

Updated: 05/2021

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:

| Project | | Apartmen | t building | "Moonila | htino' | · - Geological s | urvey | | | | |
|----------------------------------|---------------------------------|--|---------------------------------------|---|----------|------------------|---|--|-----------------------------------|------------------|--|
| Project | ID: | AA_0014 | - 2019 | Ann | ex no | .: A.10 | Drilling equipment: | Hütte 202 TI | F | | |
| Locatio | n: | Prague 12 | 2 | | | | Overall depth: | 24,00 m | Borehole | position: | |
| Date st | art: | 22.11.201 | 7 Forema | an: Mr. | Youn | 9 | Ground water table: | | Coordinate X: | 0,00 | |
| Date ei | nd: | 23.11.201 | 7 Docume | nted: Mr. | Sm ith | | GWT bored: 15,80 m | | Coordinate Y: | 0,00 | |
| Scale: | | one page | | | | | GWT steady: 12,50 m | | Coordinate Z: | 0,00 m | |
| | | | Drillin | ig: | | | | Casing: | | | |
| De | pth f | rom | Depth | to | | Drilling dia. | Depth from | Depth to | Ca | sing dia. | |
| | | 0,00 m | | 20,00 m | | 195 mm | 0,00 m | 20,0 | 0 m | 191 m m | |
| | | 20,00 m | | 24,00 m | | 156 mm | | | | | |
| | | | | | | | | | | | |
| | Stratigraphy | BH1 | Samples and GWT | Clareffeation according to EN 130 14888-1 | RQD [%] | From - To | Layer | s description | | Notes | |
| 0,00 1,00 | _ | | | | | | Fill: fine grained S | AND with some | sit, dense, | _ | |
| 2,00 3,00 4,00 | Recent | | 20.86 | saCl | | 0,00 - 4,90 | bricks partly the s borehole diameter Fill: coarse GRAV | ize is larger than , black colour of EL with some sil | the the soil t (clayey | | |
| 0,00 | Gr 4.90 - 6.40 dark grey colour | | | | | | | | | | |
| 6,00 | | | Ē | | 1 | | Sand with trace of | fines: medium g | grained with | | |
| 7,00 | | trace of | | Sa | - | 6,40 - 8,60 | some fine soil, de | nse, rust-brown | | Easy drilling | |
| 8,00 | E | fines | | | | | Gravely clay: han mm (weathered st | d, gravel particle: hale), brown | s up to 10 | | |
| 9,00 | fier | Gravely day | | grCl | | 8,60 - 9,60 | Sandy clay: hard, | with some piece | s of gravel | | |
| 10,00 - | Ous | Sandy clay | | sasiCI | | 9,60 - 10,50 | (quartz) up to 50 r | nm dia., brown | | | |
| 11,00 - | | Sendy_ day | 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 | | | | |
| 13,00 - 14,00 - | | Shale Kily wqatgardd | 12,50 | grCl | | 12,00 - 14,80 | Shale, fully weath character with sm mm, gravel parts a | ered: residual so all particles of sh are weathered, g | iil, clay vale up to 5 prey | | |
| 16.00 | | unfaitheasts | y 15,80 | | 8 | 14,80 - 15,80 | Shale, weathered | in barehole care ines, parts 10-50 | e small 0 mm, week | | |
| 17,00 | lovician | landara met ente antere sugta glassias | | | 35 | 15,80 - 19,30 | strength, micas ar planes, brown/rus Shale, moderately | t weathered: laye | liation ared, drill | | |
| 19,00 | ð | 44 | | | | | sharp fragments 1 weak/moderately | u-o0 mm, gently strong, wet, dark | arey | Loosing of | |
| 20,00 21,00 22,00 23,00 | | Shaid Sildh By waatharaa | 2095 | | 87 | 19,30 - 24,00 | Shale, slightly wes fine layered, steep under water table | athered: moderal sly inclined, wet (), dark grey | te strong, (saturated – | drilling fluid | |
| 24,00 Key: | VTb | ored -K | Jundisturb disturbed prock stre | ngth | <u> </u> | | 1 | | | | |



Zahtijevani izgled protokola:





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".

| Add copy of standard template set into the administrator | | | | | | | | | | | |
|--|---------------------|--|--|--|--|--|--|--|--|--|--|
| Nam | e: 🏦 EM 44 🔍 🔻 🕱 EN | | | | | | | | | | |
| No. | Name | | | | | | | | | | |
| 1 | Borehole | | | | | | | | | | |
| 2 | Well | | | | | | | | | | |
| 3 | CPT | | | | | | | | | | |
| 4 | DDT | | | | | | | | | | |

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 – <u>Izvoz i uvoz terenskih ispitivanja u Stratigrafiju</u>).

| | dit template – D X | | | | | | | | | | | | |
|---------------|---|--|---|-------------------|---|---|--|--|--|--|--|--|--|
| Name : | No Borehole 👻 : | A EN Comment: | a | • 🛪 İn | out data for field test | | Output protocols for field te | sts | | | | | |
| | | | Input data | | | | List of output protocols | | | | | | |
| No. 1 2 | Name Test name Overall depth | Type String Number | Parameters Symbol: d _{iot} 8,89 m 8,89 ft | Conditional input | Comment General / Fixed Read only - automatically determined from data of field test / General / Fixed | Add according to sample Add (to the end) | No. Name Protocol type 1 Borehole - Field test Field tests 2 Borehole - Soil profile Soil Profiles | + Add | | | | | |
| 3 4 5 | Coordinate X Coordinate Y Coordinate Z | Number Number Number Number | 8,89 m 8,89 m 8,89 m 8,89 m 8,89 m 8,89 m | | General / Fixed General / Fixed General / Fixed | | | Copy All | | | | | |
| 6 | Vertical offset of the origin | Number | Symbol: d _h 8,89 m 8,89 ft | | General / Fixed | | List of mapping for export and import No. Name Comment | 🕈 Add | | | | | |
| 7 | GWT bored | String | Symbol: GWT _b Unit description: m, ft | | Read only - list of GWT bored from GWT table / Borehole+Well+SPT+PMT | | 1 FINE AGS4 Ed. 4.0. 2 FINE - EN Standar | | | | | | |
| 8 | GWT steady Layers | String | Symbol: GWTs Unit description: m, ft With layer thickness | | Read only - list of GWT steady from GWT table / Borehole+Well+SPT+PMT Borehole+Well+SPT+PMT / Fixed | | Mapping for import /export | | | | | | |
| | Thickness Depth Soil name Soil pattern Layer description Data - Basic | Number Number String Pattern and color String Group | Number of elements 6 | | | - Conv | of field tests | 은 Copy All 한 Paste | | | | | |
| | Stratigraphy Classification according to EN ISO 14688-1 Classification according to EN ISO 14688-2 POD | String String String String | | | | ▼ Paste | Columns for Cross-Sections (number of columns 4) : Graphical representation (number of items 1) : I Input grap | Input columns hical representations | | | | | |



