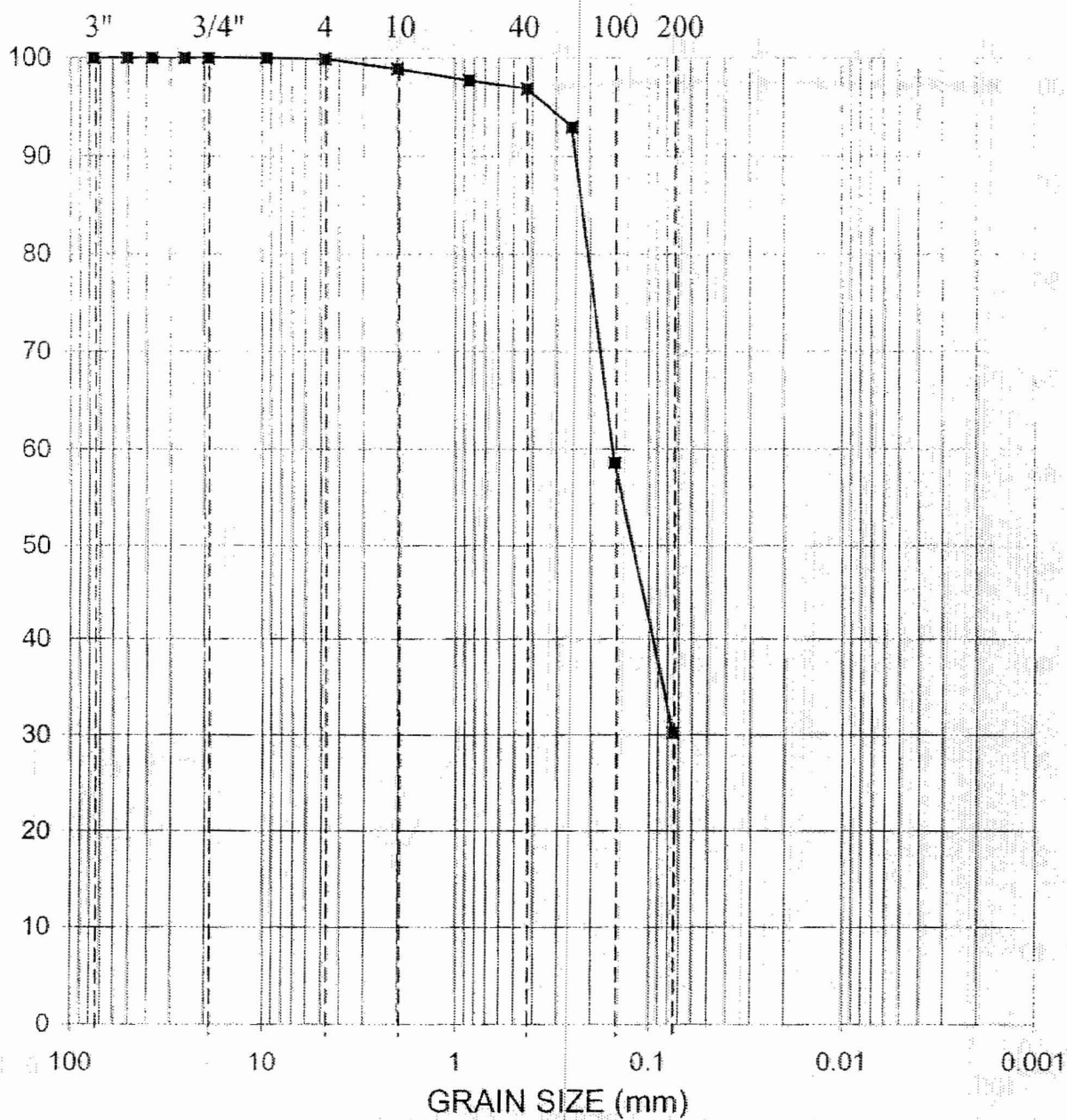


PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



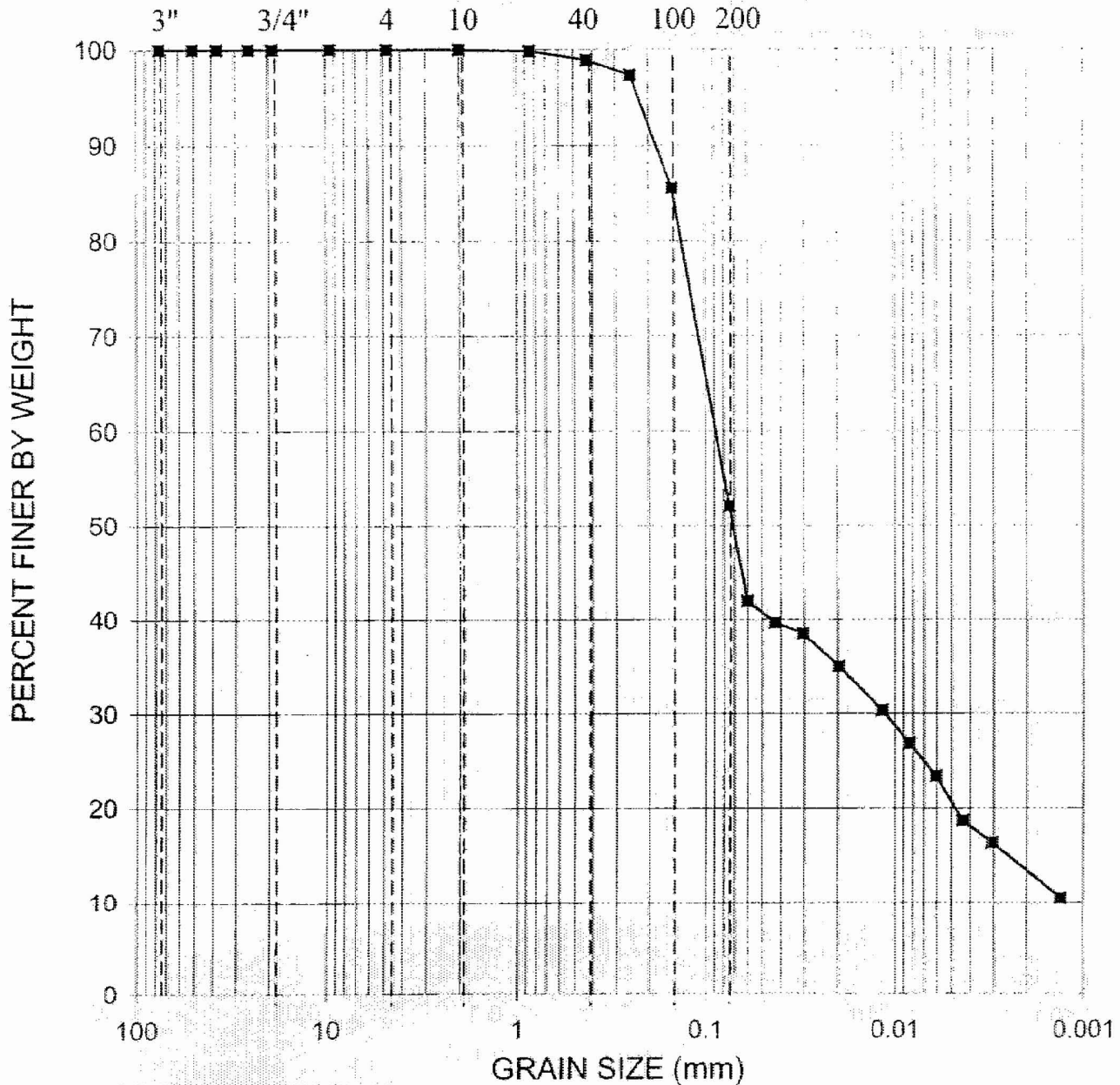
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/22/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-323	133.5	Silty SAND, contains shells, green	SM				

