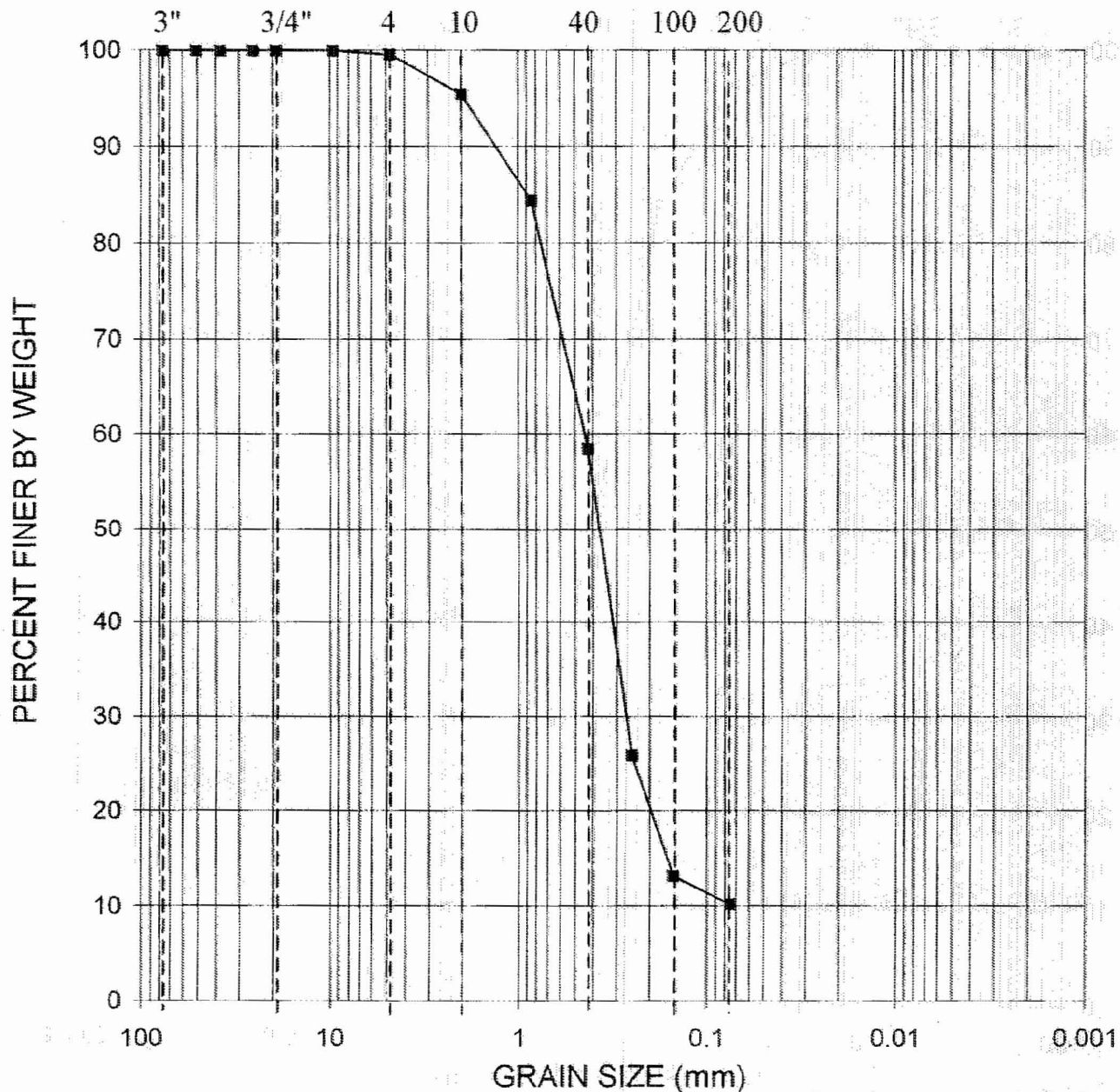


U.S. Standard Sieve Nos.

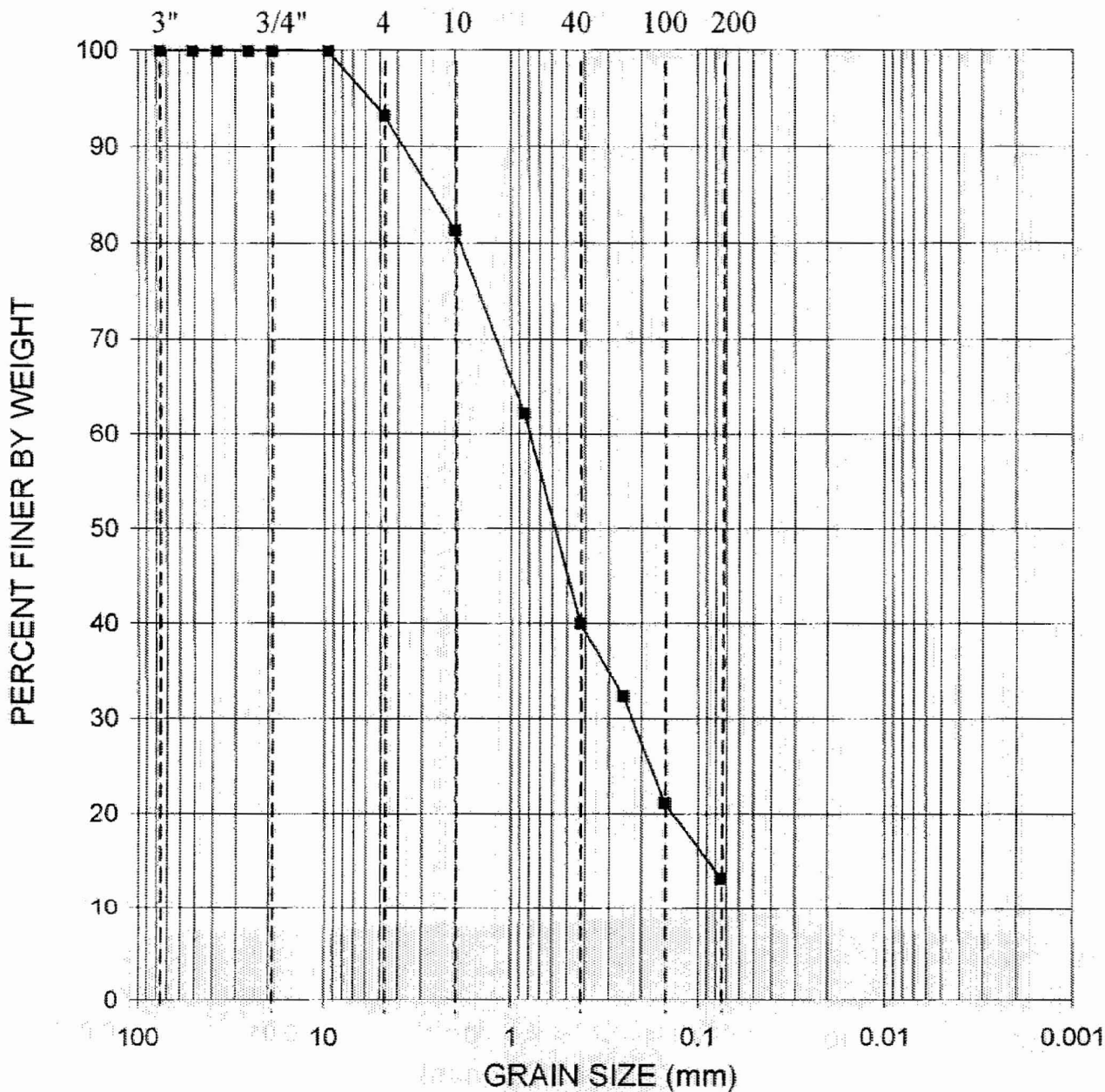


GRAVEL	SAND	SILT OR CLAY
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**GRADATION CURVE**  
ASTM D422

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

U.S. Standard Sieve Nos.

