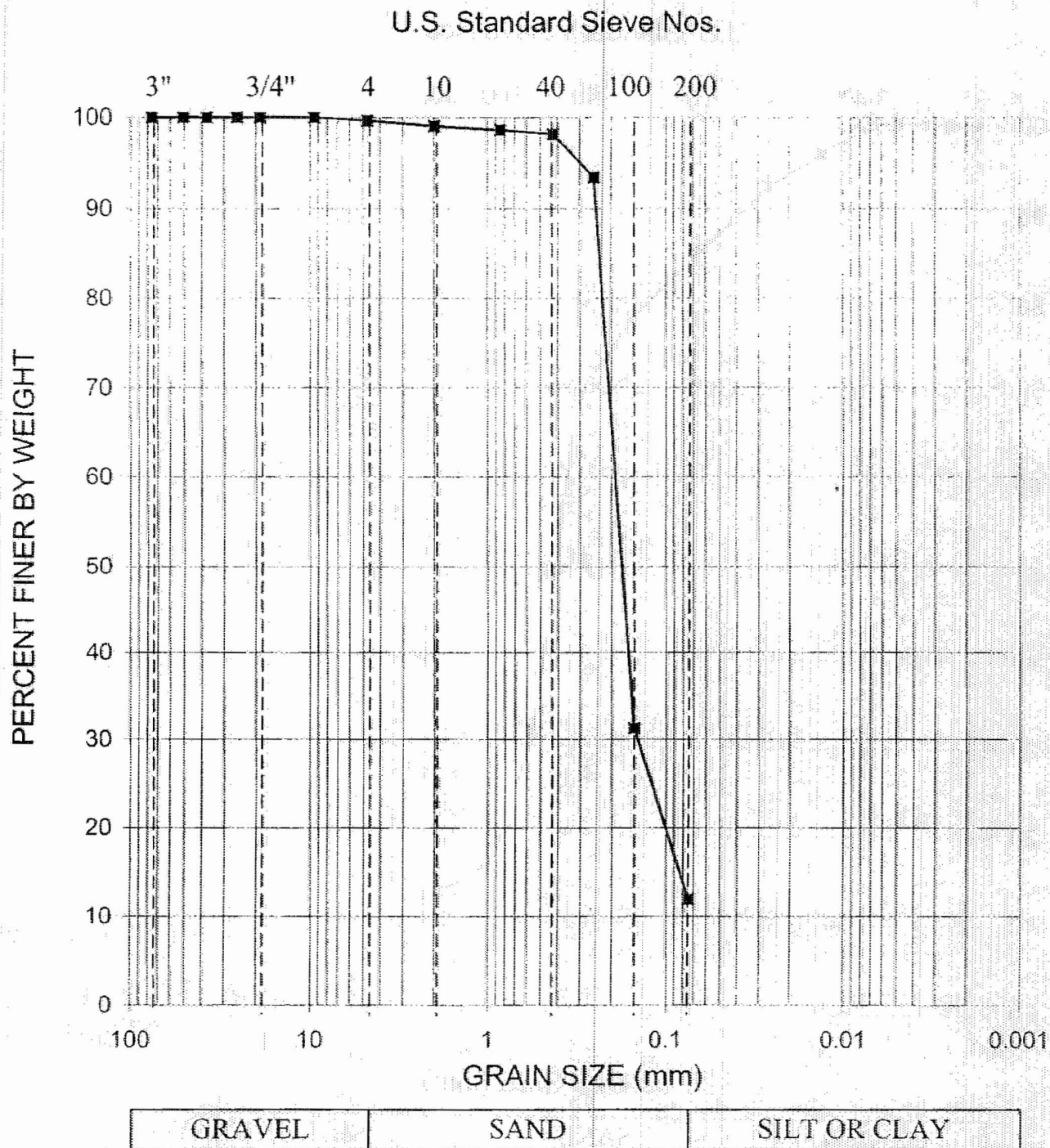
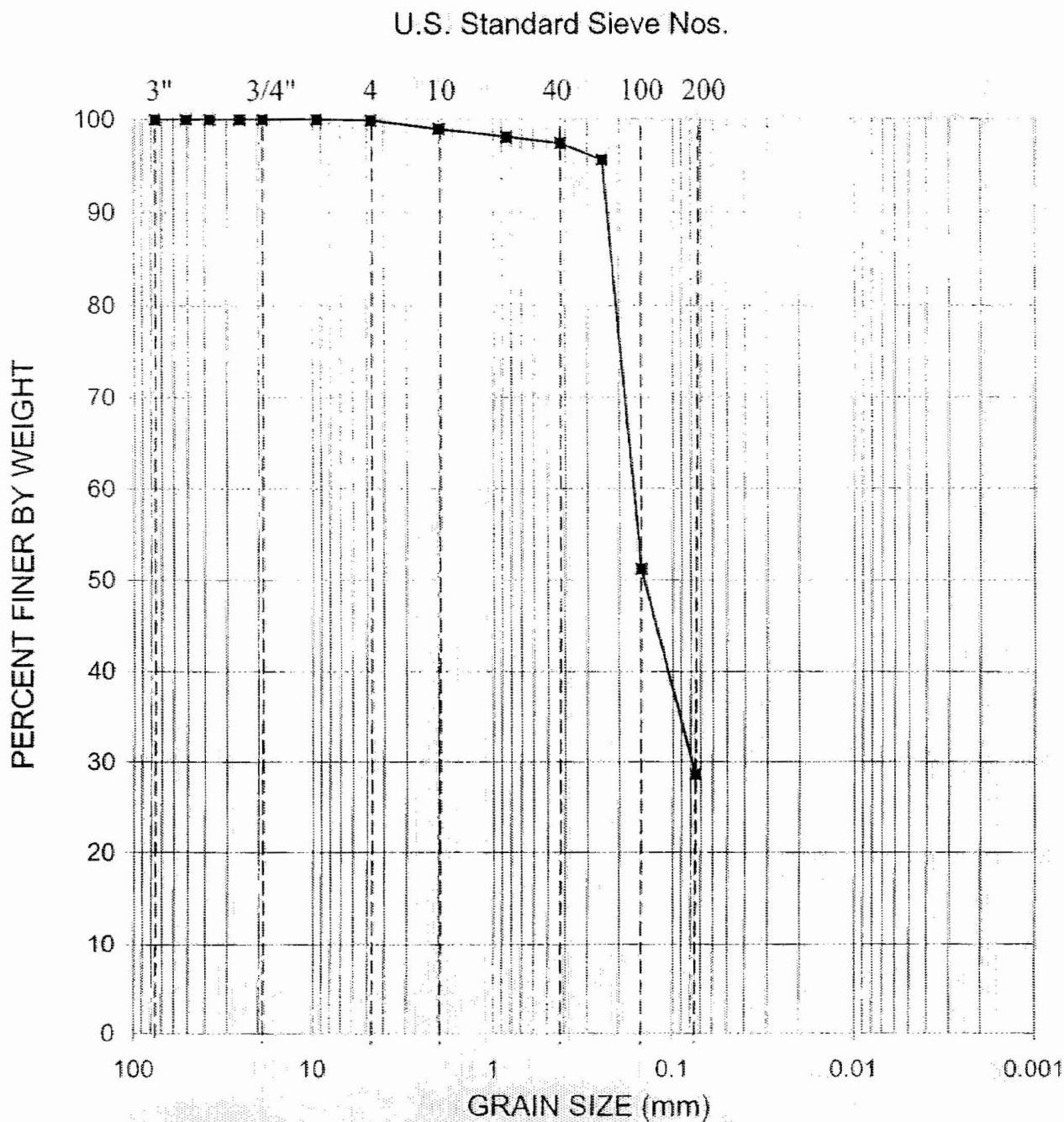




