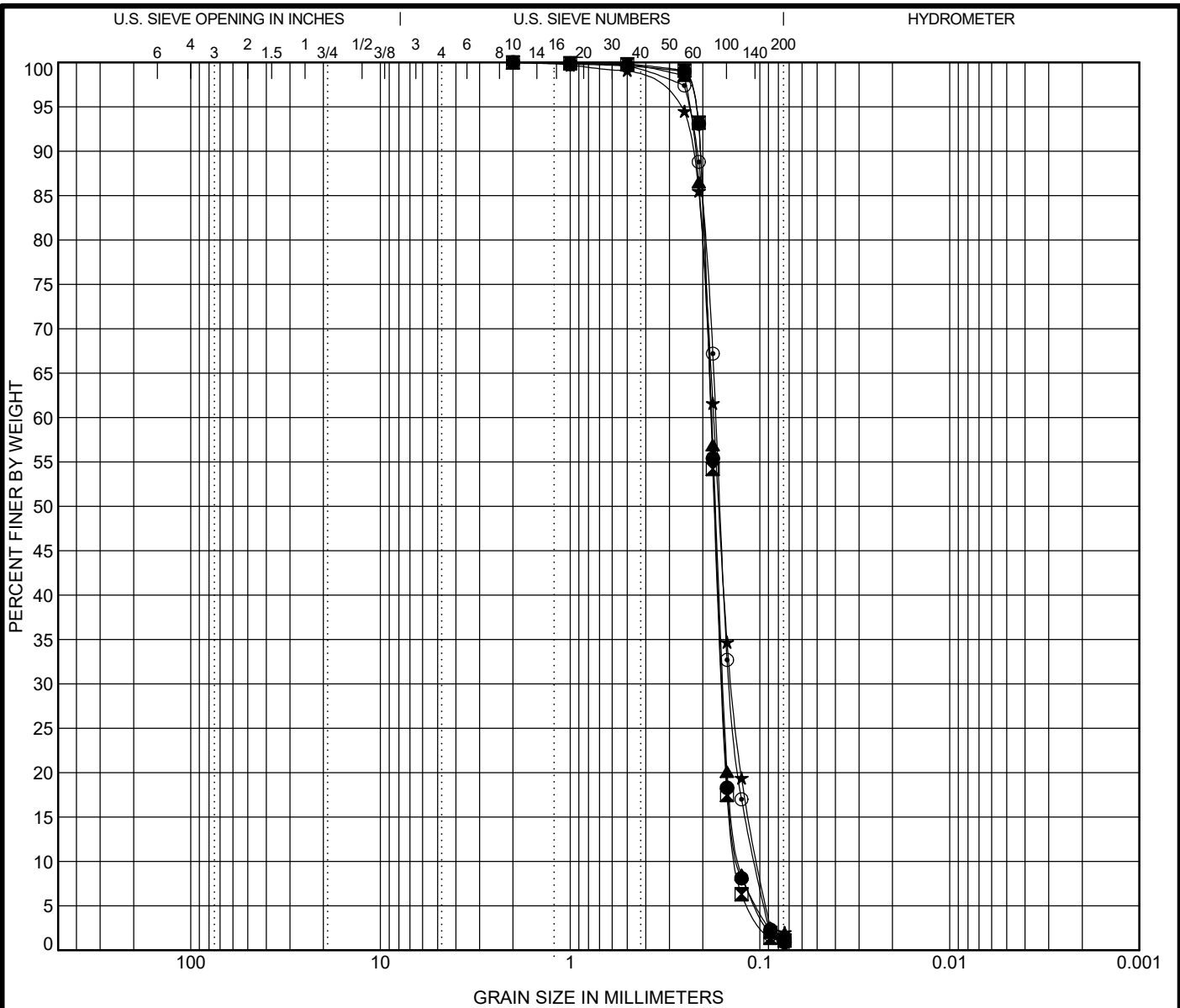


PROJECT NAME: Beach Sediment Analysis  
 CLIENT: HDR, Inc.  
 SAMPLE ID: BCP-T6  
 LOCATION: Boca Chica Peninsula

BOCA CHICA PENINSULA						
Transect 6						
ASTM MESH	PERCENT SHELL BY WEIGHT (BASED ON #10 SIEVE)					
	Toe of Dune	Mid Berm	Swash Zone	First Bar	Trough	Second Bar
RETAINED BY #10	0.0	0.0	0.0	0.0	0.1	0.1
ASTM MESH	% FINER BY WEIGHT AFTER REMOVING SHELL					
	Toe of Dune	Mid Berm	Swash Zone	First Bar	Trough	Second Bar
#10	100.0	100.0	100.0	100.0	100.0	100.0
#18	99.8	99.9	100.0	99.7	99.9	99.8
#35	99.6	99.8	99.8	99.1	99.6	99.4
#60	99.0	99.1	98.5	94.5	97.4	93.5
#70	93.1	93.2	86.5	85.5	88.8	81.2
#80	55.4	54.2	56.9	61.6	67.2	52.0
#100	18.3	17.5	20.1	34.7	32.7	26.3
#120	8.1	6.3	8.5	19.4	17.0	15.7
#170	2.3	1.4	2.0	2.5	1.7	8.0
#200	0.9	1.1	1.9	2.0	1.3	7.8
STATISTICS (EXCLUDING SHELL)						
MEDIAN GRAIN SIZE (mm)	0.173	0.174	0.171	0.164	0.162	0.175
MEAN GRAIN SIZE (mm)	0.173	0.174	0.173	0.163	0.162	0.173
SORTING ( $\sigma$ )	0.307	0.276	0.342	0.467	0.403	--
Munsell Color	Grayish Brown	Light Grayish Brown	Brown	Brown	Brown	Brown



