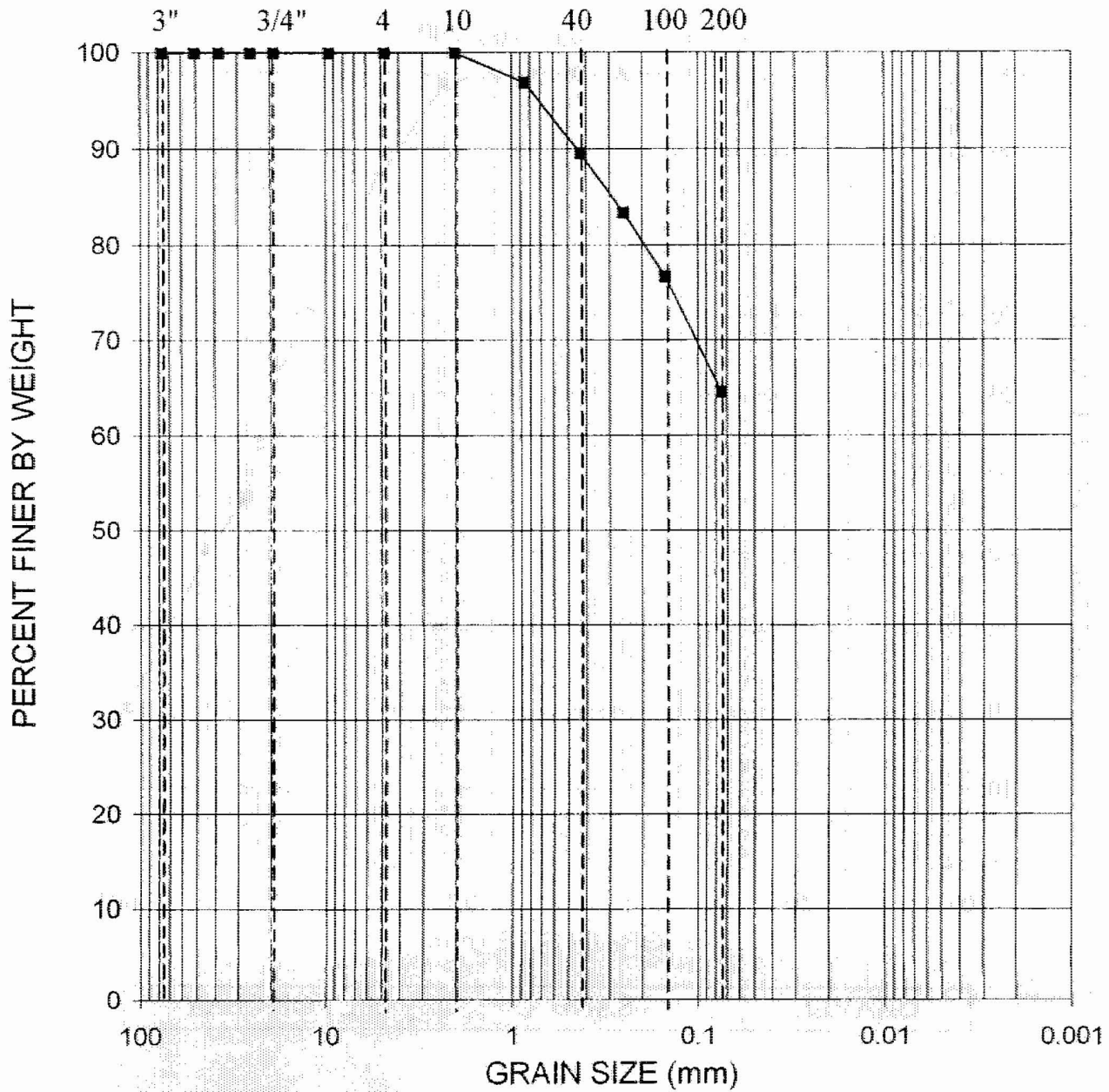


U.S. Standard Sieve Nos.



