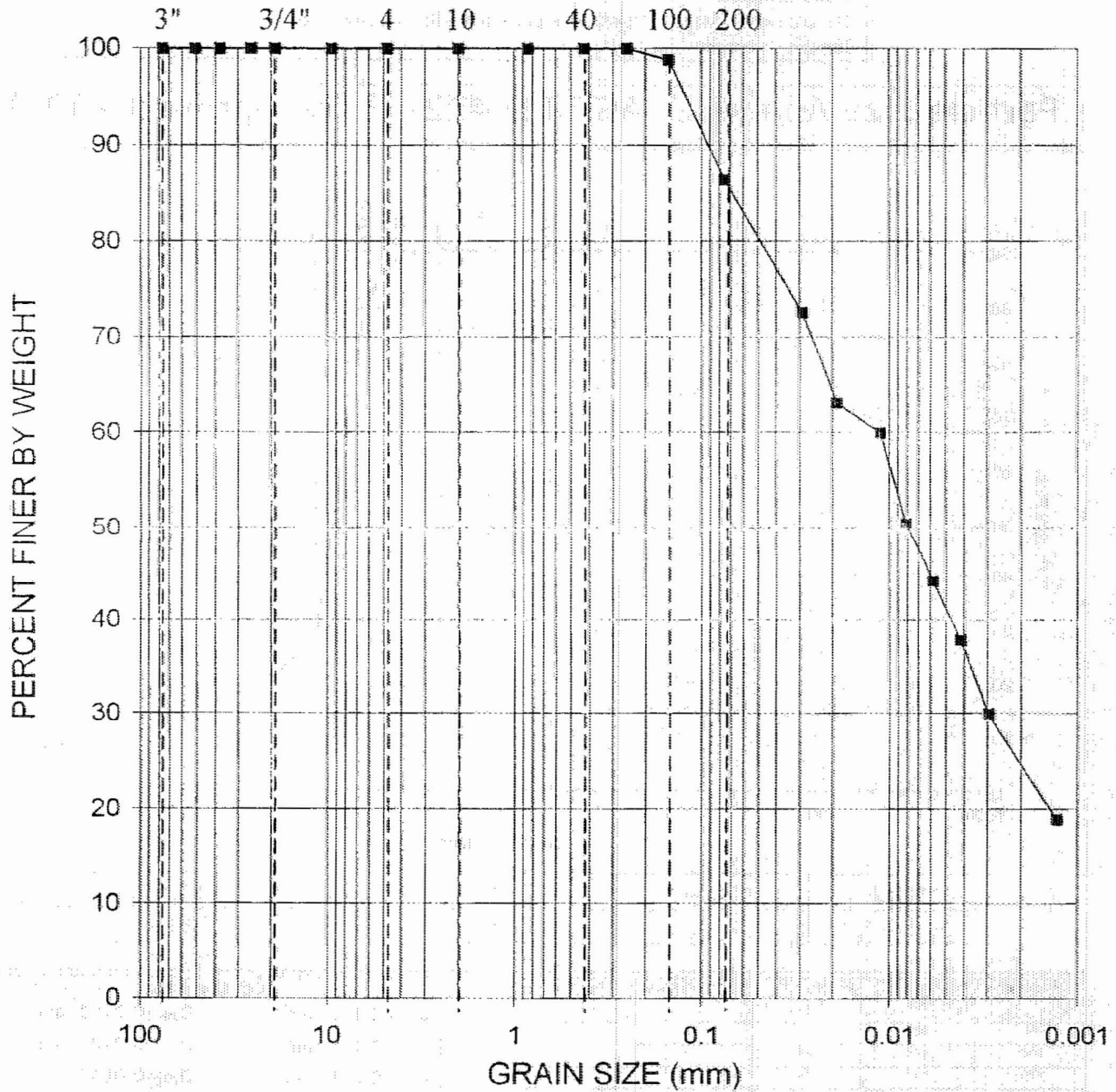


U.S. Standard Sieve Nos.



GRAVEL

SAND

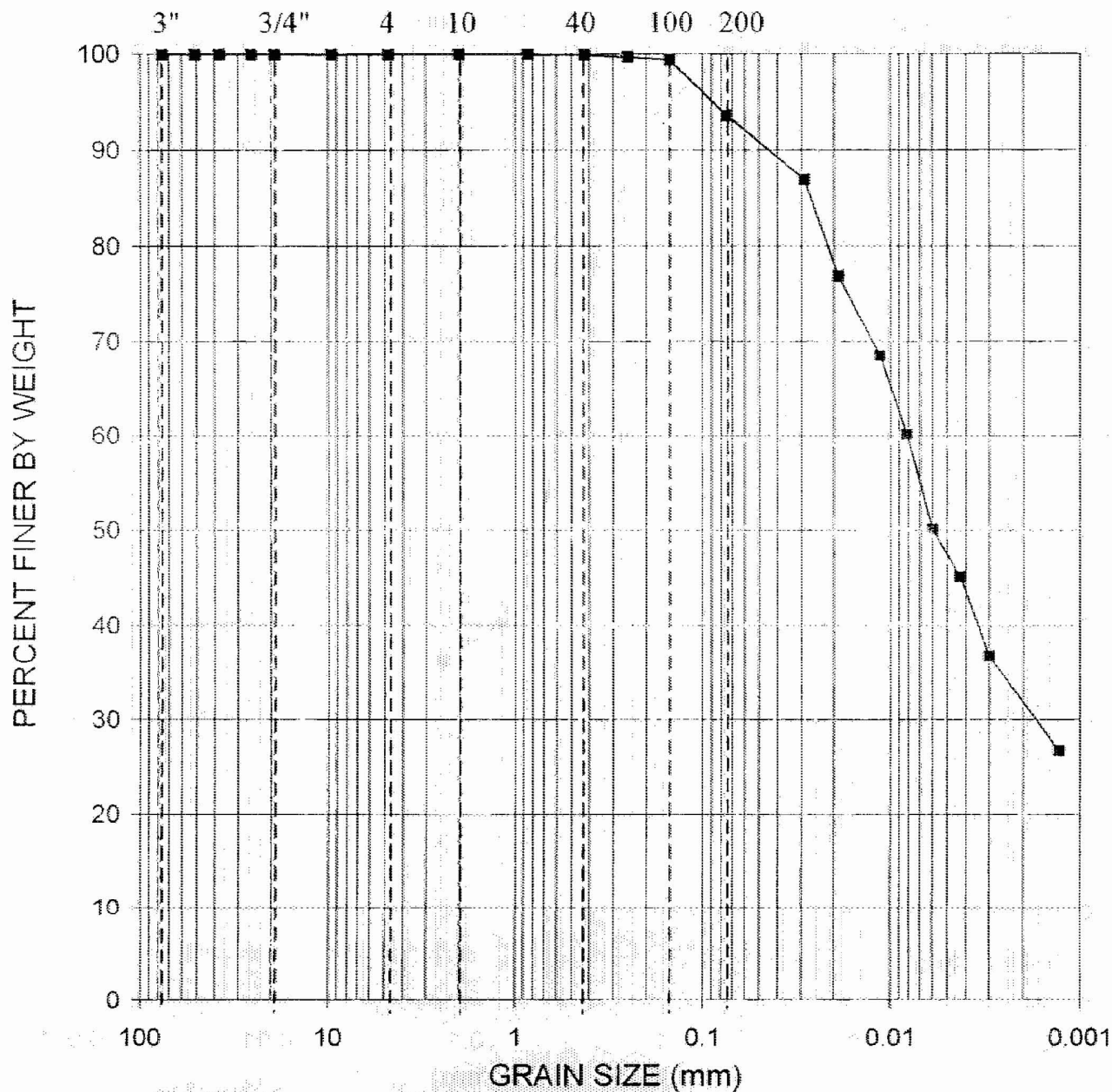
SILT OR CLAY

GRADATION CURVE ASTM D422

Project: Constellation Energy Group, LLC, Constellation Energy Nuclear Power Plant (CNPP), Calvert County, Maryland					
Boring No.	Depth (ft)	Sample Description	Class	LL	PI
B-746	23.5	FAT CLAY, trace sand, dark gray	CH	52	35

