



- Geotechnical Engineering
- Construction Materials Testing

PROJECT NAME: Anchorage Basin Sand Source Investigation

CLIENT: HDR Engineering, Inc.

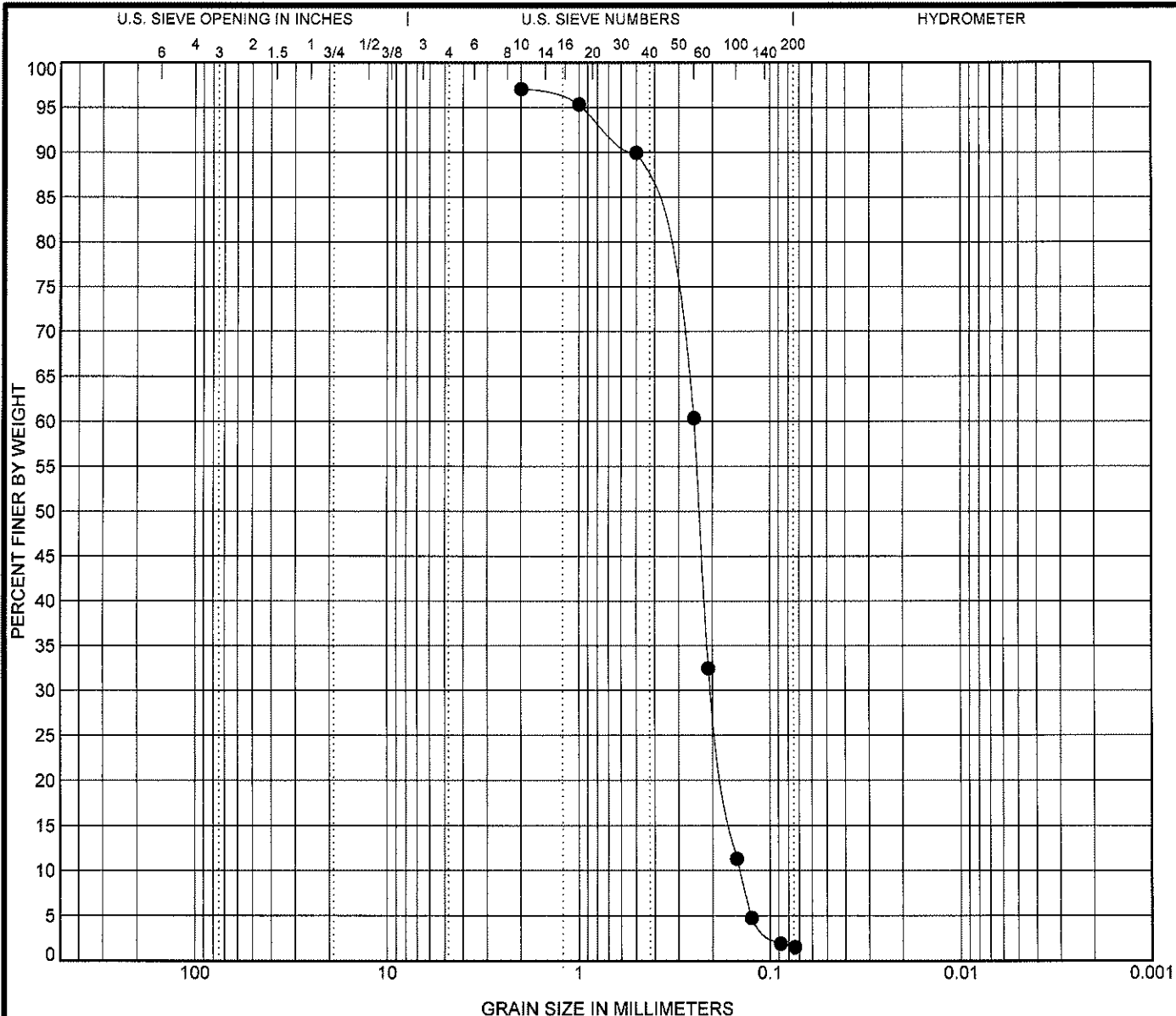
BORING ID.: AA-12

DESCRIPTION: Anchorage Basin Borrow Source Area

PERCENT SHELL BY WEIGHT (BASED ON #10 SIEVE)			
-26' to -27' NAVD	-27' to -28' NAVD	-29' to -30' NAVD	-32' to -33' NAVD
2.93	0.33	0.98	1.09