GRAVEL

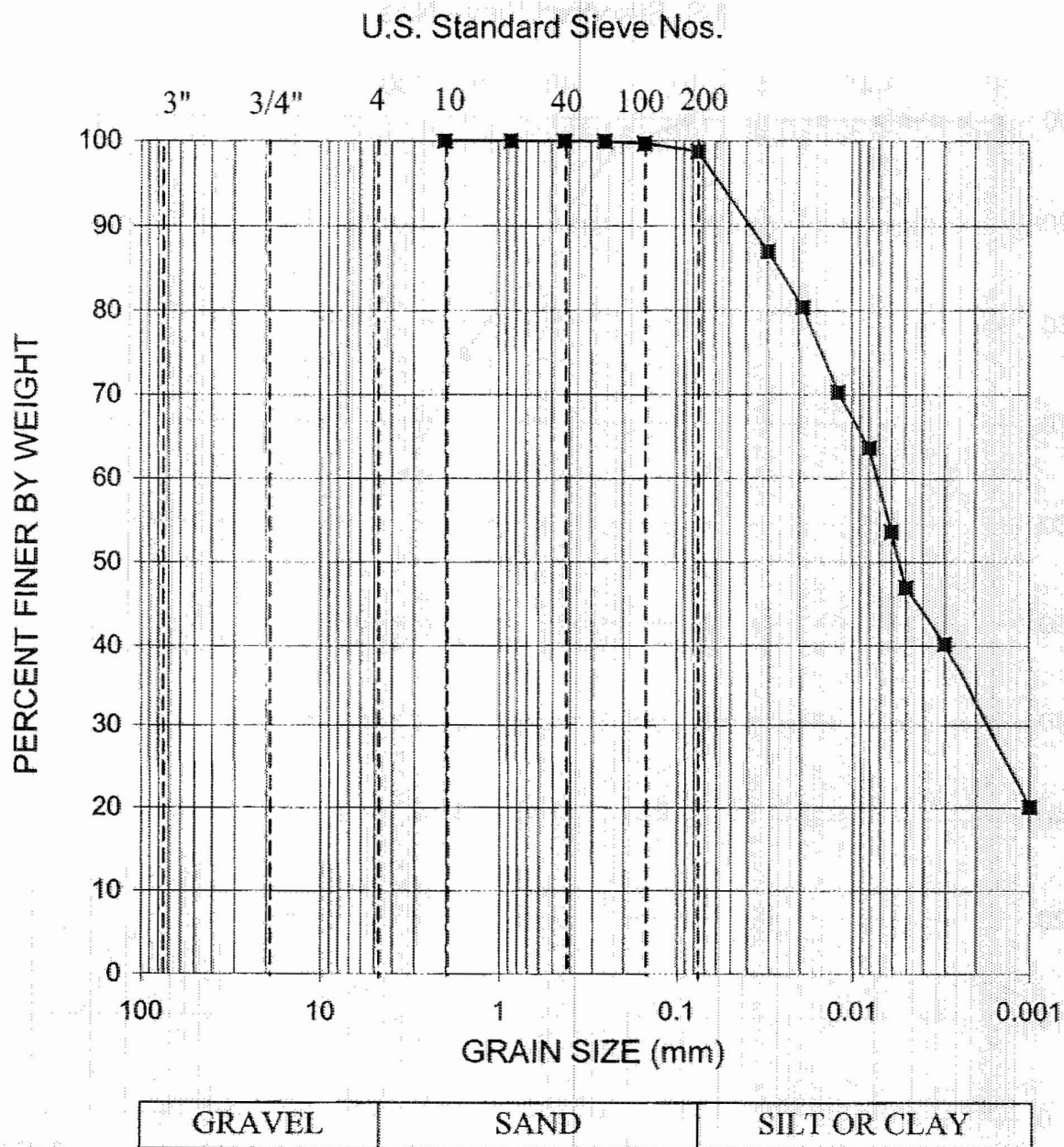
SAND

SILT OR CLAY

GRADATION CURVE

ASTM D422

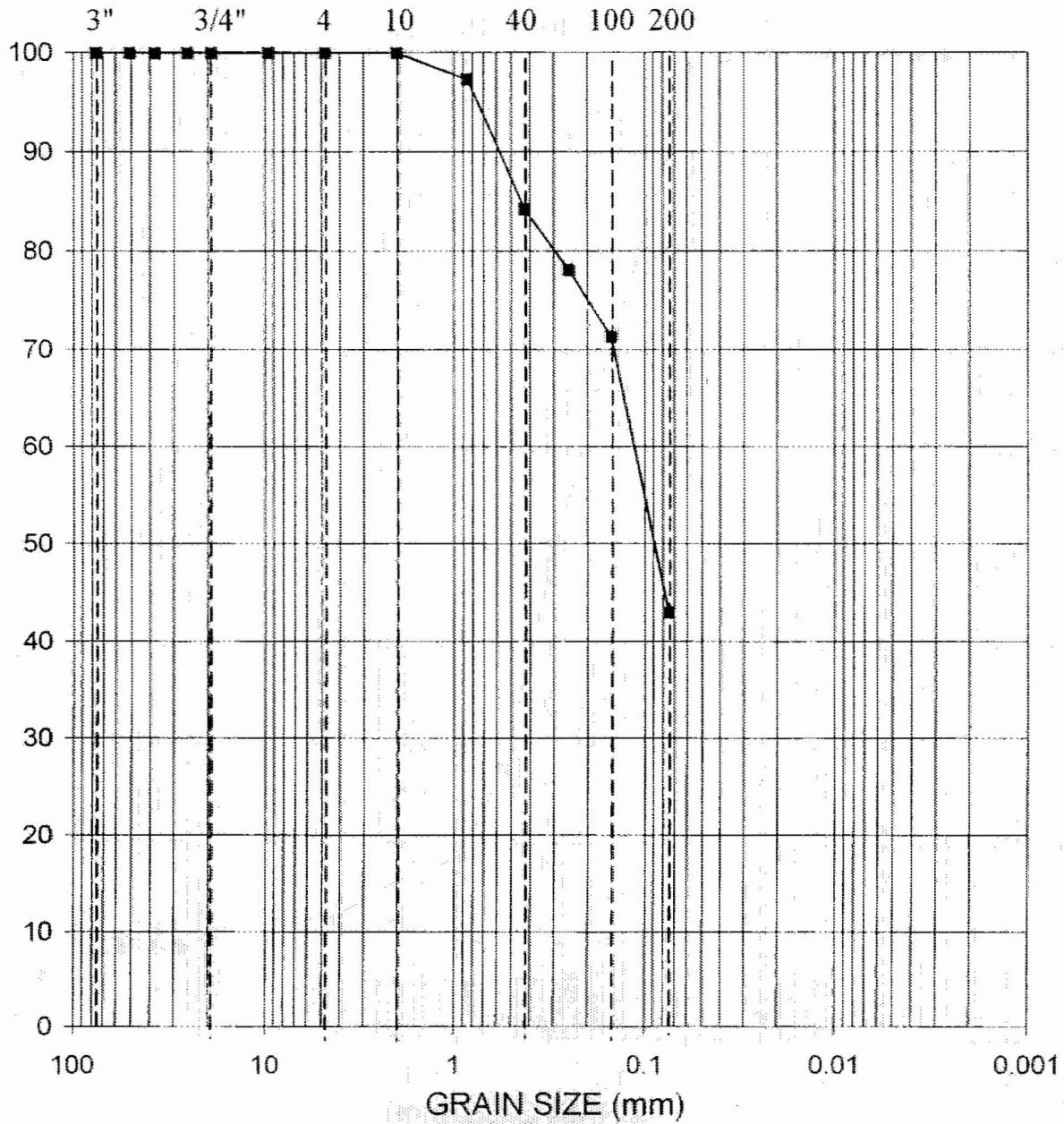
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No:	06120048.00	Date:	9/11/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-401	218.5	Sandy ELASTIC SILT, dark green	MH				