U.S. Standard Sieve Nos.

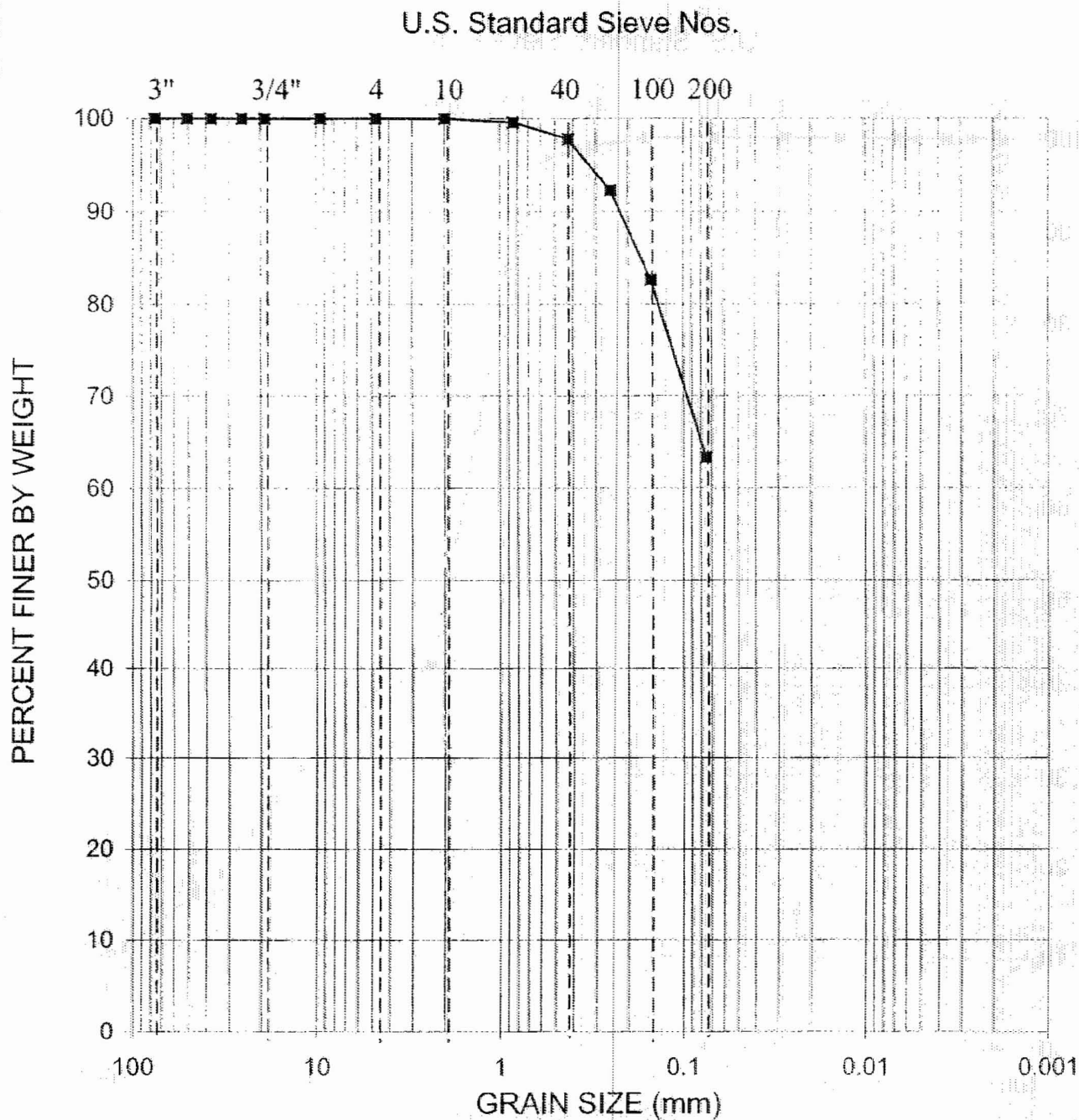


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

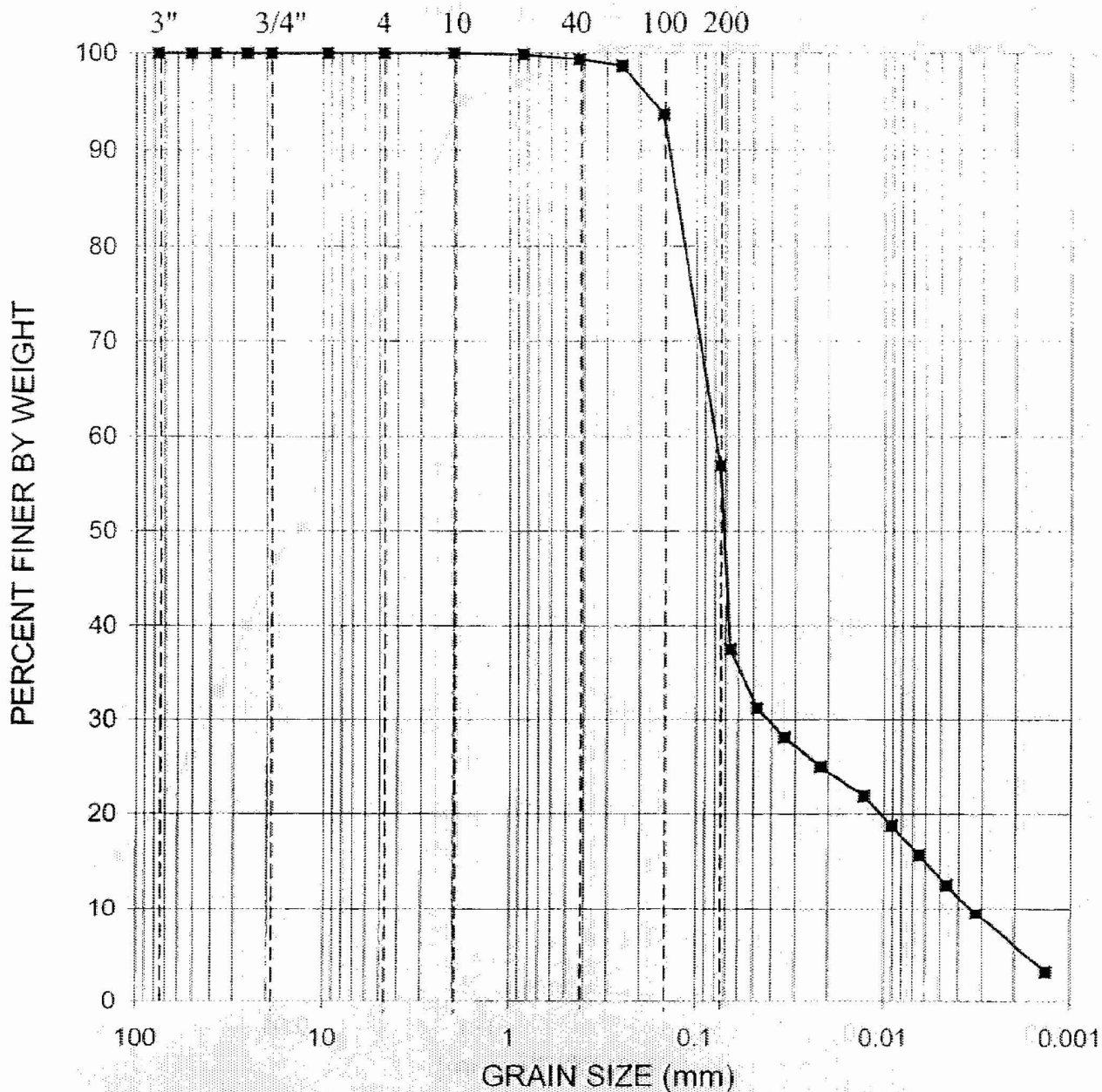
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/8/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-323	143.5	Sandy ELASTIC SILT, green	MH	73	35		



GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/22/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-323	