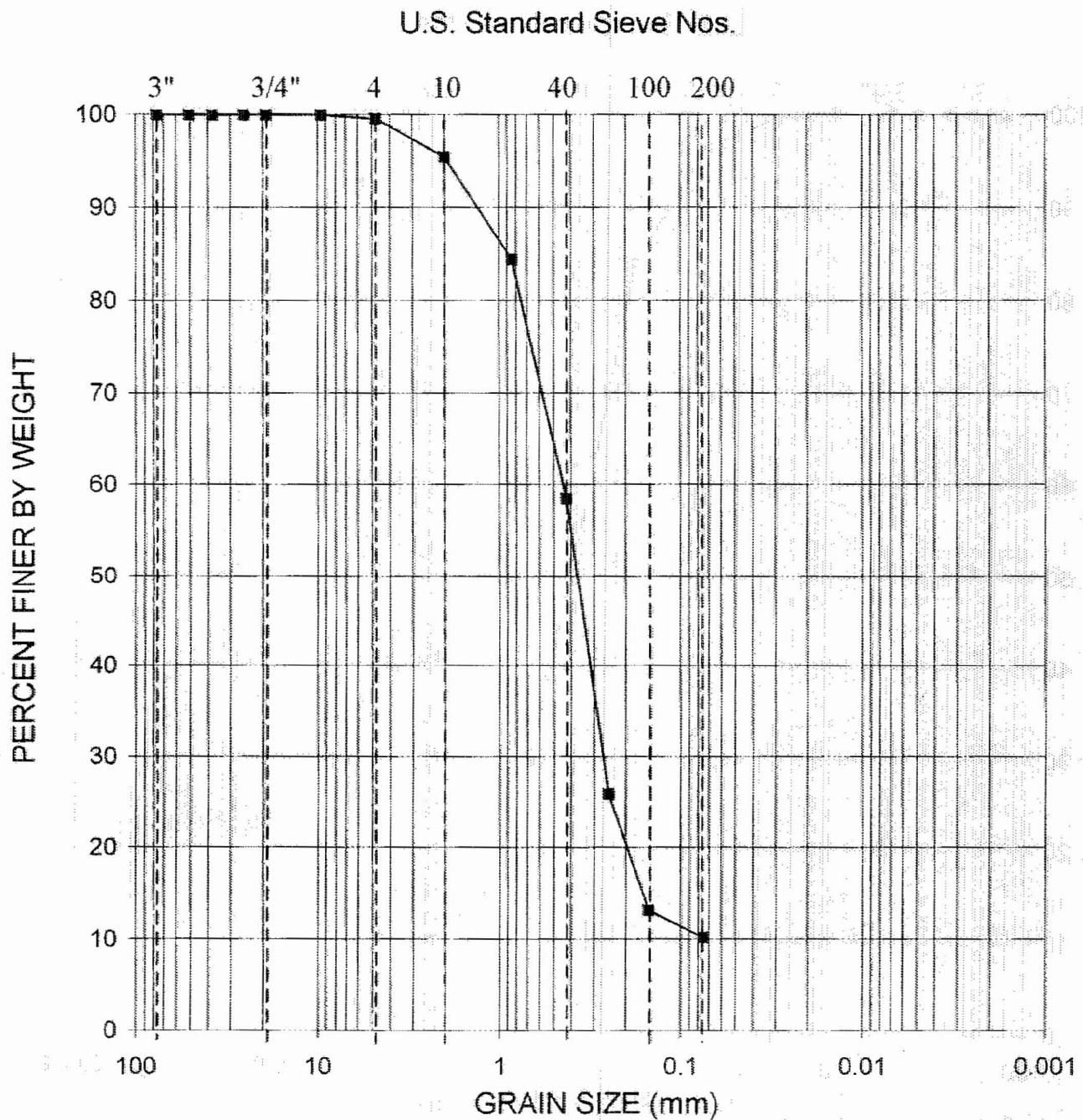


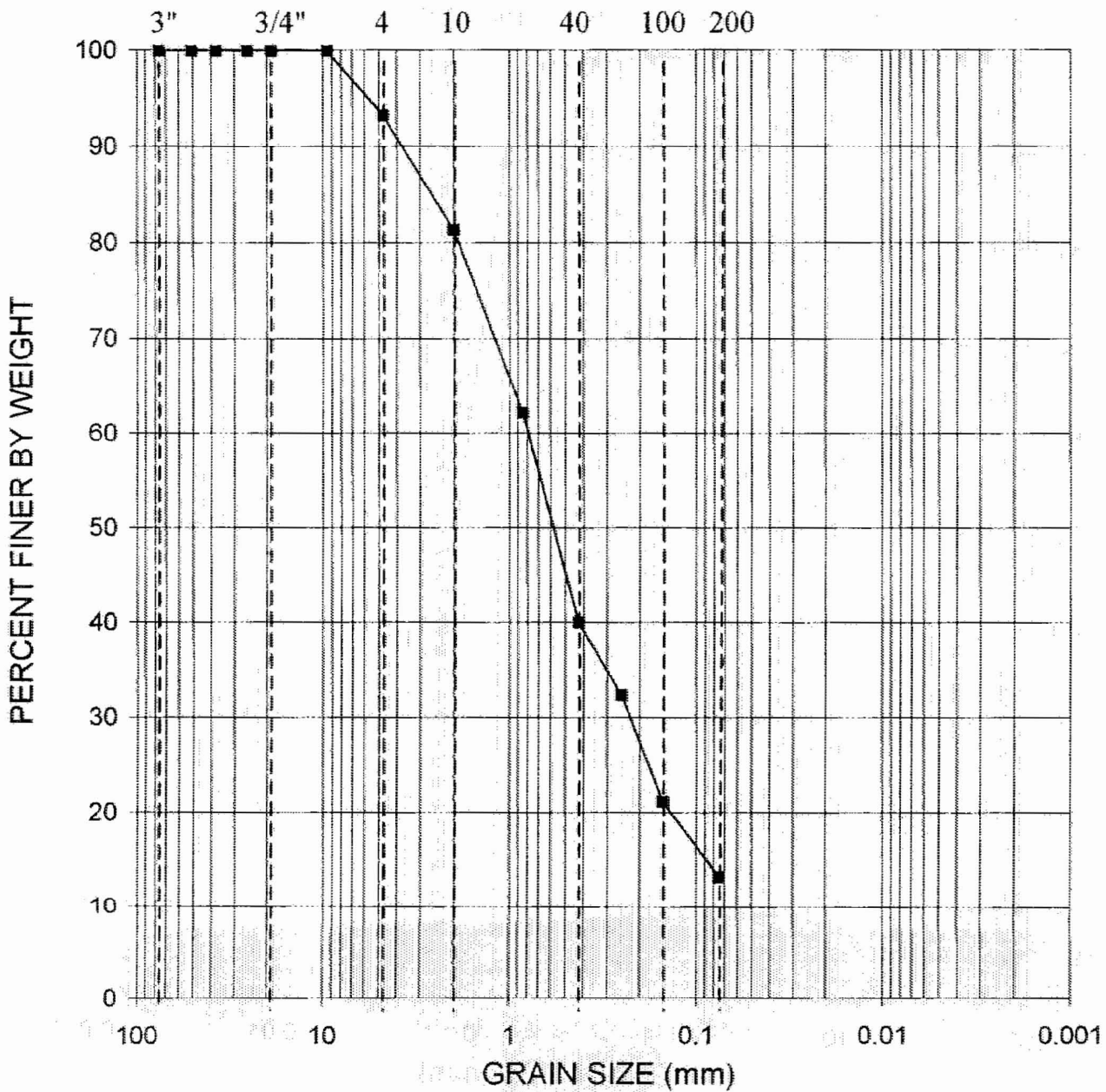


GRADATION CURVE

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	10.5	Well Graded SAND, with silt, orange	SW-SM				

U.S. Standard Sieve Nos.



