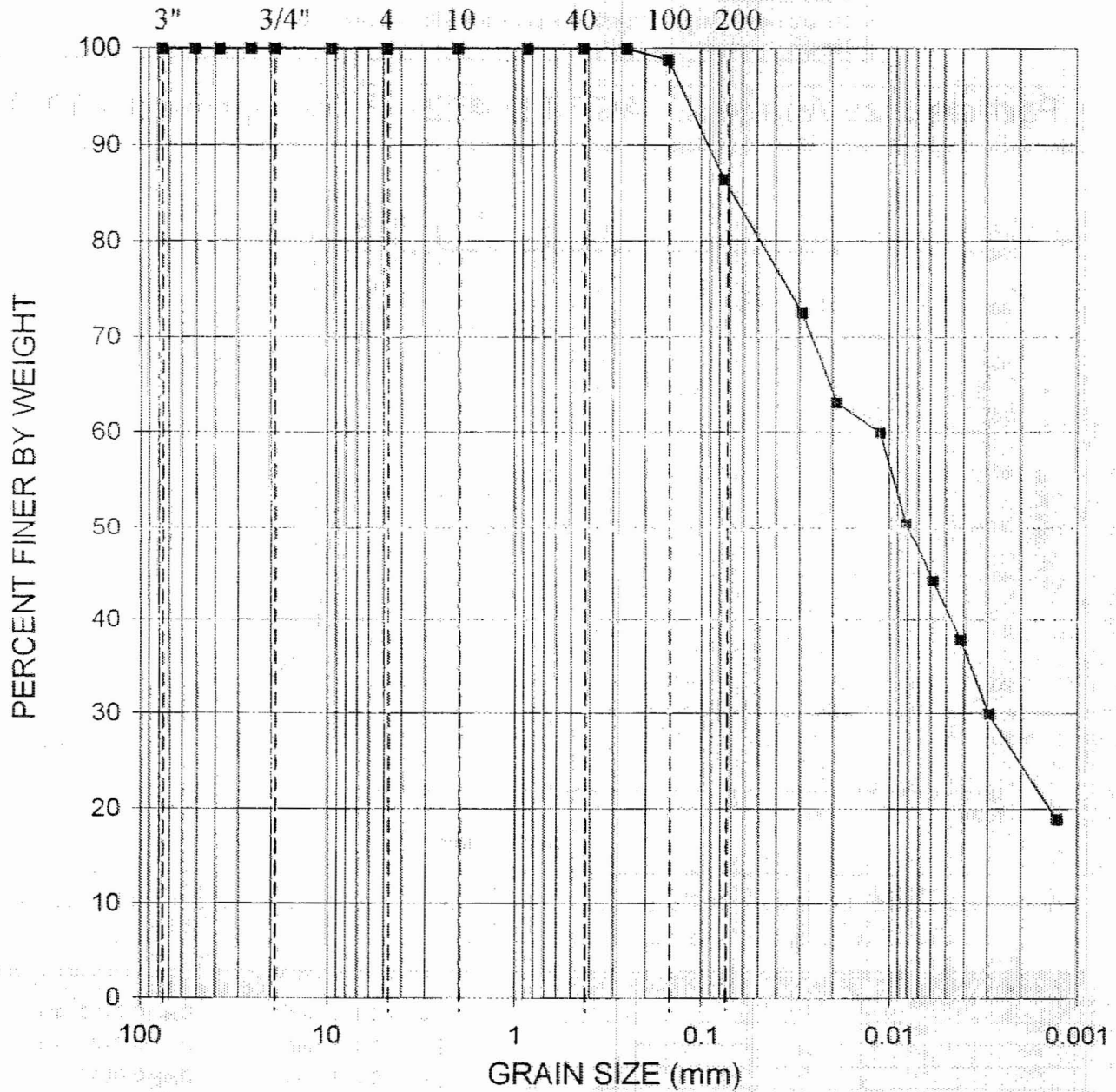


U.S. Standard Sieve Nos.



GRAVEL

SAND

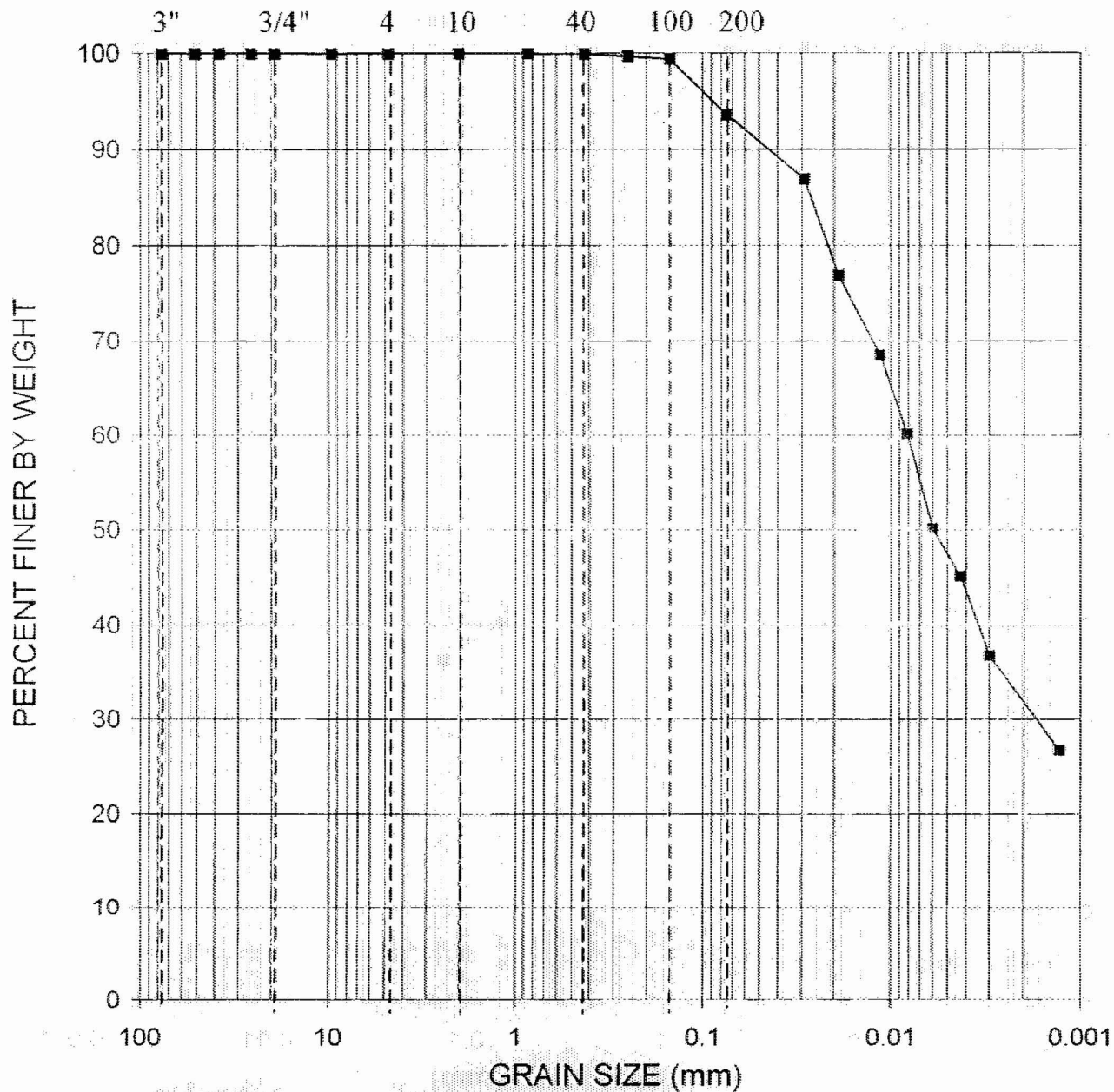
SILT OR CLAY

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.



