DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **31.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F1** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.17 m**
GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762150 **E** 21.252772 **Y (N)** 480456.28 **X (E)** 208733.75

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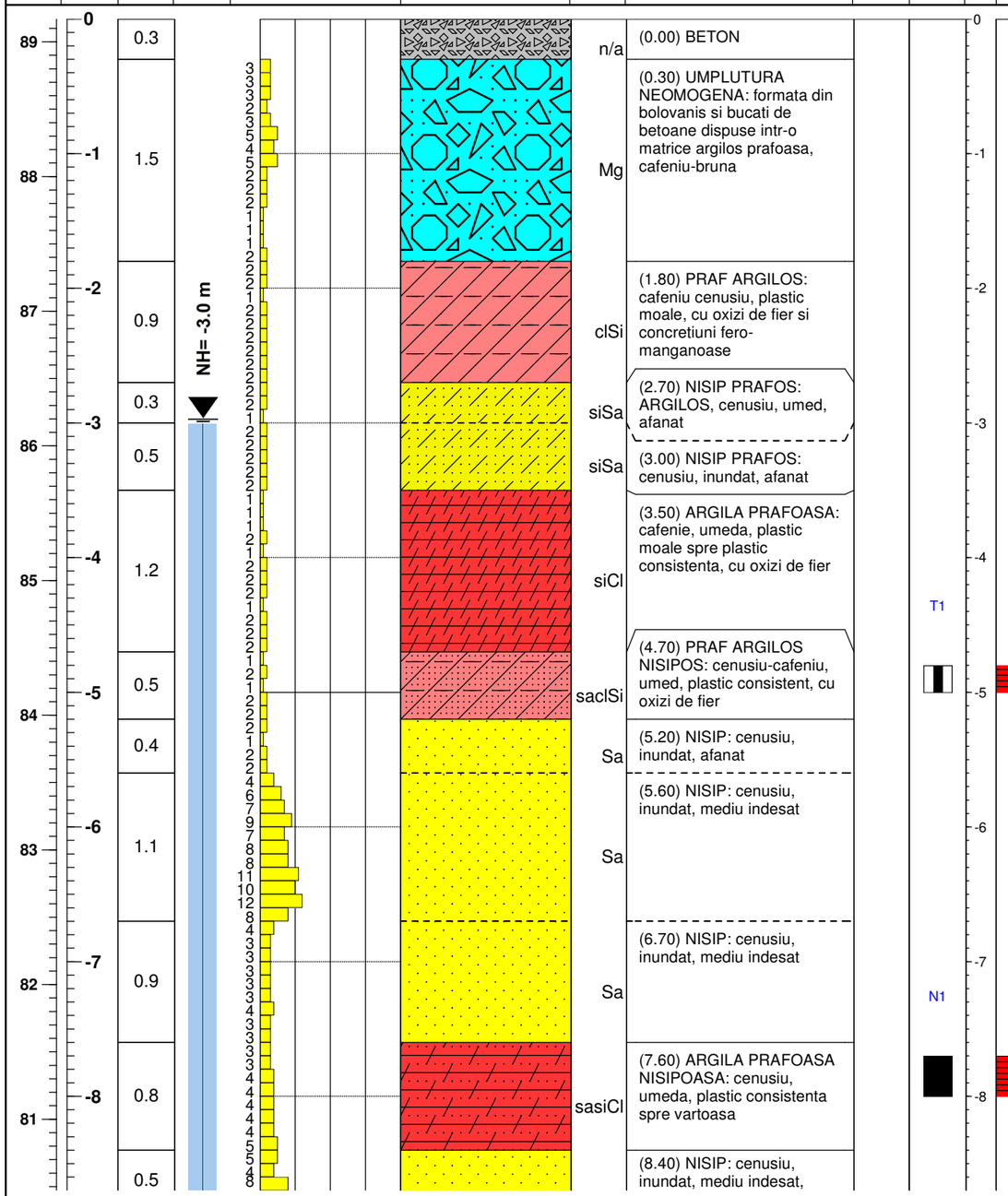

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
89	0	0.3				n/a	(0.00) BETON			0	Argila / *Clay*																		
							(0.30) UMPLUTURA NEOMOGENA: formata din bolovanis si bucati de betoane dispuse intr-o matrice argilos prafoasa, cafeniu-bruna				Praf / *Silt*																	
		1.5				Mg					Nisip / *Sand*																		
88	-1										Pietris / *Gravel*																		
											Bolovanis / *Cobbles*																		
		0.9				clSi	(1.80) PRAF ARGILOS: cafeniu cenusiu, plastic moale, cu oxizi de fier si concretiuni fero-manganoase									0.5	16.57	46.14	0.86				4.41			13	15	
87	-2																												
		0.3				siSa	(2.70) NISIP PRAFOS: ARGILOS, cenusiu, umed, afanat										13.64	46.81	0.88			0.16	5.21			22		
	-3	0.5				siSa	(3.00) NISIP PRAFOS: cenusiu, inundat, afanat										13.73	45.81	0.85			0.18	5.51			23		
86																													
		1.2				siCl	(3.50) ARGILA PRAFOASA: cafenie, umeda, plastic moale spre plastic consistenta, cu oxizi de fier									0.53	16.18	47.2	0.9				3.93			14	13	
85	-4																												
		0.5				saclSi	(4.70) PRAF ARGILOS NISIPOS: cenusiu-cafeniu, umed, plastic consistent, cu oxizi de fier		T1		Cl=18, Si=41.22, Sa=38.54, Gr=2.24, Co=0	*19.24*	*30.82*	*9.82*	*21.00*	*0.55*	16	46.41	0.87				3.98			14	13	
84	-5																												
		0.4				Sa	(5.20) NISIP: cenusiu, inundat, afanat										18.31	46.81	0.88			0.17	5.28			22		
		1.1				Sa	(5.60) NISIP: cenusiu, inundat, mediu indesat										19.26	38.65	0.63			0.44	10.65			30		
83	-6																												
		0.9				Sa	(6.70) NISIP: cenusiu, inundat, mediu indesat		N1		Cl=25, Si=43.18, Sa=31.82, Gr=0, Co=0	*21.59*	*43.59*	*15.43*	*28.16*	*0.78*	*20.05*	*36.80*	*0.58*	*0.99*			*8.00*	*3.45*		*4.40*	*75.00*	
82	-7																18.56	43.59	0.77			0.25	6.59			25		
		0.8				sasiCl	(7.60) ARGILA PRAFOASA NISIPOASA: cenusiu, umeda, plastic consistenta spre vartoasa																						
81	-8																												
		0.5					(8.40) NISIP: cenusiu, inundat, mediu indesat,										19.02	39.97	0.67			0.38	9.24			29		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **31.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F1** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.17 m**
GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762150 **E** 21.252772 **Y (N)** 480456.28 **X (E)** 208733.75

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*

Adancime	Grosime	Simbol	Descriere litologica	Probe	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	$M_{200-300}$	ε_2	Im3	$\varnothing$	c
0.00	3.90	Sa	(8.90) NISIP: cenusiu, inundat, mediu indesat							19.7	34.92	0.54		0.54	13.48			33	
3.90	0.20	Or	(12.80) TURBA: negricoasa, cu descompunere mederata (vizibile bucati de lemn partial descompus), compresibila, cu miros de mucegai, cu pasta amorfa avand partea minerala de granulozitate nisip prafos cu pietris	T2	197.58						32.38	0.48							
4.10	3.30	Sa	(13.00) NISIP: cenusiu, inundat, mediu indesat							20.12	32.72	0.49		0.63	16.55			36	
7.40	8.90		(16.30) ARGILA PRAFOASA NISIPOASA: cenusie, plastic consistenta, cu concretiuni calcaroase si rara fractiune de pietris	N2	27.86	46.48	18.98	27.51	0.68	18.91	43.30	0.76	0.97		5.63	4.93		16.50	39.00

Cl=4, Si=14.56, Sa=61.28, Gr=20.16, Co=0

Cl=30, Si=41.3, Sa=28.7, Gr=0, Co=0

acvifer freatic

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **31.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F1** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.17 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762150 **E** 21.252772 **Y (N)** 480456.28 **X (E)** 208733.75

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana *GW* NH / atinsa / *GWL*	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIERE*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Dsitributie granulometrica *Particle size distribution*: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*

TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*: tip / *type:* DPH; H= 50 cm, G=50 kg; S con= 15 cm2

Cota absoluta	Adancime	Grosime	Simbol	Probe	Adancime	Dsitributie granulometrica	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	Compresibilitate in edometru M200-300	Rezistenta la forfecare ∅	Rezistenta la forfecare c	Observatii
71	-18	3.1	sasiCl		-18															
70	-19	0.6	Cl	T3	-19	Cl=41, Si=46.84, Sa=11.94, Gr=0.22, Co=0	22.43	47.82	16.66	31.16	0.82	19	36.9	0.98			10.25	20	45	
69	-20				-20															
68	-21				-21															
67	-22				-22															
66	-23				-23															
65	-24				-24															
	-25				-25															

(19.40) ARGILA: cenusiu-cafenie, plastic vartoasa, cu concretiuni calcaroase si zone feruginoase

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **27.28.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota raportata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F2** **Adancime totala** / *TD:* **12 m**
Cota forajului / *Borehole level:* **89.66 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762282 **E** 21.252123 **Y (N)** 480453.53 **X (E)** 208683.97

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Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution*	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	(kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε_2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
m	m	m	m	N 10				-	*environ.*	m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
	0	0.2				n/a	(0.00) BETON																					
							(0.20) UMPLUTURA NEOMOGENA: formata din bolovanis, bucati de betoane si caramida, dispuse intr-o matrice nisipos prafoasa, cafeniu inchisa				Cl=18, Si=56.38, Sa=22.62, Gr=3, Co=0																
89	-1	1.8				Mg			T1																			
							(2.00) PRAF ARGILOS NISIPOS: cafeniu-cenusiu, plastic moale, bogat in oxizi de fier					*28.77*	*38.18*	*16.46*	*21.73*	*0.43*											
88	-2					saclSi			T2		Cl=0, Si=1.87, Sa=97.71, Gr=0.42, Co=0						17.95	43.83	0.78			7.73			25		
		1																										
87	-3		NH= -3.0 m				(3.00) NISIP: cafeniu, inundat, afanat										18.35	45.81	0.85		0.18	5.51			28		
		0.5				Sa																						
							(3.50) ARGILA PRAFOASA: cafeniu-cenusie, umeda, plastic consistenta, cu zone feruginoase																				
86	-4																											
									N1		Cl=22, Si=59.98, Sa=18.02, Gr=0, Co=0																	
85	-5	2				siCl						*22.57*	*38.85*	*13.52*	*25.33*	*0.64*	*18.71*	*41.50*	*0.71*	*0.85*		*6.66*	*3.90*		*10.80*	*57.00*		
84	-6						(5.50) NISIP: cafeniu-cenusiu, inundat, mediu indesat										19.07	40.04	0.67		0.4	9.51			31		
		1.8				Sa																						
83	-7																											
							(7.30) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta																				
82	-8								N2		Cl=21, Si=42.72, Sa=35.46, Gr=0.82, Co=0																	
		0.9				sasiCl						*21.24*	*34.29*	*13.73*	*20.57*	*0.63*	*19.72*	*37.70*	*0.60*	*0.93*		*5.06*	*4.93*		*10.10*	*49.00*		
							(8.20) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta																				
81		0.8	reatic			sasiCl																						

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **27.28.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F2** **Adancime totala** / *TD:* **12** **m**
Cota forajului / *Borehole level:* **89.66 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762282 **E** 21.252123 **Y (N)** 480453.53 **X (E)** 208683.97

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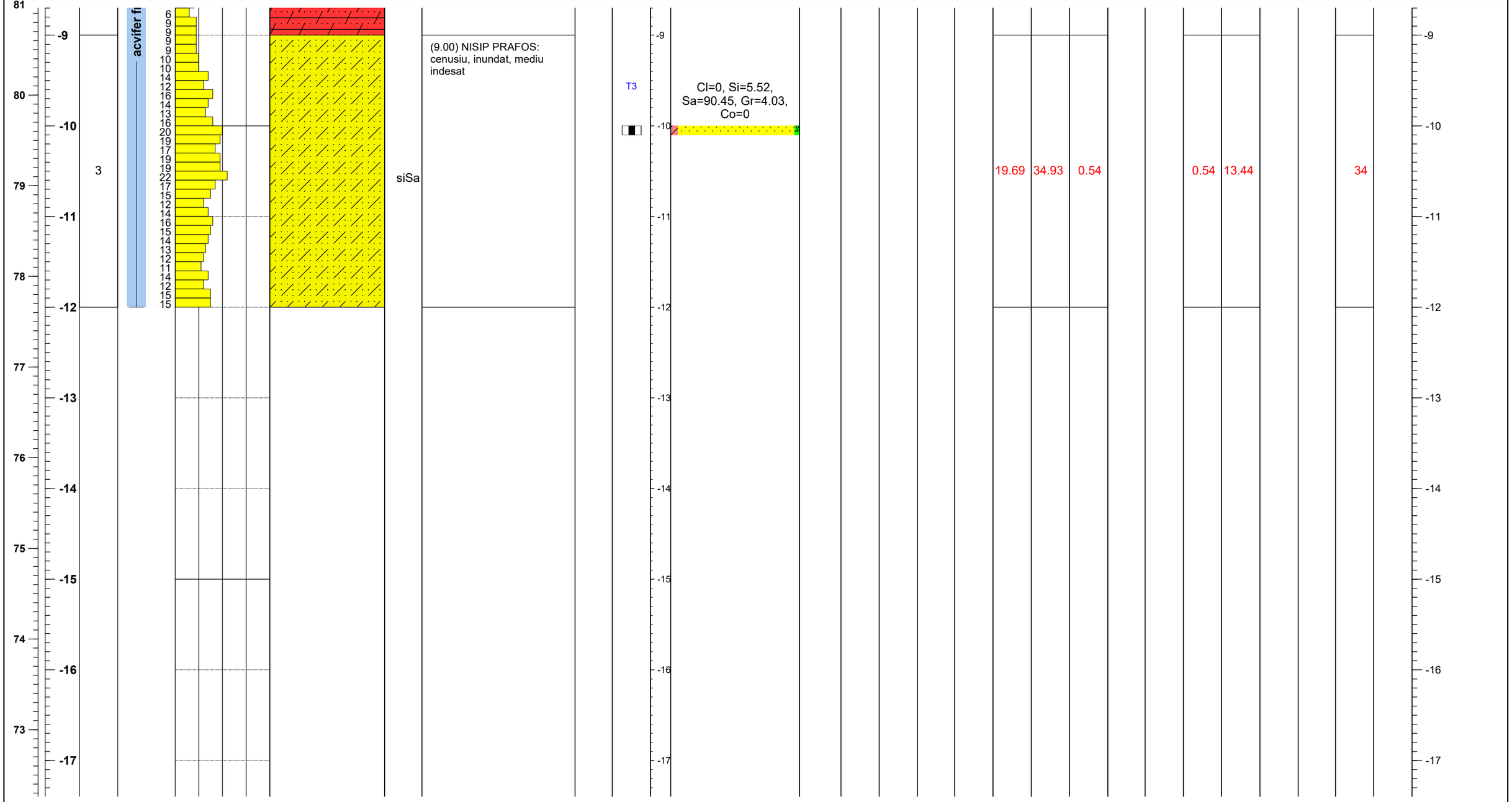
Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* atinsa / NH / *GWL*	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

tip / *type:* DPH
H= 50 cm, G=50 kg
S con= 15 cm2

tulburata *disturbed*
NEtulb. *UNdist.*
mediu *environ.*

Argila / *Clay*
Praf / *Silt*
Nisip / *Sand*
Pietris / *Gravel*
Bolovanis / *Cobbles*



NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **31.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F3** **Adancime totala** / *TD:* **20** **m**
Cota forajului / *Borehole level:* **89.09 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762786 **E** 21.250789 **Y (N)** 480523.22 **X (E)** 208577.63

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0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*

TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*: tip / *type:* DPH; H= 50 cm, G=50 kg; S con= 15 cm2

Cota absoluta / relativa	Adancimea	Grosimea	Simbol	Descriere litologica	Probe	Cl=7, Si=27.42, Sa=64.58, Gr=1, Co=0	W	WL	Wp	Ip	Ic	kN/m3	n	e	Sr	k	Id	$M_{200-300}$	ε_2	Im3	$\varnothing$	c	Observatii
89	0	0.2	n/a	(0.00) BETON																			
				(0.20) UMPLUTURA NEOMOGENA: formata din bucati de caramida si pietris, dispuse intr-o matrice argilos prafos nisipoasa, cafeniu inchisa																			
88	-1	1.5	Mg		T1																		
87	-2	0.8	siSa	(1.70) NISIP PRAFOS: cafeniu, umed, afanat								13.93	44.56	0.81			0.22	6.17			29		
		0.5	siSa	(2.50) NISIP PRAFOS: cafeniu, umed apoi inundat, afanat								18.62	43.07	0.76			0.27	6.93			29		
86	-3	0.4	siSa	(3.00) NISIP PRAFOS: cafeniu, inundat, afanat								18.4	45.33	0.83			0.2	5.73			28		
		0.4	siSa	(3.40) NISIP PRAFOS: cafeniu, inundat, afanat	T2	Cl=5, Si=17.7, Sa=75.78, Gr=1.52, Co=0						18.18	48.82	0.95			0.12	4.61			28		
85	-4	0.3	siSa	(3.80) NISIP PRAFOS: cafeniu, inundat, afanat								18.63	43	0.76			0.27	6.99			29		
		0.9	siSa	(4.10) NISIP PRAFOS: cafeniu, inundat, afanat								18.24	47.61	0.91			0.14	4.91			28		
84	-5	0.4	Cl	(5.00) ARGILA: cenusie, saturata, plastic moale	T3	Cl=11, Si=45.08, Sa=43.68, Gr=0.24, Co=0										0.35	17.06	44.46	0.8		5.61		14	18	
		0.6	saclSi	(5.40) PRAF ARGILOS NISIPOS: cafeniu, saturat, plastic moale			20.07	25.33	13.53	11.80	0.45												
83	-6	0.6	Sa	(6.00) NISIP: cenusiu, inundat, mediu indesat,								19.14	40.47	0.68			0.42	9.95			31		
		1.3	saclSi	(6.60) PRAF ARGILOS NISIPOS: cenusiu, saturat, plastic consistent	N1	Cl=17, Si=39.6, Sa=43.4, Gr=0, Co=0	19.56	29.53	10.50	19.03	0.52	19.76	36.70	0.57	0.90		6.78	3.80			15.70	26.00	
81	-8	0.6	saclSi	(7.90) PRAF ARGILOS NISIPOS: cenusiu, saturat, plastic consistent								0.5	19.14	37.03	0.6			6			15	20	
				(8.50) NISIP: cenusiu,																			