163.5	SANDY ELASTIC SILT, dark green	MH				

U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
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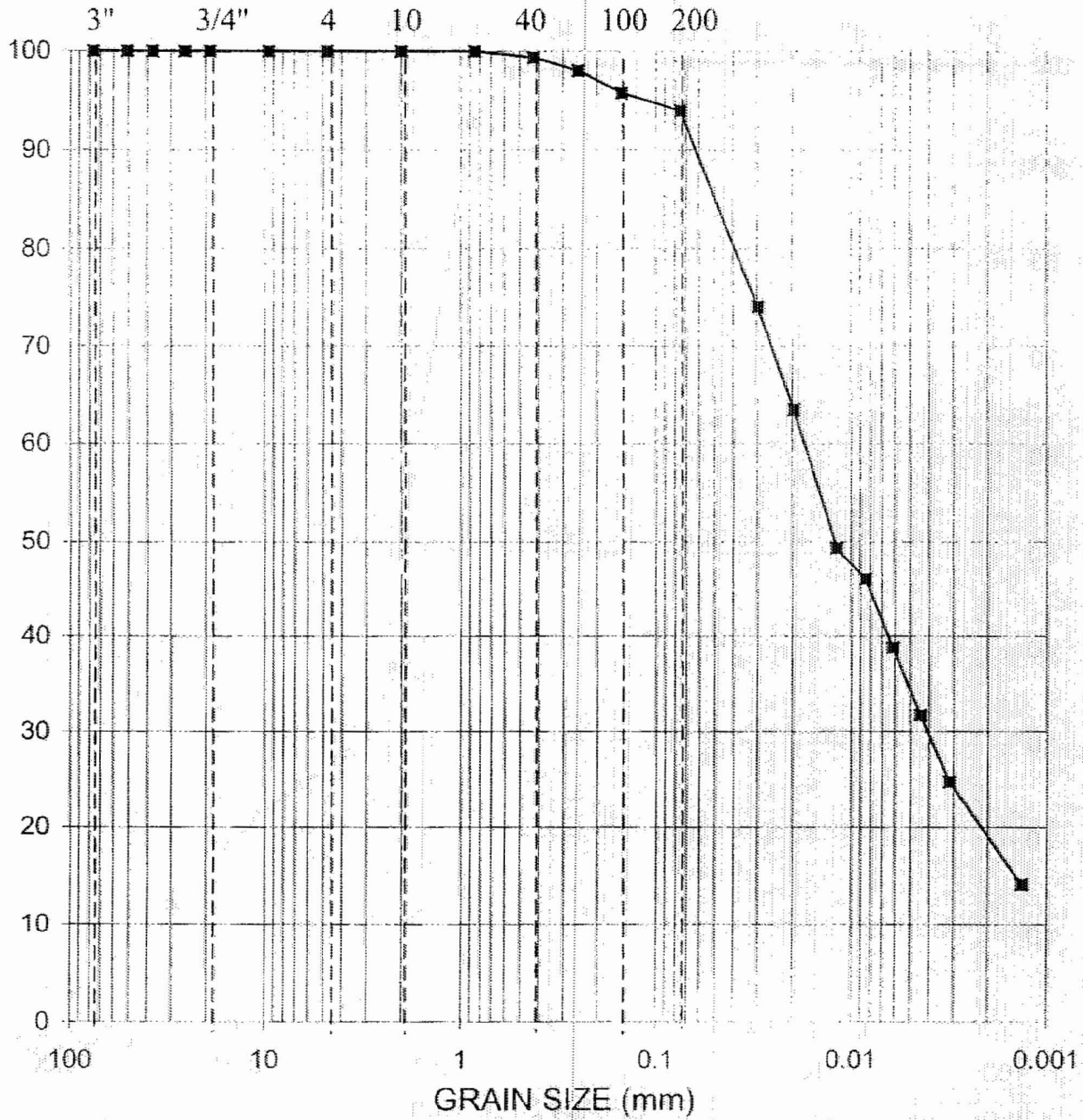
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/10/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	P1		
B-323	173.5	Sandy FAT CLAY, dark gray	CH	97	66		