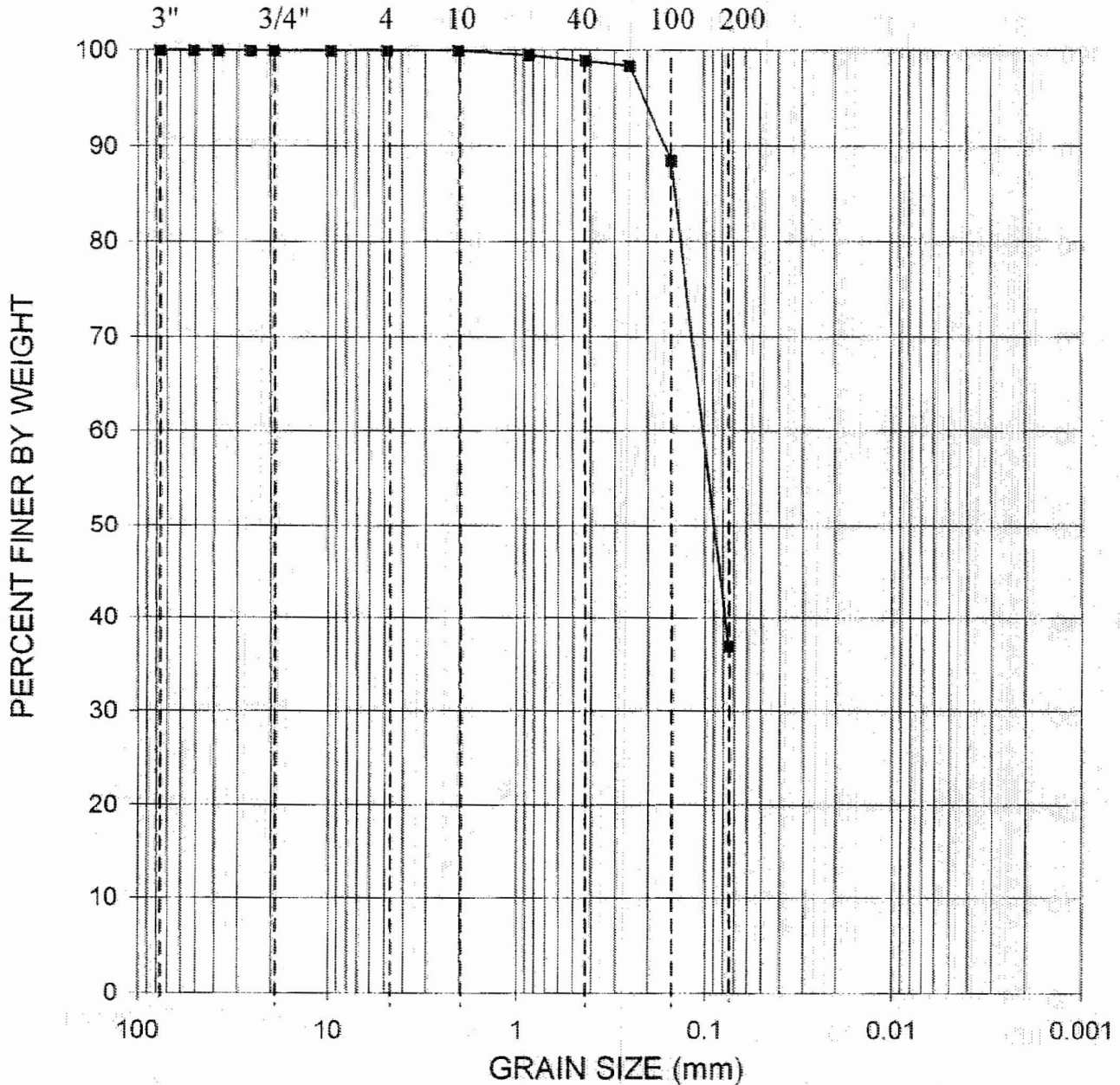


GRAVEL	SAND	SILT OR CLAY
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**GRADATION CURVE**  
ASTM D422

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	18.5	Well Graded SAND, with silt, trace gravel, yellow-orange	SW-SM				

U.S. Standard Sieve Nos.



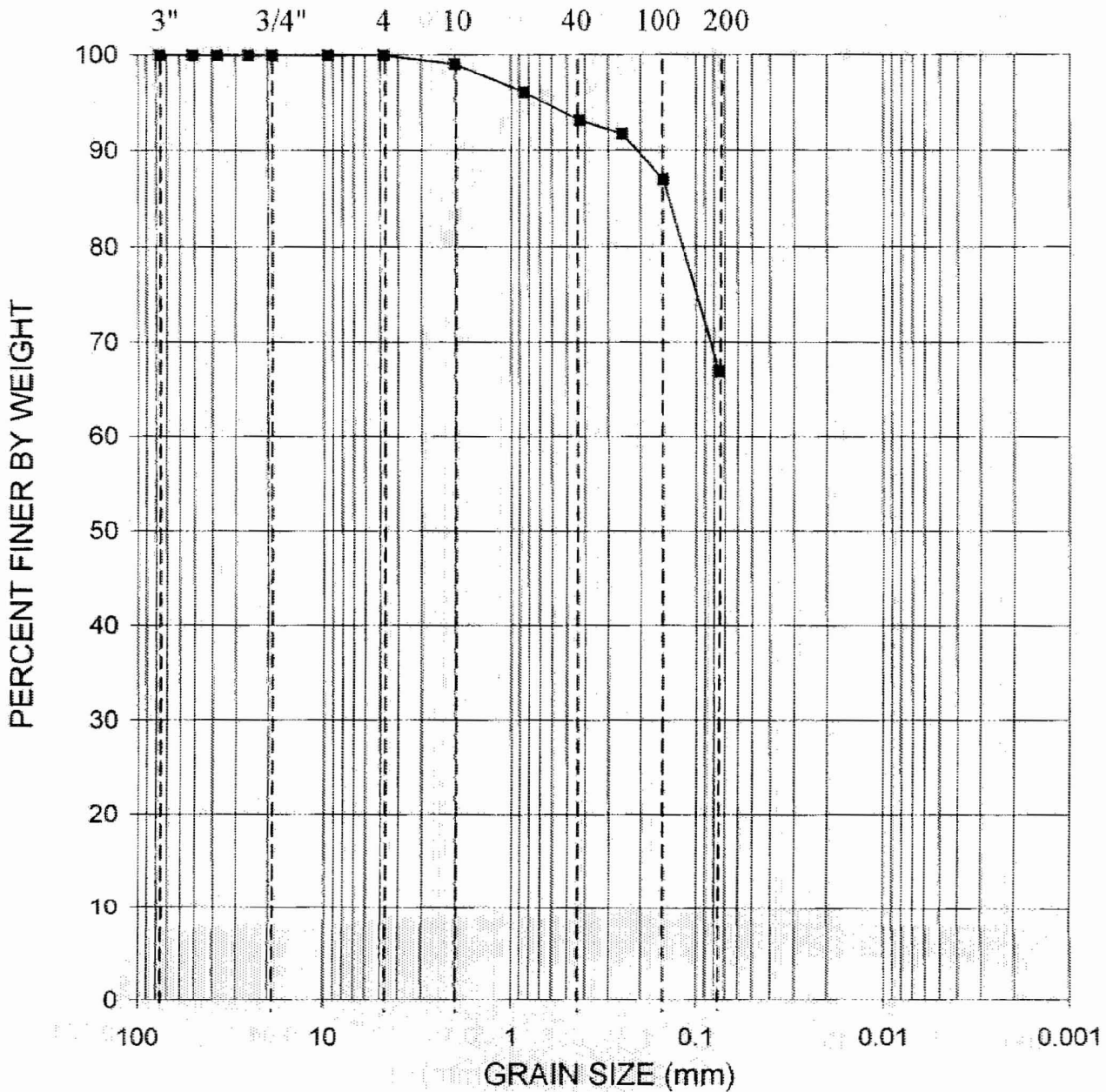
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI	<b>Schnabel</b> Schnabel Engineering	
B-752	28.5	Silty SAND, dark gray	SM				