GRADATION CURVE

ASTM D422

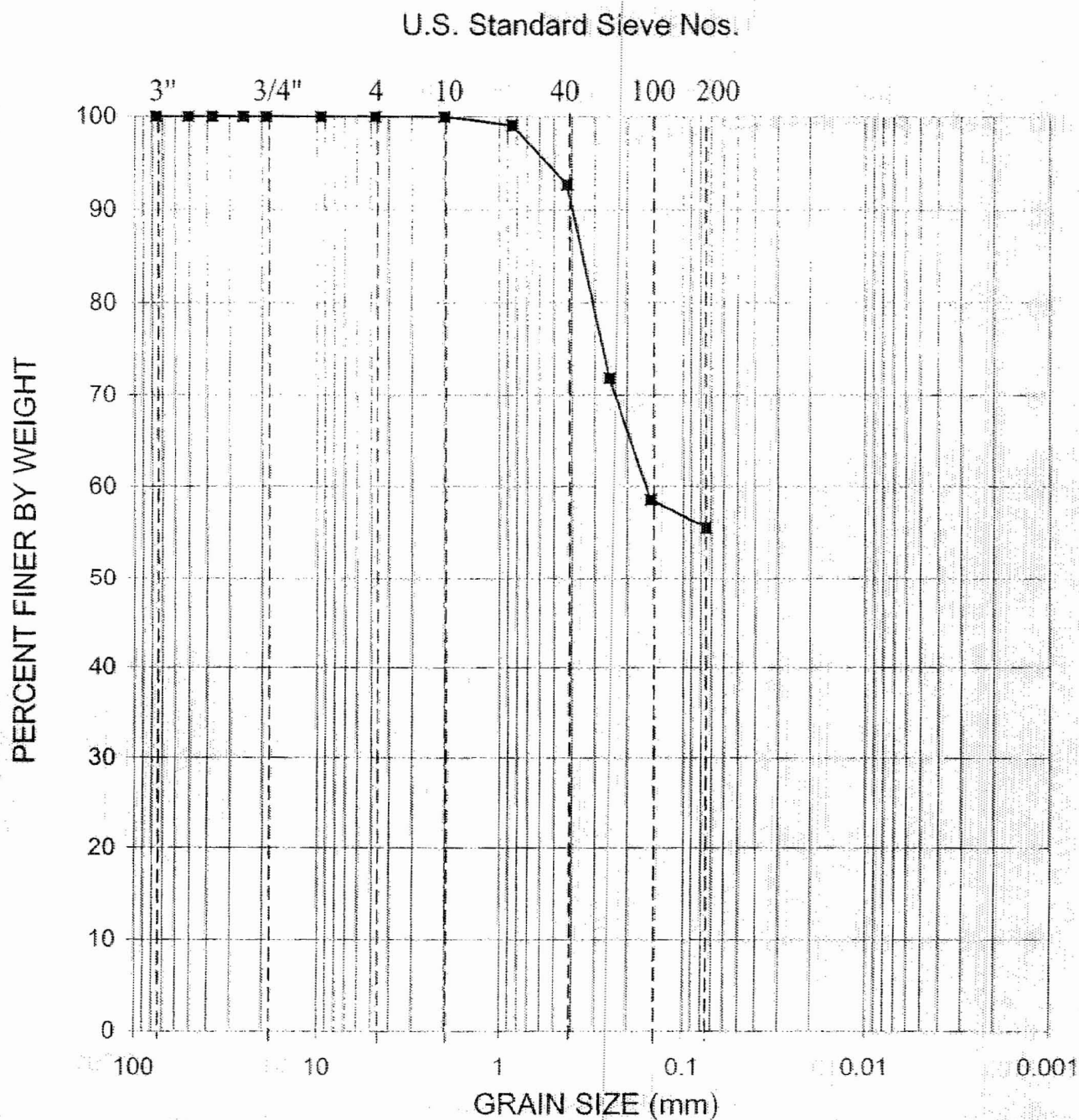
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	8/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
B-315	63.5	Poorly Graded SAND, with silt, trace shells, dark green	SP-SM	NP	NP			



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:	8/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-315	83.5	Silty SAND, contains shells, green	SM	NP	NP		



