ALTEA & GEOSTUDIO 2000 BH-LOG

ALTEA GEOSTUDIO	ALTEA & GEOSTUDIO 2000 BH-LOG					Hole ID/ Emri i Shpimit	BH-9
						Sheet/Fleta	1 of 7
Location/ Vendi		Drilling Method/ Metoda e shpimit	Rotary/ Me Rrotullim	Coordinates/ Koordinatat	E	368567.84	
Project/ Projekti	INTEGRATED COMMERCIAL PORT OF DURRES IN PORTO ROMANO	Drilling Rig/ Sonda	ASTRA		N	4583311.61	
		Driller	E. BUCI	Ground Level/ Kuota e shpimit	Z	-1.11	
Client/ Klienti	Abkons Sh.p.k	On Site Geologist/ Gjeologu në Terren	Eng. A. BARDHI	Orientation/ Orientimi i Shpimit		Vertical/ Vertikale	
Consultant/ Konsultanti		Logged by/ Punoi	Eng. A. MEÇO	Date Started/ Data e fillimit		10.05.2022	
Contract No./ Nr. i Kontratës		Checked by/ Kontrolloi	Eng. S. ALLKJA	Date Finished/ Data e mbarimit		12.05.2022	

Elevation/Kuota from a.s.l/nga n.d [m]	Depth/Thellësia from G.L/nga toka	Depth of layers/ Thellësia e shtresave [m]	Water Level/ Niveli i Ujit [m]	Legend/ Legjenda	Lithological Description/ Përshkrimi Litologjik	SPT Test/ Prova e SPT-së: Test depth/ Thellësia e provës [m]	N_{value}/N2+N3 Vlera e N-SPT	SPT type/ Tipi i SPT	PP q_u [kPa]	Sampling/ Kampionimi: Sample Type/ Tipi i	Depths/ Thellësitë [m]	ROCK QUALITY DESIGNATION: RQD %	TCR %	Fractures/ Çarjet [c/ml]	Permeability Tests/ Provat e Përshkueshmërisë: Lefranc [m/s]	Lugeon [uL]
-1.11	0.0	0.00														
	1		1.50		Top soil: Soft, beige to grey, silty CLAY to clayey SILT. Containing root of plants and fragments of shells.								100			
	2												100			
						2.00-2.45	7	S					100			
-3.91		2.80											100			
	3												100			
	4					4.00-4.45	43	S					100			
										D	4.00-5.00		100			
	5												100			
	6				Loose to medium dense, green grey, fine SAND. Containing gravel, fragments of shells a little organic matter.	6.00-6.45	43	S					100			
	7												100			
	8					8.00-8.45	31	S					100			
	9												100			
										D	9.40-10.00		100			
-11.11	10	10.00														

Notes: SP = Stand Pipe; BS = Bulk Sample; D = Disturbed sample; SC = Special Core; Dspt = Sample from SPT;
U = Undisturbed sample; C= Core sample from rock; pp = pocket penetrometer; SPT = standart penetration test.

ALTEA & GEOSTUDIO 2000 BH-LOG

ALTEA GEOSTUDIO						Hole ID/ Emri i Shpimit	BH-9
						Sheet/Fleta	2 of 7
Location/ Vendi		Drilling Method/ Metoda e shpimit	Rotary/ Me Rrotullim	Coordinates/ Koordinatat	E	368567.84	
Project/ Projekti	INTEGRATED COMMERCIAL PORT OF DURRES IN PORTO ROMANO	Drilling Rig/ Sonda	ASTRA		N	4583311.61	
		Driller	E. BUCI	Ground Level/ Kuota e shpimit	Z	-1.11	
Client/ Klienti	Abkons Sh.p.k	On Site Geologist/ Gjeologu në Terren	Eng. A. BARDHI	Orientation/ Orientimi i Shpimit		Vertical/ Vertikale	
Consultant/ Konsultanti		Logged by/ Punoi	Eng. A. MEÇO	Date Started/ Data e fillimit		20.04.2022	
Contract No./ Nr. i Kontratës		Checked by/ Kontrolloi	Eng. S. ALLKJA	Date Finished/ Data e mbarimit		21.04.2022	