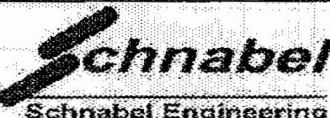
GRAVEL

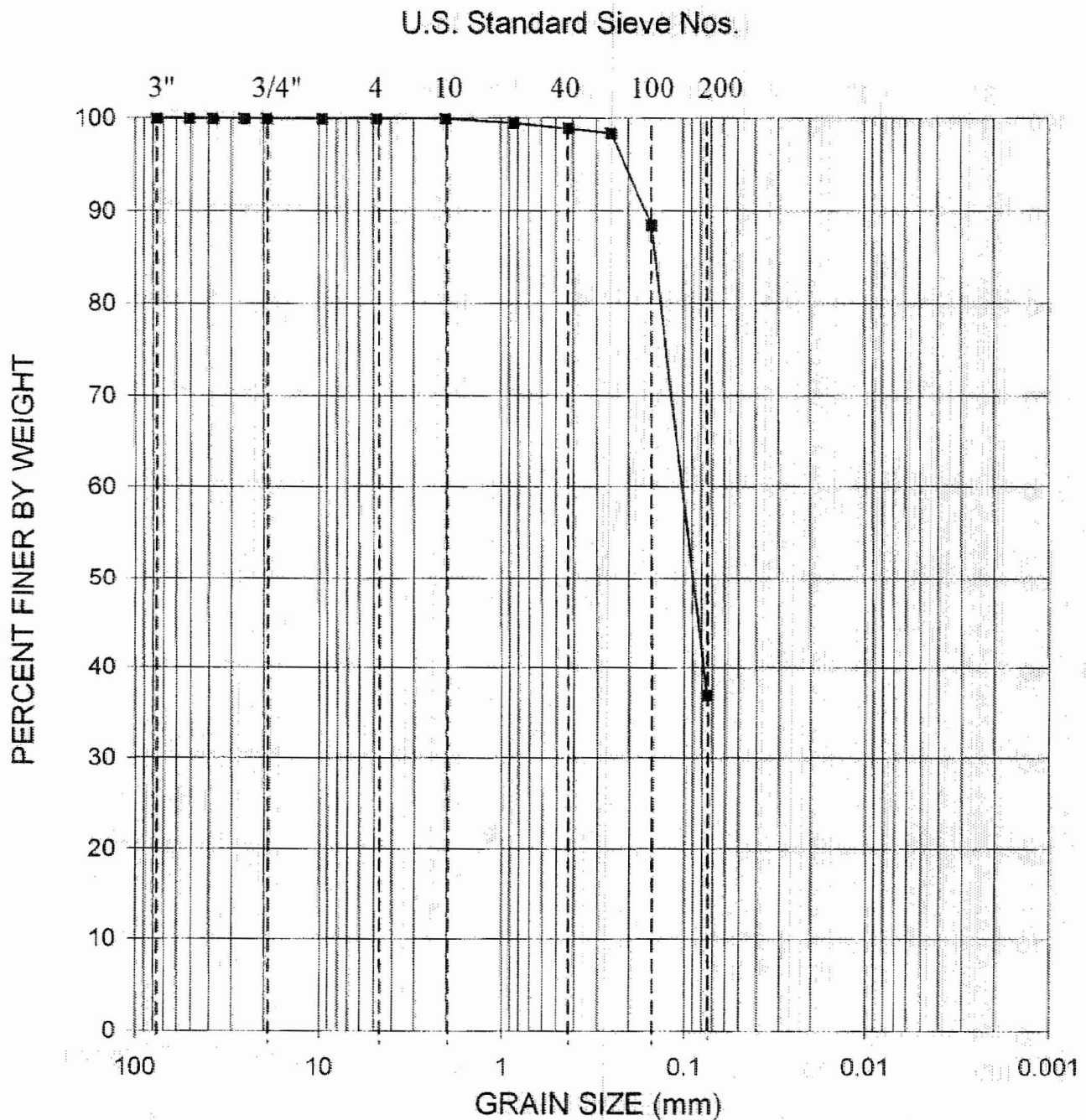
SAND

SILT OR CLAY

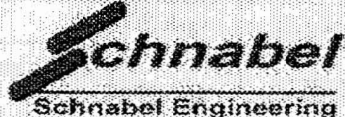
GRADATION CURVE

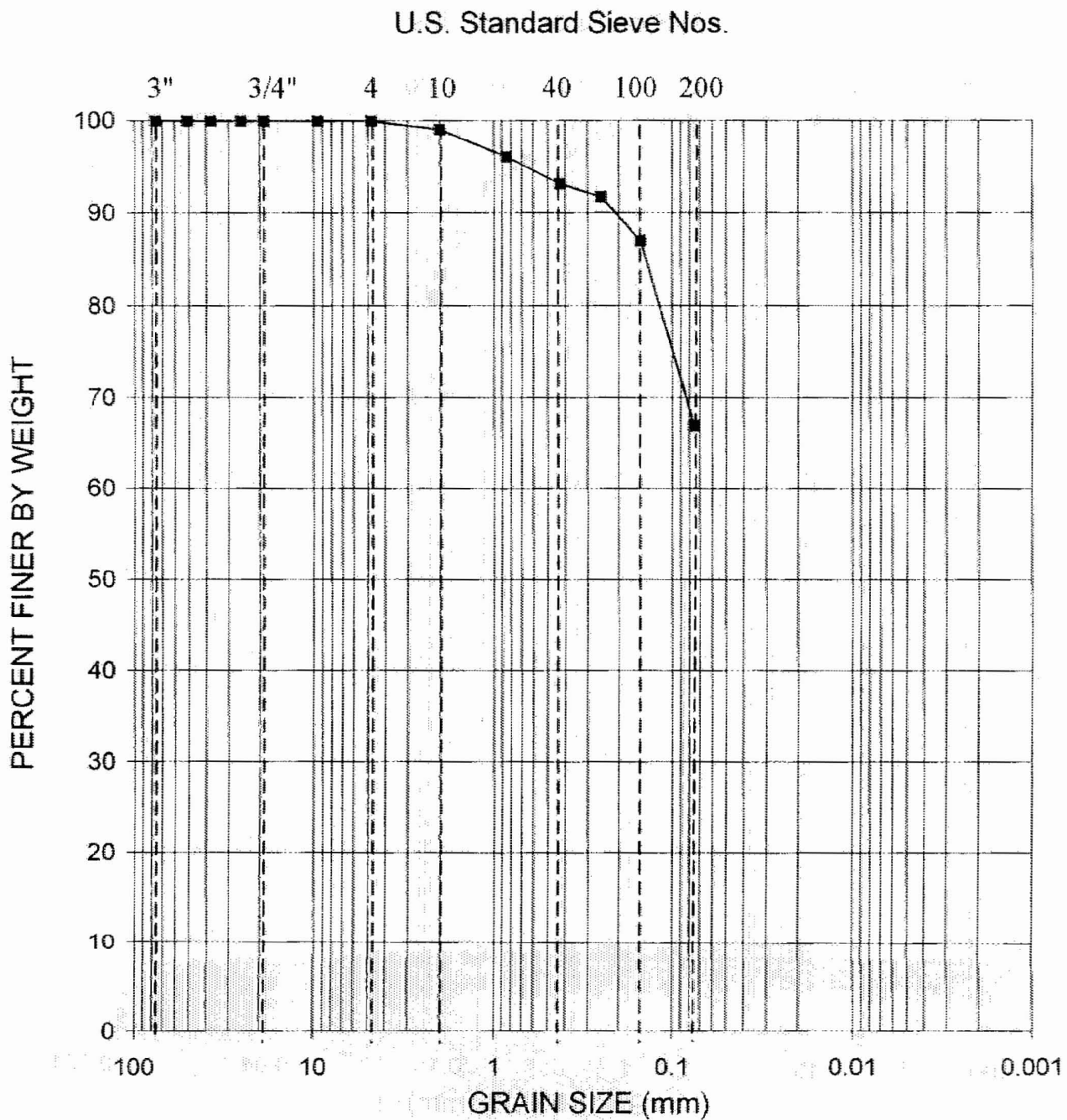
ASTM D422

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-752	18.5	Well Graded