Schnabel
Schnabel Engineering

U.S. Standard Sieve Nos.

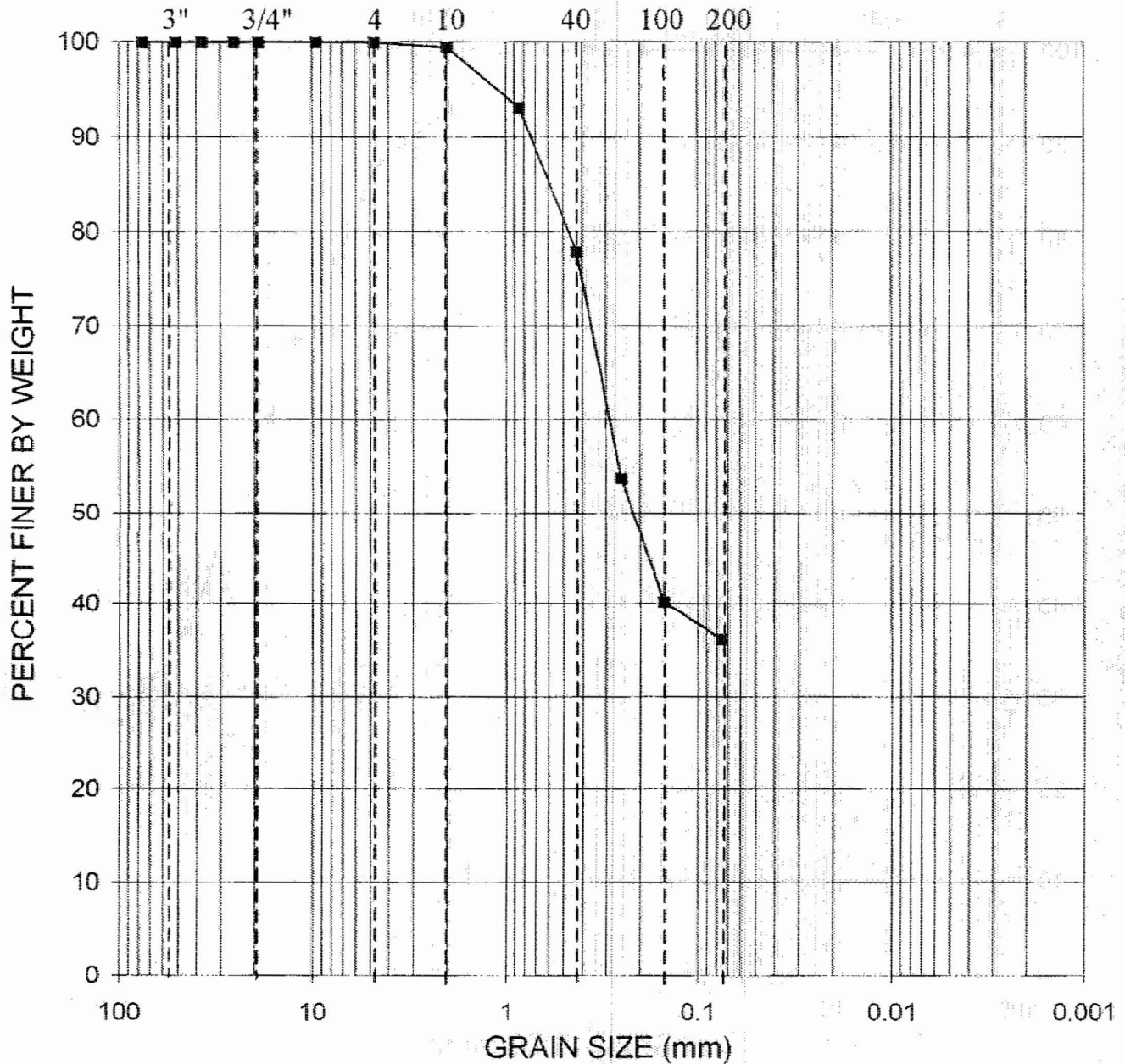


GRADATION CURVE
ASTM D422

Client: Calvert Cliffs Nuclear Power Plant (CCNPP) Calvert County, Maryland			Contract No.: 06120048		Date: 10/18/2006	
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-746	33.5	FAT CLAY, trace sand, dark gray	CH	64	40	

Schnabel
Schnabel Engineering

U.S. Standard Sieve Nos.

