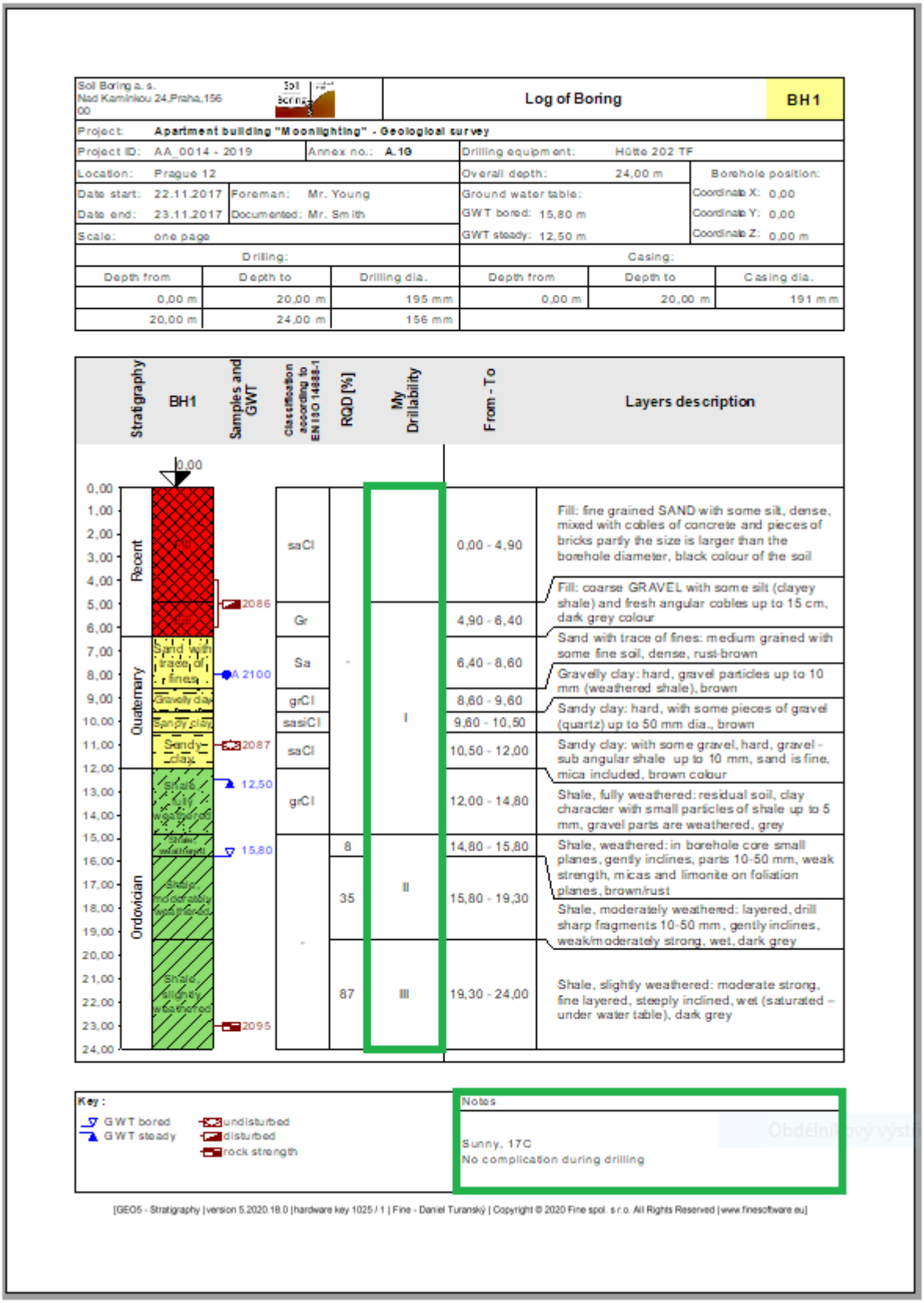
- Slojevi sadrže tekstualne podatke "My Drillability"
- Bilješke se ne unose u individualni sloj, već za cijelu bušotinu
- Sadrži nove vrste uzoraka za "*Aggressivity*" i "*Rock strength – Schmidt"*

Koristite podatke iz prethodnoh inženjerskog priručnika – Demo_manual_42.gsg. Nazovite novi set predložaka EM 44 i spremite ga u Templates Administrator za buduće korištenje.

Zatim promijenite izlazni izvještaj kako bi se prilagodio novim podacima. Izlazni izvještaj seta predložaka "EN-Standard" za bušotine ima sljedeći izgled:



Zahtijevani izgled protokola:



Soil Boring a. s.
Nad Kamínkou 24,Praha,15600

Log of Boring — BH1

Project:	Apartment building "Moonlighting" - Geological survey				
Project ID:	AA_0014 - 2019	Annex no.: A.10	Drilling equipment:	Hütte 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:

Depth from	Depth to	Drilling dia.
0,00 m	20,00 m	195 mm
20,00 m	24,00 m	156 mm

Casing:

Depth from	Depth to	Casing dia.
0,00 m	20,00 m	191 mm

Stratigraphy BH1	Samples and GWT	Classification according to EN ISO 14688-1	RQD [%]	My Drillability	From - To	Layers description
Recent	2086	saCl			0,00 - 4,90	Fill: fine grained SAND with some silt, dense, mixed with cables of concrete and pieces of bricks partly the size is larger than the borehole diameter, black colour of the soil
		Gr		I	4,90 - 6,40	Fill: coarse GRAVEL with some silt (clayey shale) and fresh angular cobles up to 15 cm, dark grey colour
Quaternary	A 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
	2087	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
	12,50	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
	15,80		8		14,80 - 15,80	Shale, weathered: in borehole core small planes, gently inclines, parts 10-50 mm, weak strength, micas and limonite on foliation planes, brown/rust
Ordovician			35	II	15,80 - 19,30	Shale, moderately weathered: layered, drill sharp fragments 10-50 mm, gently inclines, weak/moderately strong, wet, dark grey
	2095		87	III	19,30 - 24,00	Shale, slightly weathered: moderate strong, fine layered, steeply inclined, wet (saturated – under water table), dark grey

Key:
- GWT bored
- GWT steady
- undisturbed
- disturbed
- rock strength

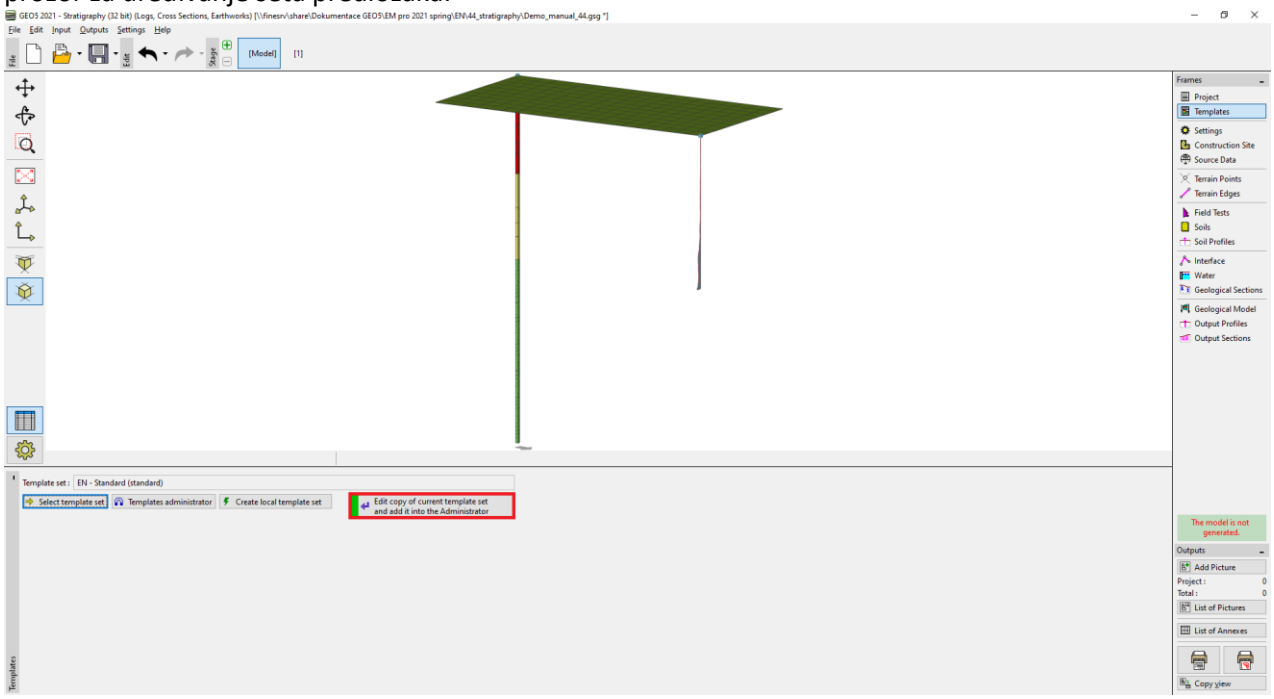
Notes

Sunny, 17C
No complication during drilling

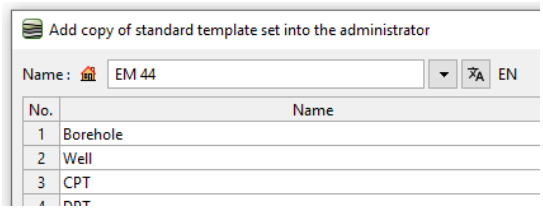
[GEO5 - Stratigraphy | version 5.2020.18.0 | hardware key 1025 / 1 | Fine - Daniel Turanský | Copyright © 2020 Fine spol. s r.o. All Rights Reserved | www.finesoftware.eu]

Rješenje:

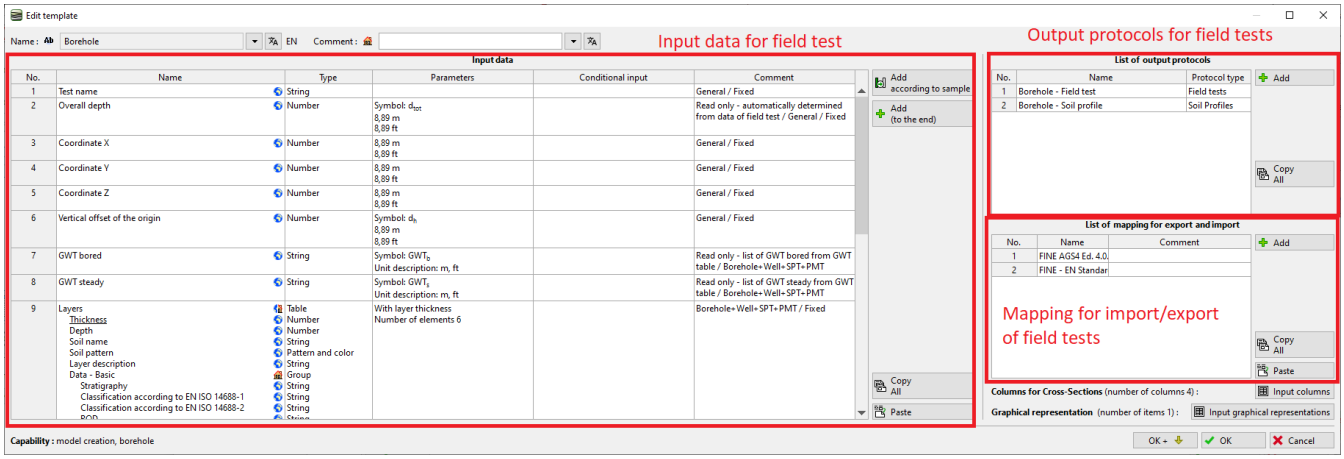
Najprije otvorite Demo_manual_42.gsg datoteku, koja sadrži podatke ispitivanja. U kartici Templates provjerite da ste postavili set predložaka koji želite uređivati – "EN – Standard" (Ako je drugi set predložaka odabran, možemo ga promijeniti klikom na tipku "Select Template" u popisu predložaka). Pritisnite tipku "Edit copy of current template set and add it into the Administrator" kako biste otvorili prozor za uređivanje seta predložaka.



Preimenovat ćemo novi set predložaka u "EM44". Nakon uređivanja, predložak je spremljen u "Templates administrator".

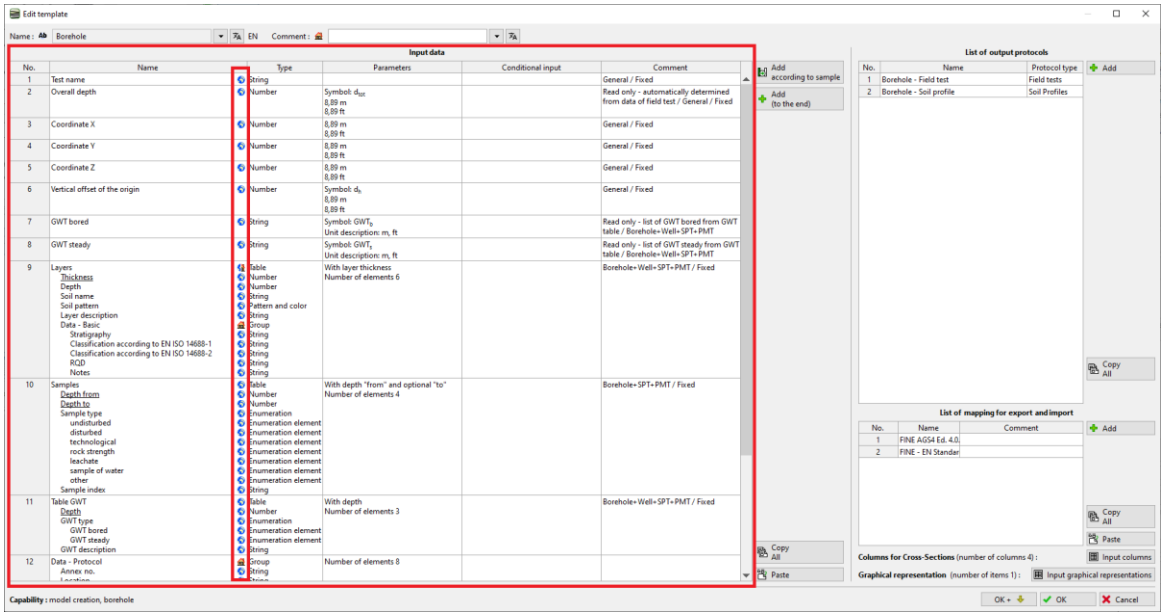


U tablici odabiremo predložak Br. 1 (Bušotina). U prozoru "Edit template" možemo vidjeti da predložak sadrži podatke odabranog ispitivanja (lijeva strana prozora) i protokole kako ispisati podatke (desna strana prozora). Zatim, mapiranje za uvoz/izvoz se nalazi u desnom uglu prozora (više informacija možete pronaći u EM47 – Izvoz i uvoz terenskih ispitivanja u Stratigrafiju).