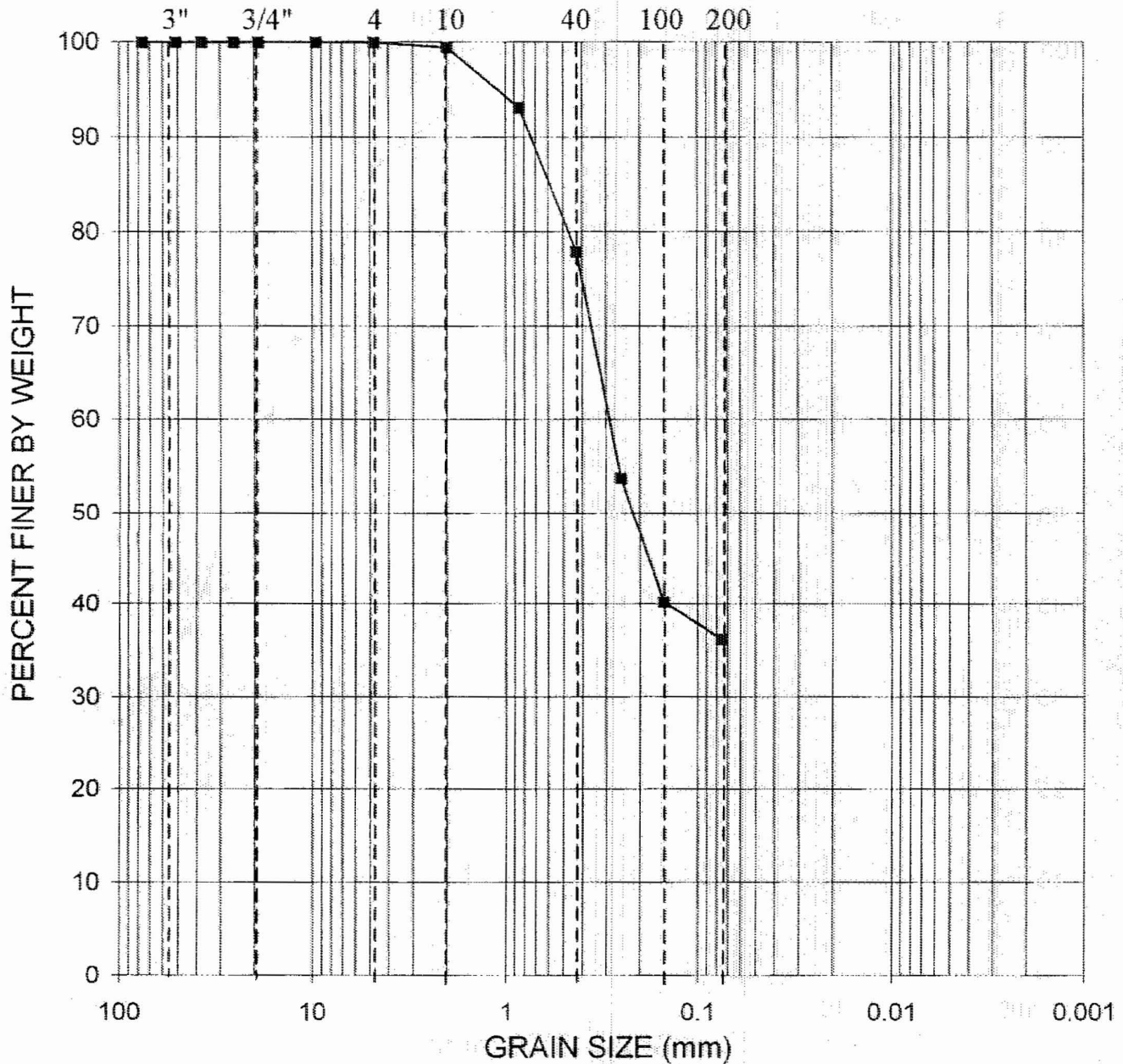
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE ASTM D422

Class: 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.

