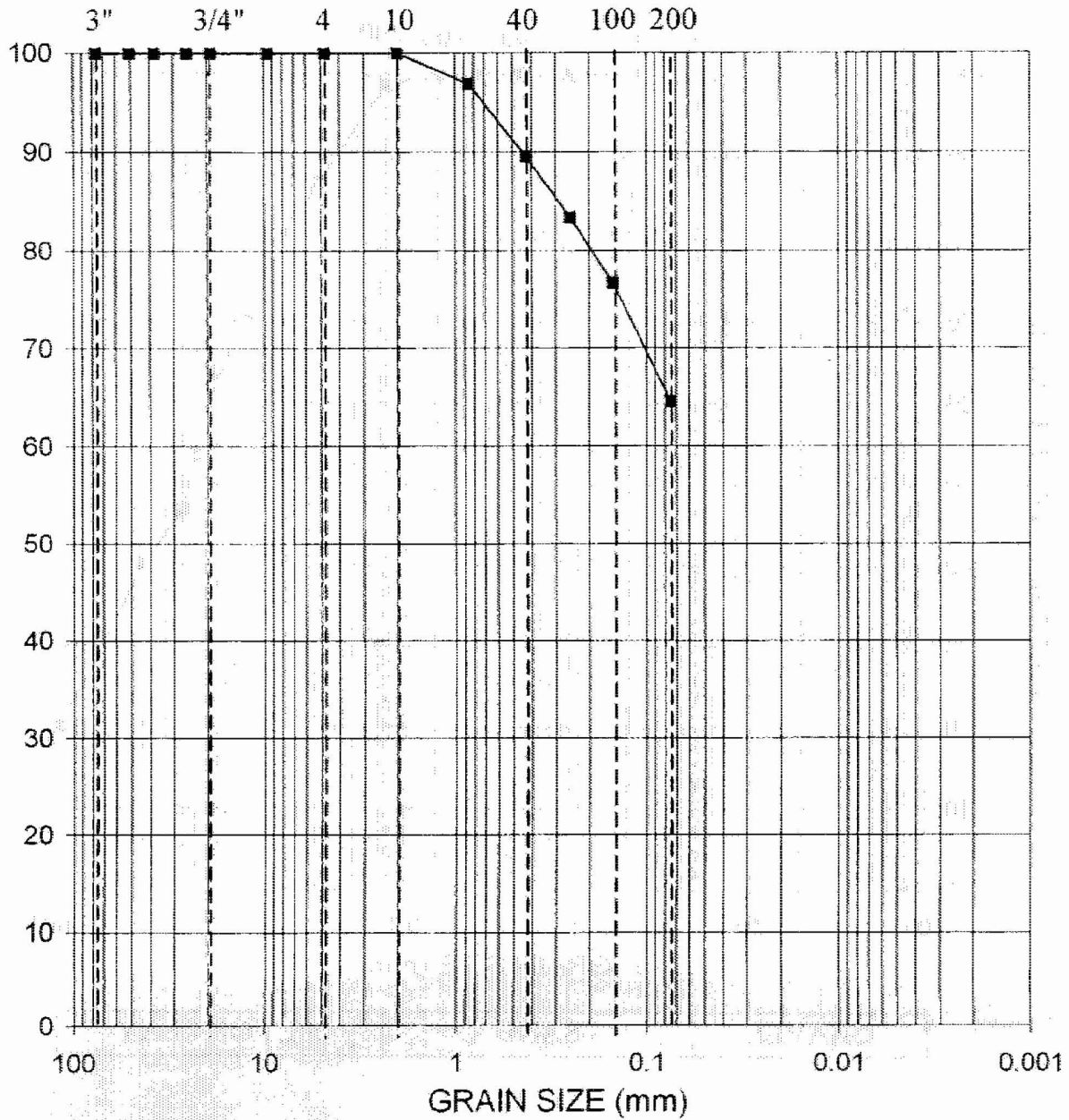


U.S. Standard Sieve Nos.

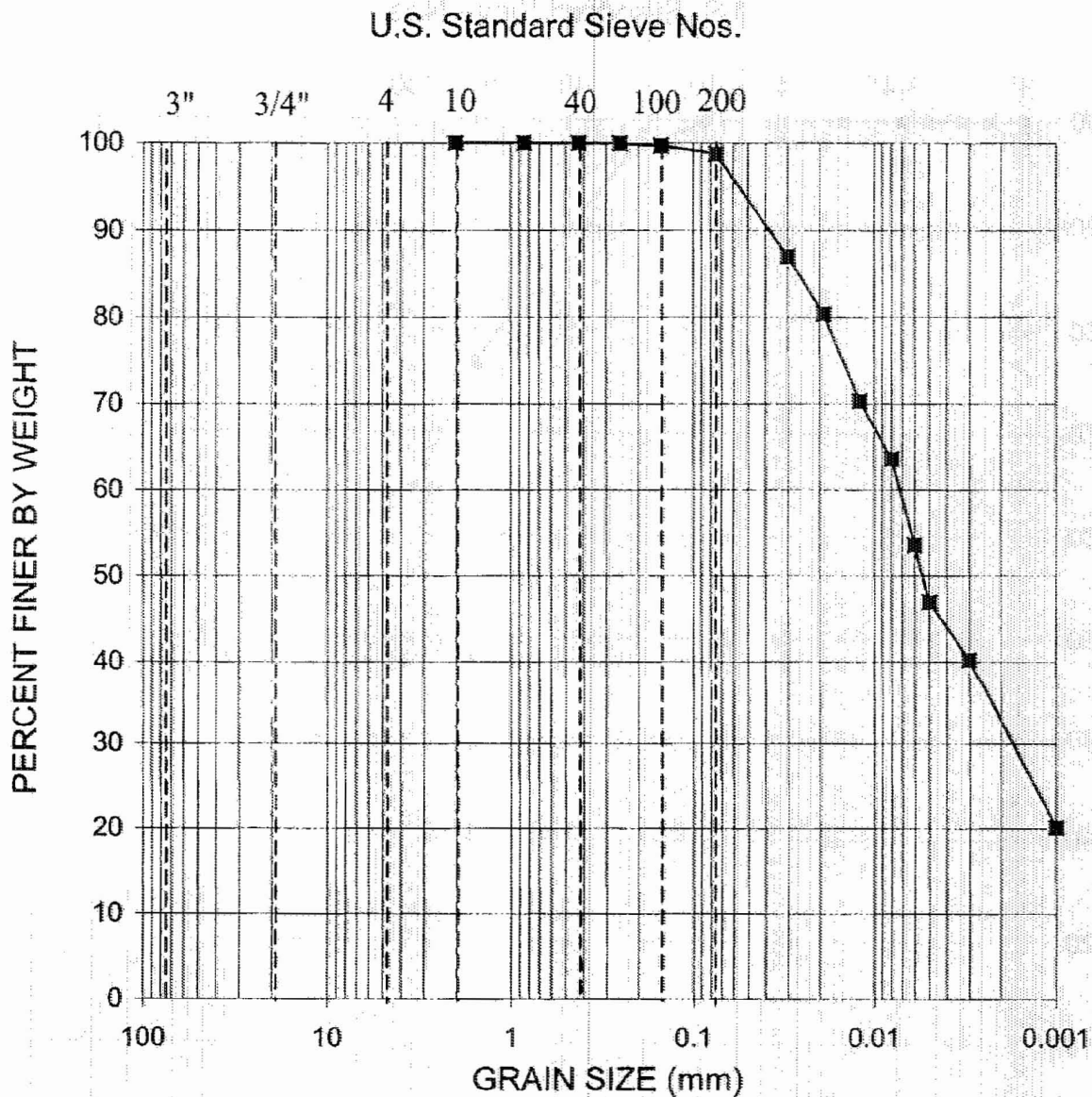
PERCENT FINER BY WEIGHT



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	9/11/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-401	218.5	Sandy ELASTIC SILT, dark green	MH				