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT



GRAVEL

SAND

SILT OR CLAY

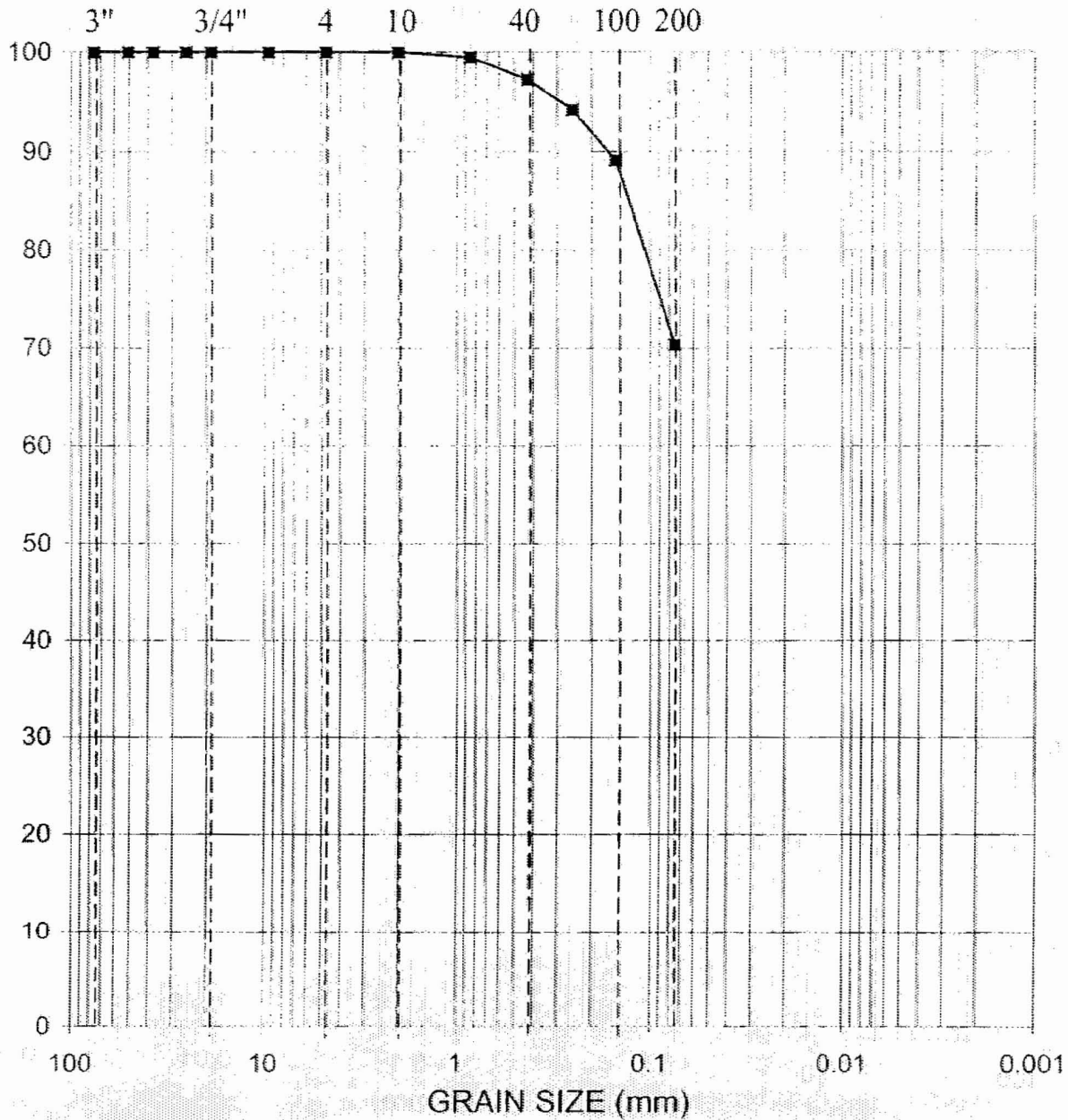
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/8/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
B-323	183.5	FAT CLAY, trace sand, dark gray	CH	124	91			