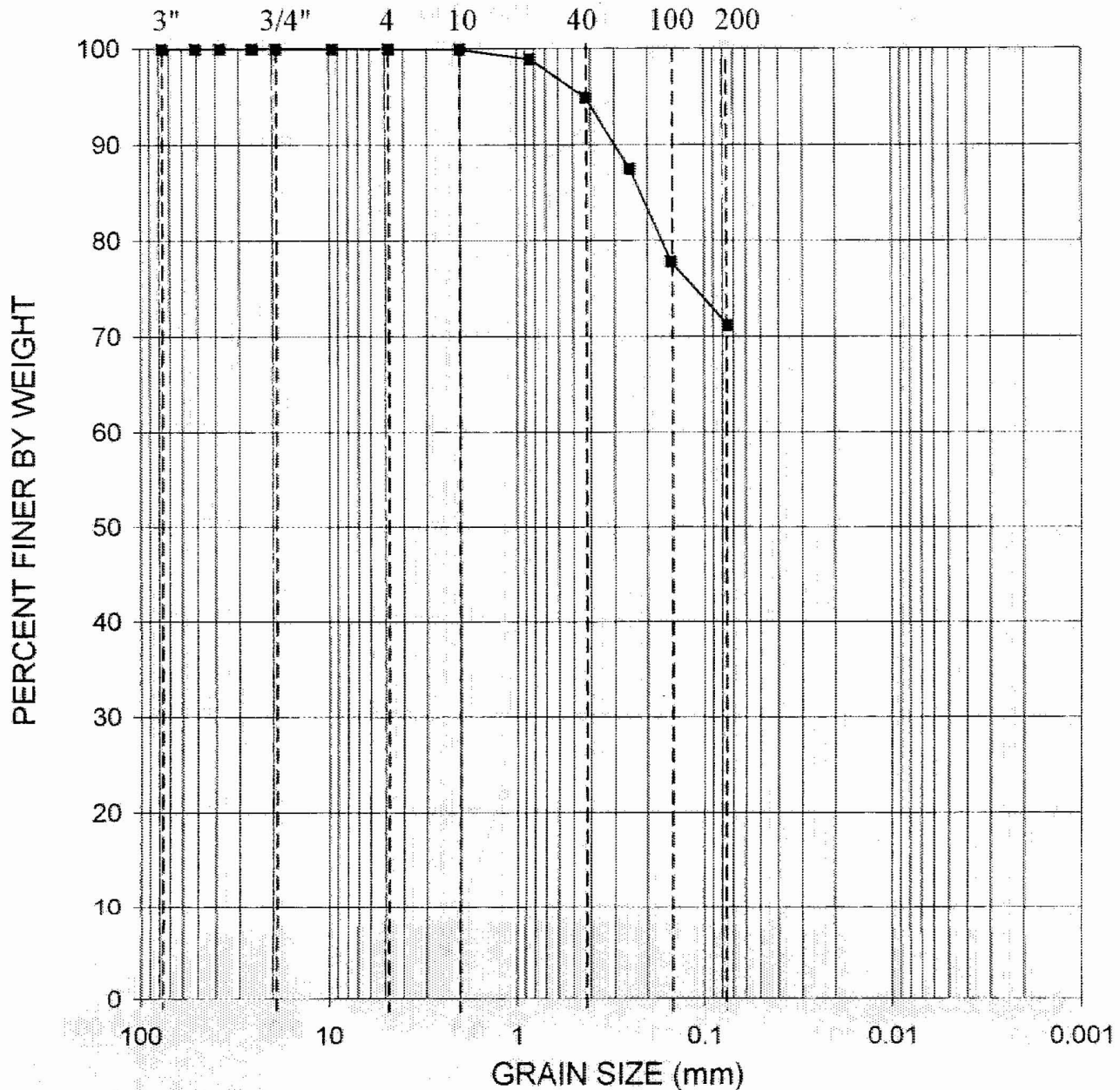


GRADATION CURVE

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.