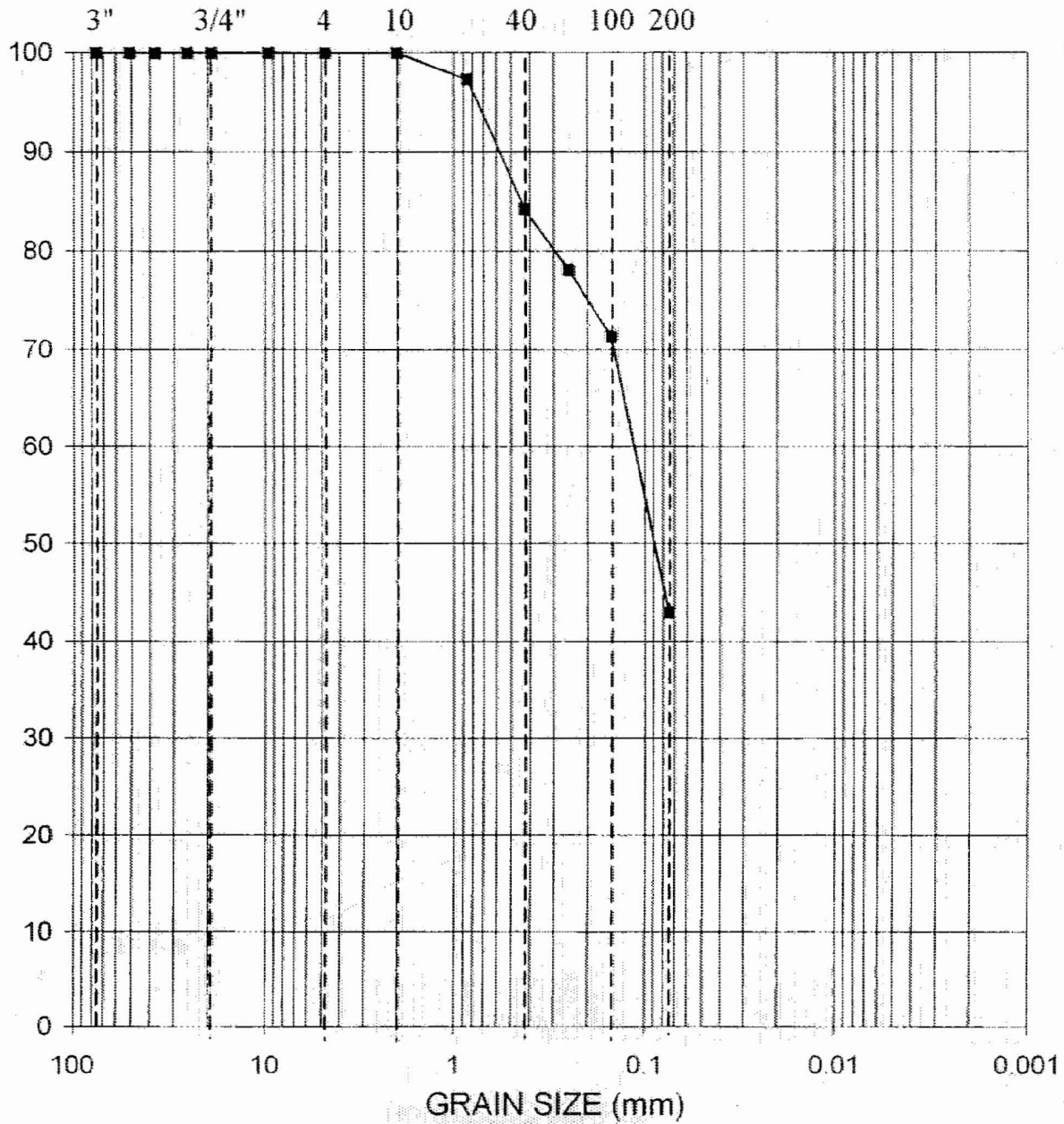


GRAVEL	SAND	SILT OR CLAY
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Key	Sample	Depth(ft.)	Sample Description	Class.	LL	PI	 Schnabel Engineering GRADATION CURVES
■	B-401	243.5-244.4	ELASTIC SILT - light gray	MH	140	75	
▲							
●							Project: Calvert Cliffs Nuclear Power Plant Contract No. 06120048 Date: 11/13/06 Method: ASTM D422