Napomena: Unutar jednog predloška, možemo definirati podatke za sve vrste ispitivanja koje program Stratigrafija podržava (Bušotina, Bunar, CPT, DPT, SPT, DMT i PMT), također i sve izlazne protokole unesenih podataka.

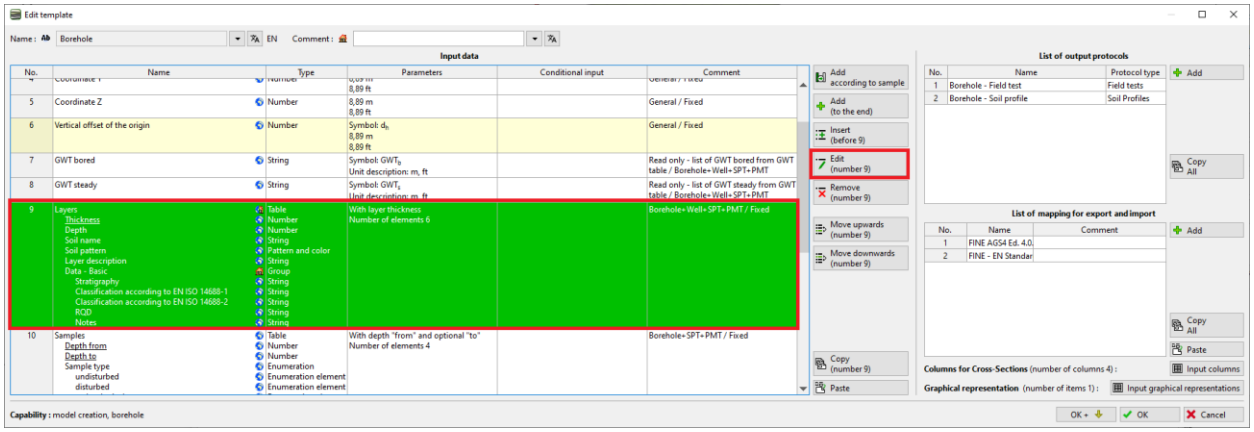
Najprije ćemo se fokusirati na uređivanje podataka. U lijevom dijelu prozora prikazani su svi podaci sadržani u predlošku.



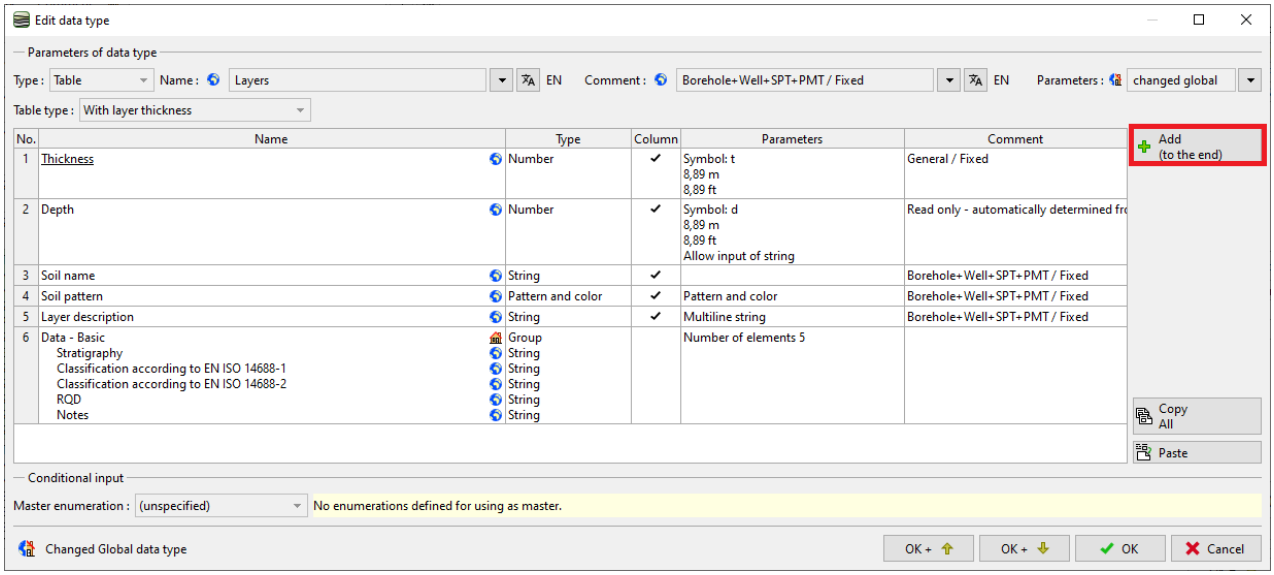
Napomena: Individualni podaci imaju sporedne oznake za jasnoću, kako bi se korisnik lakše orjentirao.

1. *Kuća ( ) – prikazuje da je vrsta podataka izrađena i imenovana od strane korisnika*
2. *Globus ( ) – prikazuje da je vrsta podataka odabrana iz "Global Library". Globalna knjižnica sadrži predefinirane vrste podataka koje korisnik može umetnuti u svoj predložak.*
3. *Globus s kućom ( ) – prikazuje da je vrsta podataka odabrana iz globalne knjižnice i nakon toga modificirana od strane korisnika.*

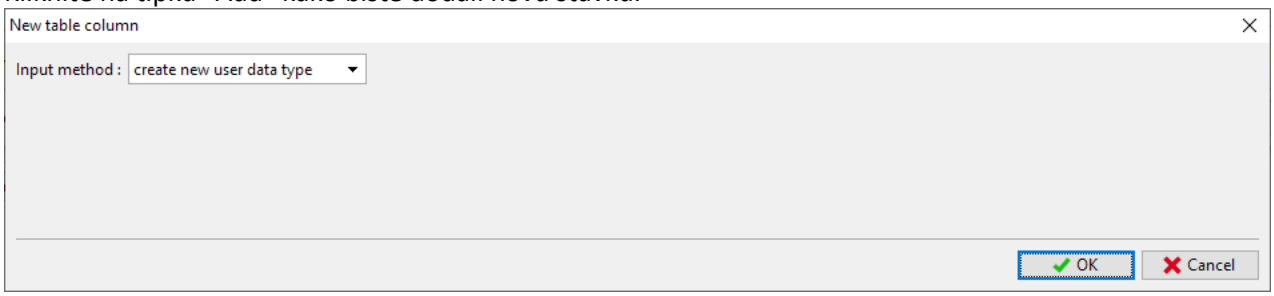
Unosimo novo svojstvo sloja – “My Drillability”. U kartici “Borehole” odaberite stavku – br.9 “Layers” i kliknite na tipku “Edit” (Možete odabrati i duplim lijevim klikom)



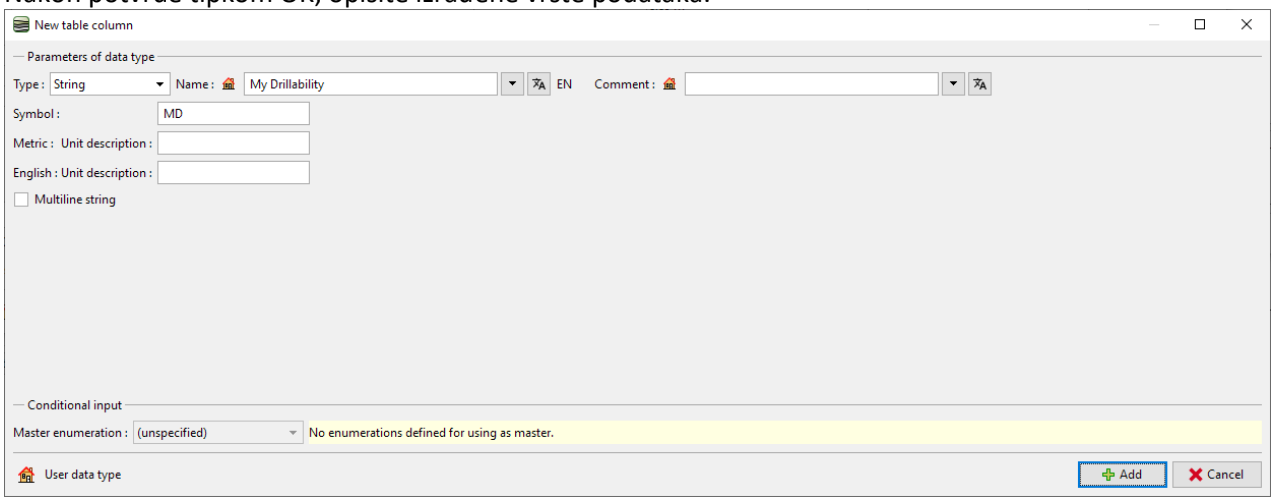
Otvara se “Edit data type” dijaloški prozor koji sadrži podatke slojeva tla.



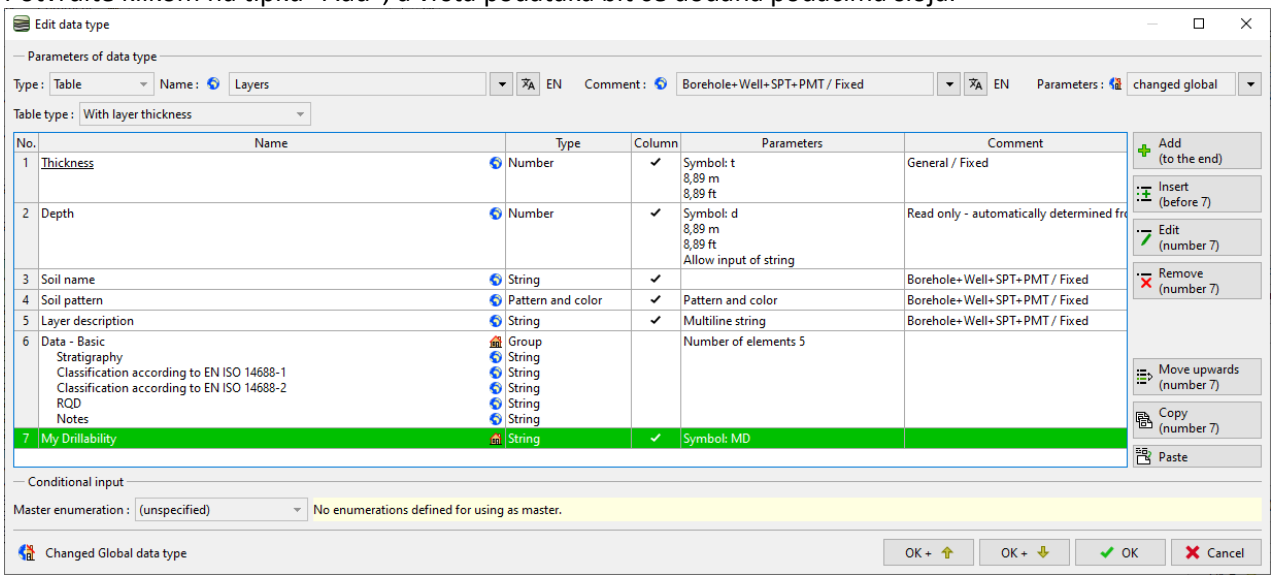
Kliknite na tipku “Add” kako biste dodali novu stavku.



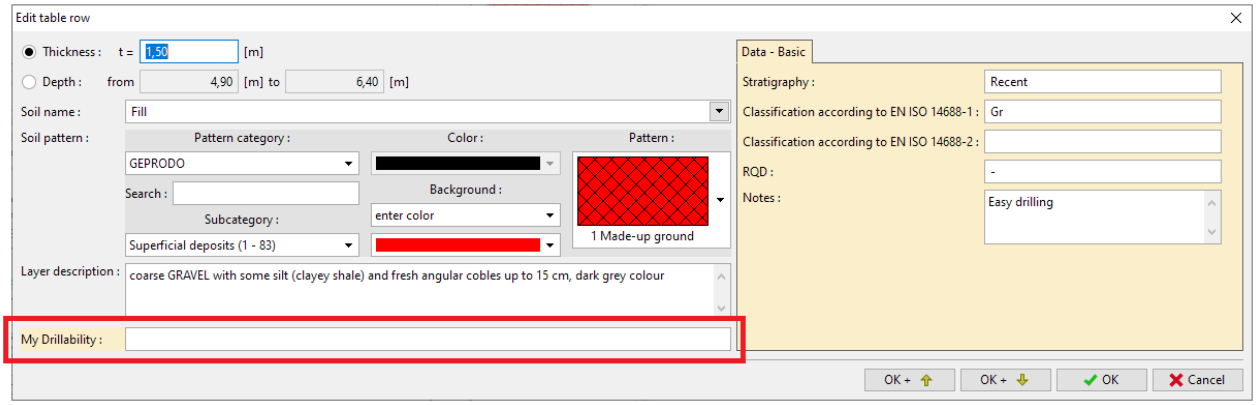
Nakon potvrde tipkom OK, opišite izrađene vrste podataka.