SAND, with silt, trace gravel, yellow-orange			SW-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:	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
B-752	28.5	Silty SAND, dark gray	SM					



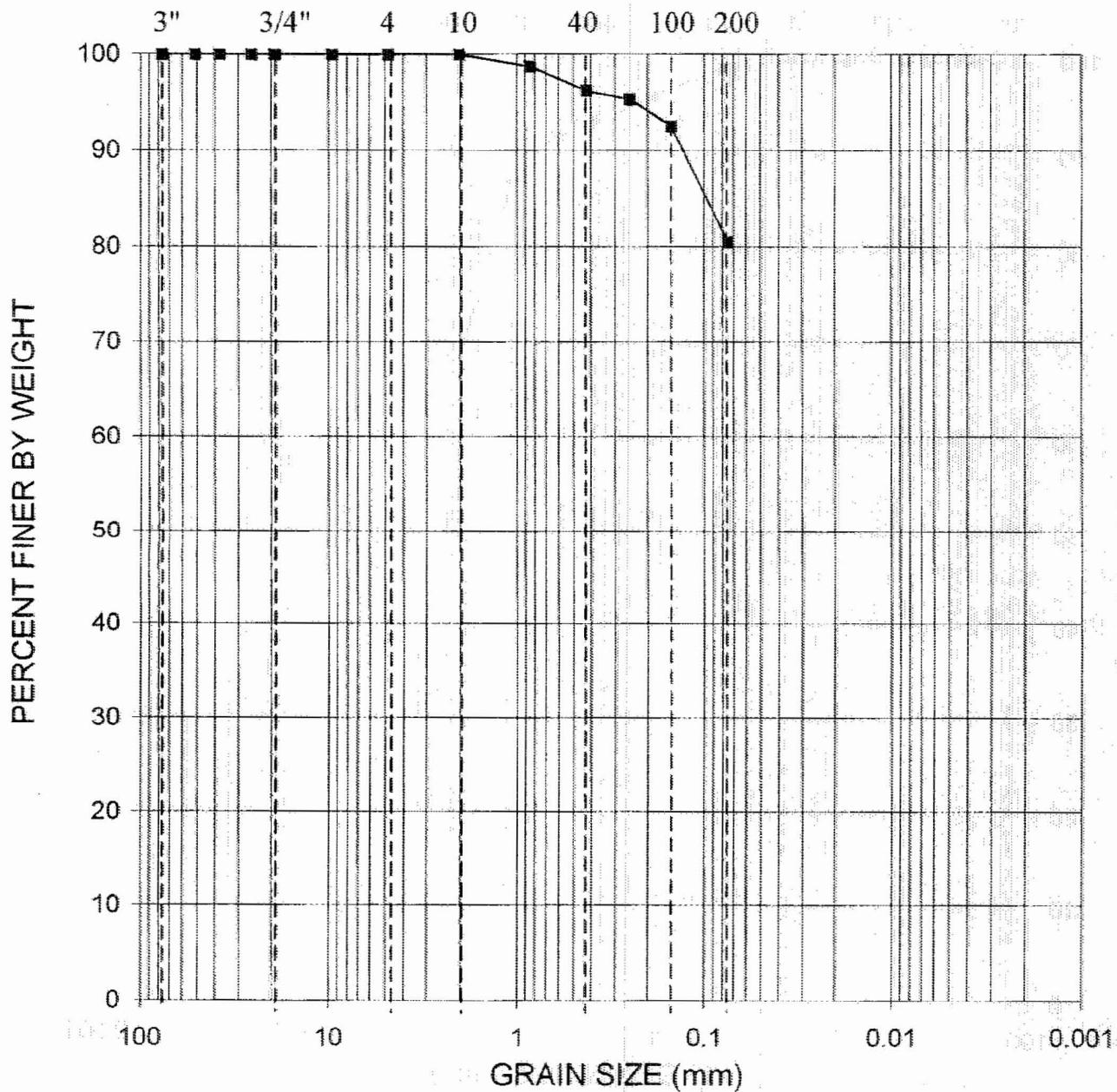
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