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT

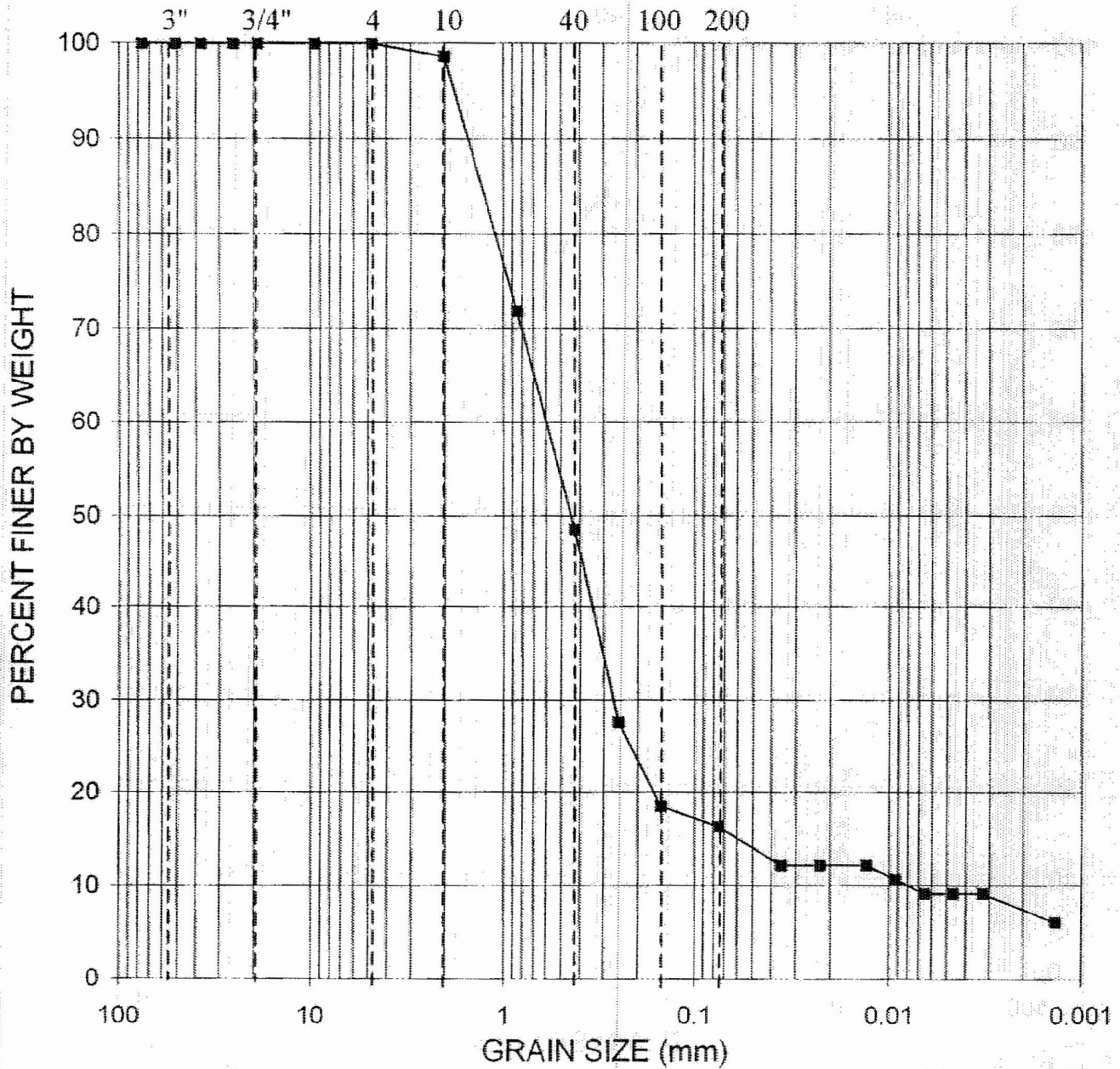


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE ASTM D422

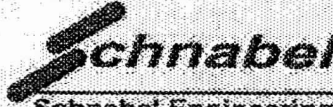
Project	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date	9/11/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-401	268.5	Silty SAND, dark green	SM				

U.S. Standard Sieve Nos.

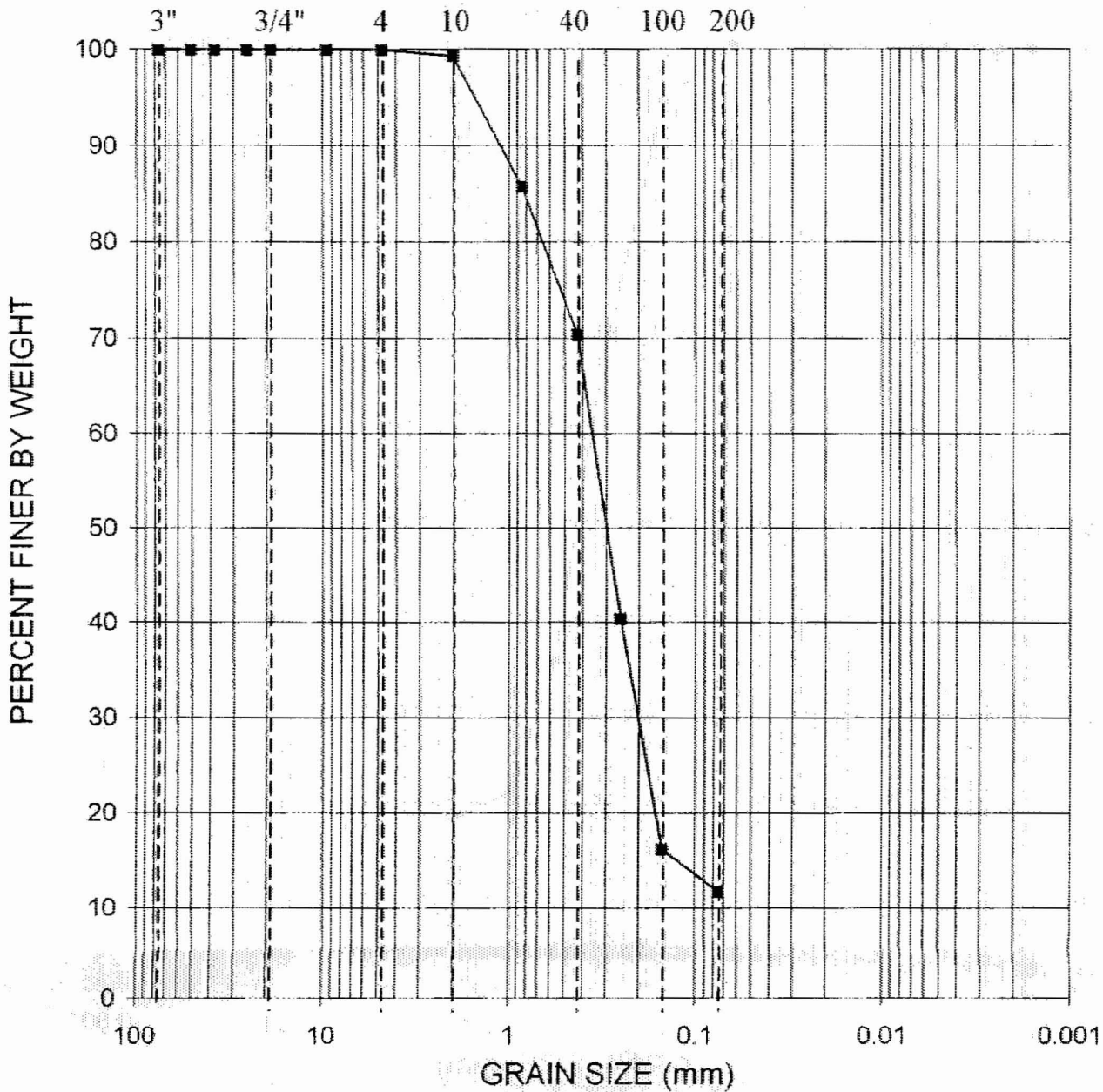


GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/12/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-401	307.5	Silty SAND, dark green	SM	57	15		

U.S. Standard Sieve Nos.



