

Updated: 05/2021

Izrada dokumentacije terenskog ispitivanja

Program: Stratigrafija – Izvještaji

Datoteka: Demo_manual_42.gsg

Ovaj priručnik će vam pojasniti kako izraditi dokumentaicju terenskih ispitivanja.

Priručnici koji su povezani na ovaj:

EM 43 – Izrada profila tla iz terenskih ispitivanja EM 44 – Izrada korisničkih predložaka (podaci i protokol)

Bušotina BH1





Ispitivanje statičkom prenetracijom CPT1







Rješenje:

U kartici "Templates" provjerite imate li postavljen set predložaka koji želite koristiti. U ovom slučaju - "EN-Standard" (Ako je odabran drugi set predložaka, možemo ga promijeniti klikom na tipku "Select template set").



Program uvijek radi s cijelim gradilište i njegovim modelom. Kako bilo, ova činjenica nas ne limitira prilikom izrade dokumentacije ispitivanja. Preskočit ćemo "Construction Site", "Source data", "Terrain Points", "Terrain Edges" i idemo odmah u karticu "Field Tests", gdje pritisnemo tipku "Add".





Najprije dodajemo bušotinu.

Type of new field test X			
Borehole	Well	СРТ	
DPT	SPT	DMT	
PMT			
		🗙 Cancel	

Nakon pritiska na tipku "Borehole", pojavljuje se dijaloški prozor. Najprije unosimo potrebne podatke – Naziv ispitivanja: (BH1), Koordinate (pošto unosimo podatke za fiktivnu bušotinu, unijet ćemo [0,0]). Zatim nastavljamo s unosom individualnih slojeva. Koristite tipku "Add (to the end)" za unos prvog sloja. Uneseni sloj se prikazuje i ucrtava na desnoj strani ekrana.

New field test (borehole)	— 🗆 X
— Test parameters —	Soil profile
Test name : BH1	
Coordinate : x = 0,00 [m] y = 0,00 [m]	
Heigth : automatically on terrain 🔻 z = [m]	
Depth of 1. point : d1 = 0,00 [m]	
Overall depth : $d_{tot} = 0,00$ [m]	
✓ Field test generates soil profile	
Layers Samples Table GWT Data - Protocol Data - Test Attachments	
No. Thickness Hloubka Soil name Soil pattern Layer description	
🖶 Print log 🔮 Import 🖏 Add + Close	🕂 Add 🗙 Cancel



Neophodni podaci uključuju debljinu i dubinu sloja, naziv sloja, uzorka i boju. Opcionalni podaci su detaljni opis sloja i podaci u desnom dijelu prozora.

New table row					×
Thickness: t	t = 4,90 [m]			Data - Basic	
O Depth : fro	0,00 [m] to 4	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 -	· · · · · · · · · · · · · · · · · · ·		RQD :	-
	Search :	Background :		Notes :	Easy drilling
	Subcategory :	enter color 🔻			
	Superficial deposits (1 - 83) 🔹	•	1 Made-up ground		
Layer description :	fine grained SAND with some silt, dense, m is larger than the borehole diameter, black	ixed with cobles of concrete and piece colour of the soil	es of bricks partly the size		
					🏪 Insert 🗙 Cancel

Napomena: Podaci u desnom dijelu prozora su definirani u predlošku. Možete postaviti bilo koji broj različitih vrsta podataka (tekst, brojevi, numeracije, datum, vrijeme) – za više informacija pogledajte EM 44 – Izrada korisničkih predložaka

Klikom na tipku "Add", spremit ćete sloj i nastavljate s unosom sljedećeg.

Tla (uključujući njihove uzorke, boje i korisničke podatke) su atumatski poredana u bazi podataka programa. To je korisno ako trebate unijeti jedan sloj više puta (unutar iste ili različitih bušotina). Učitat ćemo sve podatke automatski iz prethodno spremljenih slojeva. Možete pristupiti bazi podazaka tla klikom na tipku strelice, pokraj linije s nazivom tla.

New table row					×
Thickness: t	t = 4,70 [m]			Data - Basic	
O Depth : fro	m 24,00 [m] to 28	,70 [m]	_	Stratigraphy : Ordovician	
Soil name :	Shale, slightly weathered			Classification according to EN ISO 14688-1 : -	
Soil pattern :	Pattern category :	Color:	Pattern -		
	GEPRODO -		Existing properties of layers selection		51
	Search :	Background	Soil name	Layer description :	51
	Subcategory :	enter color	Fill	coarse GRAVEL with some silt (clayey shale) and fresh angular cobles up to 15 cm, dark grey colour	
	Sedimentary rocks (101 - 184) 🔹		Gravelly clay		
Layer description :	moderate strong, fine layered, steeply inclir	ned, wet (saturated – und	Sand with trace of fines		
			Sandy clay		
			Shale, fully weathered	Log data :	
			Shale, moderately weathered	Data - Basic :	ncel
			Shale, weathered	Classification according to EN ISO 14688-1 : Gr	_
				RQD : -	
				Notes : Lasy anning	
				V OK X Cancel	



Nakon unosa svih slojeva, zatvorite prozor klikom na tipku "Cancel". Vratit ćete se na glavni prozor za unos bušotine.

