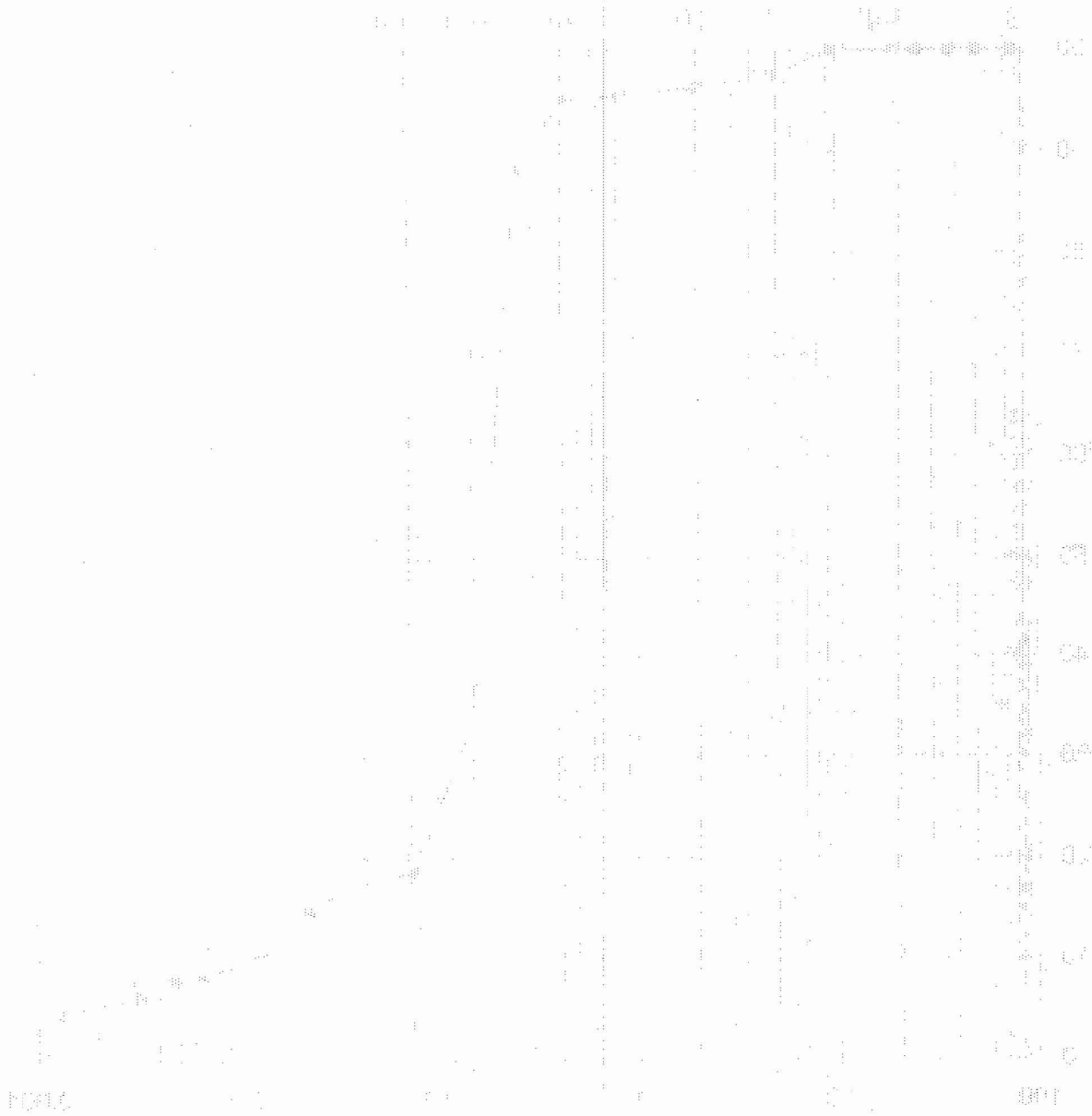


U.S. Standard Time



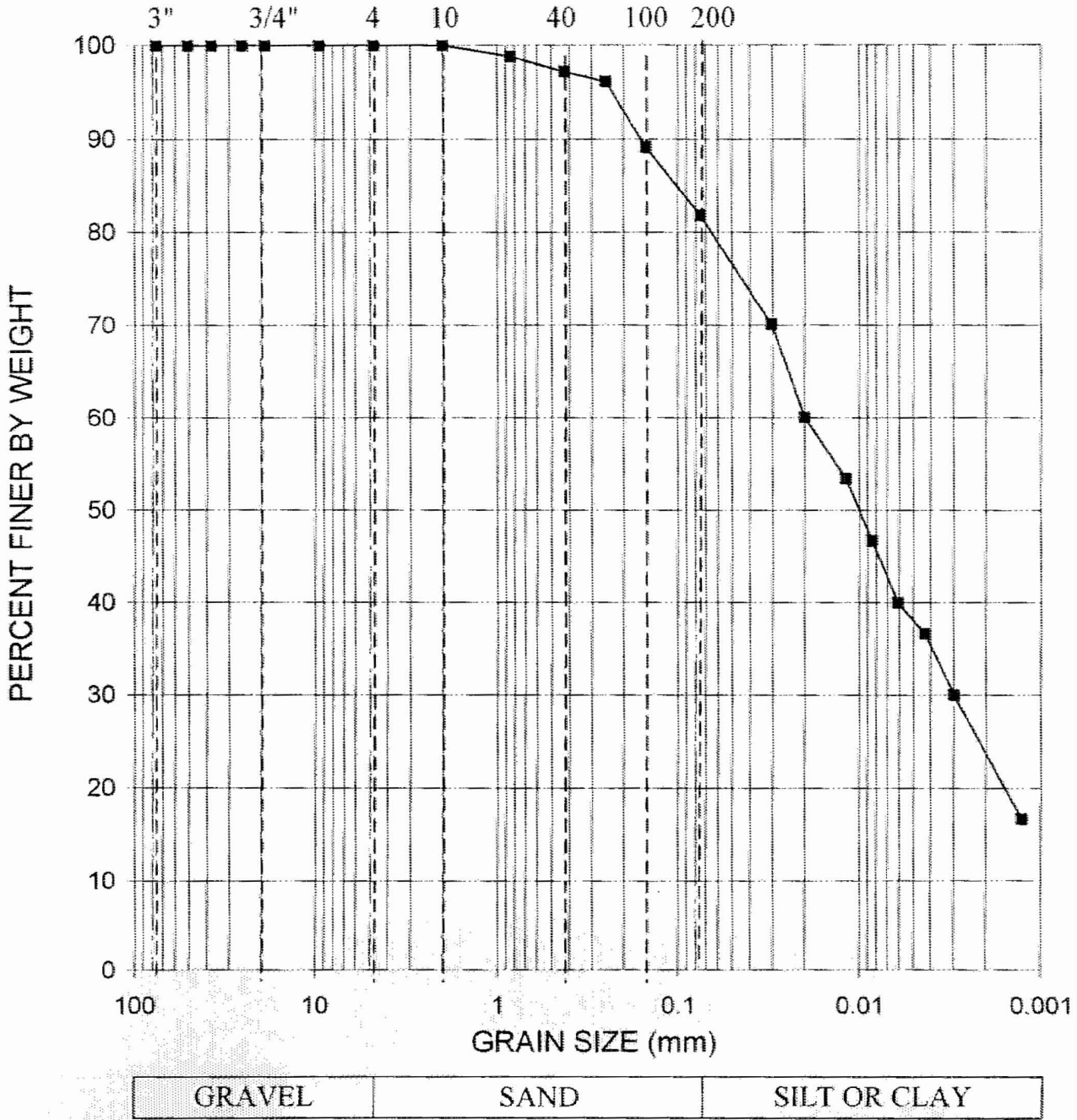
100V 100μS

REPRODUCED FROM ORIGINAL

100V 100μS

100V	100μS	100V	100μS
100V	100μS	100V	100μS
100V	100μS	100V	100μS
100V	100μS	100V	100μS