NH= -3.0 m

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **31.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / **100%**
Cota raportata fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F3** **Adancime totala** / *TD:* **20** **m**
Cota forajului / *Borehole level:* **89.09 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762786 **E** 21.250789 **Y (N)** 480523.22 **X (E)** 208577.63

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RO 15984400, J35/2932/2003
0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* atinsa NH / *GWL*	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
80	-9			12 9 10 9 7			inundat, mediu indesat,			-9																		
79	-10			12 10 10 10 12 12 12 12 10 10 13 14 6 14 23 21 15 16 14 17 15 15 17 10 18 14 17 16 14						-10																			
78	-11			14 16 16 19 10 14 10 13 16 20 18 22 19 21 18 18 22 18 20 22 22 15 17 20 18 16 13					T4	-11	Cl=0, Si=3.78, Sa=95.23, Gr=0.99, Co=0																		
77	-12	7.5	acvifer freatic	20 37 23 21 18 20 17 17 14 12 11		Sa				-12							19.75	34.77	0.53				0.56	13.87		34		
76	-13			10 13 14 15 17 16 18 16 18 18 19						-13																		
75	-14			17 14 16 18 16 18 19			(16.00) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta		N2	-14	Cl=30, Si=35.98, Sa=33.18, Gr=0.84, Co=0																		
74	-15			17 18 20 17 16 18 16 18 17						-15																		
73	-16	2		19 18 17 14 17		sasiCl				-16		23.72	45.45	13.14	32.31	0.67	18.16	43.70	0.77	0.81			5.40	3.20		28.50	41.00	
72	-17									-17																		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **31.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F3** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.09 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762786 **E** 21.250789 **Y (N)** 480523.22 **X (E)** 208577.63

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana *GW* atinsa / NH / *GWL*	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST* tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*	Adancime / *Depth*	Dsitribuitie granulometrica *Particle size distribution* Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test* M200-300	ε2	Im3	Rezistenta la forfecare *Shear strength* ∅	c	Observatii / *Remarks*
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
		1.7				Sa	(18.00) NISIP: cenusiu, inundat, indesat											20	29.33	0.42			0.78	12			39		
		0.3				Cl	(19.70) ARGILA: cenusie, plastic vartoasa, umeda, cu zone feruginoase									0.84		20	28.62	0.4				10.21			30	50	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **02.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* 5788-F4 **Adancime totala / *TD:* 25 m**
Cota forajului / *Borehole level:* 89.90 m

GPS **Pozitie / *Position:*** **STEREO 70**
N 45.762064 **E** 21.252251 **Y (N)** 480442.19 **X (E)** 208690.95

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* / Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	ϒ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-	m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
89	0	0.2				n/a	(0.00) BETON																					
		0.8				Mg	(0.20) UMPLUTURA NEOMOGENA: formata din pietris si bucati de caramida, dispuse intr-o matrice argiloasa, cenusie																					
	-1	0.4				sasiCl	(1.00) ARGILA PRAFOASA NISIPOASA: cafenie, plastic moale, cu oxizi de fier								0.38	16.67	44.57	0.81				4.99			12	16	
		0.4				sasiCl	(1.40) ARGILA PRAFOASA NISIPOASA: cafenie, plastic moale, cu oxizi de fier								0.42	18.04	43.64	0.78				8.1			12	26	
88	-2	0.7				MSa	(1.80) NISIP MIJLOCIU: cafeniu, putin umed, afanat, cu oxizi de fier		T1	Cl=32, Si=53.66, Sa=14.34, Gr=0, Co=0						14.26	42.6	0.74			0.29	7.29			29		
		0.3				siCl	(2.50) ARGILA PRAFOASA: cenusiu-cafenie, plastic consistenta, cu concretiuni calcaroase si zone feruginoase								0.63	18.93	42.04	0.73				10.8			13	35	
87	-3	0.6				siCl									0.53	17.95	43.64	0.77				7.91			13	26	
		0.3				siCl	(2.80) ARGILA PRAFOASA: cenusiu-cafenie, plastic consistenta, cu concretiuni calcaroase si zone feruginoase								0.54	16.67	45.81	0.85				4.99				16	
86	-4	0.7				MSa										18.54	43.74	0.78			0.24	6.52			29		
		0.3				MSa	(3.40) ARGILA PRAFOASA: cenusiu-cafenie, saturata, plastic consistenta, cu concretiuni calcaroase si zone feruginoase									18.94	39.83	0.66			0.36	8.77			31		
85	-5	0.5				sasiCl									0.73	20.3	39.24	0.65				15.56			15	61	
		1.1				MSa	(3.70) NISIP MIJLOCIU: cafeniu, inundat, afanat, cu oxizi de fier (4.40) NISIP MIJLOCIU: cafeniu, inundat, afdant spre mediu indesat, cu oxizi de fier									19.24	38.6	0.63			0.44	10.56			32		
84	-6	0.7				MSa	(4.70) ARGILA PRAFOASA NISIPOASA: cafenie, saturata, plastic consistenta, cu oxizi de fier									18.71	41.96	0.72			0.29	7.41			30		
83	-7	0.6				sasiCl	(5.20) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat,								0.6	20.69	43.01	0.75				10.4			16	33	
		0.4				sasiCl	(6.30) NISIP MIJLOCIU: cenusiu, inundat, afanat								0.73	22.26	39.32	0.65				13.96			16	55	
82	-8						(7.00) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta (7.60) ARGILA PRAFOASA NISIPOASA: cenusie,																					

NH= -3.1 m

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **02.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F4** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **89.90 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762064 **E** 21.252251 **Y (N)** 480442.19 **X (E)** 208690.95

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Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST* tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2 (N 10)	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol* (-)	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY* (-)	Probe *Samples* (-)	Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution* (20% 20% 20% 20% 20%)	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	(kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε_2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
81	-9	2		12 12 14 10 13 13 14 14 12 13 11 12 12		siSa	umeda, plastic consistenta (8.00) NISIP PRAFOS: cenusiu, inundat, mediu indesat		T2	-9	Cl=0, Si=5.1, Sa=75.44, Gr=19.46, Co=0						19.51	36.23	0.57			0.5	12.21			33		
80	-10	0.5		12 14 14 16 20 23 12		siSa	(10.00) NISIP PRAFOS: cenusiu, inundat, mediu indesat			-10							19.88	33.76	0.51			0.58	14.75			35		
79	-11	1.5		12 10 12 12 12 13 13 12 11 11 9		siSa	(10.50) NISIP PRAFOS: cenusiu, inundat, mediu indesat			-11							19.46	36.66	0.58			0.49	11.93			33		
78	-12			10 8 7 8 9 14 8 16 10			(12.00) NISIP PRAFOS: cenusiu, inundat, mediu indesat			-12																		
77	-13	1.7		8 4 6 6 9 10 7 8		siSa				-13							19.29	38.34	0.62			0.45	10.83			32		
76	-14	0.3		10 12 16		sasiCl	(13.70) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic vartoasa,			-14						0.84	22.06	34.34	0.52				25.27			20	55	
		1.2		20 20 20 20 18 16 17 17 15	acvifer freatic	MSa	(14.00) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat										19.9	33.69	0.51			0.53	14.87			35		
75	-15	0.7		12 8 8 10 9 10 10 10		MSa	(15.20) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat			-15							19.34	37.75	0.61			0.43	11.14			32		
74	-16			9 10 13 12 11 12 12 12 13 15 14 17 20 15 17			(15.90) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic vartoasa, bogata in oxizi de fier si concretiuni calcaroase		N1	-16	Cl=30, Si=39.28, Sa=29.7, Gr=1.02, Co=0																	
73	-17									-17		*16.61*	*50.51*	*10.26*	*40.25*	*0.84*	*19.00*	*37.60*	*0.60*	*0.73*			*12.90*	*2.45*		*29.00*	*56.00*	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **02.07.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F4** **Adancime totala** / *TD:* **25** **m**
Cota forajului / *Borehole level:* **89.90 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762064 **E** 21.252251 **Y (N)** 480442.19 **X (E)** 208690.95

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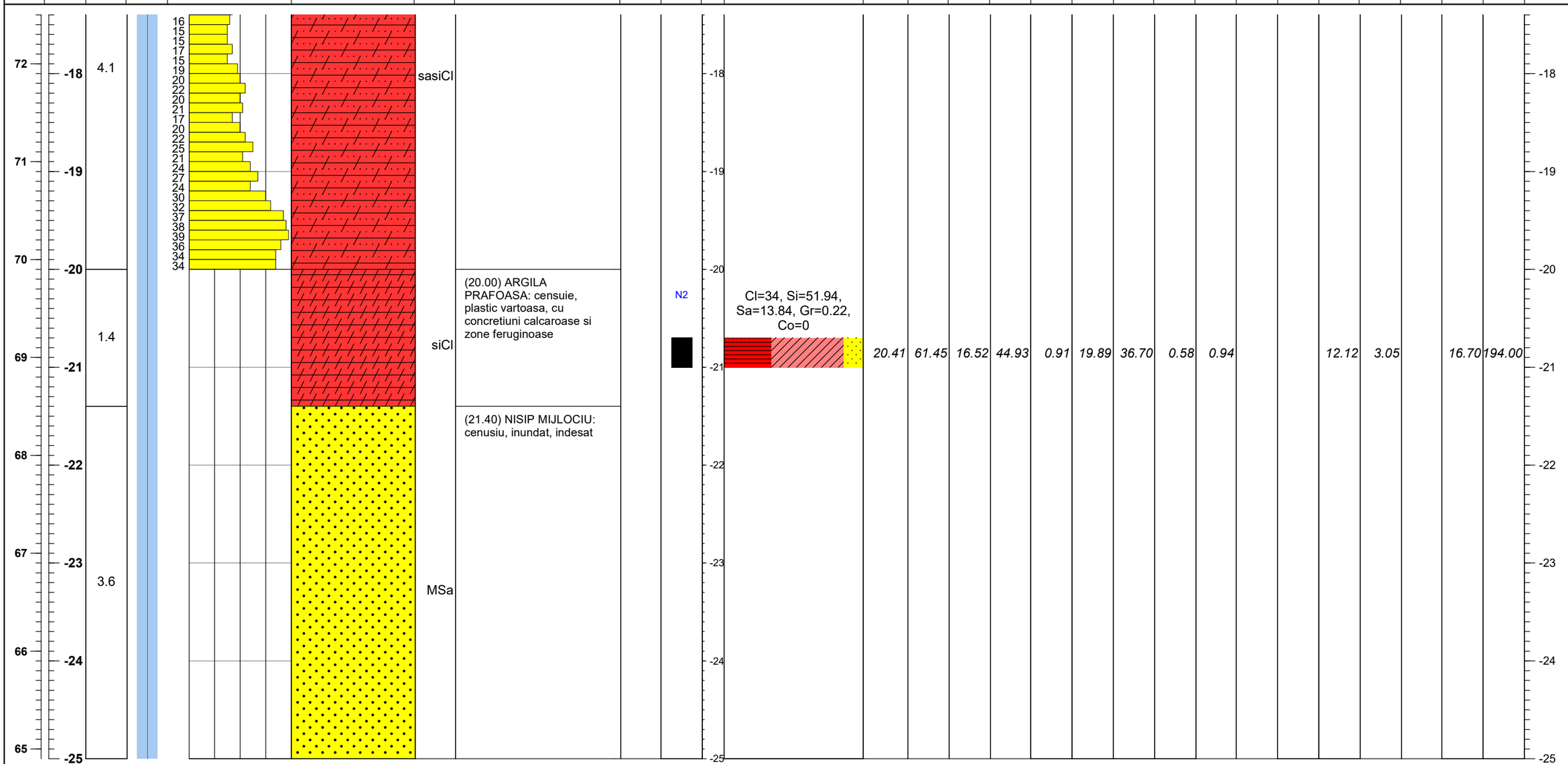

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **01.09.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F5** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **88.80 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762759 **E** 21.252225 **Y (N)** 480512.07 **X (E)** 208692.51

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* / Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-	environ. m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Dsitributie granulometrica *Particle size distribution*: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*

Grosimea	Adancime	Simbol	Descriere litologica	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	$M_{200-300}$	ε_2	Im3	$\varnothing$	c
0.2	0.2	n/a	(0.00) BETON																
1.8	2.0	Mg	(0.20) UMPLUTURA NEOMOGENA: formata din bucati de caramida, dispuse intr-o matrice argilos prafos nisipoasa, negricoasa-cenusie, cu oxizi de fier																
1.1	3.1	saCl	(2.00) ARGILA NISIPOASA: cenusie, umeda, plastic moale, cu oxizi de fier					0.45	16.67	46.25	0.86				4.99			13	16
0.4	3.5	Sa	(3.10) NISIP: cenusiu, umed, afanat						18.48	44.36	0.8			0.22	6.17			29	
0.9	4.4	siCl	(3.50) ARGILA PRAFOASA: cenusiu-cafenie, saturata, plastic consistenta, cu concretiuni fero-manganoase	23.72	43.84	14.74	29.10	0.69											
0.4	4.8	Sa	(4.40) NISIP: cenusiu, inundat, afanat						18.48	44.36	0.8			0.22	6.17			29	
1	5.8	Sa	(4.80) NISIP: cenusiu, inundat, mediu indesat						19.16	39.34	0.65			0.42	10.04			31	
0.7	6.5	Sa	(5.80) NISIP: cenusiu, inundat, afanat						18.52	43.94	0.78			0.24	6.39			28	
0.4	6.9	saclSi	(6.50) PRAF ARGILOS NISIPOS: cenusiu, saturat, plastic consistent, cu oxizi de fier si concretiuni manganoase					0.6	18.24	42.91	0.75				8.73			17	28
0.6	7.5	saclSi	(6.90) PRAF ARGILOS NISIPOS: cenusiu, saturat, plastic consistent, cu oxizi de fier si concretiuni manganoase					0.66	19.32	41.13	0.7				9.97			17	40
0.7	8.2	siSa	(7.50) NISIP PRAFOS: cenusiu, inundat, mediu indesat						19.1	39.52	0.65			0.41	9.7			31	
			(8.20) NISIP PRAFOS: cenusiu, inundat, mediu																

NH= -2.50 m

N1

Cl=34, Si=46.62, Sa=19.38, Gr=0, Co=0

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **01.09.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F5** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **88.80 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762759 **E** 21.252225 **Y (N)** 480512.07 **X (E)** 208692.51

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Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution* 20% 20% 20% 20% 20%	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	(kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε_2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
m	m	m	m	N 10				-	environ.	m		%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
80	-9			tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2			indesat		tulburata *disturbed* NEtulb. *UNdist.* mediu	-9	Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																	
79	-10	4.3				siSa			T2	-10	Cl=0, Si=5.82, Sa=90.06, Gr=2.12, Co=0						19.66	35.13	0.54			0.54	13.24			34		
78	-11									-11																		
77	-12						(12.50) NISIP: cenusiu, inundat, mediu indesat, cu rar pietris			-12																			
76	-13									-13																		
75	-14									-14																		
74	-15								T3	-15	Cl=0, Si=2.32, Sa=91.16, Gr=6.53, Co=0																	
73	-16	7.5				Sa				-16							20.32	31.23	0.46			0.66	18.06			37		
72	-17									-17																		

acvifer freatic

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **01.09.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / **100%**
Cota raportata la fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F5** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **88.80 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762759 **E** 21.252225 **Y (N)** 480512.07 **X (E)** 208692.51

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Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST* tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2 (N 10)	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol* (-)	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY* (-)	Probe *Samples* tulburata *disturbed* / NEtulb. *UNdist.* / mediu *environ.*	Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution* 20% 20% 20% 20% 20%	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	(kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε_2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
71	-18			26 27 28 27 27 27 28 28 28 28 27 29 29 28 30 30 31 33 34 34 35 34 33 34 35 35 36						-18	Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																	
70	-19									-19																		
69	-20								N2	-20	Cl=40.5, Si=40.12, Sa=19.38, Gr=0, Co=0																	
68	-21	1.6				Cl	(20.00) ARGILA: cenusiu-cafenie, umeda, plastic vartoasa, cu oxizi de fier, concretiuni manganoase si calcaroase			-21		*21.46*	*58.00*	*16.26*	*41.73*	*0.88*	*19.65*	*39.40*	*0.64*	*0.90*						*6.60*	*190.00*	
67	-22									-22																		
66	-23	3.4				Sa	(21.60) NISIP: cenusiu, inundat, indesat			-23																		
65	-24									-24																		
64	-25									-25																		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **22.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **Atlas Copco Cobra PROe**
Metoda de forare / *Drilling method:* **RKS1/2**
Recuperaj mediu / *Core recovery:* **100%**
Cota raportata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F6** **Adancime totala** / *TD:* **12 m**
Cota forajului / *Borehole level:* **88.42 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762505 **E** 21.249989 **Y (N)** 480489.52 **X (E)** 208517.2