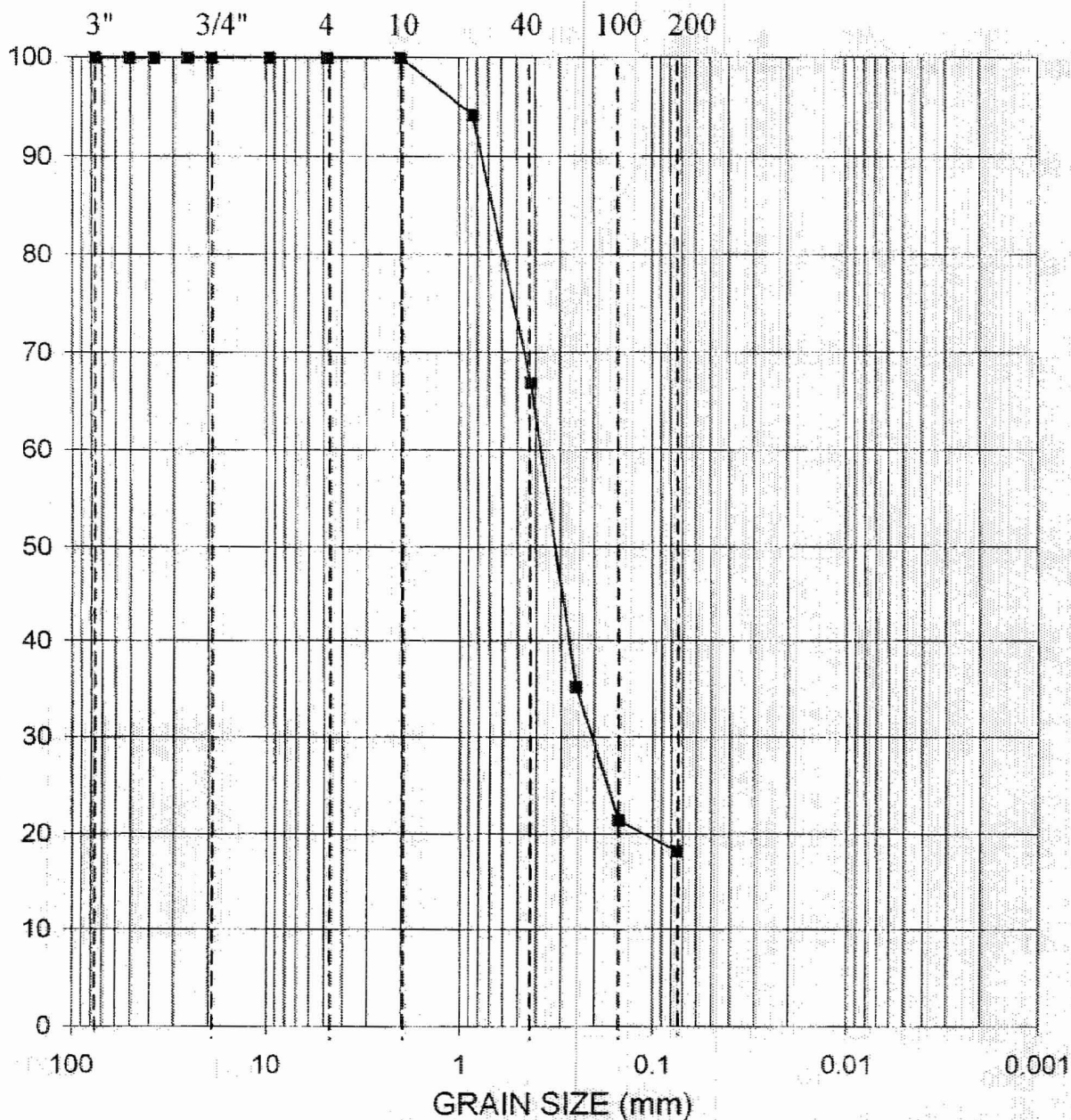
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/11/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-401	368.5	Poorly Graded SAND, with silt, black	SP-SM				

PERCENT FINER BY WEIGHT

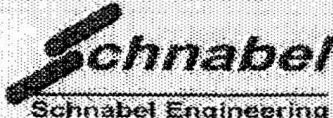
U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
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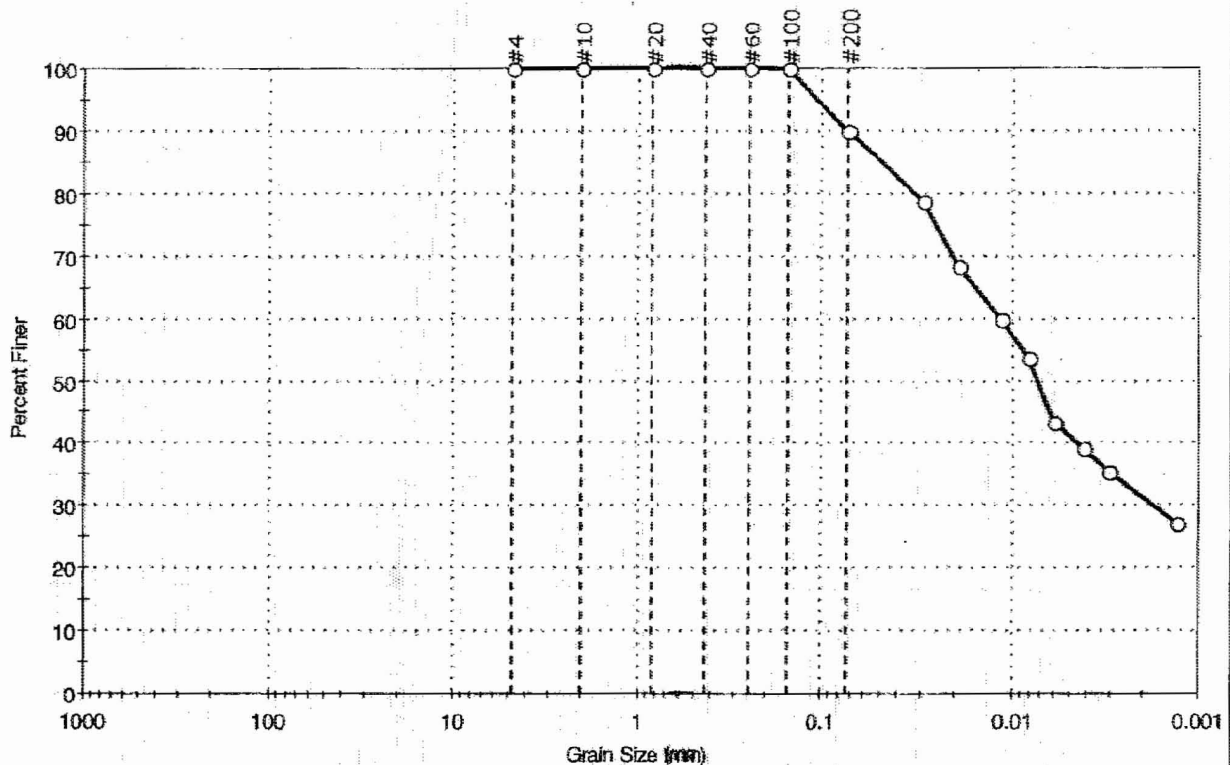
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/11/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-401	400.0	Silty SAND, black	SM				

Client: Schnabel Engineering, Inc.
Project: Subsurface Investigation Calvert Cliffs Nuclear PP
Location: Calvert County, MD Project No: GTX-6880
Boring ID: B-406 Sample Type: tube Tested By: sam
Sample ID: S-16 Test Date: 10/17/06 Checked By: mcm
Depth: 63.5-65.5 ft Test ID: 100603
Test Comment: ---
Sample Description: Moist, very dark gray organic clay with sand
Sample Comment:

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



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	9.9	90.1

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	100		
#100	0.15	100		
#200	0.074	90		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0296	79		
---	0.0191	68		
---	0.0113	60		
---	0.0082	54		
---	0.0060	43		
---	0.0042	39		
---	0.0030	35		
---	0.0013	27		

Coefficients

D₈₅ = 0.0492 mm D₃₀ = 0.0017 mm
D₆₀ = 0.0113 mm D₁₅ = N/A
D₅₀ = 0.0073 mm D₁₀ = N/A
C_u = N/A C_c = N/A