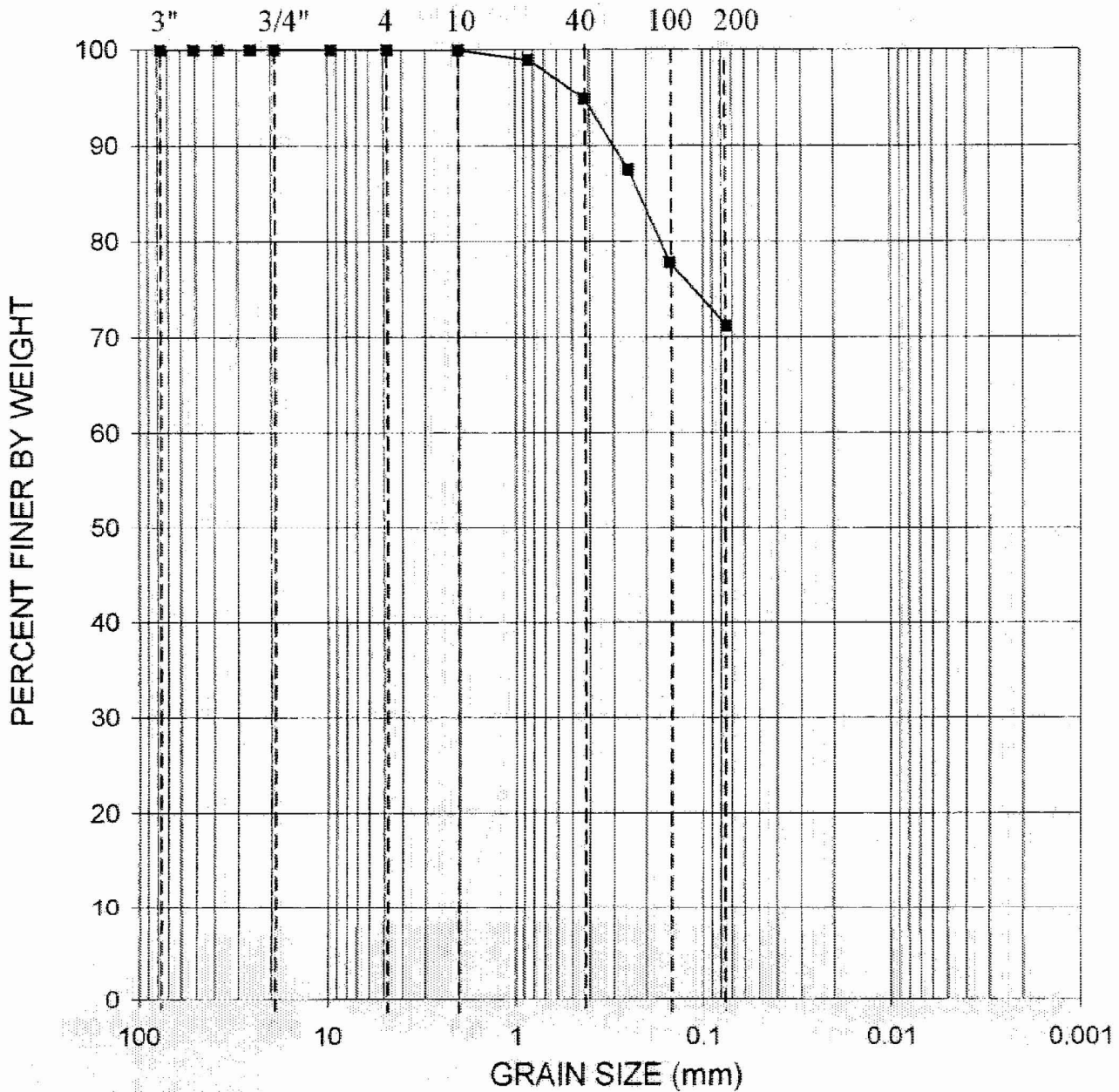


GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/22/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
B-747	2.5	Silty SAND, brown	SM					

U.S. Standard Sieve Nos.

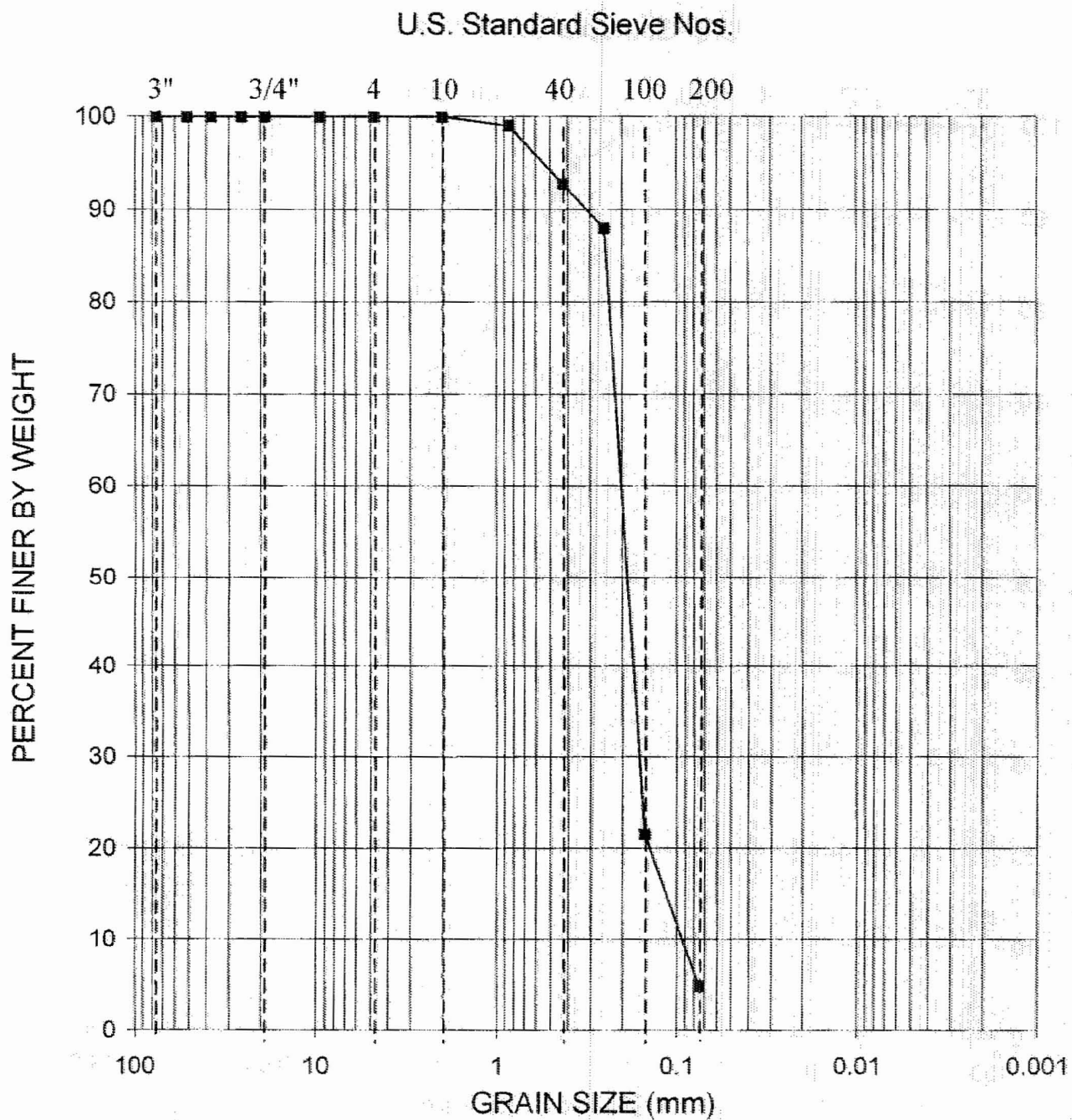


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date:	9/22/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-747	5.0	SILT, with sand, brown	ML				