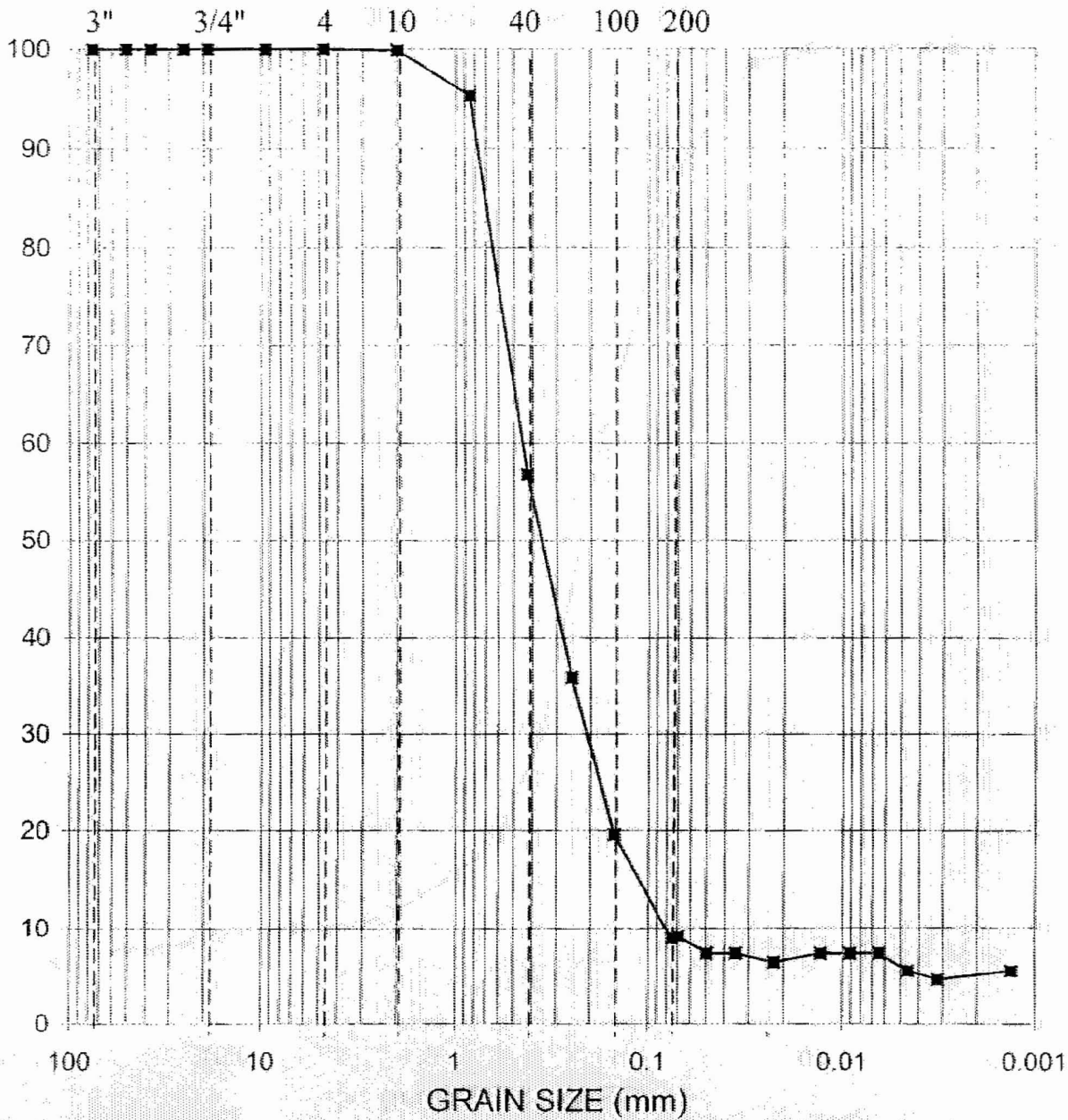
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/21/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-316	7.5	Sandy LEAN CLAY, brown	CL				

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT



GRAVEL

SAND

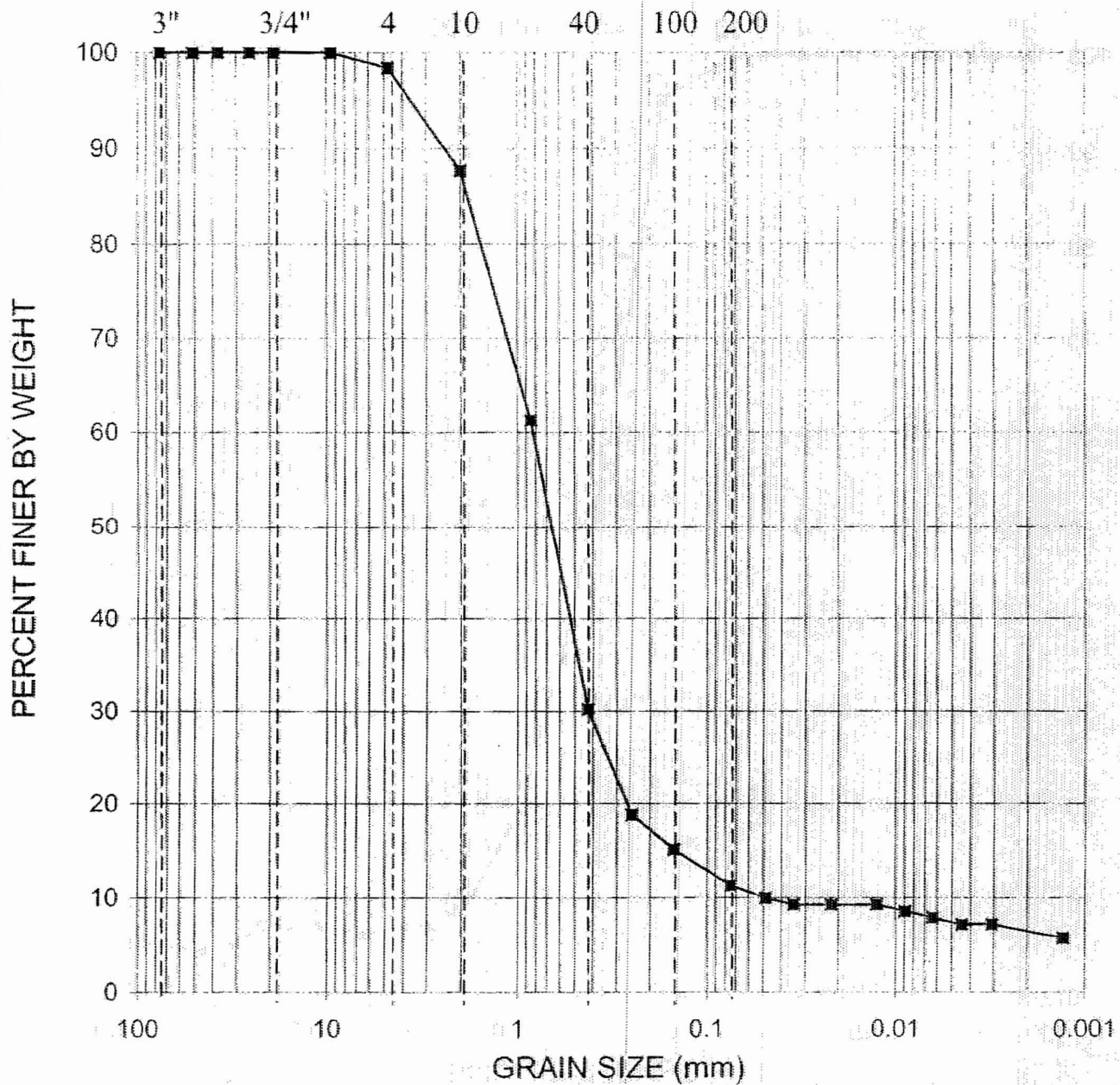
SILT OR CLAY

GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06)20048.00	Date:	8/25/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-316	23.5	Poorly Graded SAND, with silt, tan	SP-SM	NP	NP		

U.S. Standard Sieve Nos.