📄 Edit	t field test p	oroperties (bore	hole)			- 🗆 X
— Test	parameters					Soil profile
Test na	me :	BH1				0,0
Coordin	nate : x =	0,0	0 [m] y =	0,00 [m]		1,5- FW
Heigth	: i	nput	▼ z =	0,00 [m]		3,0-
Depth o	of 1. point :		d ₁ =	0,00 [m]		4,5-
Overall	depth :		d _{tot} =	24,00 [m]		6,0-
✓ Fiel	d test gene	rates soil profil	e			Sand with trace of 3 7,5 - fines
Layers	Samples	Table GWT	Data - Protocol Data -	Test Attachments		9,0 Gravelly 0 4
No.∸	Thickness t [m]	Hloubka d [m]	Soil name	Soil pattern	Layer description + Add (to the	end) 10,5
1	4,90	0,004,90	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	e 10) E 12,0 shale fully 1 shale fully 1 13,5 Weathered 1 15,0 Shale 8
2	1,50	4,90 6,40	Fill		coarse GRAVEL with some silt (clayey shale) and fresh angular cobles up to 15 cm, dark grey colour	ve per 10) 16,5 Shale, moderately Weathered
3	2,20	6,40 8,60	Sand with trace of fine	ies	medium grained with some fine soil, dense, rust-brown	19,5- 10
4	1,00	8,60 9,60	Gravelly clay		hard, gravel particles up to 10 mm (weathered shale), brown	21,0- Shale, slightly
5	0,90	9,60 10,50	Sandy clay		hard, with some pieces of gravel (quartz) up to 50 mm dia., brown	22,5- 24,0-
🖶 Pr	int log	🔒 Import				✓ OK X Cancel

Sad ćemo preći na kartice za unos uzoraka gdje ćemo unijeti uzete uzorke. Uvijek možete vidjeti unesene uzorke u dijelu "Soil profile" na desnoj strani dijaloškog prozora.