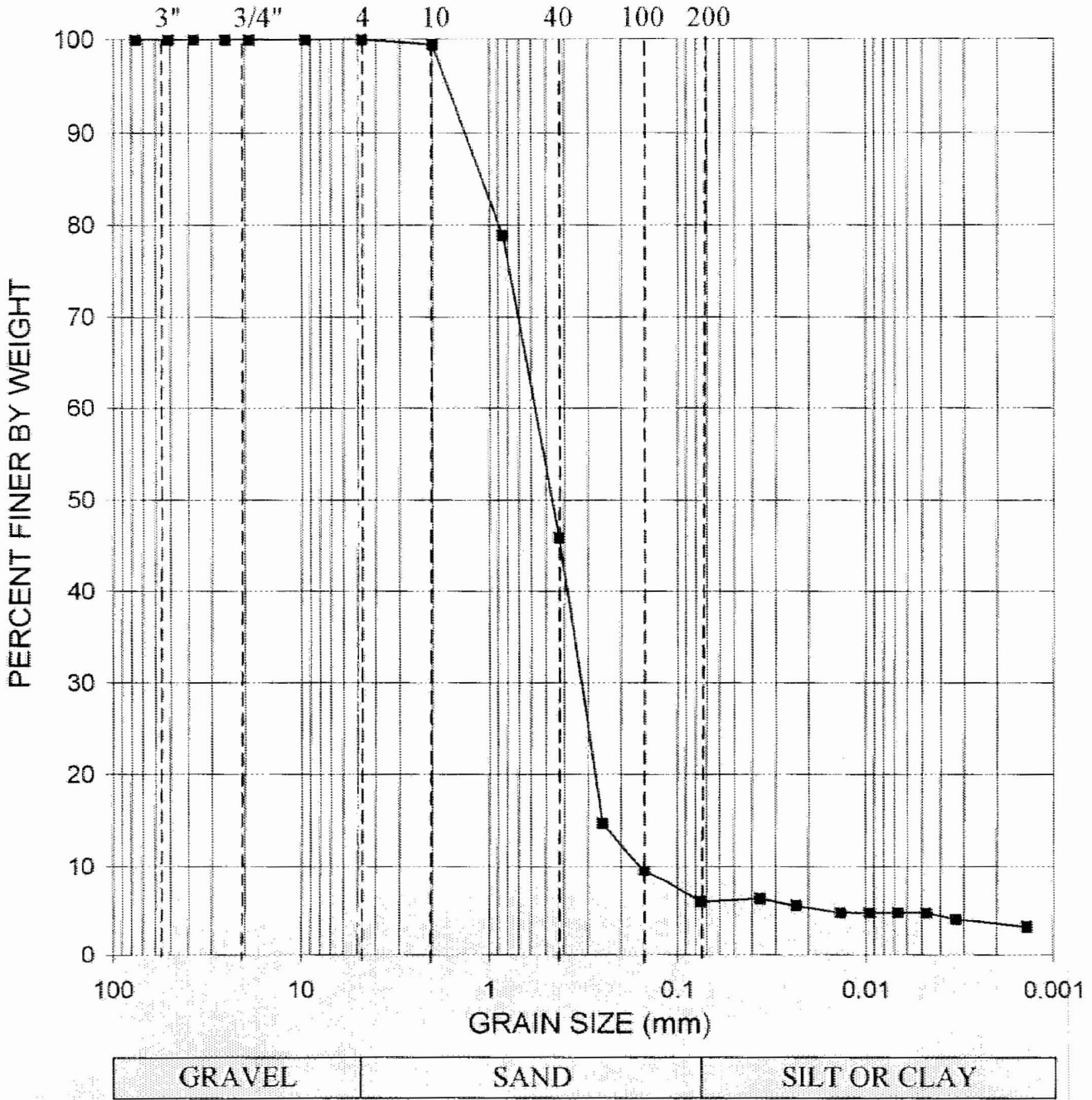
U.S. Standard Sieve Nos.



GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.:	06120048.00	Date:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-318/C-3A	43.5-45.0, 48.5-50.0	FAT CLAY, with sand, dark green	CH			

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:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-323, B-324/ C-4A	33.5-35.0, 32.5-34.0	Poorly Graded SAND, with silt, orange- brown	SP-SM			