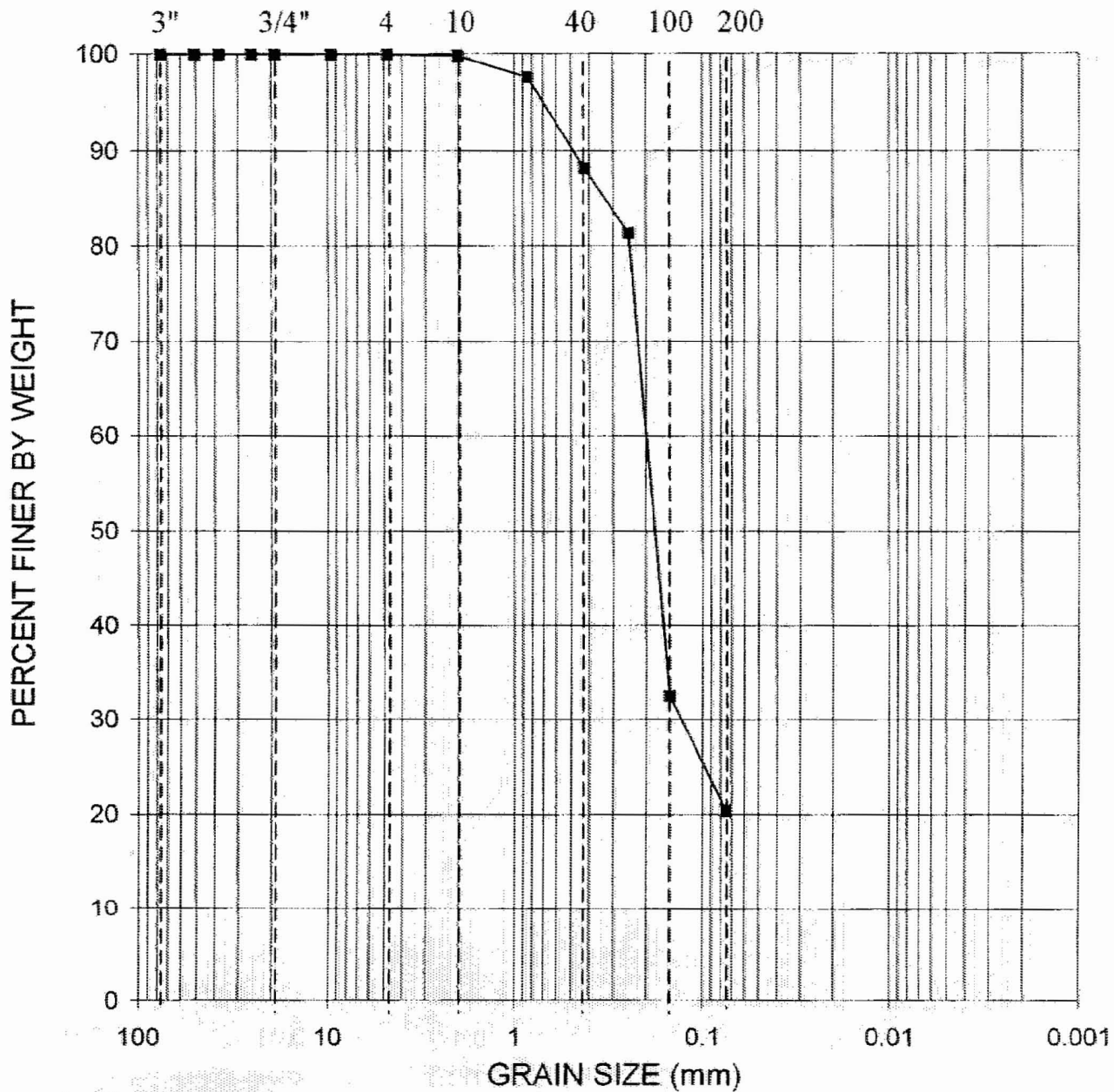


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/22/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-747	10.5	Poorly Graded SAND, with silt, light brown	SP-SM				

U.S. Standard Sieve Nos.



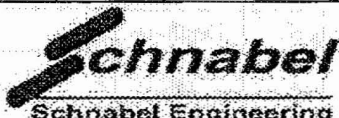
GRAVEL

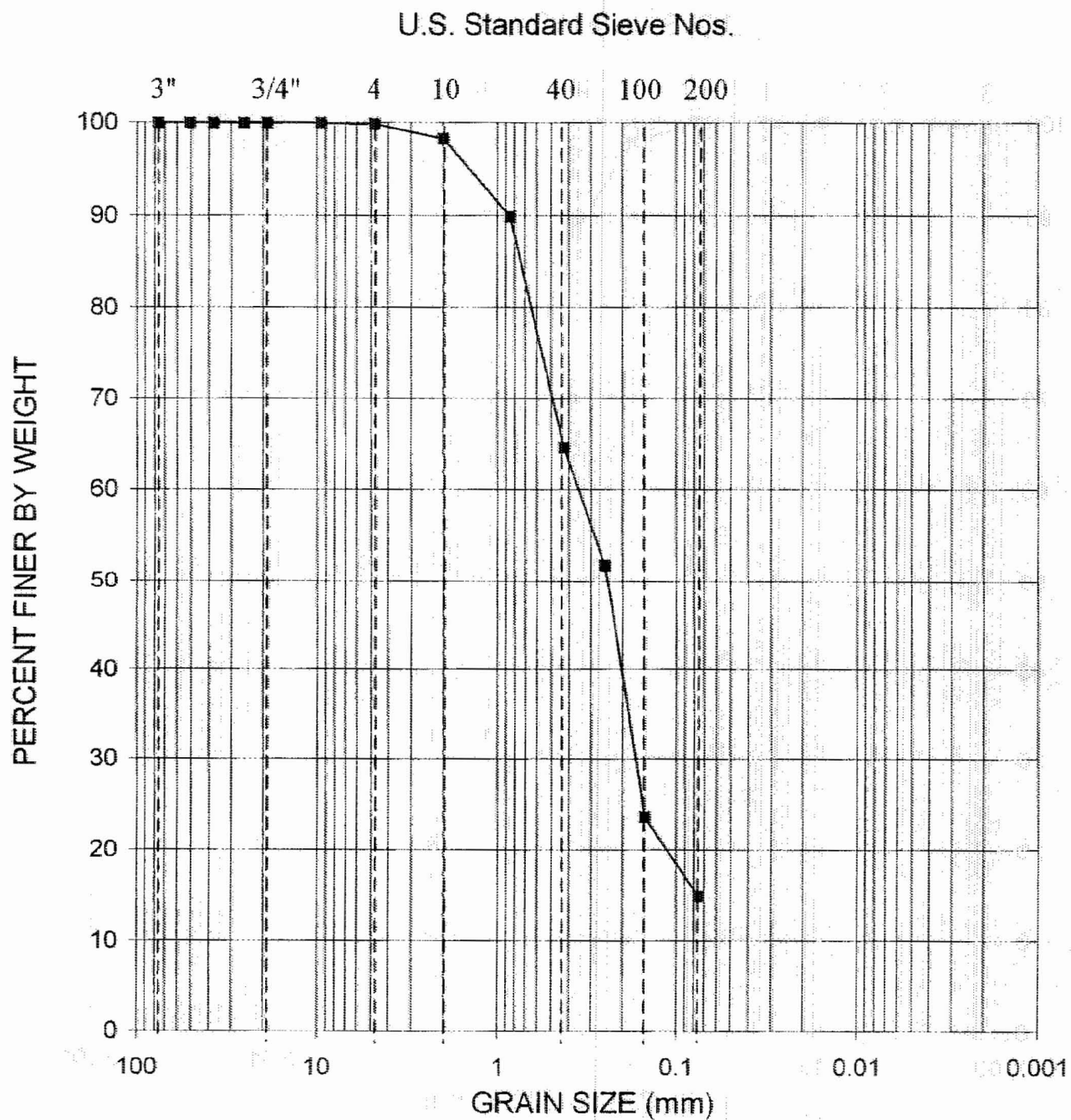
SAND

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:	9/27/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-747	13.5	Silty SAND, orange-brown	SM				