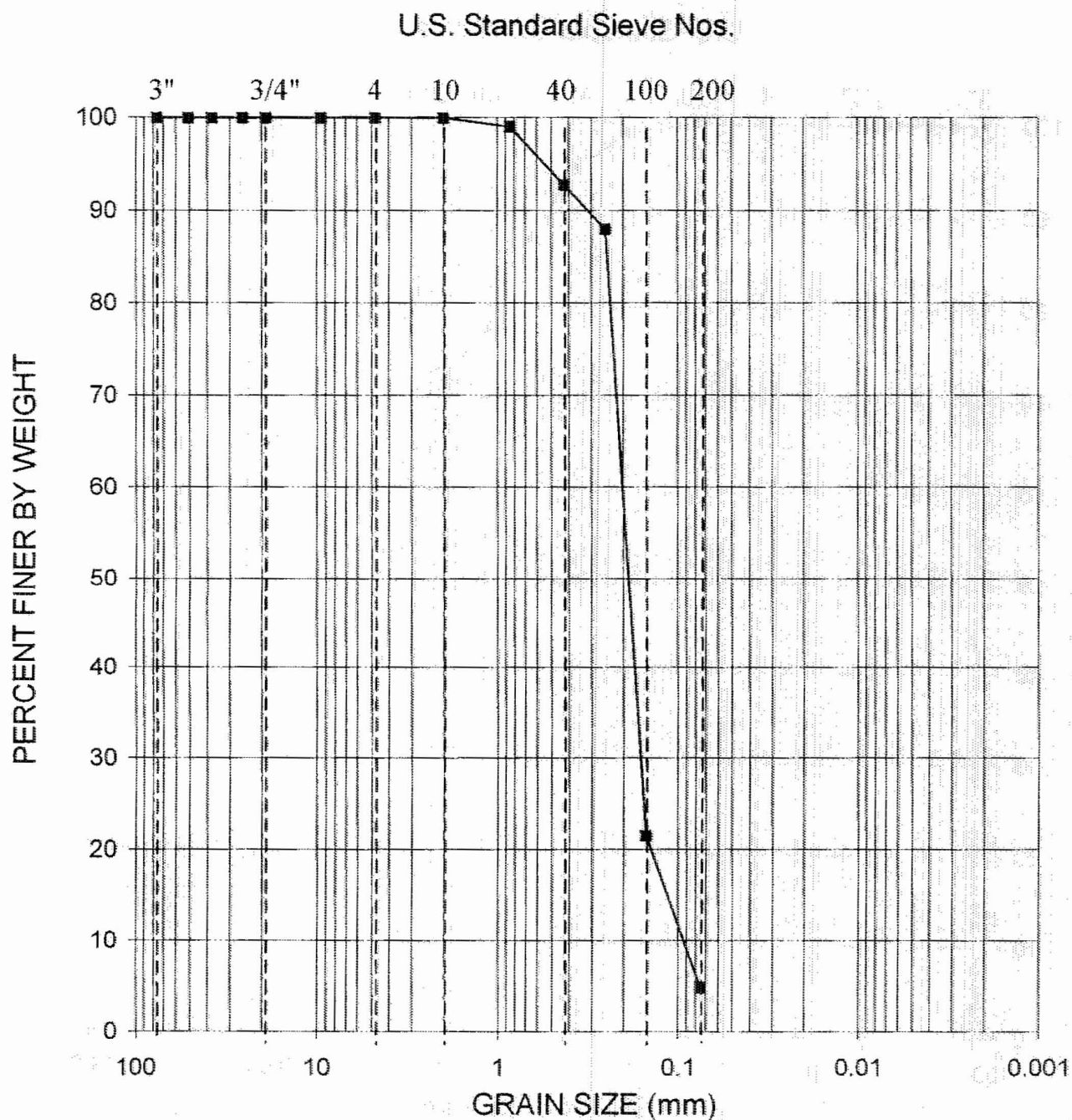


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

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				



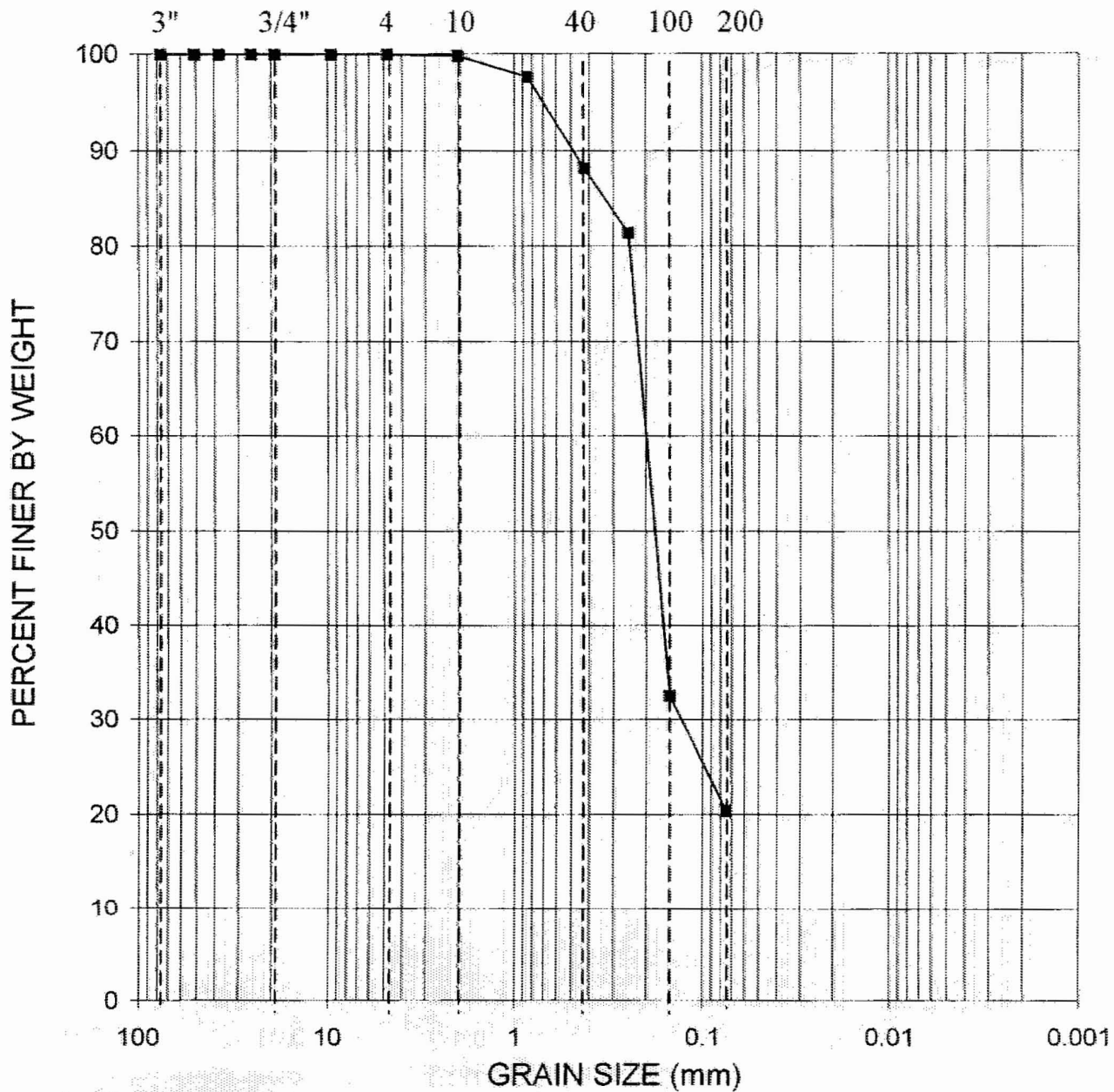
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

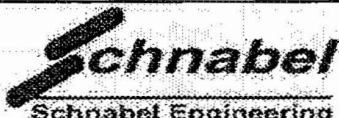
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/22/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-747	10.5	Poorly Graded SAND, with silt, light brown	SP-SM				

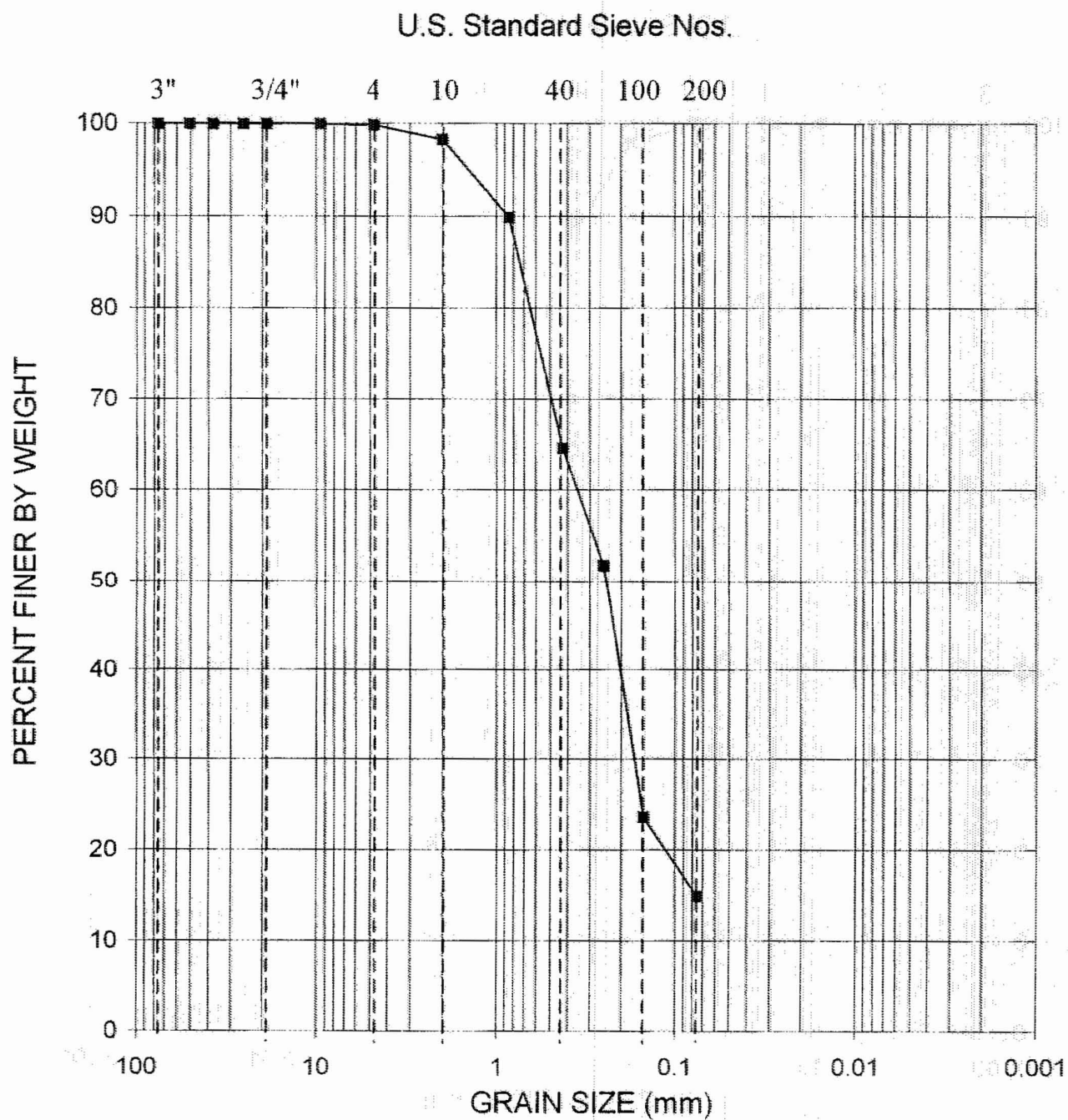
U.S. Standard Sieve Nos.