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.

| me: Al | Borehole | 🐴 EN Comment: 😭 | L | ▼ 7 _A | | _ | | | | |
|--------|--|--|---|-------------------|---|---|-------|--|---------------------------------|----------------------|
| | | | Input data | | | | | List of ou | tput protocols | |
| No. | Name | Туре | Parameters | Conditional input | Comment | Add | No. | Name | Protocol type | 💠 Add |
| 1 | Test name | S String | | | General / Fixed | according to sample | 1 | Borehole - Field test | Field tests | |
| 2 | Overall depth | S Number | Symbol: d _{tot} 8,89 m 8,89 ft | | Read only - automatically determined from data of field test / General / Fixed | + Add (to the end) | 2 | Borehole - Soil profile | Soil Profiles | |
| 3 | Coordinate X | S Number | 8,89 m 8,89 ft | | General / Fixed | | | | | |
| 4 | Coordinate Y | S Number | 8,89 m 8,89 ft | | General / Fixed | | | | | |
| 5 | Coordinate Z | S Number | 8,89 m 8,89 ft | | General / Fixed | | | | | |
| 6 | Vertical offset of the origin | S Number | Symbol: d _n 8,89 m 8,89 ft | | General / Fixed | | | | | |
| 7 | GWT bored | S ötring | Symbol: GWT _b Unit description: m, ft | | Read only - list of GWT bored from GWT table / Borehole+Well+SPT+PMT | | | | | |
| 8 | GWT steady | S ötring | Symbol: GWT, Unit description: m. ft | | Read only - list of GWT steady from GWT table / Borehole+Well+SPT+PMT | | | | | |
| 9 | Layers Thickness Depth Solipaten Solipaten Layer description Data - Bais: Stratignaphy Classification according to EN ISO 1468-1 Coldon according to EN ISO 1468-2 RO Motes Notes | Q Table Q Winber Number String Pattern and color B String | With layer thickness Number of elements 6 | | Borehole+Well+SPT+PMT / Fixed | | | | | Copy All |
| 10 | Samplets Death from Death from Death to Sample type undisturbed disturbed technological rock strength leachute sample of water | fable Number Number Number Inumeration inumeration element inumeration element inumeration element inumeration element inumeration element inumeration element inumeration element | With depth "from" and optional "to" Number of elements 4 | | Borehole-SPT-PMT / Fixed | | N | List of mapping f o. Name 1 FINE AG54 Ed. 4.0 2 FINE - EN Standar | or export and import Comment | 🕈 Add |
| 11 | other Sample index Table GWT Death GWT type GWT bored GWT steady GWT deceinten | Enumeration element String Table Number Enumeration Enumeration element Enumeration element Enumeration element | With depth Number of elements 3 | | Borehole+Well+SPT+PMT / Fixed | ад Сору | | | | Copy All Paste |
| 12 | Data - Protocol Annex no. | Group | Number of elements 8 | | | 120 All | Colur | nns for Cross-Sections (number of o | columns 4) : | Input column |
| | Location | trian | I | | 1 | Paste | Grap | ncar representation (number of ite | ms I): I Input grap | inical representatio |

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 (S) 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 (a) 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)

| 📰 Edit 1 | emplate | | | | | | | | | | | |
|-----------|---|------------------------------------|---|-------------------|--|---|----------------------------|----------|------------------------|---------------------|---------------|-----------------------|
| Name : | Ab Borehole - | 🛪 EN Comment : 🖌 | 1 | - XA | | | | | | | | |
| | | | Input data | | | | | | | List of output prot | ocols | |
| No. | Name | Type | Parameters | Conditional input | Comment | | • o Add | No. | Name | | Protocol type | 🕂 Add |
| - | Coordinate 1 | V Nomber VI- | 8.89.6 | | General / Tikeu | | according to sample | 1 Bo | orehole - Field test | 6 | ield tests | |
| 5 | Coordinate Z | S Number | 8,89 m 8,89 ft | | General / Fixed | | Add (to the end) | 2 Bo | orehole - Soil profile | 9 | ioil Profiles | |
| 6 | Vertical offset of the origin | S Number | Symbol: d _h 8,89 m 8,89 ft | | General / Fixed | | E Insert (before 9) | | | | | |
| 7 | GWT bored | String | Symbol: GWT _b Unit description: m, ft | | Read only - list of GWT bored from GWT table / Borehole+Well+SPT+PMT | | 7 Edit (number 9) | | | | | Copy All |
| 8 | GWT steady | String | Symbol: GWTs Unit description: m. ft | | Read only - list of GWT steady from GWT table / Borehole+Well+SPT+PMT | | Remove (number 9) | | | | | |
| 9 | Layers | Table | With layer thickness | | | | | | List of | mapping for export | and import | |
| | Depth | Number | number of elements o | | | | Move upwards (number 9) | No. | Name | Comme | nt | 🕂 Add |
| | Soil name Soil pattern | String Pattern and color | | | | | the standard to | 1 | FINE AGS4 Ed. 4.0. | | | |
| | Layer description | | | | | | (number 9) | 2 | FINE - EN Standar | | | |
| | Data - Basic Strationably | Group String | | | | | | | | | | |
| | Classification according to EN ISO 14688-1 | String | | | | | | | | | | |
| | Classification according to EN ISO 14688-2 POD | String | | | | | | | | | | |
| | Notes | String | | | | | | | | | | Copy All |
| 10 | Samples Depth from | S lable Number | With depth 'from' and optional 'to' Number of elements 4 | | Borehole+SP1+PM1 / Fixed | | | | | | | 9 0 0 1 |
| | Depth to | S Number | | | | | Сору | | | | | 🕒 Paste |
| | Sample type undisturbed | Enumeration Enumeration element | | | | | (number 9) | Columns | for Cross-Sections (n | umber of columns 4 |): | Input columns |
| | disturbed | Enumeration element | | | | Ŧ | 習 Paste | Graphica | Irepresentation (nur | mber of items 1) : | Input grap | hical representations |
| Capabilit | y : model creation, borehole | | | | | | | | | OK + 🦊 | 🗸 OK | X Cancel |

