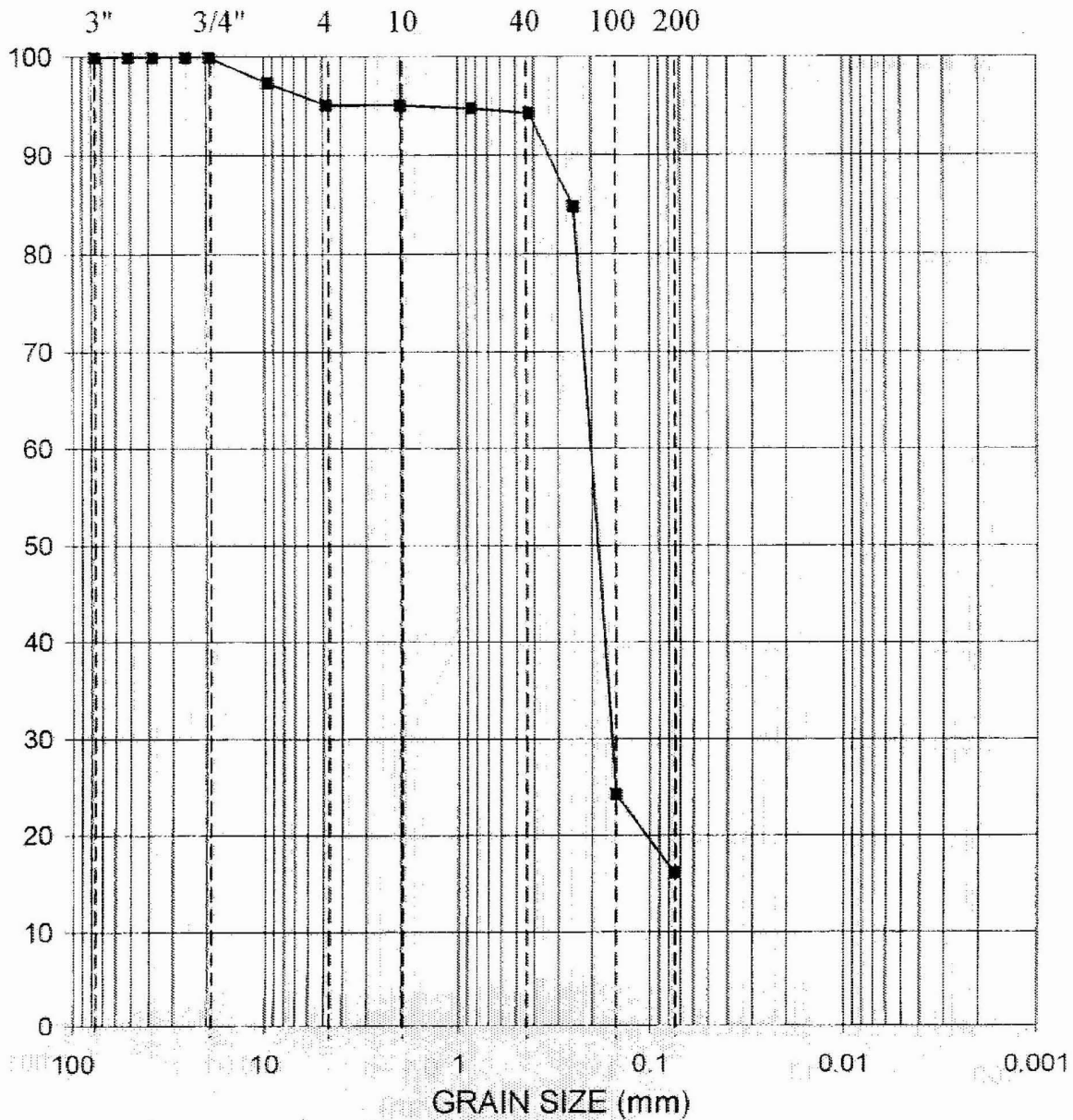


PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



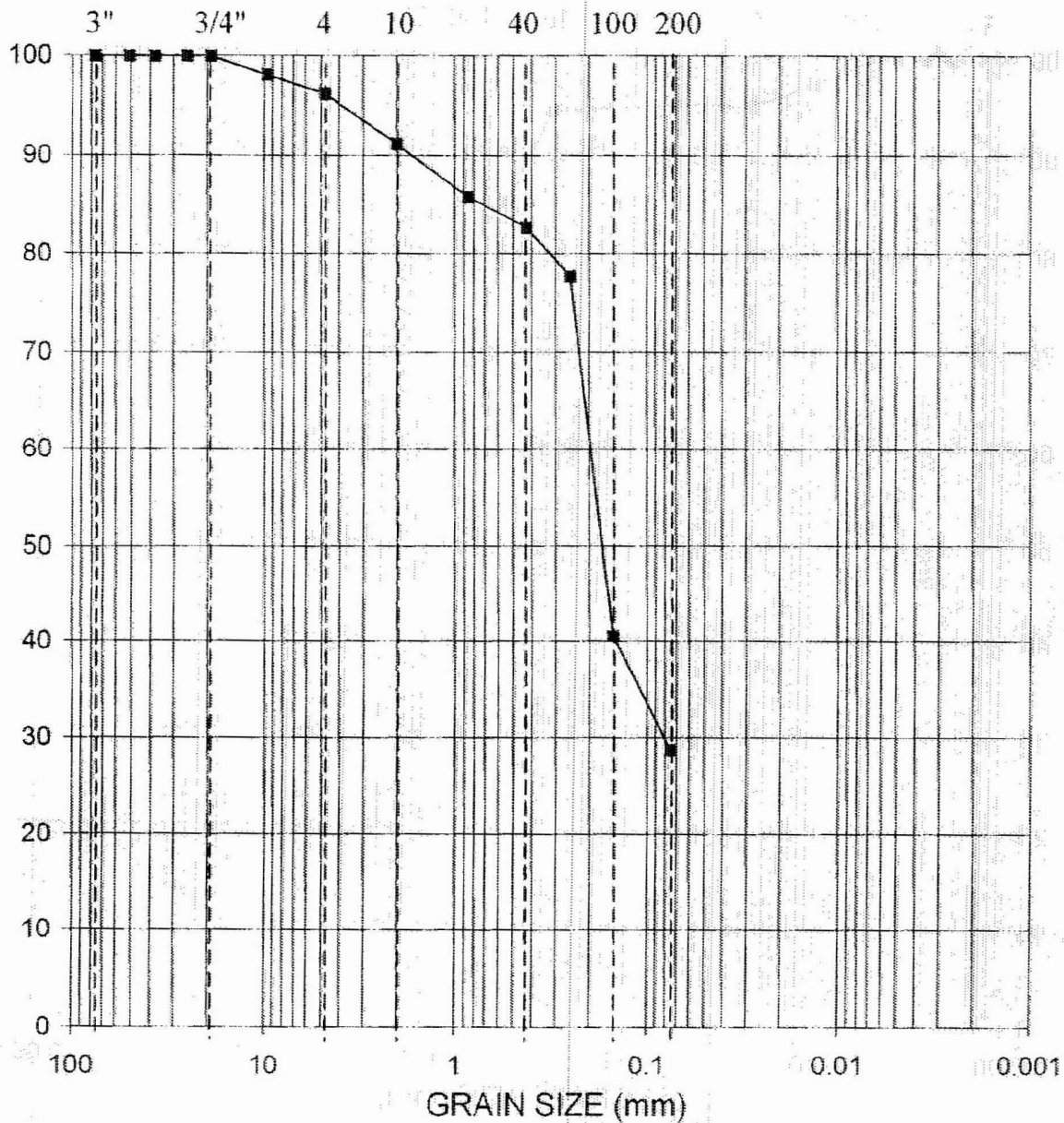
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE
ASTM D422