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT



GRAVEL

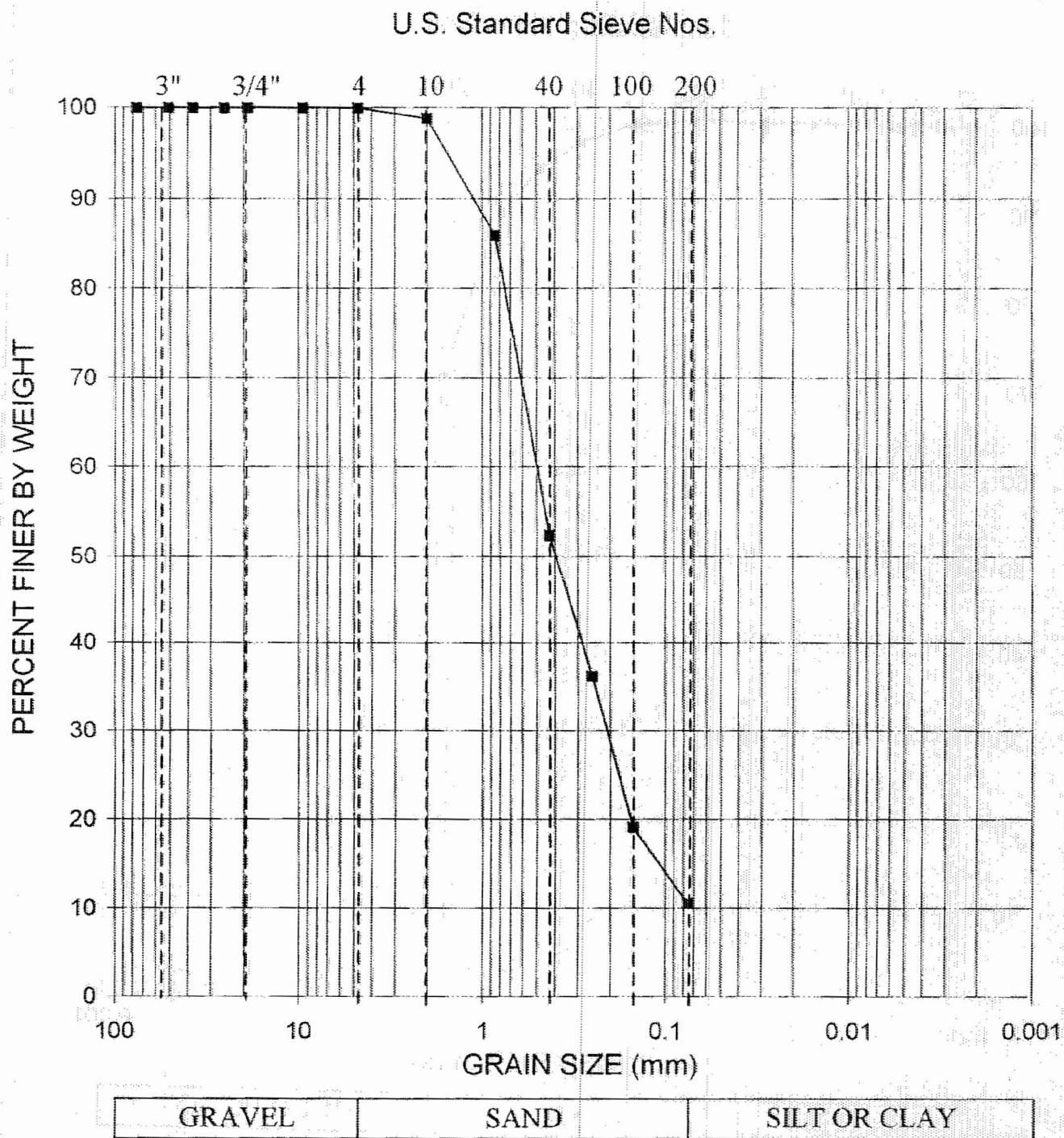
SAND

SILT OR CLAY

GRADATION CURVE

ASTM D422

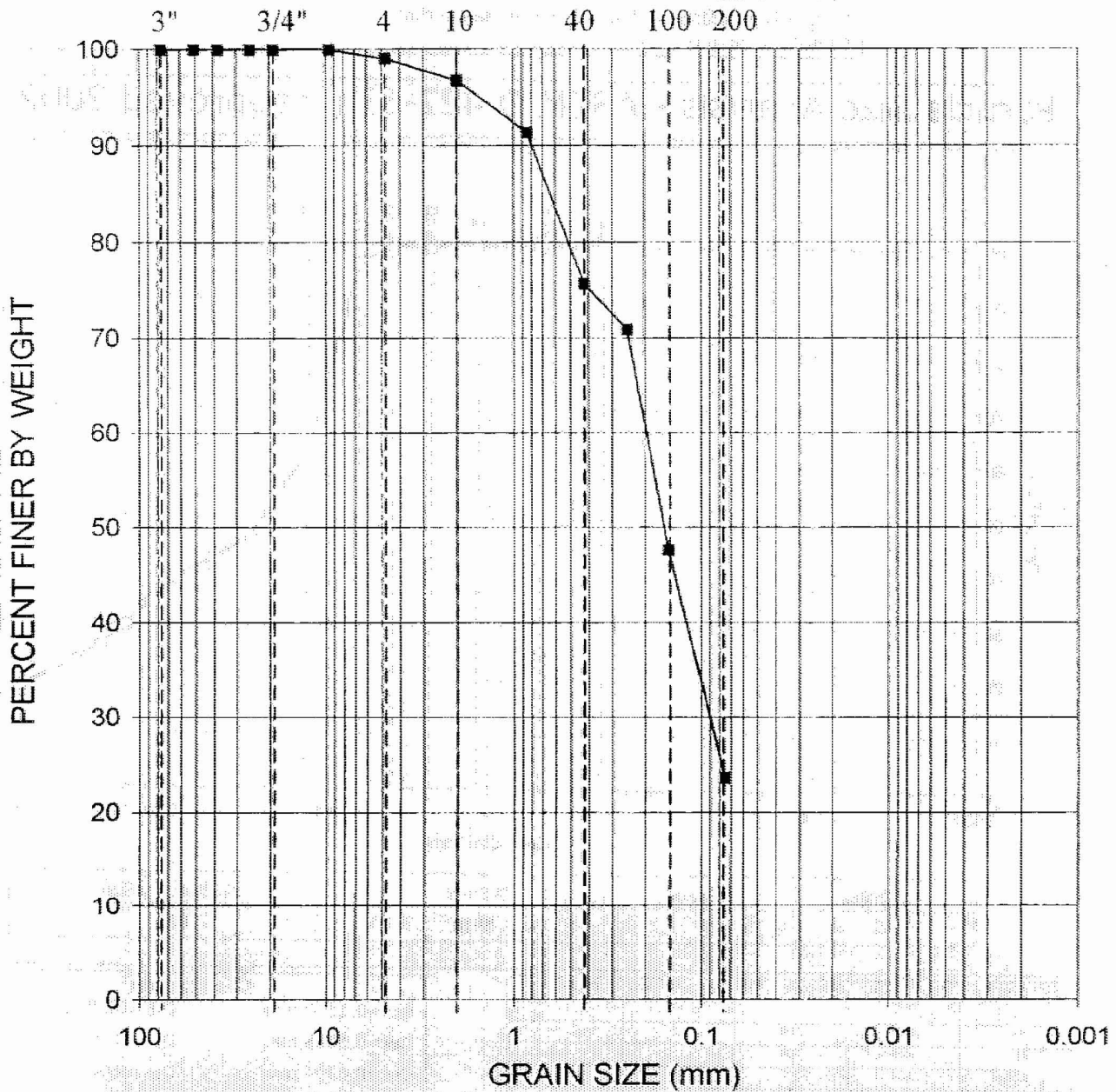
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/25/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-323	193.5	SANDY FAT CLAY, dark green	CH	116	80		



GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date:	10/3/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-326	13.5	Poorly Graded SAND, with silt, light brown	SP-SM				