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

| | Edit data type | | | | | | | | _ | | × |
|-----|---|-------|---|----------|---|---------------|-----------------------|--------|----------|--------|-----|
| — F | arameters of data type | | | | | | | | | | |
| Тур | e : Table 🔹 Name : 🕥 Layers | • | ▼ 🛪 EN Comm | ient : 🥎 | Borehole+Well+SPT+PMT / Fixed | • X | A EN Parameters | : 🚷 ch | nanged g | lobal | • |
| Tab | le type : With layer thickness 👻 | | | | | | | | | | |
| No | . Name | | Туре | Column | Parameters | | Comment | | Add | | |
| 1 | Thickness | 5 | Number | ~ | Symbol: t 8,89 m 8,89 ft | General / Fix | ed | | (to th | e end) | |
| 2 | Depth | \$ | Number | ~ | Symbol: d 8,89 m 8,89 ft Allow input of string | Read only - a | utomatically determin | ed fro | | | |
| 3 | Soil name | 6 | String | ~ | | Borehole+W | ell+SPT+PMT / Fixed | | | | |
| 4 | Soil pattern | 9 | Pattern and color | ~ | Pattern and color | Borehole+W | ell+SPT+PMT / Fixed | | | | |
| 5 | Layer description | 9 | String | ~ | Multiline string | Borehole+W | ell+SPT+PMT / Fixed | | | | |
| 6 | Data - Basic Stratigraphy Classification according to EN ISO 14688-1 Classification according to EN ISO 14688-2 RQD | | Group String String String String | | Number of elements 5 | | | | | | |
| | Notes | 9 | String | | | | | E | | | |
| | | | | | | | | 2 | Paste | | |
| _(| onditional input | | | | | | | | unc | | |
| Ma | ster enumerations (unspecified) No enumerations defined for u | using | j as master. | | | | | | | | |
| | Changed Global data type | | | | | OK + 🕆 | OK + 🖖 | 🗸 ОК | ; | 🕻 Can | cel |



Kliknite na tipku "Add" kako biste dodali novu stavku.

| New table column | × |
|--|---------------|
| Input method : create new user data type 🔻 | |
| | |
| | |
| | |
| | |
| | ✓ OK X Cancel |

Nakon potvrde tipkom OK, opišite izrađene vrste podataka.

| New table column | | | \times |
|---|-------|-------|----------|
| - 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) v No enumerations defined for using as master. | | | |
| 🟦 User data type | 🕂 Add | 🗙 Car | ncel |

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

| | Edit data type | | | | | — 🗆 X | | | | | |
|------------|--|---|---------|---|---|--|--|--|--|--|--|
| — Р | arameters of data type | | | | | | | | | | |
| Тур | : Table 👻 Name: 🛇 Layers | ▼ 🛪 EN Comm | ent : 🥎 | Borehole+Well+SPT+PMT / Fixed | 💌 🛪 EN 🛛 Parameters : 😭 | changed global 💌 | | | | | |
| Tabl | e type : With layer thickness 👻 | | | | | | | | | | |
| No | Name | Туре | Column | Parameters | Comment | 🔥 Add | | | | | |
| 1 | Thickness 6 | Number | ~ | Symbol: t 8,89 m 8,89 ft | General / Fixed | (to the end) i Insert (hefore 7) | | | | | |
| 2 | Depth S | Number | ~ | Symbol: d 8,89 m 8,89 ft Allow input of string | Read only - automatically determined fr | Edit (number 7) | | | | | |
| 3 | Soil name S | String | ~ | | Borehole+Well+SPT+PMT / Fixed | Remove | | | | | |
| 4 | Soil pattern S | Pattern and color | ~ | Pattern and color | Borehole+Well+SPT+PMT / Fixed | (number /) | | | | | |
| 5 | Layer description S | 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 | | Move upwards (number 7) Copy Copy | | | | | |
| 7 | My Drillability | String | × | Symbol: MD | | - (number /) | | | | | |
| — C Mas | - Conditional input | | | | | | | | | | |
| | Changed Global data type | | | | OK + ∱ OK + ᢤ ✓ (| DK X Cancel | | | | | |



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.

| Edit table row | | | | | | | × |
|---------------------|---|---|--|---------------|----------------------------------|---------------|----------|
| Thickness: 1 | := <mark>1,50</mark> [m] | | | Data - Basio | | | |
| O Depth : fro | 4,90 [m] to 6 | ,40 [m] | | Stratigraph | y: | Recent | |
| Soil name : | Fill | | - | Classificatio | on according to EN ISO 14688-1 : | Gr | |
| Soil pattern : | Pattern category : | Color : | Pattern : | Classificatio | on according to EN ISO 14688-2 : | | |
| | GEPRODO 🔻 | • | $\times\!\!\times\!\!\times\!\!\times\!\!\times$ | RQD : | | - | |
| | Search : | Background : | | Notes : | | Easy drilling | ~ |
| | Subcategory : | enter color 🔻 | 1 Made-up ground | | | | ~ |
| | Superficial deposits (1 - 83) | • | r Made-up ground | | | | |
| Layer description : | coarse GRAVEL with some silt (clayey shale) |) and fresh angular cobles up to 15 cm, | , dark grey colour | | | | |
| | | | ~ | | | | |
| My Drillability : | | | | | | | |
| | | | | | 01/ | | M Canad |
| | | | | | UK + T | UK + 🔶 🗸 UK | 👗 Cancel |

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.

| | Edit data type | | | | | - D X |
|------|--|-----------------------|-----------|-------------------------------|---|----------------------------------|
| -F | arameters of data type | | | | | |
| Тур | e: Table 👻 Name: 🔕 Layers | ▼ 🛪 EN Comme | nt: 🕤 | Borehole+Well+SPT+PMT / Fixed | 💌 🛪 EN 🛛 Parameters : 🚷 | changed global 🔻 |
| Tab | e type : With layer thickness | | | | | |
| No | . Name | Туре | Column | Parameters | Comment | 🔥 Add |
| 1 | Thickness S | Number | ~ | Symbol: t | General / Fixed | (to the end) |
| | | | | 8,89 ft | | = Insert |
| 2 | Depth S | Number | ~ | Symbol: d | Read only - automatically determined fr | (before /) |
| | | | | 8,89 m 8,89 ft | | Edit |
| | | | | Allow input of string | | (number /) |
| 3 | Soil name Questic | | | × | Borehole+Well+SPT+PMT / Fixed | (number 7) |
| 4 | Soil pattern | | | ~ | Borehole+Well+SPT+PMT / Fixed | (number i) |
| 5 | Layer description | Do you really want to | delete se | lected table item? | Borehole+Well+SPT+PMT / Fixed | |
| 6 | Data - Basic | | | nts 5 | | |
| | Stratigraphy Classification according to EN ISO 14688-1 | ✓ Yes | 0 | <u>V</u> o | | |
| | Classification according to EN ISO 14688-2 | string | | | | '=' (number 7) |
| | RQD S | String | | | | 🗈 Сору |
| 7 | My Drillability | String | 1 | Symbol: MD | | (number 7) |
| | | sang | | | | Paste |
| -0 | onditional input | | | | | |
| | | | | | | |
| IVIa | ter enumeration : (unspecified) | as master. | | | | |
| <ā | Changed Global data type | | | | OK + ∱ OK + ᢤ ✓ | DK 🗙 Cancel |