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-413	118.5	Silty SAND, trace shells, green	SM				

PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
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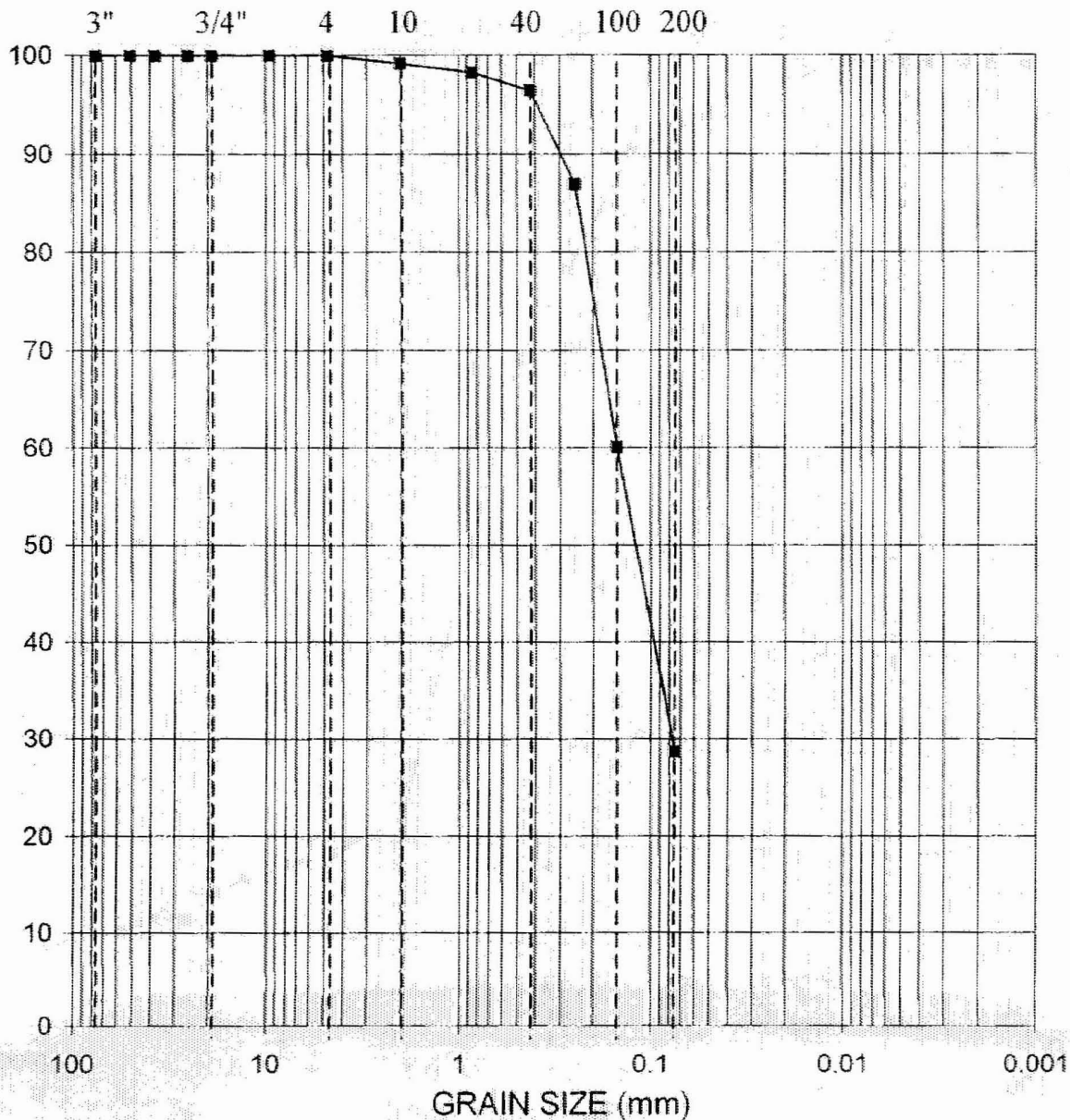
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/13/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-413	133.5	Silty SAND, trace shells, green	SM				

PERCENT FINER BY WEIGHT

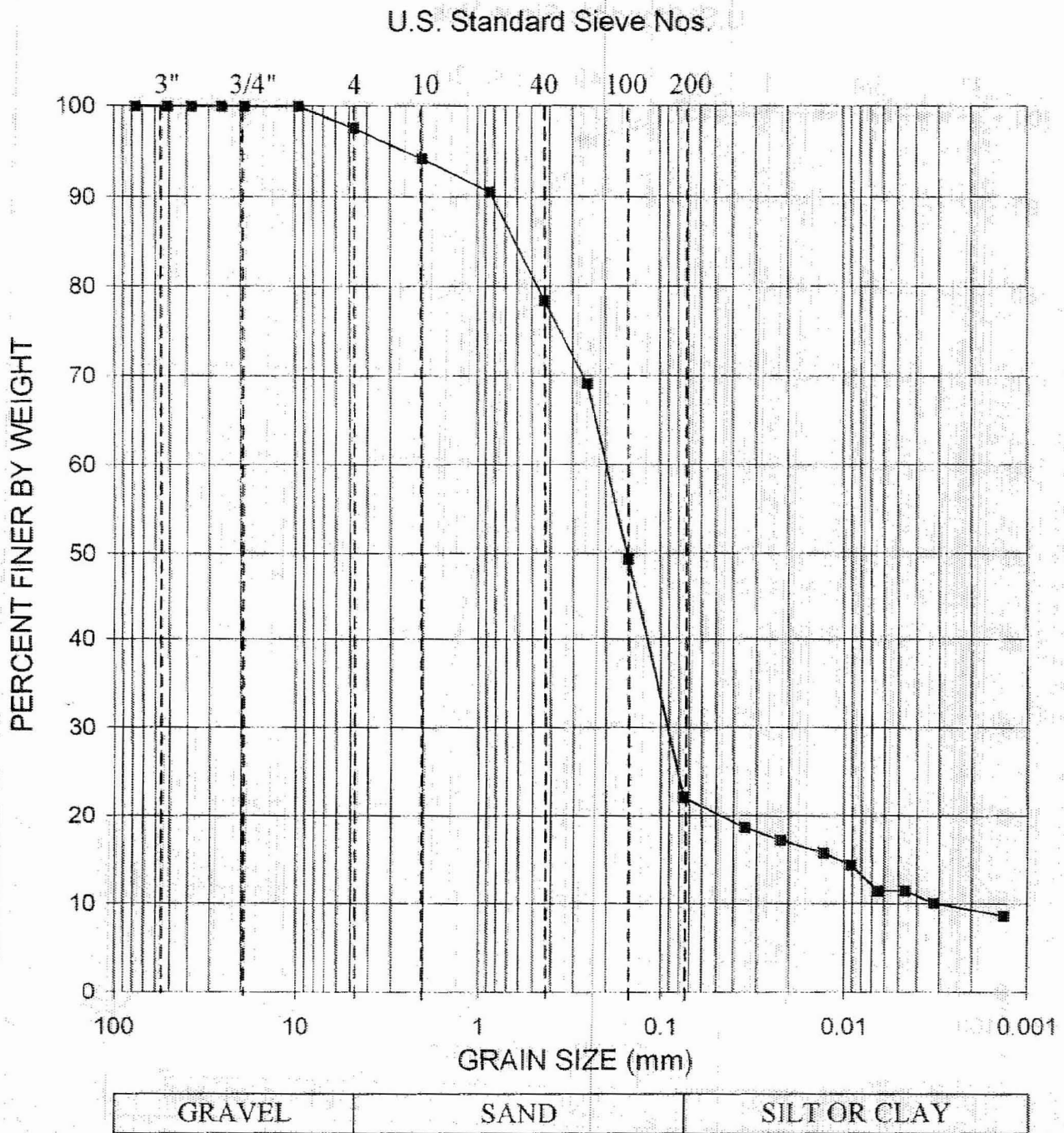
U.S. Standard Sieve Nos.