Elevation/Kuota from a.s.l/nga n.d [m]	Depth/Thellësia from G.L/nga toka	Depth of layers/ Thellësia e shtresave [m]	Water Level/ Niveli i Ujit [m]	Legend/ Legjenda	Lithological Description/ Përshkrimi Litologjik	SPT Test/ Prova e SPT-së: Test depth/ Thellësia e provës [m]	N_{value}/N2+N3 Vlera e N-	SPT type/ Tipi i SPT	PP q_u [kPa]	Sampling/ Kampionimi: Sample Type/ Tipi i	Depths/ Thellësitë [m]	ROCK QUALITY DESIGNATION: RQD %	TCR %	Fractures/ Çarjet [c/m]	Permeability Tests/ Provat e Përshkueshmërisë: Lefranc [m/s]	Lugeon [uL]
-1.11	10.0	10.00														
						10.00-10.45	19	S								
									80				100			
									80							
	11								80							
									80							
									80				100			
									80							
	12								80							
						12.00-12.45	9	S	80							
									80				100			
									80							
	13								80							
									80							
									80				100			
									80							
	14								80							
						14.00-14.45	8	S	80							
									80				100			
					Soft, green grey, clayey SILT to silty CLAY. Containing fragments of shells and organic matter.											
	15									D	15.00-15.80		100			
	16															
						16.00-16.45	9	S					100			
									80							
	17								80							
									80	U	17.00-17.70		100			
									80							
	18															
						18.00-18.45	8	S	80	D	18.00-18.70		100			
									80							
	19								80							
									80				100			
-21.11	20	20.00														

Notes: SP = Stand Pipe; BS = Bulk Sample; D = Disturbed sample; SC = Special Core; Dspt = Sample from SPT;
U = Undisturbed sample; C= Core sample from rock; pp = pocket penetrometer; SPT = standart penetration test.

ALTEA & GEOSTUDIO 2000 BH-LOG

ALTEA GEOSTUDIO	ALTEA & GEOSTUDIO 2000 BH-LOG					Hole ID/ Emri i Shpimit	BH-9
						Sheet/Fleta	3 of 7
Location/ Vendi		Drilling Method/ Metoda e shpimit	Rotary/ Me Rrotullim	Coordinates/ Koordinatat	E	368567.84	
Project/ Projekti	INTEGRATED COMMERCIAL PORT OF DURRES IN PORTO ROMANO	Drilling Rig/ Sonda	ASTRA		N	4583311.61	
		Driller	E. BUCI	Ground Level/ Kuota e shpimit	Z	-1.11	
Client/ Klienti	Abkons Sh.p.k	On Site Geologist/ Gjeologu në Terren	Eng. A. BARDHI	Orientation/ Orientimi i Shpimit		Vertical/ Vertikale	
Consultant/ Konsultanti		Logged by/ Punoi	Eng. A. MEÇO	Date Started/ Data e fillimit		20.04.2022	
Contract No./ Nr. i Kontratës		Checked by/ Kontrolloi	Eng. S. ALLKJA	Date Finished/ Data e mbarimit		21.04.2022	

Elevation/Kuota from a.s.l/nga n.d [m]	Depth/Thellësia from G.L/nga toka	Depth of layers/ Thellësia e shtresave [m]	Water Level/ Niveli i Ujit [m]	Legend/ Legjenda	Lithological Description/ Përshkrimi Litologjik	SPT Test/ Prova e SPT-së: Test depth/ Thellësia e provës [m]	N_{value}/N2+N3 Vlera e N-	SPT type/ Tipi i SPT	PP q_u [kPa]	Sampling/ Kampionimi: Sample Type/	Depths/ Thellësitë [m]	ROCK QUALITY DESIGNATION: RQD %	TCR %	Fractures/ Çarjet	Permeability Tests/ Provat e Përshkueshmërisë: Lefranc [m/s]	Lugeon [uL]
-1.11	20.0	20.00														
						20.00-20.45	9	S					100			
									70							
	21								70							
									70							
									70				100			
									70							
	22				Soft, green grey, silty CLAY. Containing fragments of shells and organic matter.				70							
						22.00-22.45	9	S	70							
									70				100			
									70							
	23															
										U	23.00-23.70		100			
-25.11	24	24.00														
						24.00-24.45	8	S					100			
									70							
									70							
	25								70							
									70				100			
									70							
									70	SC	25.50-26.00					
	26								70							
					Soft to firm, green grey, silty CLAY. Containing fragments of shells and organic matter.	26.00-26.45	8	S	70							
									70				100			
									70							
	27								70							
									70				100			
									70							
	28								70							
						28.00-28.45	9	S								
-29.71		28.60											100			
	29				Loose to medium dense, green grey, fine SAND. Containing fragments of shells and a little organic matter.											
													100			
	30															