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Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana *GW* atinsa / NH / *GWL* (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* / Adancime / *Depth* (m)	Dsitribuitie granulometrica *Particle size distribution* 20% 20% 20% 20% 20%	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	γ (kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
										Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																	
m	m	m	m	N 10				-	m		%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
	0	0.2				n/a	(0.00) BETON																				
88		0.7				Mg	(0.20) UMPLUTURA NEOMOGENA: formata din bucati de caramida si carbune, dispise intr-o matrice argilos prafos nisipoasa, cenusiu inchisa																				
	-1																										
87		1.1				siCl	(0.90) ARGILA PRAFOASA: cenusiu-cafenie, umeda, bogata in oxizi de fier								0.43	15.98	47.31	0.9				3.62			11	12	
	-2		NH= -2.30 m																								
86		0.8				MSa	(2.00) NISIP MIJLOCIU: cenusiu, umed, apoi inundat									18.5	44.18	0.79			0.23	6.29			24		
	-3																										
85		1.1				MSa	(2.80) NISIP MIJLOCIU: cenusiu, inundat									18.78	41.71	0.72			0.32	7.86			27		
	-4																										
84		1.3				sasiCl	(3.90) ARGILA PRAFOASA NISIPOASA: cafenie, umeda, cu oxizi de fier si concretiuni manganoase								0.45	18.24	45.08	0.82				5.57			12	18	
	-5																										
83		0.6				clSa	(5.20) NISIP ARGILOS: cenusiu inchis, inundat									18.87	42.01	0.73			0.34	8.3			28		
	-6																										
82		0.7				siCl	(5.80) ARGILA PRAFOASA: cenusie, umeda, cu oxizi de fier								0.63	20.69	42.04	0.73				10.32			14	33	
	-7																										
81		1				siCl	(6.50) ARGILA PRAFOASA: cenusie, umeda, cu oxizi de fier								0.72	22.06	39.56	0.66				13.76			15	54	
	-8		acvifer freatic																								
80		1.5				siCl	(7.50) ARGILA PRAFOASA: cenusie, umeda, cu oxizi de fier								0.86	20.89	36.91	0.59				21.01			18	81	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **22.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **Atlas Copco Cobra PROe**
Metoda de forare / *Drilling method:* **RKS1/2**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F6** **Adancime totala** / *TD:* **12** **m**
Cota forajului / *Borehole level:* **88.42 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762505 **E** 21.249989 **Y (N)** 480489.52 **X (E)** 208517.2

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-	tulburata *disturbed* / NEtulb. *UNdist.* / mediu *environ.*	m	Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles* 20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
	-9	3		11 12 12 12 13 14 18 19 18 18 18 20 19 19 18 16 19 17 20 22 19 18 17 21 23 20 22 24 21 19 17 18 19		MSa	(9.00) NISIP MIJLOCIU: cenusiu, inundat			-9							19.95	33.15	0.5			0.6	15.28			35		
79	-10									-10																	
78	-11									-11																	
77	-12									-12																	
76	-13									-13																	
75	-14									-14																	
74	-15									-15																	
73	-16									-16																	
72	-17									-17																	
71																											

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **03.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de / **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F7** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **89.23 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761799 **E** 21.252843 **Y (N)** 48.0412.12 **X (E)** 208739.06

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-	tulburata *disturbed* / NEtulb. *UNdist.* / mediu *environ.*	m	Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
				DPH H= 50 cm, G=50 kg S con= 15 cm2							20% 20% 20% 20% 20%																		
89	0	0.2		4		n/a	(0.00) BETON			0																			
				12			(0.20) UMPLUTURA NEOMOGENA: formata din bucati de caramida si pietris, dispuse intr-o matrice prafos argilos nisipoasa, cafeniu inchisa																					
		1.1		15		Mg																							
88	-1			15																									
		0.7		7		siSa	(1.30) NISIP PRAFOS: ARGILOS, cenusiu, afanat, bogat in oxizi de fier											13.45	48.82	0.95		0.12	4.61			28		
	-2			5																									
87		1.3		3		Sa	(2.00) NISIP: cafeniu, afanat											13.54	47.89	0.92		0.14	4.89			28		
	-3			3																									
				2																									
86				2																									
				1																									
	-4	1.5		2		siCl	(3.30) ARGILA PRAFOASA: cafeniu-cenusie, plastic consistnta, bogata in oxizi de fier si concretiuni fero-manganoase		T1		Cl=22, Si=64.22, Sa=13.78, Gr=0, Co=0	*21.72*	*37.46*	*11.45*	*26.01*	*0.61*		16.28	46.63	0.88			4.17			14	14	
85				2																									
				2																									
	-5	0.5		2		Sa	(4.80) NISIP: cafeniu, afanat											18.52	44	0.79		0.24	6.39			29		
84				3																									
		1.4		4		Sa	(5.30) NISIP: cenusiu, inundat, afanat, cu fractiune de pietris											18.46	44.55	0.81		0.22	6.08			29		
	-6			4																									
83				4																									
				2																									
	-7	1.2		2		siCl	(6.70) ARGILA PRAFOASA: cenusie, plastic vartoasa, bogata in concretiuni calcaroase si cu rare resturi vegetale		T2		Cl=32, Si=54.86, Sa=13.14, Gr=0, Co=0	*25.03*	*58.65*	*21.39*	*37.26*	*0.90*		20.59	42.5	0.74			9.98			17	32	
82				4																									
				4																									
	-8	0.7		5		siCl	(7.90) ARGILA PRAFOASA: cenusie, plastic vartoasa, bogata in concretiuni calcaroase si cu rare resturi vegetale											0.92	22.06	39.59	0.66		13.39			19	53	
81				7																									
				7																									
				6																									
				7																									

NH= -3.6 m

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl

Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **03.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** la fata de / **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F7** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **89.23 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761799 **E** 21.252843 **Y (N)** 48.0412.12 **X (E)** 208739.06

GEOSOND studii geotehnice cercetari geologice
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RO 15984400, J35/2932/2003
0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST* tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2 (N 10)	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol* (-)	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY* (-)	Probe *Samples* (environ.)	Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution* (20% 20% 20% 20% 20%)	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	γ (kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
80	-9	0.9		8 8 9 9 8 9 7 9		Sa	(8.60) NISIP: cenusiu, inundat, mediu indesat, cu fractiune de pietris			-9		19.26	38.34	0.62			0.45	10.66			32				
79	-10	1.6		10 11 7 8 11 8 9 10		Sa	(9.50) NISIP: cenusiu, inundat, mediu indesat, cu fractiune de pietris			-10		19.4	37.21	0.59			0.48	11.54			32				
78	-11	0.8		10 10 10 10 13 12 13 11		Sa	(11.10) NISIP: cenusiu, inundat, mediu indesat, cu fractiune de pietris		T3	-11	Cl=0, Si=3, Sa=91.87, Gr=5.13, Co=0	19.2	39.1	0.64			0.43	10.29			32				
77	-12	1		10 8 8 8 8 7 7 7 6		Sa	(11.90) NISIP: cenusiu, inundat, afant, cu fractiune de pietris			-12		18.84	41.27	0.7			0.33	8.17			30				
76	-13	1.9		6 5 5 5 6 5 5 5 5 5		Sa	(12.90) NISIP: cenusiu, inundat, afanat, cu fractiune de pietris			-13		18.56	43.58	0.77			0.25	6.58			29				
75	-14			5 3 4 3 3 4 3 3 3 3 3 3 3 3 3 4 3 3 3 3 3 4 3 3 3 3 3 4 3 3 2 2 2 3						-14																
74	-15	0.4		4 4 4 4 5 4 4 4 4 4		Sa	(14.80) NISIP: cenusiu, inundat, afanat, cu fractiune de pietris			-15		18.4	45.33	0.83			0.19	5.73			28				
73	-16	0.9		6 7 8 8 7 8 10 8		Sa	(15.20) NISIP: cenusiu, inundat, afanat, cu fractiune de pietris			-16		18.7	42.3	0.73			0.29	7.38			30				
72	-17	0.8		8 11 12 14 13		Sa	(16.10) NISIP: cenusiu, inundat, mediu indesat, cu fractiune de pietris			-17		19.23	38.81	0.63			0.44	10.45			32				
							(16.90) ARGILA PRAFOASA NISIPOASA: cenusiu-cafenie, plastic																				

acvifer freatic

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **03.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** la fata de / **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F7** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **89.23 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761799 **E** 21.252843 **Y (N)** 48.0412.12 **X (E)** 208739.06

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
		1.1		10 14 16 14 20 16 18 18 19 22 22 22 26 24 20 27 30 32 36 34 36 35 37 33 35 37		sasiCl	vartoasa, bogata in concretiuni calcaroase				Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*	*18.36*	*48.86*	*13.38*	*35.48*	*0.86*	*19.27*	*37.60*	*0.60*	*0.81*			*10.52*	*3.05*		*28.40*	*44.00*	
							(18.00) ARGILA NISIPOASA: cenusiu-cafenie, plastic vartoasa, bogat in concretiuni calcaroase si cu oxizi de fier		N1		Cl=24, Si=45.76, Sa=29.34, Gr=0.9, Co=0																	
		4				saCl										0.98	22.01	34.08	0.43			12.084			30	40	
		3				Sa	(22.00) NISIP: cenusiu, indesat, inundat																					

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **31.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota raportata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F8** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **89.88 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762189 **E** 21.251581 **Y (N)** 480456.76 **X (E)** 208638.7

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* / Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-	tulburata *disturbed* / NEtulb. *UNdist.* / mediu *environ.* m	Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles* 20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
89	0	0.2				n/a	(0.00) BETON																				
						Mg	(0.20) UMPLUTURA NEOMOGENA: formata din bucati de caramida, dipsuse intr-o matrice argilos nisipoasa, cu oxizi de fier si concretiuni manganoase, bruna																	
88	-2	1.8							N1	Cl=38, Si=59, Sa=3, Gr=0, Co=0																	
		0.6				siCl	(2.00) ARGILA PRAFOASA: cenusie, plastic consistenta spre vartoasa, cu oxizi de fier si concretiuni manganoase				33.50	66.13	23.38	42.76	0.76	16.48	46.31	0.86				4.56			12	15	
87	-3	1.4	NH= -3.95 m				(2.60) ARGILA PRAFOASA: cenusie, umeda, plastic vartoasa, cu oxizi de fier si concretiuni manganoase								0.8	19.22	41.56	0.71				12.12			18	39	
86	-4	1.4				siCl	(4.00) ARGILA PRAFOASA: cenusie, saturata, plastic vartoasa, cu oxizi de fier si concretiuni manganoase				0.84	19.81	40.61	0.68				11.69			18	47	
85	-5																										
84	-6	0.6				Sa	(5.40) NISIP: cenusiu, inundat, mediu indesat					19.1	39.24	0.65					0.4	9.66	31						
		1.1				Sa	(6.00) NISIP: cenusiu, inundat, mediu indesat					19.46	36.62	0.58					0.49	11.94	33						
83	-7																										
82	-8	1.6				Sa	(7.10) NISIP: cenusiu, inundat, mediu indesat					19.05	40.09	0.67					0.39	9.4	31						

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **31.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota raportata fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F8** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **89.88 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762189 **E** 21.251581 **Y (N)** 480456.76 **X (E)** 208638.7

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RO 15984400, J35/2932/2003
0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution*	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	(kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* $M_{200-300}$ (MPa)	ε_2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
m	m	m	m	N 10				-	*environ.*	m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
81	-9	1.2		11 8 8 10 10 10 10 11 8 7		Sa	(8.70) NISIP: cenusiu, inundat, mediu indesat		T1	-9	Cl=0, Si=3.91, Sa=80.02, Gr=16.08, Co=0						19.35	37.62	0.6			0.47	11.23			32		
80	-10			11 10 17 16 17 16 16 16 14 18						-10																		
79	-11	4		14 16 16 14 17 16 12 10 12 14		Sa	(9.90) NISIP: cenusiu, inundat, mediu indesat			-11							19.78	34.36	0.52			0.56	14.04			34		
78	-12			20 18 18 18 20 21 19 14 14 17						-12																		
77	-13			17 16 16 18 16 14 11 11 17 17						-13																		
76	-14	1.1	acvifer freatic	14 16 22 22 22 17 16 12 16 14		Sa	(13.90) NISIP: cenusiu, inundat, mediu indesat		T2	-14	Cl=0, Si=7.58, Sa=85.94, Gr=6.48, Co=0						19.83	34.33	0.52			0.57	14.37			34		
75	-15	1		14 14 14 13 11 11 20 20 18 18		siSa	(15.00) NISIP PRAFOS: cenusiu, inundat, mediu indesat			-15							19.96	32.93	0.49			0.6	15.33			35		
74	-16	1		19 22 24 24 20 28 26 19 17 17		Sa	(16.00) NISIP: cenusiu, inundat, mediu indesat			-16							20.04	33	0.49			0.61	15.95			35		
73	-17			24 18 18 18 14 14 14 13			(17.00) ARGILA PRAFOASA NISIPOASA:			-17																		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **31.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** la fata de / **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F8** **Adancime totala** / *TD:* **25** **m**
Cota forajului / *Borehole level:* **89.88 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762189 **E** 21.251581 **Y (N)** 480456.76 **X (E)** 208638.7

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Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST* tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2 N 10	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol* (-)	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY* (-)	Probe *Samples* tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*	Adancime / *Depth* (m)	Dsitribuitie granulometrica *Particle size distribution* 20% 20% 20% 20% 20%	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	γ (kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
72	-18	1.4		12 16 16 24 14 17 18 18 20 20		sasiCl	cenusie, umeda, plastic consistenta, cu oxizi de fier, concretiuni manganoase si bogata in concretiuni calcaroase		N2	-18	Cl=25, Si=27.02, Sa=47.34, Gr=0.64, Co=0	*19.63*	*34.21*	*13.49*	*20.72*	*0.70*	21.97	34.32	0.52				32.77			22	56	
71	-19			17 17 18 20 20 24 20 26 26 28			(18.40) ARGILA PRAFOASA NISIPOASA: cafeniu-cenusie, umeda, tare, cu oxizi de fier, concretiuni manganoase si concretiuni calcaroase			-19																		
70	-20	3.8		34 34 32 30 36 34						-20						1	22	31.15	0.45				51.86			22	62	
69	-21									-21																		
68	-22						(22.20) NISIP GROSIER: cenusiu, inundat, indesat			-22																		
67	-23	2.6				CSa				-23																		
66	-24						(24.80) ARGILA PRAFOASA NISIPOASA: cafeniu-cenusie, umeda, tare			-24																		
65	-25	0.2				sasiCl				-25																		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **22.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **Atlas Copco Cobra PROe**
Metoda de forare / *Drilling method:* **RKS1/2**
Recuperaj mediu / **90 %**
Cota raportata fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F9** **Adancime totala** / *TD:* **12 m**
Cota forajului / *Borehole level:* **87.04 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762525 **E** 21.251974 **Y (N)** 480474.3 **X (E)** 208674.3

GEOSOND studii geotehnice cercetari geologice
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RO 15984400, J35/2932/2003
0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* / Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution*	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	γ (kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
				tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2					tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*	Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
87	0	0.15				n/a	(0.00) BETON																				
		0.35				Mg	(0.15) UMPLUTURA NEOMOGENA: formata din bucati de caramida si nisip cafeniu																			
		0.2				MSa																					
86	-1	0.6				FSa	(0.50) NISIP MIJLOCIU: cafeniu, umed, afanat, cu oxizi de fier									18.27	47.31	0.9			0.15	5.06			28		
		0.4				CSa	(0.70) NISIP FIN: cenusiu-cafeniu, umed, afanat									18.41	45.35	0.83			0.2	5.8			28		
85	-2	0.8				sasiCl	(1.30) NISIP GROSIER: cenusiu, inundat, afanat, cu mici elemente de pietris									18.44	44.85	0.81			0.21	5.95			29		
															0.5	18.34	46.19	0.86				4.68			12	15	
		0.8				saCl	(1.70) ARGILA PRAFOASA NISIPOASA: cenusiu-cafenie, umeda, plastic moale, cu oxizi de fier								0.66	21.48	41.17	0.7				10.47			14	42	
84	-3																										
		0.9				FSa	(2.50) ARGILA NISIPOASA: cenusie, umeda, plastic consistenta, cu oxizi de fier									19.22	38.88	0.64			0.44	10.42			32		
83	-4						(3.30) NISIP FIN: cenusiu, inundat, mediu indesat																				
		0.5				FSa	(4.20) NISIP FIN: cenusiu, inundat, afanat									18.62	43.16	0.76			0.27	6.93			29		
82	-5	0.8				sasiCl	(4.70) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta								0.61	18.63	42.68	0.74				9.35			15	30	
		0.9				sasiCl	(5.50) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta								0.69	21.67	40.43	0.68				11.31			19	45	
81	-6																										
							(6.40) NISIP MIJLOCIU: cenusiu inchis, inundat, mediu indesat, cu rare si mici elemente de pietris																			
80	-7																										
79	-8	4.2				MSa										19.61	35.5	0.55			0.53	12.9			33		

NH= -1.20 m

acvifer freatic

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **22.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **Atlas Copco Cobra PROe**
Metoda de forare / *Drilling method:* **RKS1/2**
Recuperaj mediu / *Level related to:* **90 %** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F9** **Adancime totala** / *TD:* **12 m**
Cota forajului / *Borehole level:* **87.04 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762525 **E** 21.251974 **Y (N)** 480474.3 **X (E)** 208674.3

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
				tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2					tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*		Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																	
78	-9			15						-9																	
				16																							
				14																							
				15																							
				15																							
				17																							
				15																							
				13																							
				15																							
				14																							
				16																							
				18																							
77	-10			17						-10																	
				15																							
				17																							
				14																							
				17																							
				14																							
				15																							
				18																							
76	-11	1.4		16			(10.60) NISIP MIJLOCIU: cenusiu inchis, inundat, mediu indesat, cu rare si mici elemente de pietris	MSa		-11							20.01	32.9	0.49		0.61	15.68			35		
				17																							
				19																							
				20																							
				23																							
				20																							
				18																							
				21																							
				25																							
				22																							
				19																							
				17																							
75	-12			18						-12																	
74	-13									-13																	
73	-14									-14																	
72	-15									-15																	
71	-16									-16																	
70	-17									-17																	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **30.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota raportata la / *Level related to:* **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* 5788-F10 **Adancime totala / *TD:* 25 m**
Cota forajului / *Borehole level:* 88.86 m

GPS **Pozitie / *Position:*** **STEREO 70**
N 45.762880 **E** 21.251251 **Y (N)** 480533.77 **X (E)** 208618.27