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"

| 8 | Edit ten | nplate | | | | - | | | | | | | – 🗆 🗙 |
|---|-------------|--|--|-----------------------------------|---|--------------------------------|----------------|----------------------|-----------------------|------------------|---------------|---------------------|-----------------------|
| N | ame: Ab | Borehole | • | 🛪 EN Comment: j | 2 | ▼ X _A | | | | | | | |
| | | | | | Input data | | | | | | List of outpu | it protocols | - |
| | No. | | Name | Type | Parameters | Conditional input | | Comment | Add | No. | Name | Protocol type | 🕂 Add |
| | 9 | Lavers | | Table | With laver thickness | | Borehole+W | ell+SPT+PMT / Fixed | according to sample | 1 Borehole - Fie | d test | Field tests | |
| | | Thickness Depth Soil name Sail pattern Layer description Data - Basic Stratigraphy | | Number Number of elements 7 | | | + Add | | + Add (to the end) | 2 Borehole - Soi | profile | Soil Profiles | |
| | | | | String | | | | | - Insert | | | | |
| | | | | S Pattern and color String | | | | | :± (before 9) | | | | |
| | | | | Edit table item | | | | | | | - 0 X | | Copy All |
| | | Class | ification according to EN ISO 14688-1 | - Parameters of data type | | | | | | | | | |
| | | RQD | Edit data type | Type : Group | Name: Ab Data - Basic | ▼ 7A | EN Comment: 🙀 | | ▼ 7 _A | | | | |
| | | My Dril | Parameters of data type | No | Name | | Time | Darameters | Comp | nent | - Add | xport and import | |
| | 10 | Samples Type: Table v Name: S 1 Stratigraphy | 1 Stratigraphy | Hunte | 🕤 Str | ing | - diameters | Borehole+Well+SPT+F | MT / User | (to the end) | mment | 🕈 Add | |
| | | Depth 1 | Table type : With layer thickness | 2 Classification accordi | ng to EN ISO 14688-1 | Str | ing | | Soil/Rock Test / User | | | | |
| | | Sample undi | No. | 3 Classification accordi 4 ROD | ng to EN ISO 14688-2 | Str | ing ing Uni | description: [%] [%] | Soil/Rock Test / User | | | | |
| | | distu tech | 1 Thickness | 5 Notes | | Str | ing Mu | tiline string | General / User | | | | |
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| 1 | 11 | Table GW1 | 3 Soil name | | nput method : select existing user data ty | • iype: String | • | | | | | | - taxe |
| | | GWT ty | 4 Soil pattern | | My Unilability ; | | | | | • | | IIIIS 4/ . | input columns |
| | | GW1 | 5 Layer description | 2 | ymbol: MD | | | | | | |): [III] Input grap | hical representations |
| G | apability : | model crea | Stratigraphy | | | | | | | | | 🐣 🖌 ОК | 🗙 Cancel |
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| | | _ | RQD Notes | | | | | | 🕆 Add | X Cancel | Paste | | B* Add Picture |
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| | | _ | - Conditional input | | | | | | | | | | I list of Appen |
| | | | Master enumeration : (unspecified) | 🟦 User data type | | | | | OK + 🔶 | 🗸 OI | Cancel | | List of Annex |
| | | | Changed Global data type | | | | (| 0K+ + | V OK X Cancel | | | | l 🖨 (|
| | | L | | | | | | | - Juncer | | | | |

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



Uvijek možemo vidjeti kako su podaci raspoređeni u tablici:

| Edit te | mplate | | | | E talt template | | | | | | | |
|------------|---|--|---|-------------------|-------------------------------------|---|--------------------------|--|---|--|--|--|
| Name: A | Borehole 👻 3 | 🗛 EN Comment : 🕯 | 1 | ▼ X _A | | | | | | | | |
| | | | Input data | | | | List of output protocols | | | | | |
| No. | Name | Туре | Parameters | Conditional input | Comment | Add | No. | Name | Protocol typ | e 🕂 Add | | |
| 9 | Layors <u>Taichess</u> Depth Sol name Sol pattern Layor Charlos Datatoraphy Classification according to [IN 150 1468-1 Classification according to [IN 150 1468-2 RCD. | Table Number Number Pattern and color String Group String | With layer thickness Number of elements 6 | | Borehole - Well - SPT + PMT / Fixed | | 2 | Borehole - Field test Borehole - Soil profile | Field tests Soil Profiles | B Copy All | | |
| | My Drillability | String | | | | | | List of | mapping for export and impor | t | | |
| 10 | Samples Death from Death from Death from Death from Death from distributed distributed technological rock strength leachate other Sample index | Table Number Number Number Enumeration elemen Sining | With depth "from" and optional "to" Number of elements 4 | | Borehole+SPT-PMT / Fixed | Move upwards (number 9) Move downwards (number 9) Move downwards (number 9) | No 1 2 | - Name FINE AGS4 Ed. 4.0, FINE - EN Standar | Comment | Add Copy All Ry Paste | | |
| 11 | Table GWT Depth GWT type GWT bored | Table Number Enumeration Enumeration elemen | With depth Number of elements 3 | | Borehole+Well+SPT+PMT / Fixed | Copy (number 9) Paste | Colum Graphi | ns for Cross-Sections (ni cal representation (num | umber of columns 4) : nber of items 1) : III Input g | Input columns raphical representations | | |
| Capability | : model creation, borehole | | | | | | | | OK + 🔸 🖌 OK | 🗙 Cancel | | |



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

| Edit table row | | | | | × |
|---------------------|---|--|---|--|--------------------|
| Thickness: 1 | := <mark>4,90</mark> [m] | | | Data - Basic | |
| O Depth : fro | 0,00 [m] to 4 | ,90 [m] | Stratigraphy : | Recent | |
| Soil name : | Fill | | - | Classification according to EN ISO 14688-1 : | saCl |
| Soil pattern : | Pattern category : | Color : | Pattern : | Classification according to EN ISO 14688-2 : | |
| | GEPRODO - | · · · · · · · · · · · · · · · · · · · | $\times \times \times \times \times \times$ | RQD : | - |
| | Search : | Background : | - | Notes : | Easy drilling |
| | Subcategory : | enter color 🔹 | 1 Made-up ground | | ~ · |
| | Superficial deposits (1 - 83) | • | T Made-up ground | My Drillability : MD - | |
| Layer description : | fine grained SAND with some silt, dense, m | ixed with cobles of concrete and piece | es of bricks partly the size \land | Wy Dimability . WD - | |
| | is larger than the borehole diameter, block | | ~ | | |
| | | | | | OK + JLOK Y Cancel |
| | | | | | |