U.S. Standard Sieve Nos.



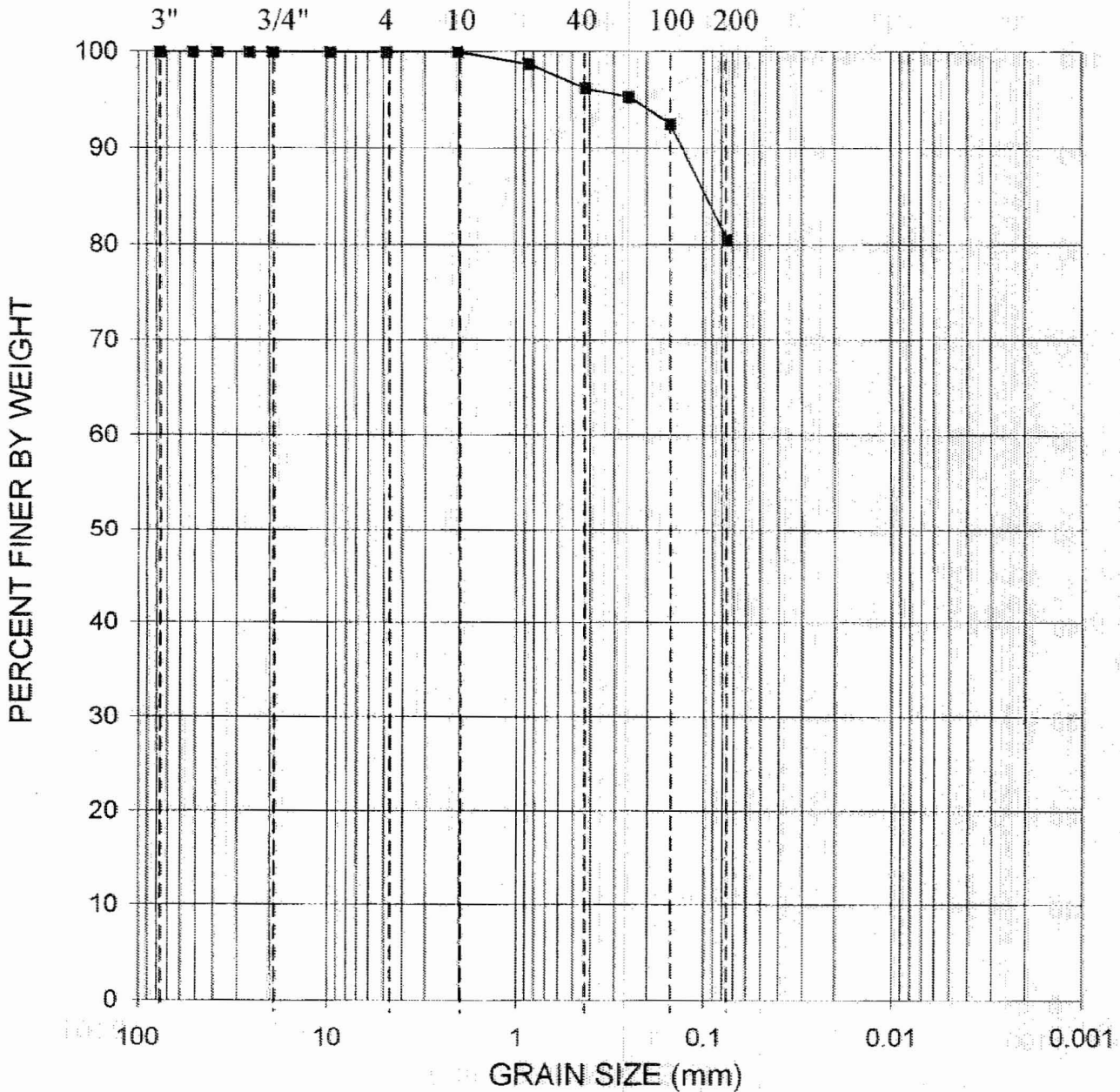
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

ASTM D422

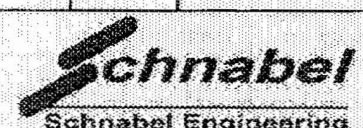
Project:		Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.: 06120048.00		Date: 9/28/2006	
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-752	33.5	Sandy FAT CLAY, gray	CH	52	29		

U.S. Standard Sieve Nos.