Chapter 8



1. $\frac{1}{2}$

2. $\frac{1}{3}$

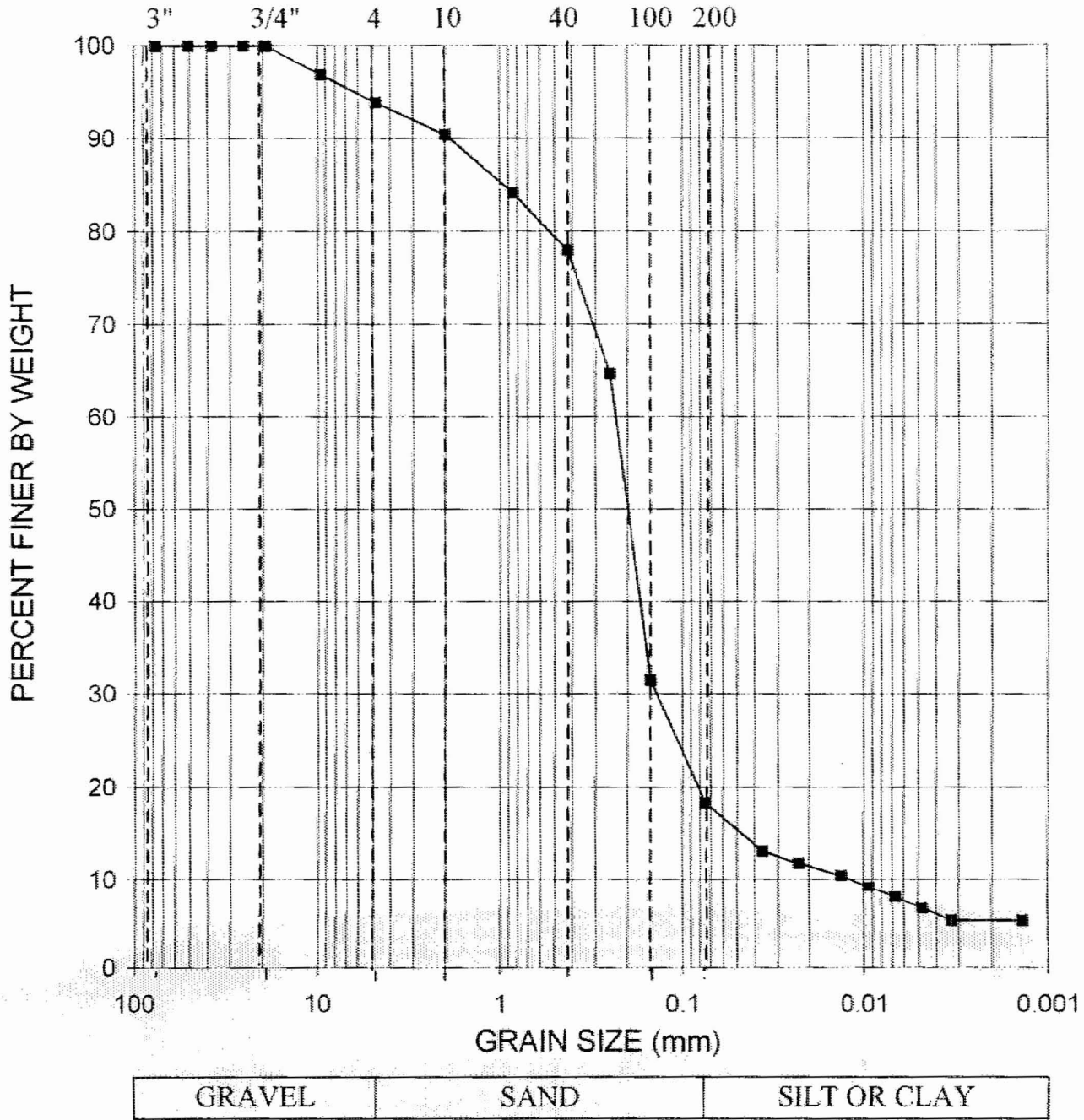
3. $\frac{1}{4}$

4. $\frac{1}{5}$

5. $\frac{1}{6}$

6. $\frac{1}{7}$

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: 1/16/2007	
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI
B-335/ C-5A	63.5-65.0, 68.5-70.0	Silty SAND, trace shells, dark gray	SM		