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● BCP-T6-Toe of Dune	0.0'	POORLY GRADED SAND				1.06	1.40
☒ BCP-T6-Mid Berm	0.0'	POORLY GRADED SAND				1.04	1.37
▲ BCP-T6-Swash Zone	0.0'	POORLY GRADED SAND				1.06	1.41
★ BCP-T6-First Bar	0.0'	POORLY GRADED SAND				1.11	1.70
◎ BCP-T6-Trough	0.0'	POORLY GRADED SAND				1.15	1.60

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● BCP-T6-Toe of Dune	0.0'	2	0.181	0.157	0.129	0.0			
☒ BCP-T6-Mid Berm	0.0'	2	0.182	0.158	0.132	0.0			
▲ BCP-T6-Swash Zone	0.0'	1	0.18	0.156	0.128	0.0			
★ BCP-T6-First Bar	0.0'	2	0.175	0.141	0.103	0.0			
◎ BCP-T6-Trough	0.0'	2	0.171	0.145	0.106	0.0			

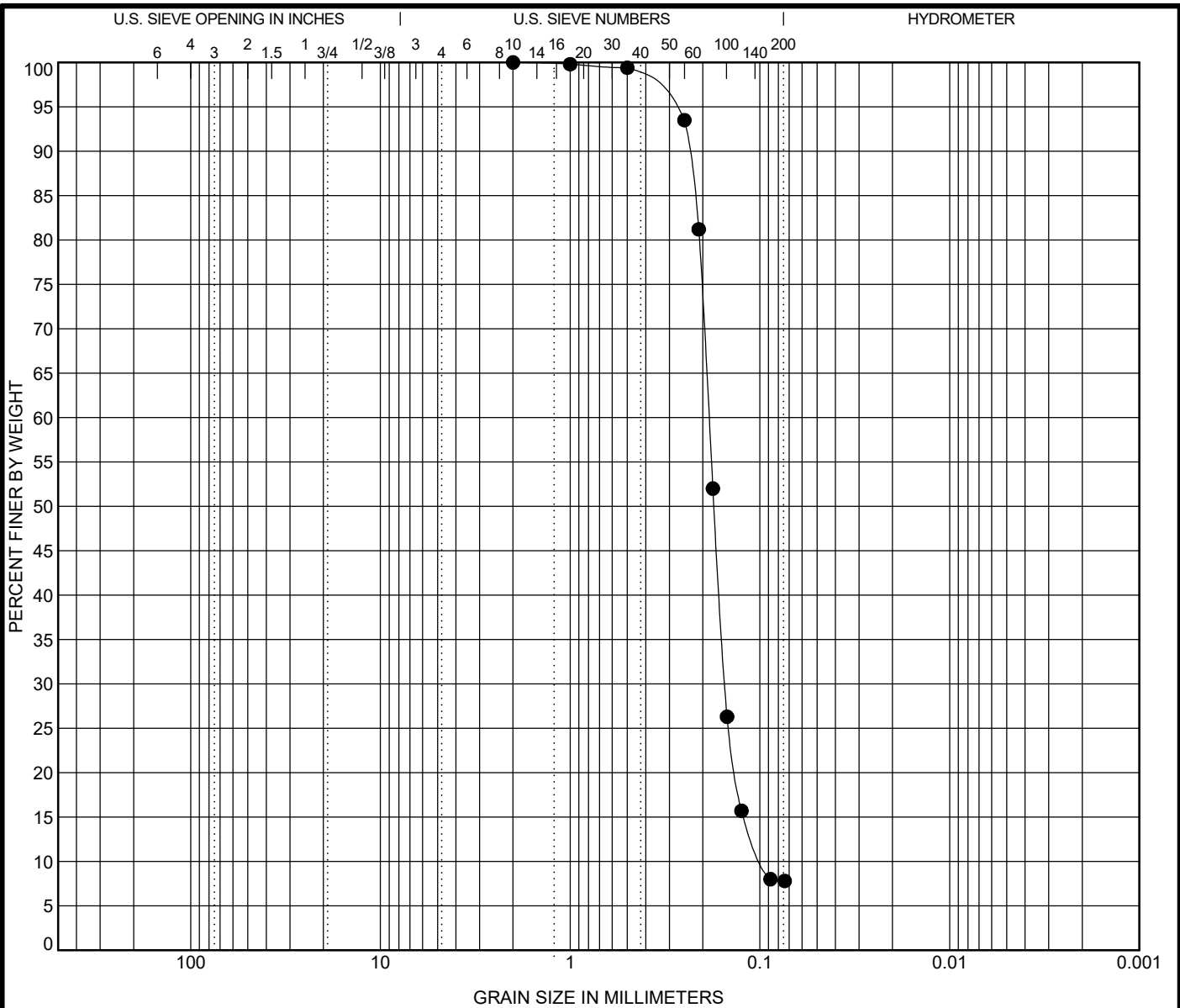
US GRAIN SIZE 13 G122361 BCP.GPJ US LAB.GDT 8/22/22



Rock Engineering & Testing Lab. LLC.  
 6817 Leopard Street  
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 361-883-4555  
 Fax: 361-883-4711

### GRAIN SIZE DISTRIBUTION

Project: Beach Sediment Analysis  
 Location: Boca Chica Peninsula, Texas  
 Number: G122361



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● BCP-T6-Second Bar	0.0'	POORLY GRADED SAND with SILT				1.30	1.92

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● BCP-T6-Second Bar	0.0'	2	0.185	0.153	0.096	0.0			



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