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:	9/13/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-413	148.5	Silty SAND, contains shells, green	SM				

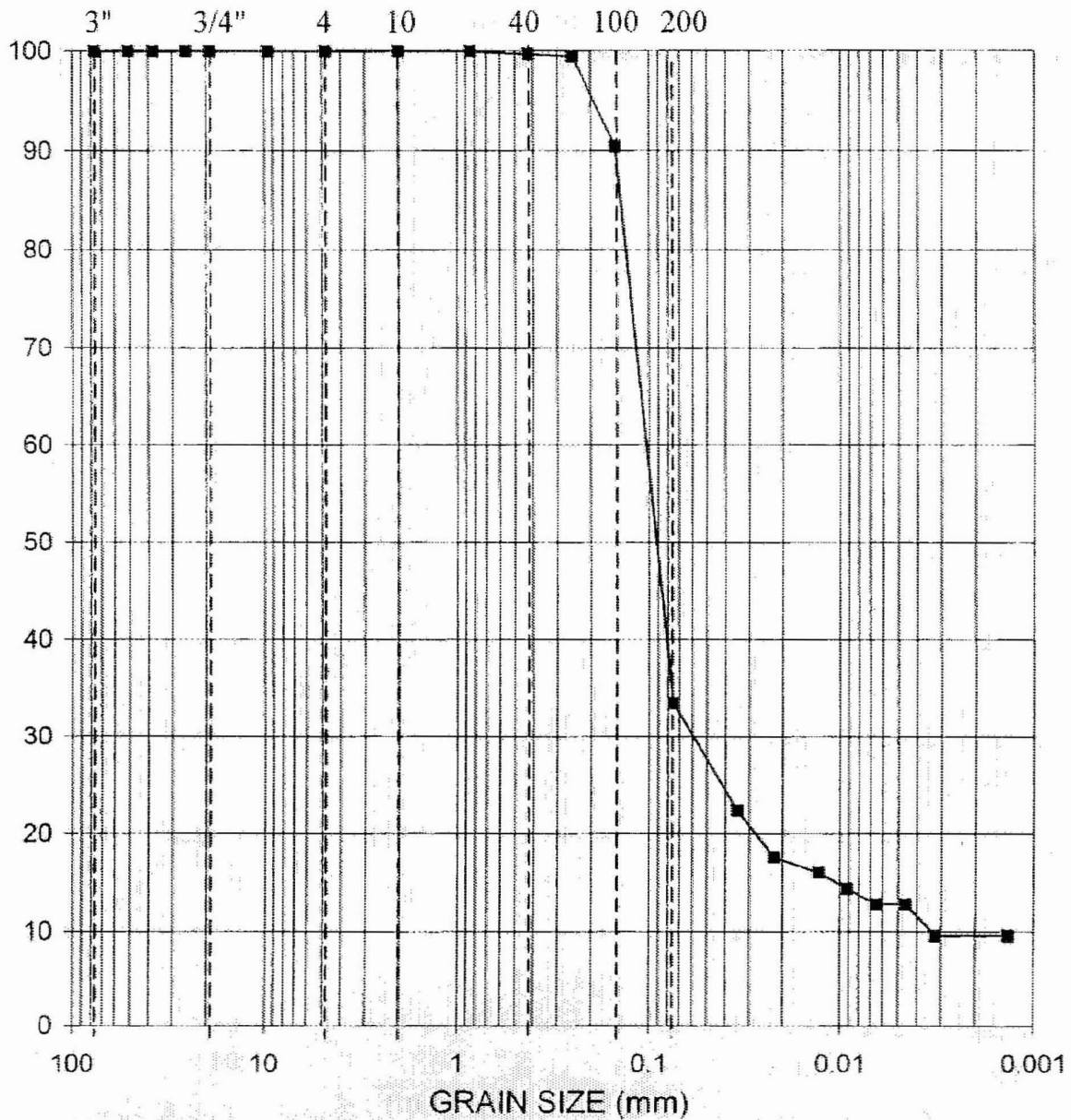


GRADATION CURVE
ASTM D422

Project	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date	9/19/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-414	43.5	Silty SAND, brown	SM	NF	NP		