$ \hline \begin{tabular}{ c c c c } \hline \begin{tabular}{ c c c c } \hline \begin{tabular}{ c c c c } \hline \begin{tabular}{ c c c } \hline \begin{tabular}{ c c c } \hline \begi$	Edit field test properties (borehole)	— 🗆 X
Test name: BH1 Coordinate: $x = 0,00$ [m] $y = 0,00$ [m] Height: input $v = 2 = 0,00$ [m] Depth of 1. point: $d_1 = 0,00$ [m] $v = 164d test generates soil profile Tayers Samples Table GWT Data - Protocol Data - Test Attachments No Depth from Depth to Sample type Sample index d_{min} [m] d_{max} [m]1 = 4,00 = 6,00$ disturbed 2006 2 = 11,00 undisturbed 2007 3 = 23,00 rock strength Depth to Sample index : 2095 $V = 10^{-5}$ Sample $V = 0$ (m) $V = 10^{-$	- Test parameters	Soil profile
Coordinate : $x = 0,00 \text{ [m]} y = 0,00 \text{ [m]}$ Height : input $v z = 0,00 \text{ [m]}$ Depth of 1. point : $d_1 = 0,00 \text{ [m]}$ Overall depth : $d_{off} = 24,00 \text{ [m]}$ v Field test generates soil profile Layers Samples Table GWT Data - Protocol Data - Test Attachments No.^ Depth from Depth to 2 11,00 undisturbed 2006 2 11,00 undisturbed 2007 3 23,00 rock strength 2005 Edit table row v Depth : $d = 200 \text{ [m]}$ Edit table row v Depth to Sample type : rock strength v Sample index : 2005 V Cancel V Cancel	Test name : BH1	
Height: input $z = 0,00$ [m] $3,0^{-1}$ Depth of 1. point: $d_1 = 0,00$ [m] $4,5^{-1}$ Overall depth: $d_{tot} = 24,00$ [m] $6,0^{-1}$ Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments Image: Table GWT Data - Protocol Data - Test Attachments	Coordinate : x = 0,00 [m] y = 0,00 [m]	1,5- FW
Depth of 1. point : $d_1 = 0.00$ [m] Overall depth : $d_{tot} = 24,00$ [m] \checkmark Field test generates soil profile $\boxed{2}$ Add $\boxed{2}$ Add $\boxed{2}$ Add $\boxed{2}$ Add $\boxed{2}$ Edit 1 $4,00$ $6,00$ disturbed 2086 $\boxed{2}$ $11,00$ undisturbed 2087 $\boxed{3}$ $23,00$ rock strength $\boxed{2}$ Depth to $\boxed{3}$ Sample index : 2095 $\boxed{K + 1 \ CK \ Cancel}$ $\boxed{K + 1 \ CK \ Cancel}$	Heigth : input v z = 0,00 [m]	3,0-
Overall depth : dtot = 24,00 [m] 6.0 Image: Samples Table GWT Data - Protocol Data - Test Attachments 4.00 7.5 Image: Samples Table GWT Data - Protocol Data - Test Attachments 4.00 7.5 Image: Samples Sample type Sample index 4.00 1 4.00 6.00 GReetly. 4.00 2 11,00 undisturbed 2087 7.5 Sample type 3 23,00 rock strength 2095 Tedit (number 3) Tedit (number 3) Image: Sample type: rock strength 2095 Tedit table row 1.5,5 Smale tully 1 0.0 Sample type: rock strength 1.5,5 Smale tully 1.5,5 1.0,0 wetherfed 1.5,5 Smale tully 1.5,5 Smale tully 1.5,5 1.0,0 wetherfed 1.5,5 Sample type: rock strength 1.5,5 Smale tully 1.5,5 1.0,0 Sample index: 2.095 Tock strength 1.5,5 1.5,0 Smale fedd 1.5,0 2.1,0 Shale fully Smale fully </td <td>Depth of 1. point : d₁ = 0,00 [m]</td> <td>4,5-</td>	Depth of 1. point : d ₁ = 0,00 [m]	4,5-
Field test generates soil profile Layers Samples Table GWT Data - Protocol Data - Test Attachments No.A Depth from Depth to Sample type Sample index	Overall depth : $d_{tot} = 24,00$ [m]	6,0-
Layers Samples Table GWT Data - Protocol Data - Test Attachments No. ▲ Depth from Depth to Sample type Sample index	✓ Field test generates soil profile	Sand with trace 3 7,5 - of
No.* Depth from dmin [m] dmax [m] 1 Depth to dmax [m] dmax [m] 2 Sample type Sample index Add 1 4,00 6,00 disturbed 2086 7 Edit (number 3) 3 23,00 rock strength 2095 Remove (number 3) Shale 8 Edit table row X Depth : d = 23,00 [m] Shale 9 Depth to Sample type : rock strength [m] Depth red 9 Sample type : rock strength (m] 9 9 9 0K + 1 Ch X Cancel 10,5 5 5	Layers Samples Table GWT Data - Protocol Data - Test Attachments	1 9.0 Gravelly 0 4
1 4,00 6,00 disturbed 2086 2 11,00 undisturbed 2087 3 23,00 rock strength 2095 Edit table row × Depth : d = 23,00 [m] Depth to Sample type : rock strength 8 Sample index : 2095 10,00 10,00 0K + ↑ ✓ OK X Cancel 21,00	No. Depth from Depth to Sample type Sample index 4 Add	10.5
2 11,00 undisturbed 2087 3 23,00 rock strength 2095 Edit table row × Depth : d = 23,00 Depth : d = 23,00 [m] Depth to Sample type : rock strength ▼ Sample index : 2095 15,0 Shale 8 15,0 Shale 16,5 Shale 18,0 weathered 18,0 weathered 19,5 10 21,0 Shale 0K + ↑ ✓ OK	amin [m] amax [m] - Edit 1 4,00 6,00 disturbed 2086 - Coumber 3)	E Sandy 6-ES
3 23,00 rock strength 2095 Edit table row × Depth : d = 23,00 [m] Depth to [m] Depth to Sample type : rock strength ▼ 18,0 + weathered OK + ↑ OK Cancel	2 11,00 undisturbed 2087	the fully 7
Edit table row X Depth : d = 23,00 [m] Depth to Sample type : rock strength ~ Sample index : 2095 OK + 1 OK	3 23,00 rock strength 2095	13,5-, weathered
Left table fold X Depth : d = 23,00 Depth to 16,5 - Shale. Sample type : rock strength ▼ Sample index : 2095 OK + ↑ ✓ OK< X Cancel	Edit table row Y	15,0- Shale, 8
Depth : d = 2500 [m] modefately Depth to 18,0 - weathered 19,5 - 10 Sample type : rock strength ▼ 19,5 - 10 Sample index : 2095 21,0 - Shale slightly weathered OK + ↑ ✓ OK< X Cancel		16,5- Shále, 9
□ Depth to 18,0 Sample type : rock strength ▼ Sample index : 2095 OK + ↑ ✓ OK 22,5 24,0	Depth: $d = \frac{23,00}{[m]}$	moderately weathered
Sample type : rock strength ▼ Sample index : 2095 OK + ↑	Depth to	18,0
Sample index : 2095 21,0 - Shale slightly weathered OK + ↑ ✓ OK X Cancel	Sample type : rock strength 💌	19,5-10
OK + ↑ ✓ OK X Cancel 22,5 24,0 24,0 24,0 24,0	Sample index : 2095	21,0- Shale, slightly
		22,5-
		24,0
🖶 Print log 🛛 💾 Import 🗸 🗸 Cancel	🛱 Print log 🛛 🖻 Import	V OK X Cancel