Classification

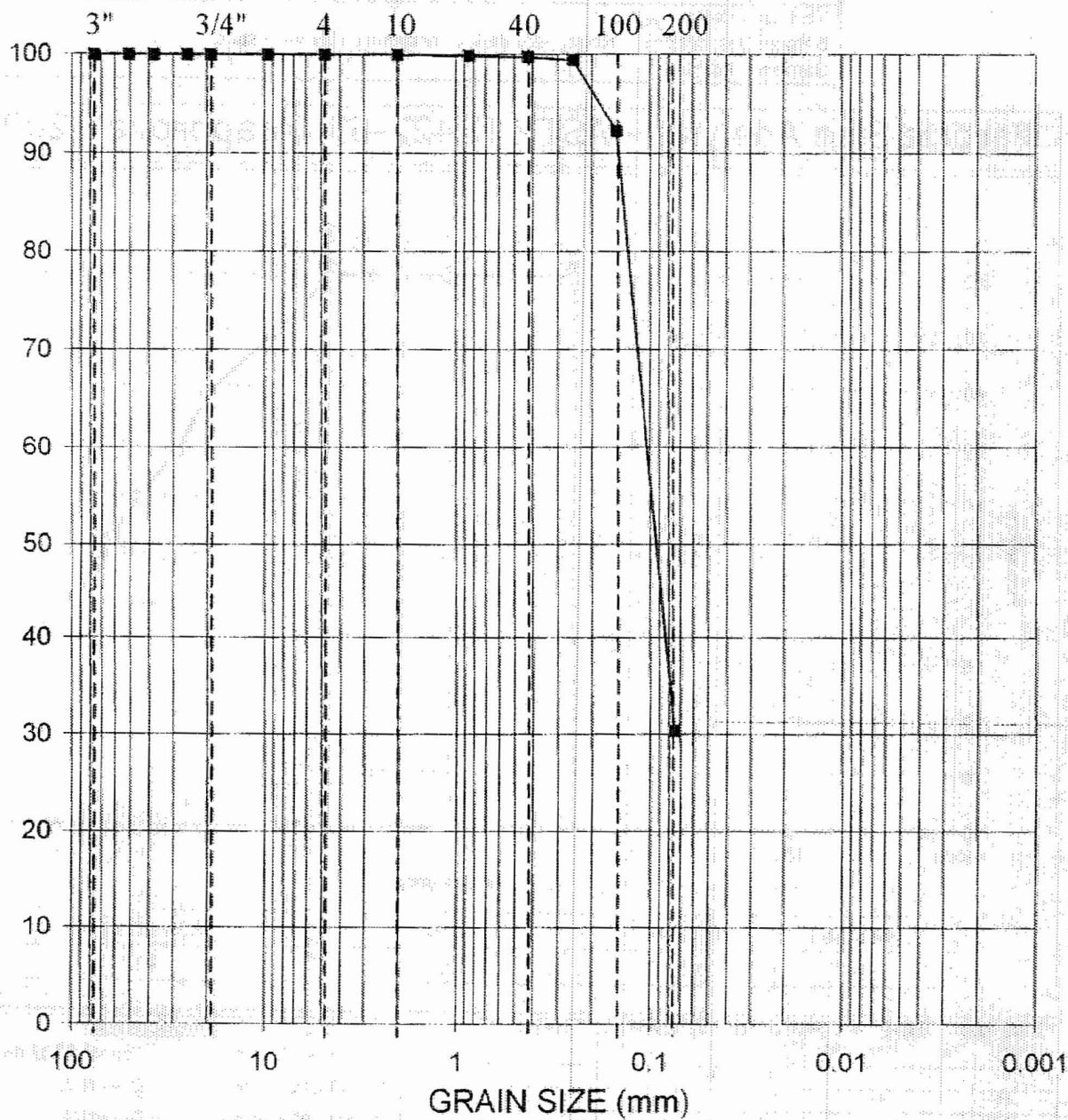
ASTM organic clay (OH)
AASHTO Clayey Soils (A-7-6 (48))

Sample/Test Description

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

PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



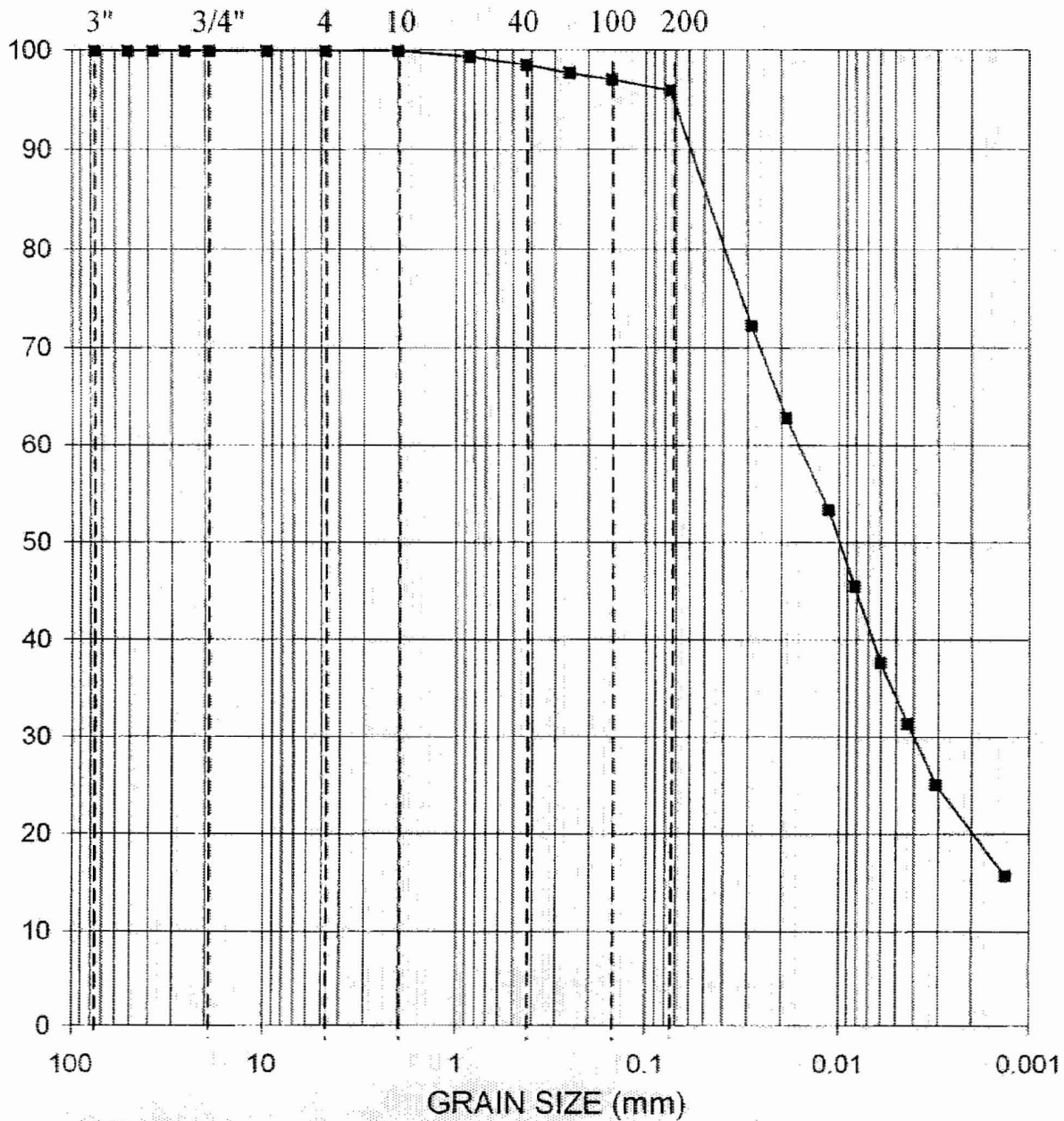
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/12/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-407	18.5	Silty SAND, trace sand, light brown	SM				