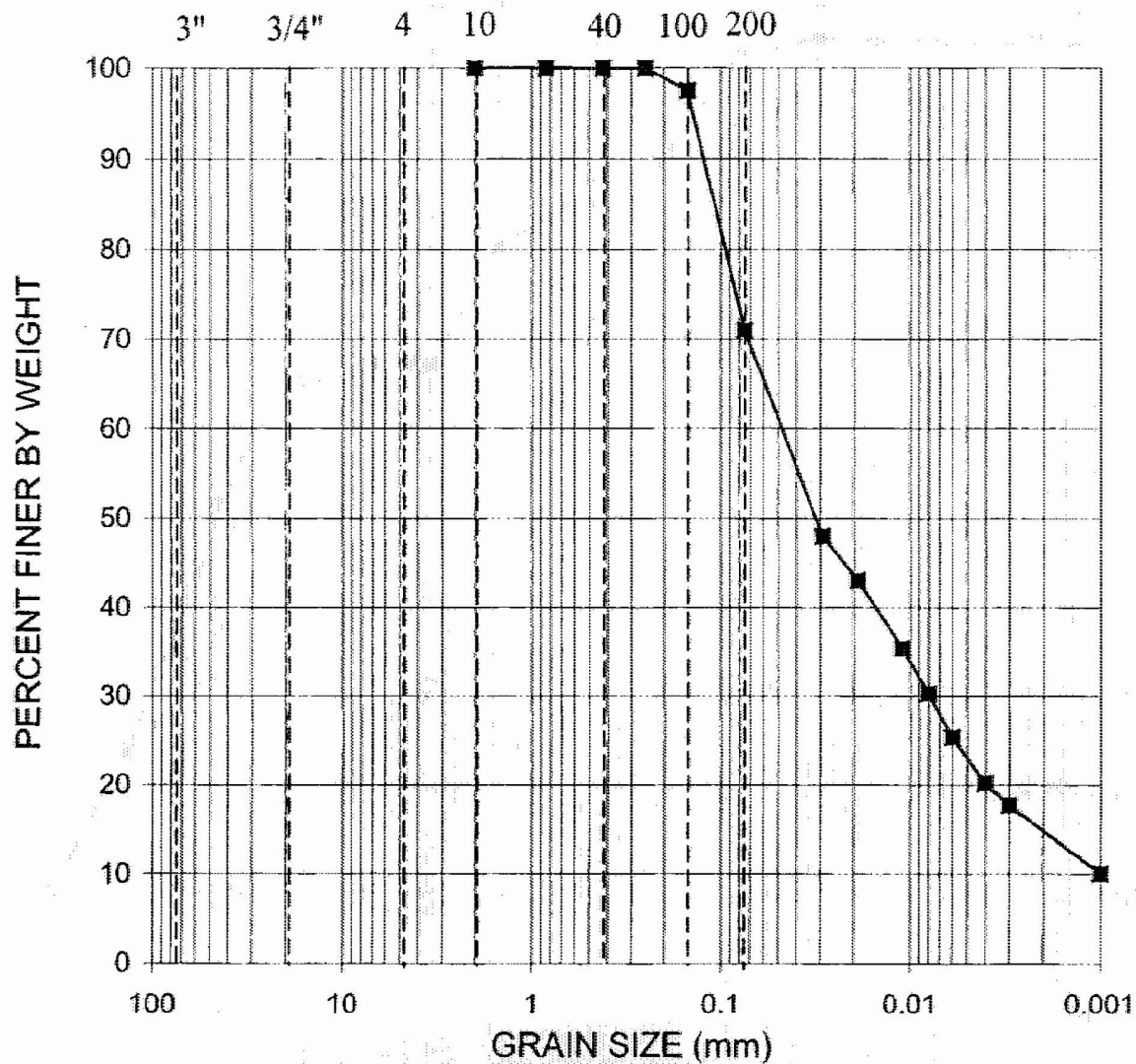
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/18/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-316	33.5	Poorly Graded SAND, with silt, trace gravel, light brown	SP-SM	43	26		

U.S. Standard Sieve Nos.