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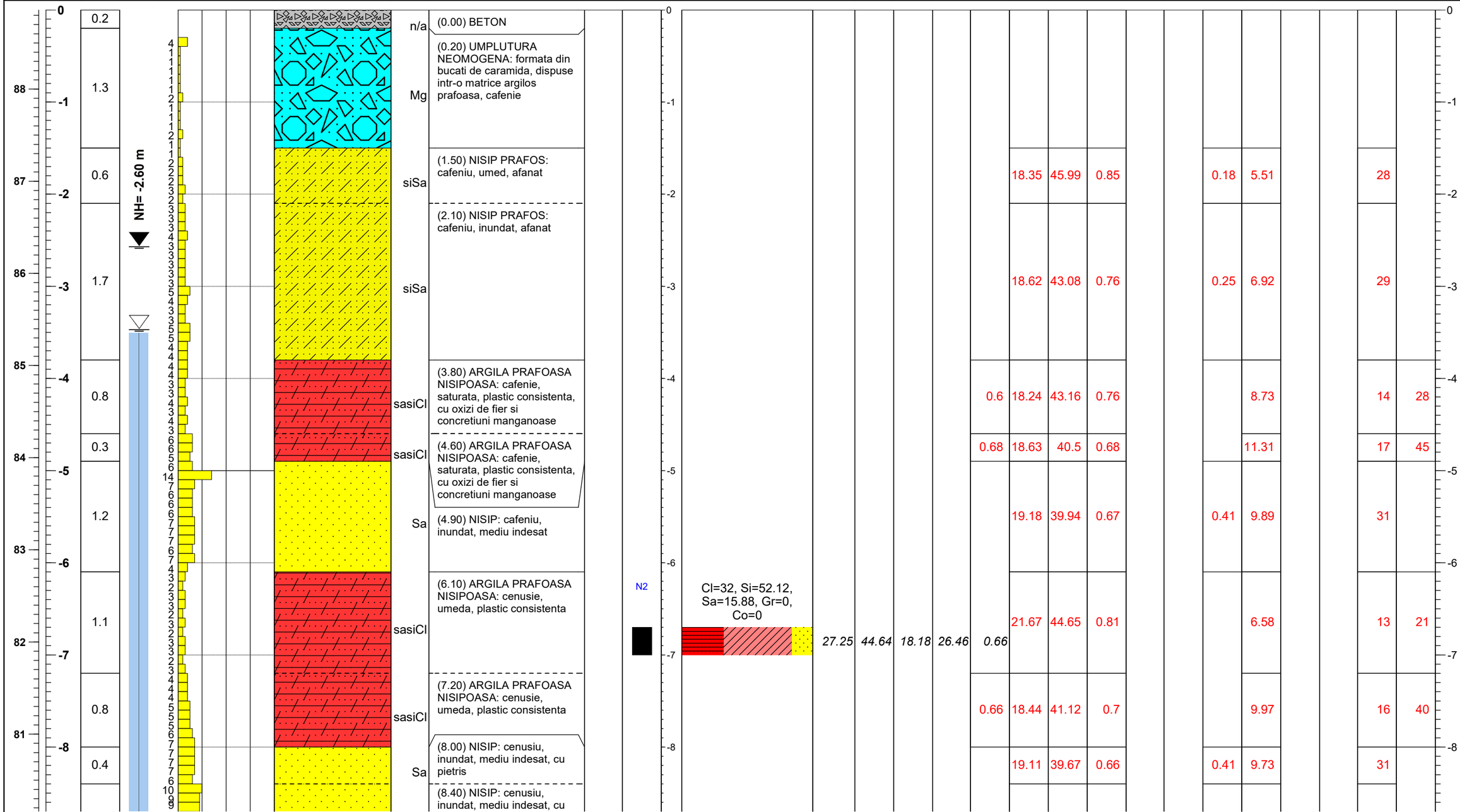
Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	



Cota absoluta / relativa	Adancimea	Grosimea	Simbol	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	$M_{200-300}$	ε_2	Im3	∅	c
88	0	0.2																	
87	1.3	1.3							18.35	45.99	0.85			0.18	5.51			28	
86	2.3	0.6																	
85	4.0	1.7							18.62	43.08	0.76			0.25	6.92			29	
84	4.8	0.8						0.6	18.24	43.16	0.76				8.73			14	28
83	5.1	0.3						0.68	18.63	40.5	0.68				11.31			17	45
82	6.3	1.2							19.18	39.94	0.67			0.41	9.89			31	
81	7.4	1.1							21.67	44.65	0.81				6.58			13	21
	8.5	0.8						0.66	18.44	41.12	0.7				9.97			16	40
	9.3	0.4							19.11	39.67	0.66			0.41	9.73			31	

27.25	44.64	18.18	26.46	0.66

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **30.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** la fata de / **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F10** **Adancime totala** / *TD:* **25** **m**
Cota forajului / *Borehole level:* **88.86 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762880 **E** 21.251251 **Y (N)** 480533.77 **X (E)** 208618.27

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
80	-9	1.6		10 10 12 14		Sa	pietris		T1	-9	Cl=0, Si=5.52, Sa=89.64, Gr=4.84, Co=0						19.47	37.58	0.6		0.5	11.95			33		-9
79	-10			10 8 10 14			(10.00) NISIP PRAFOS: cenusiu, inundat, mediu indesat			-10																		-10
78	-11	2		9 14 10 14		siSa				-11							19.66	35.11	0.54		0.54	13.26			34		-11
77	-12			15 15 14 15			(12.00) NISIP GROSIER: cenusiu, inundat, mediu indesat			-12																		-12
76	-13	4.5		12 14 13 12		CSa				-13																		-13
75	-14			13 14 15 16						-14							19.99	32.94	0.49		0.6	15.56			35		-14
74	-15			17 16 14 15						-15																		-15
73	-16			14 15 16 17						-16																		-16
72	-17	0.5		18 20 22 25		saCl	(16.50) ARGILA NISIPOASA: cenusie, umeda, plastic vartoasa			-17		0.82	21.28	29.75	0.42							42.69			14	67		-17
		0.8		27 24 28			(17.00) NISIP: cenusiu, inundat, indesat						20.57	29.68	0.42						0.7	20.18			38			

acvifer freatic

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **30.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de / **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F10** **Adancime totala** / *TD:* **25** **m**
Cota forajului / *Borehole level:* **88.86 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762880 **E** 21.251251 **Y (N)** 480533.77 **X (E)** 208618.27

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0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution*	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	γ (kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
				tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2					tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*		Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																		
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
71	-18	0.2		32 40 30 32		Sa	(17.80) ARGILA NISIPOASA: cenusiu-cafenie, umeda, plastic vartoasa			-18					0.82	24.52	30.08	0.43				60.84			14	89	
		0.8		30 31 29 27		saCl	(18.00) NISIP GROSIER: cafeniu, inundat, indesat									20.51	29.05	0.41			0.7	19.68			38		
70	-19			27 28 28 27		CSa			N3	-19	Cl=40, Si=49.42, Sa=10.58, Gr=0, Co=0	*23.62*	*55.96*	*16.51*	*39.45*	*0.82*	*19.02*	*41.00*	*0.69*	*0.90*			*10.81*	*2.65*		*14.00*	*94.00*	
		1.2		30 32 29 30		siCl	(18.80) ARGILA PRAFOASA: cafenie, plastic vartoasa, cu oxizi de fier, concretiuni manganoase si concretiuni clacaroase																					
69	-20			30 33 31 35						-20																		
		2.8		37 30 32 33		sasiCl	(20.00) ARGILA PRAFOASA NISIPOASA: cafeniu-cenusie, umeda, plastic vartoasa, bogata in oxizi de fier si concretiuni manganoase																					
68	-21			33 33 34						-21																		
67	-22								N4	-22	Cl=31, Si=41.6, Sa=27.4, Gr=0, Co=0	*21.58*	*46.46*	*16.63*	*29.63*	*0.83*	*19.71*	*37.90*	*0.61*	*0.94*						*14.20*	*87.00*	
		1.9				Sa	(22.80) NISIP: cafeniu, inundat, indesat																					
66	-23									-23																		
65	-24									-24																		
		0.3				saCl	(24.70) ARGILA NISIPOASA: cenusie, umeda, plastic vartoasa																					
64	-25									-25																		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **16.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota raportata de / *Level related to:* **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F11** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **88.90 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762532 **E** 21.251420 **Y (N)** 480495.76 **X (E)** 208626.79

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RO 15984400, J35/2932/2003
0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Dsitributie granulometrica *Particle size distribution*: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*

Cota	Adancime	Grosime	Simbol	Descriere litologica	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	$M_{200-300}$	ε_2	Im3	∅	c
88	0	0.15	n/a	(0.00) BETON																
		0.85	Mg	(0.15) UMPLUTURA NEOMOGENA: formata din pietris nisipos si bucati de caramida, dispuse intr-o matrice argiloasa, cafenie																
87	-1	0.6	siCl	(1.00) ARGILA PRAFOASA: cenusie, umeda, plastic moale, bogata in oxizi de fier					0.48	15.79	48.82	0.95				3.32				11
	-2	0.4	siCl	(1.60) ARGILA PRAFOASA: cenusie, umeda, plastic moale, bogata in oxizi de fier					0.5	17.06	45.33	0.83				5.61				18
		0.4	FSa	(2.00) NISIP FIN: cenusiu, umed, afanat						18.48	44.36	0.8			0.22	6.17			24	
86	-3	1.2	FSa	(2.40) NISIP FIN: cenusiu, inundat, mediu indesat						19.12	39.66	0.66			0.41	9.8			29	
85	-4	0.4	siCl	(3.60) ARGILA PRAFOASA: cenusie, umeda, plastic consistenta, bogata in oxizi de fier si concretiuni fero-manganoase					0.6	18.24	43.46	0.77				8.73				28
		0.7	Sa	(4.00) NISIP: cenusiu-cafeniu, inundat, afanat, cu intercalatii de argila prafoasa nisipoasa intre 4.4 si 4.5 m						18.71	42.32	0.73			0.29	7.41			26	
84	-5	0.5	sasiCl	(4.70) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta, bogata in oxizi de fier si concretiuni fero-manganoase					0.67	21.18	40.91	0.69				11.96				38
83	-6	1.2	MSa	(5.20) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat, cu elemente de pietris						19.29	38.33	0.62			0.45	10.82			30	
82	-7	1.3	siCl	(6.40) ARGILA PRAFOASA: cenusie, umeda, plastic consistenta, cu oxizi de fier																
81	-8	1.1	Sa	(7.70) NISIP: cenusiu, inundat, mediu indesat, cu mici elemente de pietris						19.26	38.28	0.62			0.45	10.69			30	
					23.67	*46.90*	*13.42*	*33.47*	*0.69*	*19.03*	*41.00*	*0.69*	*0.91*			*7.54*	*3.28*		*10.80*	*66.00*

NH= -3.06 m

N1

Cl=34, Si=48.64, Sa=17.36, Gr=0, Co=0

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **16.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F11** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **88.90 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762532 **E** 21.251420 **Y (N)** 480495.76 **X (E)** 208626.79

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0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*	Rezistenta la forfecare *Shear strength*	Observatii / *Remarks*
																					$M_{200-300}$	ε_2 / Im3	∅ / c	
m	m	m	m	N 10				-	environ.	m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	% / %	grade / kPa	

(8.80) NISIP: cenusiu, inundat, mediu indesat, cu mici elemente de pietris

Sa

T1

Cl=0, Si=4.18, Sa=85.33, Gr=10.5, Co=0

5.2

19.77 34.43 0.53 0.56 13.99 30

(14.00) NISIP: cenusiu, inundat, mediu indesat, cu mici elemente de pietris

Sa

T2

Cl=0, Si=2.44, Sa=93.37, Gr=4.19, Co=0

2.6

19.91 33.43 0.5 0.59 15 33

acvifer freatic

(16.60) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic vartoasa, cu oxizi de fier

N2

Cl=21, Si=36.32, Sa=41.88, Gr=0.8, Co=0

18.57 38.26 13.59 24.67 0.80 19.33 37.60 0.60 0.82 13.33 2.35 *32.20 40.00*

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **16.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F11** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **88.90 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762532 **E** 21.251420 **Y (N)** 480495.76 **X (E)** 208626.79

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
71	-18	2.7		25 24 23 25 25 26 27 26 27 27 26 26 28 29 28 29 31 29 30 32 33 34 34 35 34 36		sasiCl			tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*	-18	Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																	
70	-19	0.7				siCl	(19.30) ARGILA PRAFOASA: cenusie, umeda, plastic vartoasa, cu oxizi de fier			-19						0.91	20	35	0.5			14.74			28	61	
69	-20									-20																	
68	-21									-21																	
67	-22									-22																	
66	-23									-23																	
65	-24									-24																	
64	-25									-25																	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOROHOLE DATA:*

Perioada de executie / *Drilling date:* **04.08.2023**
Executant / *Driller:* **tehn. Jozsef TOTH**
Utilaj / *Drilling rig:* **Atlas Copco Cobra PROe**
Metoda de forare / *Drilling method:* **RKS1/2**
Recuperaj mediu / **100%**
Cota raportata fata de / *Level related to:* **n/a**

FISA FORAJULUI / *BOROHOLE LOG*

Foraj / *Borehole:* **5788-F12** **Adancime totala** / *TD:* **12 m**
Cota forajului / *Borehole level:* **89.90 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761738 **E** 21.252383 **Y (N)** 480410.52 **X (E)** 208702.36

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* / Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-	tulburata *disturbed* / NEtulb. *UNdist.* / mediu *environ.* m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Argila / *Clay*
Praf / *Silt*
Nisip / *Sand*
Pietris / *Gravel*
Bolovanis / *Cobbles*

NH= -4.20 m
freatic

Cota	Adancime	Grosime	Simbol	Descriere litologica	Probe	Particle size distribution	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	$M_{200-300}$	ε_2	Im3	∅	c
89	0	0.1	n/a	(0.00) BETON																		
		1.2	Mg	(0.10) UMPLUTURA NEOMOGENA: formata din pietris, bucati de caramida si betoane, dispuse intr-o matrice argiloasa, cenusie																		
88	-2	1	sasiCl	(1.30) ARGILA PRAFOASA NISIPOASA: cafeniu-cenusie, plastic consistenta, cu oxizi de fier si concretiuni fero-manganoase	N1	Cl=20, Si=56.08, Sa=23.92, Gr=0, Co=0	23.23	36.25	15.47	20.78	0.63	19.47	39.50	0.65	0.95		7.14	4.08		26.70	16.00
87	-3	1	saclSi	(2.30) PRAF ARGILOS NISIPOS: cafeniu, plastic consistenta, cu oxizi de fier si concretiuni fero-manganoase							0.65	19.02	41.08	0.68			7.85			16	12
		0.4	Sa	(3.30) NISIP: cafeniu, umed, afanat								18.92	40.75	0.69		0.36	8.62			30	
86	-4	0.3	Sa	(3.70) NISIP: cafeniu, umed, afanat								18.41	45.17	0.82		0.2	5.8			28	
		1.5	saclSi	(4.00) PRAF ARGILOS NISIPOS: cafeniu, umed, plastic consistent, cu oxizi de fier si concretiuni fero-manganoase								18.34	45.21	0.83			5.66			16	18
85	-5																					
84	-6	0.7	Sa	(5.50) NISIP: cenusiu, inundat, afanat								18.54	43.64	0.77		0.24	6.52			29	
		1.2	Sa	(6.20) NISIP: cenusiu, inundat, mediu indesat								18.87	40.91	0.69		0.34	8.33			30	
83	-7																					
		0.5	Sa	(7.40) NISIP: cenusiu, inundat, afanat								18.62	43.05	0.76		0.28	6.93			29	
82	-8	1.1	sasiCl	(7.90) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta	N2	Cl=22, Si=36.66, Sa=41.02, Gr=0.32, Co=0	20.36	33.76	10.86	22.90	0.59	20.06	36.20	0.56	0.96		7.69	3.93		17.90	42.00

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* tehn. Jozsef TOTH

Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **04.08.2023**
Executant / *Driller:* **tehn. Jozsef TOTH**
Utilaj / *Drilling rig:* **Atlas Copco Cobra PROe**
Metoda de forare / *Drilling method:* **RKS1/2**
Recuperaj mediu / **100%**
Cota fata de / *Level related to:* **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F12** **Adancime totala** / *TD:* **12** **m**
Cota forajului / *Borehole level:* **89.90 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761738 **E** 21.252383 **Y (N)** 480410.52 **X (E)** 208702.36

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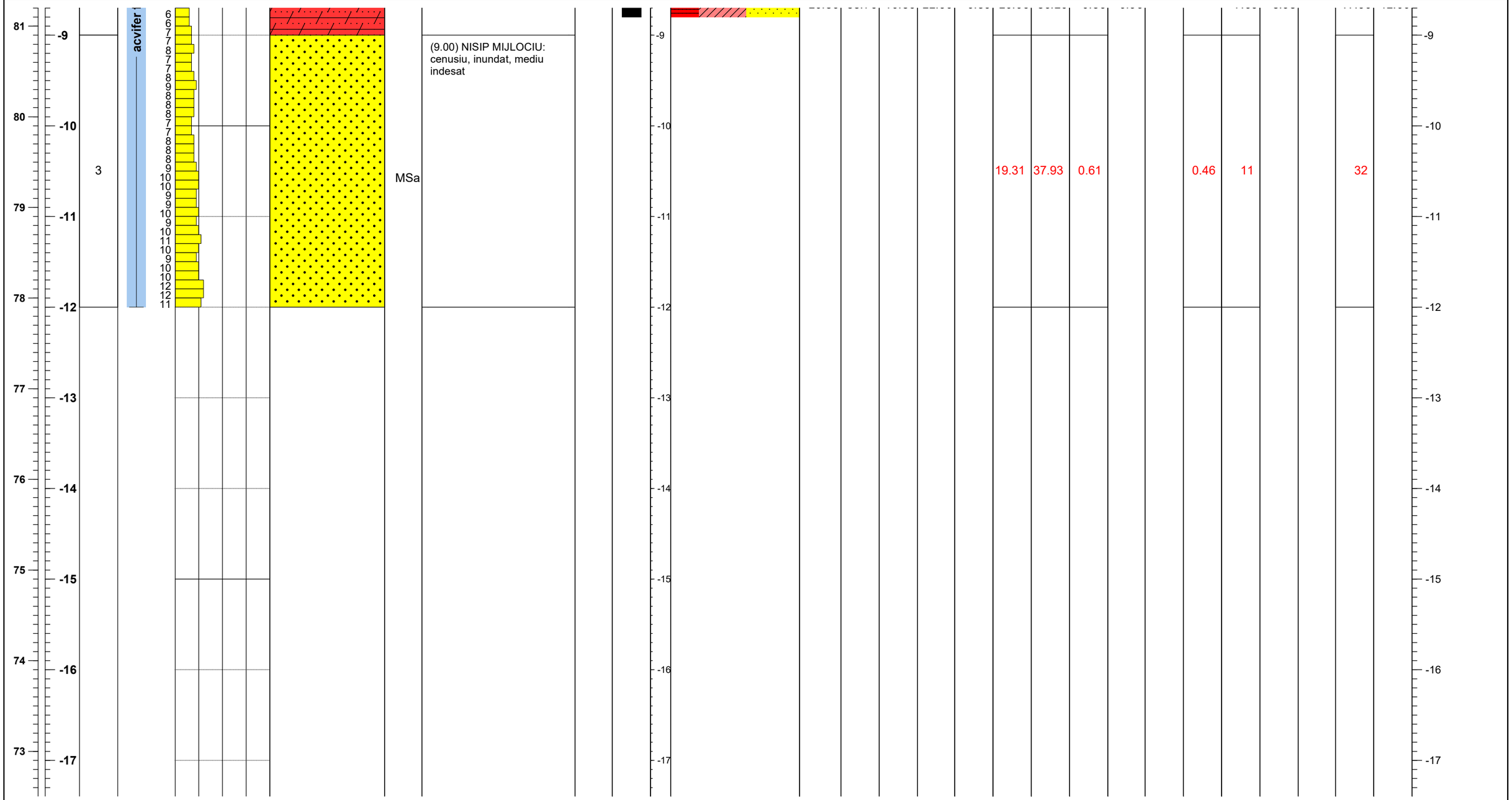
0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*	Rezistenta la forfecare *Shear strength*	Observatii / *Remarks*
																					$M_{200-300}$	ε_2 / Im3	∅ / c	
m	m	m	m	N 10				-	environ.	m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	% / %	grade / kPa	

TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*: tip / *type:* DPH; H= 50 cm, G=50 kg; S con= 15 cm2

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Dsitributie granulometrica *Particle size distribution*: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*



NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* tehn. Jozsef TOTH

Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **21-22.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota raportata la / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* 5788-F13 **Adancime totala / *TD:* 25 m**
Cota forajului / *Borehole level:* 88.40 m

GPS **Pozitie / *Position:*** **STEREO 70**
N 45.762440 **E** 21.250854 **Y (N)** 480482.24 **X (E)** 208566.62

GEOSOND studii geotehnice cercetari geologice
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RO 15984400, J35/2932/2003
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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
	0	0.15				n/a	(0.00) BETON																						
88							(0.15) UMPLUTURA NEOMOGENA: formata din bucati de caramida, dispuse intr-o matrice argiloasa, cafenie																						
	-1	1.15	NH= -1.40 m			Mg																							
87		0.7				Cl	(1.30) ARGILA: cenusie, umeda, plastic consistenta		T1		Cl=40.5, Si=57.26, Sa=2.24, Gr=0, Co=0	*31.55*	*59.49*	*18.44*	*41.05*	*0.68*		16.18	47.1	0.89				3.91			10	13	
	-2	1				MSa	(2.00) NISIP MIJLOCIU: cenusiu, inundat, afanat												18.54	44.08	0.79		0.24		6.49			28		
86																													
	-3	0.5				MSa	(3.00) NISIP MIJLOCIU: cenusiu, inundat, afanat												18.55	44.24	0.8		0.25		6.57			28		
85		0.5				saCl	(3.50) ARGILA NISIPOASA: cafeniu-cenusie, saturata, plastic moale, cu zone feruginoase										0.48		18.24	47.01	0.89				3.98				13	
	-4	0.4				saCl	(4.00) ARGILA NISIPOASA: cafeniu-cenusie, saturata, plastic consistenta, cu zone feruginoase										0.59		18.24	43.64	0.78				8.1				26	
84		0.7				Sa	(4.40) NISIP: cafeniu, inundat, mediu indesat		T2		Cl=0, Si=1.93, Sa=92.85, Gr=5.22, Co=0								19.08	39.92	0.67		0.4		9.57			30		
	-5																													
83		1				Sa	(5.10) NISIP: cafeniu, inundat, mediu indesat												18.98	40.88	0.69		0.37		8.98			30		
	-6																													
82		0.6				saclSi	(6.10) PRAF ARGILOS NISIPOS: cenusiu, umed, plastic consistent, cu rare zone feruginoase										0.55		19.07	35.14	0.61				8.41			28	15	
	-7	0.6				saclSi	(6.70) PRAF ARGILOS NISIPOS: cenusiu, umed, plastic consistent, cu rare zone feruginoase		N1		Cl=16, Si=40.64, Sa=43.66, Gr=0, Co=0	*18.24*	*30.17*	*10.56*	*19.61*	*0.61*	*20.09*	*34.90*	*0.53*	*0.90*			*9.30*	*4.16*		*29.60*	*17.00*	
81		0.6				saclSi	(7.30) PRAF ARGILOS NISIPOS: cenusiu, umed, plastic consistent, cu rare zone feruginoase										0.7		20.41	33.17	0.48				10			28	19	
	-8																													
80		1.1				MSa	(7.90) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat												19.61	35.37	0.55		0.53		12.91			31		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **21-22.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F13** **Adancime totala** / *TD:* **25** **m**
Cota forajului / *Borehole level:* **88.40 m**
GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762440 **E** 21.250854 **Y (N)** 480482.24 **X (E)** 208566.62

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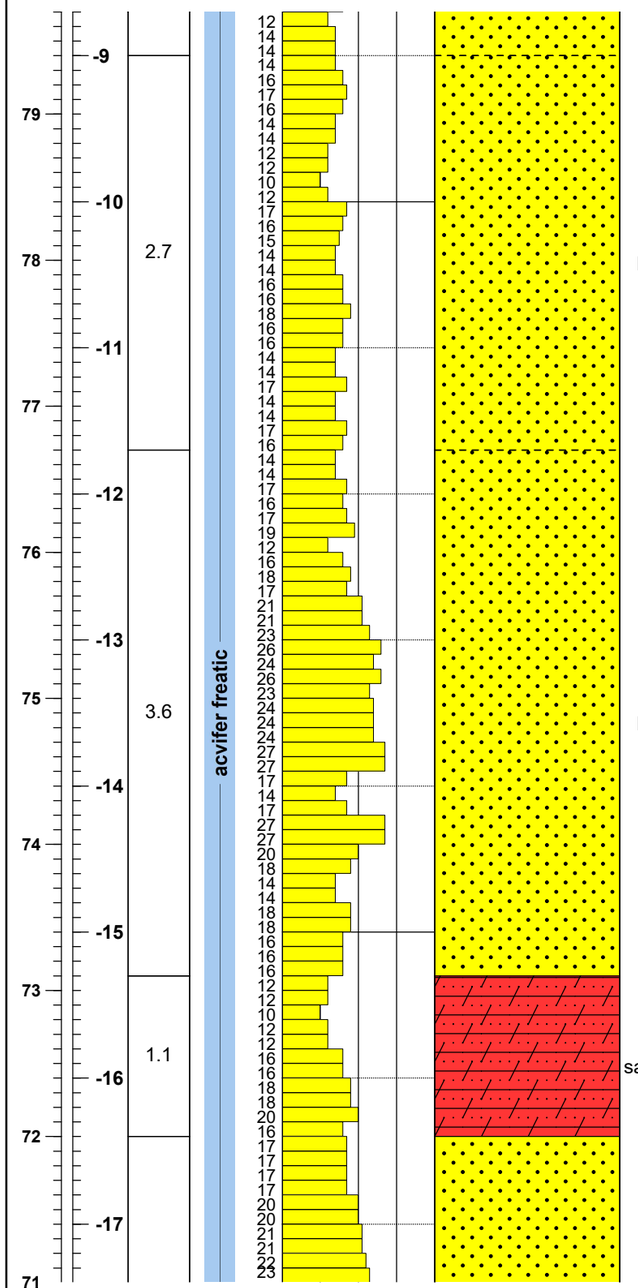
Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*	Rezistenta la forfecare *Shear strength*	Observatii / *Remarks*
																					$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Argila / *Clay*
Praf / *Silt*
Nisip / *Sand*
Pietris / *Gravel*
Bolovanis / *Cobbles*
tulburata *disturbed*
NEtulb. *UNdist.*
mediu *environ.*



Cota	Grosimea	Simbol	DESCRIERE LITOLOGICA	Probe	Adancime	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	$M_{200-300}$	ε_2	Im3	∅	c	Observatii
-9			(9.00) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat																		
-10	2.7	MSa									19.72	34.77	0.53			0.55	13.61			31	
-11				T3																	
-12			(11.70) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat																		
-13	3.6	MSa									20.01	33.09	0.5			0.61	15.68			31	
-14																					
-15				T4																	
-16	1.1	sasiCl	(15.30) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic vartoasa, cu zone fruginoase si intercalatii de concretiuni calcaroase			19.20	43.66	17.41	26.25	0.93		34.69	0.53							16	64
-17			(16.40) NISIP MIJLOCIU: cafeniu, inundat, mediu indesat																		

Cl=0, Si=5.85, Sa=90.06, Gr=4.09, Co=0

Cl=29, Si=32.48, Sa=38.52, Gr=0, Co=0

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **21-22.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota raportata la fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F13** **Adancime totala** / *TD:* **25 m**
Cota forajului / *Borehole level:* **88.40 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762440 **E** 21.250854 **Y (N)** 480482.24 **X (E)** 208566.62

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0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitribuie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-	tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*	m	Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles* 20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
71		2.1		21 21 24 22 20		MSa												20.15	31.89	0.47			0.63	16.77					
-18				26 26 26 27 26						-18																		
70				27 29 29 28 30			(18.50) ARGILA: cenusiu-cafenie, plastic vartoasa spre tare, cu concretiuni calcaroase si rare zone feruginoase		N1		Cl=41, Si=45.68, Sa=12.62, Gr=0.7, Co=0	*16.52*	*57.93*	*15.94*	*42.00*	*0.99*	*19.41*	*37.60*	*0.60*	*0.75*			*10.25*	*3.00*		*19.30*	*102.00*	
-19				29 30 31 31 33						-19																		
69		2.5		34 33 34 34 33 33		Cl																						
-20										-20																		
68							(21.00) NISIP: cenusiu, inundat, mediu indesat																					
-21										-21																		
67																												
-22										-22																		
66																												
-23		4				Sa			T5	-23	Cl=0, Si=3.9, Sa=94.57, Gr=1.53, Co=0																	
65																												
-24										-24																		
64																												
-25										-25																		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **17.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de / **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F14** **Adancime totala** / *TD:* **20** **m**
Cota forajului / *Borehole level:* **89.70 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761941 **E** 21.251855 **Y (N)** 480436.53 **X (E)** 208658.88

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0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* / Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution*	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	(kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε_2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
				tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2					tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*	Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
89	0	0.18				n/a	(0.00) BETON																				
						Mg	(0.18) UMPLUTURA NEOMOGENA: formata din bucati de caramida si nisip, cafeniu inchis																			
88	-1	0.82					(1.00) UMPLUTURA NEOMOGENA: formata din pietris nisipos, negricios, cu aspect de zgura																				
		0.9				Mg																					
87	-2	1.6					(1.90) TURBA: negricioasa, cu amestec de fibre si pasta amerfa, usoara, compresibila, cu miros de mucegai si descompunere moderata, avand partea minerala de granulozitate nisip prafos		T1	Cl=7, Si=26.38, Sa=66.12, Gr=0.5, Co=0							46.84	0.89								
			NH= -4.00 m			Or																					
86	-3	0.6				Sa	(3.50) NISIP: cenusiu, inundat, afanat		N1	Cl=26, Si=49.02, Sa=24.98, Gr=0, Co=0							18.68	43.1	0.76			0.29	7.29		21		
85	-4	1.2				sasiCl	(4.10) ARGILA PRAFOASA NISIPOASA: cenusie, plastic consistenta, umeda, cu zone feruginoase				*23.88*	*35.71*	*14.50*	*21.21*	*0.58*	*19.46*	*39.60*	*0.65*	*0.95*				*7.14*	*5.05*		*22.80*	*27.00*	
84	-5	0.5				sasiCl	(5.30) ARGILA PRAFOASA NISIPOASA: cenusie, plastic consistenta, umeda, cu zone feruginoase								0.63	19.81	38.95	0.6				8.12			25	32	
83	-6	2.2				MSa	(5.80) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat									19.21	39.09	0.64			0.43	10.38			32		
82	-7	1				siCl	(8.00) ARGILA PRAFOASA: cenusie, umeda, plastic consistenta				0.65	20	39	0.62								8.54			18	30	
81	-8																										

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **17.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F14** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.70 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761941 **E** 21.251855 **Y (N)** 480436.53 **X (E)** 208658.88

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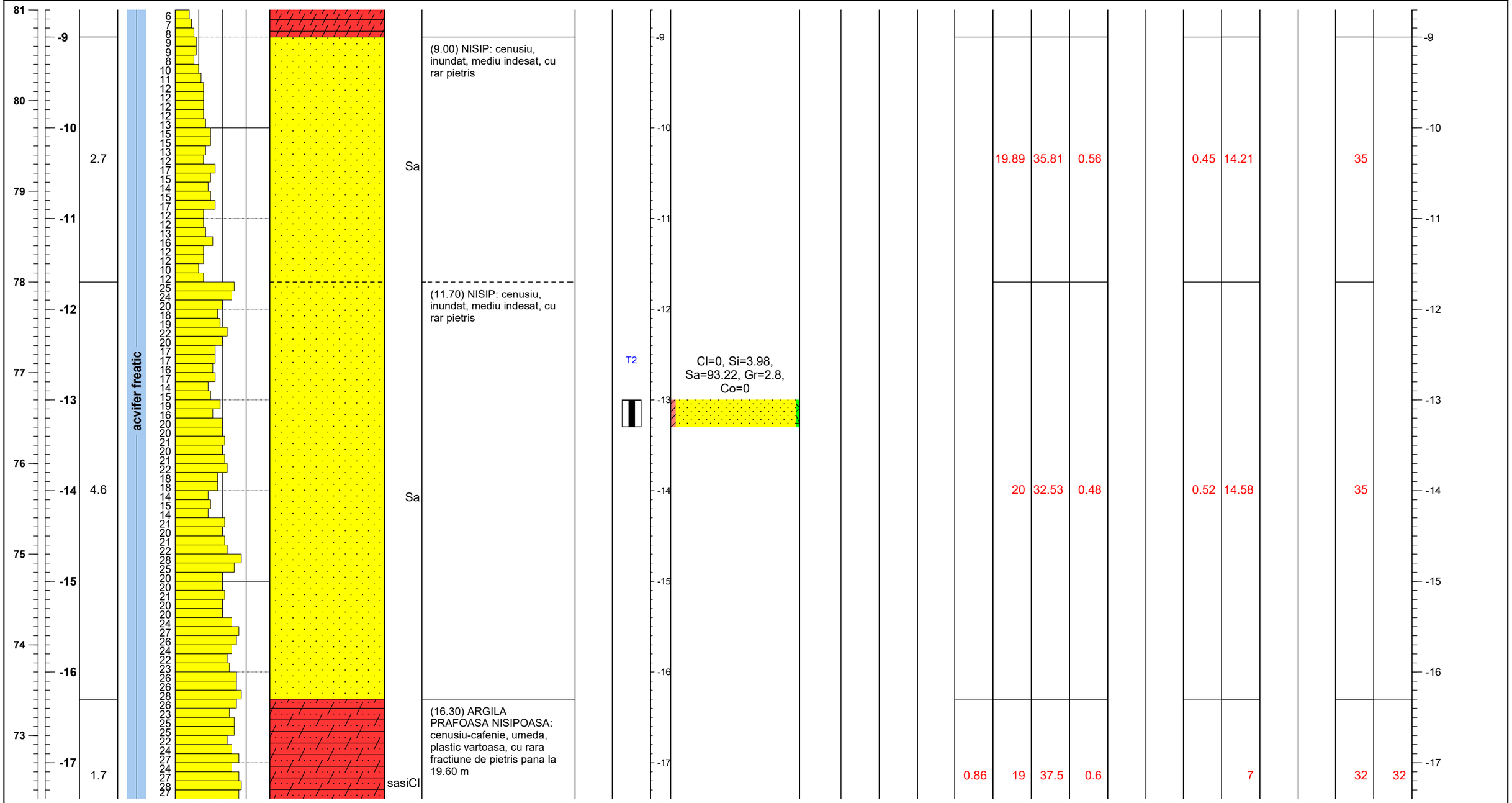
0356101020, 0745505153, office@geosond.ro

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Dsitributie granulometrica *Particle size distribution*: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*



																	19.89	35.81	0.56			0.45	14.21			35			
																	20	32.53	0.48			0.52	14.58			35			
																	0.86	19	37.5	0.6			7			32	32		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **17.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F14** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.70 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761941 **E** 21.251855 **Y (N)** 480436.53 **X (E)** 208658.88

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TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*: tip / *type:* DPH; H= 50 cm, G=50 kg; S con= 15 cm2; N 10

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Dsitributie granulometrica *Particle size distribution*: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*

Compresibilitate in edometru *Oedometer test*; Rezistenta la forfecare *Shear strength*

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Adancime / *Depth*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	$M_{200-300}$	ε_2	Im3	∅	c	Observatii / *Remarks*
m	m	m	m	N 10	-		-	m	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
72	-18	2			sasiCl	(18.00) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic vartoasa, cu rare zone feruginoase si calcaroase	N2	-18	Cl=25.5, Si=22.64, Sa=50.26, Gr=1.6, Co=0	*15.50*	*33.22*	*12.32*	*20.90*	*0.85*	*18.90*	*37.30*	*0.59*	*0.69*		*6.55*	*5.03*		*35.90*	*32.00*	
71	-19							-19																	
70	-20							-20																	
69	-21							-21																	
68	-22							-22																	
67	-23							-23																	
66	-24							-24																	
65	-25							-25																	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **22.08.2023**
Executant / *Driller:* **tehn. Jozsef TOTH**
Utilaj / *Drilling rig:* **Atlas Copco Cobra PROe**
Metoda de forare / *Drilling method:* **RKS1/2**
Recuperaj mediu / *Level related to:* **90 %** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F15** **Adancime totala** / *TD:* **12 m**
Cota forajului / *Borehole level:* **88.90 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761964 **E** 21.253204 **Y (N)** 480422.89 **X (E)** 208772.81