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				



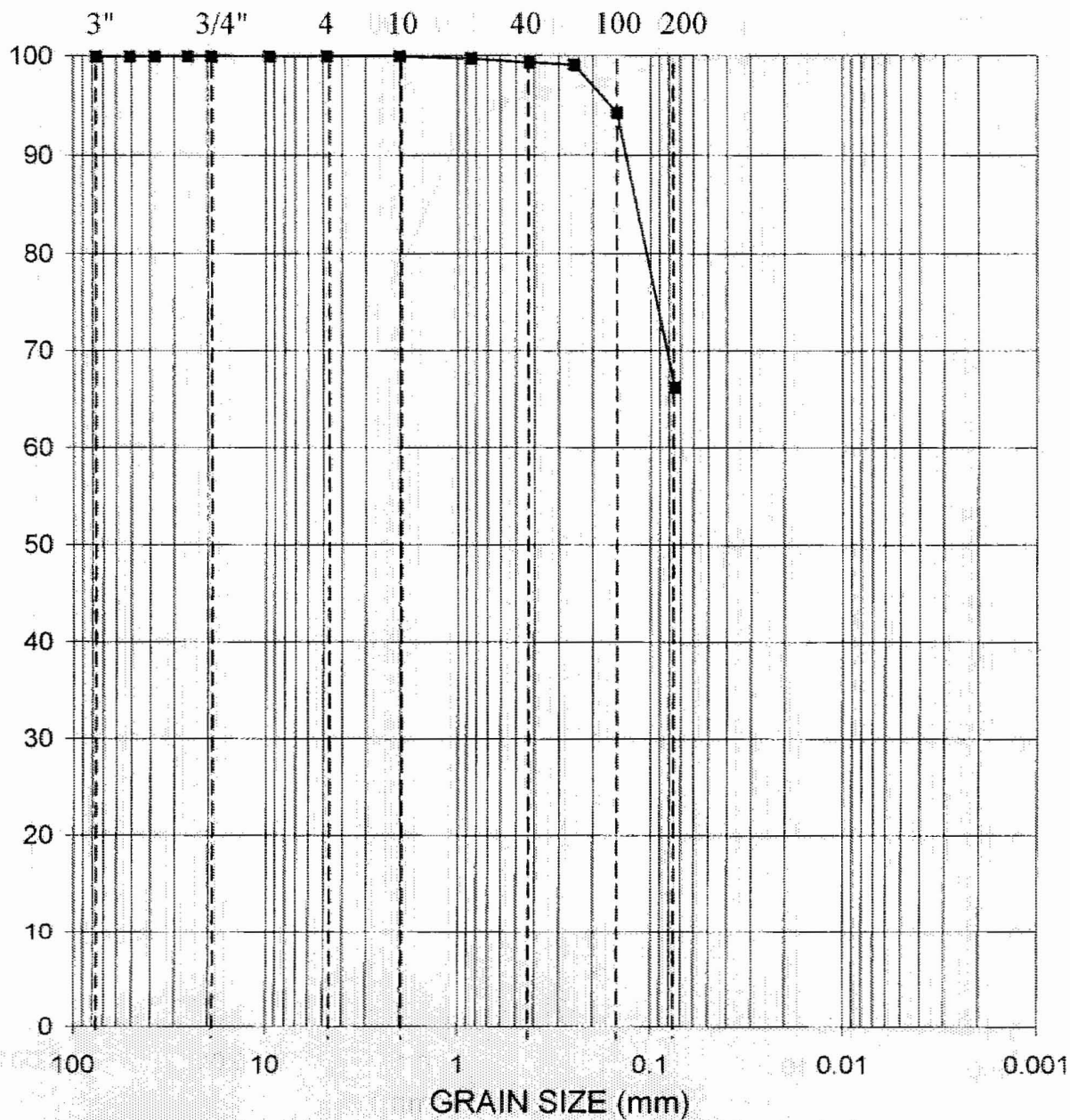
GRADATION CURVE

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

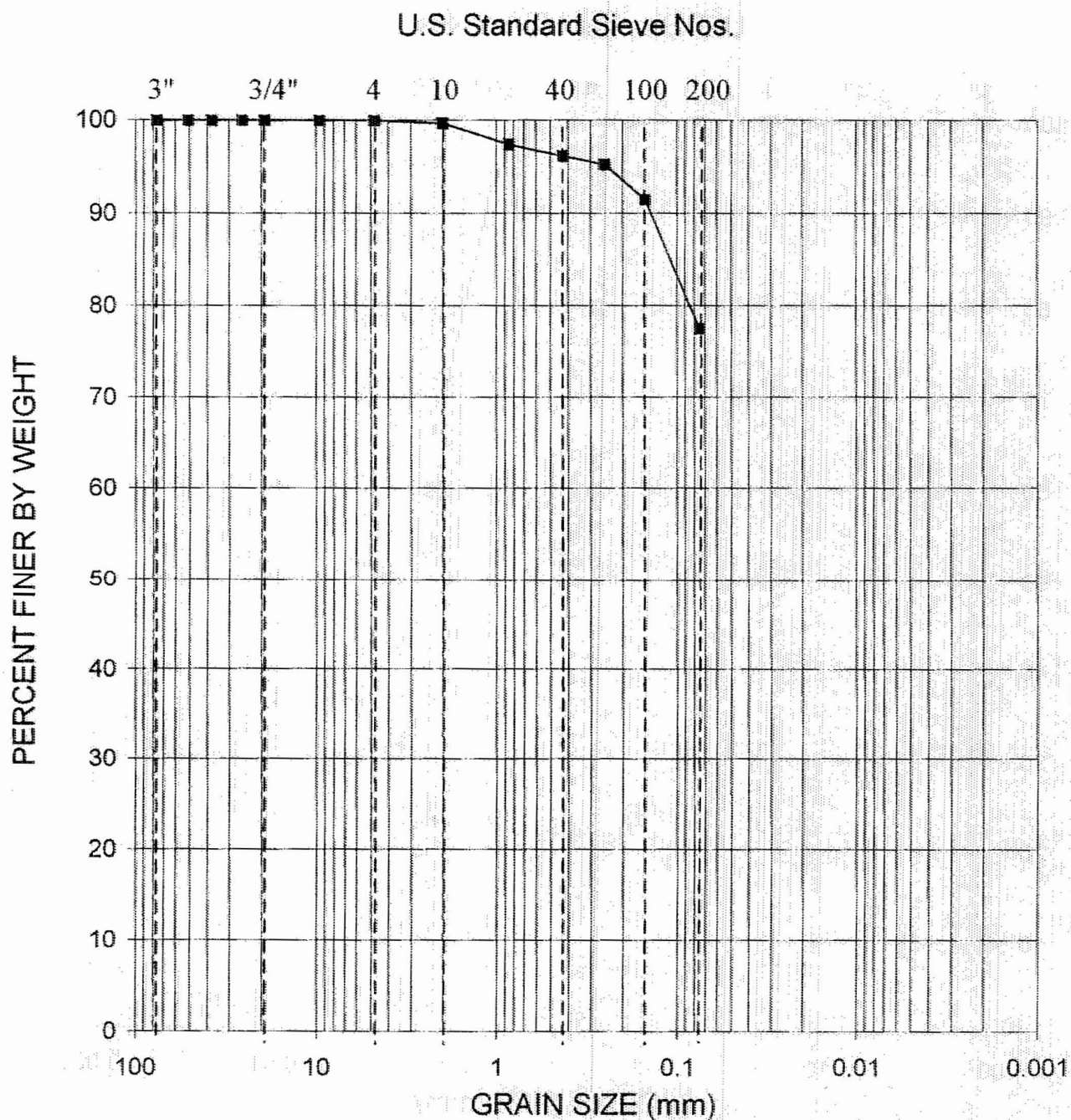