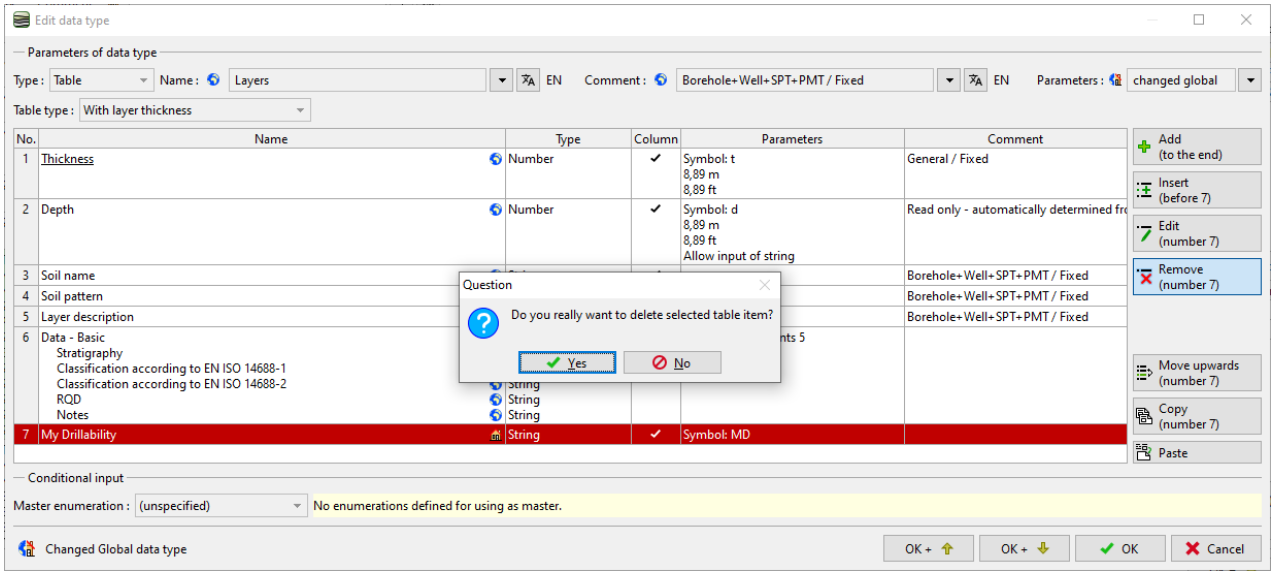
Potvrdite klikom na tipku “Add”, a vrsta podataka bit će dodana podacima sloja.



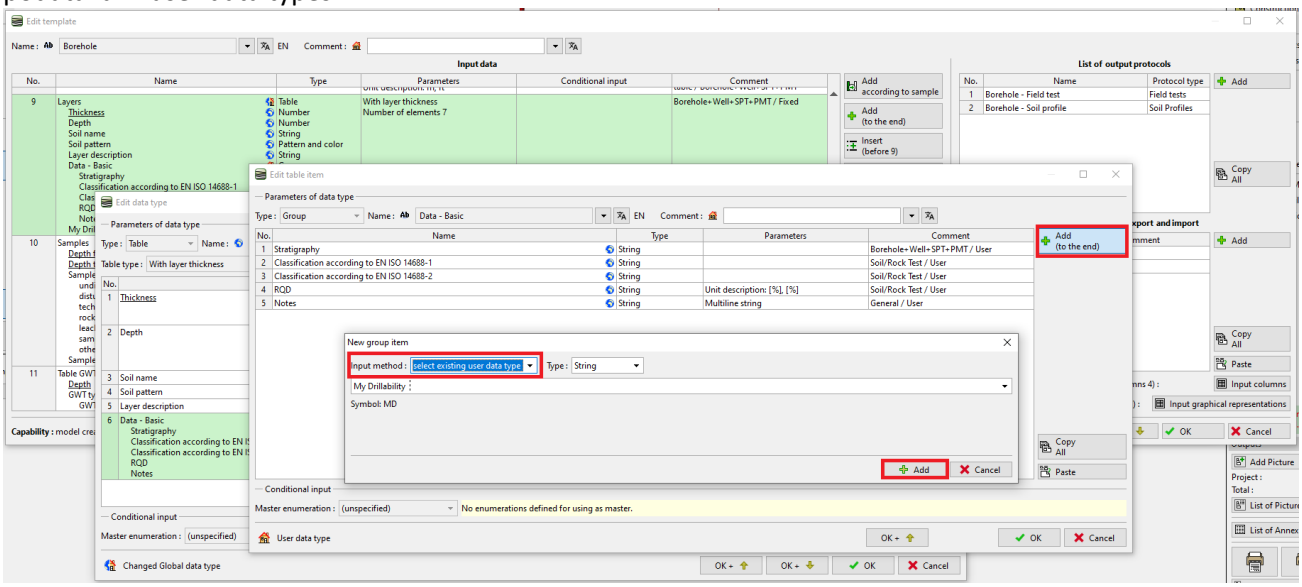
Prestat ćemo s unosom i pogledati kako su uneseni novo kreirani podaci. Idemo na uređivanje bušotine i uređivanje slojeva bušotine. Nova vrsta podataka “My Drillability” je prikazana u glavnom dijelu prozora.



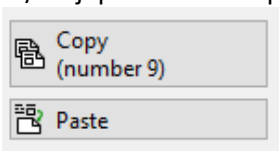
Unos nije baš najjasniji, pa smo odlučili modificirati podatke. Želimo stavku “My Drillability” kao dio kartice “Data – basic” na desnoj strani dijaloškog prozora. Zato idemo natrag na uređivanje predloška i uređivanje podataka slojeva. Najprije brišemo našu vrstu podataka “My Drillability” koju smo unijeli.



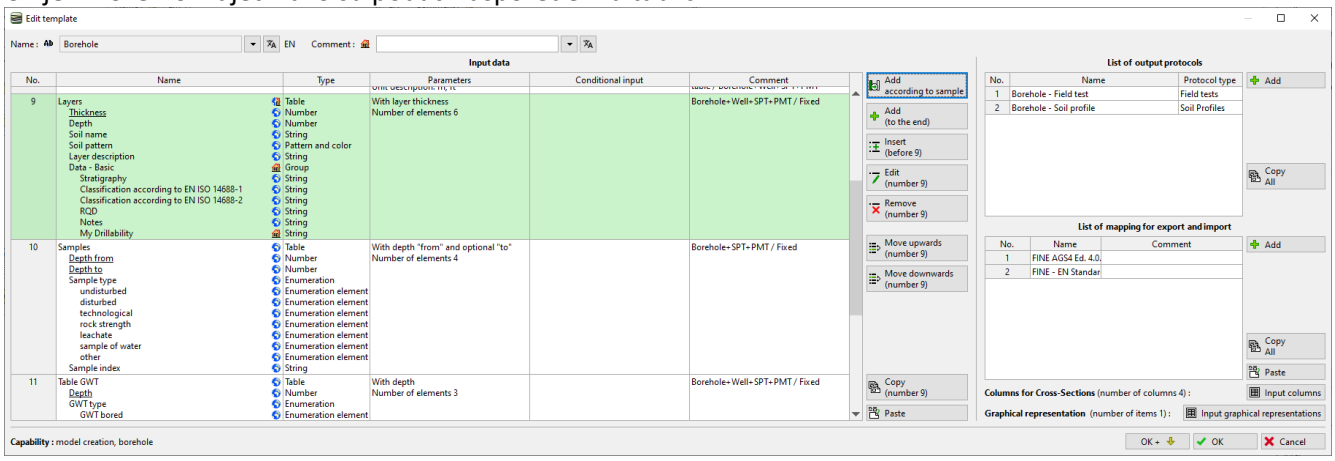
Zatim odabiremo tablicu “Data-Basic” i dodajemo našu vrstu podataka u nju. Zato što smo ju već definirali, nije ju potrebno ponovno unositi, ali ćemo ju odabrati od već postojećih korisničkih vrsta podataka - “user data types”



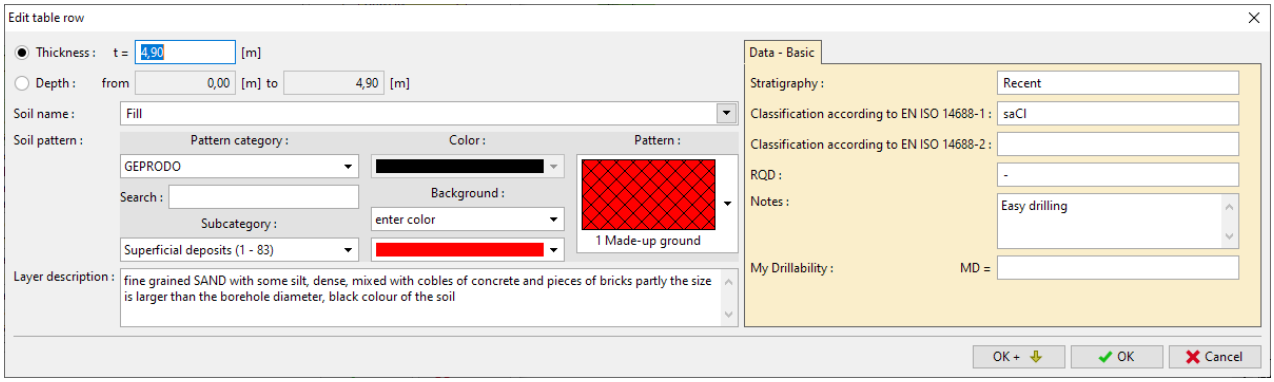
Savjet: Sve vrste podataka se mogu kopirati/zalijepiti koristeći tipke u donjem lijevom dijelu tablice.



Uvijek možemo vidjeti kako su podaci raspoređeni u tablici:



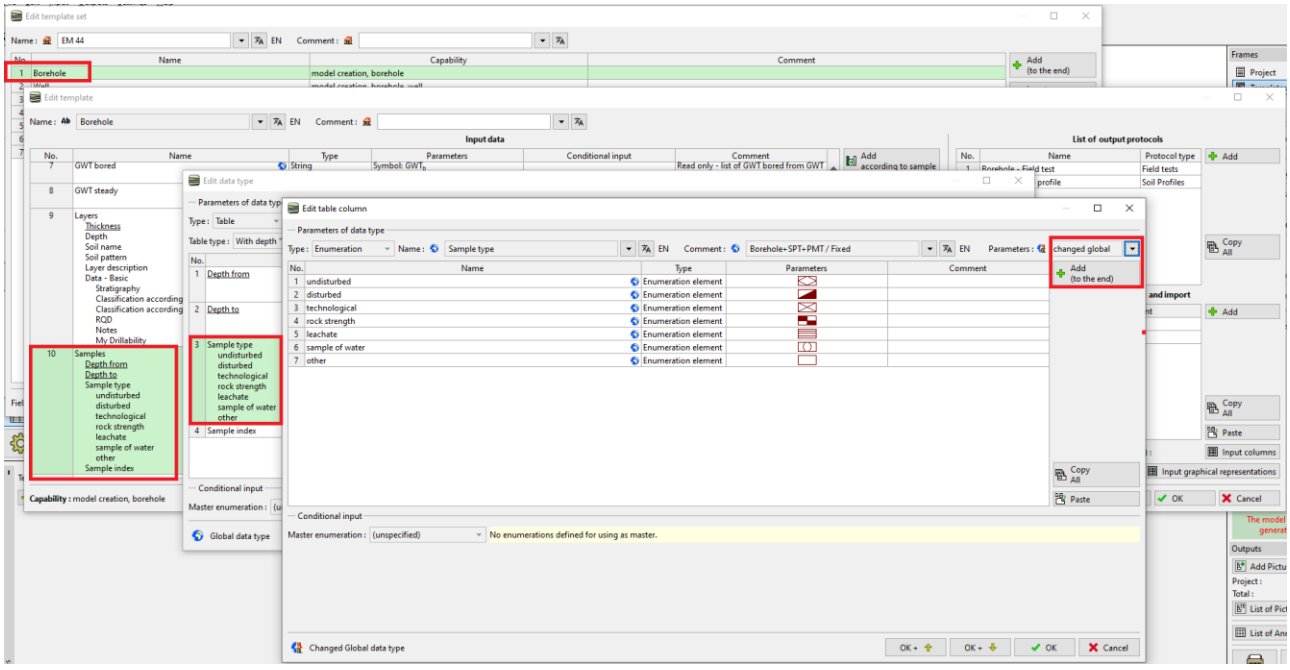
U kartici “Field Test” provjerit ćemo odgovara li dodjela našoj ideji. Sad su podaci “My Drillability” uneseni u karticu “Data – Basic”.



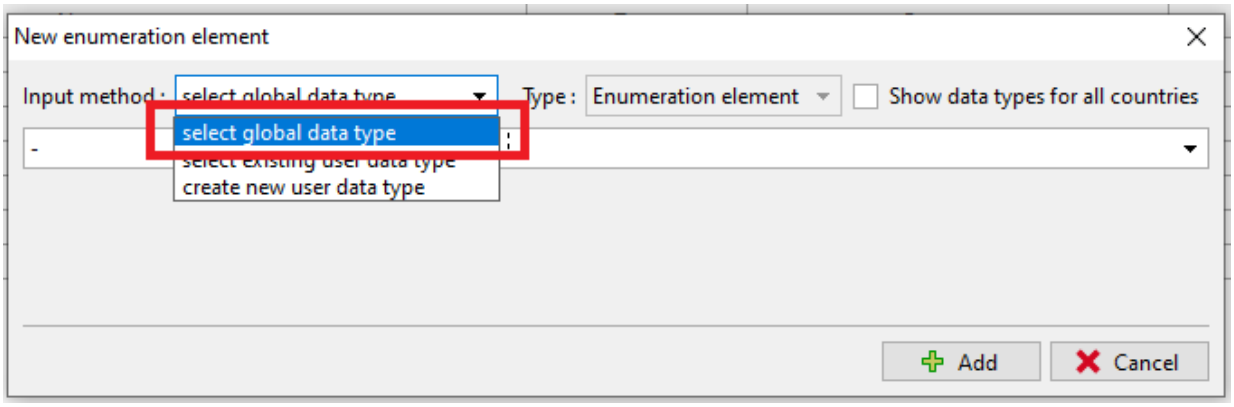
U sljedećem koraku dodajemo novi “Samples”. Vratit ćemo se na unos predloška i postepeno odabrati što želimo urediti:

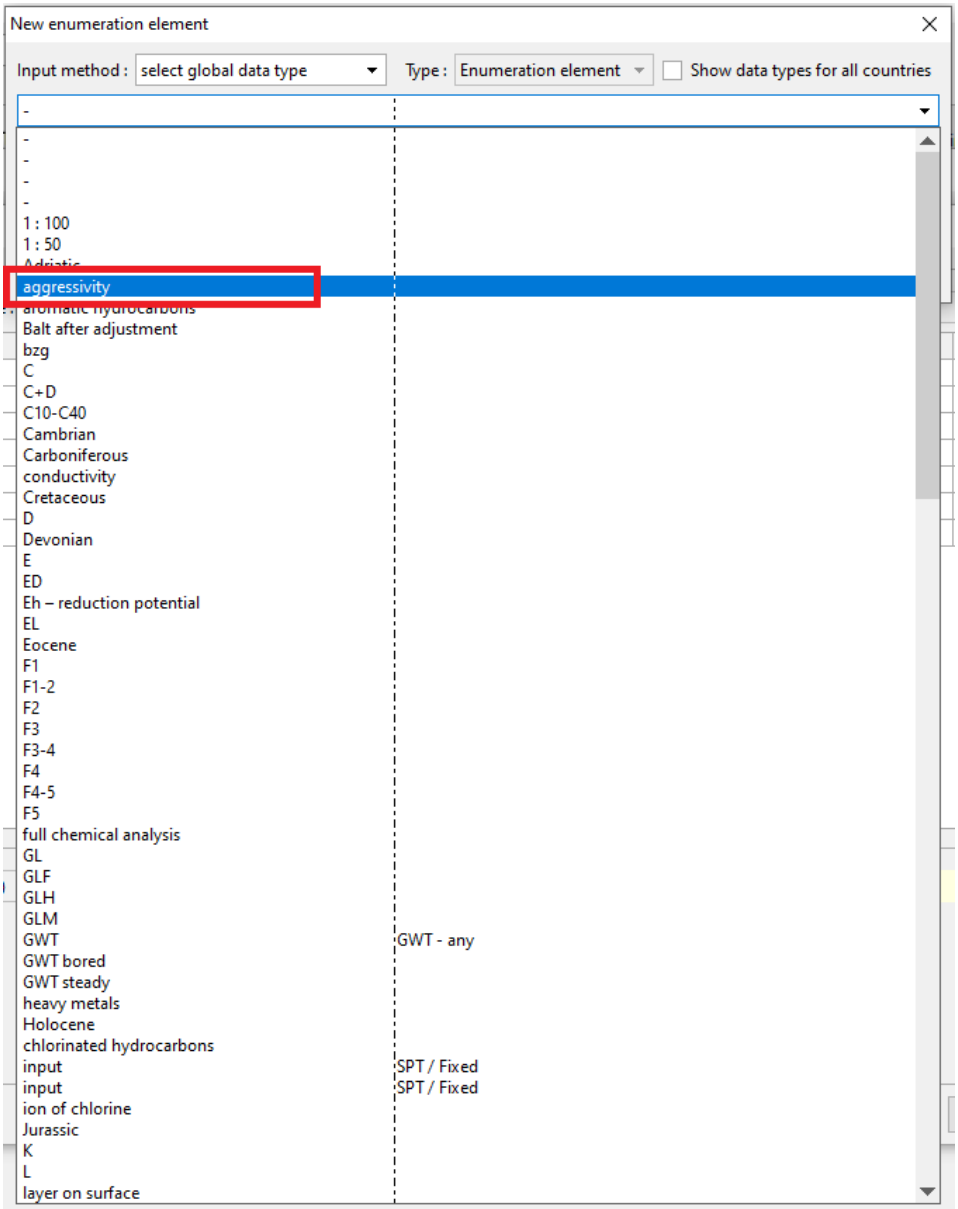
- Uređivanje uzoraka
- Uređivanje vrsta uzorka

U gornjem desnom uglu prozora, pokraj stavke “Parameters”, kliknite na tipku izbornika i omogućite uređivanje odabranih parametara – promijenite vrstu na “fixed changed”. Pojavit će se tipka “Add” s kojom možete unositi nove uzorke

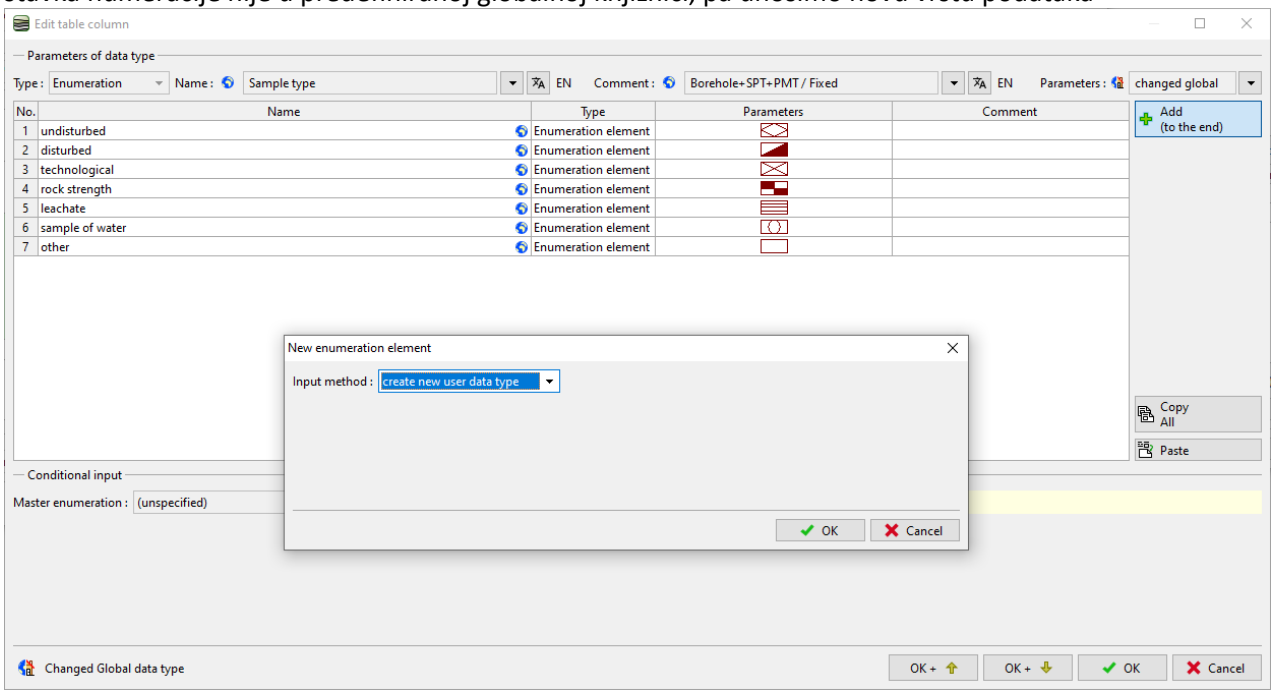


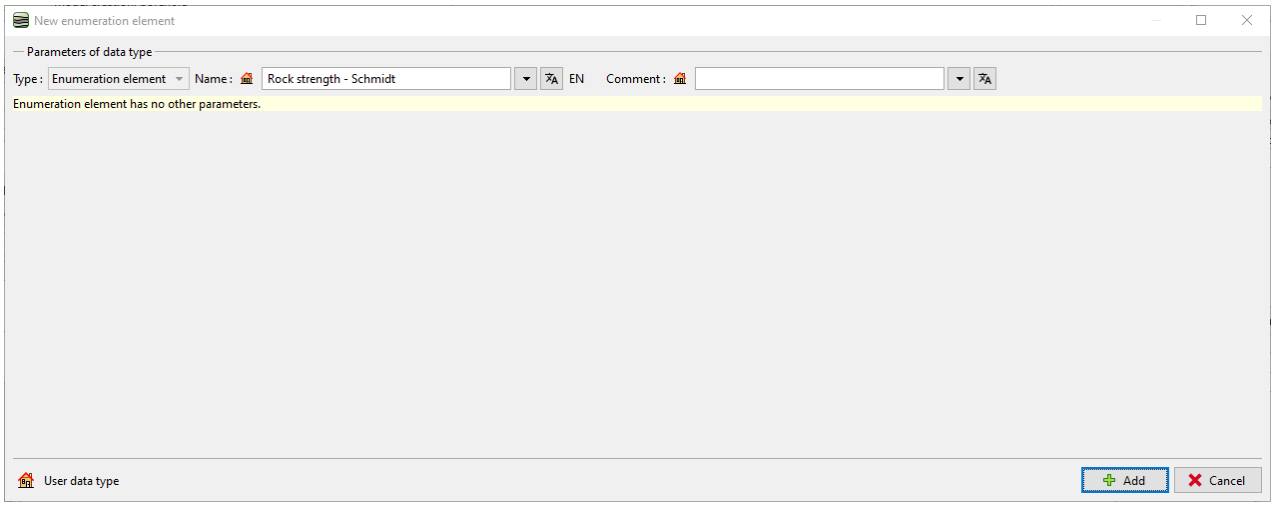
Najprije dodajemo uzorak “Aggressivity”. Ova vrsta podataka postoji u globalnoj knjižnici podataka - “Global data library”. Odaberite opciju “Select global data type” i pronađite stavku aggressivity u izborniku.



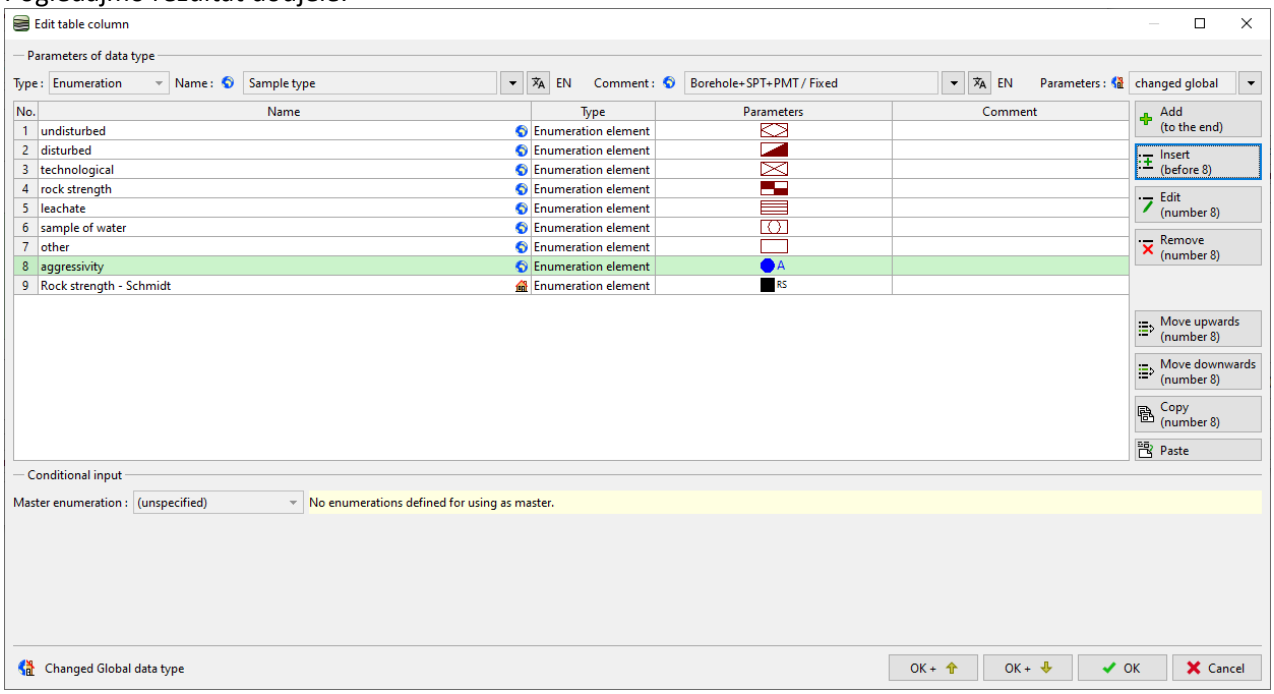


Nakon pritiska tipke “Add”, vidimo da je nova vrsta uzorka “Aggressivity” dodijeljena popisu. Sljedeća stavka numeracije nije u predefiniranoj globalnoj knjižnici, pa unosimo novu vrstu podataka