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT



GRAVEL

SAND

SILT OR CLAY

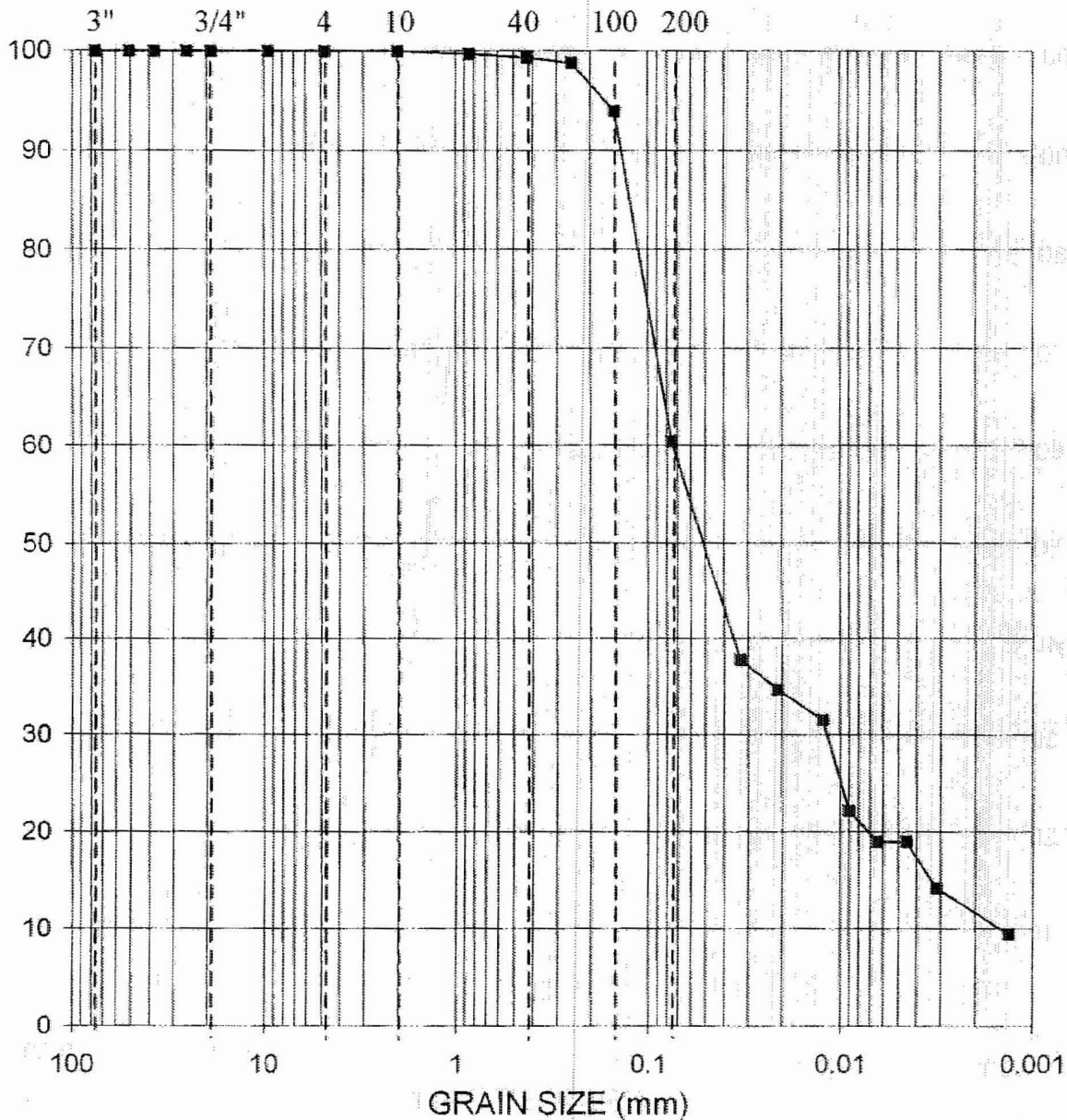
GRADATION CURVE

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-414	48.5	Silty SAND, light brown	SM	NP	NP		

PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.

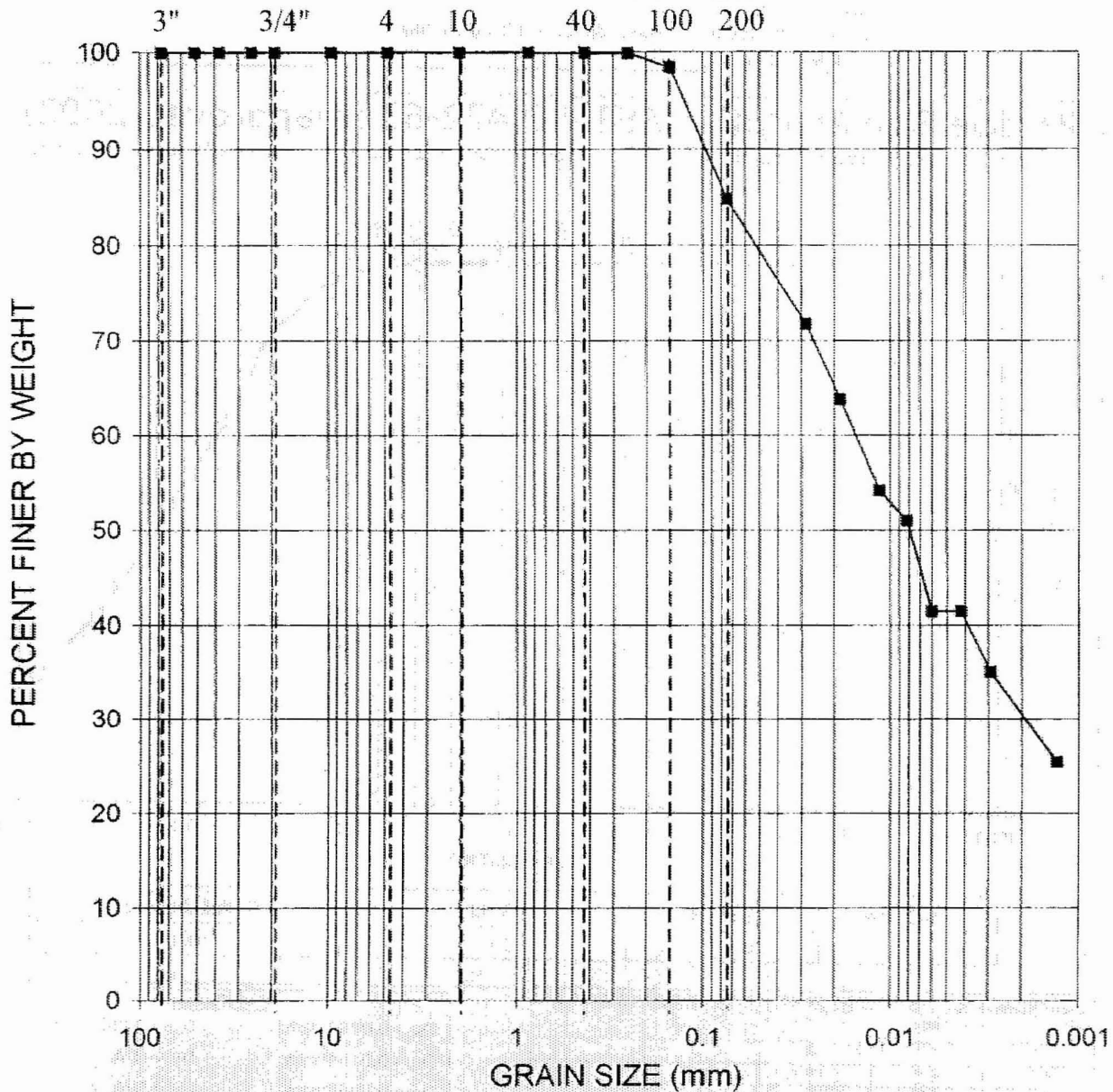


GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/14/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-414	53.5	Sandy LEAN CLAY, dark gray	CL	42	19		

U.S. Standard Sieve Nos.