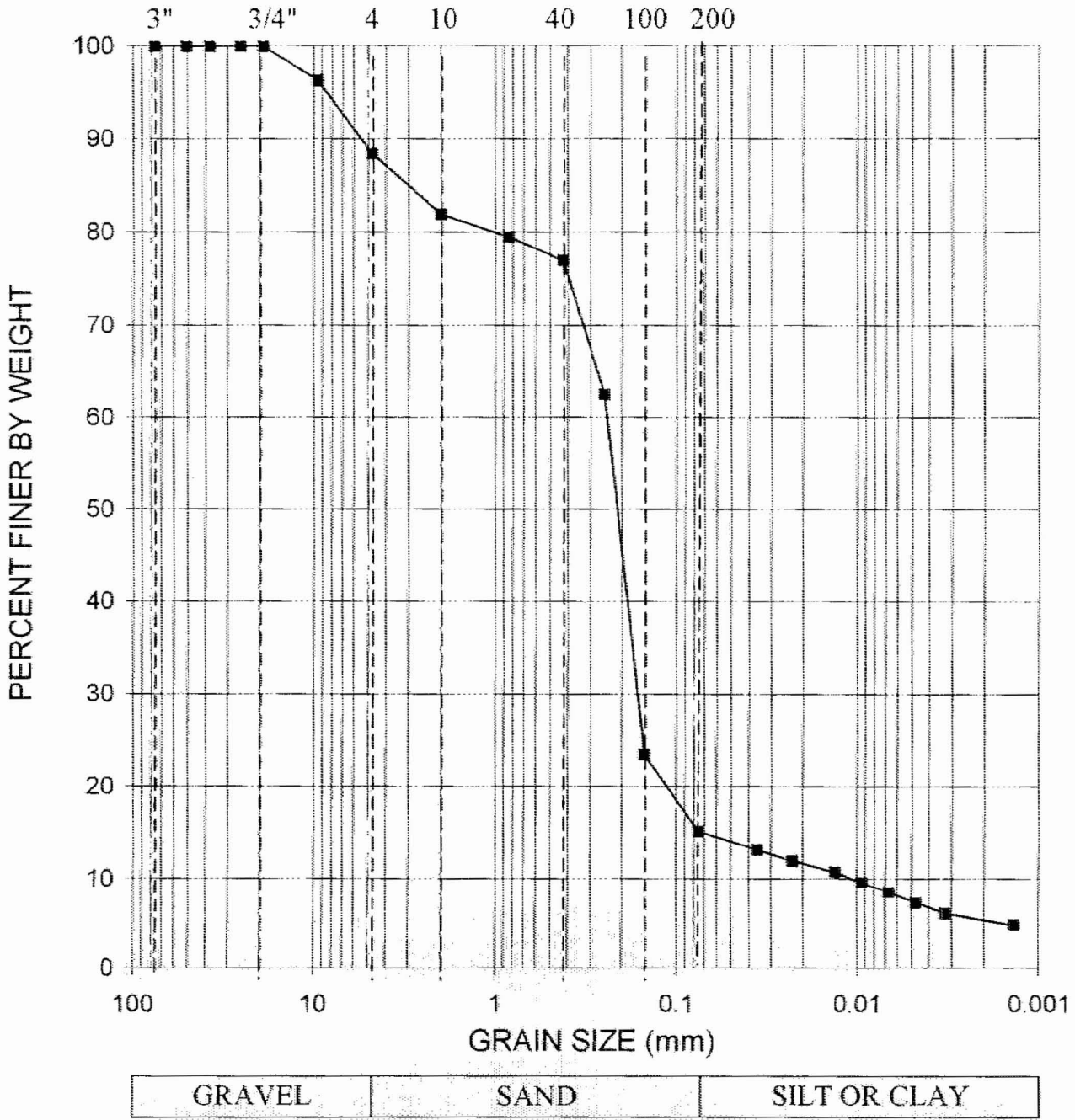
! 5mi? hshpat? .6 3



1977/1978		1978/1979	
Year	Value	Year	Value
1977	...	1978	...
1978	...	1979	...
1979	...	1980	...
1980	...	1981	...
1981	...	1982	...
1982	...	1983	...
1983	...	1984	...
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2005	...	2006	...
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2007	...	2008	...
2008	...	2009	...
2009	...	2010	...
2010	...	2011	...
2011	...	2012	...
2012	...	2013	...
2013	...	2014	...
2014	...	2015	...
2015	...	2016	...
2016	...	2017	...
2017	...	2018	...
2018	...	2019	...
2019	...	2020	...
2020	...	2021	...
2021	...	2022	...
2022	...	2023	...
2023	...	2024	...
2024	...	2025	...
2025	...	2026	...
2026	...	2027	...
2027	...	2028	...
2028	...	2029	...
2029	...	2030	...