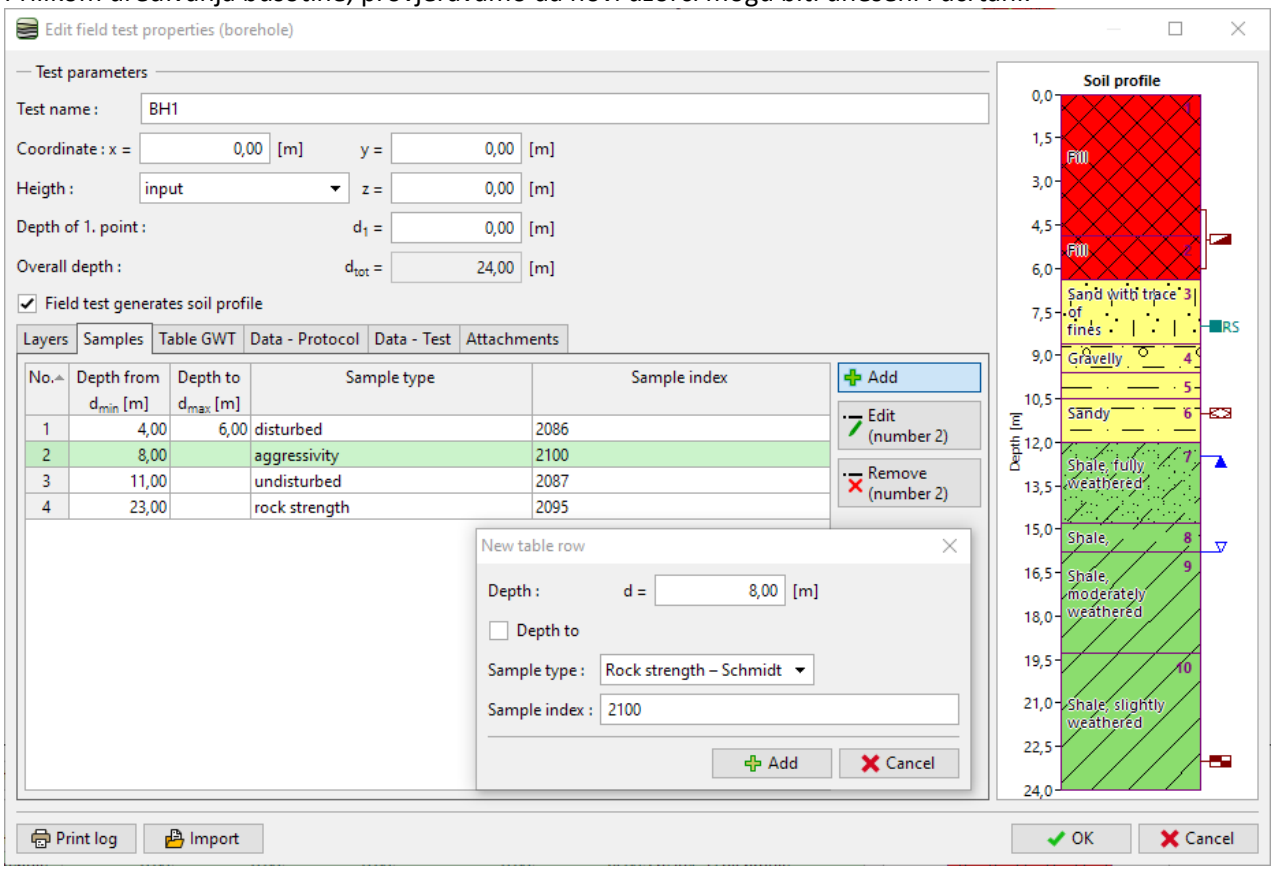




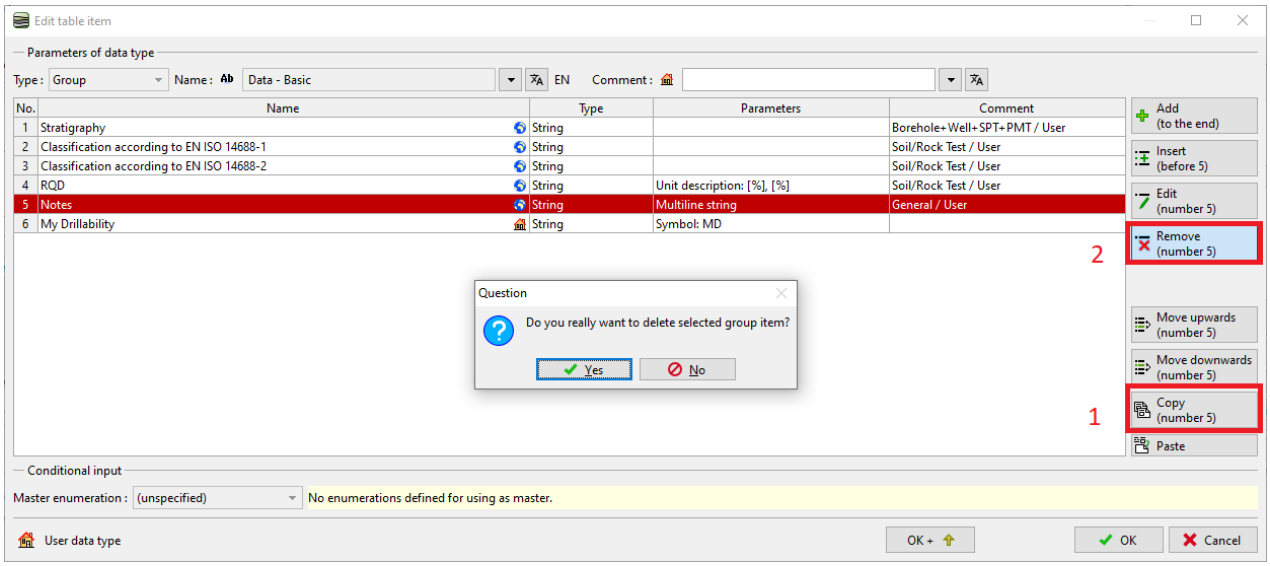
Pogledajmo rezultat dodjele.



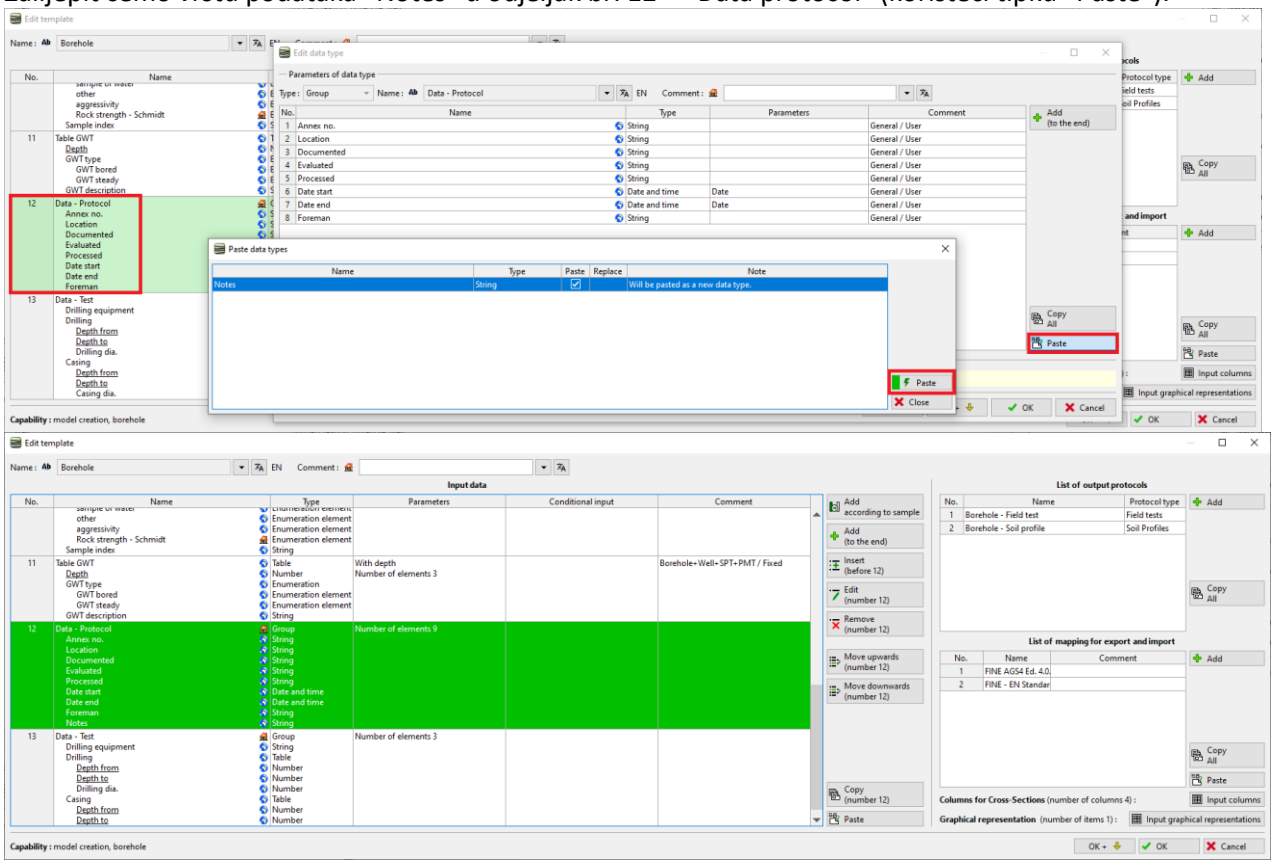
Prilikom uređivanja bušotine, provjeravamo da novi uzorci mogu biti uneseni i ucrtani.



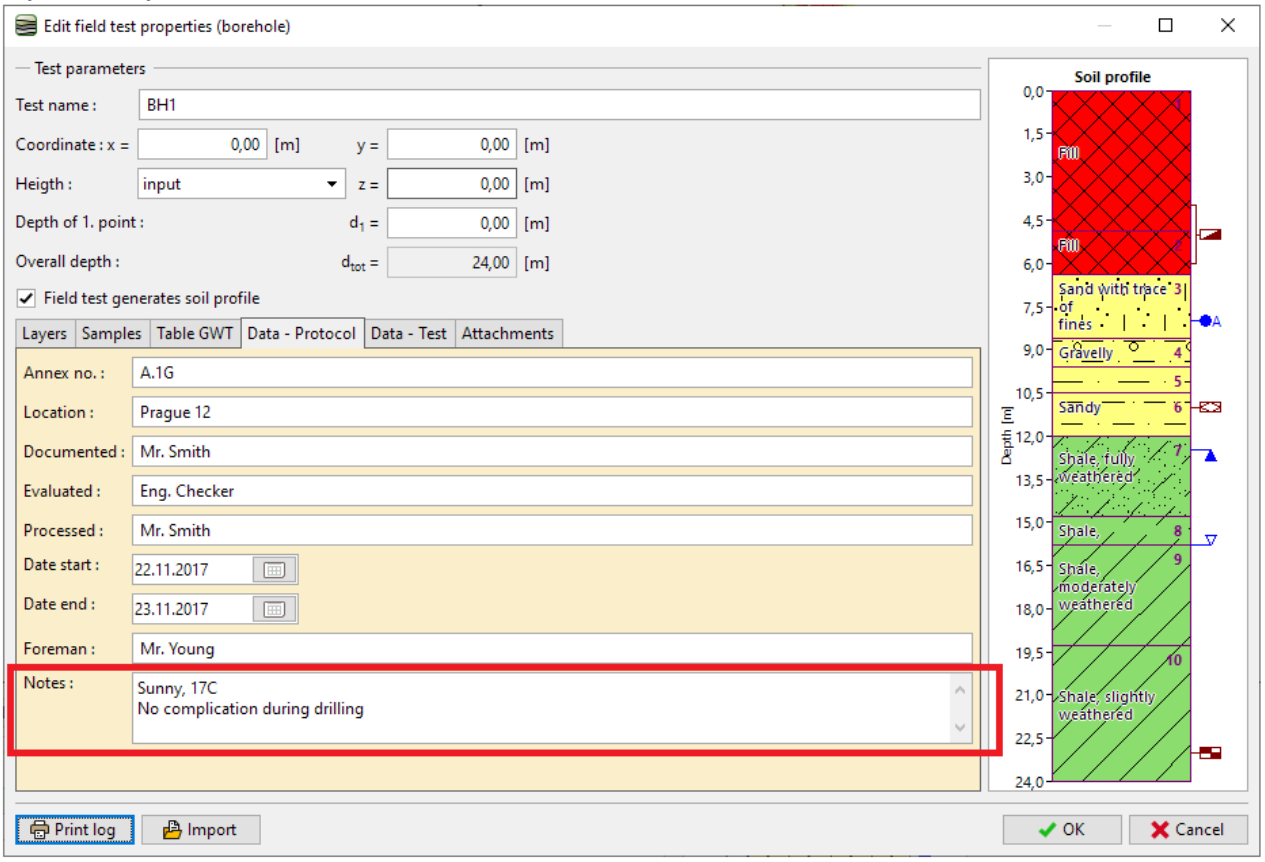
Zadnja potrebna promjena je **premještanje bilješki iz podataka "Layers" u podatke "Borehole"**.
Ova modifikacija je jednostavna – iz odjeljka br. 9 "Layers", "Basic data" **kopiramo** i uklanjamo vrstu podataka "Notes".



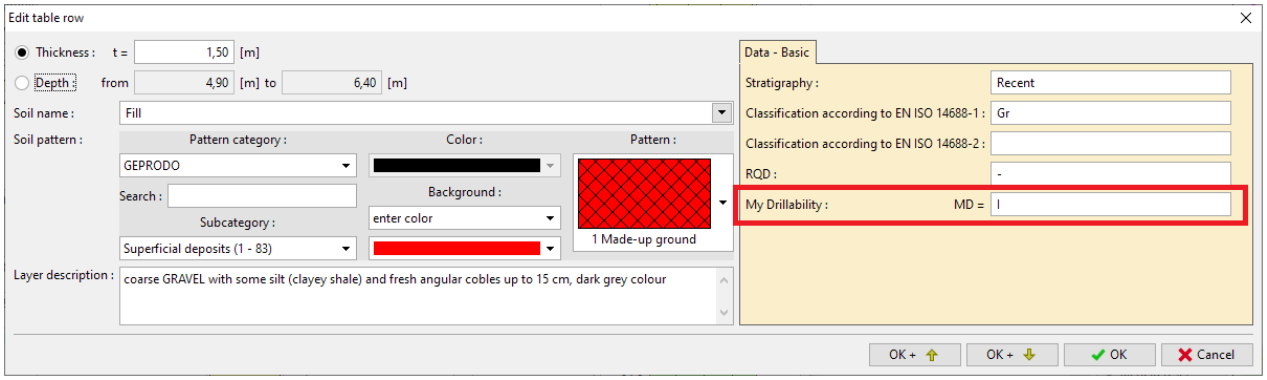
Zalijepit ćemo vrstu podataka “Notes” u odjeljak br. 12 – “Data protocol” (koristeći tipku “Paste”).



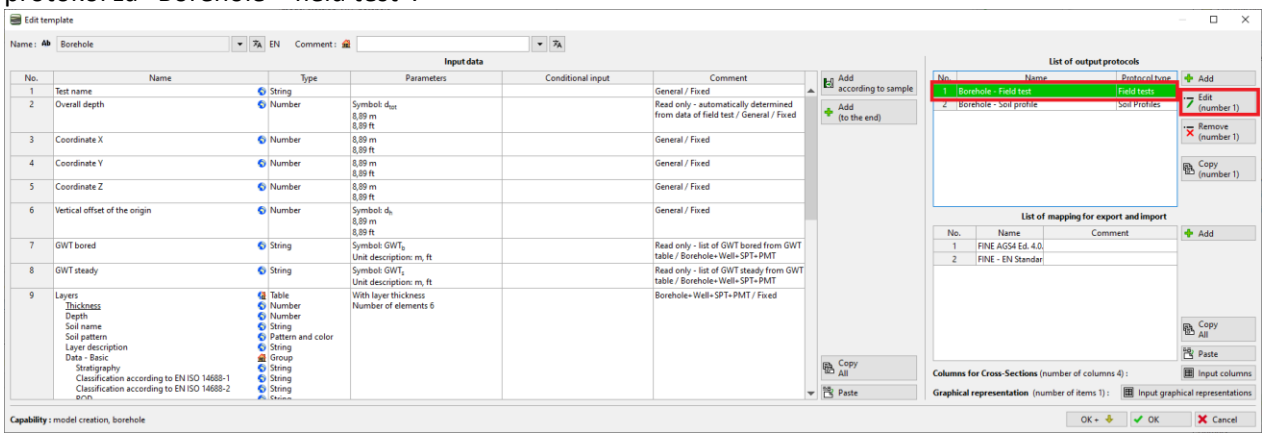
Bilješka za cijelu bušotinu će zatim biti dodana u karticu “Data – Protocol”.