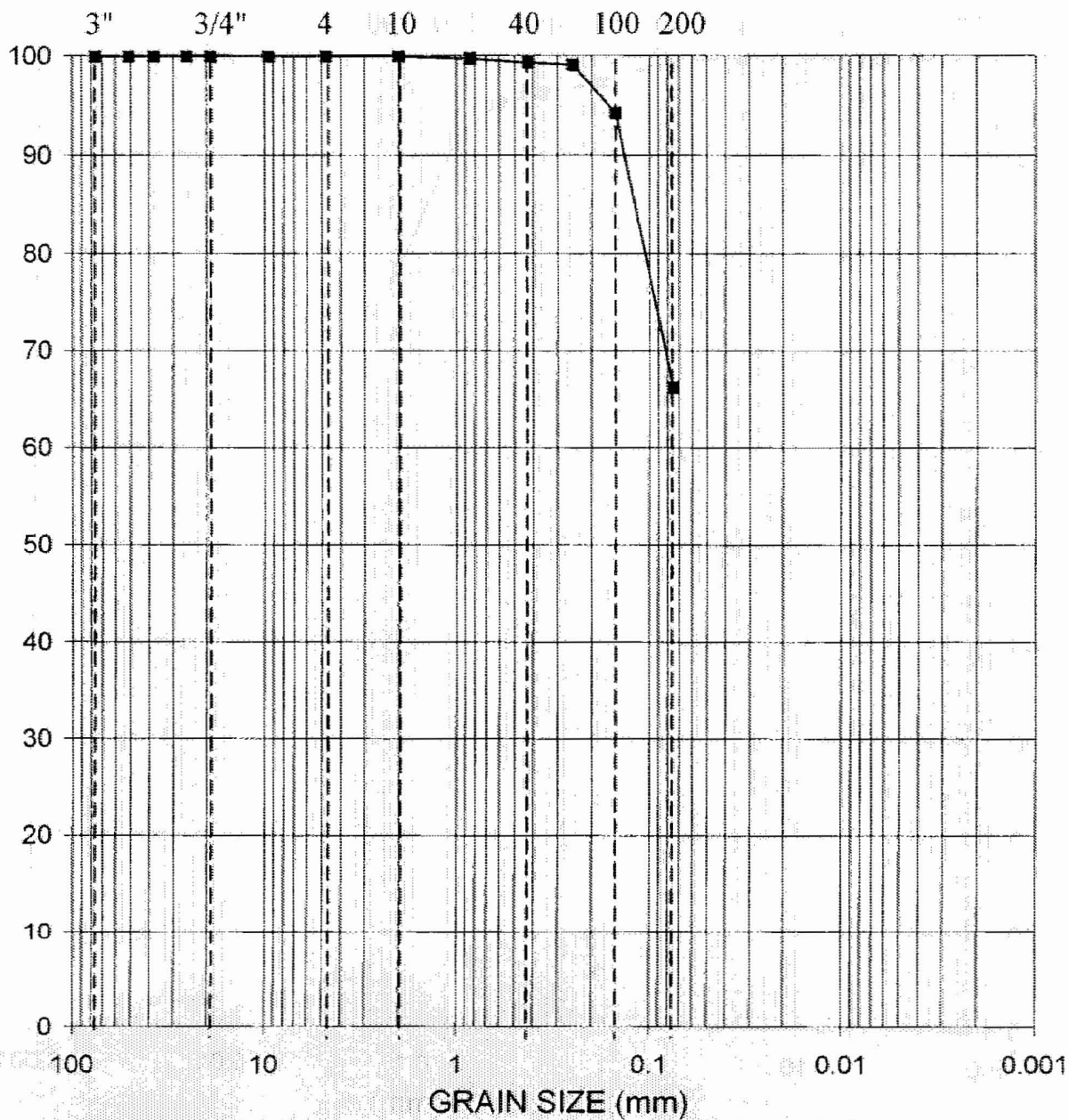
GRADATION CURVE

ASTM D422

Project:		Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/27/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
B-747	18.5	Silty SAND, brown-gray	SM					

PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.

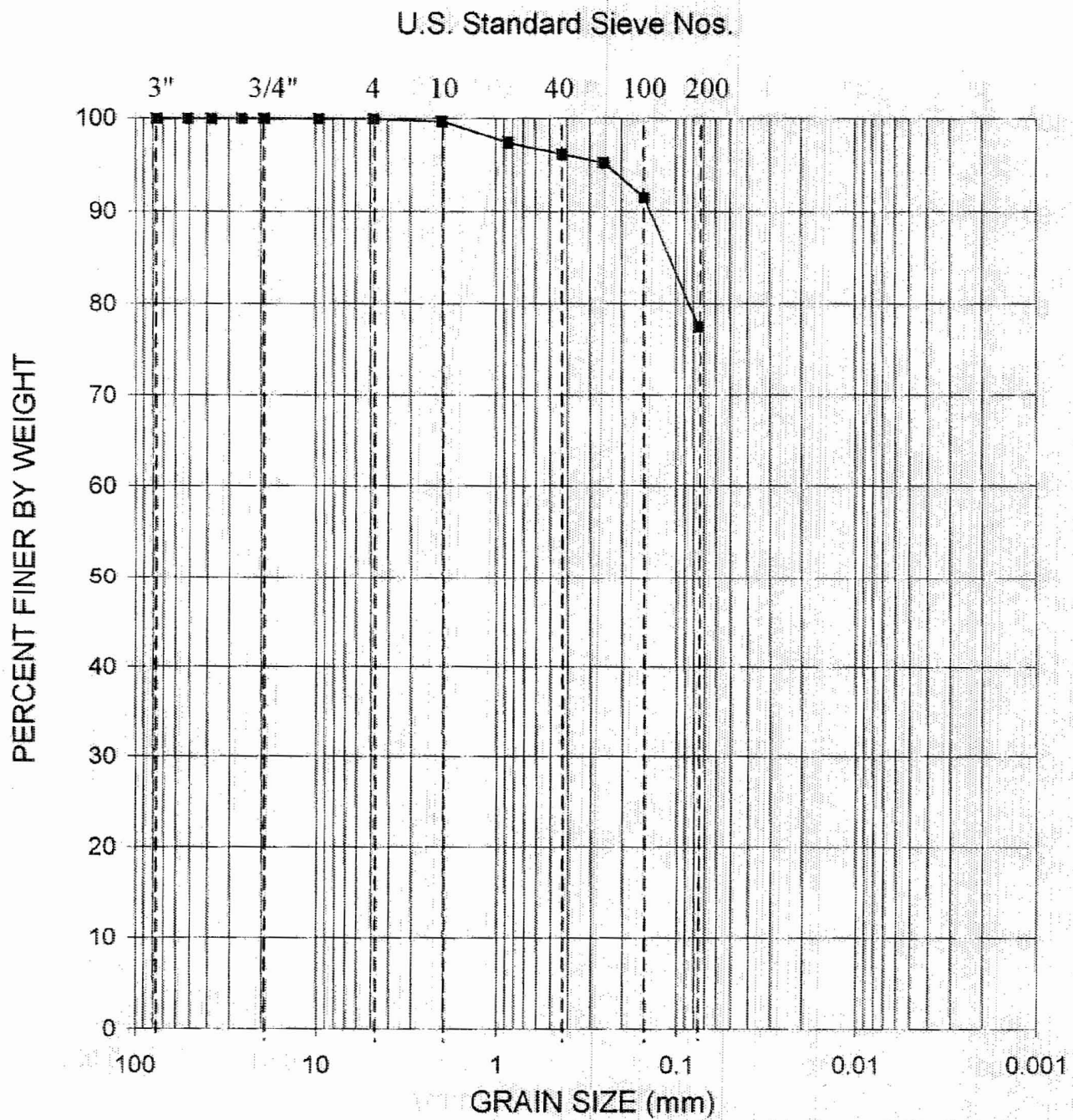


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-747	23.5	Sandy SILT, gray	ML				