Na isti način unesite razinu podzemne vode.

Edit field test properties (borehole)		- 🗆 X
— Test parameters —		Soil profile
Test name : BH1		0,0
Coordinate : x = 0,00 [m]	y = 0,00 [m]	1,5- FW
Heigth : input	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 7,5 - of
Layers Samples Table GWT Data - Proto	col Data - Test Attachments	9,0 Gravelly 4
No.∞ Depth GWT type	GWT description Default 4 Add	10.5
1 12,50 GWT steady	Comparison of the second	E Sandy 6-ES
2 15,80 GWT bored	O Remove	Shale, fully
	(number 2)	13,5-weathered
Edit table	row X	15,0 Shale, 8
Depth :	d = 15,80 [m]	16,5- Shale, 9 moderately
GWT type	e: GWT bored 🔻	18,0- weathered
GWT des	cription : GWT	19,5-
		21,0-,Shale, slightly
		22,5-
		24,0
🖶 Print log 🛛 💾 Import		✓ OK X Cancel

Dodat ćemo opcionalne (korisnički definirane) podatke o bušotini, za ispis protokola.

🛢 Edit field tes	it properties (borehole)	— 🗆 X
— Test paramete	ers	Soil profile
Test name :	BH1	
Coordinate : x =	0,00 [m] y = 0,00 [m]	1,5- F00
Heigth :	input v z = 0,00 [m]	3,0-
Depth of 1. poin	ıt : d ₁ = 0,00 [m]	4,5-
Overall depth :	d _{tot} = 24,00 [m]	6,0 - Fill
✓ Field test ge	nerates soil profile	Sand with trace 3 7,5 - of
Layers Sample	es Table GWT Data - Protocol Data - Test Attachments	9,0 Gravelly 4
Annex no. :	A.1G	10.5
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 :	23.11.2017	18,0- weathered
Foreman :	Mr. Young	19,5-10
		21,0-Shale, slightly
		weátheréd 22,5-
		24.0
	Almost	
Print log	- import	V CK 👗 Cancel

GE05

Napomena: Podaci su definirani u predlošku. Možete definirati bilo koji broj različitih vrsta podataka (tekst, brojevi, numeracije, datum, vrijeme) – za više informacija pogledajte EM 44 – Izrada korisničkih predložaka

Možemo postaviti slike ili PDF dokumente u odjeljku za privitke. Kliknite na tipku "Load" i učitajte željenu sliku.

Edit field test properties (borehole)	— 🗆 X
- Test parameters	Soil profile
Test name : BH1	0,0
Coordinate : x = 0,00 [m] y = 0,00 [m]	1,5- F00
Heigth : input v z = 0,00 [m]	3,0-
Depth of 1. point : d1 = 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	9.0 - Green A
No. 🔺 Name Type Size [B] Pages 🛃 Load	
🕂 Add	E Sandy 6-E3
E Load attachments	×
\leftarrow \rightarrow \checkmark \uparrow \checkmark Tento počítač \Rightarrow Plocha \Rightarrow Attachments \checkmark \circlearrowright	Prohledat: Attachments 🔎
Uspořádat 🔻 Nová složka	\$ T ()
osobní ^ 💽 Core	
Práce CPT	
CneDrive	ADDITION OF THE OWNER
💻 Tento počítač	
Název souboru: Core ~	All images (*.jpg;*.jpeg;*.jpe;*.p ∨
뮵 Pr	Otevřít Zrušit

Otvaramo sliku u "Edit image" prozoru i nosimo naziv i opis.