GRAVEL

SAND

SILT OR CLAY

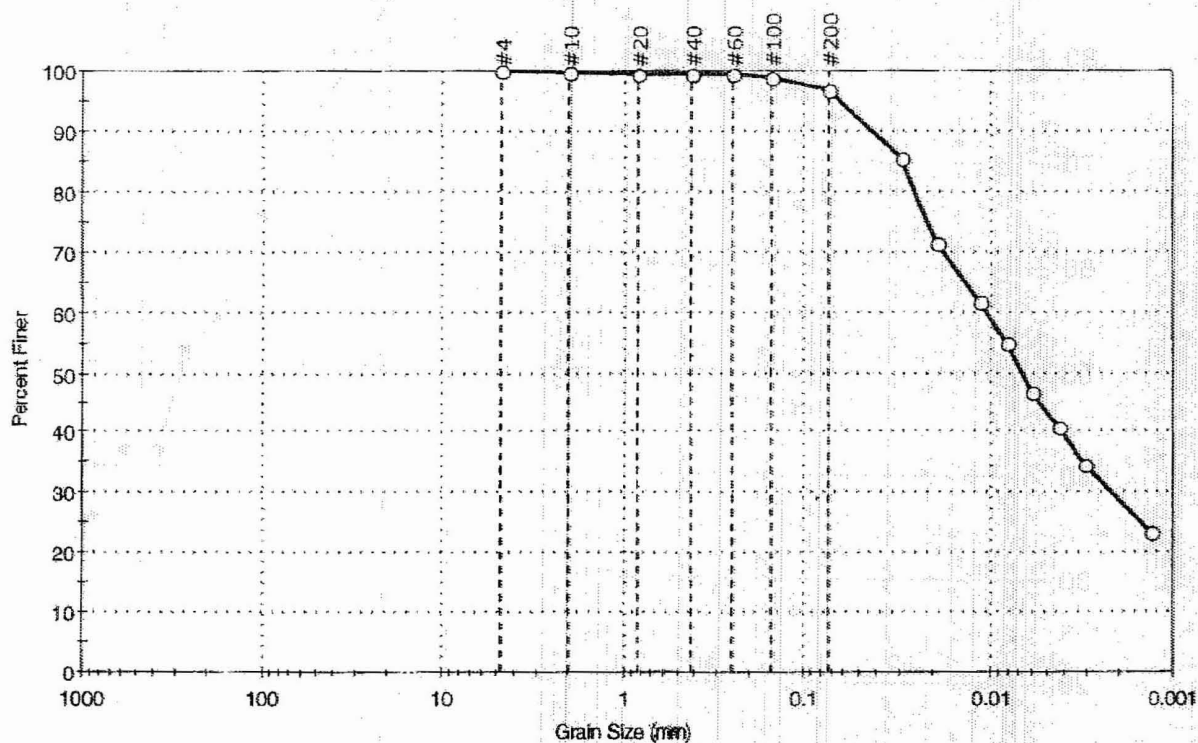
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/20/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-414	58.0	FAT CLAY, with sand, dark gray	CH	58	38		

Client: Schnabel Engineering, Inc.	Project: Subsurface Investigation Calvert Cliffs Nuclear PP	Project No: GTX-6880
Location: Calvert County, MD	Boring ID: B-414	Sample Type: tube
Sample ID: S-17	Test Date: 10/27/06	Tested By: sam
Depth: 68.0-70.0 ft	Test ID: 98069	Checked By: mcm
Test Comment: ---		
Sample Description: Moist, dark greenish gray clay		
Sample Comment: ---		

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



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	0.1	3.1	96.8

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	99		
#60	0.25	99		
#100	0.15	99		
#200	0.075	97		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0293	86		
---	0.0192	71		
---	0.0113	62		
---	0.0082	55		
---	0.0060	47		
---	0.0043	41		
---	0.0031	34		
---	0.0013	23		

Coefficients

$D_{85} = 0.0287$ mm $D_{30} = 0.0022$ mm
 $D_{60} = 0.0104$ mm $D_{15} = N/A$
 $D_{50} = 0.0068$ mm $D_{10} = N/A$
 $C_u = N/A$ $C_c = N/A$

Classification

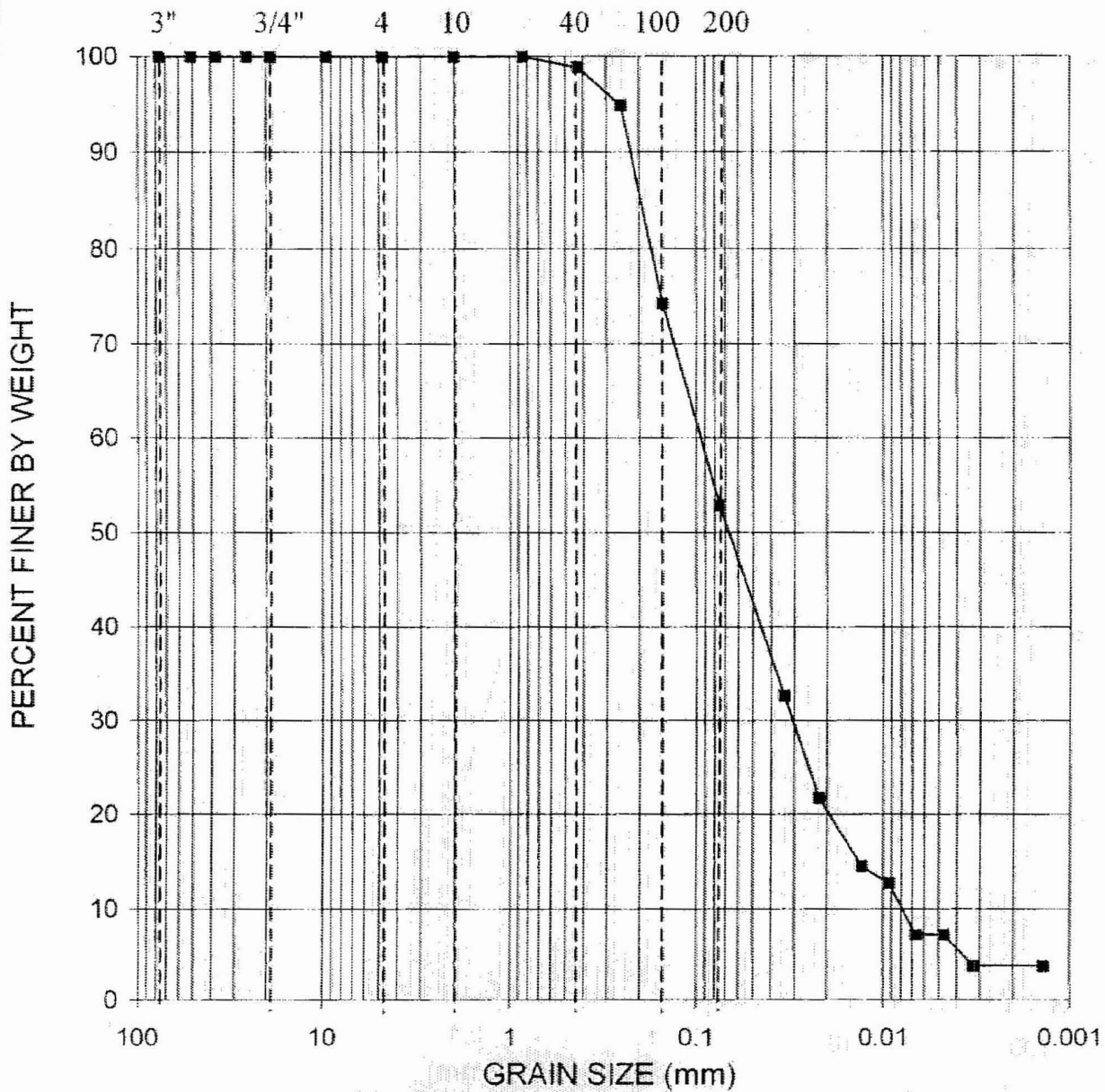
ASTM fat clay (CH)

AASHTO Clayey Soils (A-7-6 (41))

Sample/Test Description

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

U.S. Standard Sieve Nos.