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT

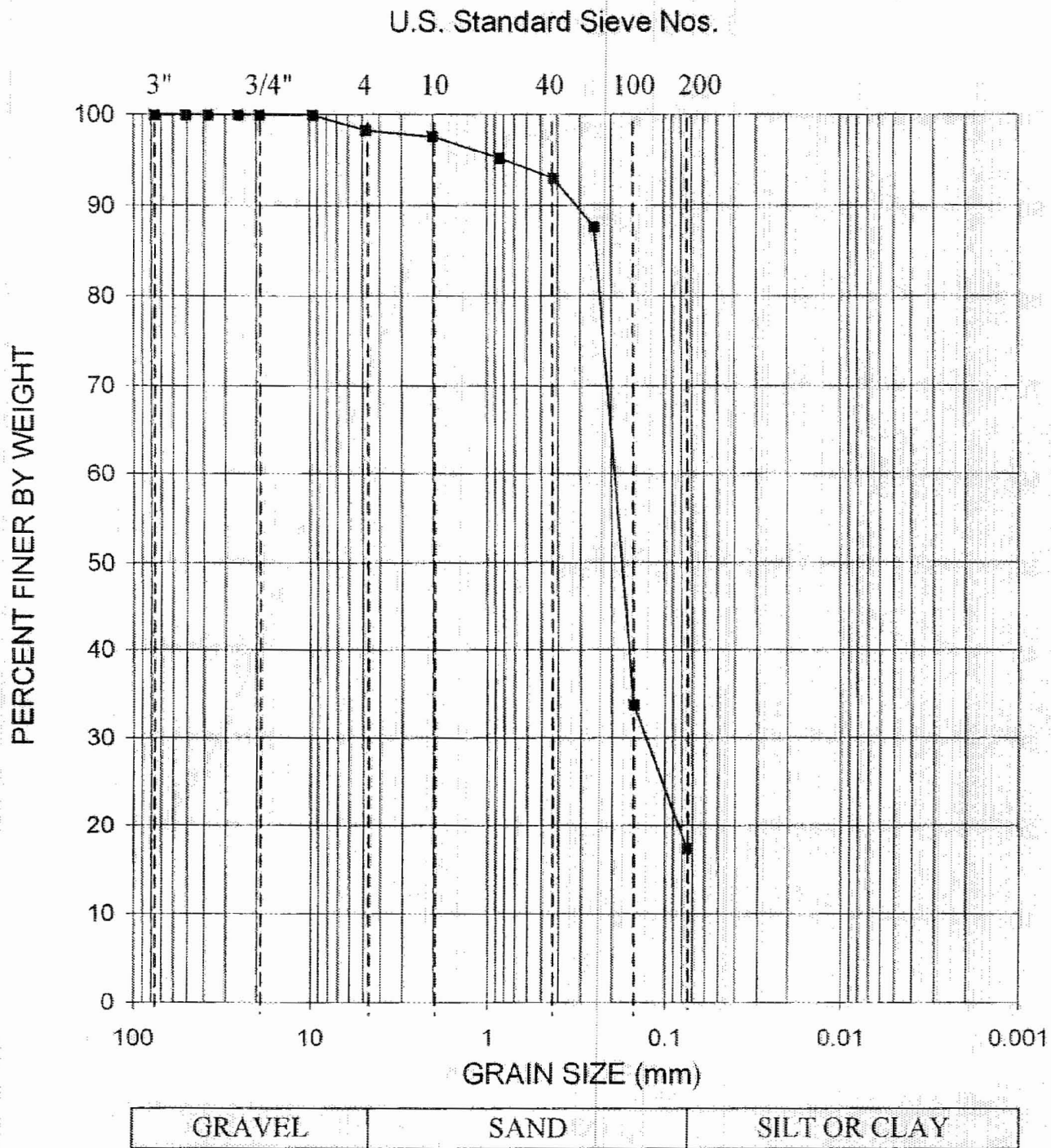


GRAVEL	SAND	SILT OR CLAY
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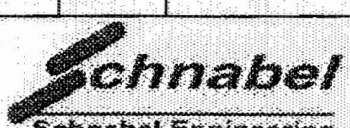
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/13/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-407	33.5	ELASTIC SILT, trace sand, dark gray	MH	77	34		