Notes: SP = Stand Pipe; BS = Bulk Sample; D = Disturbed sample; SC = Special Core; Dspt = Sample from SPT;
U = Undisturbed sample; C= Core sample from rock; pp = pocket penetrometer; SPT = standart penetration test.

ALTEA & GEOSTUDIO 2000 BH-LOG

ALTEA GEOSTUDIO						Hole ID/ Emri i Shpimit	BH-9
						Sheet/Fleta	4 of 7
Location/ Vendi		Drilling Method/ Metoda e shpimit	Rotary/ Me Rrotullim	Coordinates/ Koordinatat	E	368567.84	
Project/ Projekti	INTEGRATED COMMERCIAL PORT OF DURRES IN PORTO ROMANO	Drilling Rig/ Sonda	ASTRA		N	4583311.61	
		Driller	E. BUCI	Ground Level/ Kuota e shpimit	Z	-1.11	
Client/ Klienti	Abkons Sh.p.k	On Site Geologist/ Gjeologu në Terren	Eng. A. BARDHI	Orientation/ Orientimi i Shpimit		Vertical/ Vertikale	
Consultant/ Konsultanti		Logged by/ Punoi	Eng. A. MEÇO	Date Started/ Data e fillimit		20.04.2022	
Contract No./ Nr. i Kontratës		Checked by/ Kontrolloi	Eng. S. ALLKJA	Date Finished/ Data e mbarimit		21.04.2022	

Elevation/Kuota from a.s.l/nga n.d [m]	Depth/Thellësia from G.L/nga toka	Depth of layers/ Thellësia e shtresave [m]	Water Level/ Niveli i Ujit [m]	Legend/ Legjenda	Lithological Description/ Përshkrimi Litologjik	SPT Test/ Prova e SPT-së: Test depth/ Thellësia e provës [m]	N_{value}/N2+N3 Vlera e N-	SPT type/ Tipi i SPT	PP q_u [kPa]	Sampling/ Kampionimi: Sample Type/	Depths/ Thellësitë [m]	ROCK QUALITY DESIGNATION: RQD %	TCR %	Fractures/ Çarjet	Permeability Tests/ Provat e Përshkueshmërisë: Lefranc [m/s]	Lugeon [uL]
-1.11	30.0	30.00														
						30.00-30.45	>50	S					100			
	31									D	31.00-31.70		100			
	32				Loose to medium dense, green grey, fine SAND. Containing fragments of shells and a little organic matter.	32.00-32.45	>50	S					100			
	33												100			
-35.11	34	34.00				34.00-34.45	28	S					100			
	35								110 110 110 110 110 110 110 110				100			
	36					36.00-36.45	13	S	110 110				100			
	37				Soft to firm, green grey, silty CLAY. Containg bed of silty sand, fragments of shells and a little organic matter.					D	36.40-37.00		100			
	38					38.00-38.45	16	S					100			
	39								110 110 110 110 110 110				100			
	40															

Notes: SP = Stand Pipe; BS = Bulk Sample; D = Disturbed sample; SC = Special Core; Dspt = Sample from SPT;
U = Undisturbed sample; C= Core sample from rock; pp = pocket penetrometer; SPT = standart penetration test.

ALTEA & GEOSTUDIO 2000 BH-LOG

ALTEA GEOSTUDIO	ALTEA & GEOSTUDIO 2000 BH-LOG					Hole ID/ Emri i Shpimit	BH-9
						Sheet/Fleta	5 of 7
Location/ Vendi		Drilling Method/ Metoda e shpimit	Rotary/ Me Rrotullim	Coordinates/ Koordinatat	E	368567.84	
Project/ Projekti	INTEGRATED COMMERCIAL PORT OF DURRES IN PORTO ROMANO	Drilling Rig/ Sonda	ASTRA		N	4583311.61	
		Driller	E. BUCI	Ground Level/ Kuota e shpimit	Z	-1.11	
Client/ Klienti	Abkons Sh.p.k	On Site Geologist/ Gjeologu në Terren	Eng. A. BARDHI	Orientation/ Orientimi i Shpimit		Vertical/ Vertikale	
Consultant/ Konsultanti		Logged by/ Punoi	Eng. A. MEÇO	Date Started/ Data e fillimit		20.04.2022	
Contract No./ Nr. i Kontratës		Checked by/ Kontrolloi	Eng. S. ALLKJA	Date Finished/ Data e mbarimit		21.04.2022	