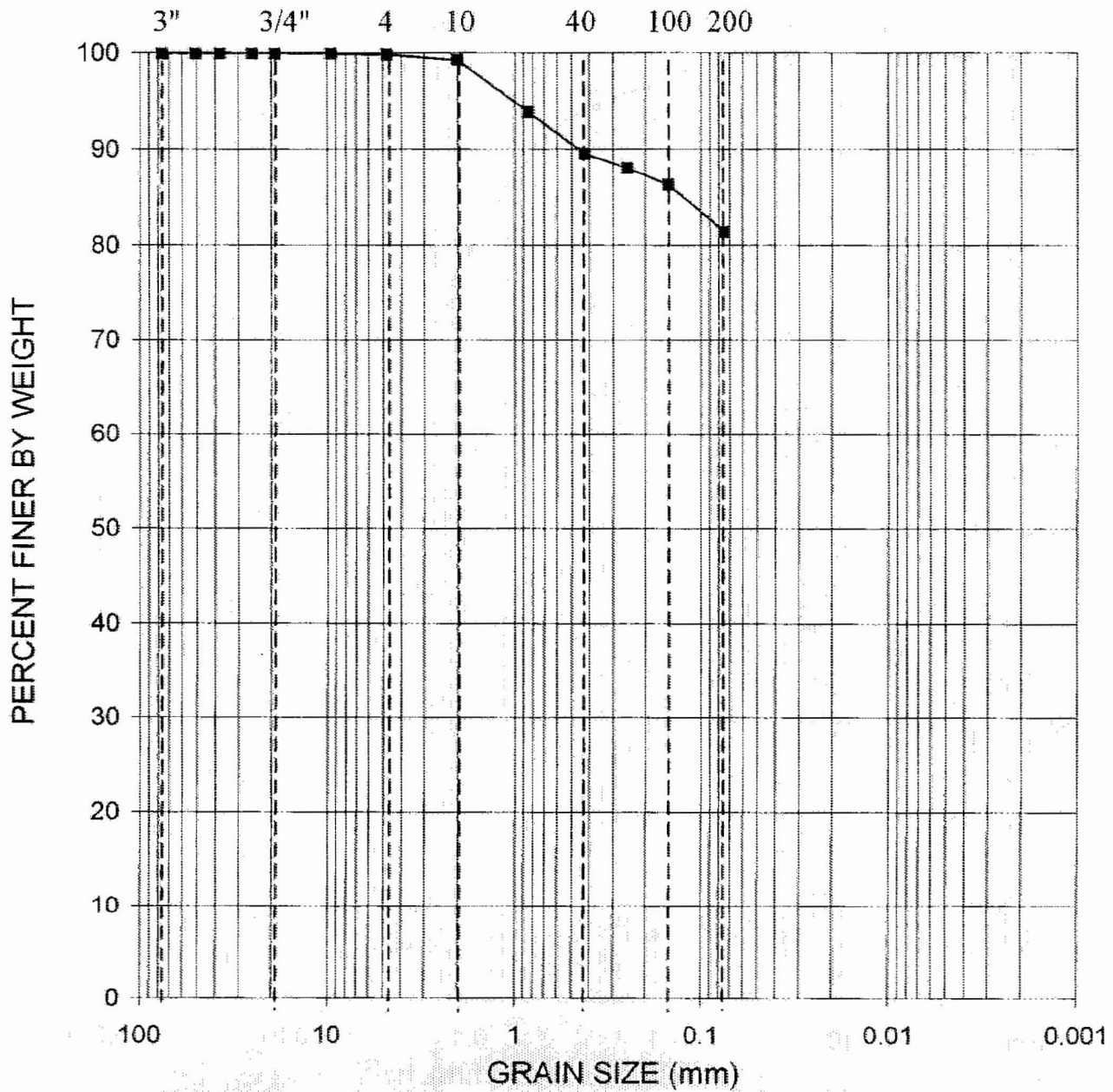


GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
B-747	33.5	FAT CLAY, with sand, dark gray	CH					

U.S. Standard Sieve Nos.



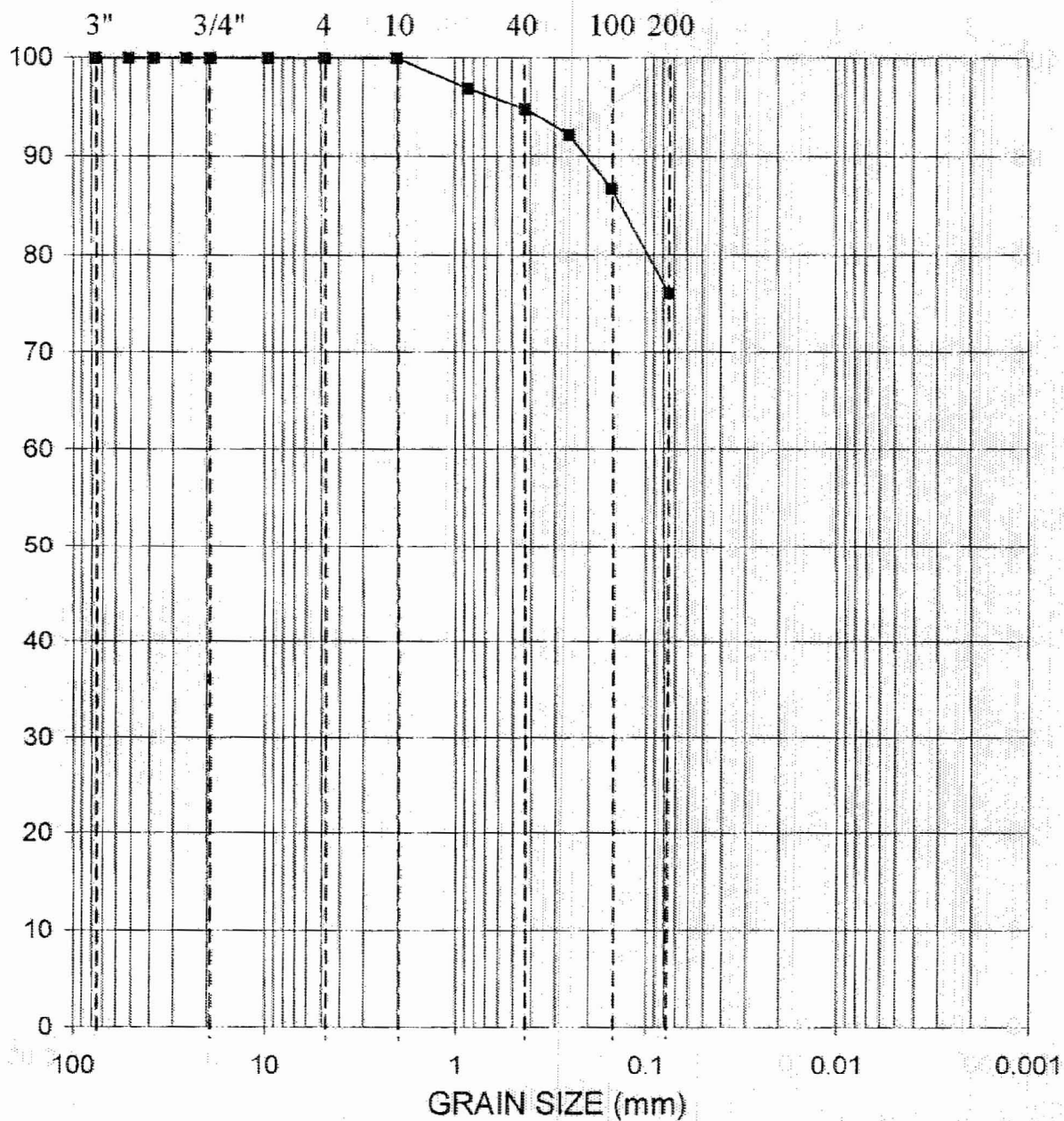
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-747	38.5	FAT CLAY, with sand, dark gray	CH				

PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



GRAVEL

SAND

SILT OR CLAY

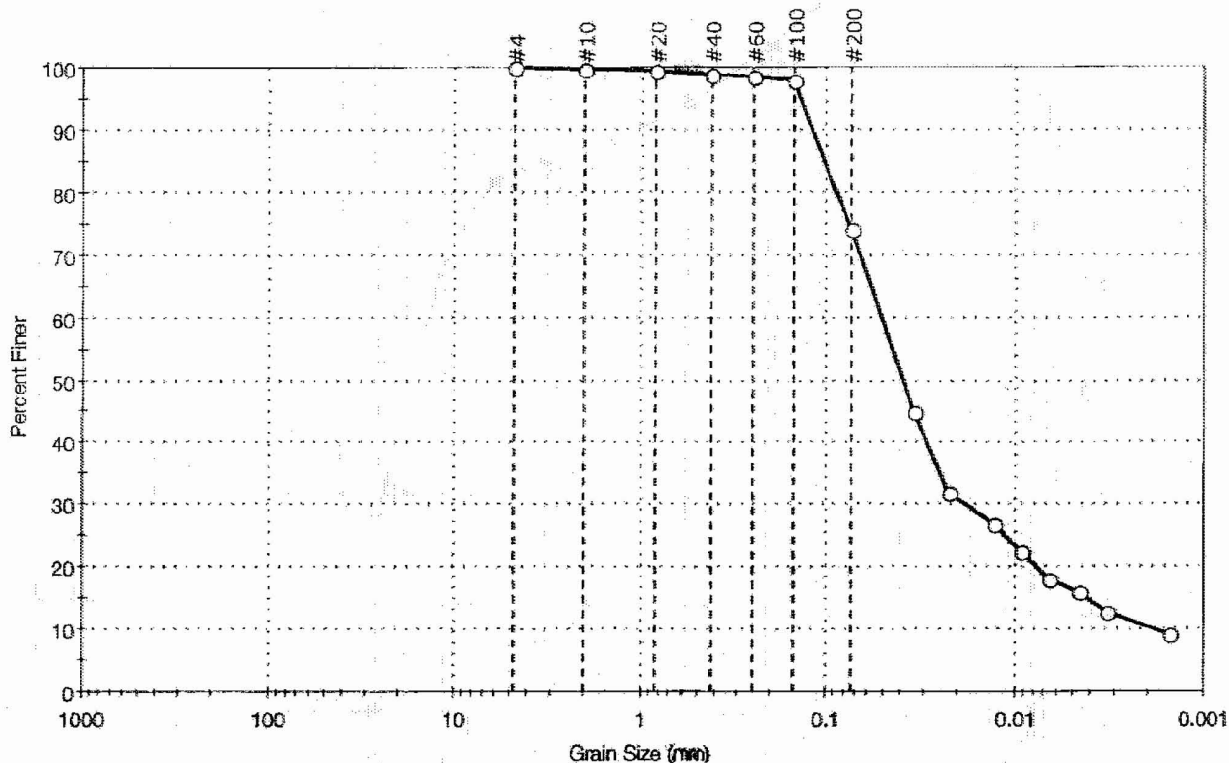
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.	06120048.00	Date	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
B-747	53.5	ELASTIC SILT, with sand, dark green-gray	MH	78	31			

Client: Schnabel Engineering, Inc.	Project: Subsurface Investigation Calvert Cliffs Nuclear PP	Project No: GTX-6880
Location: Calvert County, MD	Boring ID: B-747	Sample Type: tube
Sample ID: S-15	Test Date: 09/29/06	Tested By: sam
Depth: 58.5-60 ft	Test ID: 99170	Checked By: mcm
Test Comment: ---		
Sample Description: Moist, dark olive gray clay with sand		
Sample Comment: ---		