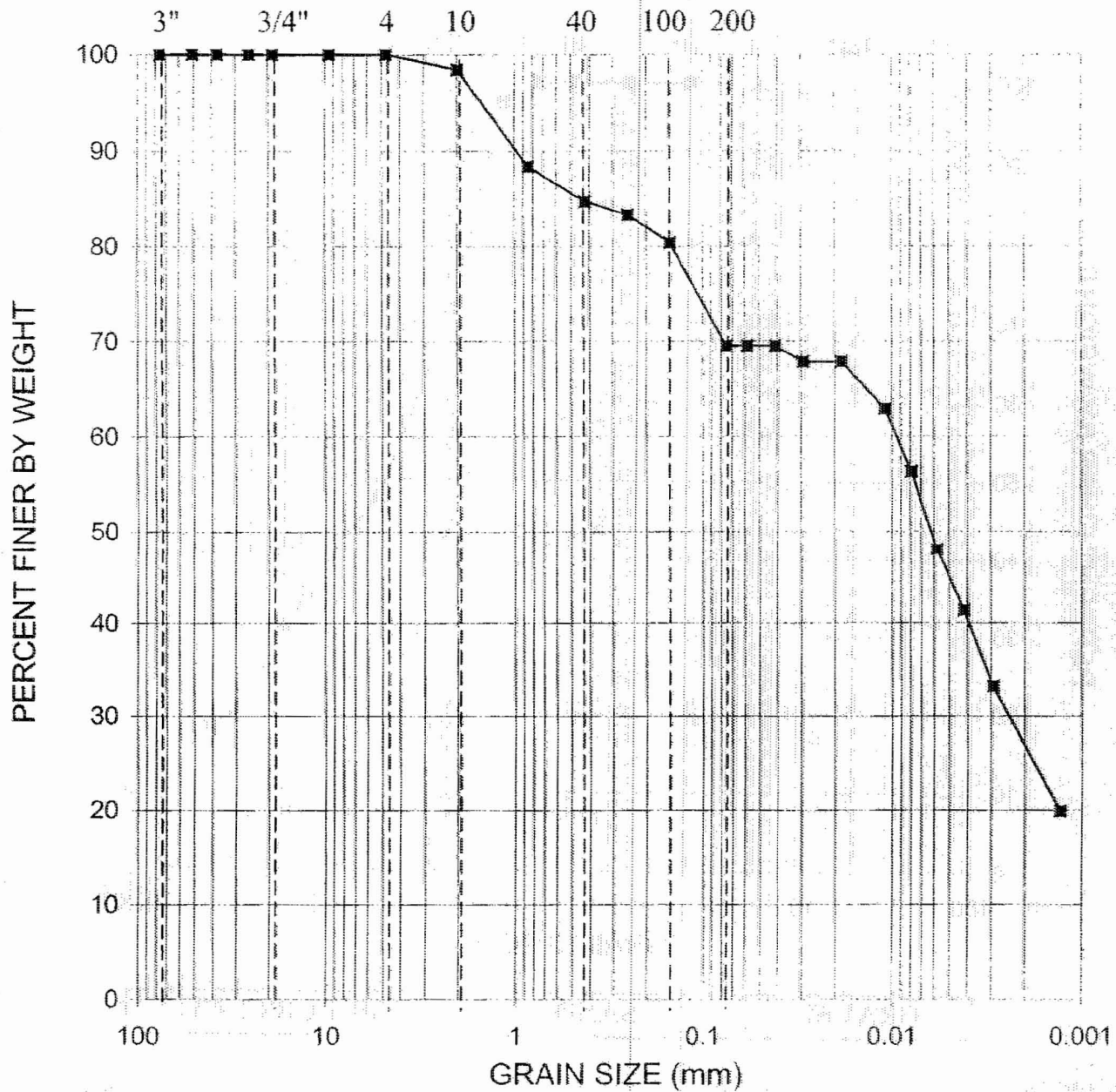
GRAVEL

SAND

SILT OR CLAY

Key	Sample	Depth(ft.)	Sample Description	Class	LL	PI	 GRADATION CURVES
■	B-316	43.5-45.5	LEAN CLAY with sand - gray	CL	44	28	
▲							Project: Calvert Cliffs Nuclear Power Plant
●							Contract No. 06120048 Date: 10/26/06 Method: ASTM D422

U.S. Standard Sieve Nos.



GRADATION CURVE

ASTM D422

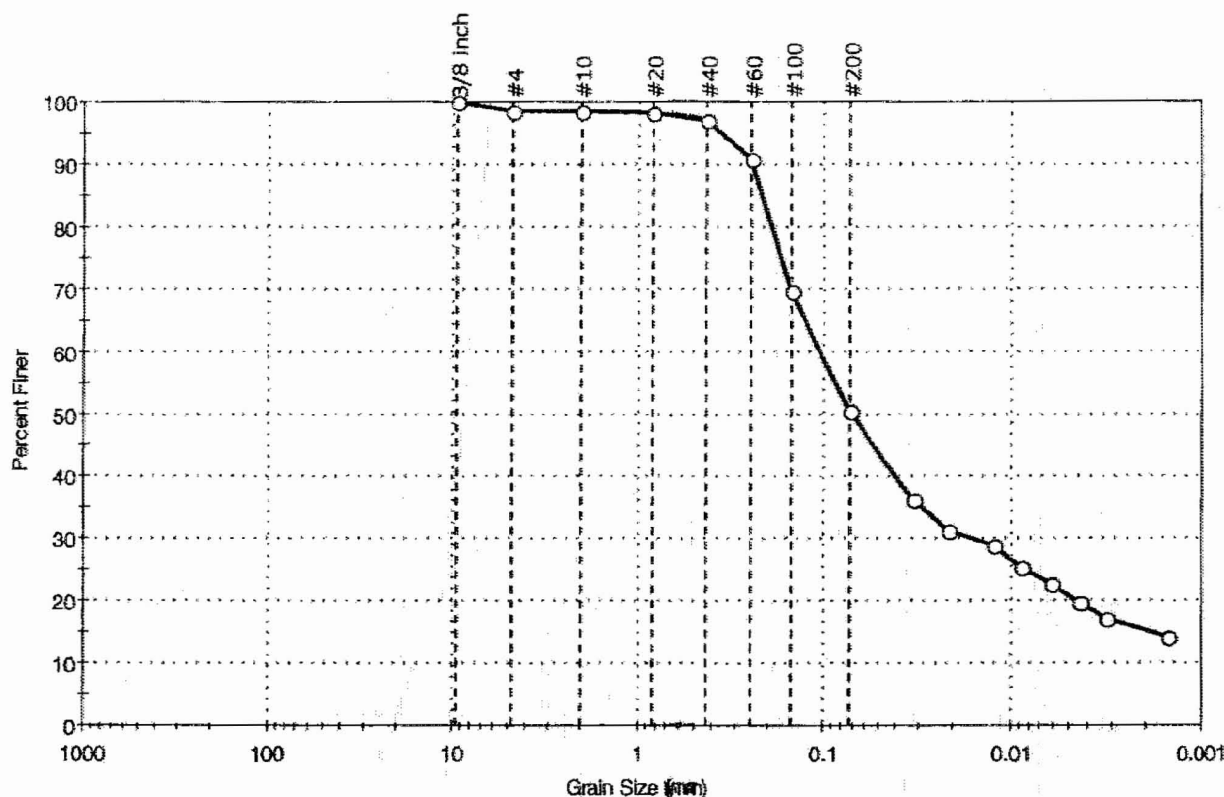
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	8/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
B-316	48.5	Sandy ELASTIC SILT, gray	MH					

GeoTesting express

a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.	Project No:	GTX-6880
Project:	Subsurface Investigation Calvert Cliffs Nuclear PP	Tested By:	sam
Location:	Calvert County, MD	Checked By:	mcm
Boring ID:	B-316	Sample Type:	tube
Sample ID:	S-14	Test Date:	10/19/06
Depth:	53.5-55.5 ft	Test Id:	101127
Test Comment:	---		
Sample Description:	Moist, dark olive gray sandy clay		
Sample Comment:	---		

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



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	1.3	48.3	50.4

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
3/8 inch	9.5	100		
#4	4.75	99		
#10	2.0	99		
#20	0.85	98		
#40	0.42	97		
#60	0.25	93		
#100	0.15	70		
#200	0.075	50		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0328	36		
---	0.025	31		
---	0.0125	29		
---	0.0063	25		
---	0.0032	23		
---	0.0015	20		
---	0.00075	17		
---	0.000375	14		

Coefficients

D ₈₅ = 0.2165 mm	D ₃₀ = 0.0156 mm
D ₆₀ = 0.1052 mm	D ₁₅ = 0.0019 mm
D ₅₀ = 0.0724 mm	D ₁₀ = 0.0005 mm
C _u = N/A	C _c = N/A