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-752	33.5	Sandy FAT CLAY, gray	CH	52	29		

U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

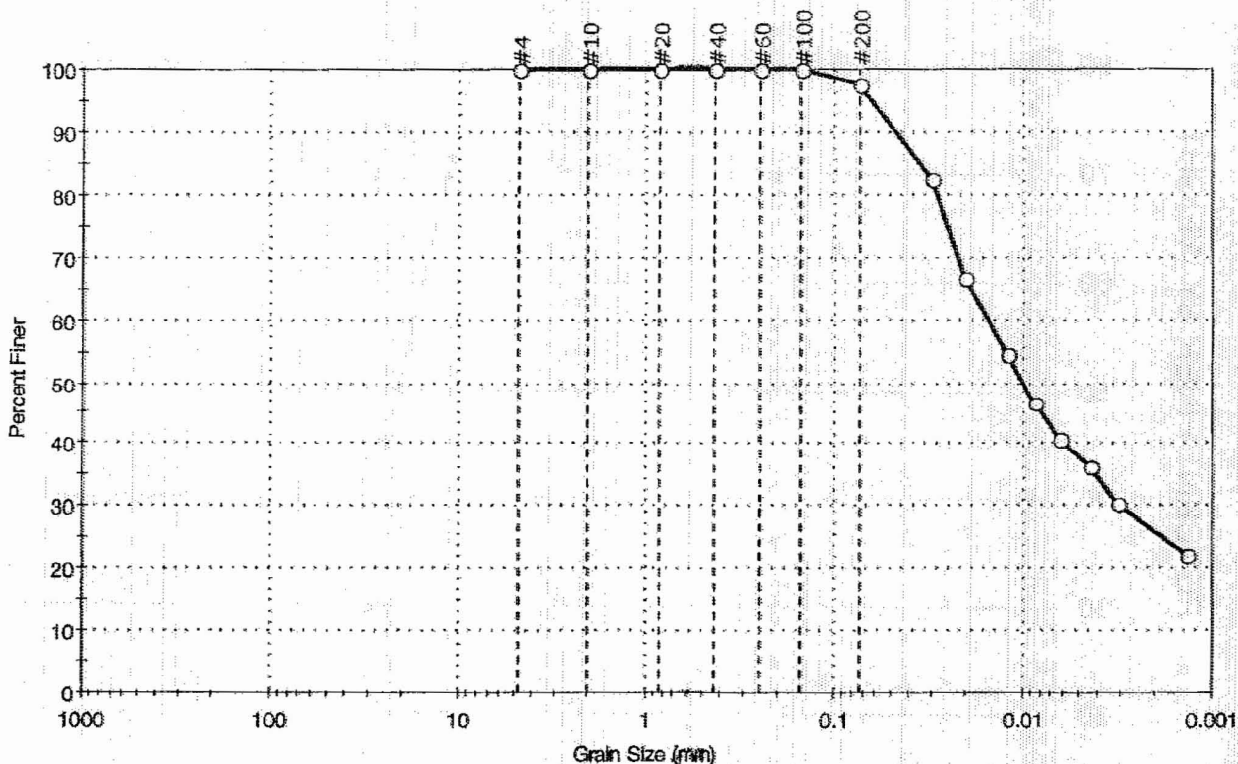
Project	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/26/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-752	38.5	ELASTIC SILT, with sand, dark gray	MH	63	32		

GeoTesting express

a subsidiary of Geocomp Corporation

Client: Schnabel Engineering, Inc.
Project: Subsurface Investigation Calvert Cliffs Nuclear PP
Location: Calvert County, MD
Project No: GTX-6880
Boring ID: B-752
Sample Type: tube
Tested By: sam
Sample ID: S-15
Test Date: 11/01/06
Checked By: mcm
Depth: 58-60 ft
Test ID: 98042
Test Comment: ---
Sample Description: Moist, dark greenish gray organic clay
Sample Comment: ---

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



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	0.0	2.3	97.7

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	100		
#200	0.075	98		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0307	83		
---	0.0201	67		
---	0.0119	55		
---	0.0087	47		
---	0.0062	41		
---	0.0044	36		
---	0.0032	30		
---	0.0014	22		

Coefficients

$D_{85} = 0.0354$ mm $D_{30} = 0.0030$ mm
 $D_{60} = 0.0151$ mm $D_{15} = N/A$
 $D_{50} = 0.0099$ mm $D_{10} = N/A$
 $C_u = N/A$ $C_c = N/A$