Elevation/Kuota from a.s.l/nga n.d [m]	Depth/Thellësia from G.L/nga toka	Depth of layers/ Thellësia e shtresave [m]	Water Level/ Niveli i Ujit [m]	Legend/ Legjenda	Lithological Description/ Përshkrimi Litologjik	SPT Test/ Prova e SPT-së: Test depth/ Thellësia e provës [m]	N_{value}/N2+N3 Vlera e N-	SPT type/ Tipi i SPT	PP q_u [kPa]	Sampling/ Kampionimi: Sample Type/	Depths/ Thellësitë [m]	ROCK QUALITY DESIGNATION: RQD %	TCR %	Fractures/ Çarjet	Permeability Tests/ Provat e Përshkueshmërisë: Lefranc [m/s]	Lugeon [uL]
-1.11	40.0	40.00														
						40.00-40.45	17	S		D	40.00-40.50		100			
									110							
	41								110							
									110							
									110	U	41.30-42.00		100			
									110							
	42								110							
						42.00-42.45	14	S	110							
													100			
	43															
									110							
					Soft to firm, green grey, silty CLAY. Containg bed of silty sand, fragments of shells and a little organic matter.				110				100			
									110							
	44								110							
						44.00-44.45	17	S	110							
									110				100			
									110							
	45								110							
									110							
													100			
	46															
						46.00-46.45	19	S		D	46.00-46.70		100			
	47															
-48.41		47.30											100			
	48								260							
						48.00-48.45	36	S	260	SC	48.00-48.50		100			
					Frim to stiff, green grey, silty CLAY. Containing gravel and fragments of shells.				260							
									260							
	49								260							
													100			
	50															

Notes: SP = Stand Pipe; BS = Bulk Sample; D = Disturbed sample; SC = Special Core; Dspt = Sample from SPT;
U = Undisturbed sample; C= Core sample from rock; pp = pocket penetrometer; SPT = standart penetration test.

ALTEA & GEOSTUDIO 2000 BH-LOG

ALTEA GEOSTUDIO	ALTEA & GEOSTUDIO 2000 BH-LOG					Hole ID/ Emri i Shpimit	BH-9
						Sheet/Fleta	6 of 7
Location/ Vendi		Drilling Method/ Metoda e shpimit	Rotary/ Me Rrotullim	Coordinates/ Koordinatat	E	368567.84	
Project/ Projekti	INTEGRATED COMMERCIAL PORT OF DURRES IN PORTO ROMANO	Drilling Rig/ Sonda	ASTRA		N	4583311.61	
		Driller	E. BUCI	Ground Level/ Kuota e shpimit	Z	-1.11	
Client/ Klienti	Abkons Sh.p.k	On Site Geologist/ Gjeologu në Terren	Eng. A. BARDHI	Orientation/ Orientimi i Shpimit		Vertical/ Vertikale	
Consultant/ Konsultanti		Logged by/ Punoi	Eng. A. MEÇO	Date Started/ Data e fillimit		20.04.2022	
Contract No./ Nr. i Kontratës		Checked by/ Kontrolloi	Eng. S. ALLKJA	Date Finished/ Data e mbarimit		21.04.2022	