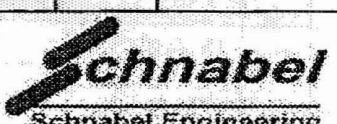
GRAVEL

SAND

SILT OR CLAY

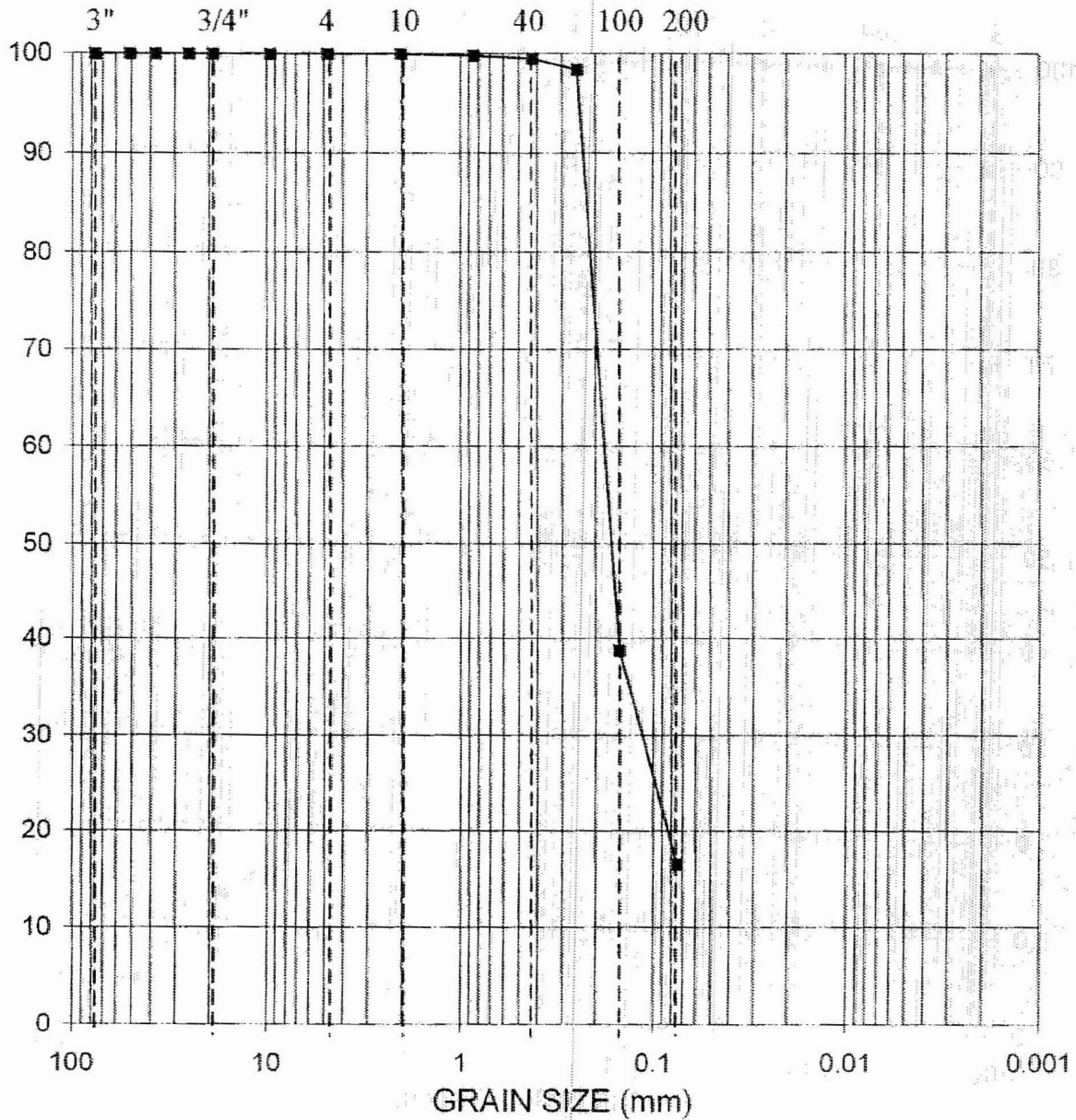
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No. 06120048.00	Date: 9/21/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-414	73.5	Sandy LEAN CLAY, green	CL	39	19	