U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

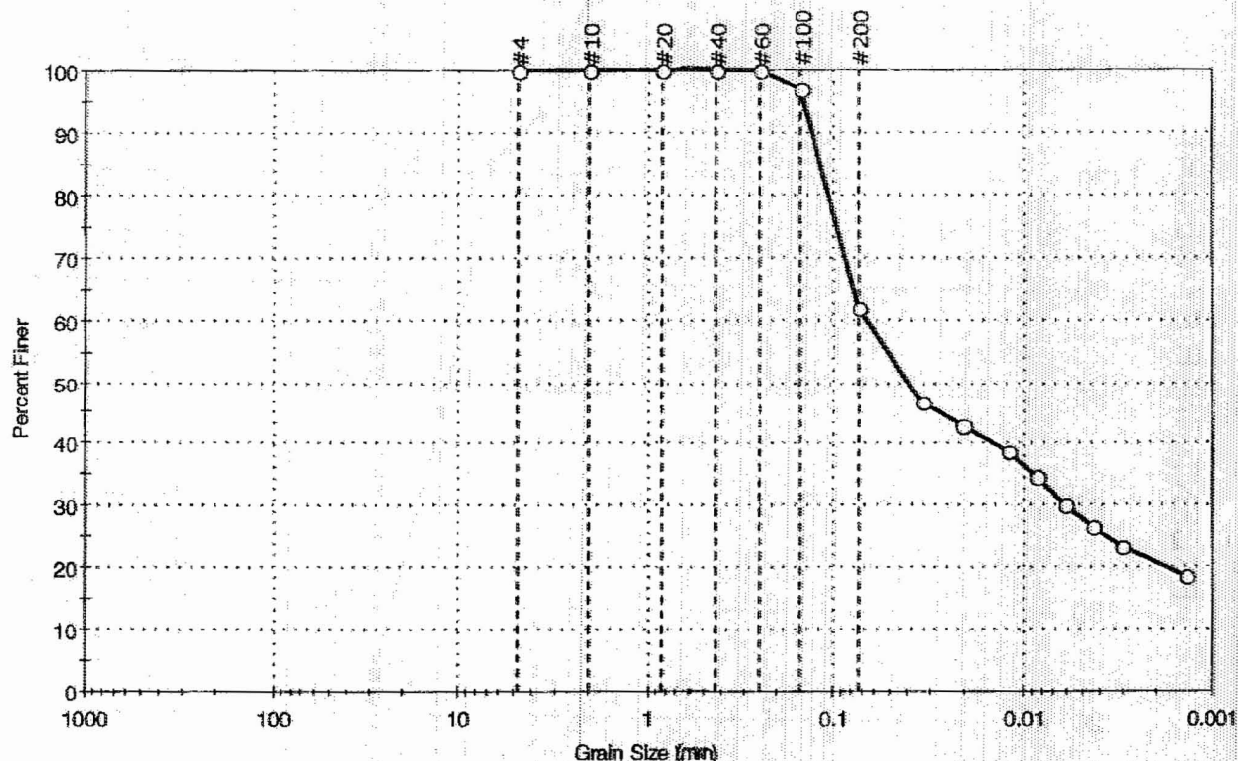
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	10/3/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-326	23.5	Silty SAND, trace gravel brown	SM				

GeoTesting express

a subsidiary of Geocomp Corporation

Client: Schnabel Engineering, Inc.	Project No: GTX-6880
Project: Subsurface Investigation Calvert Cliffs Nuclear PP	
Location: Calvert County, MD	
Boring ID: B-326	Sample Type: tube
Sample ID: S-10	Test Date: 10/18/06
Depth: 33.5-35.5 ft	Test ID: 100407
Test Comment: ---	Tested By: sam
Sample Description: Moist, dark gray sandy clay	Checked By: mcm
Sample Comment: ---	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	38.0	62.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.425	100		
#60	0.25	100		
#100	0.15	97		
#200	0.075	62		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.031	47		
---	0.020	43		
---	0.012	39		
---	0.008	35		
---	0.006	30		
---	0.004	27		
---	0.003	23		
---	0.001	18		

Coefficients

D ₈₅ = 0.1170 mm	D ₃₀ = 0.0062 mm
D ₆₀ = 0.0665 mm	D ₁₅ = N/A
D ₅₀ = 0.0394 mm	D ₁₀ = N/A
C _u = N/A	C _c = N/A

Classification

ASTM Sandy lean clay (CL)

AASHTO Clayey Soils (A-7-6 (15))

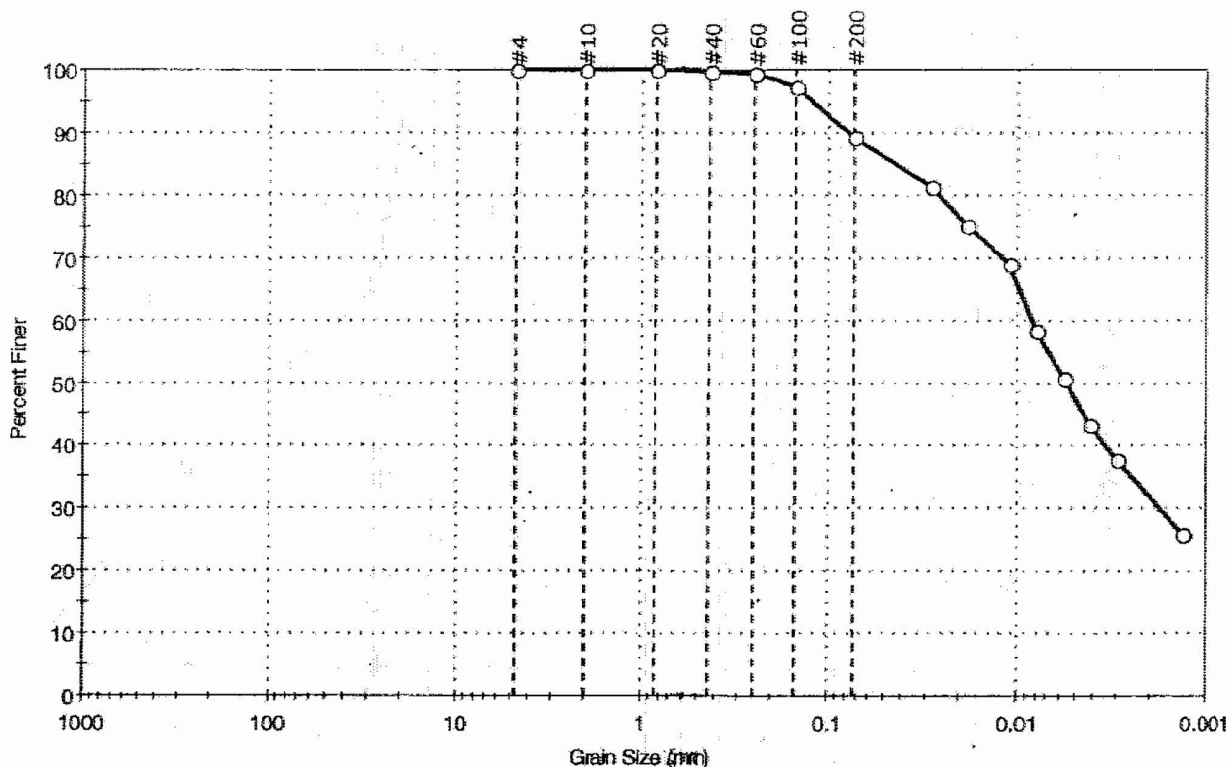
Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Client:	Schnabel Engineering, Inc.				
Project:	Subsurface Investigation Calvert Cliffs Nuclear PP				
Location:	Calvert County, MD	Project No:	GTX-6880		
Boring ID:	B-326	Sample Type:	tube	Tested By:	sam
Sample ID:	S-12	Test Date:	10/17/06	Checked By:	mcm
Depth :	43.5-45.5 ft	Test No:	100408		
Test Comment:	---				
Sample Description:	Moist, very dark gray organic clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	10.7	89.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.84	100		
#40	0.42	100		
#60	0.25	99		
#100	0.15	97		
#200	0.075	89		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.075	89		
---	0.06	82		
---	0.05	75		
---	0.0425	68		
---	0.03	58		
---	0.025	51		
---	0.02	43		
---	0.015	38		
---	0.0125	36		
---	0.0106	26		