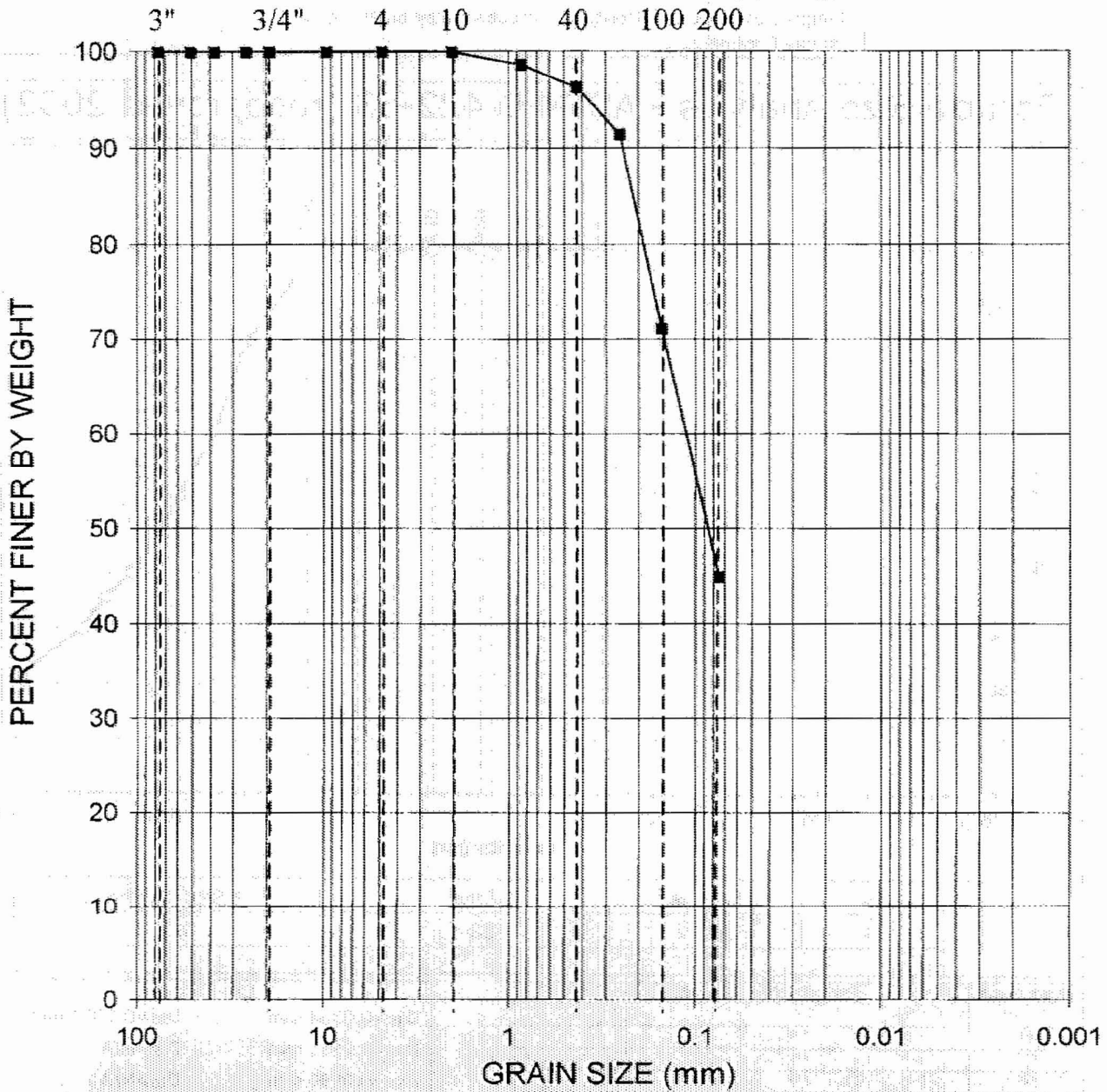


GRAVEL                      SAND                      SILT OR CLAY

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	

U.S. Standard Sieve Nos.



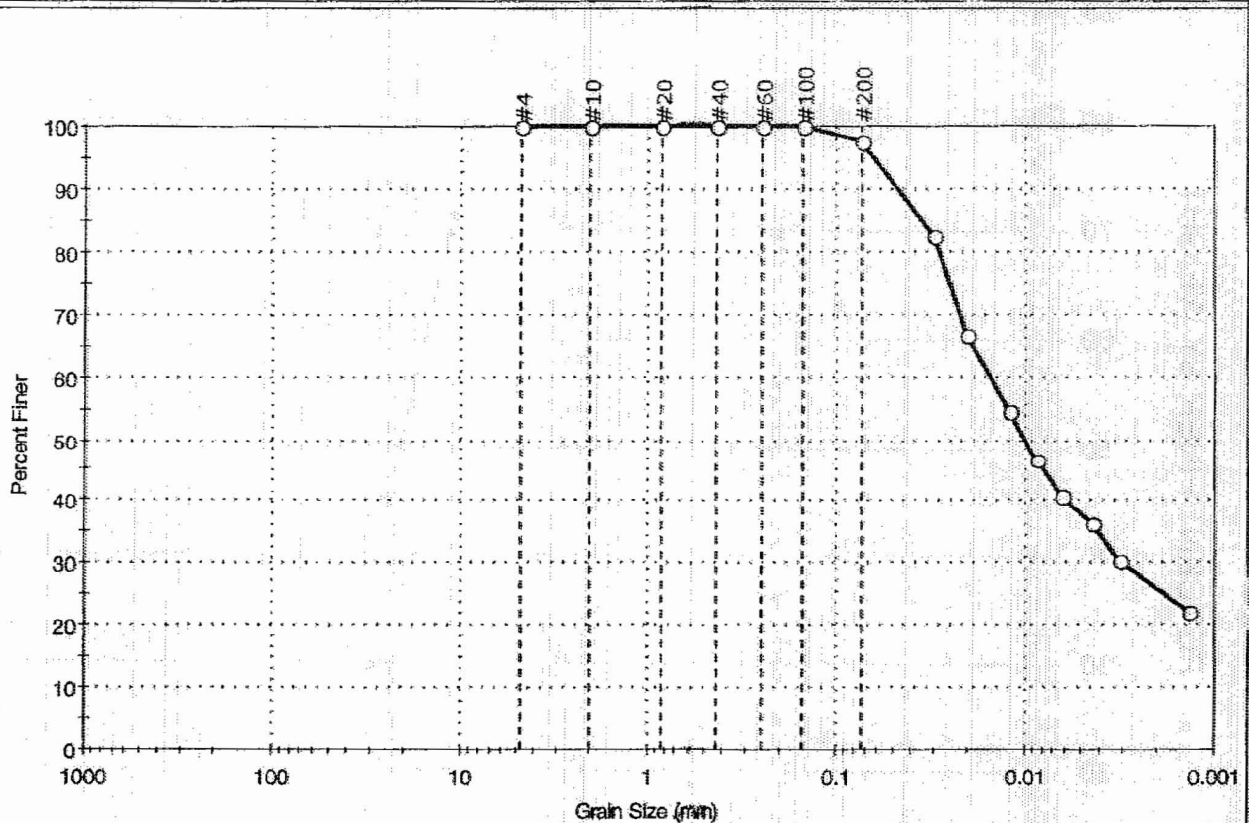
GRAVEL                      SAND                      SILT OR CLAY

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-752	53.5	Silty SAND, yellow-dark gray	SM	40	11		

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	Checked By: mcm
Sample ID: S-15	Test Date: 11/01/06	Test ID: 98042	
Depth: 58-60 ft			
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