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

| | Edit templa | ate set | | | | | | | | | - 🗆 X | | |
|------|-------------|--|--------------------------------|-----------------------------------|-----------------------|-------------------------|-----------------------|----------------------------|---------------------|----------------|-----------------------|----------------|----------------------------|
| Nat | me: 🚅 🛙 E | M 44 | ▼ 7 _A EN | Comment : 🚘 | • 7 _A | | | | | | | | |
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| 1 | Borehole | | | model creation, borehole | copusity | | | | | | (to the end) | | Project |
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| 4 | Name: A | Borehole | * 7 <u>A</u> | EN Comment: 🙀 | | ×A. | | | | | | | |
| - 6 | | | | | Inout data | | | | | | List of output | rotocols | |
| 7 | Ne | Nam | | Tree | Parameters | anditional input | Con | ment | - Add | Ne | Name | Protocol | all and |
| | 7 | GWT bored | (ie | String Symbol: GW | T _b | onacional input | Read only - list of G | WT bored from GWT | according to sample | 1 Rorehole - | Field test | Field tests | - Add |
| | | | 📄 Edit data type | | | | | | | – 🗆 🛛 | profile | Soil Profiles | |
| | 8 | GWT steady | Descenters of data to a | | | | | | | | | _ | |
| | 9 | Lavers | Parameters of data typ | Edit table column | | | | | | | | < | |
| | | Thickness | Type : Table v | Parameters of data type | | | | | | | | - | |
| | | Depth Soil name | Table type : With depth " | Time: Enumeration - Nam | s Samala tuna | - 74 EN | Comment : | Pershole: SDT: DMT / Fixed | | ENI Daramete | changed global | - | Сору |
| | | Soil pattern | No. | type. chumeration - tvani | Sample type | • 74 LIV | comment. | borenoie+3P1+PWIT/Tikeu | | LIV Palalliete | ss. M changed global | | |
| | | Layer description Data - Basic | 1 Depth from | No. | Name | | Туре | Parameters | | Comment | + Add (to the end) | | |
| | | Stratigraphy | | 1 undisturbed | | S Enume | ration element | <u> </u> | | | (to the end) | and import | |
| | | Classification according Classification according | 2 Depth to | 3 technological | | S Enume | ration element | | | | | and import | ally and |
| | | RQD | - aspense | 4 rock strength | | S Enume | ration element | | | | | ni | - Add |
| | | My Drillability | | 5 leachate | | S Enume | ration element | | | | | | |
| | 10 | Samples | 3 Sample type undisturbed | 6 sample of water | | S Enume | ration element | | | | | | |
| | | Depth from | disturbed | 7 other | | S Enume | ration element | | | | | | |
| | | Sample type | technological rock strength | | | | | | | | | | |
| Fiel | | undisturbed | leachate | | | | | | | | | | ID CODY |
| | | technological | sample of water other | | | | | | | | | | B AII |
| -0 | | rock strength | 4 Sample index | | | | | | | | | | Por Paste |
| -20 | | sample of water | | | | | | | | | | | |
| | | other | | | | | | | | | - | | He input columns |
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| | Capability | : model creation, borenole | Master enumeration : (u | | | | | | | | Paste | - OK | Cancel |
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| | | | | | | | | | | | | | Outputs |
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| | | | | 👫 Changed Global data type | | | | | OK + 🔶 | OK + 🔸 | V OK X Cancel | | |
| 10 | | | | | | | | | | | | | |



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.

| New enumeration element | × |
|--|--|
| Input method - select global data type - select global data type select existing user data type create new user data type | Type : Enumeration element v Show data types for all countries |
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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

| 🥃 Edit table column | | | | $ \Box$ \times | | | | |
|--|---------------------|----------------------------|---------------|----------------------------|--|--|--|--|
| - Parameters of data type | | | | | | | | |
| Type: Enumeration Vame: Sample type | ≭A EN Comment: | S Borehole+SPT+PMT / Fixed | ▼ 🛪 EN Parame | eters : 🔮 changed global 💌 | | | | |
| No. Name | Туре | Parameters | Comment | Add | | | | |
| 1 undisturbed | Enumeration element | | | (to the end) | | | | |
| 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 | | | | | | | |
| New enumeration element Input method : create new user data type | × | 配 Copy All 꽏 Paste | | | | | | |
| Master enumeration : (unspecified) | | | | | | | | |
| | | ✓ ОК 🗙 | Cancel | | | | | |
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| 🙀 Changed Global data type | | | OK + ↑ OK + ↓ | ✓ OK X Cancel | | | | |

| New enumeration element | | | × |
|--|-------|-------|------|
| Parameters of data type | | | |
| Type: Enumeration element 🔻 Name: 🔮 Rock strength - Schmidt 🔹 🛪 EN Comment : 🏦 🔍 💌 🛪 | | | |
| Enumeration element has no other parameters. | | | |
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Pogledajmo rezultat dodjele.

| Edit table column | | | | | | |
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| — Param | eters of data type | | | | | |
| Type: En | numeration v Name: Sample type | A EN Comment: | S Borehole+SPT+PMT / Fixed | 💌 🛪 EN 🛛 Parameters : 🔮 | changed global 💌 | |
| No. | Name | Туре | Parameters | Comment | 🔥 Add | |
| 1 undi | isturbed S | Enumeration element | | | (to the end) | |
| 2 distu | urbed 🥎 | Enumeration element | | | :∓ Insert | |
| 3 tech | inological S | Enumeration element | | | (before 8) | |
| 4 rock | : strength 🕥 | Enumeration element | | | Edit | |
| 5 leac | hate 🕤 | Enumeration element | | | (number 8) | |
| 6 sam | ple of water 🕤 🕤 | Enumeration element | | | Pamouro | |
| 7 othe | er 🕤 | Enumeration element | | | (number 8) | |
| 8 aggr | ressivity 🕤 | Enumeration element | <u> </u> | <u> </u> | | |
| 9 Rock | k strength - Schmidt 🏼 🚔 | Enumeration element | RS | | | |
| — Condit Master er | ional input numeration : (unspecified) v No enumerations defined for using as ma | aster. | | | Image: model Move downwards Image: model (number 8) Image: model Copy (number 8) Image: model Image: model Copy (number 8) Image: model Image: model Paste | |
| Chail | anged Global data type | | | OK+ ✤ OK+ ✤ ✔ | OK X Cancel | |



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

| Edit field test properties (borehole) | | | | | | | | | |
|--|----------------------|--|--|--|--|--|--|--|--|
| - Test parameters | Soil profile | | | | | | | | |
| Test name : BH1 | | | | | | | | | |
| Coordinate : x = 0,00 [m] y = 0,00 [m] | 1,5- FW | | | | | | | | |
| Heigth : input v z = 0,00 [m] | 3,0- | | | | | | | | |
| Depth of 1. point : d ₁ = 0,00 [m] | 4,5- | | | | | | | | |
| Overall depth : $d_{tot} = 24,00$ [m] | 6,0- | | | | | | | | |
| ✓ Field test generates soil profile | Sand with trace 3 | | | | | | | | |
| Layers Samples Table GWT Data - Protocol Data - Test Attachments | fines - RS | | | | | | | | |
| No. Depth from Depth to Sample type Sample index | | | | | | | | | |
| d _{min} [m] d _{max} [m] 1 4.00 6.00 disturbed 2086 | E Sandy 6-E3 | | | | | | | | |
| 2 8,00 aggressivity 2100 | £12,0 | | | | | | | | |
| 3 11,00 undisturbed 2087 | 13,5-weathered | | | | | | | | |
| 4 23,00 rock strength 2095 | | | | | | | | | |
| New table row X | 15,0- Shale, 8 | | | | | | | | |
| Depth : d = 8,00 [m] | 16,5 Shale, 9 | | | | | | | | |
| Depth to | 18,0- weathered | | | | | | | | |
| Sample type : Rock strength – Schmidt 💌 | 19,5- | | | | | | | | |
| Sample index : 2100 | 21,0-Shale, slightly | | | | | | | | |
| | weathered | | | | | | | | |
| 🕂 Add 🗙 Cancel | 22,5 | | | | | | | | |
| | 24,0 | | | | | | | | |
| 🖶 Print log 🛛 🔒 Import | ✓ OK X Cancel | | | | | | | | |