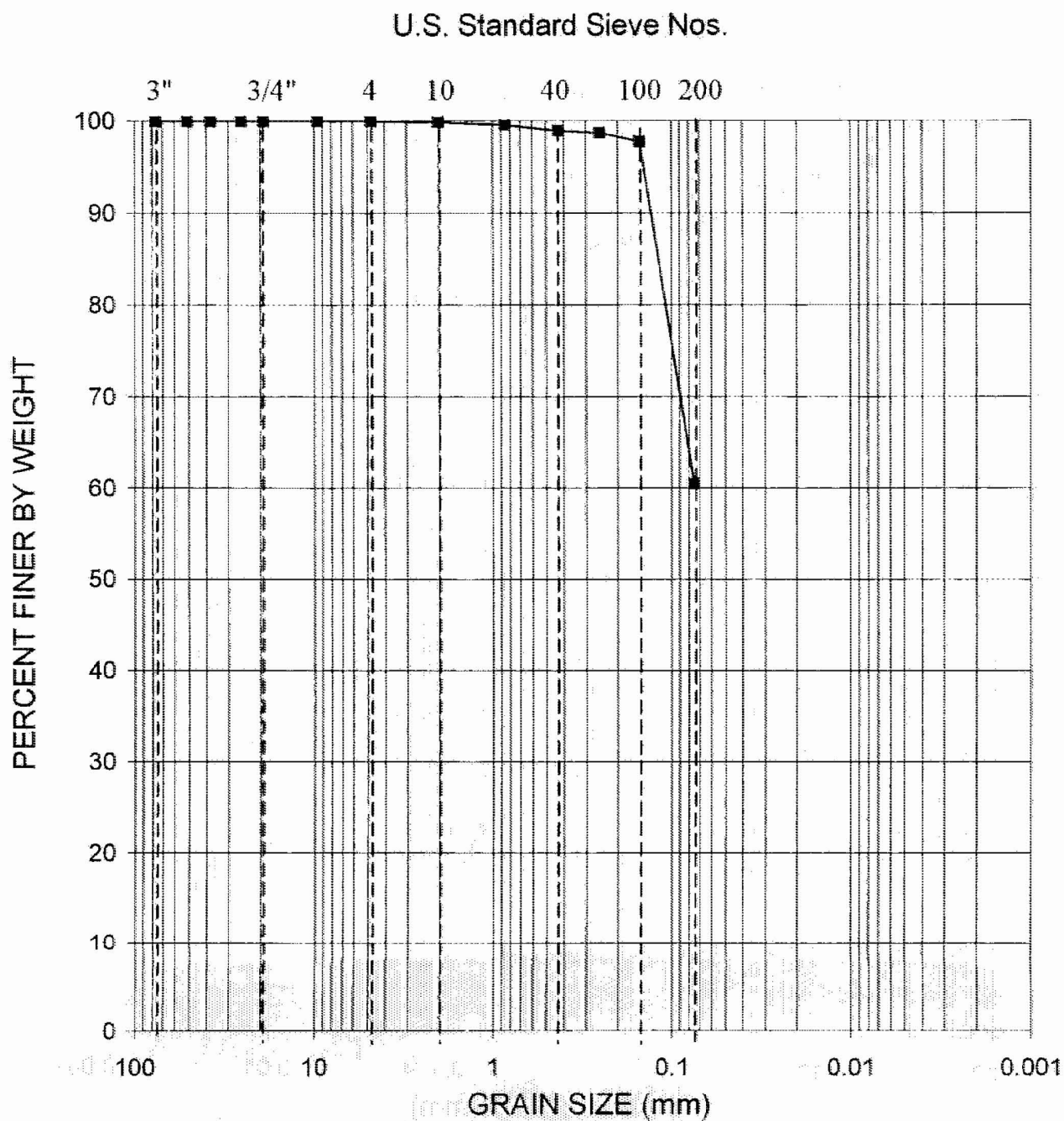
Classification

ASTM organic clay (OH)

AASHTO Clayey Soils (A-7-6 (58))

Sample/Test Description

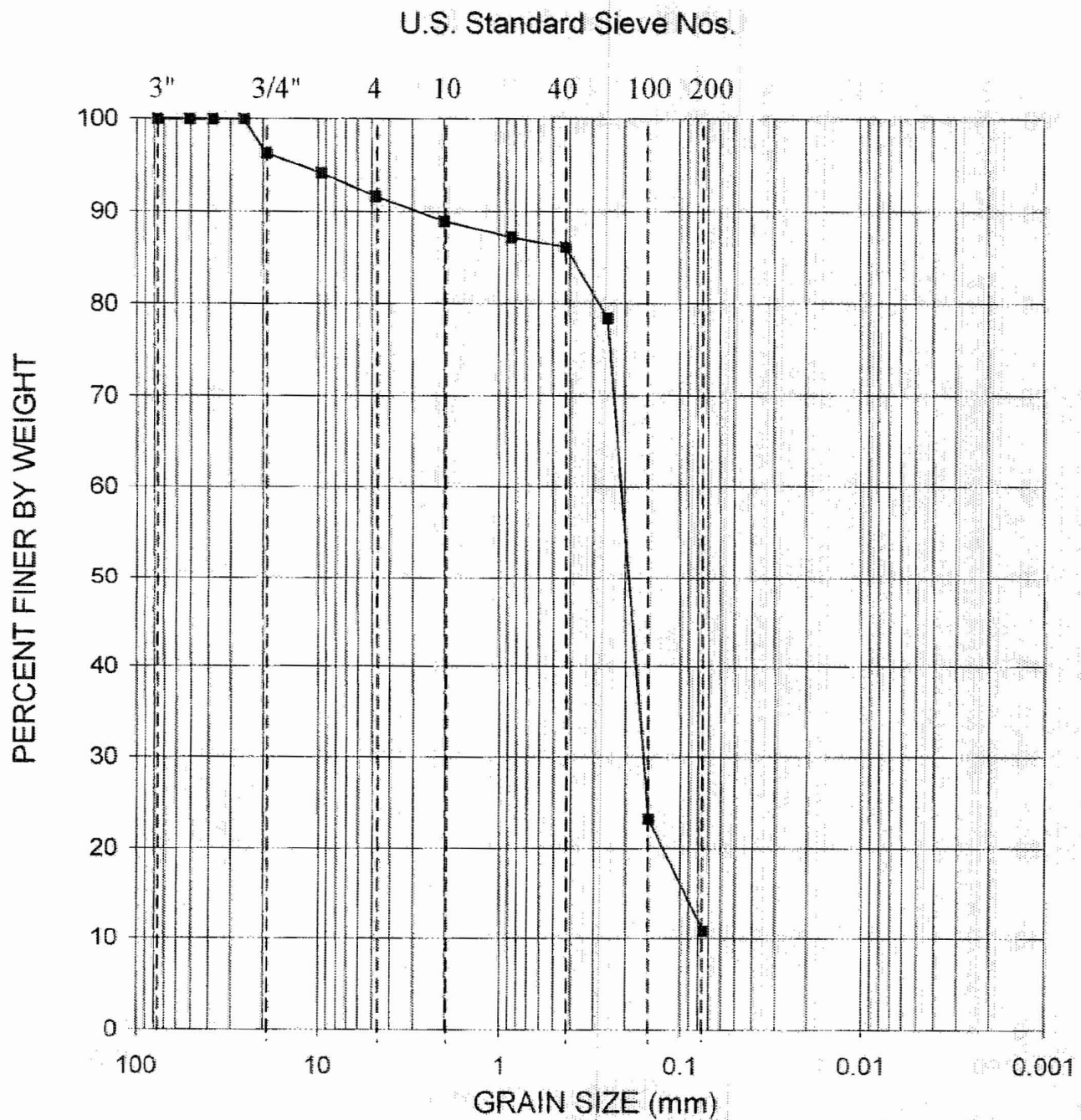
Sand/Gravel Particle Shape : ---
 Sand/Gravel Hardness : HARD



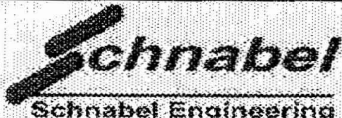
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE
ASTM D422