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Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* / Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution* (20% 20% 20% 20% 20%)	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	γ (kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
				tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2			Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.* Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																			
m	m	m	m	N 10				-	m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
88	0	0.1		31 14		n/a	(0.00) BETON		0																		
		1.4		2 3 2 2 6 13		Mg	(0.10) UMPLUTURA NEOMOGENA: formata din bucati de betoane si caramida, dispuse intr-o matrice argilos prafos nisipoasa		-1																		
87	-2	0.8		6 3 5 4 5 2		Mg	(1.50) UMPLUTURA NEOMOGENA: formata din bucati de caramida		-2																		
86	-3	0.6	NH= -3.60 m	3 3 2 2 2 2 2 2 2 3 2 3 4		sasiCl	(2.30) ARGILA PRAFOASA NISIPOASA: cenusiu-cafenie, plastic moale spre consistenta, bogata in oxizi de fier, concretiuni fero-manganoase si cu resturi vegetale										0.52	17.65	44.28	0.8			7.06			15	23	
		0.6		3 4 3 5 6 6		saclSi	(2.90) PRAF ARGILOS NISIPOS: cenusiu, putin umed, plastic consistent, cu usoare urme de oxizi de fier		-3								0.64	19.02	41.99	0.73			11.22			17	36	
85	-4	0.9		4 3 3 3 2 3 4		sasiCl	(3.50) ARGILA PRAFOASA NISIPOASA: cenusiu-cafenie, umeda, plastic consistenta, bogata in oxizi de fier		-4								0.58	17.95	43.77	0.78			7.76			16	25	
84	-5	1.4		4 5 4 3 4 3 3 3 3 3 3 4 3 3 3 3 3		sasiCl	(4.40) ARGILA PRAFOASA NISIPOASA: cenusiu-cafenie, umeda, plastic consistenta, bogata in oxizi de fier		-5								0.6	18.24	43.93	0.78			8.73			16	28	
83	-6	1		3 2 3 3 3 5		Sa	(5.80) NISIP: cenusiu, inundat, afanat		-6									18.55	41.15	0.7		0.25	6.57			29		
82	-7	2		4 5 6 6 7 6 7 8 8 7 8 9 9 9 10 10 11 10 11		saCl	(6.80) ARGILA NISIPOASA: cenusie, umeda, plastic consistenta spre vartoasa, cu concretiuni calcaroase		-7								0.78	20.4	38.32	0.62			16.36			18	64	
81	-8		ifer freatic						-8																		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* tehn. Jozsef TOTH

Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **22.08.2023**
Executant / *Driller:* **tehn. Jozsef TOTH**
Utilaj / *Drilling rig:* **Atlas Copco Cobra PROe**
Metoda de forare / *Drilling method:* **RKS1/2**
Recuperaj mediu / *Core recovery:* **90 %**
Cota fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F15** **Adancime totala** / *TD:* **12 m**
Cota forajului / *Borehole level:* **88.90 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761964 **E** 21.253204 **Y (N)** 480422.89 **X (E)** 208772.81

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*	Rezistenta la forfecare *Shear strength*	Observatii / *Remarks*
											Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*											$M_{200-300}$	ε_2 Im3	∅ c	
m	m	m	m	N 10				-	tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*	m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	% %	grade kPa	
		3.2	acv	11 12 13 10 12 11 13 15 13 10 9 8 10 12 13 10 11 12 11 10 12 13 15 14 13 12 10 11 11 12 13 10 12		MSa	(8.80) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat, cu elemente de pietris										19.5	36.35	0.57		0.5	12.19		33	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* tehn. Jozsef TOTH

Intocmit / *Prepared by:* ing. Robert MIHAI

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F16** **Adancime totala** / *TD:* **20 m**

Cota forajului / *Borehole level:* **89.96 m**

Pozitie / *Position:*

GPS **N** 45.761703 **E** 21.251815

STEREO 70 **Y (N)** 480402.92 **X (E)** 208657.45

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DATE DESPRE PROIECT / *PROJECT DATA:*

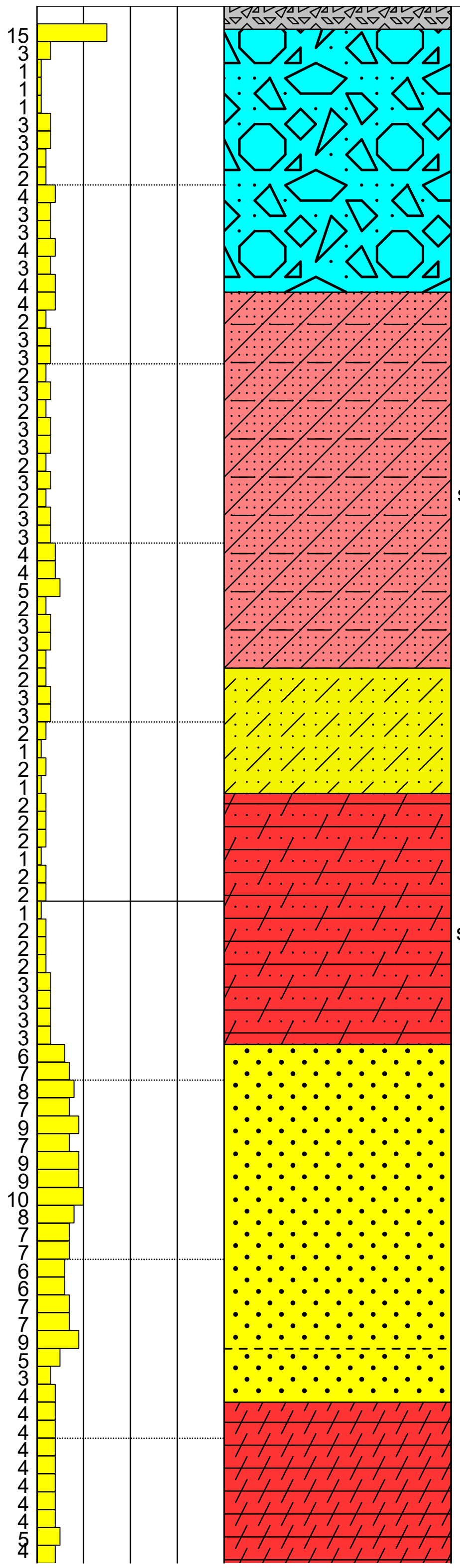
Proiect / *Project:*	**Studiu Geotehnic**
Obiectiv / *Objective:*	**Construire imobile 2S+P+10E**
Amplasament / *Location:*	**Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:*	**5788/2023**
Beneficiar / *Client:*	**SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:*	**18.08.2023**
Executant / *Driller:*	**TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:*	**BOHRGERAET DA72**
Metoda de forare / *Drilling method:*	**Uscat, cu hammer si col. de urmarire**
Recuperaj mediu /	**100%**
Cota fata de / *Level related to:*	**NMN**

TEST DE PENETRARE DINAMICA CU CON / *DYNAMIC PENETRATION TEST*: tip / *type:* DPH; H= 50 cm, G=50 kg; S con= 15 cm2; N 10

Apa subterana / *GW*: NH / *GWL* atinsa: NH= -4.30 m



Adancime / *Depth* (m)	Grosimea / *Thickness* (m)	Simbol / *Symbol*	DESCRIERE LITOLOGICA / *LITHOLOGIC DESCRIPTION*	Probe / *Samples*	Dsitributie granulometrica / *Particle size distribution*	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	γ (kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	M200-300 (MPa)	ε2 (%)	Im3 (%)	∅ (grade)	c (kPa)
0.00	0.13	n/a	(0.00) BETON																		
0.13	1.47	Mg	(0.13) UMPLUTURA NEOMOGENA: formata din bucati de caramida si pietris, dispuse intr-o matrice argiloasa, cafenie																		
1.60	2.1	saclSi	(1.60) PRAF ARGILOS NISIPOS: cafeniu deschisa, plastic moale spre plastic consistenta, bogata in oxizi de fier							0.52	17.75	44.19	0.79				7.23			16	12
3.70	0.7	siSa	(3.70) NISIP PRAFOS: cafeniu, afanat, cu oxizi de fier								18.35	46.12	0.86			0.18	5.51			23	
4.40	1.4	sasiCl	(4.40) ARGILA PRAFOASA NISIPOASA: cafeniu-cenusie, plastic consistenta, cu zone feruginoase	N1	Cl=22, Si=42.16, Sa=35.84, Gr=0, Co=0	20.00	31.49	10.85	20.65	0.56	19.43	38.00	0.61	0.87			7.27	5.00		27.90	27.00
5.80	1.7	MSa	(5.80) NISIP MIJLOCIU: cenusiu-cafeniu, inundat, mediu indesat								19.23	38.89	0.64			0.43	10.38			30	
7.50	0.3	MSa	(7.50) NISIP MIJLOCIU: cenusiu-cafeniu, inundat, afanat								19.66	42.5	0.74			0.29	7.29			26	
7.80	1.2	siCl	(7.80) ARGILA PRAFOASA: cenusie, umeda, plastic vartoasa	T1	Cl=38, Si=49.84, Sa=12.16, Gr=0, Co=0	23.94	114.09	12.22	101.87	0.88	18.34	41.87	0.72				10.8			18	35

Probe / *Samples*: tulburata / *disturbed*; NEtulb. / *UNdist.*; mediu / *environ.*

Dsitributie granulometrica: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles* (20% 20% 20% 20% 20%)

Compresibilitate in edometru / *Oedometer test*; Rezistenta la forfecare / *Shear strength*; Observatii / *Remarks*

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP / *values obtainned on DP test*

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **18.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F16** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.96 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761703 **E** 21.251815 **Y (N)** 480402.92 **X (E)** 208657.45

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Dsitributie granulometrica *Particle size distribution*: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*

Cota	Adancime	Grosime	Descriere litologica	Simbol	Strat.	Probe	Adancime	Observatii
81	-9	0.7	(9.00) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat	MSa			-9	
80	-10		(9.70) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat				-10	
79	-11						-11	
78	-12					T2	-12	
77	-13	6.9		MSa			-13	Cl=0, Si=4.13, Sa=89.29, Gr=6.58, Co=0
76	-14						-14	
75	-15						-15	
74	-16					N2	-16	Cl=34, Si=31.06, Sa=34.94, Gr=0, Co=0
73	-17	1.4	(16.60) ARGILA PRAFOASA NISIPOASA: cenudiu-cafenie, umeda, plastic vartoasa, bogata in oxizi de fier	sasiCl			-17	

acvifer freatic

Cota	W	WL	Wp	Ip	Ic	kN/m3	n	e	Sr	k	Id	$M_{200-300}$	ε_2	Im3	$\varnothing$	c
81						19.21	38.78	0.63			0.44	10.5			30	
77						18.68	35.35	0.55			0.54	13.22			33	
73	*20.85*	*43.00*	*16.61*	*26.39*	*0.84*	*19.87*	*37.00*	*0.58*	*0.94*			*6.55*	*3.55*		*22.20*	*42.00*

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **18.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / **100%**
Cota fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F16** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.96 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.761703 **E** 21.251815 **Y (N)** 480402.92 **X (E)** 208657.45

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* atinsa / NH / *GWL*	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
72	-18			18			(18.00) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic vartoasa, cu concretiuni calcaroase			-18																		
				19																								
				20																								
				21																								
				20																								
				22																								
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				24																								
71	-19	2		25						-19						0.86	20	36.84	0.5			7			23	45		
				27																								
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				28																								
				30																								
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				32																								
				33																								
70	-20			34						-20																		
				35																								
69	-21									-21																		
68	-22									-22																		
67	-23									-23																		
66	-24									-24																		
65	-25									-25																		

sasiCl

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **04.09.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de / **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F17** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **88.87 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.763079 **E** 21.251718 **Y (N)** 480549.72 **X (E)** 208656.35

GEOSOND studii geotehnice cercetari geologice
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Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution*	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	γ (kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id (-)	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε_2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
				tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2					tulburata *disturbed* NEtulb. *UNdist.* mediu *environ.*		Argila / *Clay* Praf / *Silt* Nisip / *Sand* Pietris / *Gravel* Bolovanis / *Cobbles*																	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
88	0	0.2				n/a	(0.00) BETON			0																		
		0.8				Mg	(0.20) UMPLUTURA NEOMOGENA: formata din bucati de caramida, diapuse intr-o matrice prafos nisipoasa, cafeniu inchisa		T1		Cl=25, Si=49.42, Sa=25.38, Gr=0.2, Co=0																	
87	-1	1				sasiCl	(1.00) ARGILA PRAFOASA NISIPOASA: cafenie, plastic consistenta, cu zone feruginoase			-1						0.54	16.57	45.81	0.85			4.73			15	15	
	-2	1.4	NH= -3.0 m			siSa	(2.00) NISIP PRAFOS: cenusiu, inundat, afanat			-2							18.44	44.85	0.81		0.21	8			29		
86	-3						(3.40) NISIP PRAFOS: cenusiu, inundat, mediu indesat			-3																	
85	-4	1.6				siSa			T2	-4	Cl=0, Si=6.53, Sa=90.05, Gr=3.42, Co=0						18.97	40.49	0.68		0.37	13.15			31		
84	-5	1.4				Sa	(5.00) NISIP: cenusiu, inundat, mediu indesat			-5							18.93	40.75	0.69		0.36	12.91			30		
83	-6								N1	-6	Cl=34, Si=49.22, Sa=16.78, Gr=0, Co=0																
82	-7	1				siCl	(6.40) ARGILA PRAFOASA: cenusie, umeda, plastic consistenta			-7		*25.03*				0.66	21.48	41.25	0.7			10.77			*7.40*	*66.00*	
81	-8	1.6				siSa	(7.40) NISIP PRAFOS: cenusiu, inundat, mediu indesat			-8							18.95	40.5	0.68		0.36	13.03			30		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **04.09.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F17** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **88.87 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.763079 **E** 21.251718 **Y (N)** 480549.72 **X (E)** 208656.35

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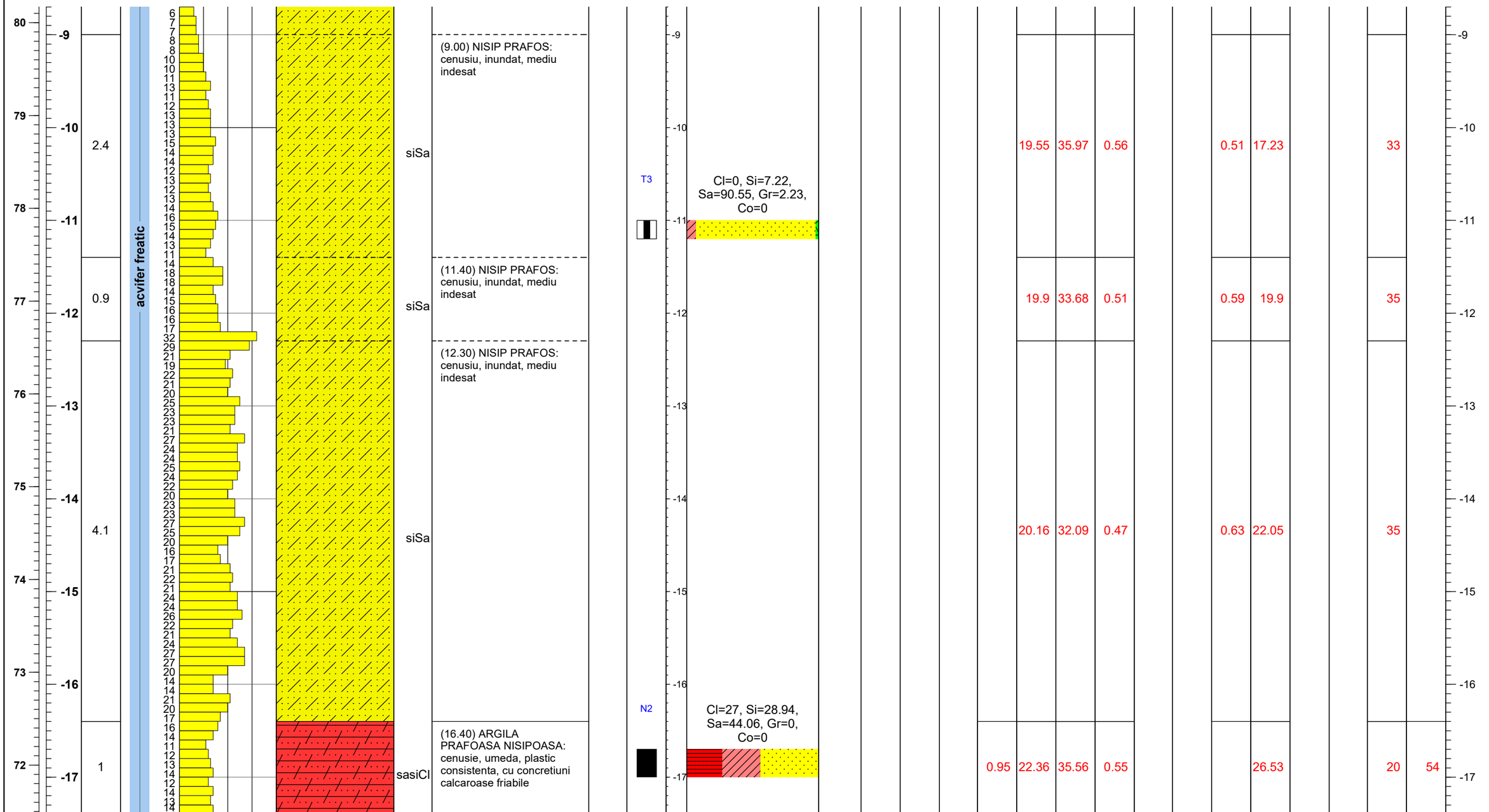
Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Dsitributie granulometrica *Particle size distribution*: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*



2.4																	19.55	35.97	0.56			0.51	17.23			33			
0.9																	19.9	33.68	0.51			0.59	19.9			35			
4.1																	20.16	32.09	0.47			0.63	22.05			35			
1																	0.95	22.36	35.56	0.55			26.53			20	54		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **04.09.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F17** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **88.87 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.763079 **E** 21.251718 **Y (N)** 480549.72 **X (E)** 208656.35