SAND

SILT OR CLAY

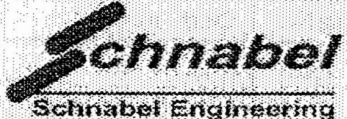
GRADATION CURVE

ASTM D422

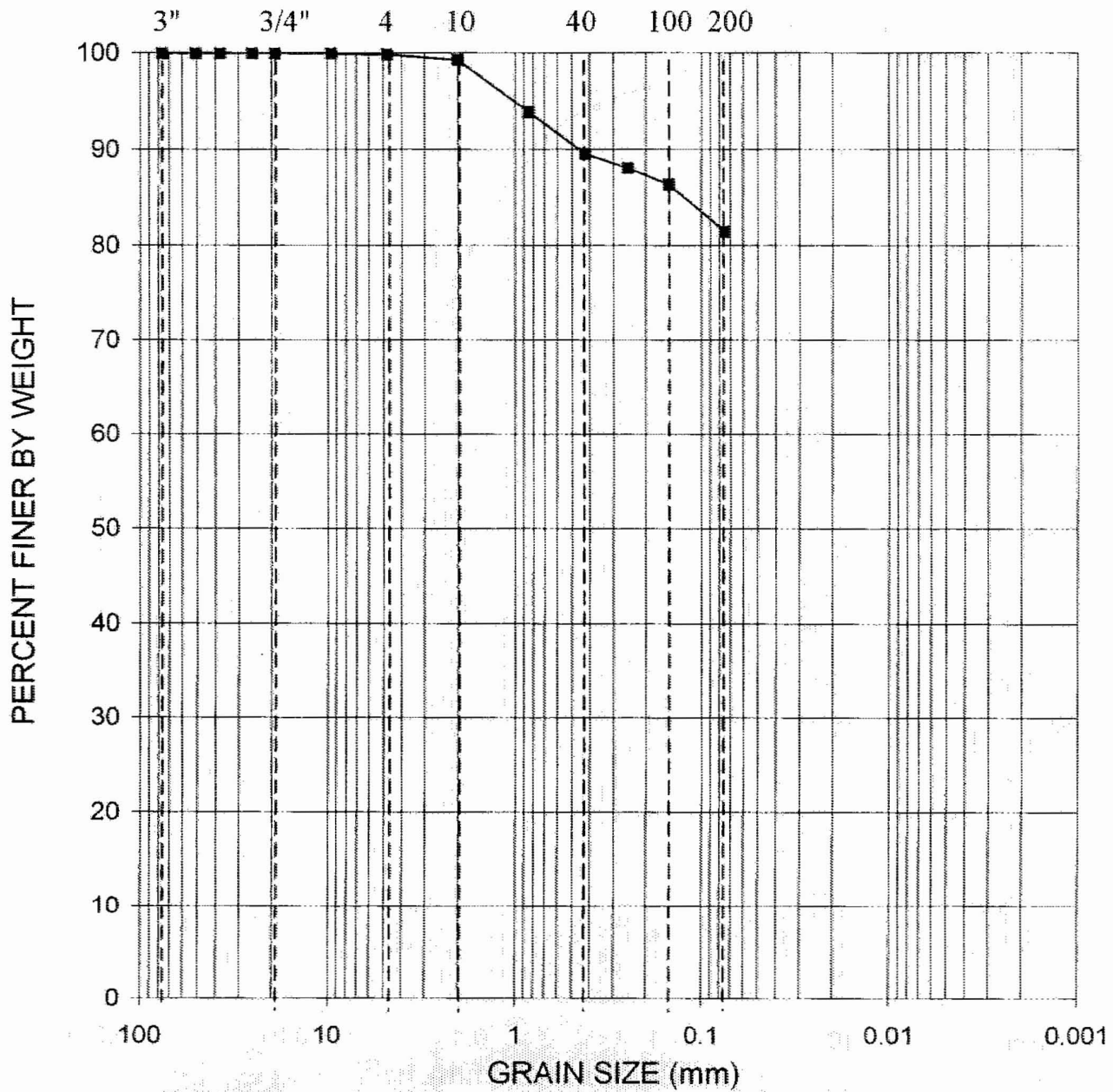
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-747	23.5	Sandy SILT, gray	ML				