ASTM MESH	% FINER BY WEIGHT AFTER REMOVING SHELL			
	-26' to -27' NAVD	-27' to -28' NAVD	-29' to -30' NAVD	-32' to -33' NAVD
#10	100.00	100.00	100.00	100.00
#18	95.36	99.20	98.37	98.70
#35	89.97	98.97	97.74	98.55
#60	60.37	98.33	96.96	98.07
#70	32.48	97.32	96.22	97.06
#100	11.33	87.59	93.23	41.58
#120	4.76	80.24	90.43	22.62
#170	1.93	75.08	85.86	10.17
#200	1.53	73.04	82.50	7.91
STATISTICS (EXCLUDING SHELL)				
MEDIAN GRAIN SIZE (mm)	0.22	N/A	N/A	0.17
MEAN GRAIN SIZE (mm)	0.24	N/A	N/A	0.15
SORTING (σ)	0.67	N/A	N/A	N/A

*The -#10 material was utilized as the total sample for Grain Size Distribution Curve calculations.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● AA-12 (-26' to -27' NAVD)		Borrow Area (-26' to -27' NAVD)				1.13	1.73

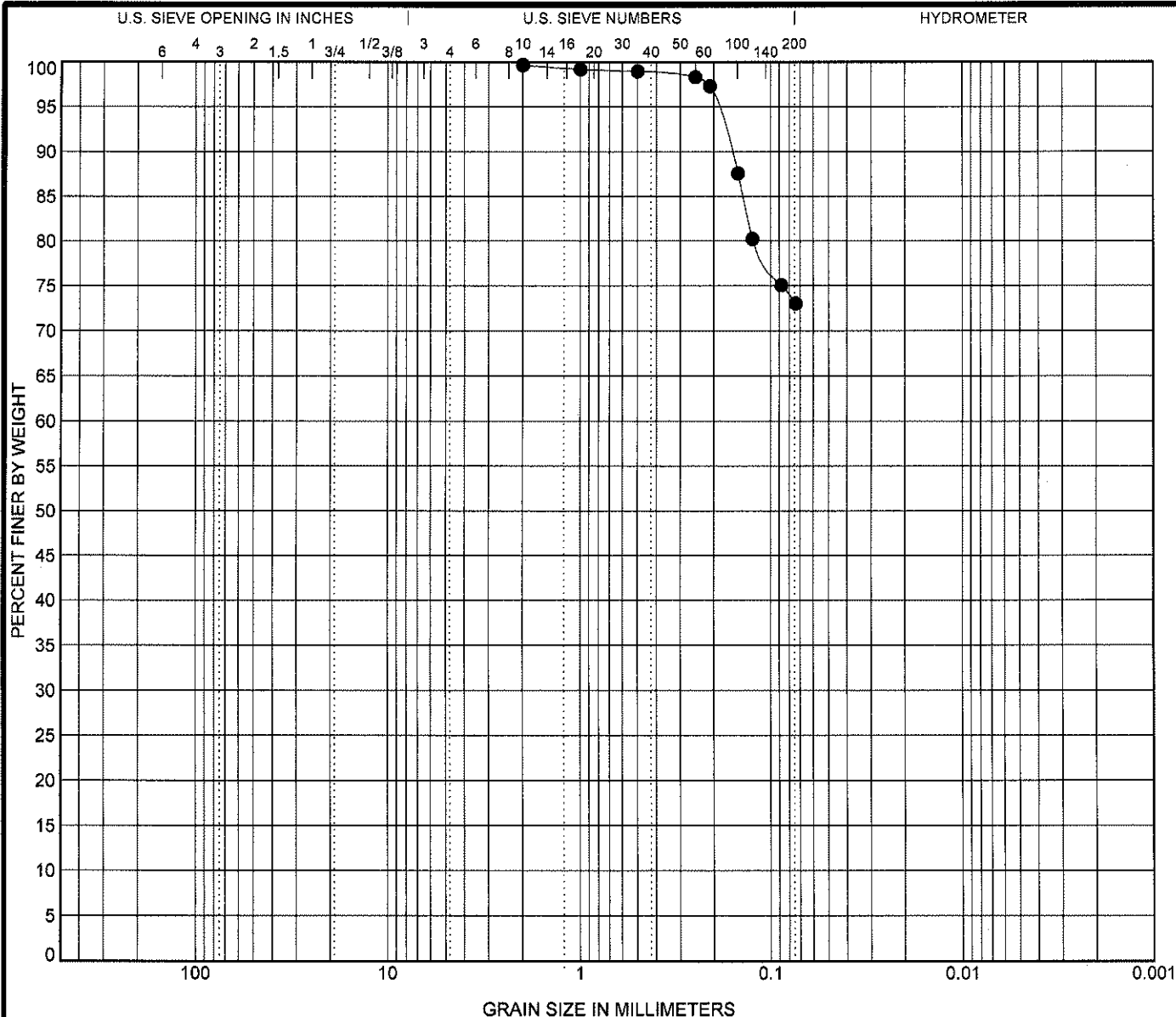
Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● AA-12 (-26' to -27' NAVD)		2	0.249	0.202	0.144	0.0			