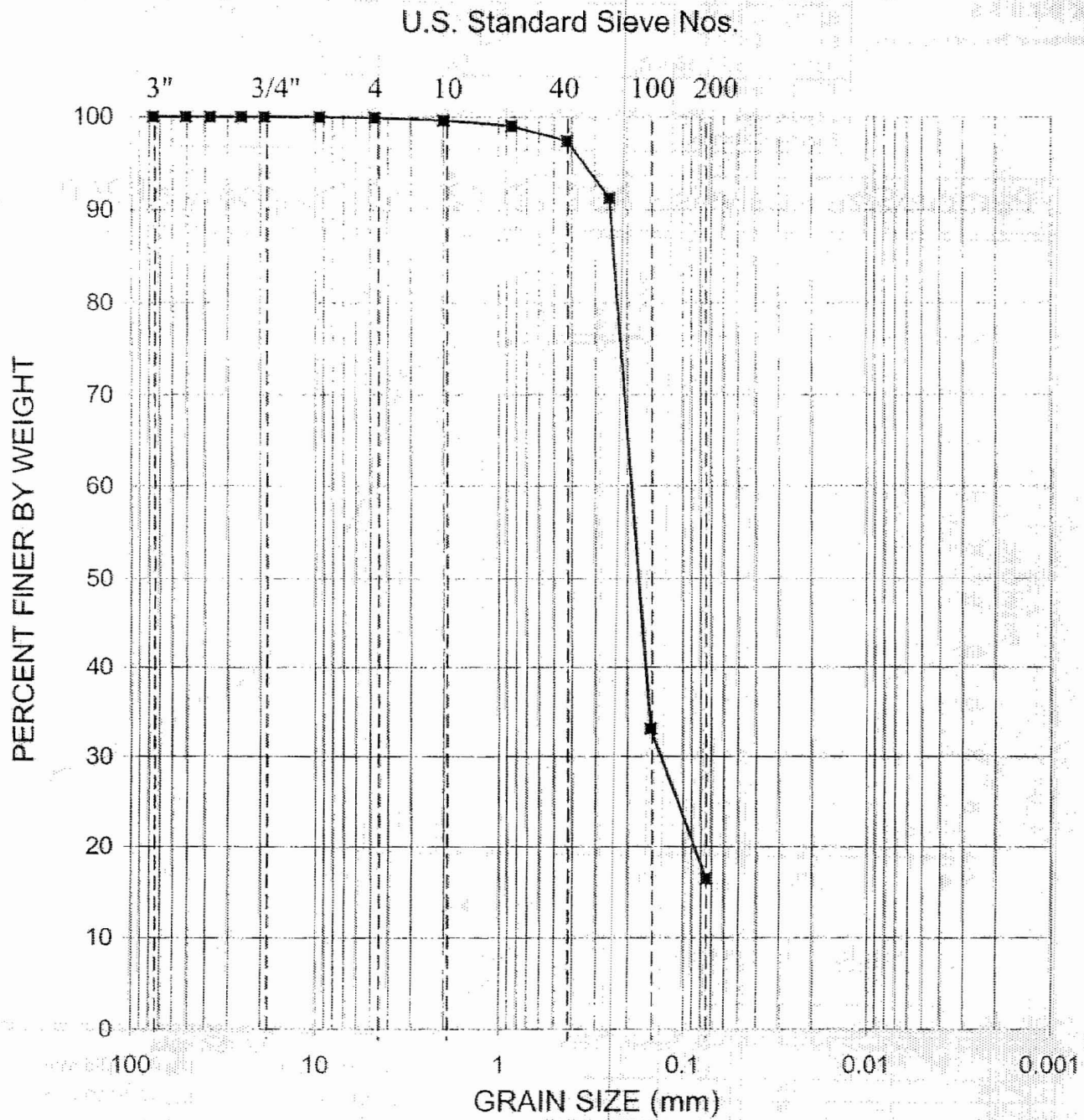
Classification

ASTM Sandy lean clay (CL)

AASHTO Clayey Soils (A-6 (8))

Sample/Test Description

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



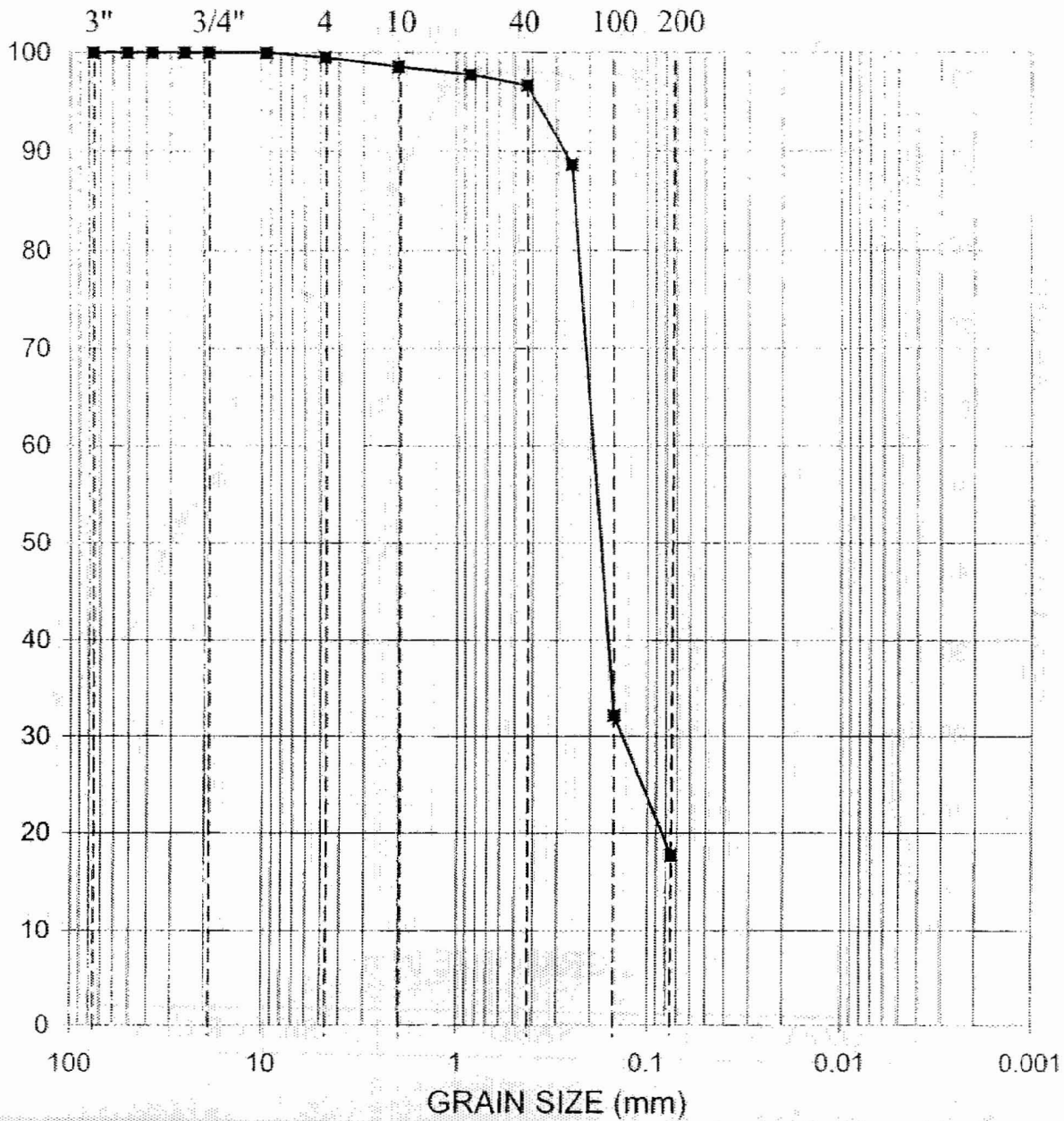
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/21/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-316	68.5	Silty SAND, contains shells, dark green	SM				