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

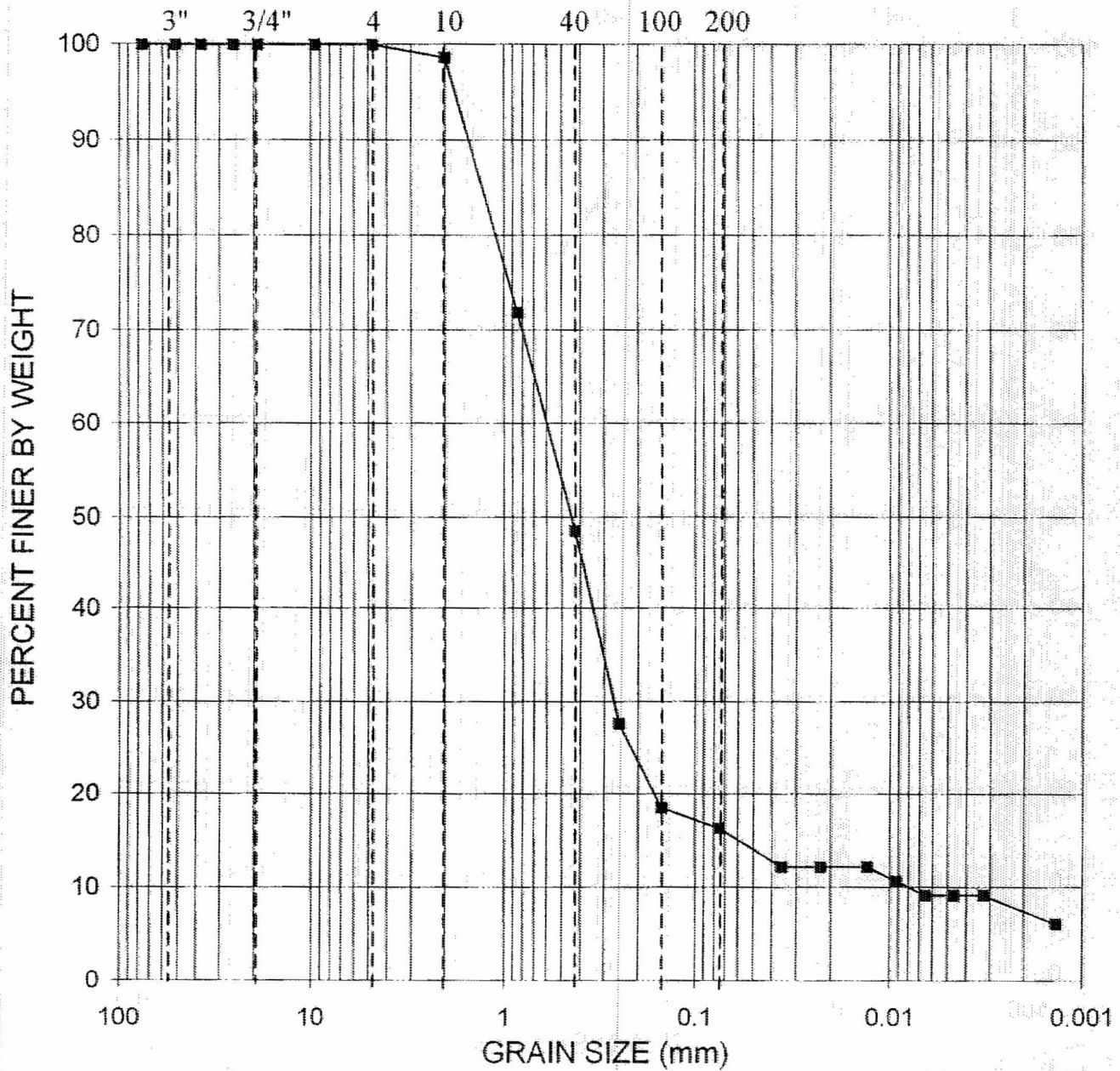


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE ASTM D422

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.



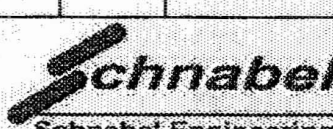
GRAVEL

SAND

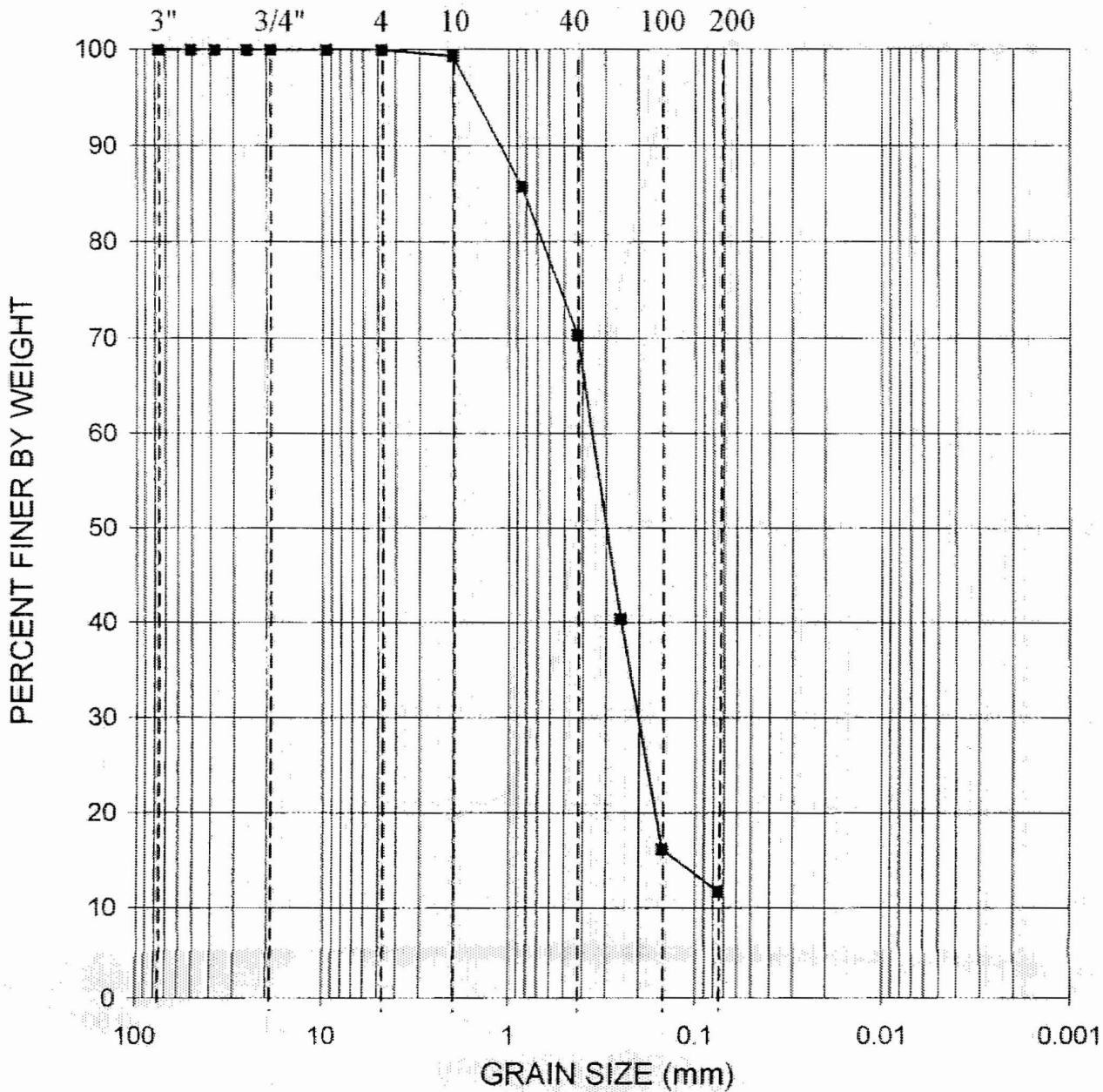
SILT OR CLAY

GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/12/2006
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.