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT



GRAVEL

SAND

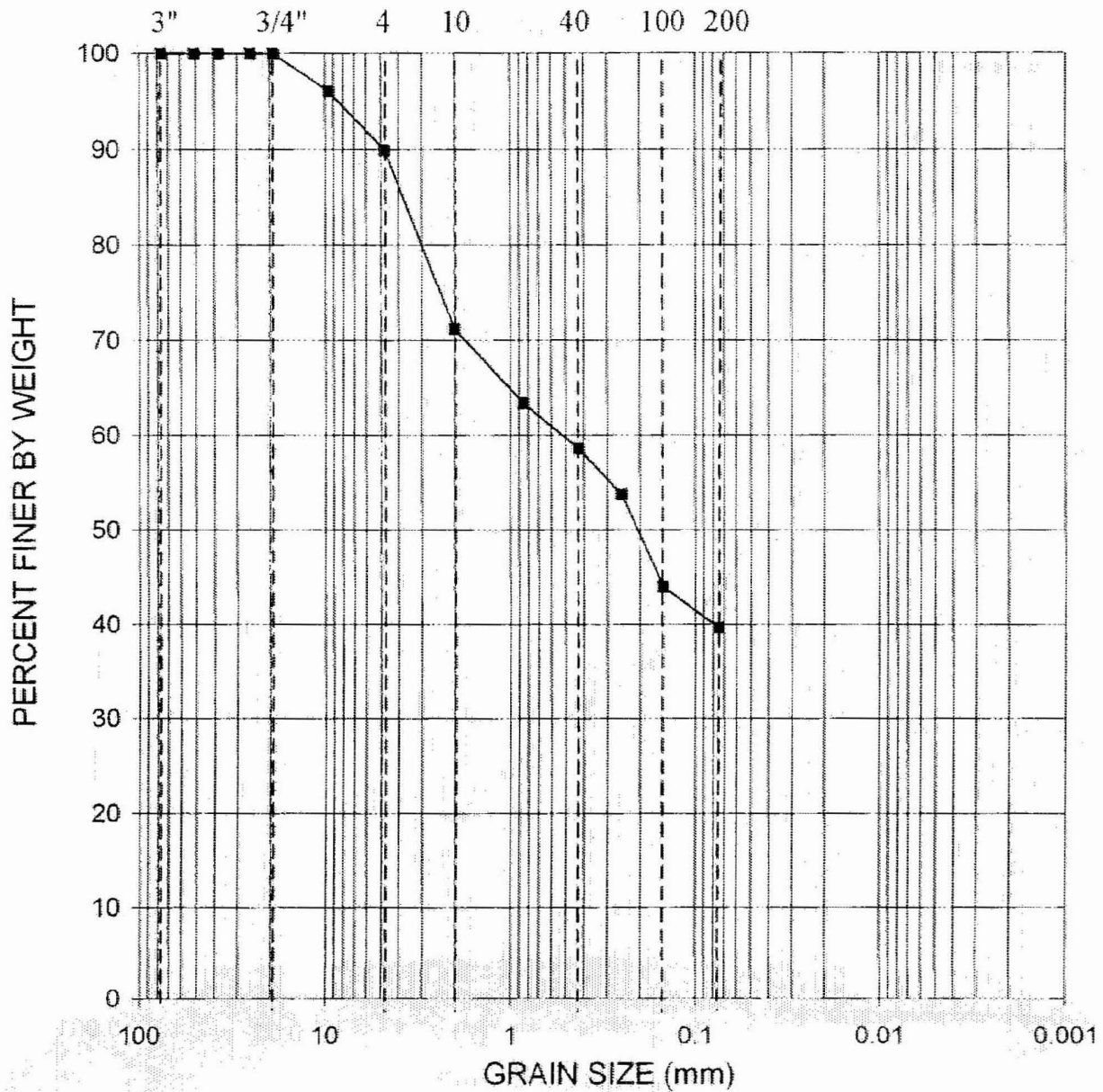
SILT OR CLAY

GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/13/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-414	83.5	Silty SAND, light gray	SM				

U.S. Standard Sieve Nos.

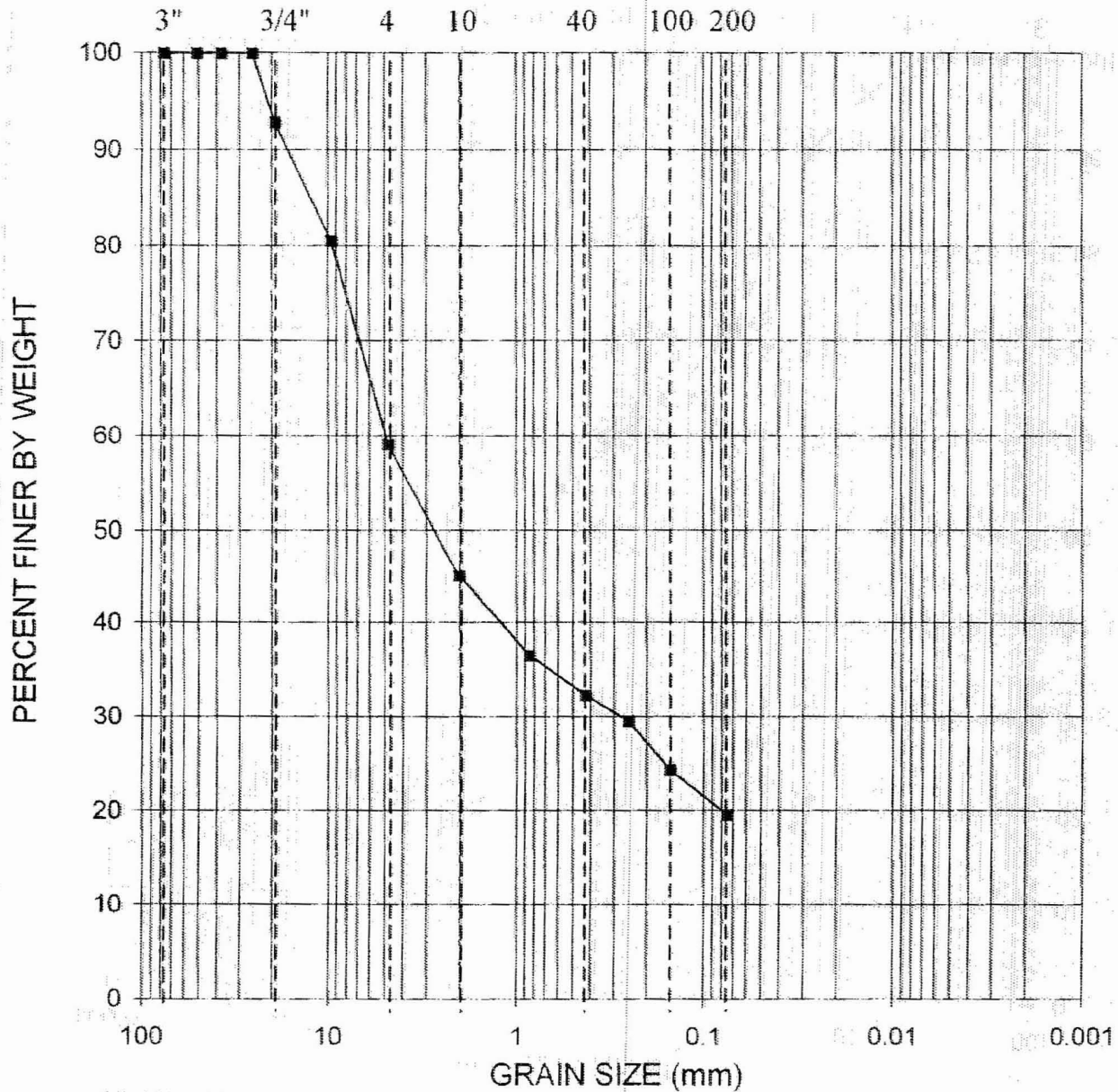


GRADATION CURVE

ASTM D422

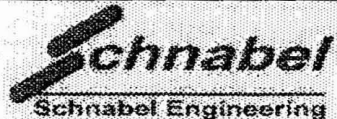
Project	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date	9/13/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-414	93.5	Silty SAND, trace shells, green	SM				

U.S. Standard Sieve Nos.