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".

| Edit table item | | | | | | — 🗆 X | | |
|---|---------|-------------|----------------------------|------------------------------|------------|----------------------------------|--|--|
| - Parameters of data type | | | | | | | | |
| Type: Group v Name: Ab Data - Basic | • | 🛪 EN Commen | t: 🛍 | ▼ XA | | | | |
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| 1 Stratigraphy | 5 | String | | Borehole+Well+SPT+PMT / User | | (to the end) | | |
| 2 Classification according to EN ISO 14688-1 | 5 | String | | Soil/Rock Test / User | | Insert | | |
| 3 Classification according to EN ISO 14688-2 | 6 | String | | Soil/Rock Test / User | | :± (before 5) | | |
| 4 RQD | 5 | String | Unit description: [%], [%] | Soil/Rock Test / User | | - Edit | | |
| 5 Notes | 3 | String | Multiline string | General / User | | (number 5) | | |
| 6 My Drillability | <u></u> | String | Symbol: MD | | | | | |
| | | | | | 2 | (number 5) | | |
| Question × O bo you really want to delete selected group item? Yes O No 1 | | | | | | | | |
| Conditional input Conditional input Vaster enumeration: Unspecified) Vo enumerations defined for using as master. | | | | | | | | |
| 🟦 User data type | | | | OK + 1 | √ (|)K 🗙 Cancel | | |



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| Casing Depth from Depth to | © Table (number 2) Columns Columns (number 2) Columns Columns (number 2) Columns (number | for Cross-Sections (number of columns 4) : III Input column I representation (number of items 1) : III Input graphical representation |
| Capability : model creation, bor | thele | OK + 🐳 🗸 OK 🗶 Cancel |
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| 🗃 Edit field te | st properties (borehole) | — 🗆 X |
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| Tert name : | PH1 | Soil profile |
| rest name : | | 1.5- |
| Coordinate : x | = 0,00 [m] y = 0,00 [m] | rii ka |
| Heigth : | input v z = 0,00 [m] | 3,0- |
| Depth of 1. poi | nt: d ₁ = 0,00 [m] | 4,5- |
| Overall depth : | d _{tot} = 24,00 [m] | 6,0- |
| ✓ Field test g | enerates soil profile | Sand with trace 3 |
| Layers Samp | les Table GWT Data - Protocol Data - Test Attachments | fines A |
| | A 16 | 9,0 Grâ <u>vel</u> ly <u>4</u> |
| Survey No. : | | 10,5 Sandy 5- |
| Location : | Prague 12 | |
| Documented | Mr. Smith | Shale, fully |
| Evaluated : | Eng. Checker | 13,5-weathered |
| Processed : | Mr. Smith | 15,0-Shale, 8 |
| Date start : | 22.11.2017 | 16,5 - Shale, 9 |
| Date end : | | moderately |
| | | 10,0 |
| Foreman : | Mr. Young | 19,5-10 |
| Notes : | Sunny, 17C A | 21,0-Shale, slightly |
| | v complication during drilling | weátheréd |
| | | |
| | | 24,0 |
| 🖶 Print log | 🕒 Import | VOK X Cancel |

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



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.

| Edit table row | | | | | × |
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| Thickness: | t = 1,50 [m] | | | Data - Basic | |
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| Soil name : | Fill | | - | Classification according to EN ISO 14688-1 : | Gr |
| Soil pattern : | Pattern category : | Color : | Pattern : | Classification according to EN ISO 14688-2 : | |
| | GEPRODO - | • | | RQD : | - |
| | Search : | Background : | - | My Drillability : MD = | 1 |
| | Subcategory : | enter color 🔹 | | | |
| | Superficial deposits (1 - 83) - | ▼ | I Made-up ground | | |
| Layer description : | coarse GRAVEL with some silt (clayey shale |) and fresh angular cobles up to 15 cm | n, dark grey colour 🛛 🔨 | | |
| | | | ~ | | |
| | | | | | |
| | | | | OK + 👚 🛛 | OK + 🤚 🖌 OK 🗙 Cancel |

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".

| Edit te | mplate | | | | | | | | | - 🗆 × |
|------------|--|---|---|-------------------|---|---------------------|---------|---|-------------------------------|---|
| Name: A | Borehole | ▪ ૠ EN Comment: | a | ▼ 7A | | | | | | |
| | | | Input data | | | | | | List of output protocols | |
| No. | Name | Type | Parameters | Conditional input | Comment | Hg Add | No. | Name | Protocol.tvr | 🛖 🕂 Add |
| 1 | Test name | String | | | General / Fixed | according to sample | 1 B | | | - Edit |
| 2 | Overall depth | S Number | Symbol: d _{tot} 8,89 m 8,89 ft | | Read only - automatically determined from data of field test / General / Fixed | Add (to the end) | 2 8 | orehole - Soil prohle | Soil Profiles | (number 1) |
| 3 | Coordinate X | S Number | 8,89 m 8,89 ft | | General / Fixed | | | | | (number 1) |
| 4 | Coordinate Y | S Number | 8,89 m 8,89 ft | | General / Fixed | | | | | Copy (number 1) |
| 5 | Coordinate Z | S Number | 8,89 m 8,89 ft | | General / Fixed | | | | | |
| 6 | Vertical offset of the origin | S Number | Symbol: d _h 8,89 m 8,89 ft | | General / Fixed | | No | List of Name | mapping for export and import | t Add |
| 7 | GWT bored | String | Symbol: GWT _b Unit description: m, ft | | Read only - list of GWT bored from GWT table / Borehole+Well+SPT+PMT | | 1 2 | FINE AGS4 Ed. 4.0. FINE - EN Standar | | |
| 8 | GWT steady | String | Symbol: GWTs Unit description: m, ft | | Read only - list of GWT steady from GWT table / Borehole+Well+SPT+PMT | | | | | |
| 9 | Layers <u>Thickness</u> Depth Soil pattern Layer description Data - Basic Stratigraphy Classification according to EN ISO 14688-1 | Table Number Number String Pattern and color String Group String String | With layer thickness Number of elements 6 | | Borehole+Well+SPT+PMT / Fixed | Copy All | Column | s for Cross-Sections (r | umber of columns 4) : | 탄 Copy All 한 Paste 國 Input columns |
| | Classification according to EN ISO 14688-2 | String | | | | Paste | Graphic | al representation (nu | mber of items 1) : 🔳 Input g | raphical representations |
| Capability | Opt- 🔶 🗸 OK 🗙 Cancel | | | | | | | | | |