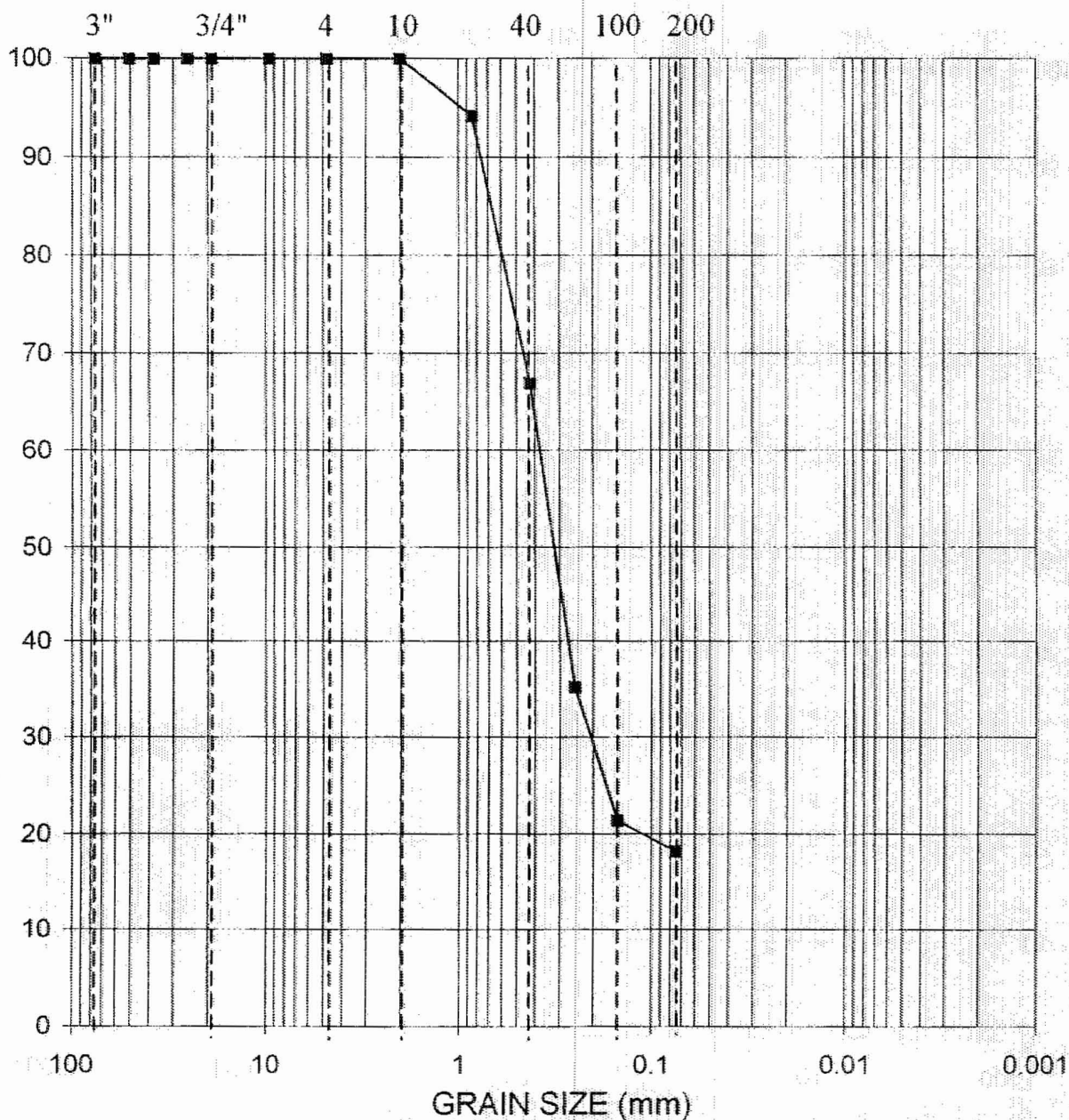
GRADATION CURVE

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

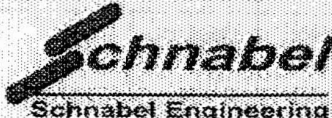
U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
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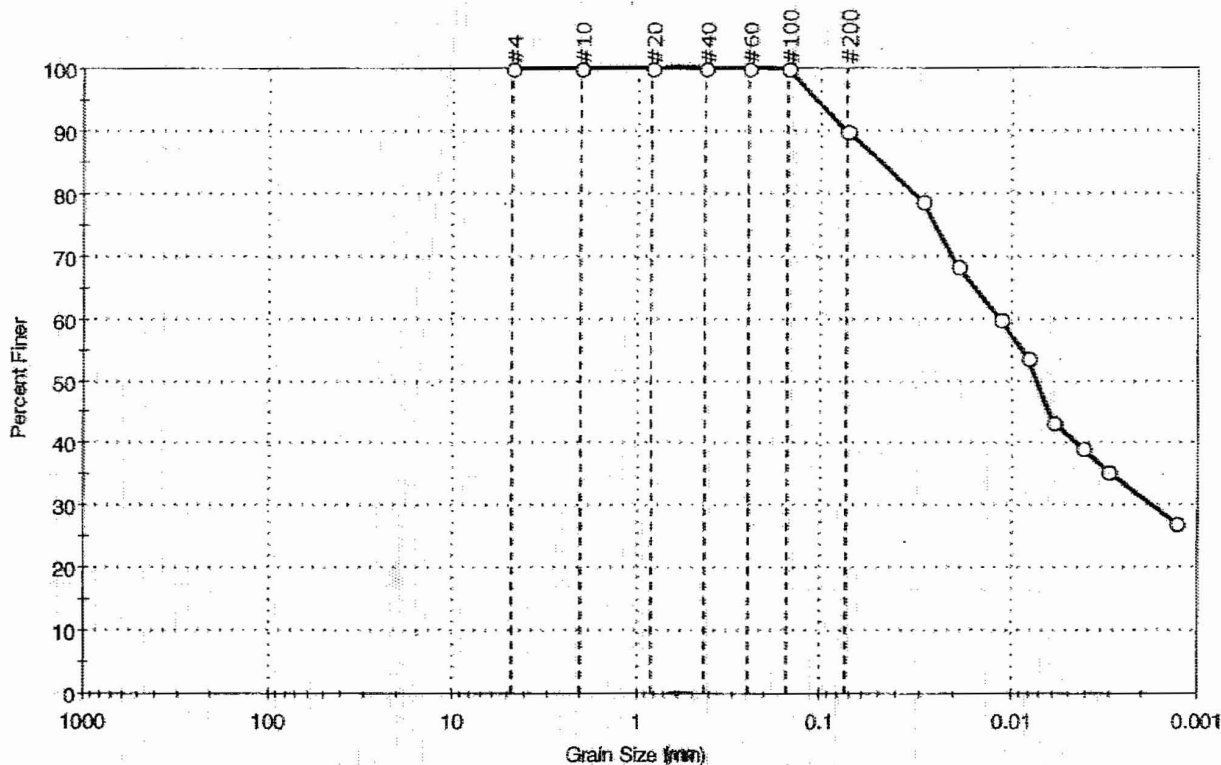
GRADATION CURVE

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
---	0.0756	79		
---	0.0191	68		
---	0.0113	60		
---	0.0062	54		
---	0.0066	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