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT



GRAVEL

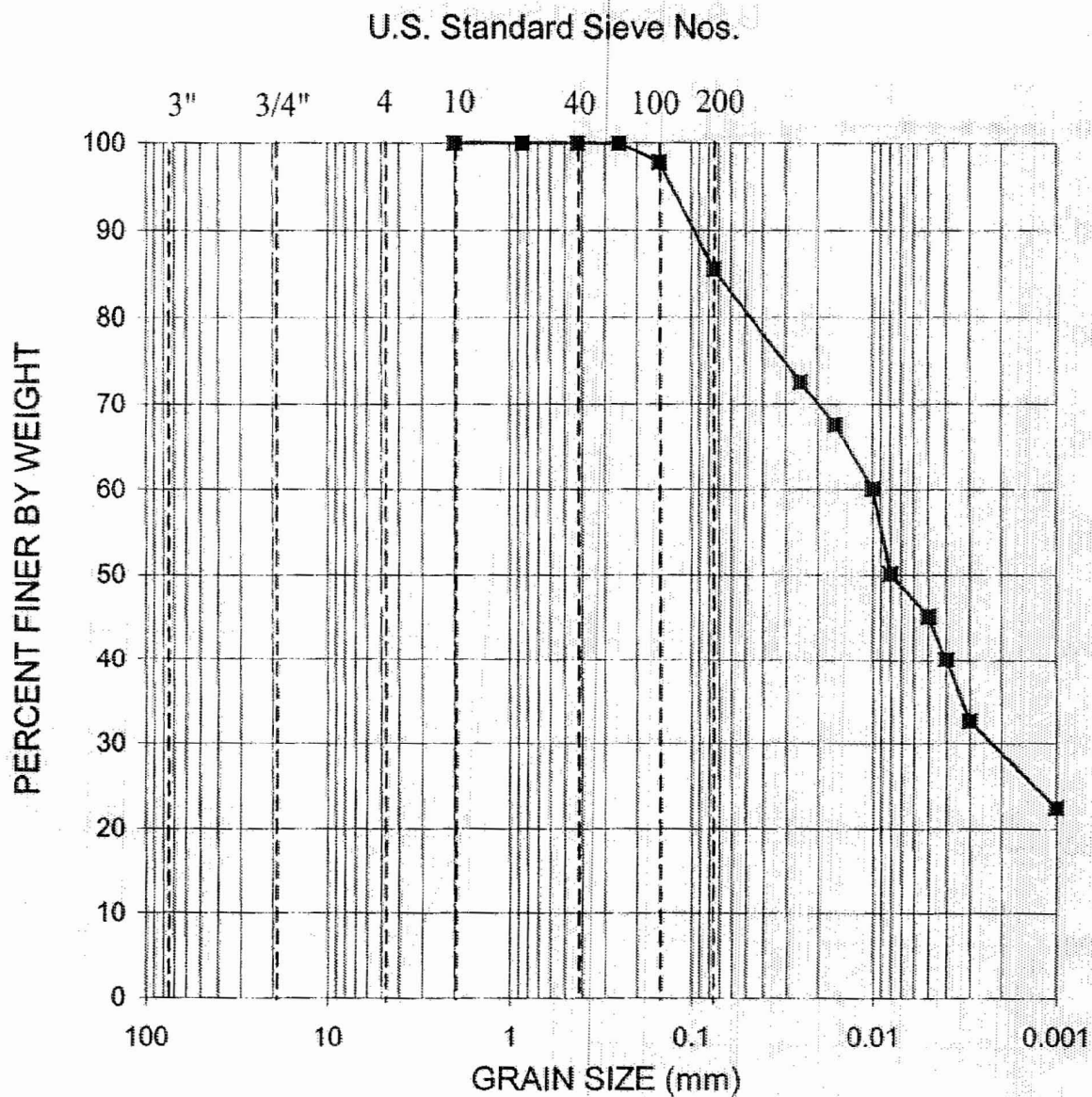
SAND

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: 8/21/2006	
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
B-316	93.5	Clayey SAND, contains shells, dark gray	SC					



Key	Sample	Depth(ft.)	Sample Description	Class	LL	PI	 Schnabel Engineering GRADATION CURVES
■	B-317	28.5-30.5	LEAN CLAY, trace sand - gray	CL	27	8	
▲							Project: Calvert Cliffs Nuclear Power Plant
●							Contract No. 06120048 Date: 10/06/06 Method: ASTM D422