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

| Edit protocol | | | | | | | | | × |
|-------------------------------------|----------------------------|-------------------------|--------------------------|--|-------------------|-------------------|---------------|--------------------------------|-------------------|
| Parameters | Scale | Tables | P | aper format | Margins | | Font and text | | Preview |
| Name : Ab Borehole - Field test 💌 🎗 | EN one page Frame | Thickness : 0,40 [mm | n] Color : Paper size | e: A4 💌 Top: 15 | 5,0 [mm] Bottom : | 15,0 [mm] Default | (Arial) | Field test | |
| Layout : Table - Column - Table - | ✓ two pages Inner liner | es Thickness : 0,20 [mm |] Color: Layout: | portrait 💌 Left : 15 | 5,0 [mm] Right : | 15,0 [mm] | | BH1 | Print preview |
| Protocol type : Field tests | ✓ 1:100 Height | Row : 5,0 [mm | n] Font : 3,5 [mm] | | | | | | |
| Upper table Columns Bottom table | | | | | | | | | |
| | | | | | | | | | Table repeating : |
| | | | | , | | | | | on first page 👻 |
| | 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 | | Column : |
| | Soil Boring a. s. | Soil | genim/wijd sewim | | | | | | ¥ Remove |
| 1:2,0 | Nad Kamínkou 24, Prah | a,156 Boring | | Log of Be | oring | | BH1 | | Row: |
| 2:10 | Droiget: Apart | mont building "Moo | nlighting". Coological c | UDION | | | | | + Add |
| 2:1,0 | Project. Apart | Moore wood | | | | | | | Remove |
| 3 : 1,0 | Project ID: AA_0 | 014 - 2019 | Annex no.: A.1G | Drilling equipment: Hutte 202 I F | | | | | GeoClipboard™ |
| 4 : 1,0 | Location: Pragu | e 12 | | Overall depth: 24,00 m Boreho | | Borehole p | position: | | Copy |
| 5 : 1,0 | Date start: 22.11 | 2017 Foreman: N | Mr. Young | Ground water table: Coordinate X: 0,00 | | | 0,00 | | |
| 6 : 1,0 | Date end: 23.11 | 2017 Documented: N | Mr. Smith | GWT bored: 15,80 m | | Coordinate Y: 0 | ,00 | | |
| 7 : 1,0 | Scale: one p | age | | GWT steady: 12,50 m | | Coordinate Z: C |),00 m | | Zoom : |
| 8 : 1,0 | | Drilling: | | | Casing: | | | | |
| 9 : 1,0 | Depth from | Depth to | Drilling dia. | Depth from | Depth to | Casi | ng dia. | | |
| 10 : 1,0 | 0,00 | m 20,00 |) m 195 mm | 0,00 m | 20,00 | 0 m | 191 mm | | |
| 11 : 1,0 | 20,00 | m 24,00 |) m 156 mm | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| L 4 | | | | | | | | • | |
| | | | | | | | | ОК + 🔸 🗸 ОК | X Cancel |



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





| Parameters | Scale | Tables | Paper format | Margins Font and text | Preview |
|--|--|---|--|--|----------------------|
| Name : Ab Borehole - Field test 💌 🛪 EN | ✓ one page Frame Thickness | :: 0,40 [mm] Color: | Paper size : A4 🔹 Top : 15, | 0 [mm] Bottom: 15,0 [mm] Default (Arial) | Field test : |
| Layout : Table - Column - Table - | ✓ two pages Inner lines Thickness 1:50 | :: 0,20 [mm] Color: | Layout : portrait 💌 Left : 15, | .0 [mm] Right: 15,0 [mm] | BH1 Print preview |
| Protocol type : Field tests | ✓ 1:100 Height Row | : 5,0 [mm] Font: 3,5 [mi | n] | | |
| Upper table Columns Bottom table | | | | | |
| | | | | 1 | Header repeating : |
| | | 2 2 2 5 7 m | | - | on each page |
| | 1:40 | BH1 Sold BH1 Sold BH1 | E Layers description | | Column : |
| | | 2 3 8 8 8 × × | ٤ | | Add |
| | | 100 | | | × Remove |
| | | 100- | | | Bow : |
| | | 2.00- 3.00- 10- 10- 10- 10- 10- 10- 10- 10- 10- | Fill: Sne grained SAND with some sill, dense, mixed with cobies of concrete and pieces of bricks parity the size is larger than the brothesis domaine. Mark colour of the soil | | - Add |
| | | 400- Ĕ | | insert column X | × Remove |
| | | 6.00- 6.00- | 6.40 Fill: coarse GRAUEL with same siti (claysy shale) and hesh angular cobles up to 15 cm, dark grey calour | insert column - Between F and G | Geo(linboard* |
| | | 7.00- 10-20-00 Sa · 60 | Sand with trace of fines, medium grained with some fine soil, donse, rust brown | Muselan 1 | m. Copy |
| | | 8,00- 2 1717 (71-0A,2100 9,00- E 2 1717 (71-0A,2100 | Gravely clay: hard, gravel particles: up to 10 mm (weathered shele), brown | | E table |
| | | 10.00 Sawy 10.07. Sawi C. 9.0 | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | VOK X Cancel | |
| | | 11,00- Particity = 2007 seCl 10, | 0 - 12,00 Sandy clay: with some gravel, hard, gravel - sub angular shale up to 10 mm, sand is fire, mics included, brown colour | | |
| | | 12,00- grCl 12,0 | Shale, fully weathered, residual soil, city character with small 0-14,80 periodes of shale up to 5 mm, gravel perts are weathered, grey | | Zoom : |
| | | 5.00- | Shele, weathered in borehole core small planes, gordy inclines, | - | 100% |
| | | 98.00- | parts to do mm, weak strengt, micas and immersion tolation planes, browninust | _ | |
| | | 17.00 - 10 18.00 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - | Shele, moderately weathered layered, drill sharp fragments Shele mm, gently inclines, weak/moderately strong, wet, dark way | | |
| | | 14.00- 8 HHA | <i>44</i> | - | |
| | | 21.00- | State slight-sentered materia stress for barred state | | |
| | | 22.00- and and a 10. | 0 - 24,00 inclined, wet (saturated - under water table), dark grey | | |
| | | 20.00 | | 4 | _ |
| . 4 | | - | | | |
| | | | | | |
| | | | | | OK + 👶 🕜 OK 🔀 Cancel |

Nakon izrade stupca, kliknite na njega i odaberite što želite prikazati u ćeliji. Odaberite opciju "Test dataname" 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.