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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:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-401/C-6A	63.5-65.0, 73.5-75.0	Silty SAND, trace shells, dark gray	SM			

Figure 1: [Illegible Title]



PERCENTAGE [Illegible]

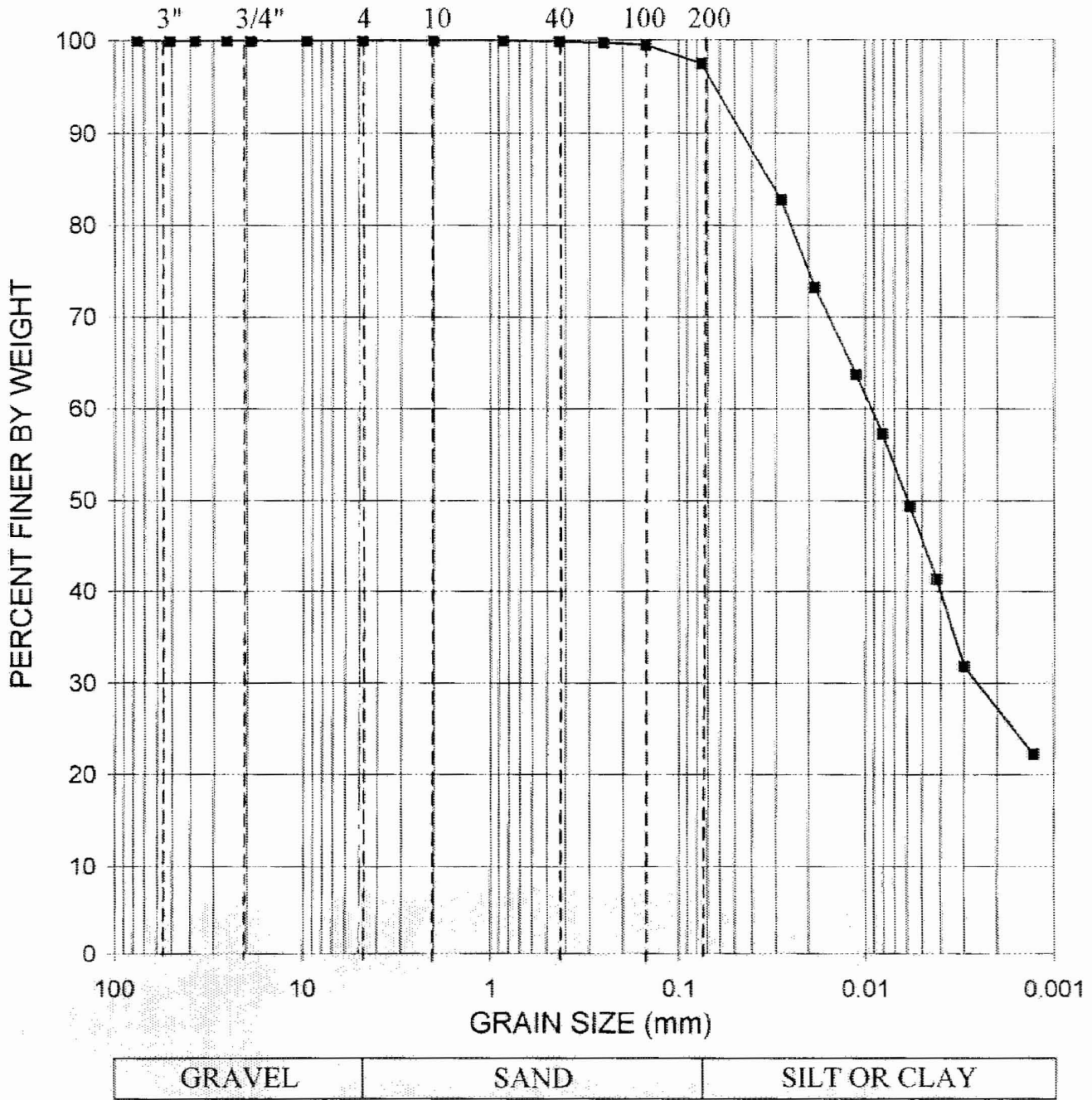
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[Illegible]	[Illegible]	[Illegible]
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[Illegible]	[Illegible]	[Illegible]

U.S. Standard Sieve Nos.