Coefficients

D ₈₅ = 0.0439 mm	D ₃₀ = 0.0018 mm
D ₆₀ = 0.0084 mm	D ₁₅ = N/A
D ₅₀ = 0.0056 mm	D ₁₀ = N/A
C _u = N/A	C _c = N/A

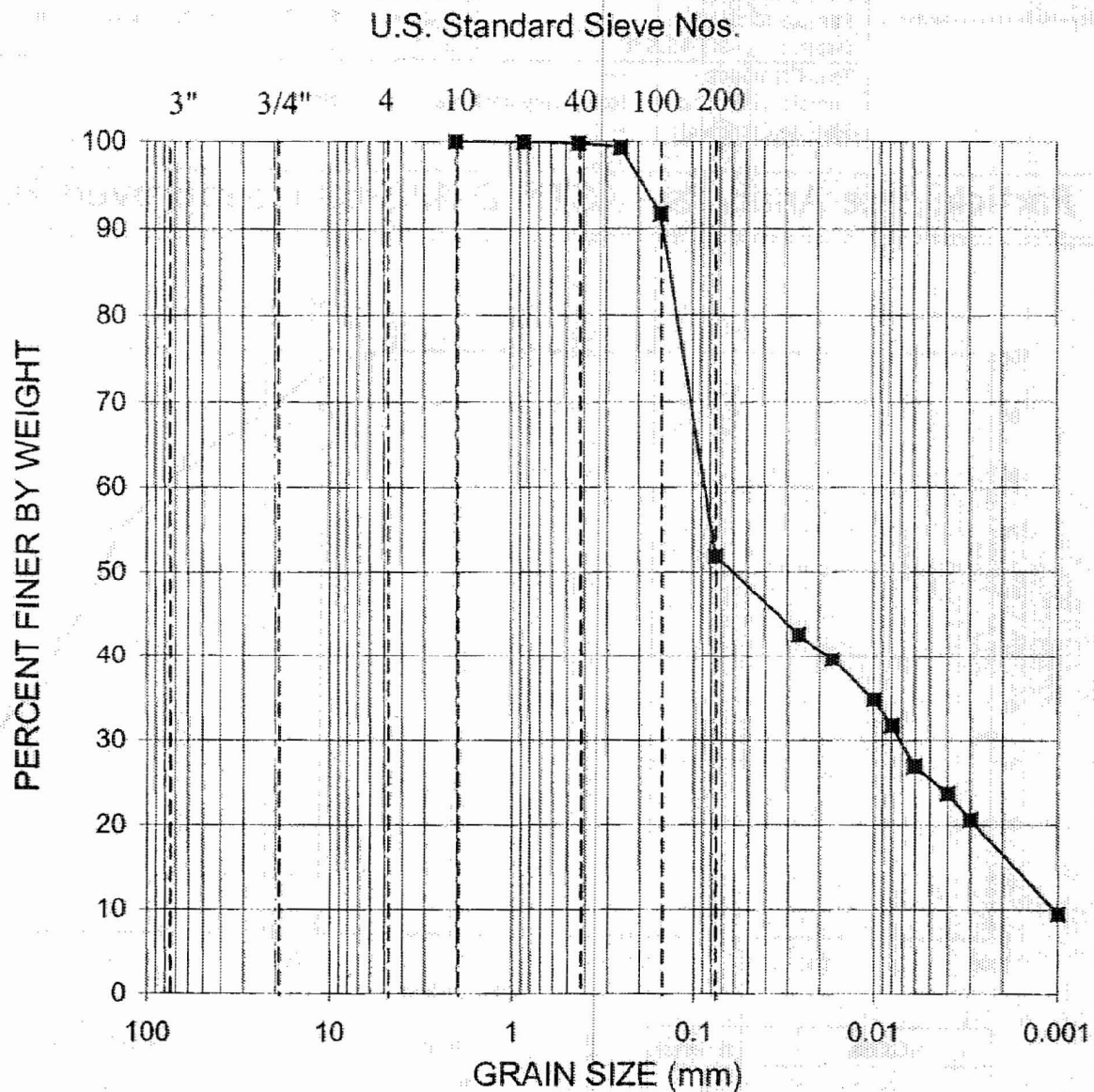
Classification

ASTM organic clay (OH)

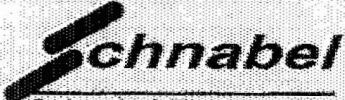
AASHTO Clayey Soils (A-7-6 (44))