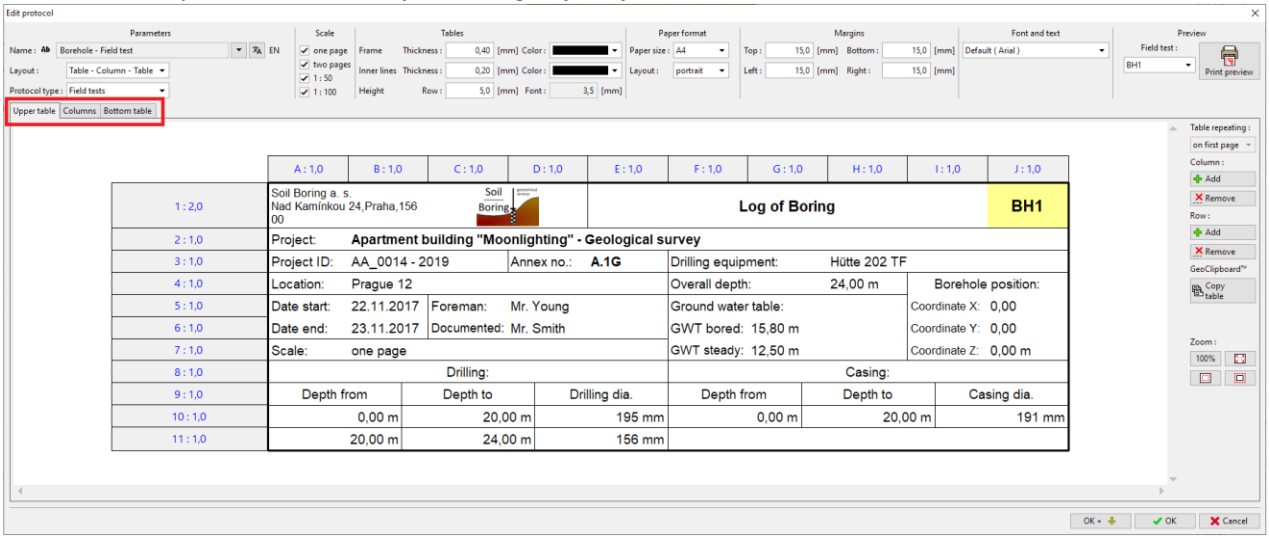
Unosimo podatke “My Drillability” za individualne slojeve. Najbrži način za ispunjavanje podataka je najprije ih otvoriti u bušotini, unijeti vrijednost bušenja, te koristiti tipku OK sa strelicom za prelazak na sljedeći sloj.



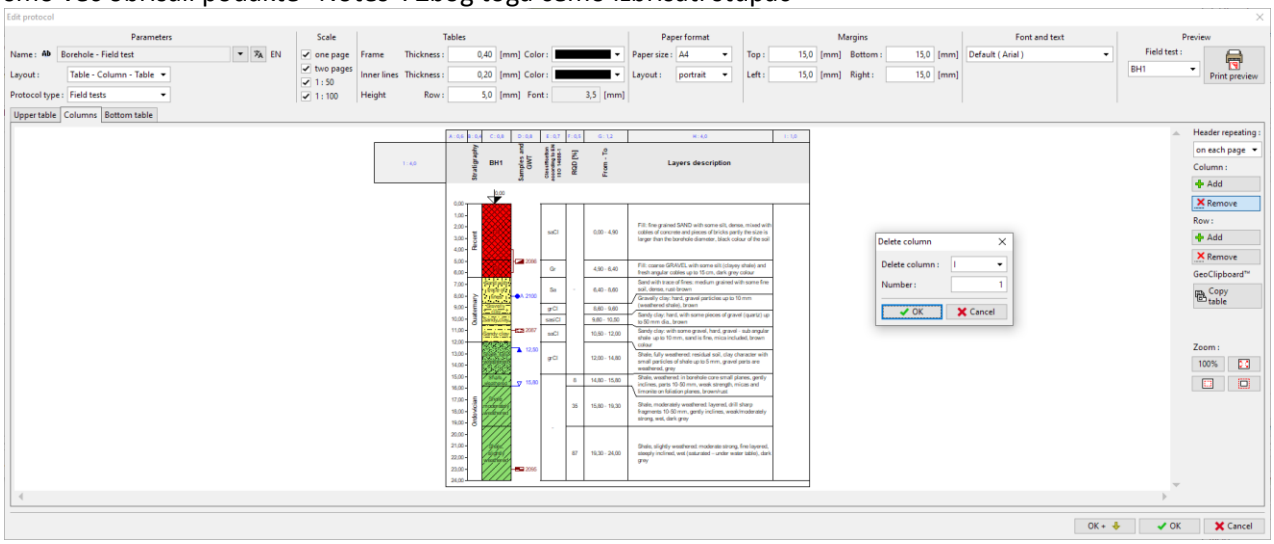
Na taj način imamo podatke predloška i podatke za unesenu bušotinu. Sad moramo prilagoditi izlazne protokole i uskladiti novo definirane podatke. Idemo u odjeljak za izlazne protokole i uređujemo izlazni protokol za “Borehole – field test”.



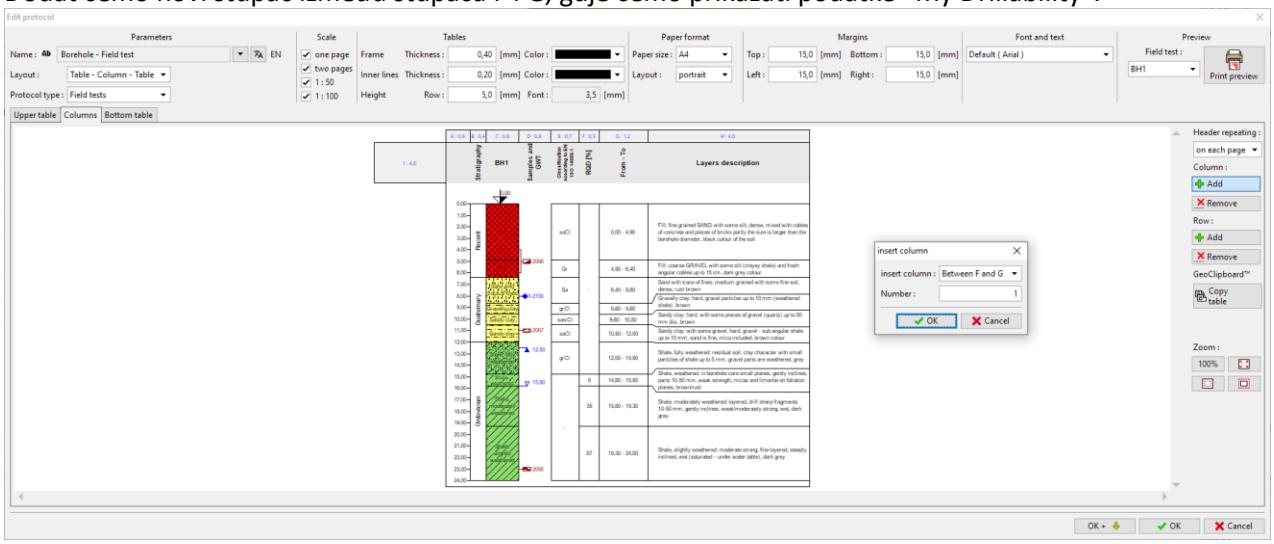
Otvara se novi prozor za uređivanje izlaznog izvještaja. Prozor sadrži tri kartice.



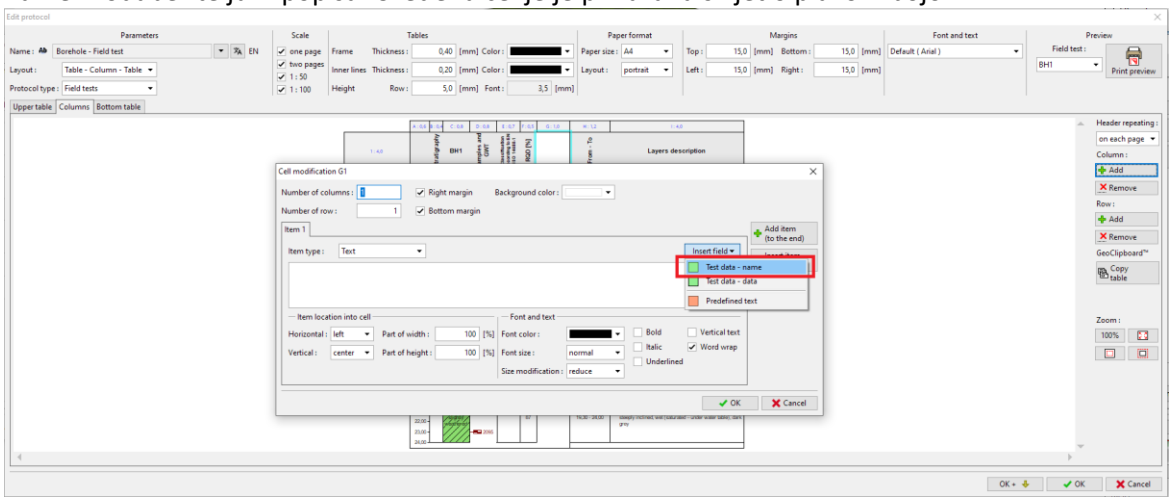
Prelazimo na karticu Columns. Na zaslonu vidimo izgled originalnog protokola. Stupac “I” je prazan, jer smo već obrisali podakte “Notes”. Zbog toga ćemo izbrisati stupac



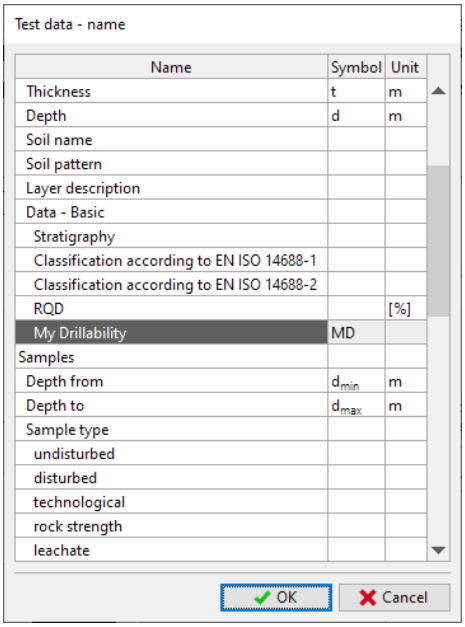
Dodat ćemo novi stupac između stupaca F i G, gdje ćemo prikazati podatke “My Drillability”.

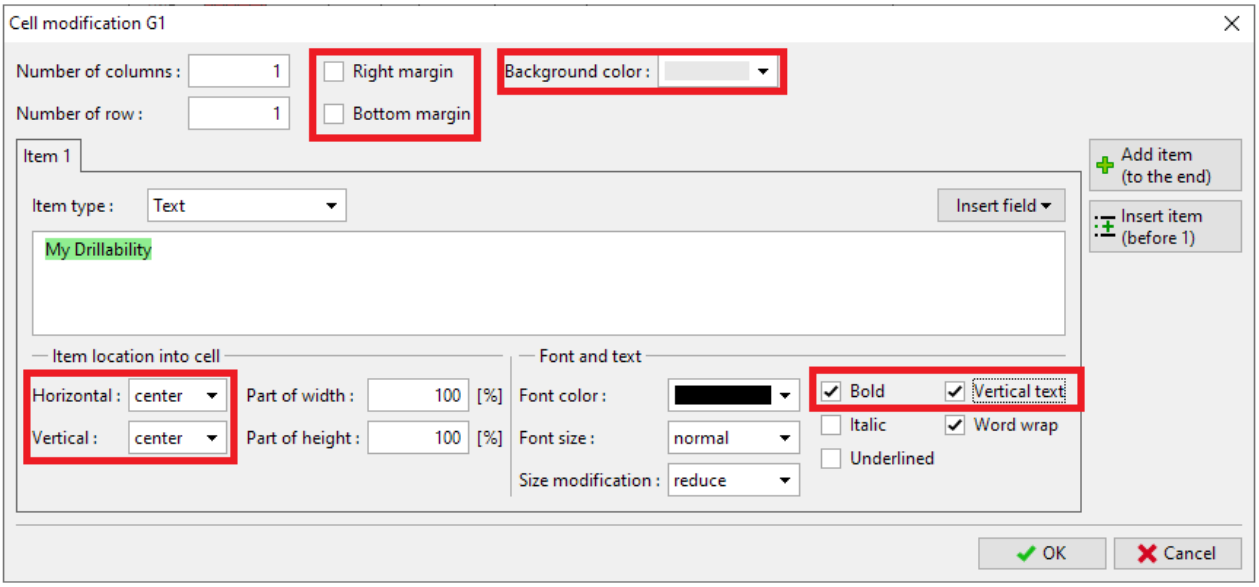


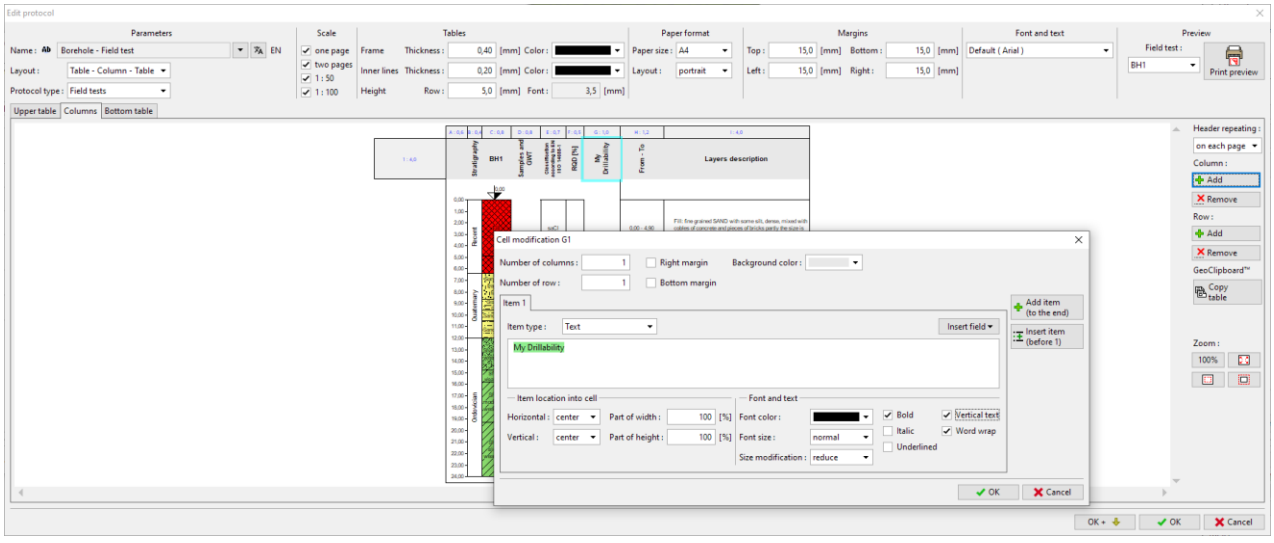
Nakon izrade stupca, kliknite na njega i odaberite što želite prikazati u ćeliji. Odaberite opciju “Test data-name” i odaberite ju iz popisa. Uređena ćelije je prikazana svijetlo plavom bojom.