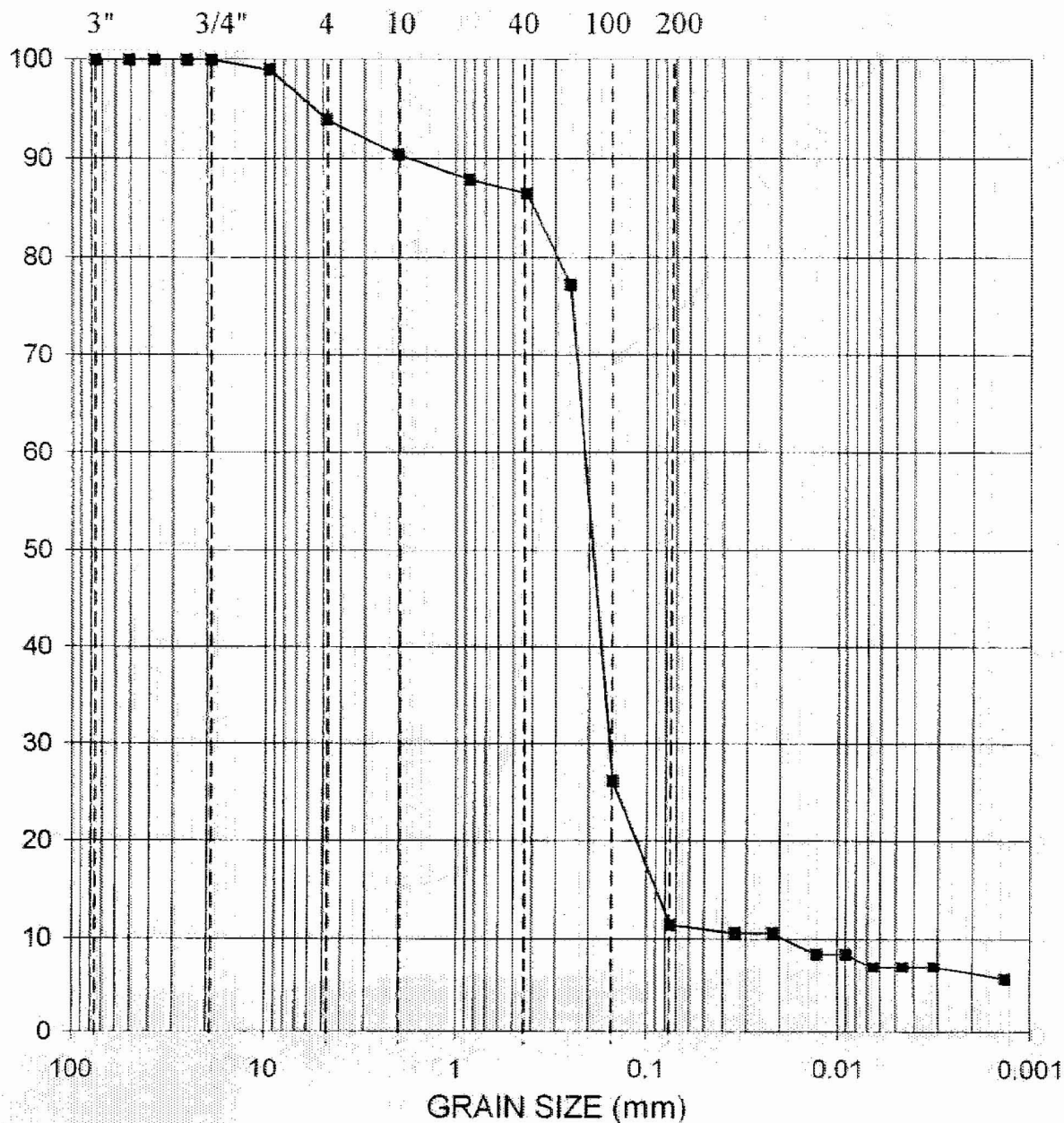


GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/12/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-407	43.5	Silty SAND, trace cemented sand, green-brown	SM				

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT



GRAVEL	SAND	SILT OR CLAY
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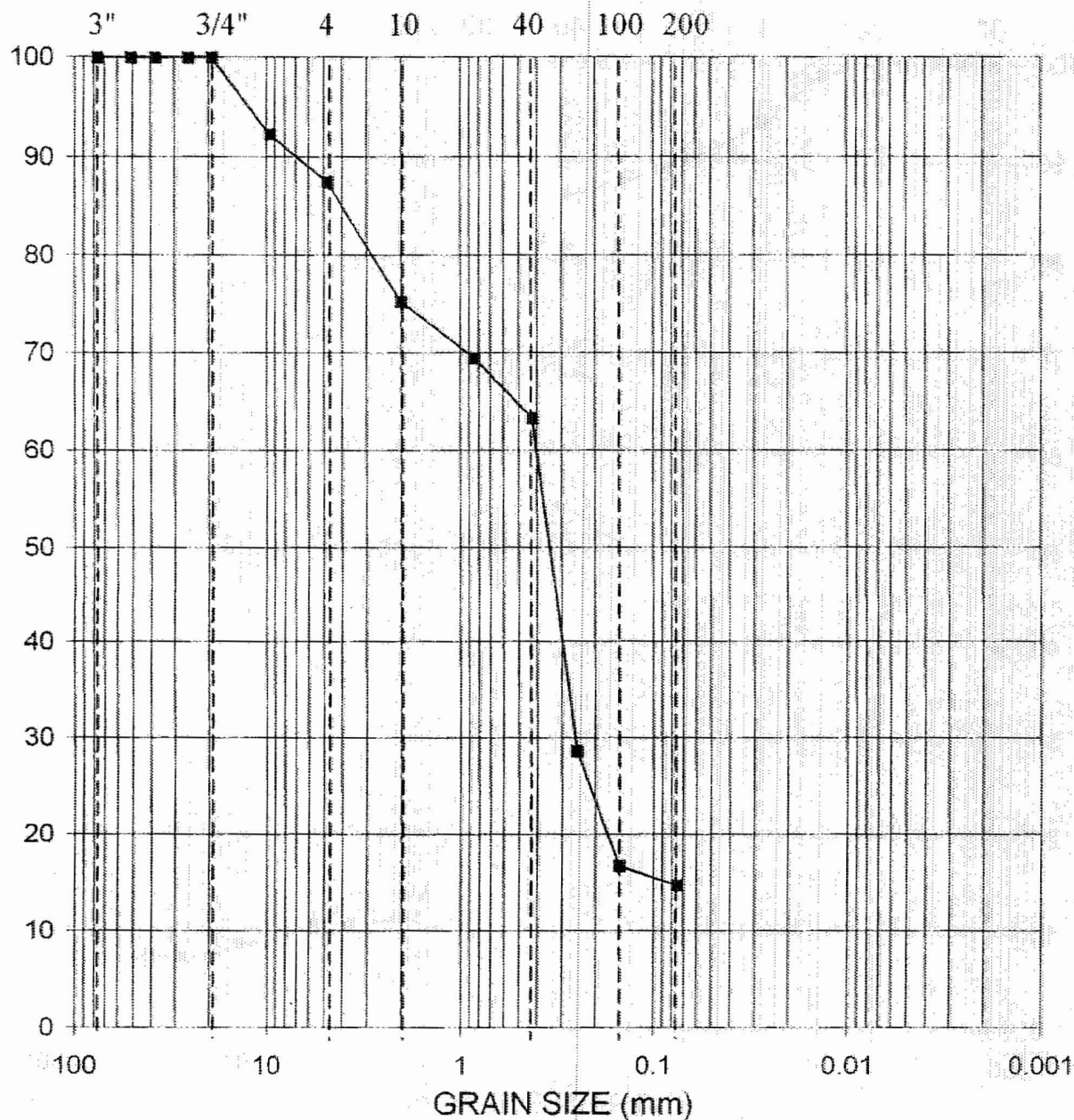
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/19/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-407	68.5	Silty SAND, trace shells, dark green	SM				

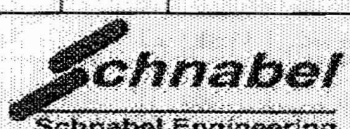
PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