Elevation/Kuota from a.s.l/nga n.d [m]	Depth/Thellësia from G.L/nga toka	Depth of layers/ Thellësia e shtresave [m]	Water Level/ Niveli i Ujit [m]	Legend/ Legjenda	Lithological Description/ Përshkrimi Litologjik	SPT Test/ Prova e SPT-së: Test depth/ Thellësia e provës [m]	N_{value}/N2+N3 Vlera e N-	SPT type/ Tipi i SPT	PP q_u [kPa]	Sampling/ Kampionimi: Sample Type/	Depths/ Thellësitë [m]	ROCK QUALITY DESIGNATION: RQD %	TCR %	Fractures/ Çarjet	Permeability Tests/ Provat e Përshkueshmërisë: Lefranc [m/s]	Lugeon [uL]
-1.11	50.0	50.00														
	51				Frim to stiff, green grey, silty CLAY. Containing gravel and fragments of shells.	50.00-50.45	32	S	260 260 260 260				100			
-52.61	52	51.50											100			
						52.00-52.45	48	S					100			
	53												100			
	54									D	53.00-54.00		100			
					Medium dense to dense, green grey, fine SAND. Containing fragments of shells and a little organic matter.	54.00-54.45	>50	S					100			
	55												100			
	56					56.00-56.45	>50	S					100			
	57												100			
-58.61		57.50											100			
	58					58.00-58.45	>50	S	150 150 150 150 150 150				100			
	59				Firm, green grey, silty CLAY. Containing beds of silty sand, fragments of shells and a little organic matter.					SC	59.00-59.80		100			
	60															

Notes: SP = Stand Pipe; BS = Bulk Sample; D = Disturbed sample; SC = Special Core; Dspt = Sample from SPT;
U = Undisturbed sample; C= Core sample from rock; pp = pocket penetrometer; SPT = standart penetration test.

ALTEA & GEOSTUDIO 2000 BH-LOG

Hole ID/ Emri i Shpimit	BH-9					
Sheet/Fleta	7 of 7					
Location/ Vendi		Drilling Method/ Metoda e shpimit	Rotary/ Me Rrotullim	Coordinates/ Koordinatat	E	368567.84
Project/ Projekti	INTEGRATED COMMERCIAL PORT OF DURRES IN PORTO ROMANO	Drilling Rig/ Sonda	ASTRA		N	4583311.61
		Driller	E. BUCI	Ground Level/ Kuota e shpimit	Z	-1.11
Client/ Klienti	Abkons Sh.p.k	On Site Geologist/ Gjeologu në Terren	Eng. A. BARDHI	Orientation/ Orientimi i Shpimit		Vertical/ Vertikale
Consultant/ Konsultanti		Logged by/ Punoi	Eng. A. MEÇO	Date Started/ Data e fillimit		20.04.2022
Contract No./ Nr. i Kontratës		Checked by/ Kontrolloi	Eng. S. ALLKJA	Date Finished/ Data e mbarimit		21.04.2022

Elevation/Kuota from a.s.l/nga n.d [m]	Depth/Thellësia from G.L/nga toka [m]	Depth of layers/ Thellësia e shtresave [m]	Water Level/ Niveli i Ujit [m]	Legend/ Legjenda	Lithological Description/ Përshkrimi Litologjik	SPT Test/ Prova e SPT-së: Test depth/ Thellësia e provës [m]	N_{value}/N2+N3 Vlera e N-	SPT type/ Tipi i SPT	PP q_u [kPa]	Sampling/ Kampionimi: Sample Type/	Depths/ Thellësitë [m]	ROCK QUALITY DESIGNATION: RQD %	TCR %	Fractures/ Çarjet	Permeability Tests/ Provat e Përshkueshmërisë: Lefranc [m/s]	Lugeon [uL]
-1.11	60.0	60.00														
						60.00-60.45	25	S					100			
	61								150							
									150							
									150							
									150				100			
									150							
	62								150							
						62.00-62.45	26	S	150							
													100			
	63															
										SC	63.50-64.00		100			
	64															
						64.00-64.45	25	S								
													100			
	65				Firm, green grey, silty CLAY. Containing beds of silty sand, fragments of shells and a little organic matter.				150							
									150							
									150							
									150				100			
									150							
	66								150							
						66.00-66.45	25	S								
													100			
	67								150							
									150							
									150							
									150				100			
									150							
	68								150							
									150							
						68.00-68.45	24	S	150							
									150				100			
									150							
	69								150	SC	68.50-69.00					
									150							
													100			
-71.11	70	70.00														

Notes: SP = Stand Pipe; BS = Bulk Sample; D = Disturbed sample; SC = Special Core; Dspt = Sample from SPT;
U = Undisturbed sample; C= Core sample from rock; pp = pocket penetrometer; SPT = standart penetration test.