Sample/Test Description

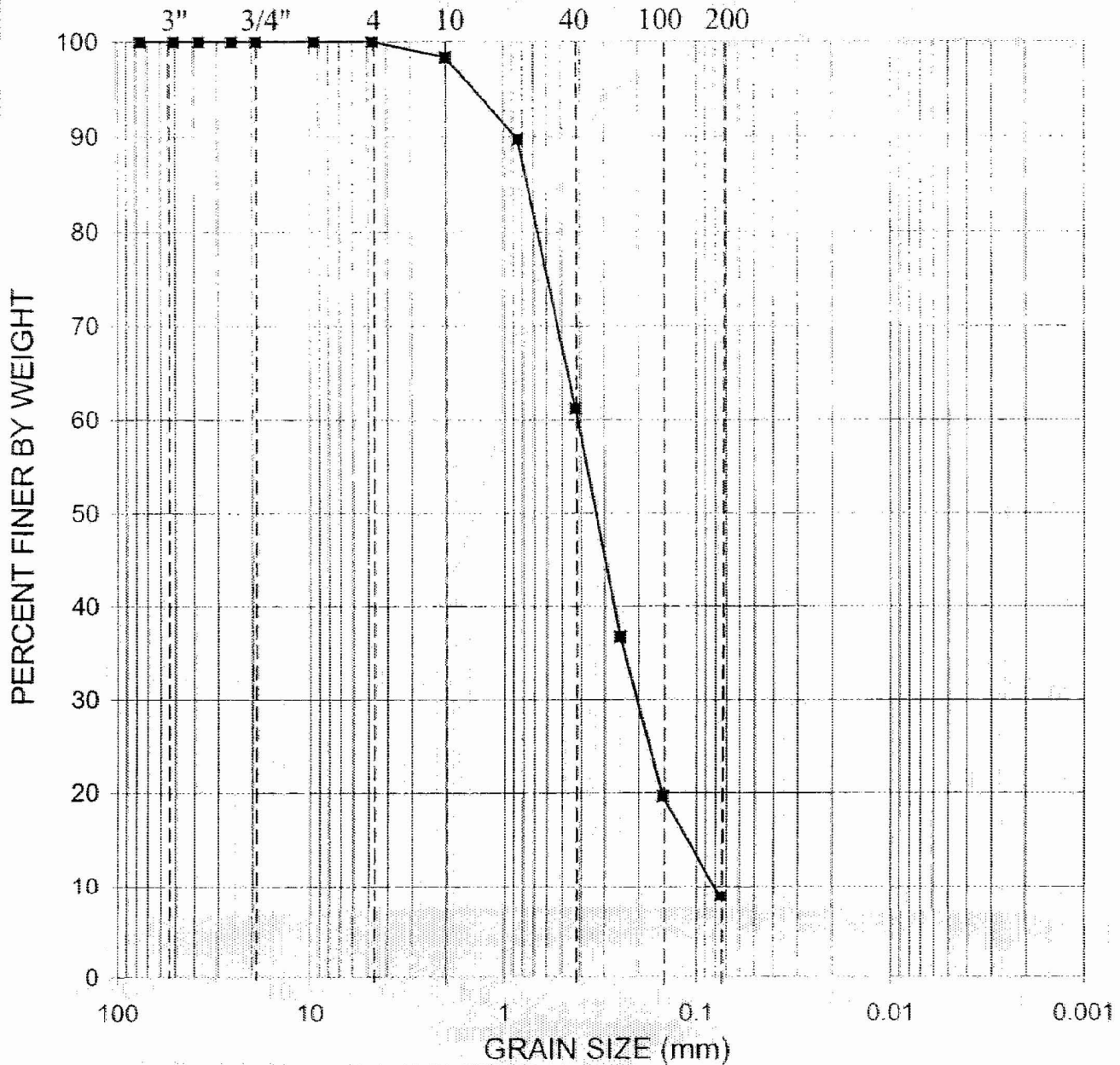
Sand/Gravel Particle Shape : ANGULAR
Sand/Gravel Hardness : ---



GRAVEL	SAND	SILT OR CLAY
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Key	Sample	Depth(ft.)	Sample Description	Class.	LL	PI	 Schnabel Engineering GRADATION CURVES
■	B-327	113.5-114.2	Sandy FAT CLAY - gray	CH	60	36	
▲							
●							Project: Calvert Cliffs Nuclear Power Plant Contract No. 06120048 Date: 10/30/06 Method: ASTM D422

U.S. Standard Sieve Nos.

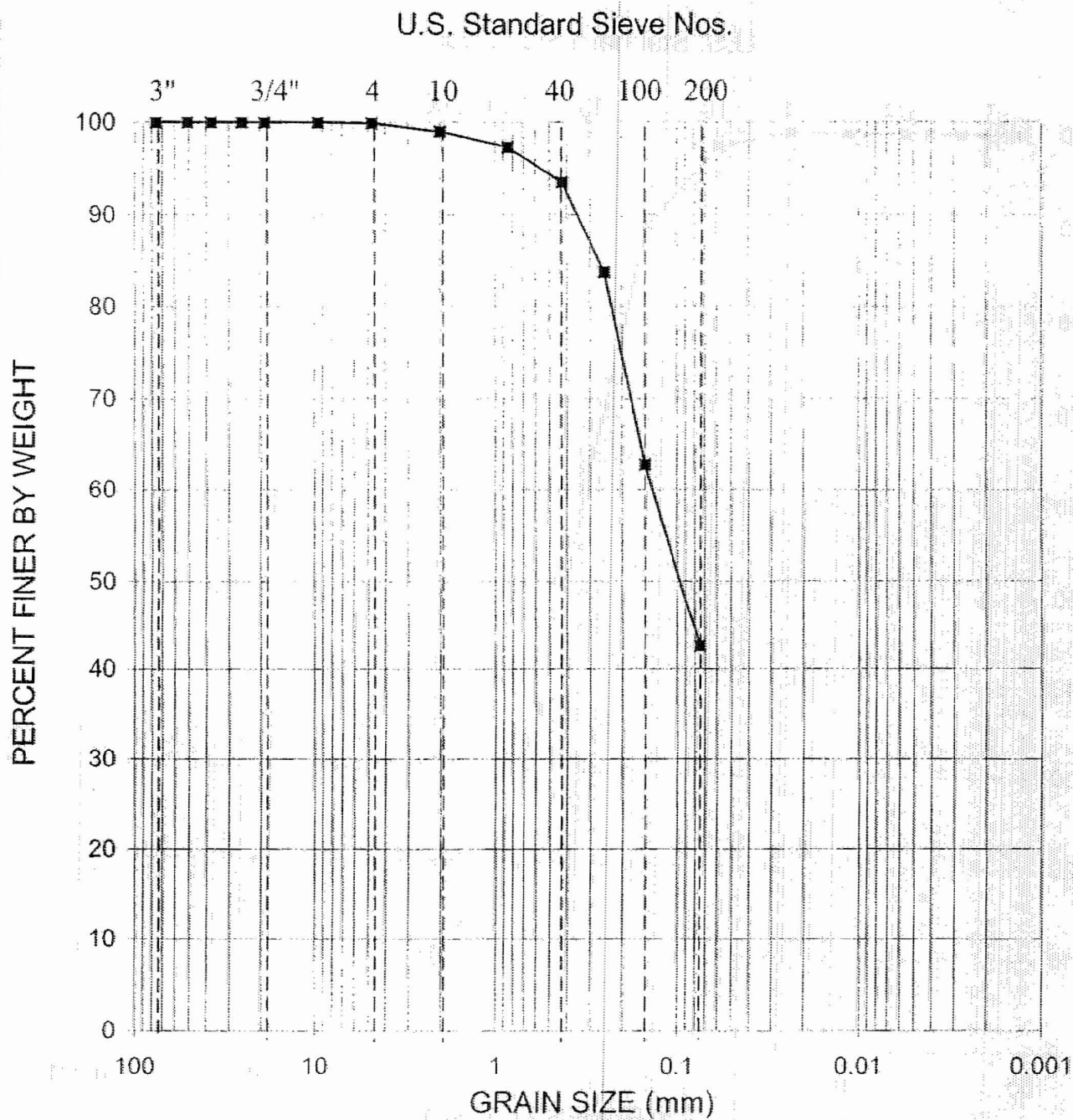


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-328	2.5	Poorly Graded SAND, with silt, tan	SP-SM	NP	NP		



GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-328	28.5	Clayey SAND, contains shells, dark gray	SC	40	19		

U.S. Standard Sieve Nos.