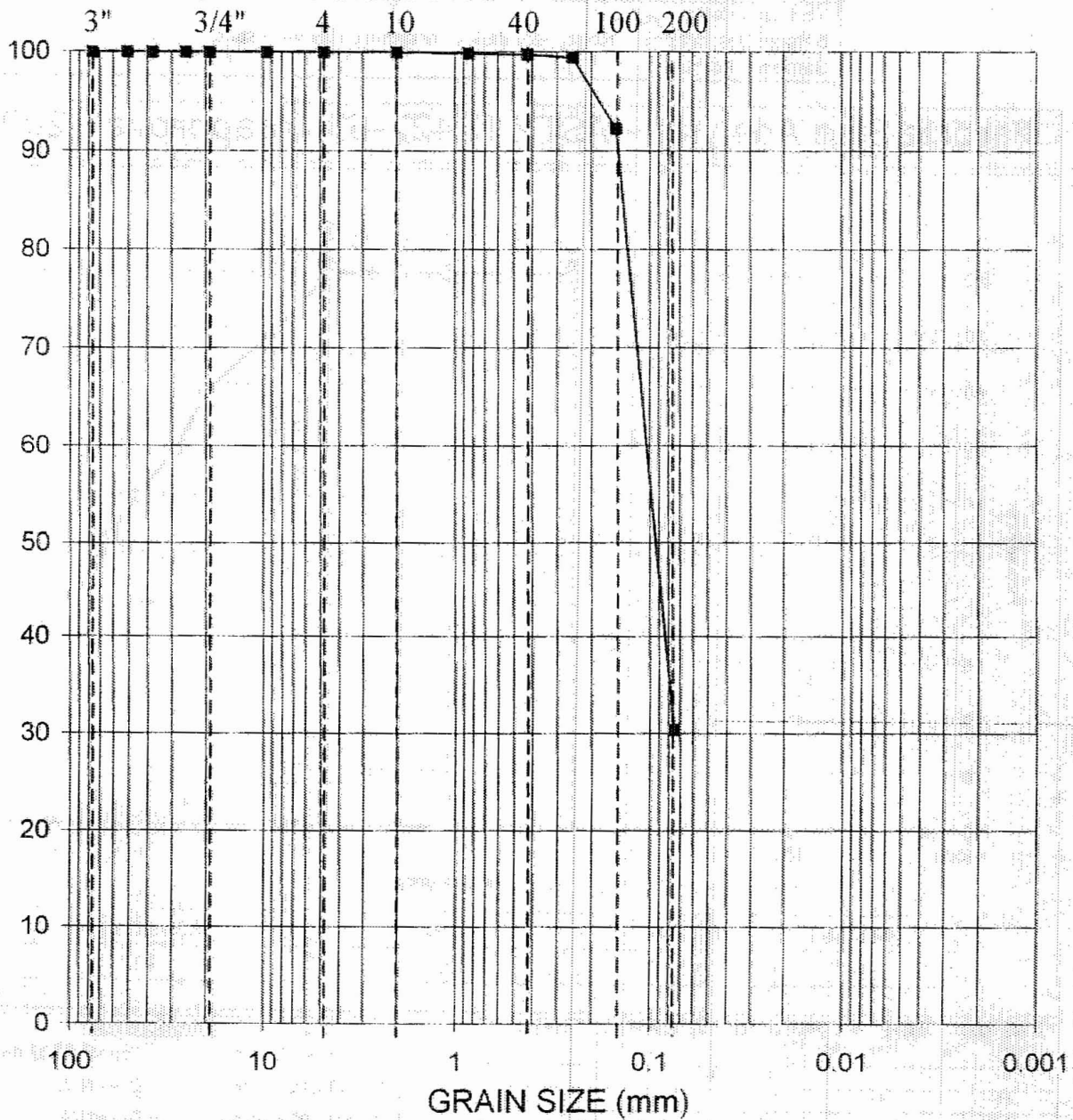
ASTM organic clay (OH)
AASHTO Clayey Soils (A-7-6 (48))

Sample/Test Description

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

PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



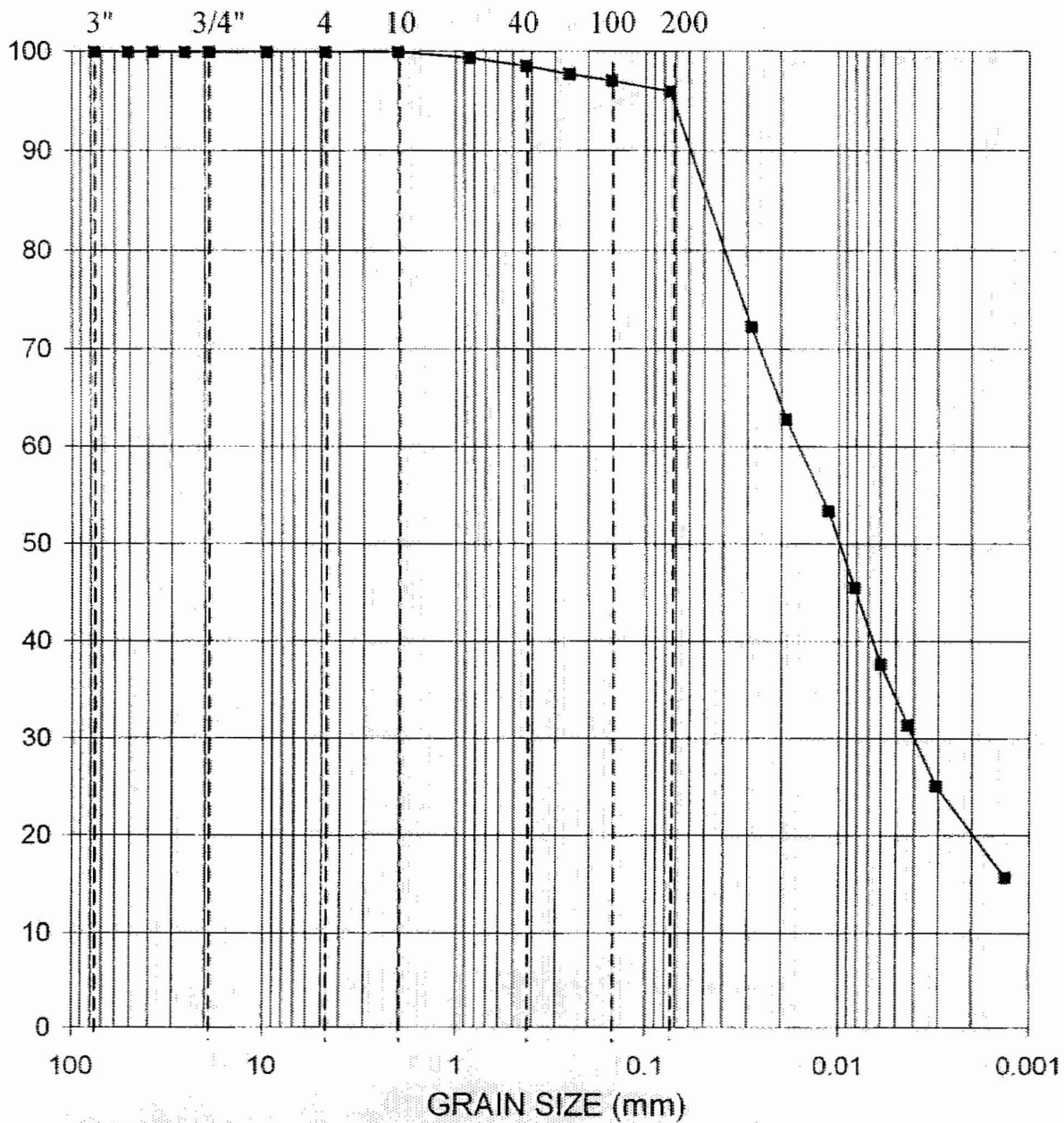
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE
ASTM D422