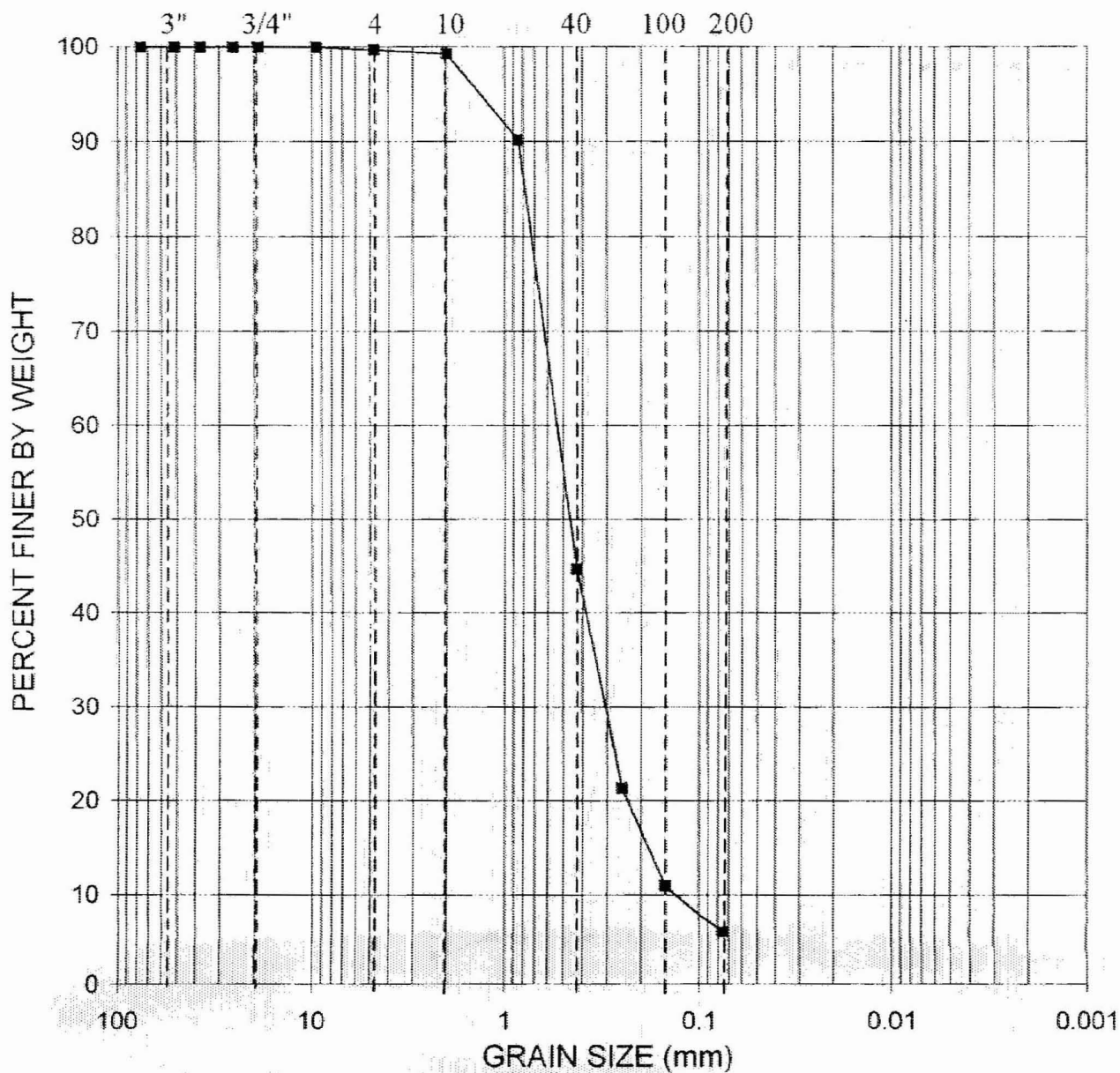


GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.	06120048.00	Date:	9/13/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
B-414	98.5	Silty SHELLS, with sand, gray	GM					

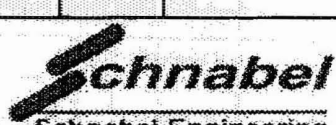
U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
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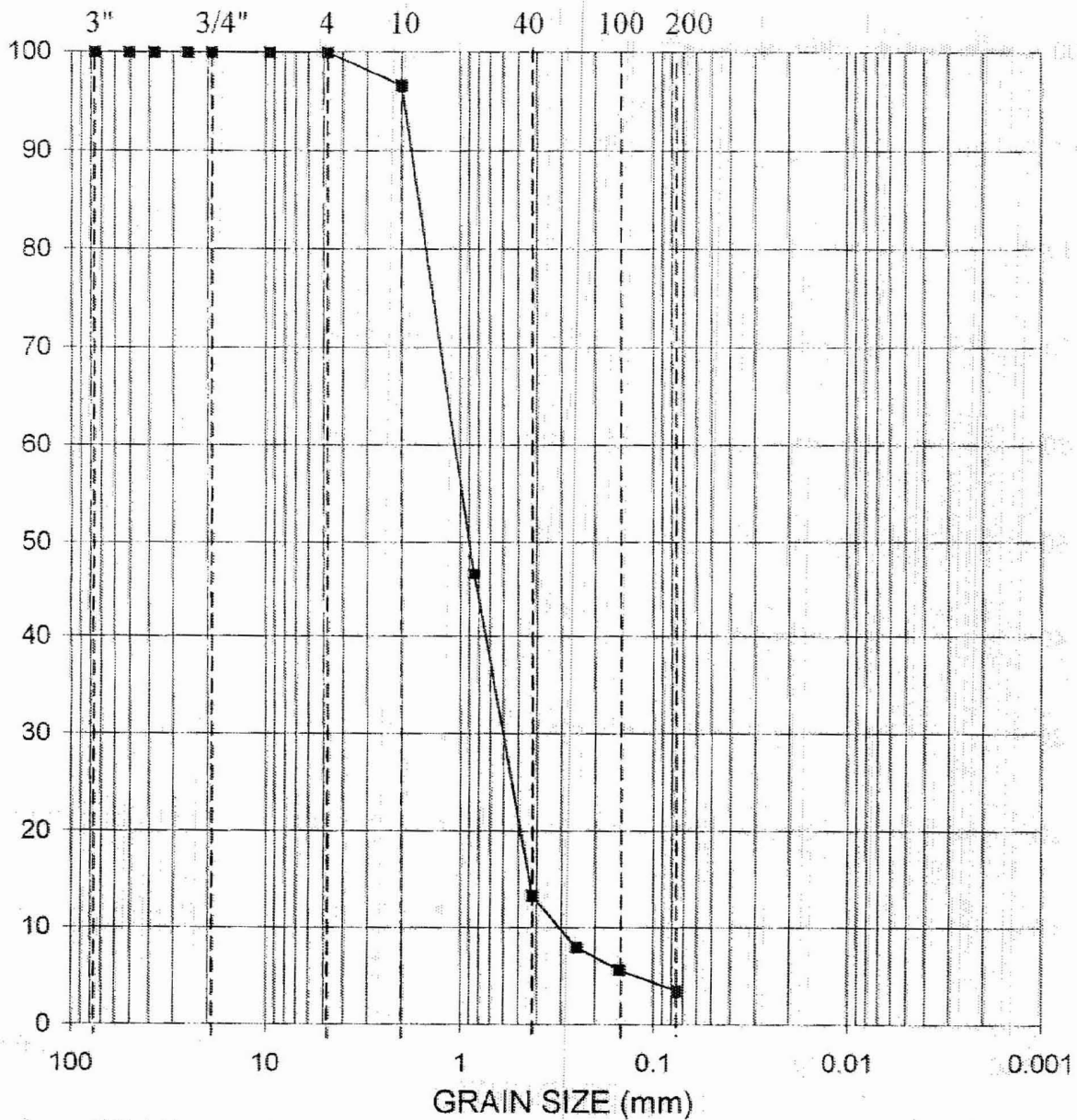
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	10/4/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-415	5	Poorly Graded SAND, with silt, tan	SP-SM				

PERCENT FINER BY WEIGHT

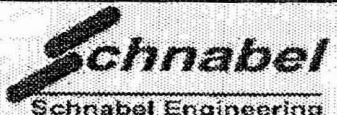
U.S. Standard Sieve Nos.



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:	10/4/2006
Boring No.	Depth (ft)	Sample Description		Class	LL	PI		
B-415	13.5	Poorly Graded SAND, trace silt, brown		SP				