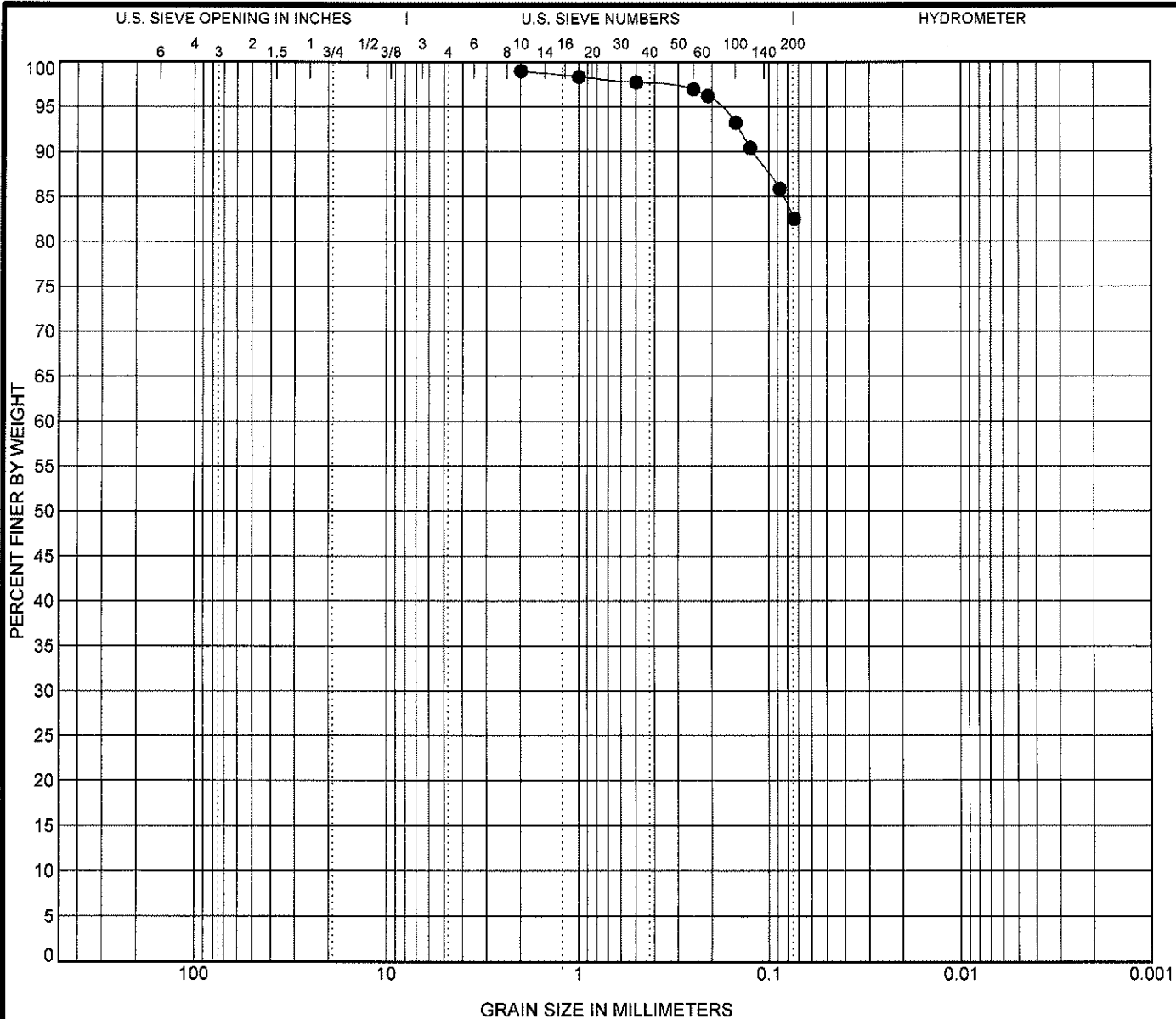


Rock Engineering & Testing Lab., Inc.
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Corpus Christi, TX 78409
Telephone: (361) 883-4555
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GRAIN SIZE DISTRIBUTION