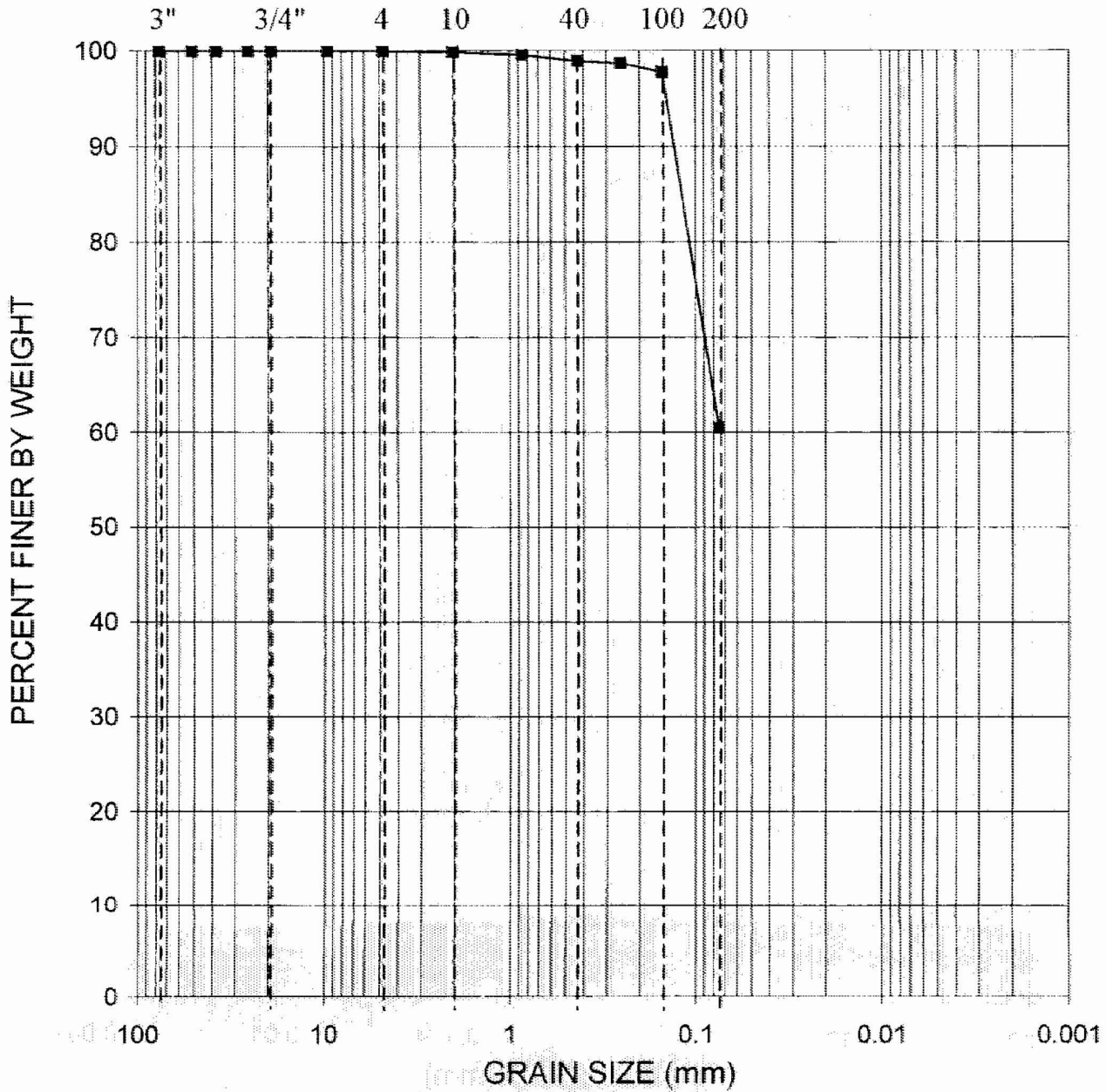
Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.84	100		
#40	0.42	100		
#60	0.25	100		
#100	0.15	100		
#200	0.074	98		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0307	83		
---	0.0201	67		
---	0.0119	55		
---	0.0087	47		
---	0.0062	41		
---	0.0044	36		
---	0.0032	30		
---	0.0014	22		

Coefficients	
D <sub>85</sub> = 0.0354 mm	D <sub>30</sub> = 0.0030 mm
D <sub>60</sub> = 0.0151 mm	D <sub>15</sub> = N/A
D <sub>50</sub> = 0.0099 mm	D <sub>10</sub> = N/A
C <sub>u</sub> = N/A	C <sub>c</sub> = 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

U.S. Standard Sieve Nos.



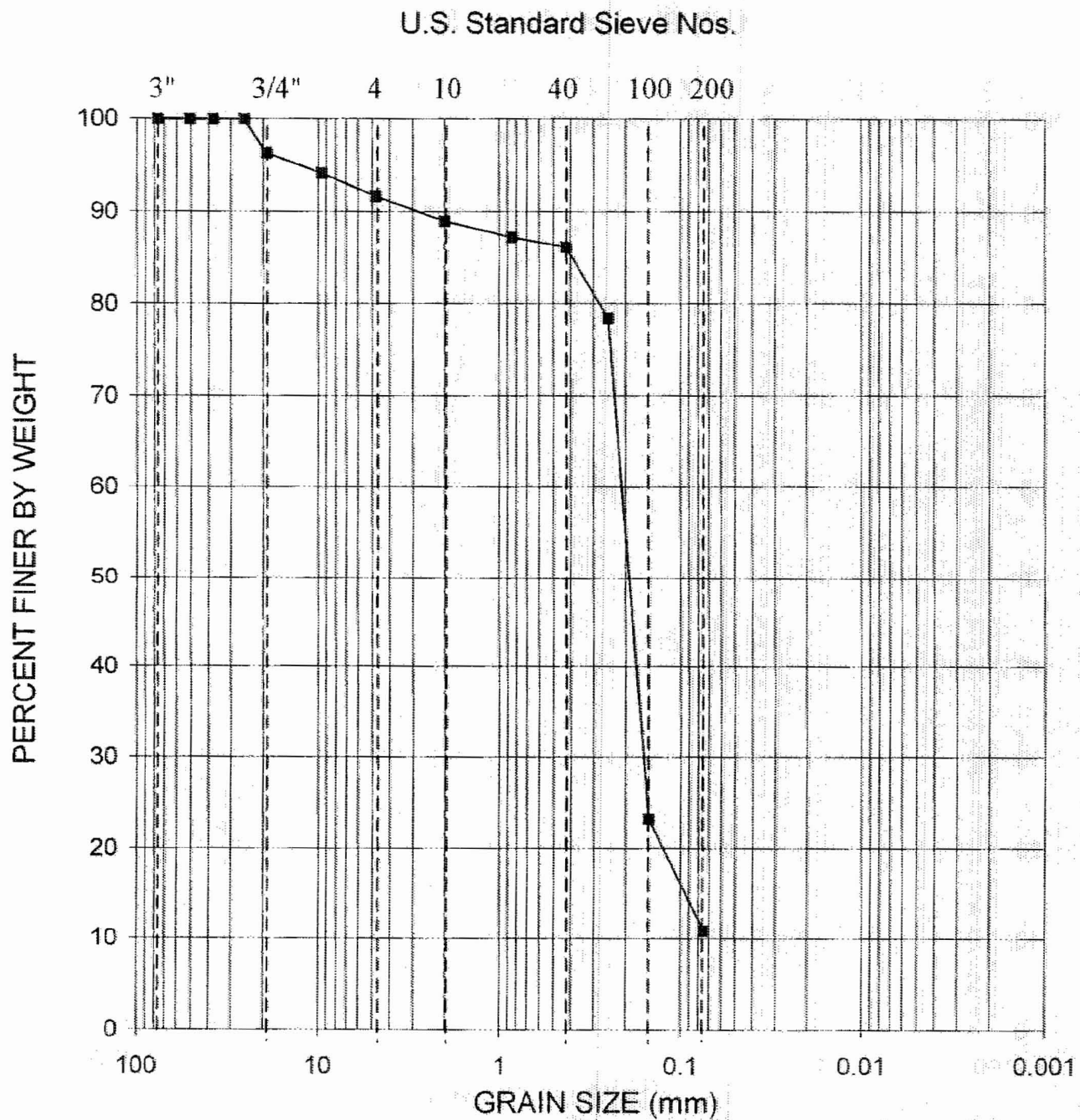
GRAVEL	SAND	SILT OR CLAY
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**GRADATION CURVE**  
ASTM D422