PERCENT FINER BY WEIGHT

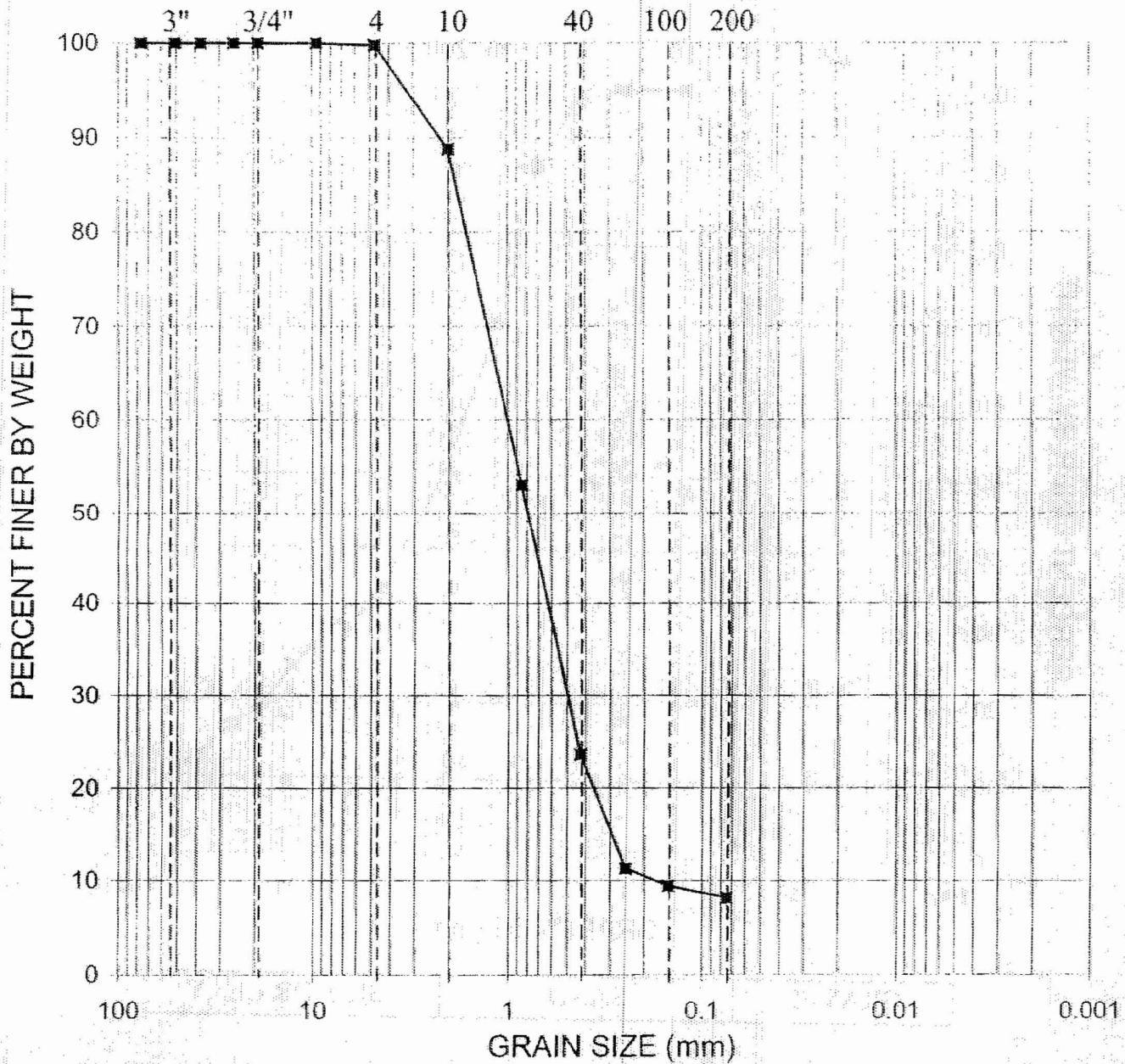


SAND

SILT OR CLAY

Key	Sample	Depth(ft.)	Sample Description	Class.	LL	PI	 Schnabel Engineering GRADATION CURVES
■	B-317	48.5-50.3	Sandy LEAN CLAY - gray	CL	35	18	
▲							Project: Calvert Cliffs Nuclear Power Plant
●							Contract No. 06120048
							Date: 10/06/06 Method: ASTM D422

U.S. Standard Sieve Nos.



GRAVEL

SAND

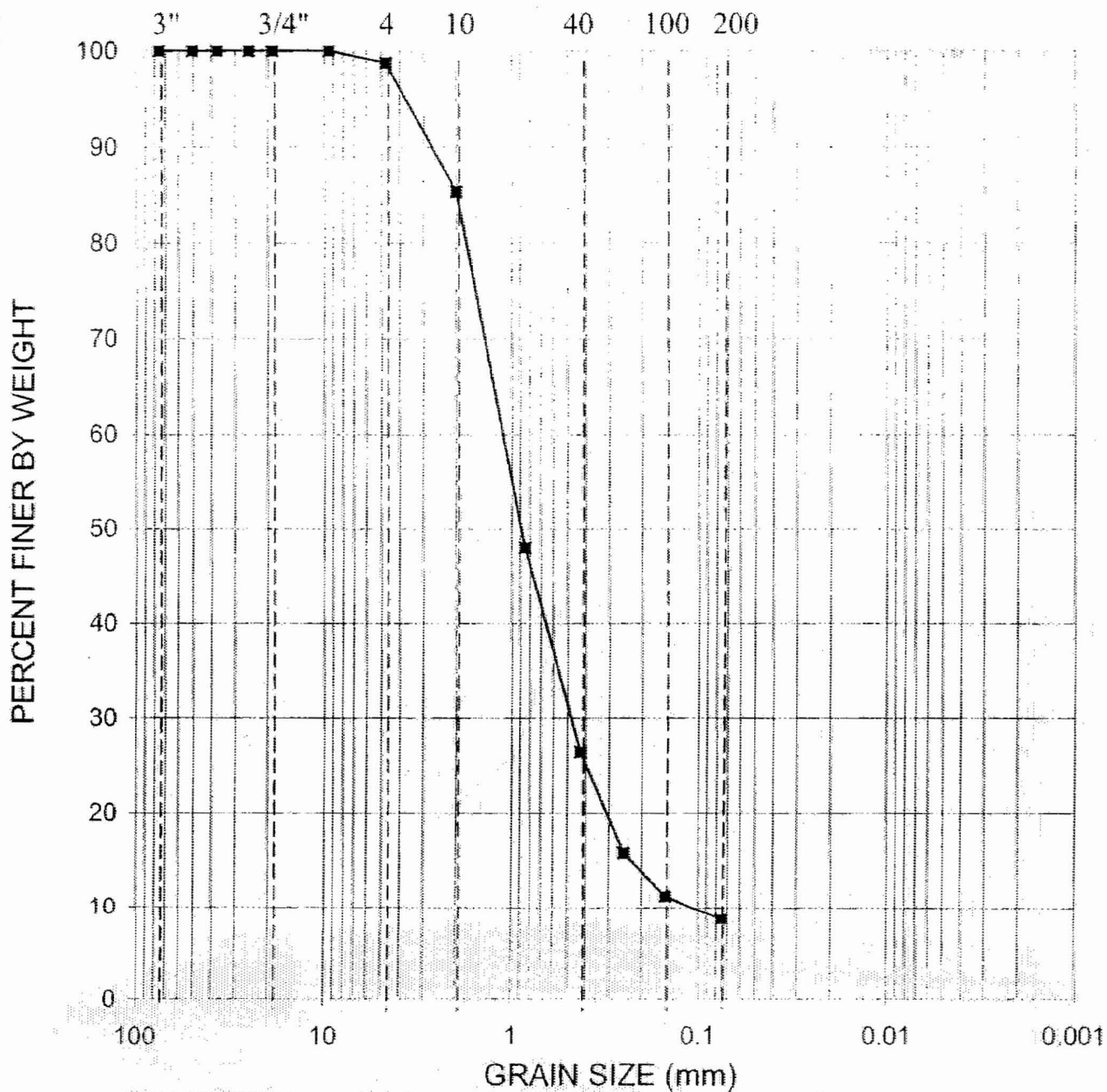
SILT OR CLAY

GRADATION CURVE

ASTM D422

Project:		Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.: 06120048.00		Date: 8/21/2006	
Boring No.	Depth (ft)	Sample Description			Class.	LL	P1	
B-319	2.5	Poorly Graded SAND with silt, 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:	8/21/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-319	13.5	Poorly Graded SAND with silt, trace gravel, brown	SP-SM				