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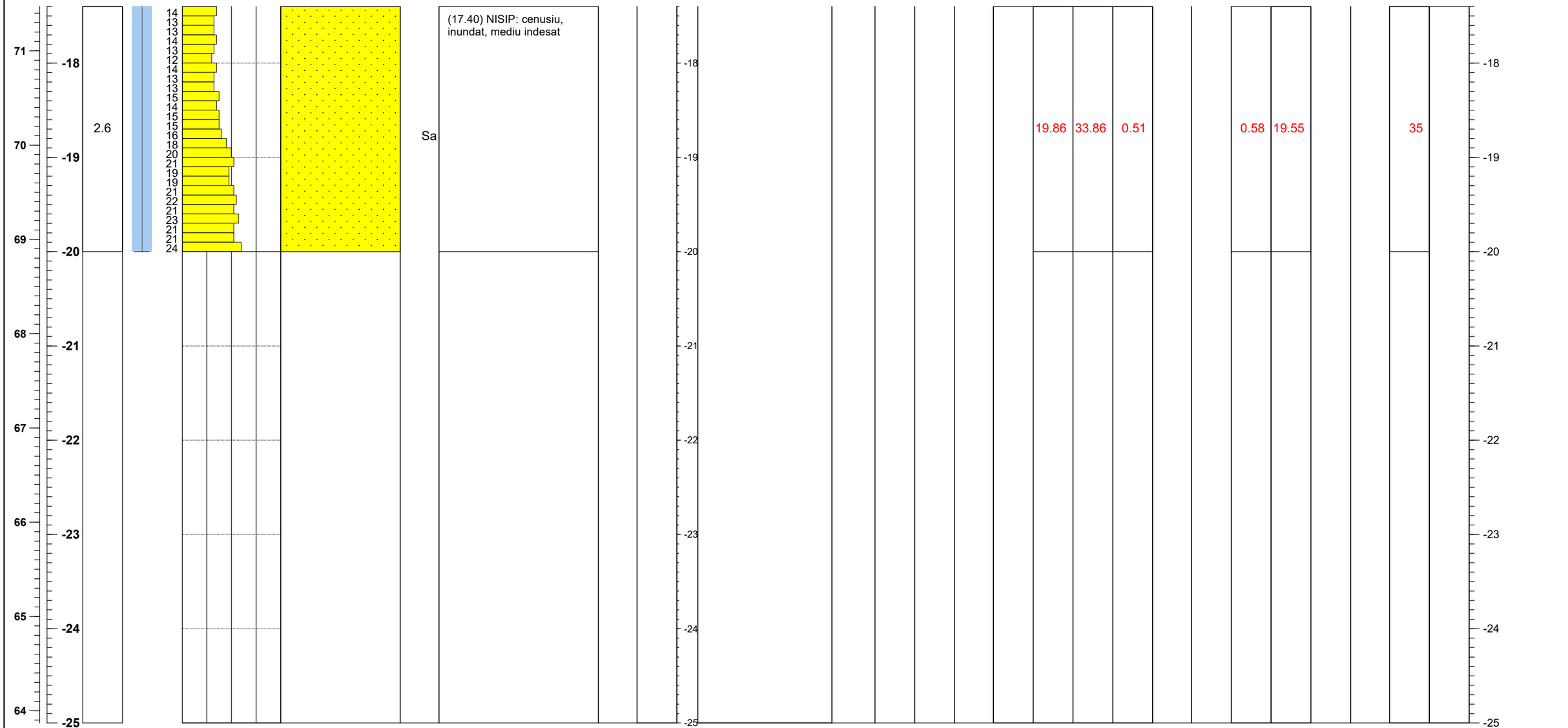
Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

Probe *Samples*: tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*

Dsitributie granulometrica *Particle size distribution*: Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles*

TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*: tip / *type:* DPH; H= 50 cm, G=50 kg; S con= 15 cm2



-18	2.6					Sa	(17.40) NISIP: cenusiu, inundat, mediu indesat			-18							19.86	33.86	0.51			0.58	19.55		35		
-19										-19																	
-20										-20																	
-21										-21																	
-22										-22																	
-23										-23																	
-24										-24																	
-25										-25																	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **28.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Core recovery:* **100%**
Cota raportata fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* 5788-F18 **Adancime totala / *TD:* 20 m**
Cota forajului / *Borehole level:* 88.50 m

GPS **Pozitie / *Position:*** **STEREO 70**
N 45.762207 **E** 21.250941 **Y (N)** 480458.92 **X (E)** 208593.31

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* atinsa NH / *GWL*	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-	tulburata *disturbed* / NEtulb. *UNdist.* / mediu *environ.*	m	Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles* 20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
88	0	0.2				n/a	(0.00) BETON			0																			
		0.4				Mg	(0.20) UMPLUTURA NEOMOGENA: formata din bucati de caramida, dispuse intr-o matrice argilos prafoasa nisipoasa, cafenie																						
87	-1	0.8				sasiCl	(0.60) ARGILA PRAFOASA NISIPOASA: cafeniu deschisa, plastic consistenta									0.51	15.3	48.82	0.95			5.89				15	
		0.5				Sa	(1.40) NISIP: cenusiu, afanat										18.35	46.03	0.85		0.18	5.51			28		
86	-2	1.7	NH= -2.80 m			Sa	(1.90) NISIP: cenusiu, umed, afanat										18.61	43.19	0.76		0.26	6.87			29		
85	-3	1.3				sasiCl	(3.60) ARGILA PRAFOASA NISIPOASA: cenusiu-cafenie, umeda, plastic consistenta, cu concretiuni feruginoase		T1		Cl=24, Si=37.52, Sa=38.16, Gr=0.32, Co=0	*20.23*	*30.51*	*11.51*	*19.00*	*0.54*	17.55	44.4	0.8			6.9				22	
84	-4																												
83	-5	0.8				Sa	(4.90) NISIP: cenusiu, inundat, mediu indesat										18.97	39.19	0.64		0.37	8.91			31		
		0.3				Sa	(5.70) NISIP: cenusiu, inundat, mediu indesat		N1		Cl=32, Si=54.64, Sa=13.04, Gr=0.32, Co=0						19.67	45.33	0.83		0.54	13.33			34		
82	-6	0.7				siCl	(6.00) ARGILA PRAFOASA: cenusie, umeda, plastic consistenta,					*25.80*	*49.34*	*15.57*	*33.77*	*0.70*	*19.14*	*41.70*	*0.71*	*0.96*		*5.88*	*4.00*		*13.50*	*41.00*	
	-7	1.3				siCl	(6.70) ARGILA PRAFOASA: cenusie, umeda, plastic consistenta,									0.7	18.97	38.22	0.62			6.75			18	50	
81	-8						(8.00) NISIP PRAFOS: cenusiu, inundat, mediu indesat																					
80																													

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **28.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / **100%**
Cota fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F18** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **88.50 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762207 **E** 21.250941 **Y (N)** 480458.92 **X (E)** 208593.31

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Cota absoluta / relativa *Absolute level / relative lev.* (m)	Adancimea *Depth* (m)	Grosimea *Thickness* (m)	Apa subterana / *GW* NH / *GWL* atinsa (m)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST* tip / *type:* DPH H= 50 cm, G=50 kg S con= 15 cm2 (N 10)	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol* (-)	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY* (-)	Probe *Samples* (tulburata *disturbed*, NEtulb. *UNdist.*, mediu *environ.*)	Adancime / *Depth* (m)	Dsitributie granulometrica *Particle size distribution* (Argila / *Clay*, Praf / *Silt*, Nisip / *Sand*, Pietris / *Gravel*, Bolovanis / *Cobbles*) (20% 20% 20% 20% 20%)	W (%)	WL (%)	Wp (%)	Ip (%)	Ic (-)	γ (kN/m3)	n (%)	e (-)	Sr (-)	k (cm/s)	Id	Compresibilitate in edometru *Oedometer test* M200-300 (MPa)	ε2 (%)	Im3 (%)	Rezistenta la forfecare *Shear strength* ∅ (grade)	c (kPa)	Observatii / *Remarks*
-9		2.3				siSa			T2	-9	Cl=0, Si=8.71, Sa=90.71, Gr=0.58, Co=0						20.17	34.89	0.54			0.54	16.92			36		
-10							(10.30) NISIP: cenusiu, inundat, mediu indesat			-10																	
-11		1.7				Sa				-11							20.31	31.91	0.47			0.66	18			37		
-12		1.4				siSa	(12.00) NISIP PRAFOS: cenusiu, inundat, mediu indesat		T3	-12	Cl=0, Si=5.23, Sa=93.91, Gr=0.86, Co=0						19.96	31.19	0.45			0.6	15.31			35		
-13										-13																	
-14							(13.40) NISIP: cenusiu, inundat, mediu indesat			-14																	
-15		3.3				Sa				-15							19	33.38	0.5			0.6	15			35		
-16										-16																	
-17							(16.70) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta, cu zone feruginoase		N2	-17	Cl=20, Si=25.76, Sa=52.18, Gr=2.06, Co=0	*17.51*	*29.60*	*10.59*	*19.02*	*0.64*	*19.85*	*35.30*	*0.54*	*0.86*			*6.15*	*4.10*		*22.20*	*77.00*	

Acvifer freatic

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **28.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / **100%**
Cota fata de / *Level related to:* **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F18** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **88.50 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762207 **E** 21.250941 **Y (N)** 480458.92 **X (E)** 208593.31

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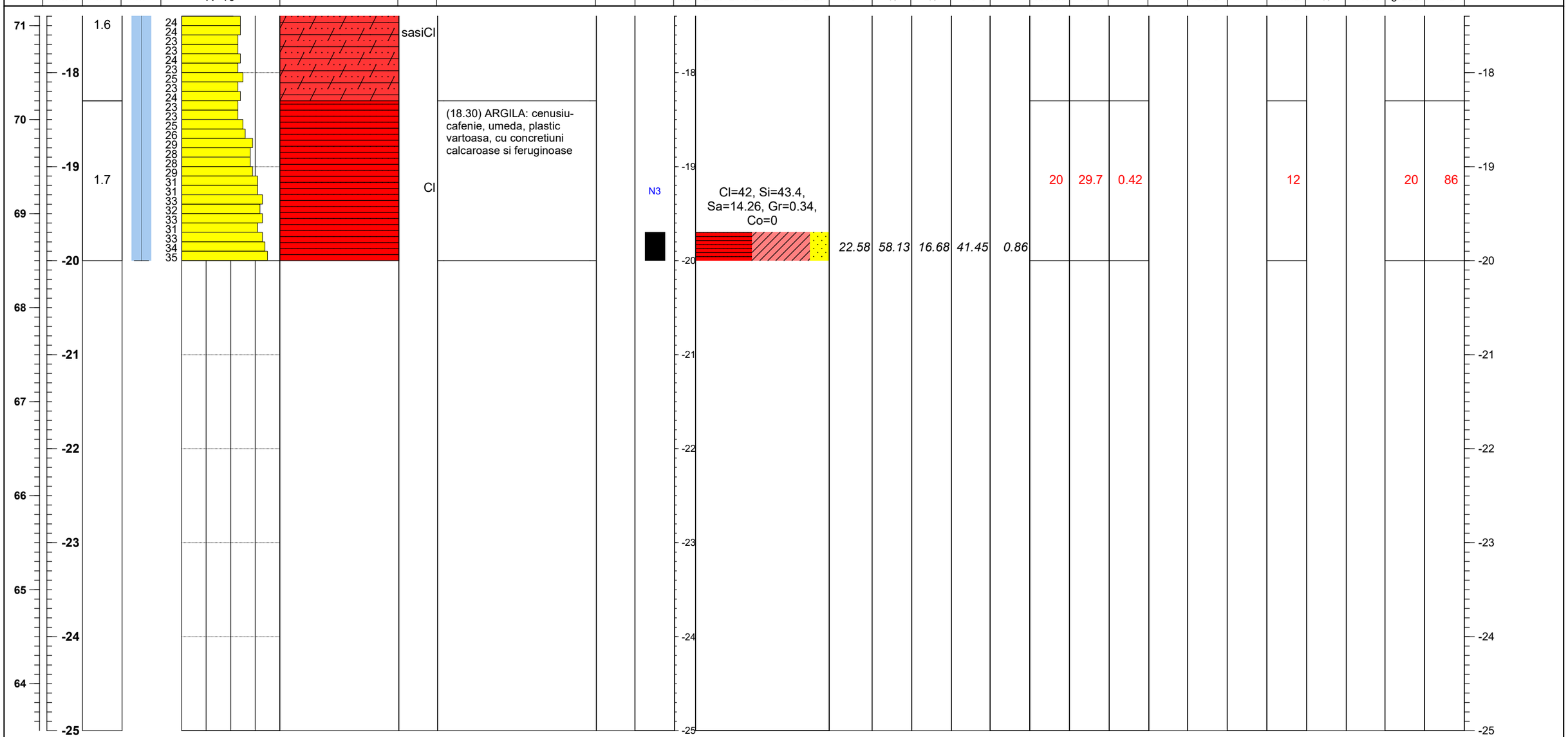

Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* (NH / *GWL* atinsa)	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	$\varnothing$	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
71	0	1.6		24 24 23 23 24 24 23 25 26 29 28 28 29 31 31 33 32 33 31 33 34 35		sasiCl				0																		
-18	1.6						(18.30) ARGILA: cenusiu-cafenie, umeda, plastic vartoasa, cu concretiuni calcaroase si feruginose			1.6																		
70		1.7				Cl			N3		Cl=42, Si=43.4, Sa=14.26, Gr=0.34, Co=0	22.58	58.13	16.68	41.45	0.86	20	29.7	0.42				12			20	86	
-19	3.3									3.3																		
69																												
-20	5.0									5.0																		
68																												
-21																												
67																												
-22																												
66																												
-23																												
65																												
-24																												
64																												
-25	8.3									8.3																		

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **24.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F19** **Adancime totala** / *TD:* **20** **m**
Cota forajului / *Borehole level:* **88.24 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762365 **E** 21.250422 **Y (N)** 480474.94 **X (E)** 208538.05

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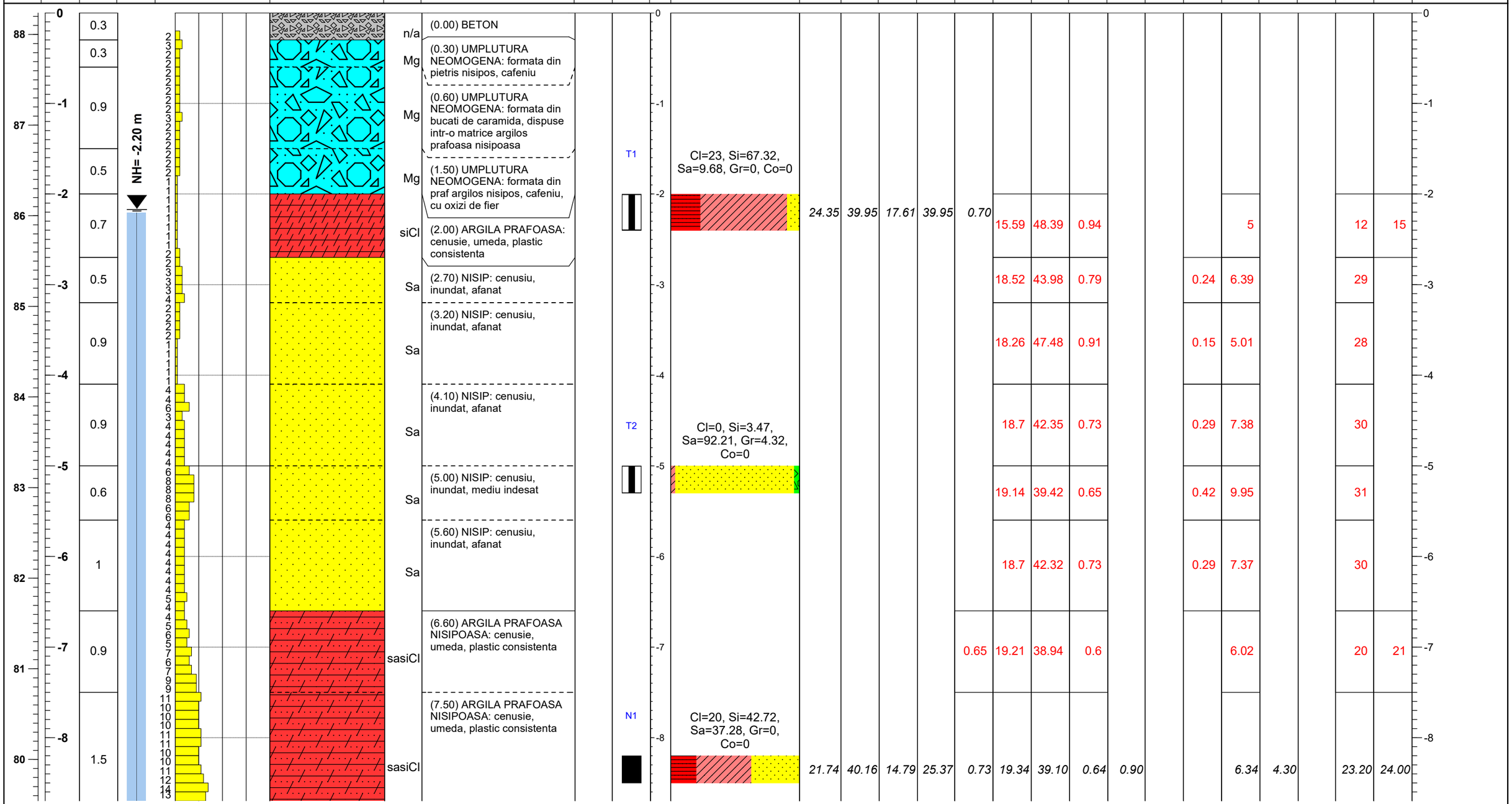
Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	



0.3	0.3	n/a	(0.00) BETON																										
0.9	0.6	Mg	(0.30) UMPLUTURA NEOMOGENA: formata din pietris nisipos, cafeniu																										
0.5	1.5	Mg	(0.60) UMPLUTURA NEOMOGENA: formata din bucati de caramida, dispuse intr-o matrice argilos prafoasa nisipoasa																										
0.7	2.0	Mg	(1.50) UMPLUTURA NEOMOGENA: formata din praf argilos nisipos, cafeniu, cu oxizi de fier	T1	Cl=23, Si=67.32, Sa=9.68, Gr=0, Co=0	*24.35*	*39.95*	*17.61*	*39.95*	*0.70*	15.59	48.39	0.94				5			12	15	
0.5	2.5	siCl	(2.00) ARGILA PRAFOASA: cenusie, umeda, plastic consistenta																										
0.5	3.0	Sa	(2.70) NISIP: cenusiu, inundat, afanat														18.52	43.98	0.79		0.24	6.39			29				
0.9	3.9	Sa	(3.20) NISIP: cenusiu, inundat, afanat														18.26	47.48	0.91		0.15	5.01			28				
0.9	4.8	Sa	(4.10) NISIP: cenusiu, inundat, afanat	T2	Cl=0, Si=3.47, Sa=92.21, Gr=4.32, Co=0						18.7	42.35	0.73				0.29	7.38			30				
0.6	5.4	Sa	(5.00) NISIP: cenusiu, inundat, mediu indesat														19.14	39.42	0.65		0.42	9.95			31				
1	6.4	Sa	(5.60) NISIP: cenusiu, inundat, afanat														18.7	42.32	0.73		0.29	7.37			30				
0.9	7.3	sasiCl	(6.60) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta																										
1.5	8.8	sasiCl	(7.50) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic consistenta	N1	Cl=20, Si=42.72, Sa=37.28, Gr=0, Co=0	*21.74*	*40.16*	*14.79*	*25.37*	*0.73*	*19.34*	*39.10*	*0.64*	*0.90*			*6.34*	*4.30*			*23.20*	*24.00*	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **24.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F19** **Adancime totala** / *TD:* **20** **m**
Cota forajului / *Borehole level:* **88.24 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762365 **E** 21.250422 **Y (N)** 480474.94 **X (E)** 208538.05