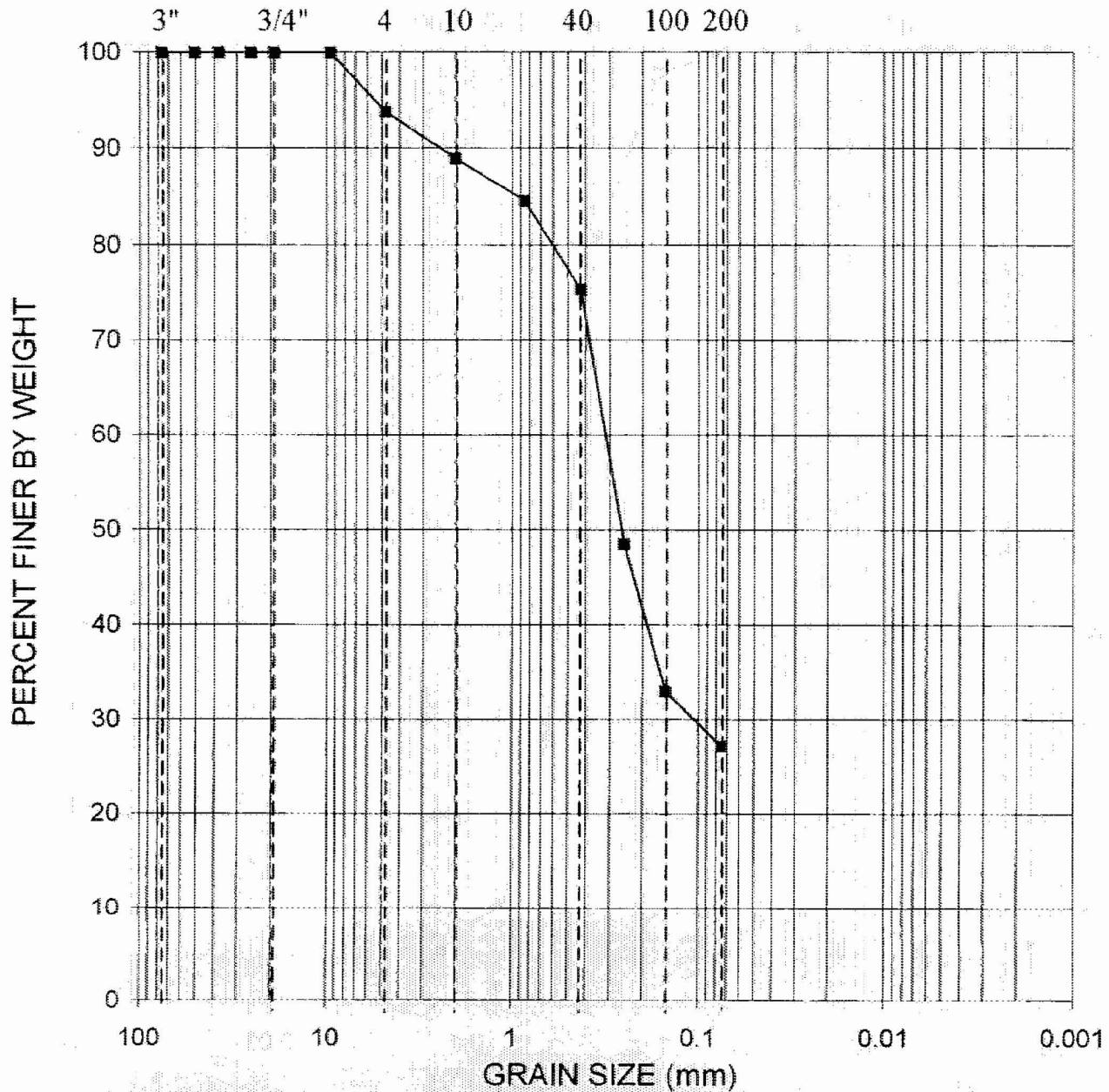
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/29/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-752	68.5	Sandy SILT, dark green-gray	ML				



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-752	83.5	Poorly Graded SAND, with silt trace shells, dark green	SP-SM				

U.S. Standard Sieve Nos.