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





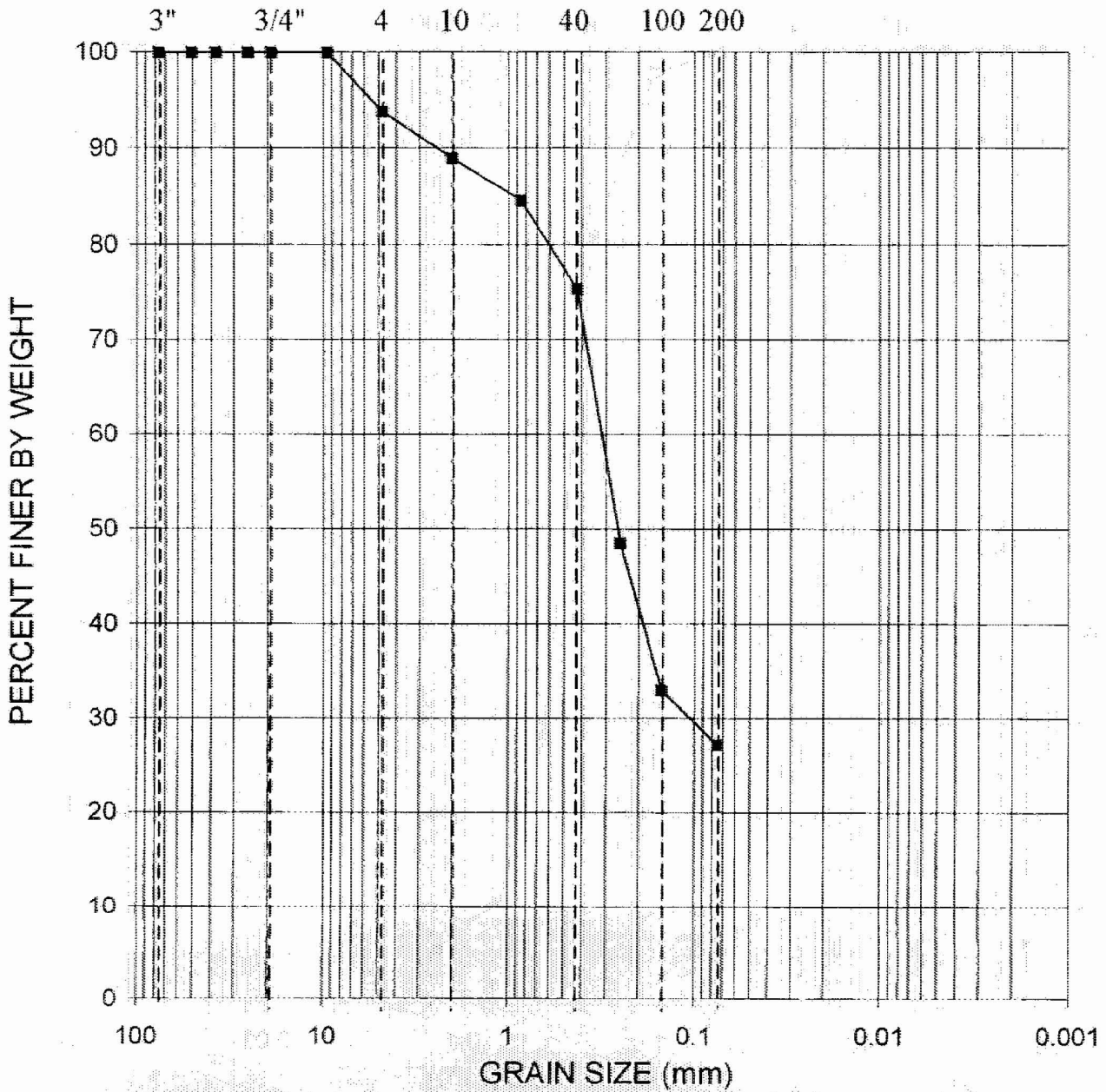


GRAVEL	SAND	SILT OR CLAY
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**GRADATION CURVE**  
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/28/2006
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.



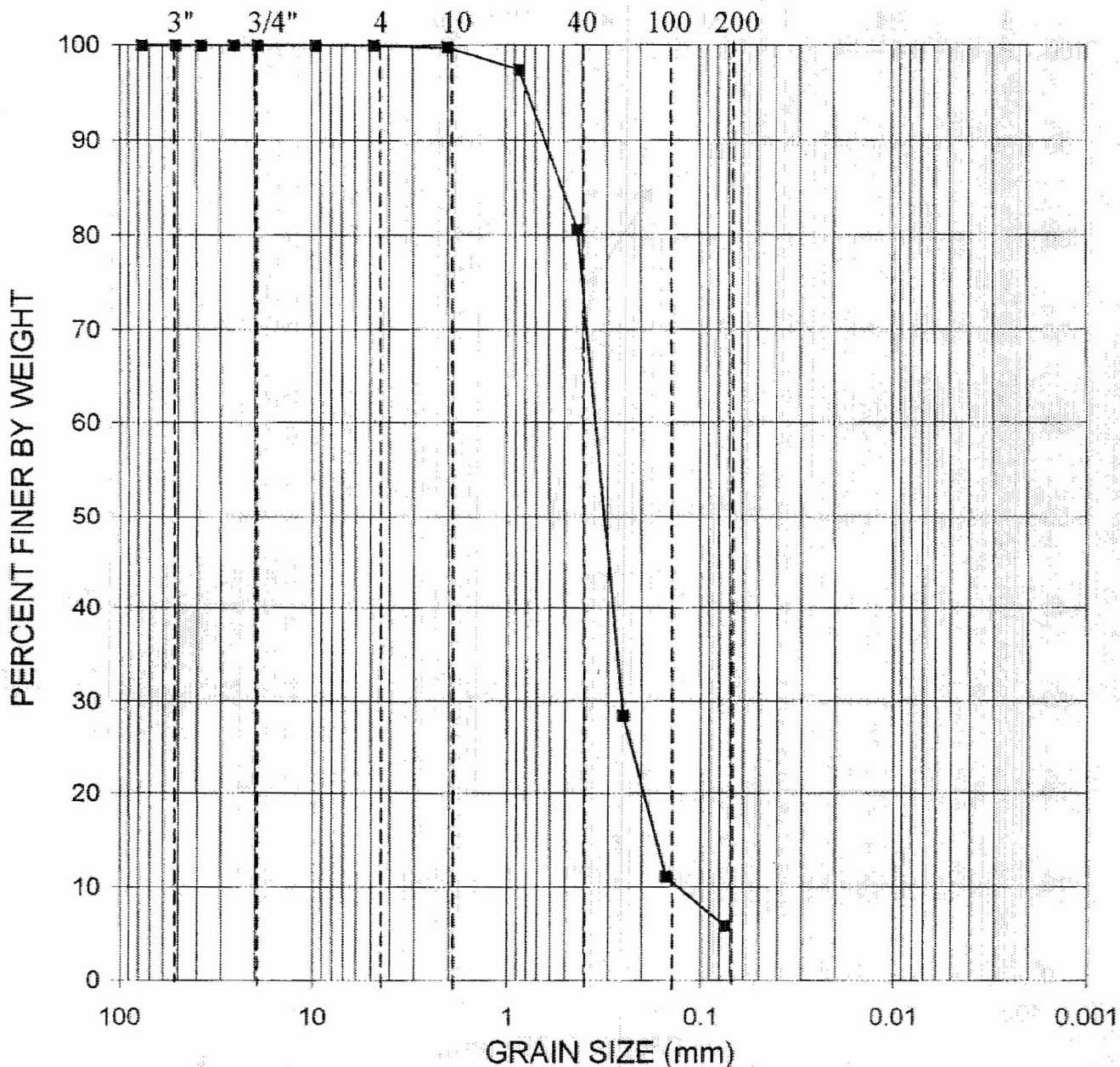
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE  
ASTM D422