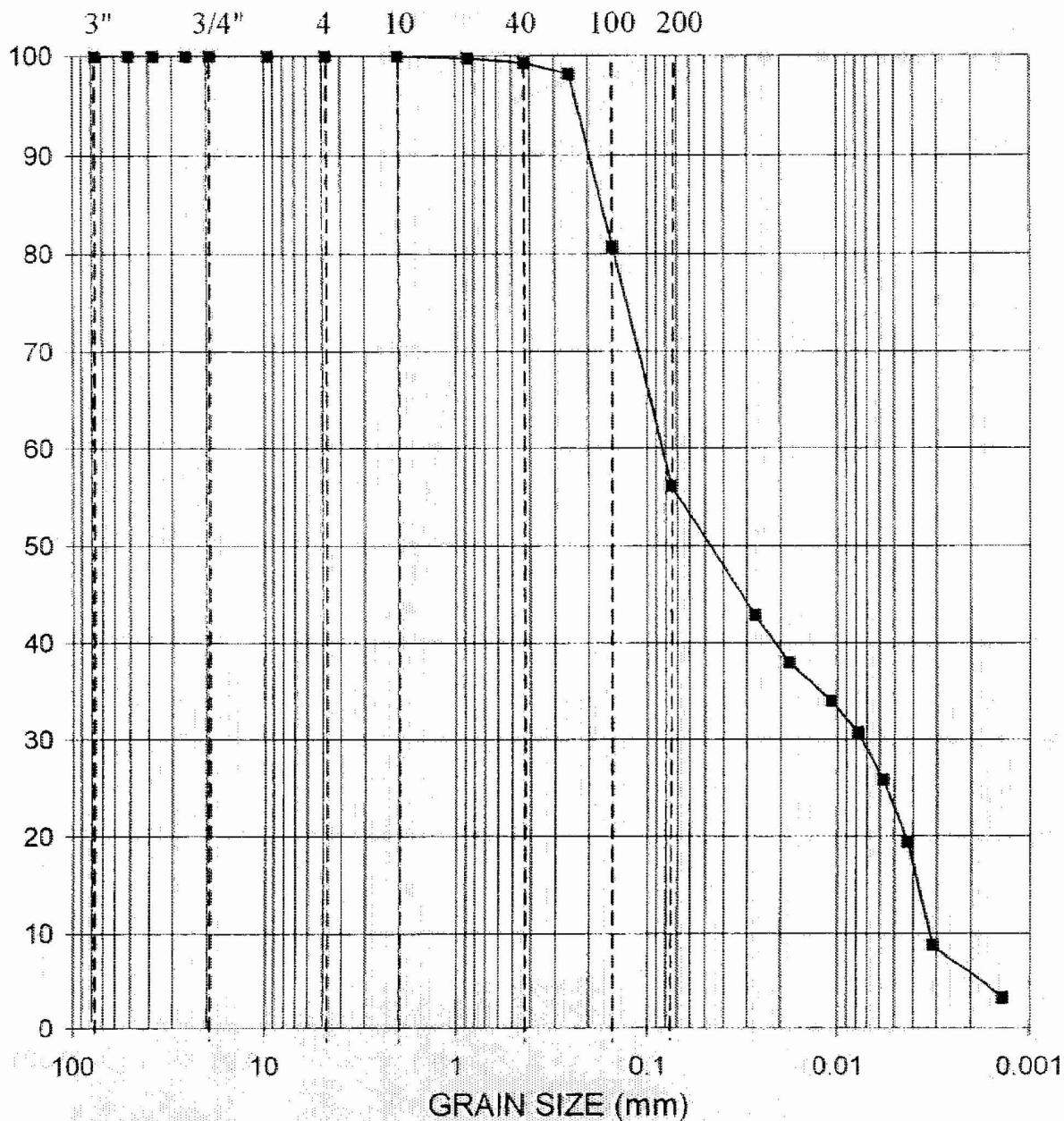
GRADATION CURVE

ASTM D422

Project	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date:	9/12/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-407	83.5	Silty SAND, trace shells, green	SM				

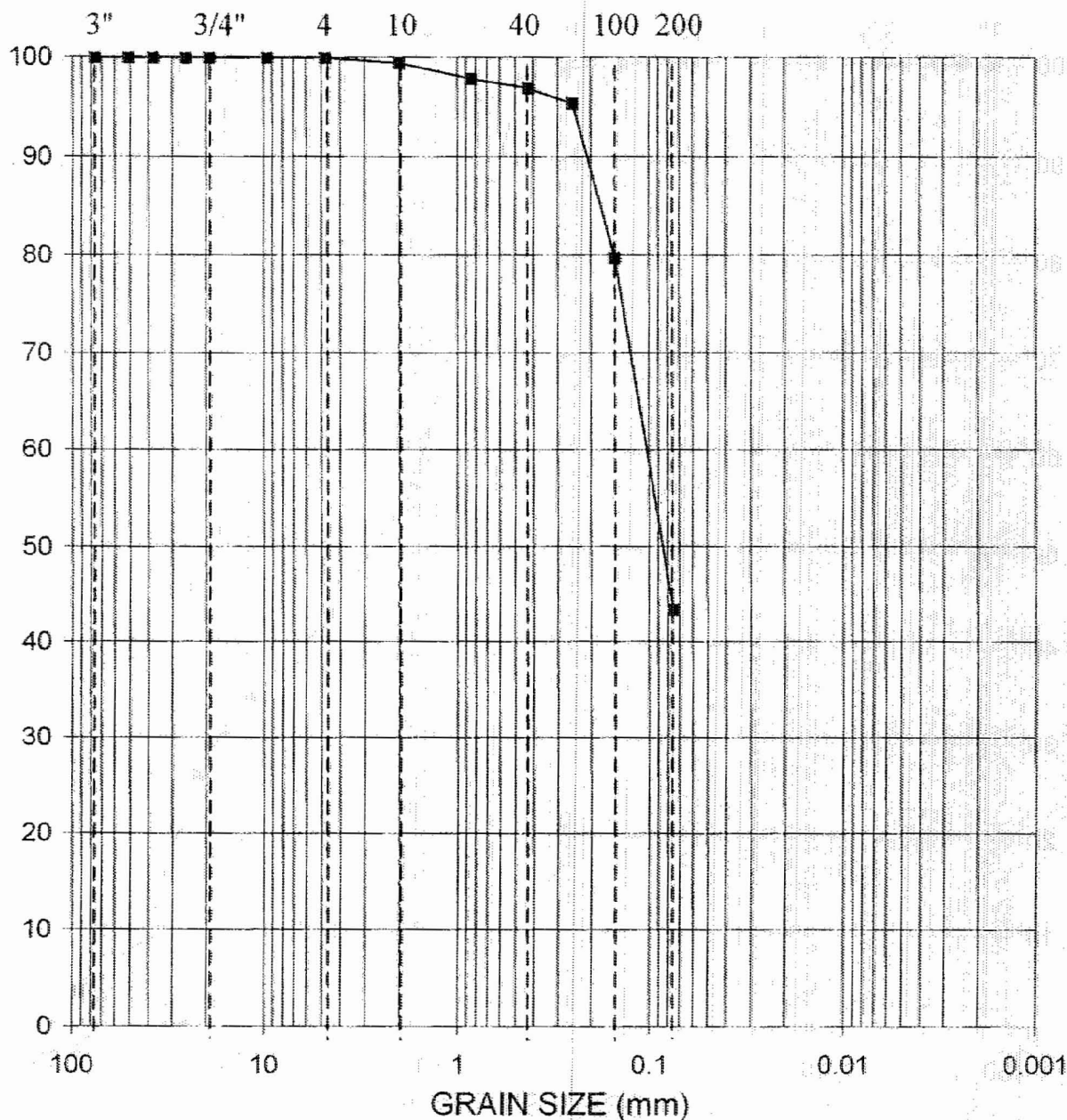
PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



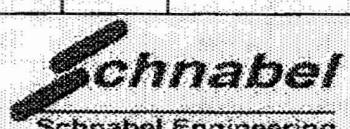
PERCENT FINER BY WEIGHT

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:	9/12/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-407	138.5	Silty SAND, contains shells, dark gray	SM				