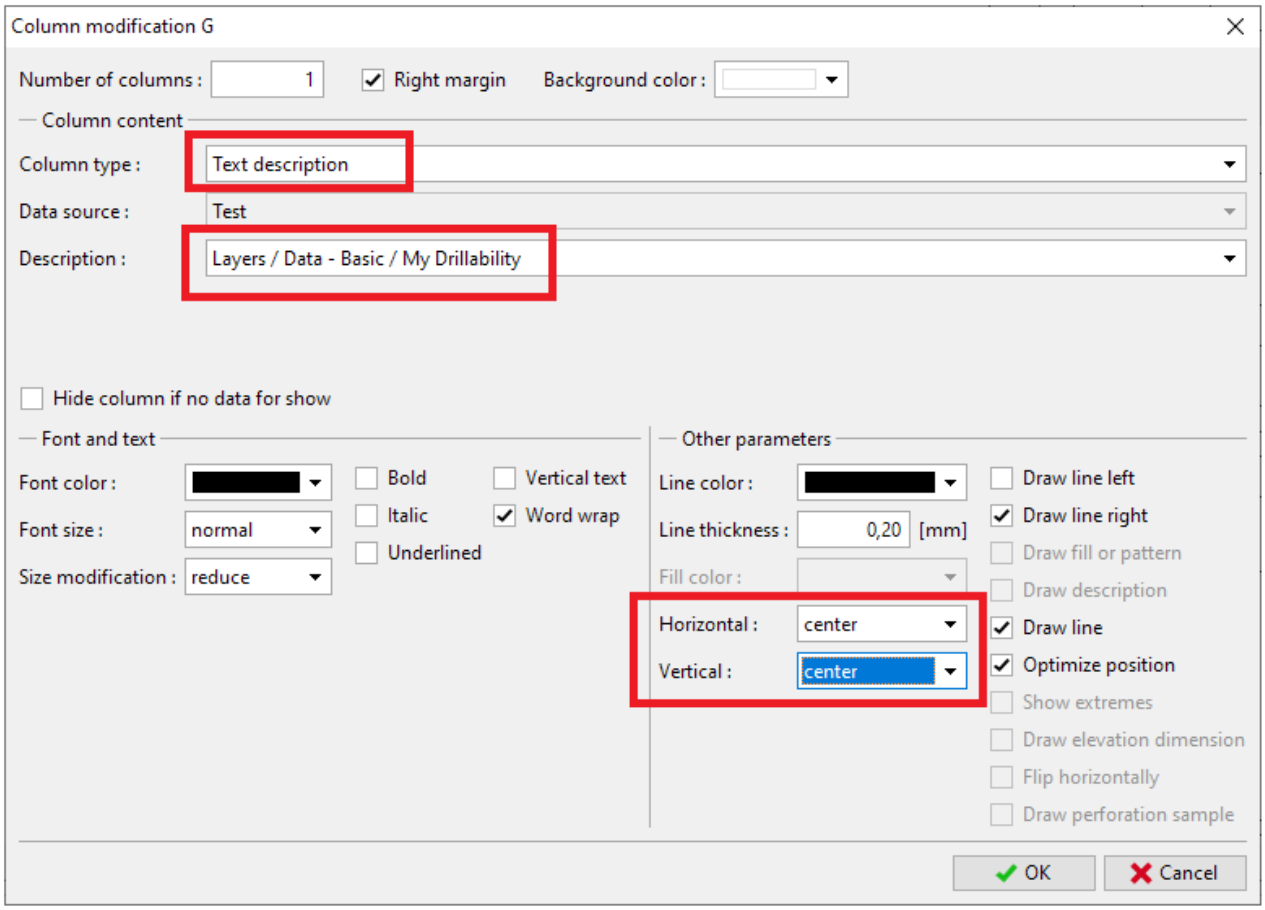
Odaberite “My Drillability”, a zatim u prozoru uredite način prikaza ćelije. Prilikom uređivanja, crtež bušotine se odmah ponovno iscrtava.

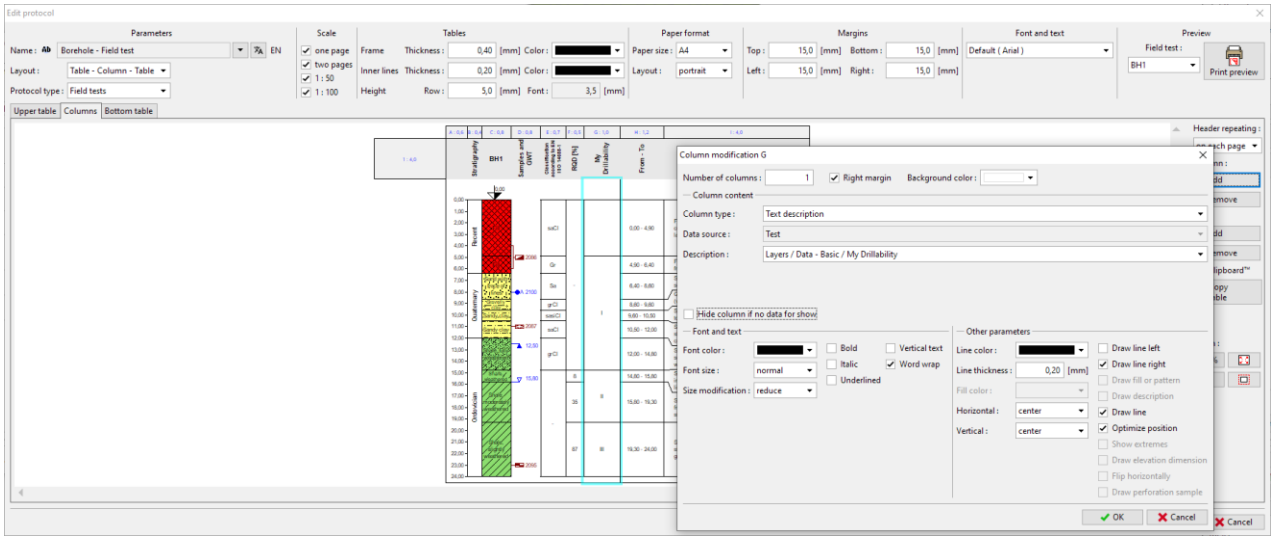




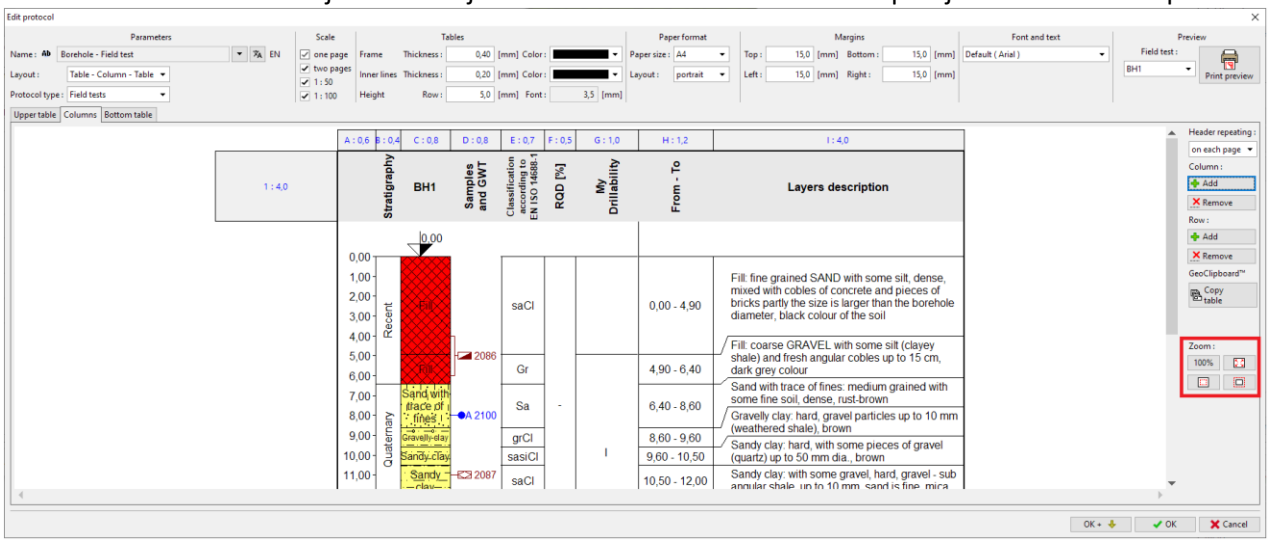


Nakon unosa glavne ćelije stupca, unosimo sljedeću ćeliju – sadržaj stupca. Vrsta stupca je “Text description”, a “My Drillability” unosimo kao izvor podataka. Uređena ćelija je ponovno prikazana svijetlo plavom bojom.

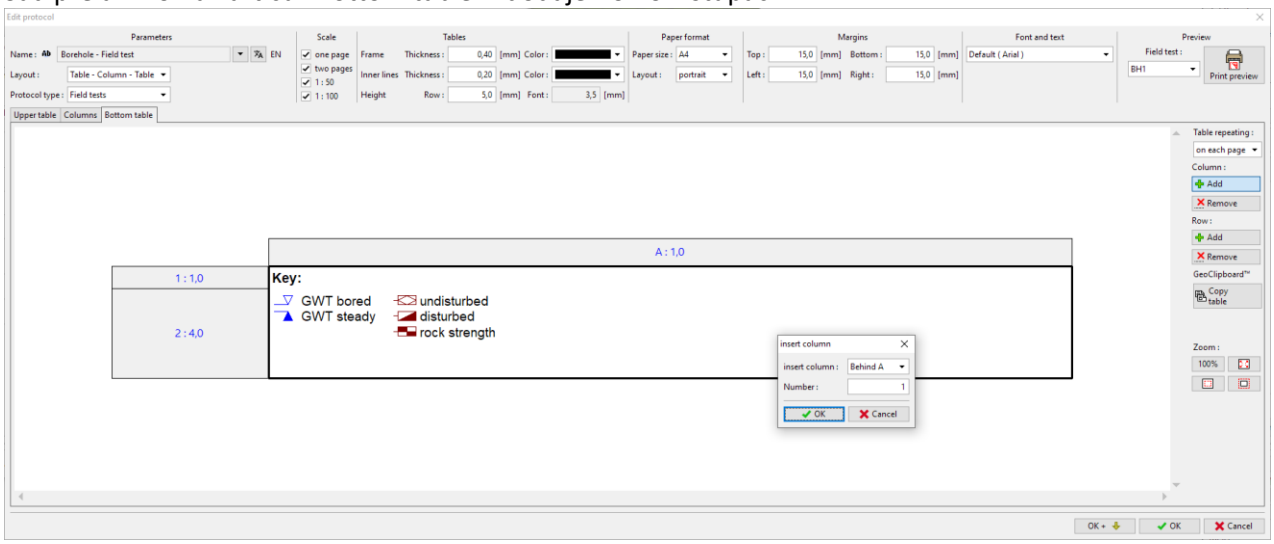




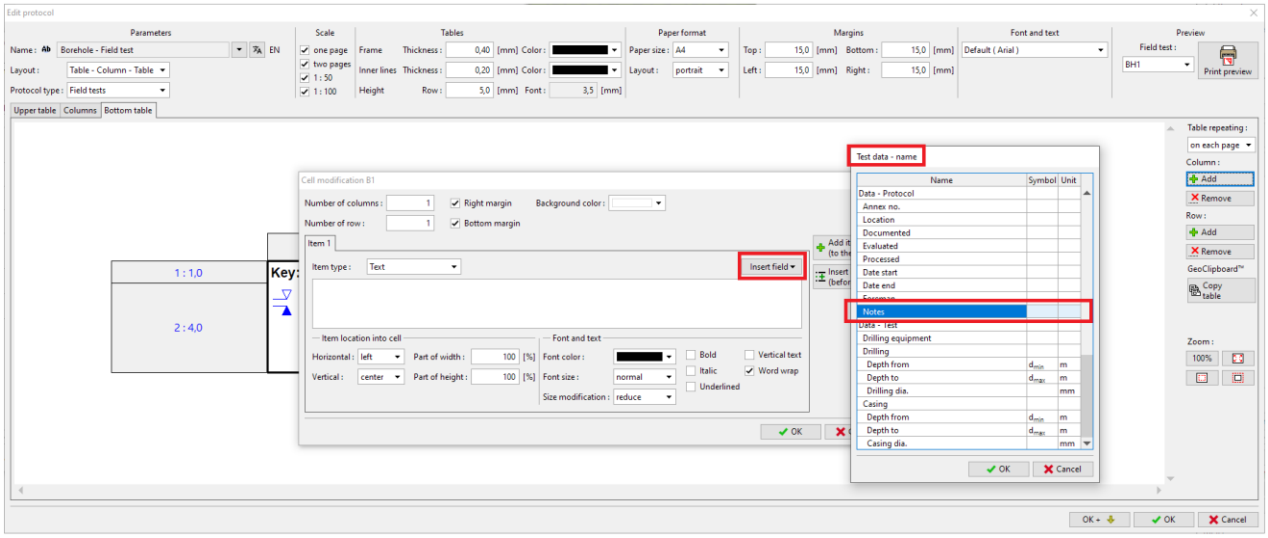
Slika s crtežom se može vidjeti korištenjem kotačića miša. Možete ubližiti i provjeriti da su unosi ispravni.