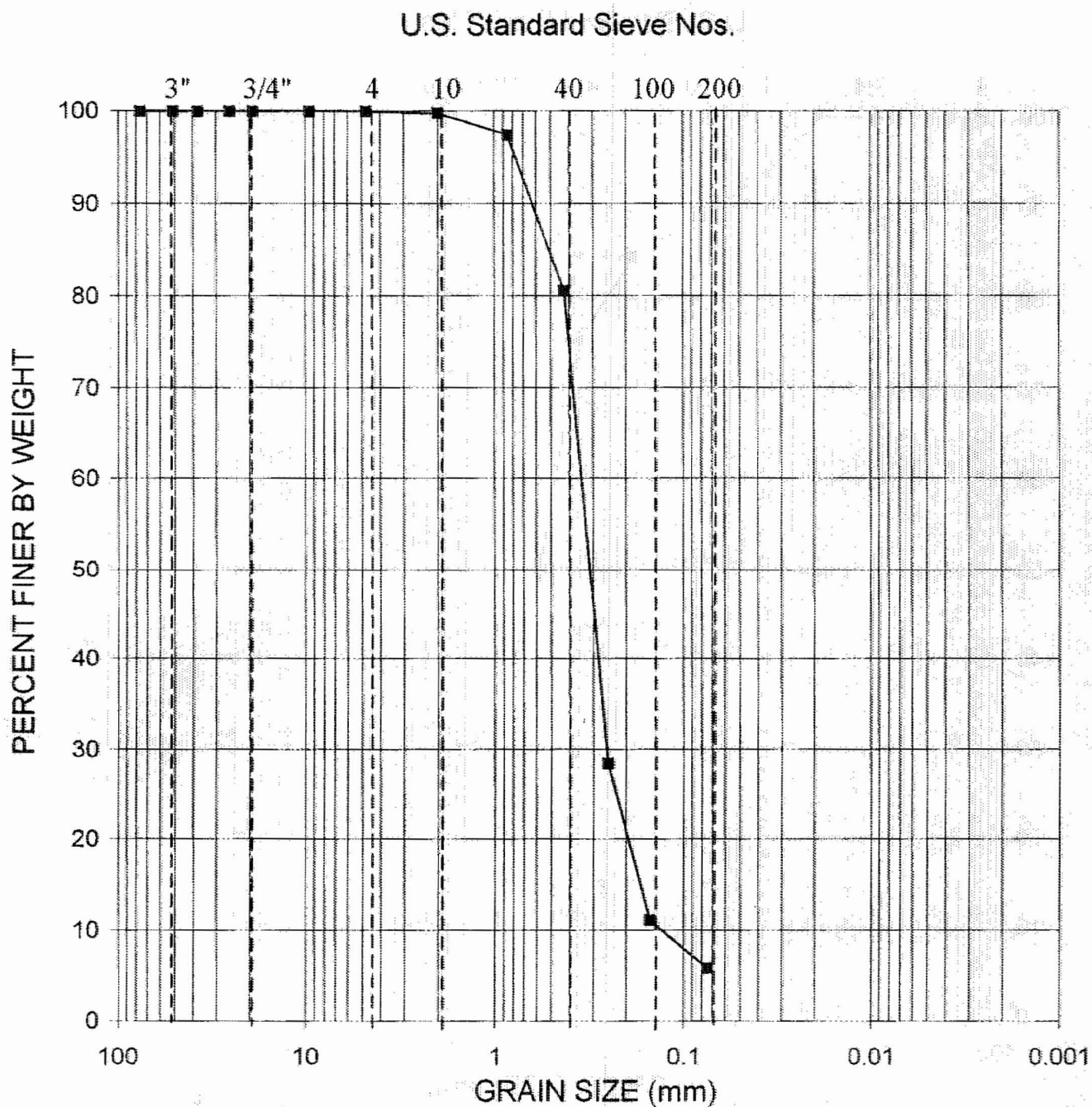


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/27/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-752	98.5	Clayey SAND, trace shells, dark gray-green	SC				

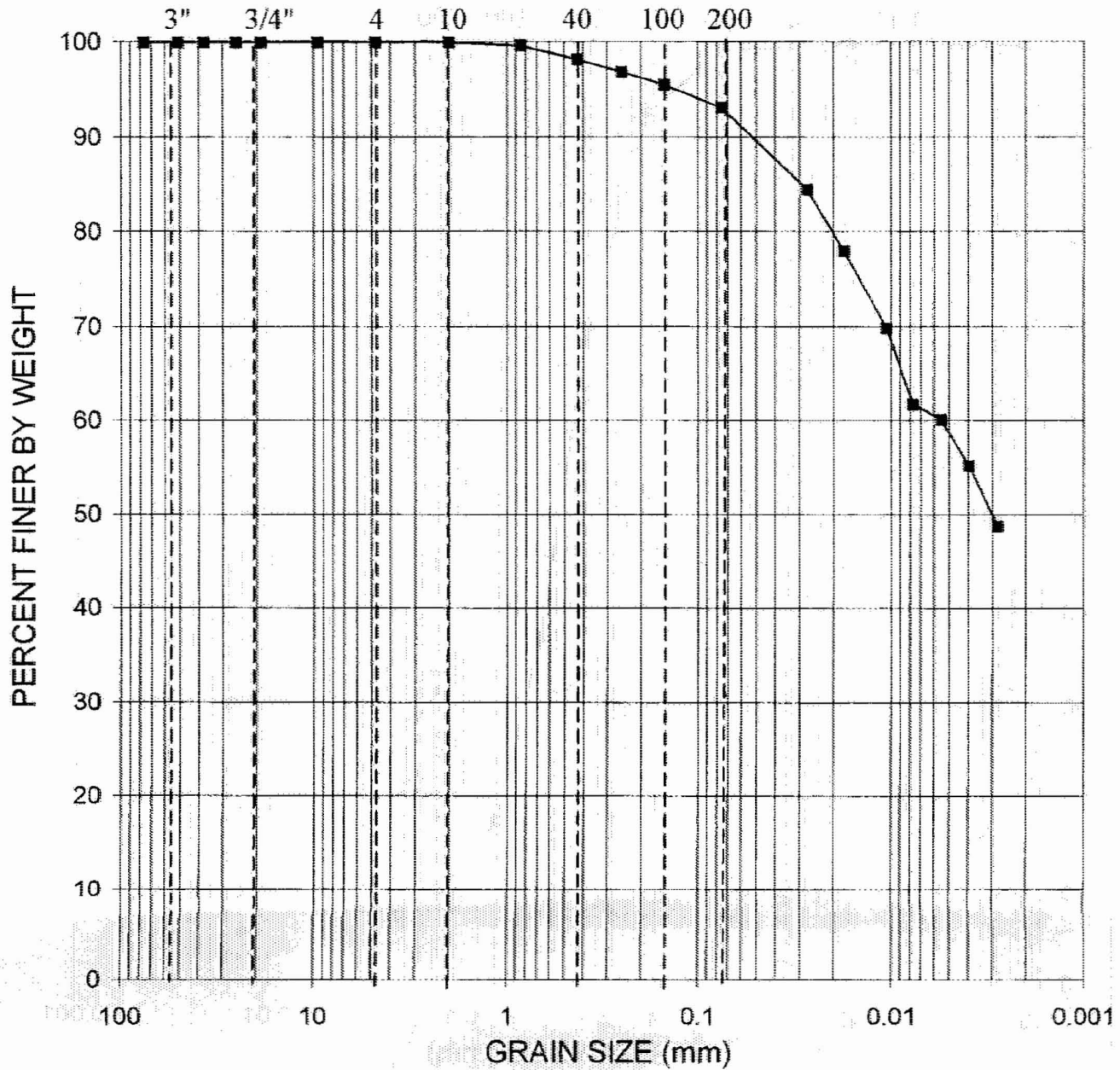


GRADATION CURVE

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		
TP-B-307	4.5-5.5	Poorly Graded SAND, with silt, brown	SP-SM				

U.S. Standard Sieve Nos.