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



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	25.8	74.2

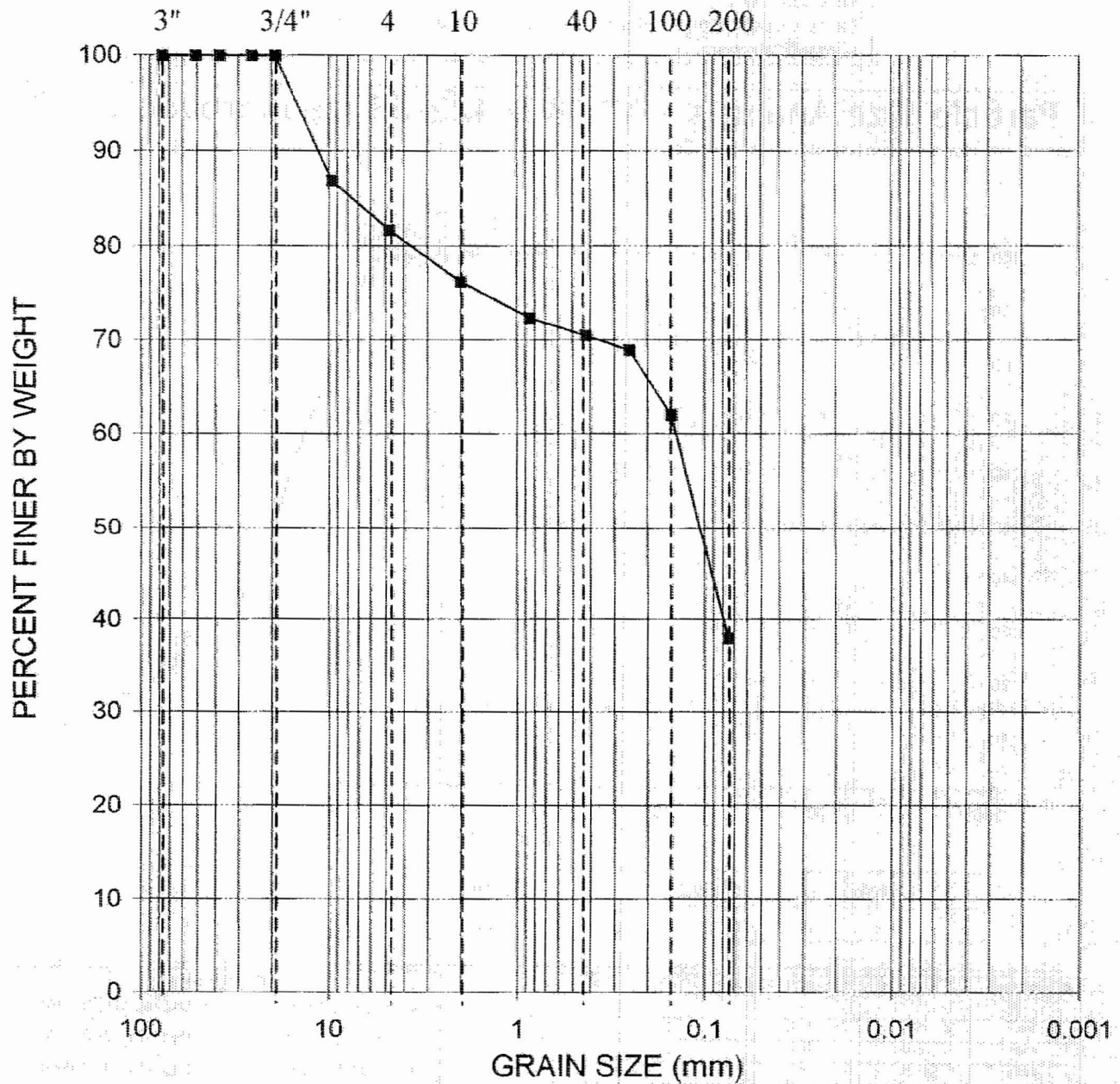
Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.84	99		
#40	0.42	99		
#60	0.25	99		
#100	0.15	98		
#200	0.074	74		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0345	45		
---	0.0221	32		
---	0.0128	27		
---	0.0091	22		
---	0.0065	18		
---	0.0046	16		
---	0.0033	13		
---	0.0016	9		

Coefficients	
D ₈₅ = 0.1017 mm	D ₃₀ = 0.0178 mm
D ₆₀ = 0.0512 mm	D ₁₅ = 0.0042 mm
D ₅₀ = 0.0395 mm	D ₁₀ = 0.0018 mm
C _u = N/A	C _c = N/A

Classification	
ASTM	fat clay with sand (CH)
AASHTO	Clayey Soils (A-7-6 (31))

Sample/Test Description	
Sand/Gravel Particle Shape :	---
Sand/Gravel Hardness :	---

U.S. Standard Sieve Nos.



GRAVEL

SAND

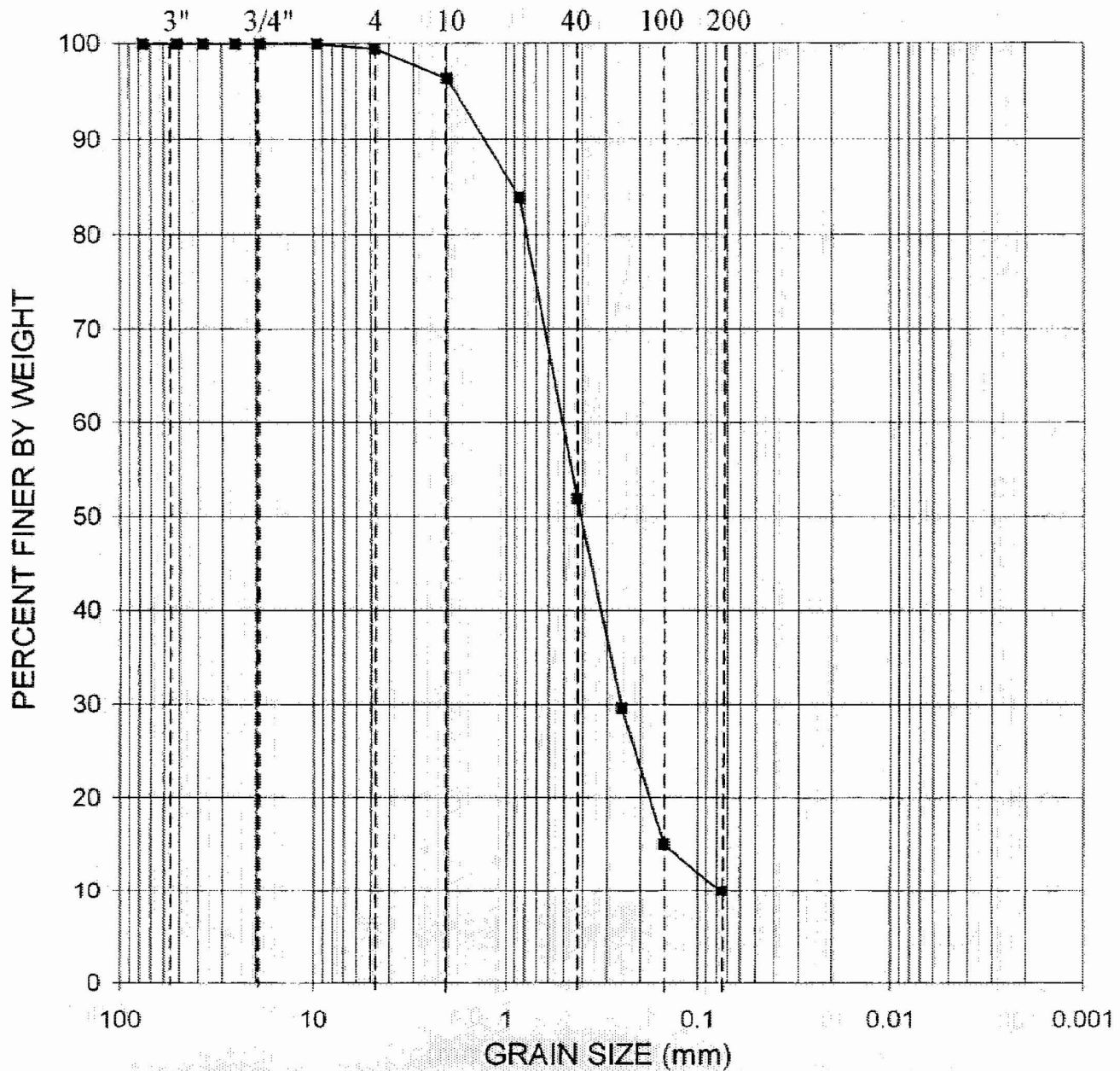
SILT OR CLAY

GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
B-747	63.5	Clayey SAND, with shells, dark green	SC	43	23			

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	9/27/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-752	2.5	Poorly Graded SAND, with silt, orange	SP-SM				