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

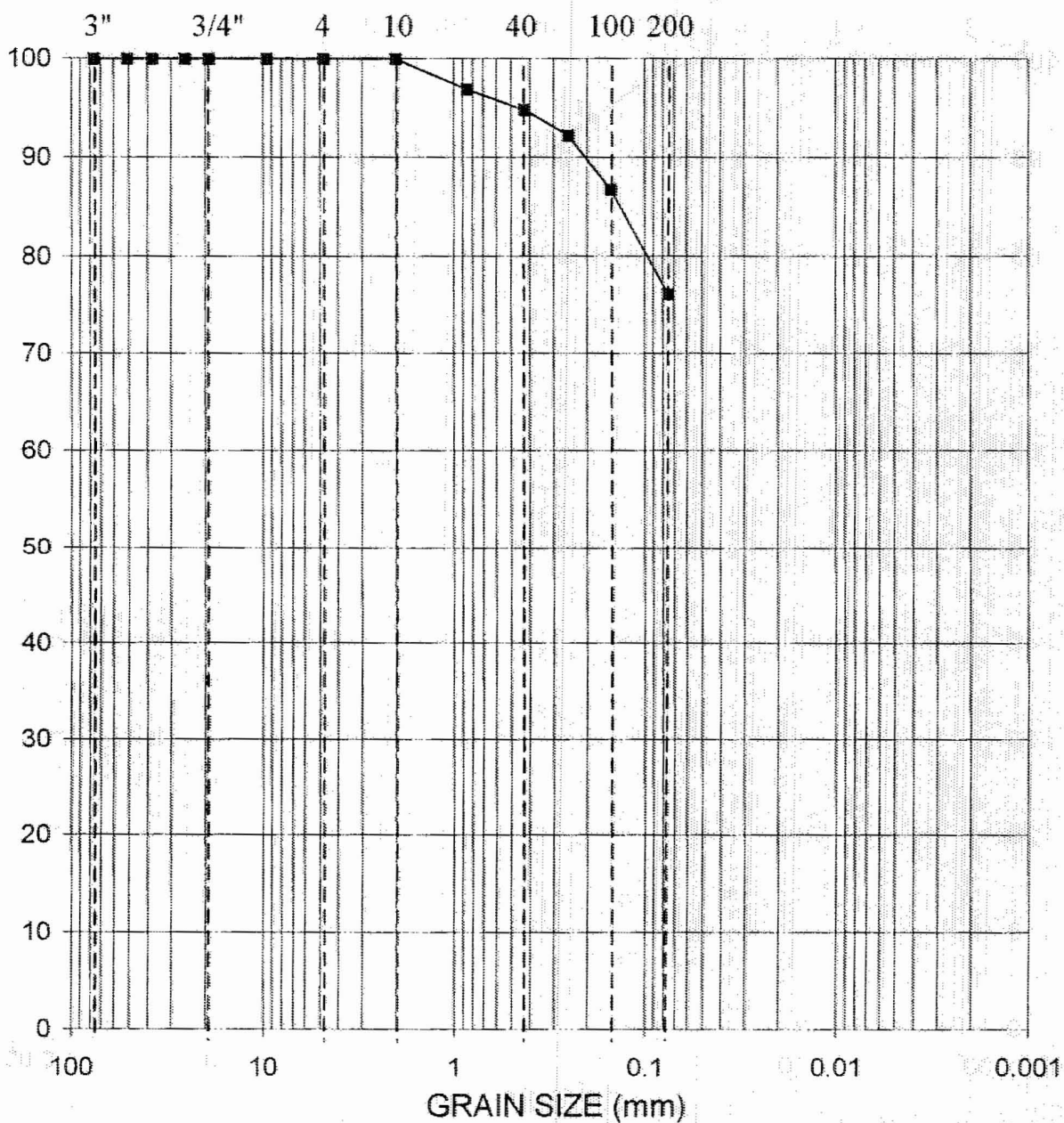
GRADATION CURVE

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

Location: Calvert County, MD

Project No: GTX-6880

Boring ID: B-747

Sample Type: tube

Tested By: sam

Sample ID: S-15

Test Date: 09/29/06

Checked By: mcm

Depth: 58.5-60 ft

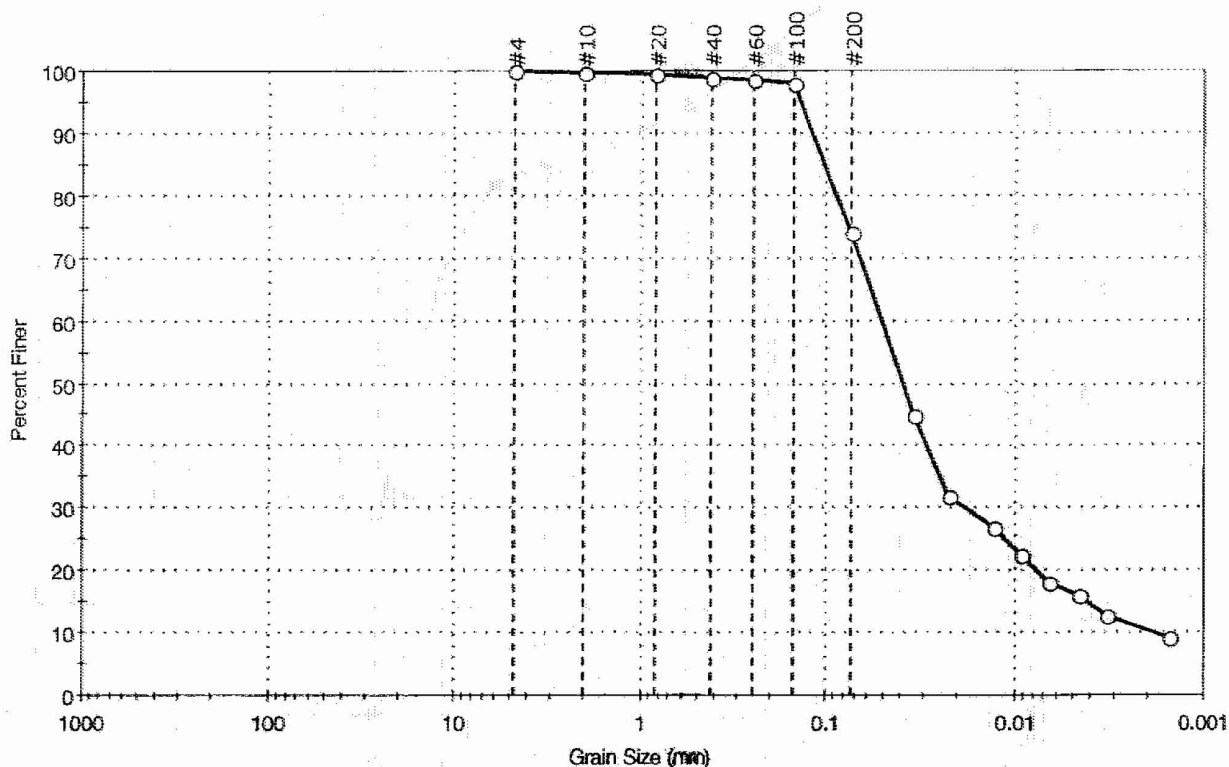
Test ID: 99170

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	0.85	99		
#40	0.425	99		
#60	0.25	99		
#100	0.15	98		
#200	0.075	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)