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

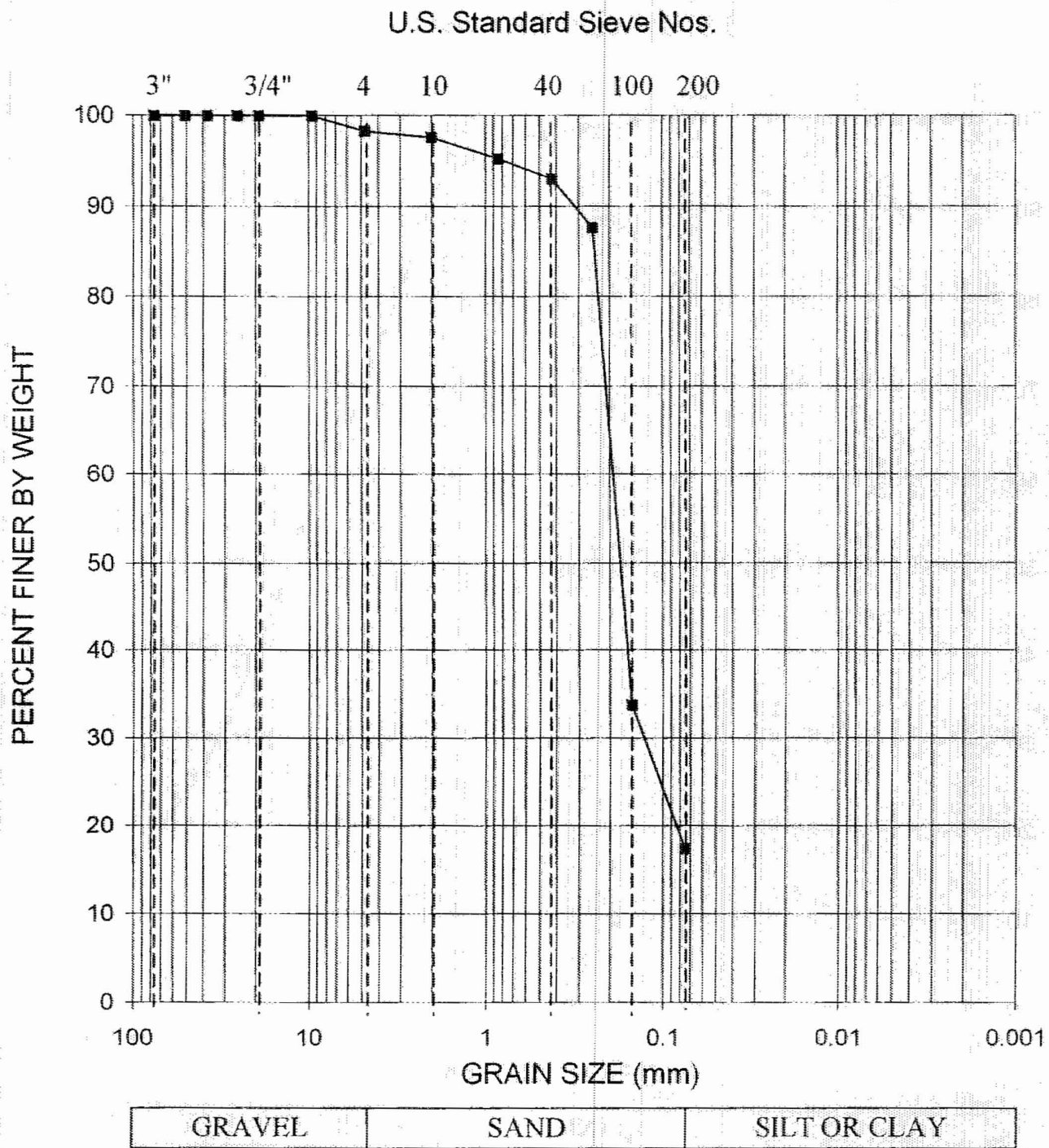


GRAVEL	SAND	SILT OR CLAY
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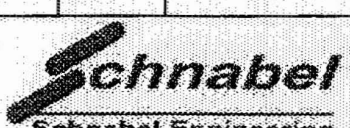
GRADATION CURVE