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		



U.S. Standard Sieve Nos.



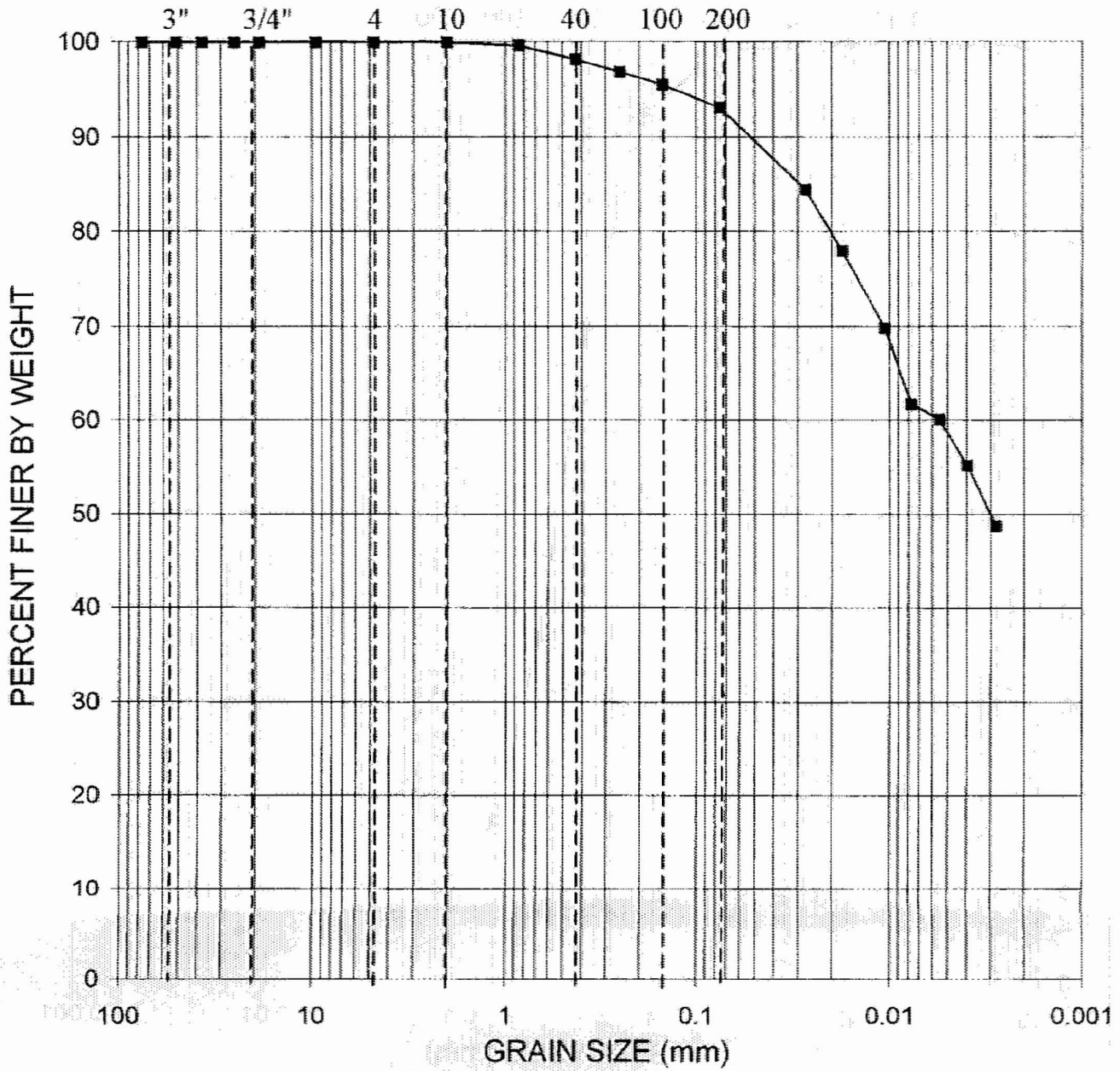
GRAVEL	SAND	SILT OR CLAY
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**GRADATION CURVE**  
ASTM D422

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



U.S. Standard Sieve Nos.