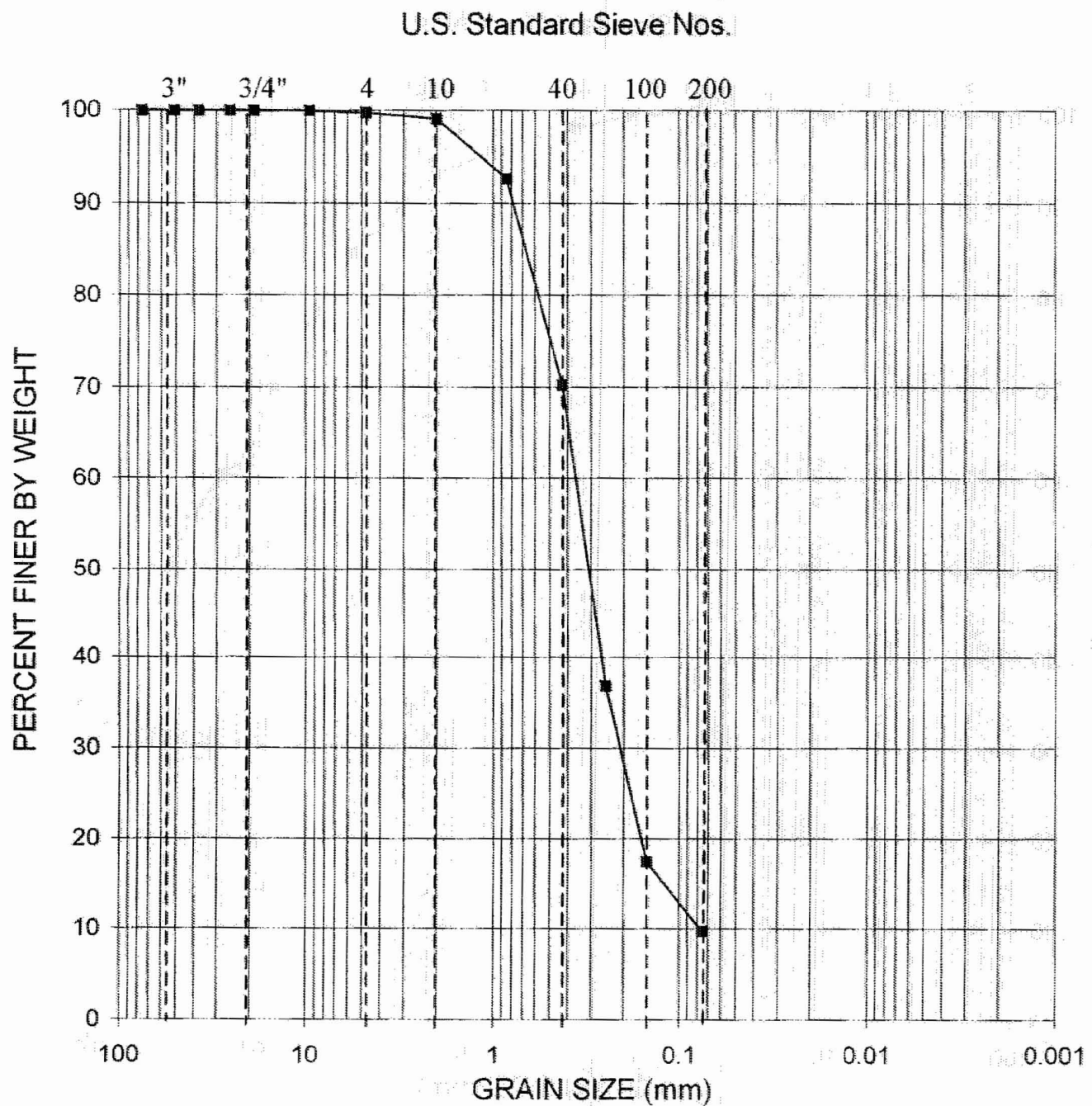


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

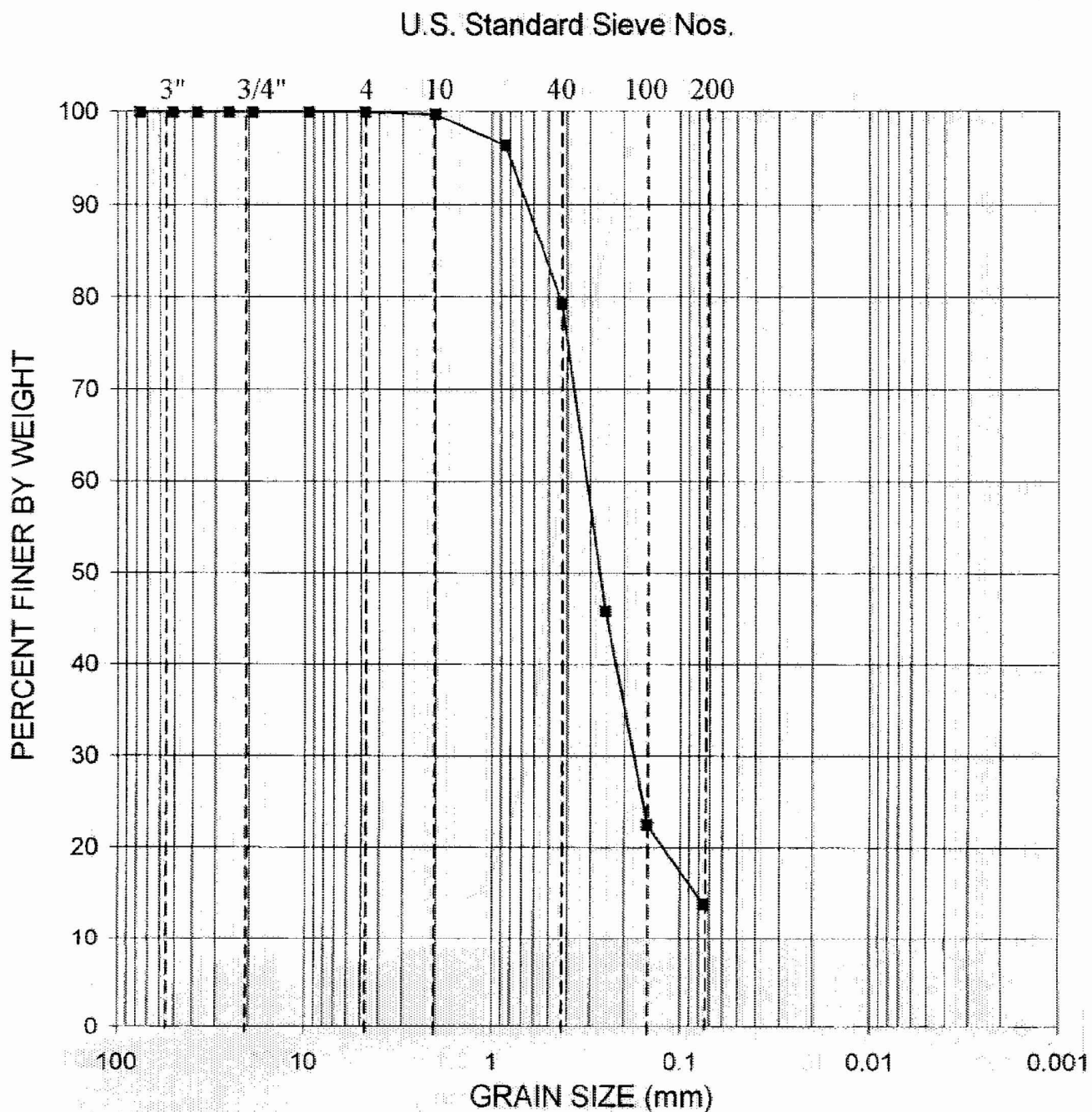
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date:	10/11/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
TP-B-314	4.0-5.0	FAT CLAY, trace sand, gray-brown	CH	71	47		



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:	8/29/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
TP-B-315	6.0-7.0	Poorly Graded SAND, with silt, tan	SP-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:	8/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
TP-B-334	3.0-4.0	Silty SAND, brown	SM				