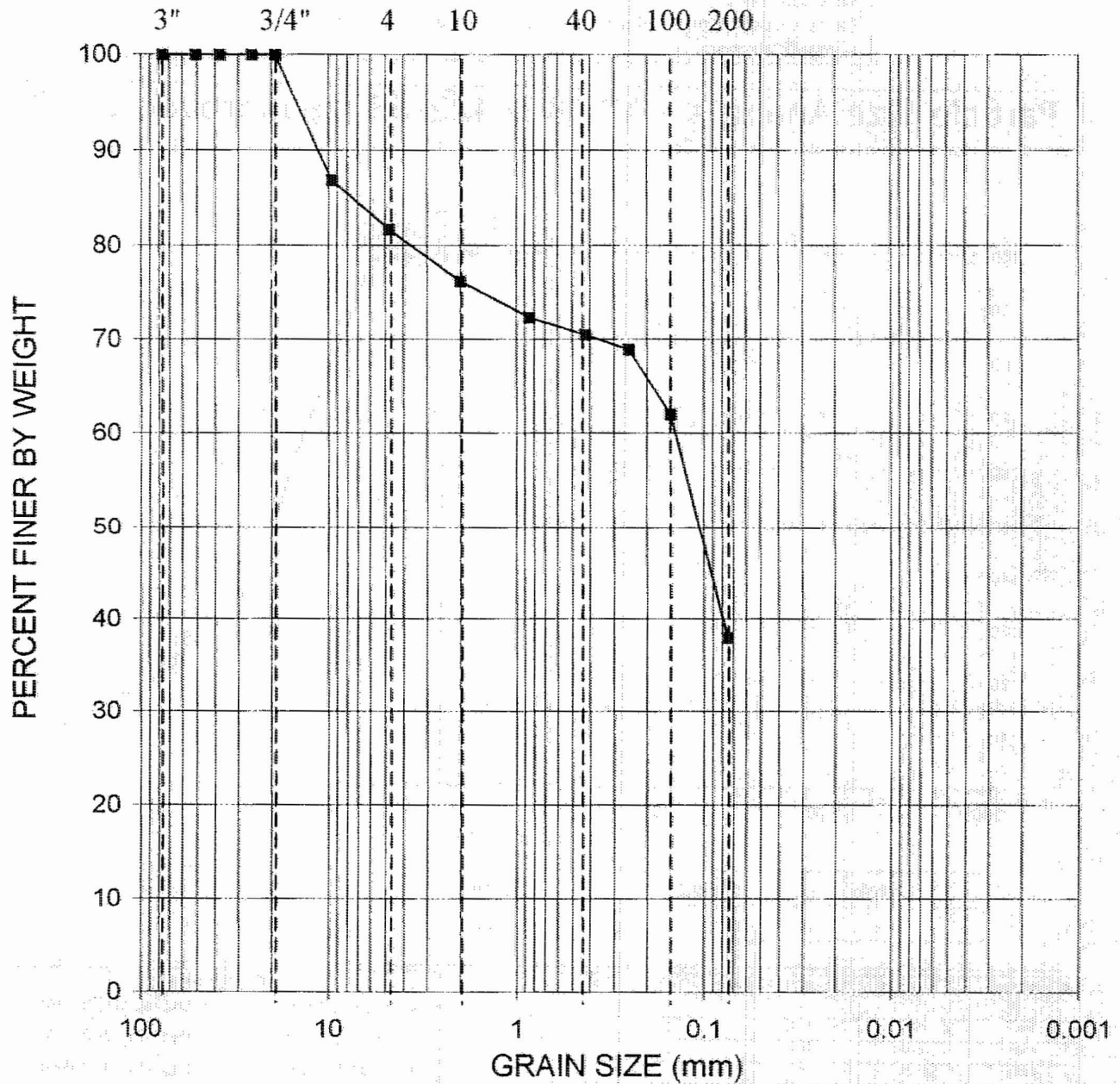
AASHTO Clayey Soils (A-7-6 (31))

Sample/Test Description

Sand/Gravel Particle Shape: ---

Sand/Gravel Hardness: ---

U.S. Standard Sieve Nos.



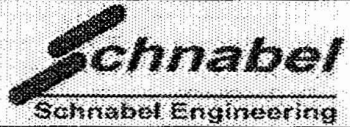
GRAVEL

SAND

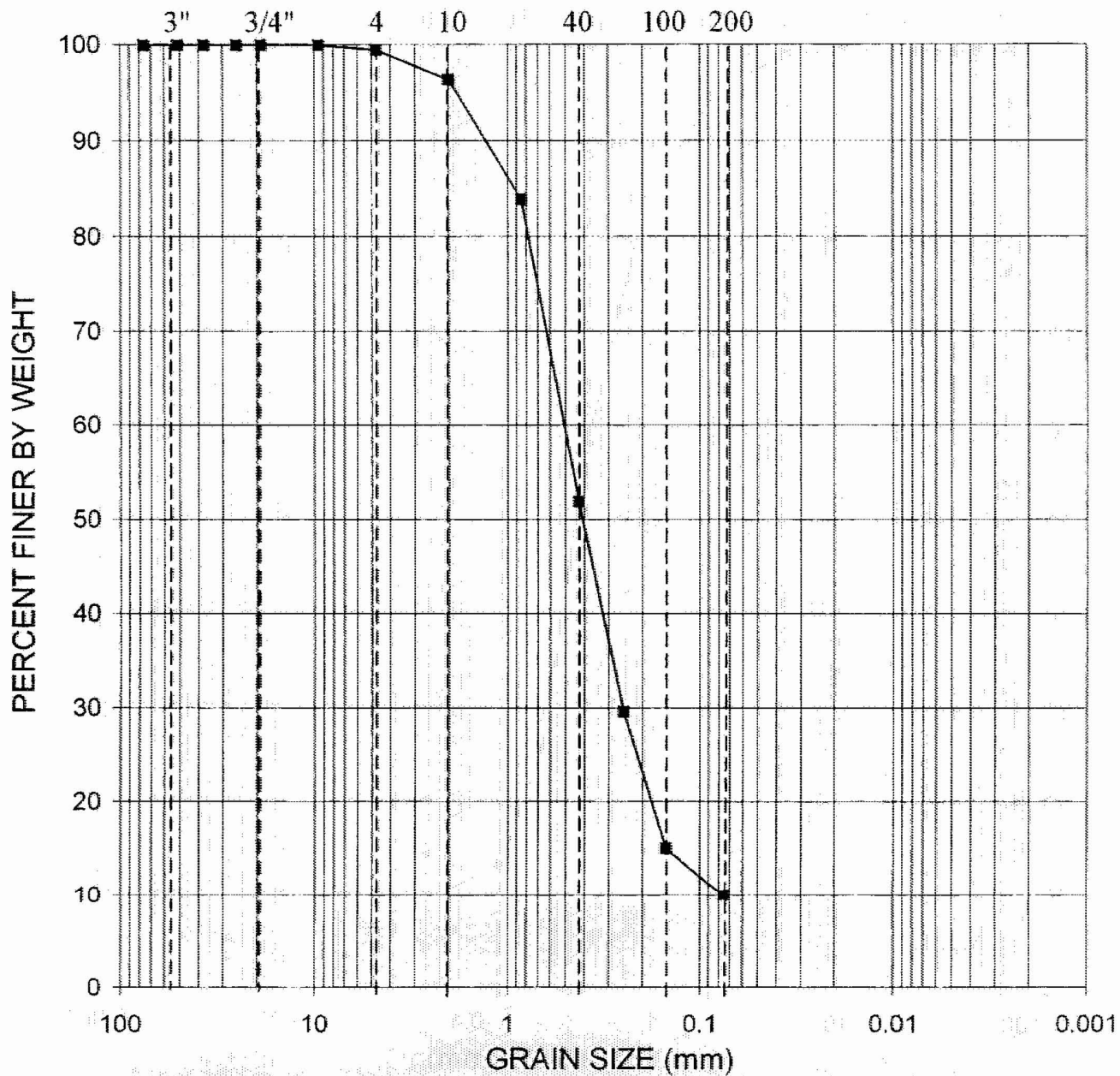
SILT OR CLAY

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

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				