| Name | Symbol | Unit | |
|--|------------------|------|---|
| Thickness | t | m | 4 |
| 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 | | | |

| Coll modification 61 | ~ |
|--|---------------------------------------|
| | ^ |
| Number of columns : 1 Right margin Background color : 🗸 | |
| Number of row : 1 Bottom margin | |
| [tem 1] | - Add item |
| | 🕂 (to the end) |
| Item type : Text Insert field | :+ Insert item |
| My Drillability | ·- (before 1) |
| | |
| | |
| - Item location into cell | |
| Horizontal : center V Part of width : 100 [%] Font color : Bold Vertical text | 1 |
| Verticale and the line of the | |
| Vertical: center V Part of height: 100 [76] Font size: normal V | |
| Size modification : reduce 🔻 | |
| | J |
| ✓ OK | 🗙 Cancel |
| Edit protocol | X |
| Parameters Scale Tables Paper format Margins Front and text Name: 40 Borehole - Field text 7 AL But Q one page Frame Thickness: Q40 (mm) Color: Paper size: Ad w - Top: 150 (mm) Bottom: 150 (mm) Default (Arial) | Field test : |
| Layout: Table - Column - Table • Inter lines Inter lines Output Inter lines Inter lines Output Inter lines | BH1 • Print preview |
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| 10- 10- 20- 20- 20- 20- 40- 40- 40- 40- 40- 40- 40- 4 | Row: |
| and 2 Cell modification 61 | H Add |
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| | · · · · · · · · · · · · · · · · · · · |
| | OK + 👶 🖌 OK 🗙 Cancel |



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.

| Column modification G | × |
|--|---|
| Number of columns : 1 🗹 Right margin Backgroun | d color : 📃 🔻 |
| - Column content | |
| Column type : Text description | ▼ . |
| Data source : Test | · |
| Description : Layers / Data - Basic / My Drillability | - |
| | |
| Hide column if no data for show | |
| - Font and text | Other parameters |
| Font color : Bold Vertical text | Line color : Draw line left |
| Font size : normal | Line thickness : 0,20 [mm] Draw fill or pattern |
| Size modification : reduce | Fill color : |
| | Horizontal : center 🗸 🗸 Draw line |
| | Vertical : center |
| | Show extremes |
| | Draw elevation dimension |
| | Flip horizontally Draw perforation sample |
| | |
| | V OK X Cancel |
| Cité protocol Parameters Scole Tables Name : 40 Borchole - Field tett Image: Application Scole Frame Layout : Table - Column - Table · Protocol type : Field tetts Q,00 (mm) Color: Image: Protocol type : Field tetts V Upper table : Columns: Bottom table V Height : Rev: S,0 (mm) Fort: 3,5 (mm) | Paper format per size: 144 v top: 150 [mm] Bottom: 150 [mm] Font and test Field test: ield test: Field test: |
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| | 44 pbosd* http://www.apposd* ble |
| | image: second |
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GE05

| Edit protocol | | | | | | | | | | × |
|-----------------------------------|-----------------|------------------|----------------|----------|----------------------------|----------|-------------------|---|-------------------|----------------------------|
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| Layout : Table - Column - Table 💌 | ✓ two 1 - 50 | pages Inner line | es Thickness : | 0,20 | [mm] Color : | • | Layout : portrait | Left: 15,0 [mm] Right: 15,0 [mm] | BH1 | Print preview |
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| | | A.06 8.0 | | D.00 | E.07 E.0 | 6.10 | H-12 | 1.40 | 1 | Header repeating : |
| | | A. 0,0 p. 0 | 7,4 C . 0,0 | 0.0,0 | E. 0,7 F. 0, | 0.1,0 | n - 1,2 | 1.4,0 | - | on each page 🔻 |
| | | - da | | WT | ation g to 1688- | A III | 2 | | 1 | Column : |
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| | | Stra | | Sa | Accelars Accelars RO | D | Fe | | 1 | × Remove |
| | | 1 " | | | - u | | | | 1 | Row: |
| | | 0.00 | | | | | | | | ¥ Add |
| | | 0,00 | | | | | | | 1 | GeoClinhoard TM |
| | | 1,00- | \otimes | | | | | Fill: fine grained SAND with some silt, dense, mixed with cobles of concrete and pieces of | | m. Copy |
| | | 2,001 | | | saCl | | 0,00 - 4,90 | bricks partly the size is larger than the borehole | | "En table |
| | | 3,00 - 8 | | | | | | diameter, black colour of the soll | | |
| | | 4,00- 0 | | 1 | | | | Fill: coarse GRAVEL with some silt (clayey | 1 | Zoom : |
| | | 5,00 | | 2086 | Gr | | 4 90 - 6 40 | shale) and fresh angular cobles up to 15 cm, | | 100% |
| | | 6,00 | | - | | | 4,0010,40 | Sand with trace of fines: medium grained with | 1 | |
| | | 7,00 - | Sand with | | Sa - | | 640-860 | some fine soil, dense, rust-brown | | |
| | | 8,00 - 2 | fines I | -•A 2100 | | | -, | Gravelly clay: hard, gravel particles up to 10 mm | | |
| | | 9,00- | Gravelly-clay | | grCl | | 8,60 - 9,60 | Sandy clay: hard, with some pieces of gravel | 1 | |
| | | 10,00 | Sandy-clay | | sasiCl | 1 1 | 9,60 - 10,50 | (quartz) up to 50 mm dia., brown | _ | |
| | | 11,00 | Sandy - | -53 2087 | saCl | | 10,50 - 12,00 | Sandy clay: with some gravel, hard, gravel - sub | | - |
| 4 | | | -riav | • | | | 1 | ancinal scale or in to mm sand is the mica | • | - F |
| | | | | | | | | | 04.1 | Constal |
| | | | | | | | | | 0K + 🔶 | Cancel |

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.





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

| 📄 Tem | Template administrator X | | | | | | | | | |
|---|--------------------------|---------------|----------|---------|------------------|--|--|--|--|--|
| No. | Туре | Name | Visible | Default | 🕂 Add | | | | | |
| 1 | Standard | CZ - GEOFOND | ~ | 0 | | | | | | |
| 2 | Standard | CZ - GEPRODO | ✓ | 0 | e <u>E</u> dit | | | | | |
| 3 | Standard | CZ - HUPO | ✓ | 0 | × <u>R</u> emove | | | | | |
| 4 | Standard | EN - Standard | ✓ | 0 | | | | | | |
| 5 | Standard | PT - Template | ✓ | 0 | | | | | | |
| 6 | Standard | RO - Template | ✓ | 0 | | | | | | |
| 7 | Standard | US - Template | ~ | 0 | | | | | | |
| 8 | Standard | PL - Template | ~ | 0 | | | | | | |
| 9 | Standard | CN - Standard | ✓ | 0 | | | | | | |
| U 1 | User | EM 44 | ~ | \odot | | | | | | |
| | | | | | | | | | | |
| | | | | | 🔚 Export | | | | | |
| Column "Default" determines template set for new tasks of the "Stratigraphy" program. | | | | | | | | | | |
| Close + use template set | | | | | | | | | | |