₿ Edit image		22	
	Page : Rotation : -45 Refie : Contrast : -100 Brightness : -100	1 / 1 (1) 0,00 × 1 0 × 0 0 × 0 0 0 × 0 0 0 × 0 0 0 0 0 0 0 0 0 0 0 0 0 0	45
	Copy	Paste	
	🐣 Load	Clear	
Image name : Core - overall photography			
Page name :			
Page description :			
Original filename : C:\Users\Dan\Desktop\Attachments\Core.PNG			
	OK -	🔸 🧹 ОК	X Cancel

GE05

U ovom prozoru možemo urediti sliku. Ponovno učitavamo istu sliku. Rotiramo sliku za 180 stupnjeva i ubližimo dio s uzorcima iznad 27 m dubine. Također možemo pormijeniti kontrast i svjetlinu. Koristeći tipku "Apply changes permanently", spremate promijenjenu sliku u novi privitak.



U popisu privitaka možemo vidjeti da je drugi privitak puno manji zbog rezanja. Ovo također može pomoći u smanjenju veličine datoteke, jer svi učitani privici postaju dio nje.

Edit field test properties (borehole)		— 🗆 X
- Test parameters		Soil profile
Test name : BH1		0,0
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 7,5 - of
Layers Samples Table GWT Data - Protocol Data - Test Attachments		9.0 Geveliv 9.0
No. A Name Type	Size [B] Pages 🔁 Load	10 5
1 Core - overall photography PNG 2 Core - detail PNG	1 974 911 1 277 527 1	E Sandy 6-ES
	- Edit	f 12,0 Shale, fully 7
		13,5-Weathered
	(number 2)	15,0-Shale, 8
		16,5- Shale, 9
		18,0- weathered
		19.5-
		weathered
		22,5-
		24,0
🖶 Print log 🔒 Import		V OK X Cancel

GE05

Na taj način smo završili bušotinu BH1 – klikom na tipku "Print protocol", a sad ćemo je ispisati. Ako smo zadovoljni rezultatom, kliknut ćemo na "OK" da bismo je spremili.



Prelazimo na **penetracijski test**. Uvest ćemo ga direktno iz datoteke, u xls formatu, koju smo dobili od geologa.







Koristite opciju "Import data" da biste odabrali datoteke koje želite uvesti. Zatim uvezite datoteku.

Napomena: Velik broj različitih formata se mogu koristiti prilikom uvoza – specifični formati ispitivanja (npr. .cpt, .gef, .ags...za CPT) se uvoze direktno koristeći tipku "Import". Osnovni tablični podaci (npr. xls) se mogu uvesti u CPT u dijaloškom prozoru "New field test (CPT)". Detaljne informacije kako ispravno uvesti tablične podatke mogu se naći u EM 27 (Uvoz podataka u TXT formatu), IM47 (Izvoz i uvoz podataka terenskih ispitivanja u Stratigrafiji) ili u pomoći programa: https://www.finesoftware.eu/help/geo5/en/table-data-import-01/



Nakon uspješnog uvoza, prikazane su izmjerene vrijednosti. Nakon toga unosimo naziv i koordinate ispitivanja.









Dodat ćemo još jednu sliku (CPT uređaj) i unijeti naziv i opis.

Edit field test properties (cone penetra	tion test)			- 🗆 X
- Test parameters		Cone resistance	Local friction	Pore pressure
Test name : CPT1		0,00	0,000	0,00
Coordinate : x = 10,00 [m]	y = 20,00 [m]	1.10-	1 10	1 10
Heigth : input	▼ z = 0,00 [m]	1,65-	1,65	1.65
Depth of 1. point :	d ₁ = 0,00 [m]	2,20	2,20	2,20
Overall depth :	d _{tot} = 10,00 [m]	2,75-	2,75	2,75
 Field test generates soil profile 		3,30-	3,30	3,30
Table CPT Data - Protocol Data - Test	Attachments	3,85	3,85-	3,85
No. A Name	Type Size [B] Pages 🔁 Load	F 4,40-	= 4,40	- 4,40
	 ⇒ i oda attachments → i o ocitač > Plocha > Attachments Uspořádat v Nová složka i osobní i osobní i ore i ore<!--</th--><th>ents</th><th> ✓ Ŏ Prohledat ✓ All imag </th><th>× : Attachments</th>	ents	 ✓ Ŏ Prohledat ✓ All imag 	× : Attachments
			<u>O</u> tev	řít Zrušit]
🖶 Print log 🔒 Import 🕴 🧲 Ca	alculate u2			V OK X Cancel





Na kraju ispisat ćemo protokol klikom na tipku "Print protocol". Ovaj puta ćemo ispisati sliku u A4 formatu.