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		

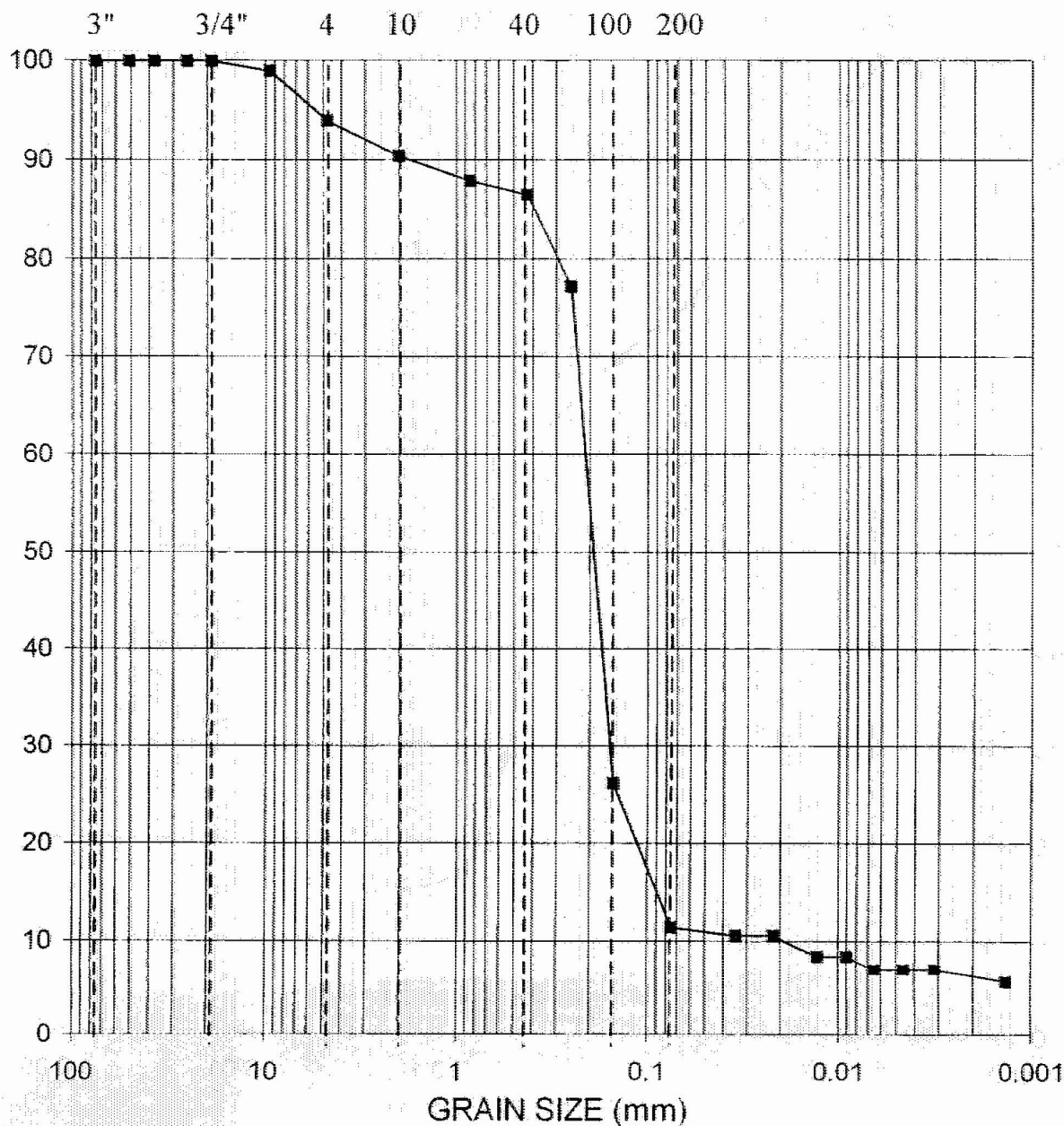


GRADATION CURVE
ASTM D422

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



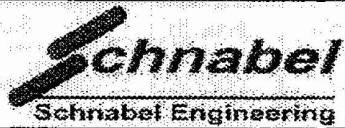
GRAVEL

SAND

SILT OR CLAY

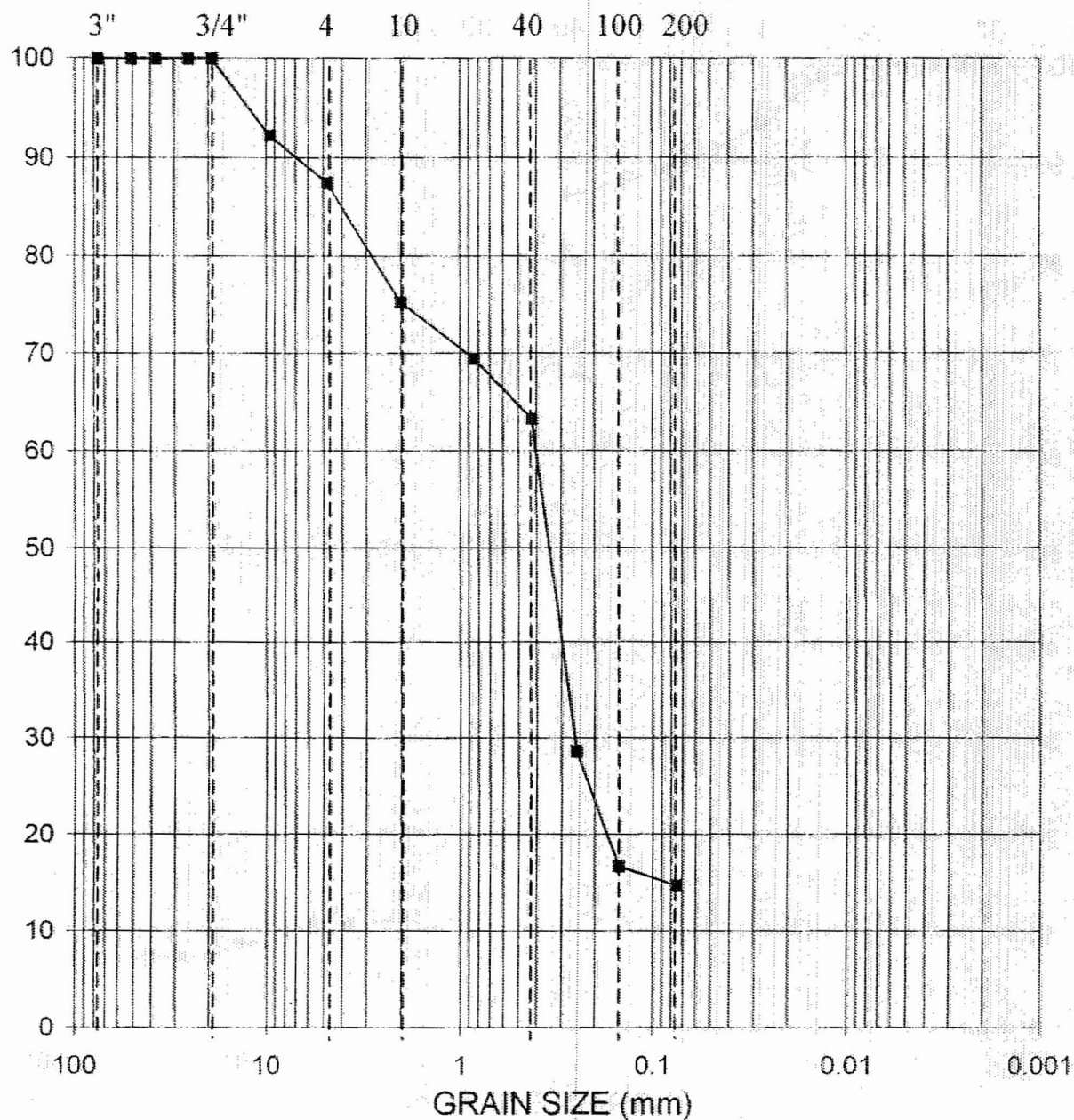
GRADATION CURVE

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.