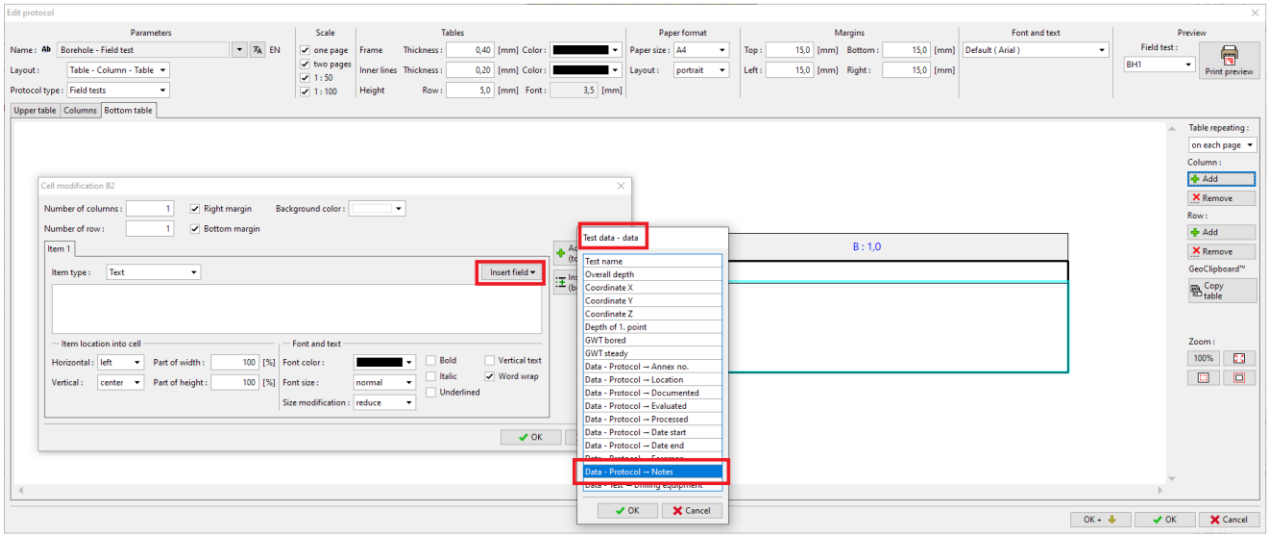
Sad prelazimo na karticu “Bottom table” i dodajemo novi stupac



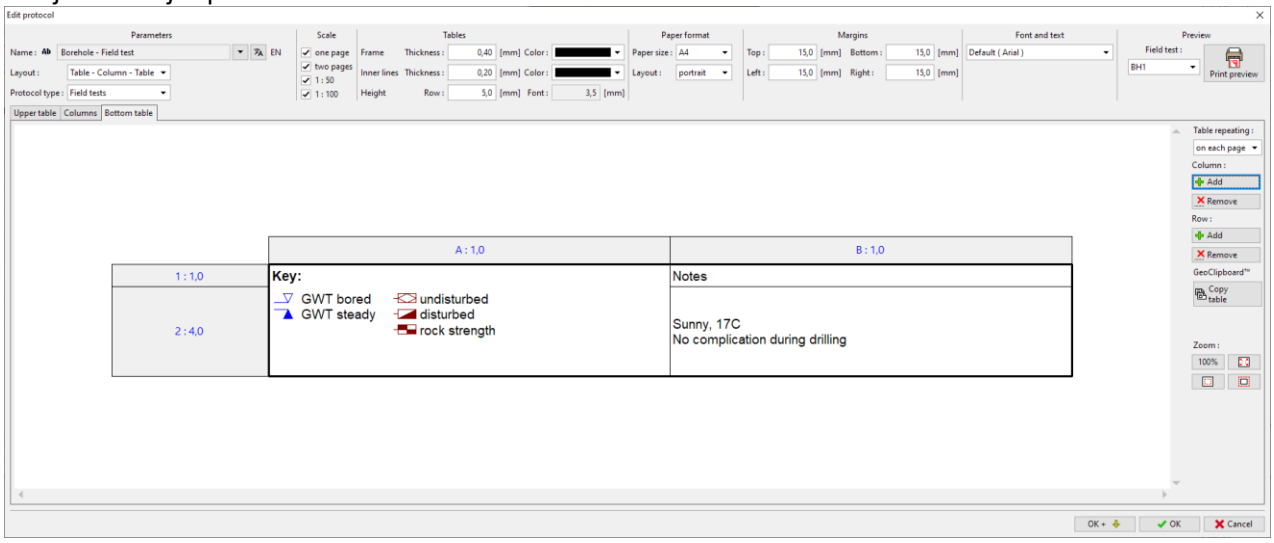
Gornja ćelija stupca sadrži “Test data - name” i stavku "Notes”



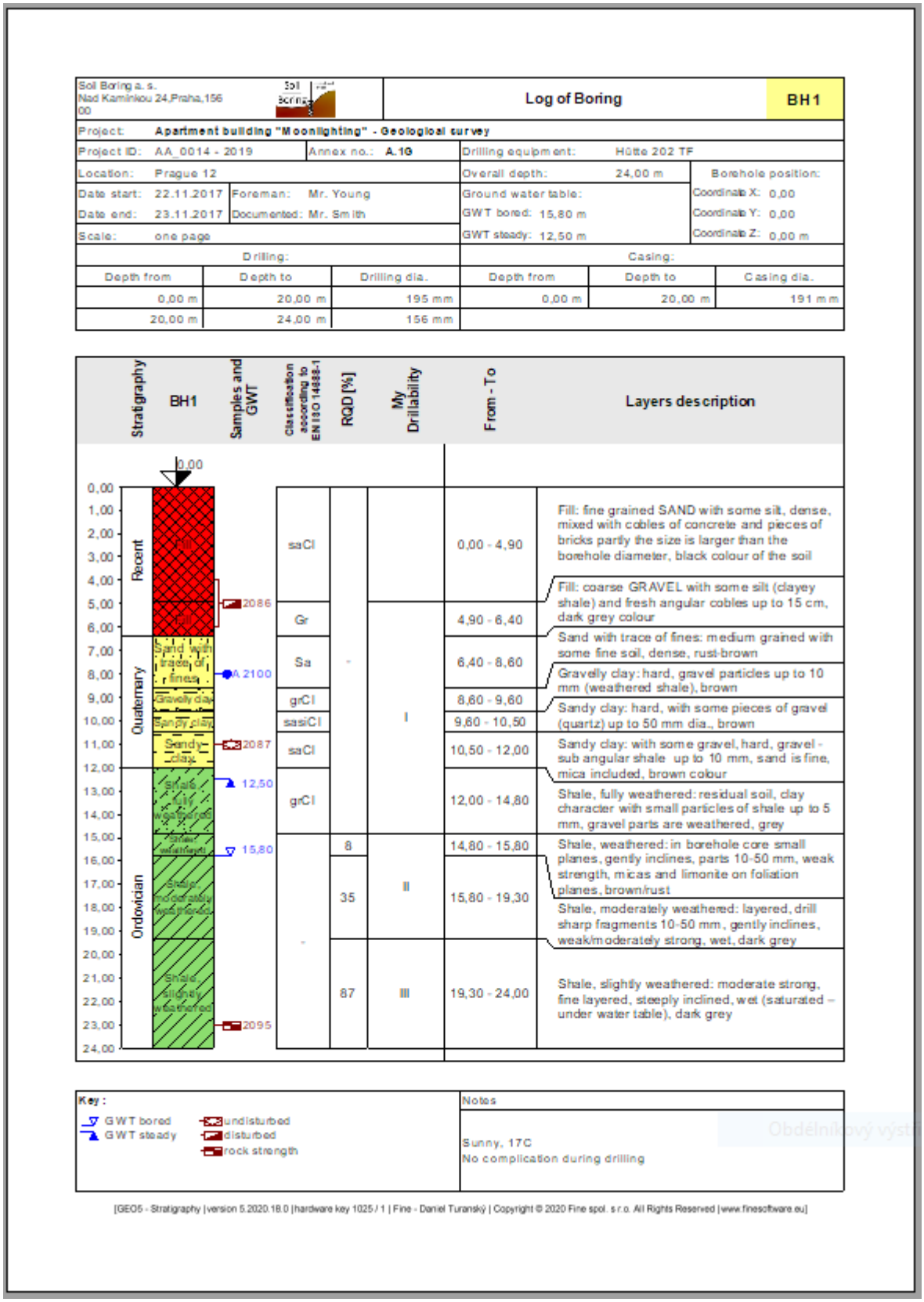
Donja ćelija stupca sadrži “Test data – content” i istu stavku “Notes”



Donja tablica je spremna.



Novi predložak je gotov – možemo ispisati rezultat za provjeru.



Soil Boring a. s.
Nad Kamínkou 24,Praha,156 00

Log of Boring — **BH1**

Project:	Apartment building "Moonlighting" - Geological survey				
Project ID:	AA_0014 - 2019	Annex no.:	A.1G	Drilling equipment:	Hütte 202 TF
Location:	Prague 12			Overall depth:	24,00 m
Date start:	22.11.2017	Foreman:	Mr. Young	Ground water table:	
Date end:	23.11.2017	Documented:	Mr. Smith	GWT bored:	15,80 m
Scale:	one page			GWT steady:	12,50 m

Borehole position: Coordinate X: 0,00; Coordinate Y: 0,00; Coordinate Z: 0,00 m

Drilling:

Depth from	Depth to	Drilling dia.
0,00 m	20,00 m	195 mm
20,00 m	24,00 m	156 mm

Casing:

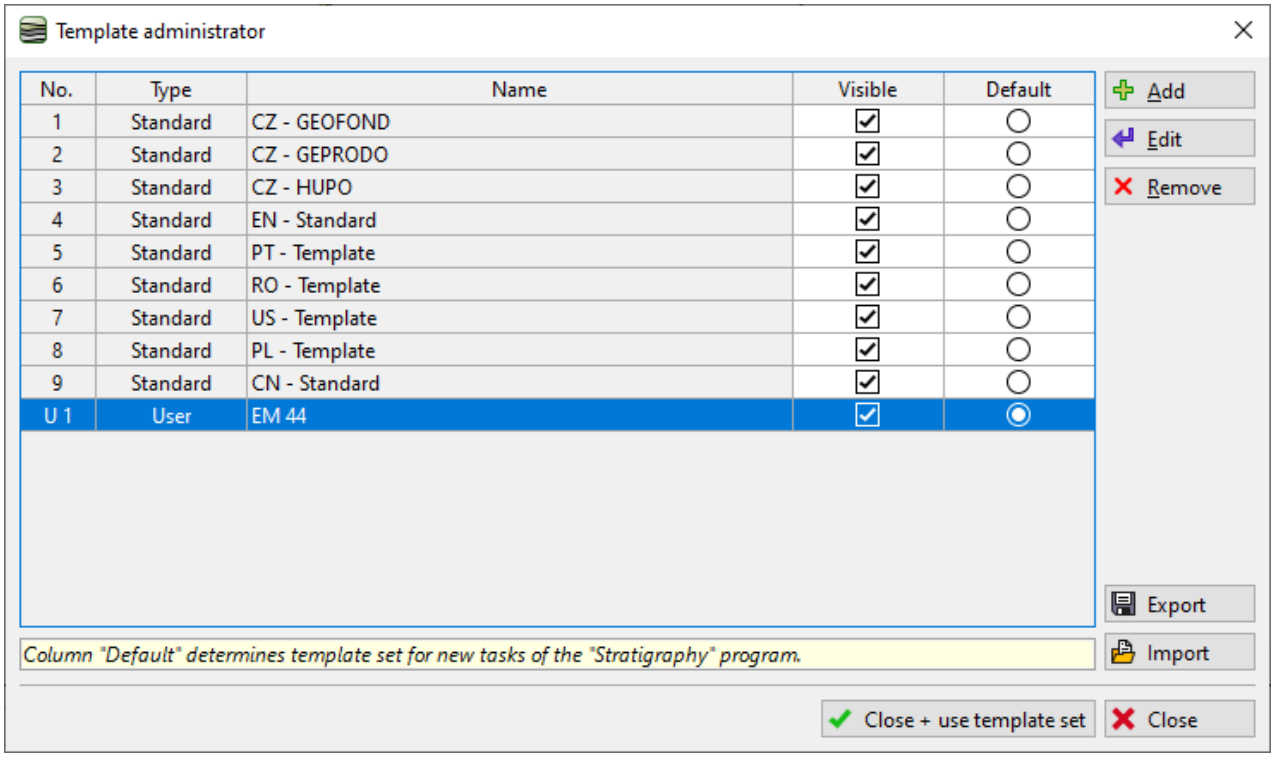
Depth from	Depth to	Casing dia.
0,00 m	20,00 m	191 mm

Stratigraphy	BH1	Samples and GWT	Classification according to EN ISO 14688-1	RQD [%]	My Drillability	From - To	Layers description
Recent	Fill	2086	saCl			0,00 - 4,90	Fill: fine grained SAND with some silt, dense, mixed with cobles of concrete and pieces of bricks partly the size is larger than the borehole diameter, black colour of the soil
	Fill		Gr		I	4,90 - 6,40	Fill: coarse GRAVEL with some silt (clayey shale) and fresh angular cobles up to 15 cm, dark grey colour
Quaternary	Sand with trace of fines	A 2100	Sa	-		6,40 - 8,60	Sand with trace of fines: medium grained with some fine soil, dense, rust-brown
	Gravelly clay		grCl			8,60 - 9,60	Gravelly clay: hard, gravel particles up to 10 mm (weathered shale), brown
	Sandy clay		sasiCl			9,60 - 10,50	Sandy clay: hard, with some pieces of gravel (quartz) up to 50 mm dia., brown
	Sandy clay	2087	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
Ordovician	Shale, fully weathered	12,50	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
	Shale, weathered	15,80	-	8	II	14,80 - 15,80	Shale, weathered: in borehole core small planes, gently inclines, parts 10-50 mm, weak strength, micas and limonite on foliation planes, brown/rust
	Shale, moderately weathered			35		15,80 - 19,30	Shale, moderately weathered: layered, drill sharp fragments 10-50 mm, gently inclines, weak/moderately strong, wet, dark grey
	Shale, slightly weathered	2095		87	III	19,30 - 24,00	Shale, slightly weathered: moderate strong, fine layered, steeply inclined, wet (saturated – under water table), dark grey

Key:
- GWT bored
- GWT steady
- undisturbed
- disturbed
- rock strength

Notes

Sunny, 17C
No complication during drilling

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

Set predložaka je sad kreiran. U administratoru predložaka možemo postaviti set predložaka kao početno zadan. Bit će zadan u sljedećem novom zadatku.