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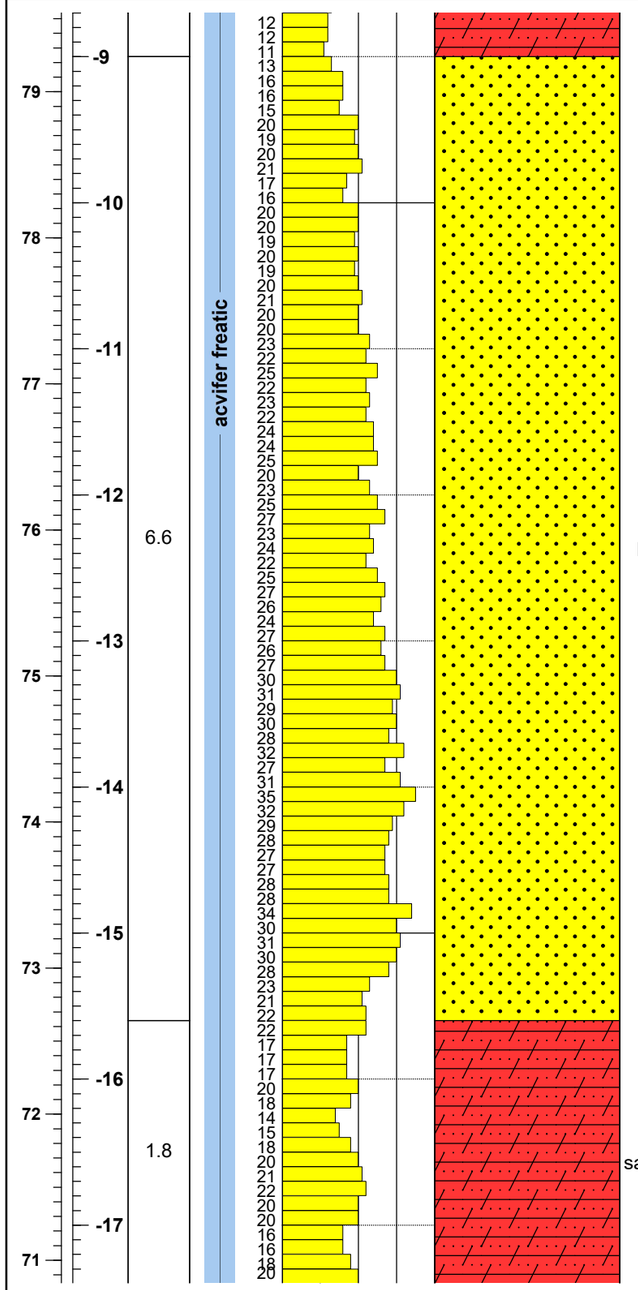
Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-	environ.	m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	



							(9.00) NISIP MIJLOCIU: cenusiu, inundat, mediu indesat			-9																			
										-10																			
										-11																			
	6.6					MSa			T3	-12	Cl=0, Si=3.56, Sa=79.84, Gr=16.6, Co=0							20.28	31.36	0.46			0.66	17.78		32		
										-13																			
										-14																			
										-15																			
	1.8					sasiCl	(15.60) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic vartoasa		N2	-16	Cl=28, Si=26.2, Sa=45.8, Gr=0, Co=0	*17.53*	*37.92*	*13.52*	*24.41*	*0.84*	*19.67*	*35.90*	*0.56*	*0.83*			*9.30*	*2.40*		*18.60*	*65.00*	
										-17																			

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **24.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **NMN**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F19** **Adancime totala** / *TD:* **20** **m**
Cota forajului / *Borehole level:* **88.24 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762365 **E** 21.250422 **Y (N)** 480474.94 **X (E)** 208538.05

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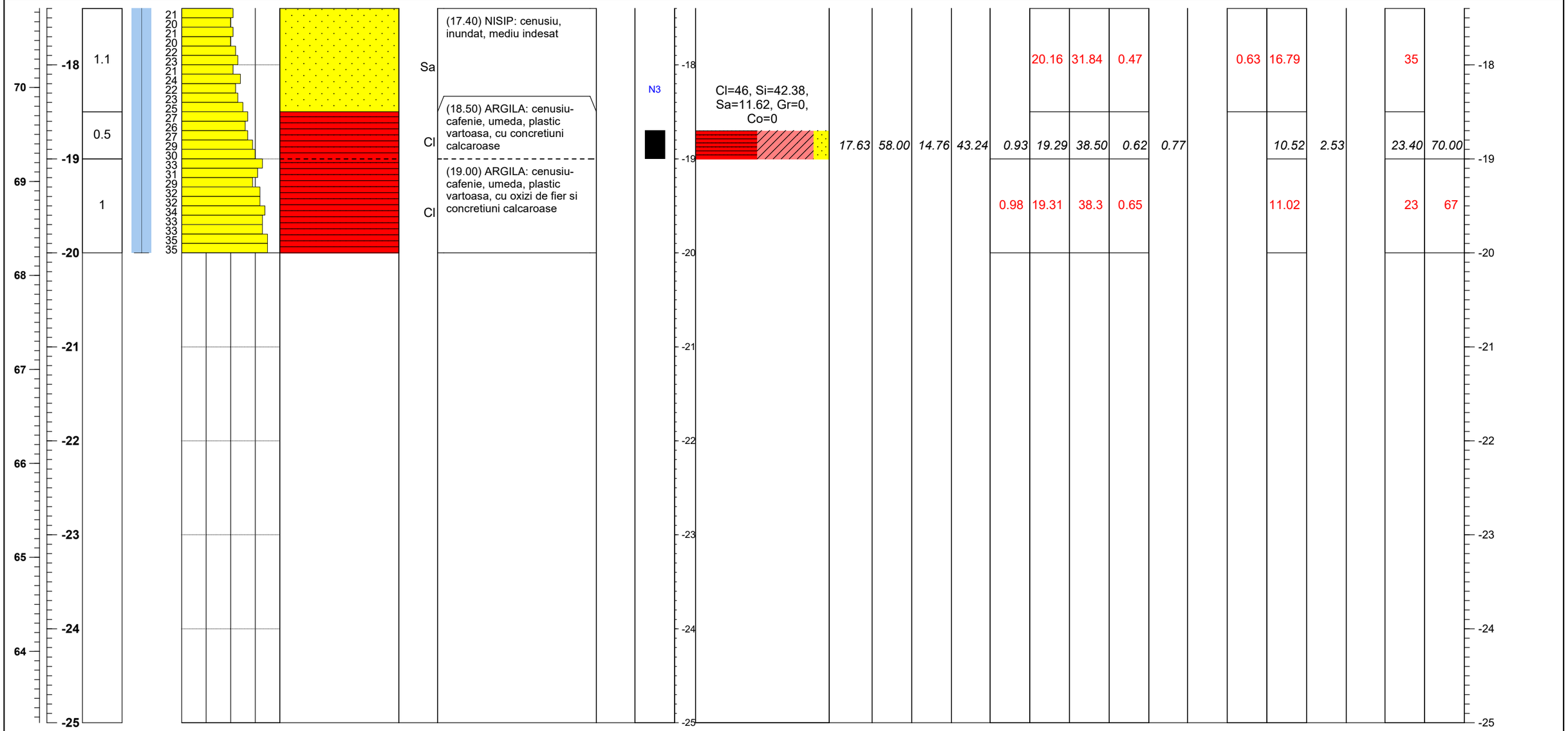

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **07.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de / **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F20** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.28 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762341 **E** 21.252584 **Y (N)** 480461.19 **X (E)** 208714.81

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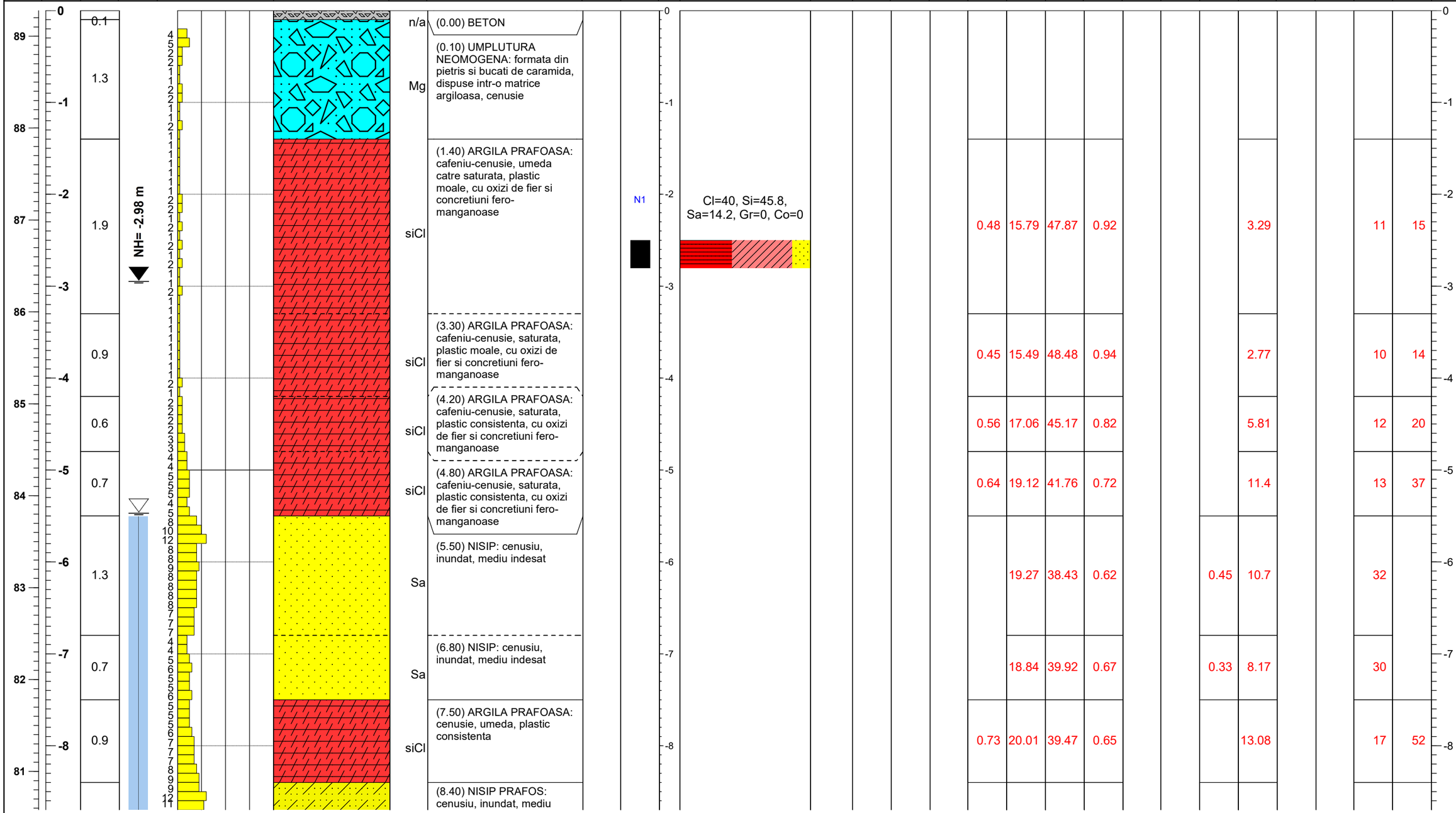
Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples* / Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	φ	c	
m	m	m	m	N 10				-	m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	

tulburata *disturbed*; NEtulb. *UNdist.*; mediu *environ.*



1.9									N1	Cl=40, Si=45.8, Sa=14.2, Gr=0, Co=0					0.48	15.79	47.87	0.92				3.29			11	15	
0.9															0.45	15.49	48.48	0.94				2.77			10	14	
0.6															0.56	17.06	45.17	0.82				5.81			12	20	
0.7															0.64	19.12	41.76	0.72				11.4			13	37	
1.3																19.27	38.43	0.62				10.7	0.45		32		
0.7																18.84	39.92	0.67				8.17	0.33		30		
0.9															0.73	20.01	39.47	0.65				13.08			17	52	

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **07.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de / **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F20** **Adancime totala** / *TD:* **20** **m**
Cota forajului / *Borehole level:* **89.28 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762341 **E** 21.252584 **Y (N)** 480461.19 **X (E)** 208714.81

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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic	γ	n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																							$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-		m	20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
80	-9	1.6		10 12 12 10 11		siSa	indesat			-9							19.46	36.54	0.58			0.49	11.93			33		
79	-10			10 11 10 10 11																								
		2		12 12 12 12 11			(10.00) NISIP: cenusiu, inundat, mediu indesat										19.55	35.95	0.56			0.51	12.52			33		
78	-11			12 10 10 11 10		Sa			T1	-11	Cl=0, Si=4.45, Sa=89.74, Gr=5.81, Co=0																	
				10 10 12 13 15																								
77	-12			16 10 13 13 13																								
				14 13 12 12 13			(12.00) NISIP: cenusiu, inundat, mediu indesat																						
				14 14 17 16 15																								
76	-13	2.1		15 15 14 13 11		Sa				-13							19.56	35.94	0.56			0.52	12.56			33		
				12 10 10 10 10																								
				10 10 10 10 10																								
75	-14			10 9 9 10 9			(14.10) NISIP: cenusiu, inundat, mediu indesat																						
				10 11 10 11 7																								
		1.4		8 8 8 9 9													19.33	37.84	0.61			0.46	11.07			32		
74	-15			10 12 12 17 13		Sa				-15																		
				14 12 12 13 13					T2		Cl=0, Si=2.06, Sa=94.91, Gr=3.03, Co=0																	
				13 15 17 15 17			(15.50) NISIP: cenusiu, inundat, mediu indesat																						
73	-16	1.3		16 15 22 13 20		Sa				-16								35.43	0.55							34		
									N2		Cl=20, Si=46.96, Sa=32.7, Gr=0.34, Co=0																	
72	-17						(16.80) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic vartoasa, cu oxizi de fier si			-17		*20.01*	*47.41*	*14.35*	*33.06*	*0.83*	19.58	*37.50*	*0.59*	*0.89*			*13.33*	*1.43*		*16.10*	*121.00*	

acvifer freatic

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI

DATE DESPRE PROIECT / *PROJECT DATA:*

Proiect / *Project:* **Studiu Geotehnic**
Obiectiv / *Objective:* **Construire imobile 2S+P+10E**
Amplasament / *Location:* **Spl. Penes Curcanul, nr. 5 Timisoara jud. Timis**
Nr. proiect / *Project no.:* **5788/2023**
Beneficiar / *Client:* **SC COBBLESTONE DEVELOPMENT SRL**

DATE DESPRE FORAJ / *BOREHOLE DATA:*

Perioada de executie / *Drilling date:* **07.08.2023**
Executant / *Driller:* **TERRASOND VERTIKAL srl**
Utilaj / *Drilling rig:* **BOHRGERAET DA72**
Metoda de forare / *Drilling method:* **Uscat, cu hammer si col. de urmarire**
Recuperaj mediu / *Level related to:* **100%** fata de **n/a**

FISA FORAJULUI / *BOREHOLE LOG*

Foraj / *Borehole:* **5788-F20** **Adancime totala** / *TD:* **20 m**
Cota forajului / *Borehole level:* **89.28 m**

GPS **Pozitie** / *Position:* **STEREO 70**
N 45.762341 **E** 21.252584 **Y (N)** 480461.19 **X (E)** 208714.81

GEOSOND studii geotehnice cercetari geologice
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Cota absoluta / relativa *Absolute level / relative lev.*	Adancimea *Depth*	Grosimea *Thickness*	Apa subterana / *GW* NH / *GWL* atinsa	TEST DE PENETRARE DINAMICA CU CON *DYNAMIC PENETRATION TEST*	PROFIL LITOLOGIC *LITHOLOGIC PROFILE*	Simbol *Symbol*	DESCRIERE LITOLOGICA *LITHOLOGIC DESCRIPTION*	STRATIGRAFIE *STRATIGRAPHY*	Probe *Samples*	Adancime / *Depth*	Dsitributie granulometrica *Particle size distribution*	W	WL	Wp	Ip	Ic		n	e	Sr	k	Id	Compresibilitate in edometru *Oedometer test*			Rezistenta la forfecare *Shear strength*		Observatii / *Remarks*
																						$M_{200-300}$	ε_2	Im3	∅	c	
m	m	m	m	N 10				-	tulburata *disturbed* / NEtulb. *UNdist.* / mediu *environ.*	m	Argila / *Clay*; Praf / *Silt*; Nisip / *Sand*; Pietris / *Gravel*; Bolovanis / *Cobbles* 20% 20% 20% 20% 20%	%	%	%	%	-	kN/m3	%	-	-	cm/s		MPa	%	%	grade	kPa	
		2.2		18 19 22 21 18 19 18 18 19 18 21 21 23 24 23 27 30 30 30 28 34 32 33 35 33 37		sasiCl	concretiuni calcaroase																					
	-18									-18																	
	-19	1				sasiCl	(19.00) ARGILA PRAFOASA NISIPOASA: cenusie, umeda, plastic vartoasa, cu oxizi de fier si concretiuni calcaroase			-19					0.91	20	26	0.41				14			20	130	
	-20									-20																	
	-21									-21																	
	-22									-22																	
	-23									-23																	
	-24									-24																	
	-25									-25																	

71 70 69 68 67 66 65

NOTE: prezenta stratificatie nu poate fi extinsa pentru intregul amplasament prospectat; ea este valabila doar pentru acest foraj
this lithology cannot be extended for the whole investigated site; it reffers only to this borehole.

valori obtinute prin testul DP
values obtainned on DP test

Executant foraj / *Chief driller:* TERRASOND VERTIKAL srl Intocmit / *Prepared by:* ing. Robert MIHAI