Project: Anchorage Basin Sand Source Investigation
Location: Anchorage Basin; Galveston, Texas
Number: G109112





COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● AA-12 (-29' to -30' NAVD)		Borrow Area (-29' to -30' NAVD)					

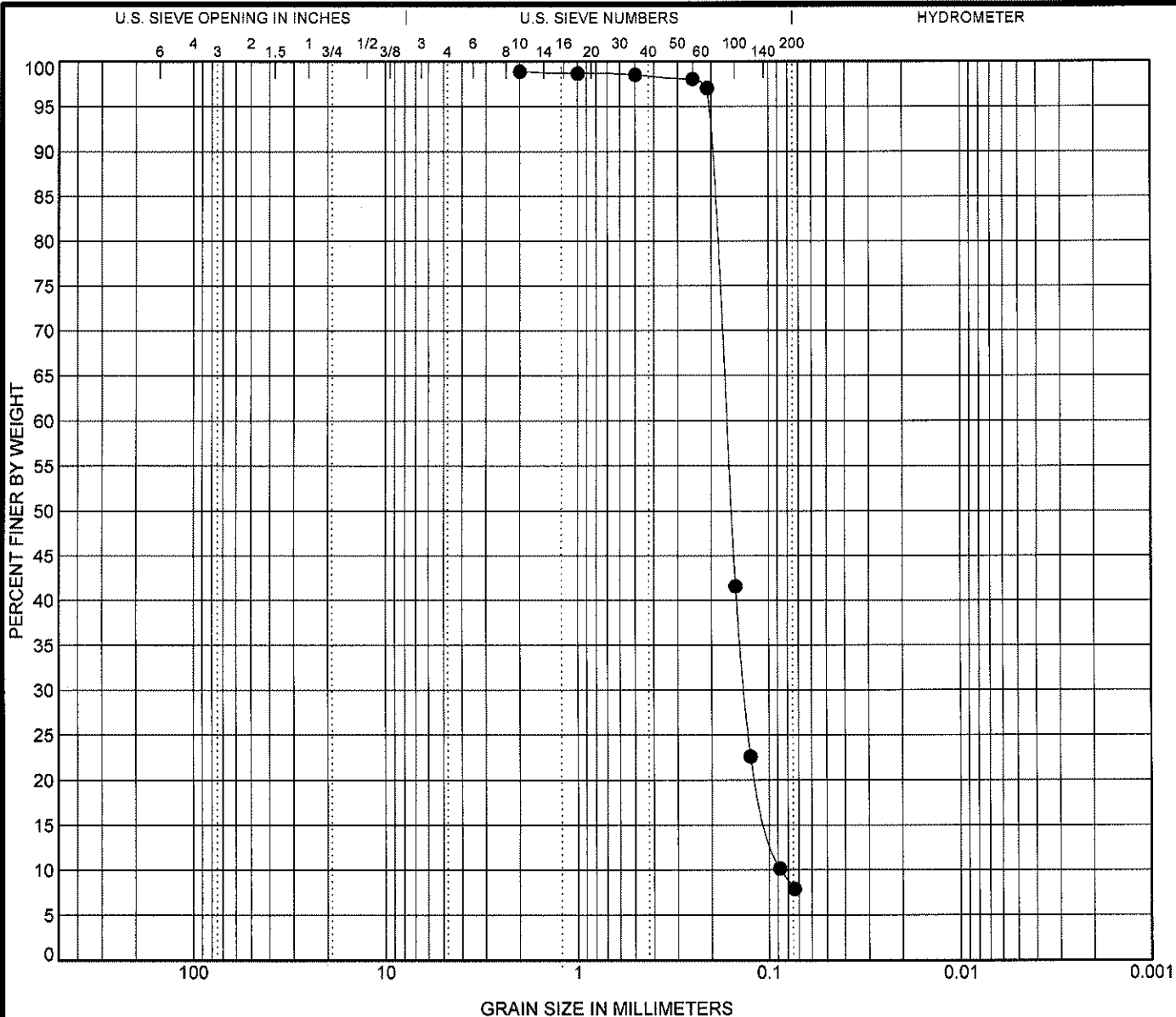
Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● AA-12 (-29' to -30' NAVD)		2				0.0			



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COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● AA-12	(-32' to -33' NAVD)	Borrow Area (-32' to -33' NAVD)				1.24	1.92

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● AA-12	(-32' to -33' NAVD)	2	0.167	0.134	0.087	0.0			



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