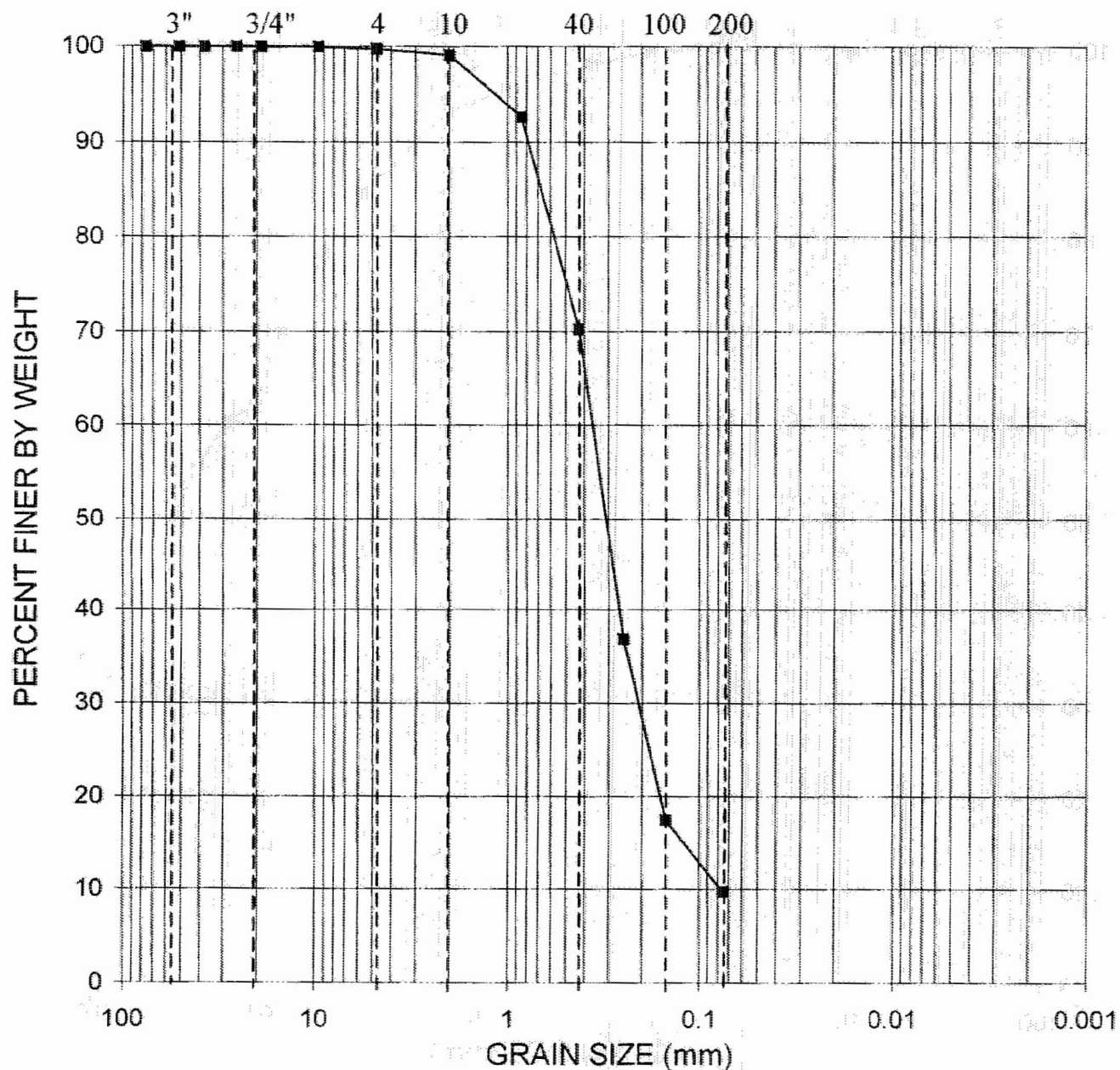
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE

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		

U.S. Standard Sieve Nos.

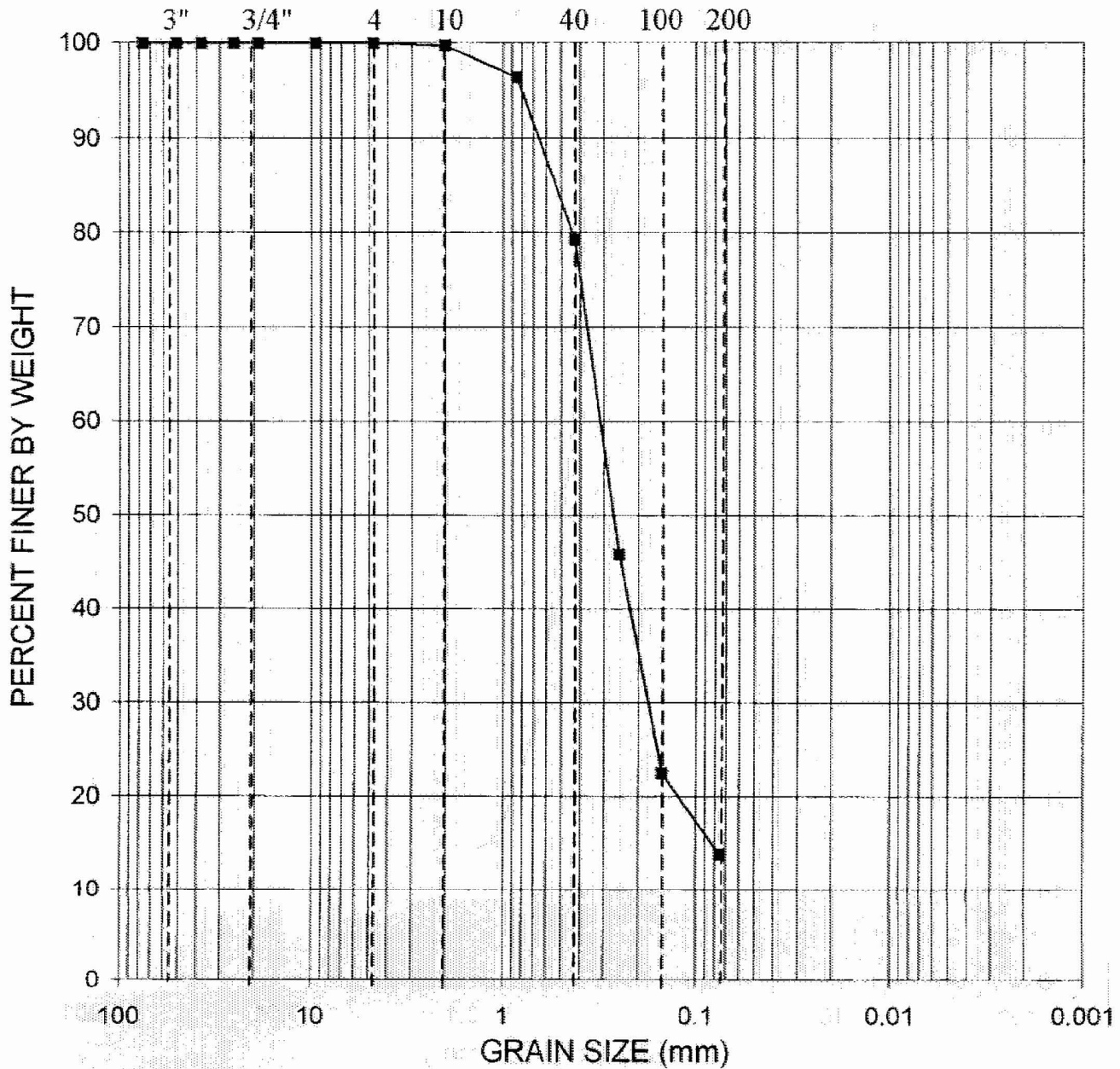


GRAVEL	SAND	SILT OR CLAY
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**GRADATION CURVE**  
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/29/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
TP-B-315	6.0-7.0	Poorly Graded SAND, with silt, tan	SP-SM				

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: 8/28/2006
Boring No.	Depth (ft)	Sample Description	Class. LL PI
TP-B-334	3.0-4.0	Silty SAND, brown	SM