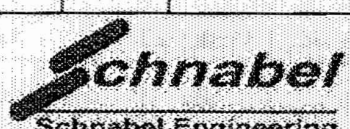
GRAVEL

SAND

SILT OR CLAY

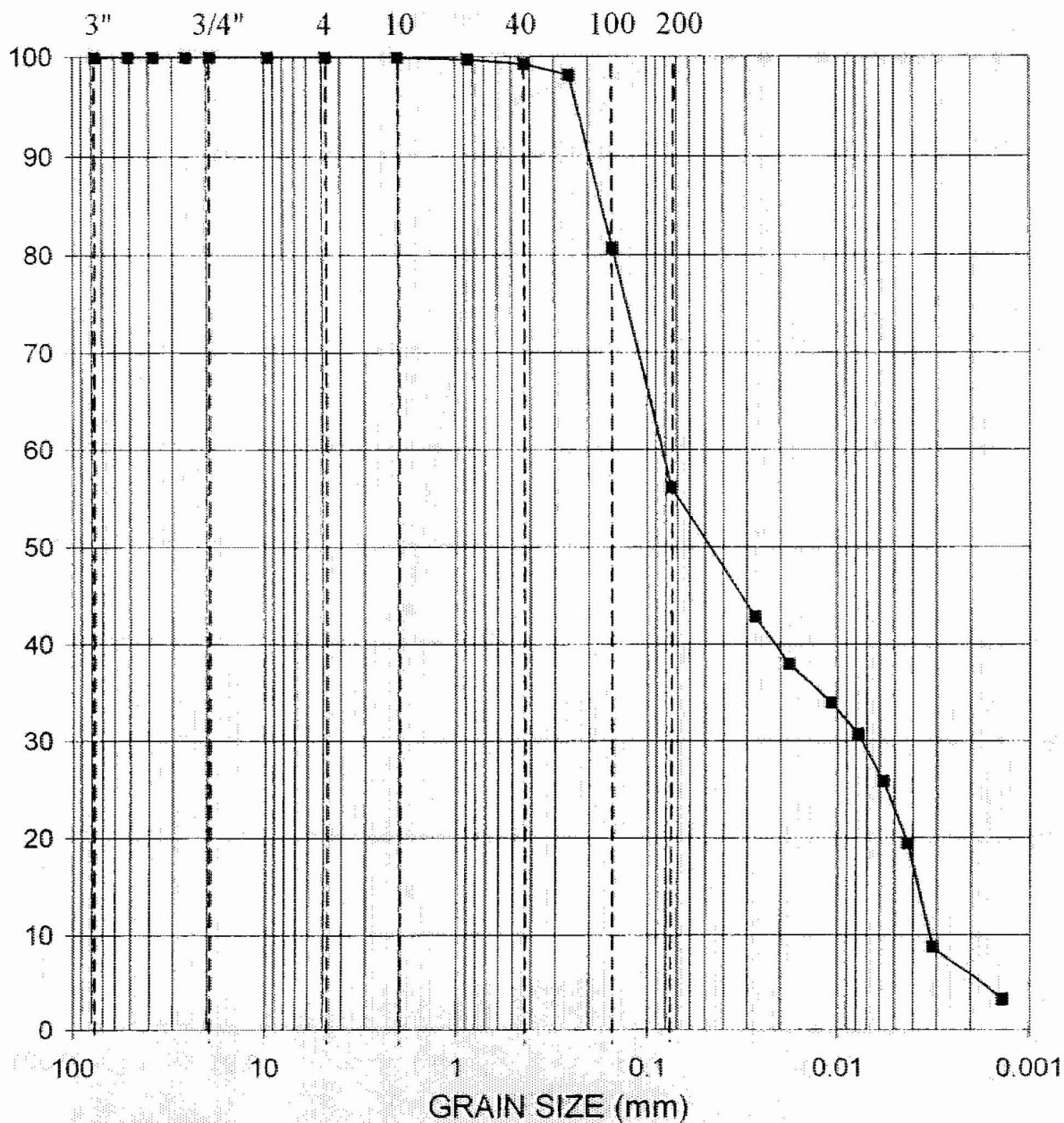
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date:	9/12/2006
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.



GRAVEL	SAND	SILT OR CLAY
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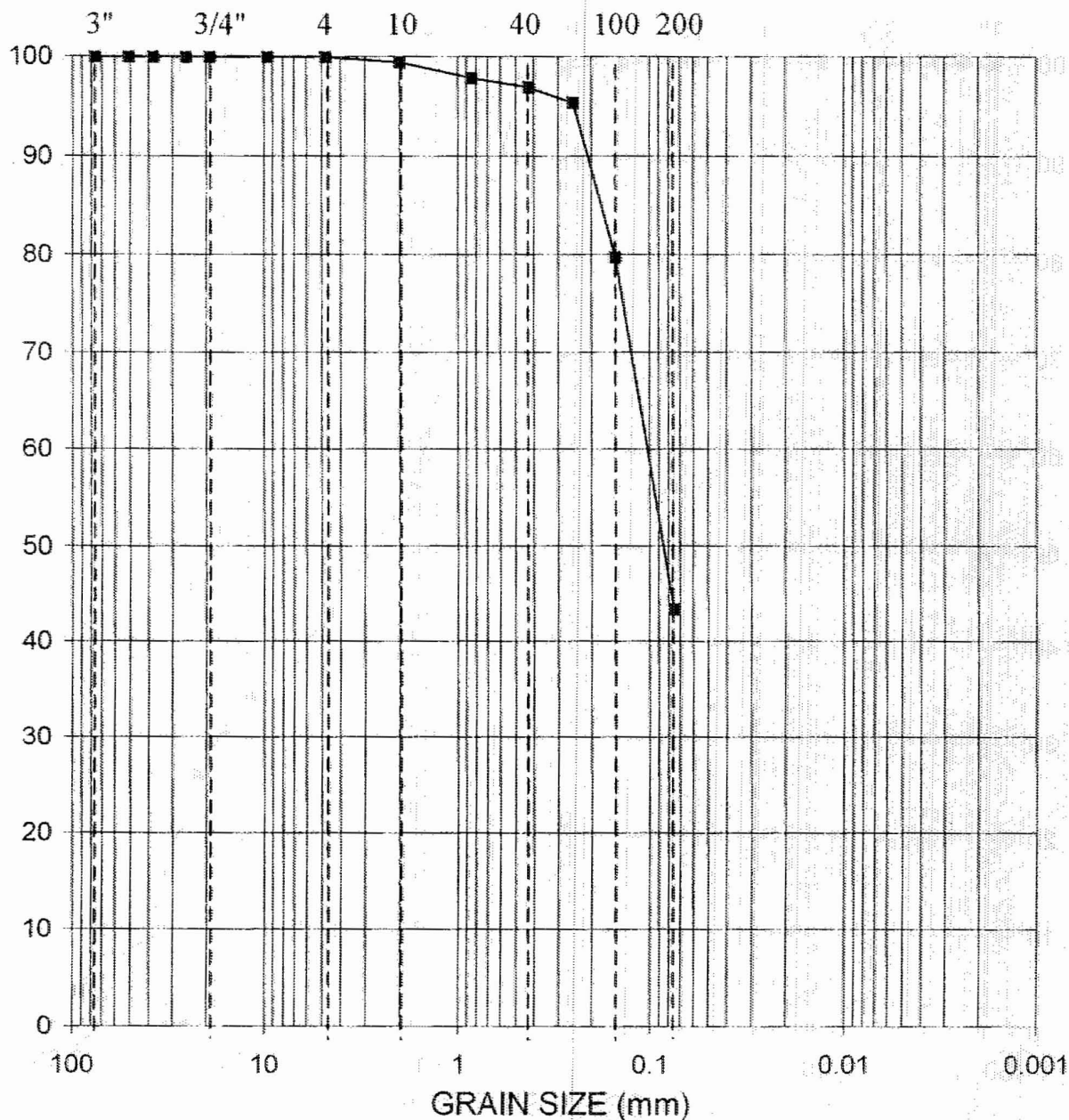
GRADATION CURVE

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	108.5	Sandy SILT, gray	ML				

PERCENT FINER BY WEIGHT

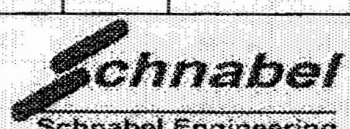
U.S. Standard Sieve Nos.



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					