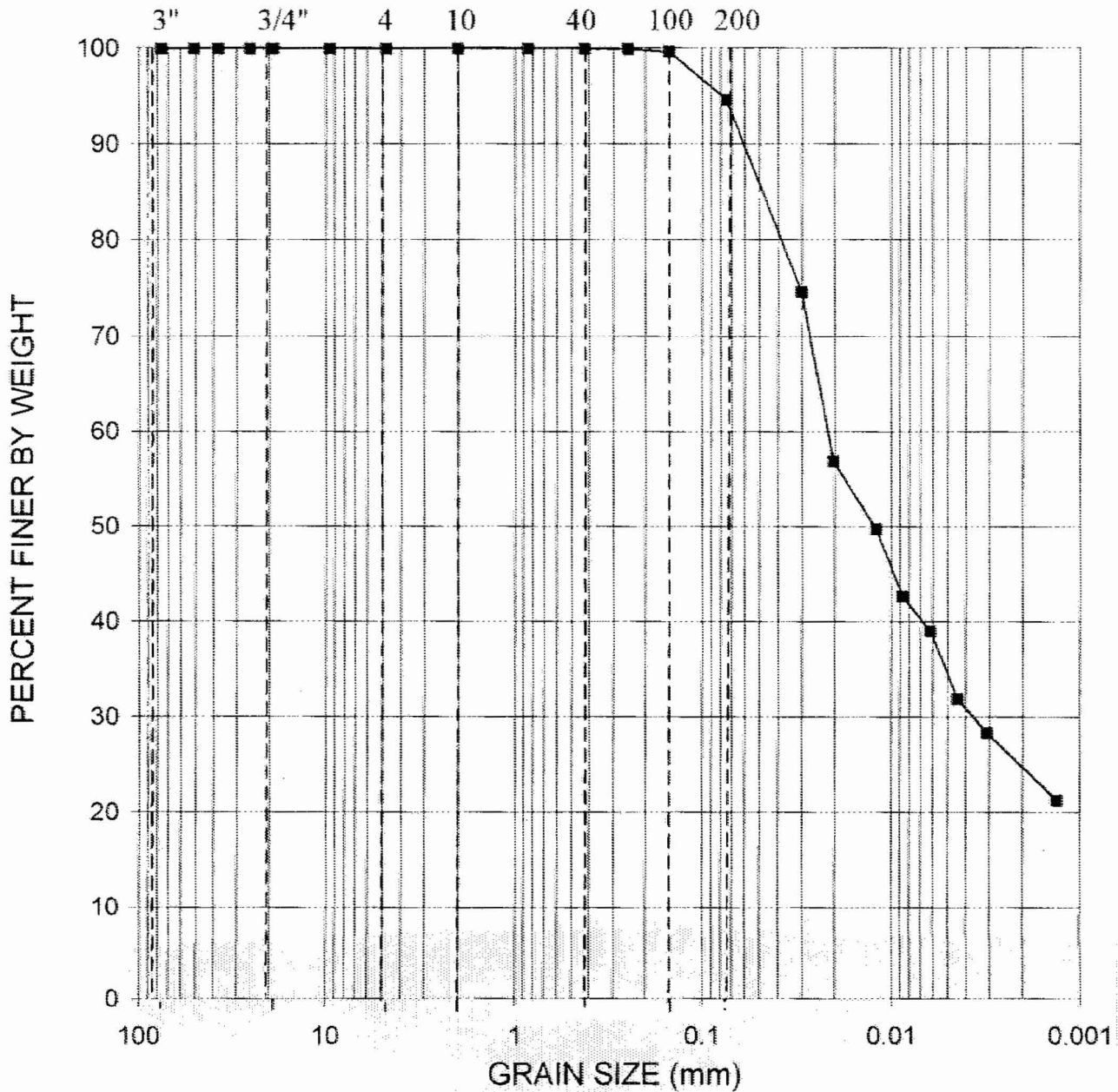
GRADATION CURVE							
ASTM D422							
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-402/C-7A	23.5-25.0, 28.5-30.0	FAT CLAY, dark gray	CH				

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1954

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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:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-422/ C-8A	48.5-50.5	FAT CLAY, dark gray	CH			

10. 2. 1994

10. 2. 1994



(continued)

10. 2. 1994

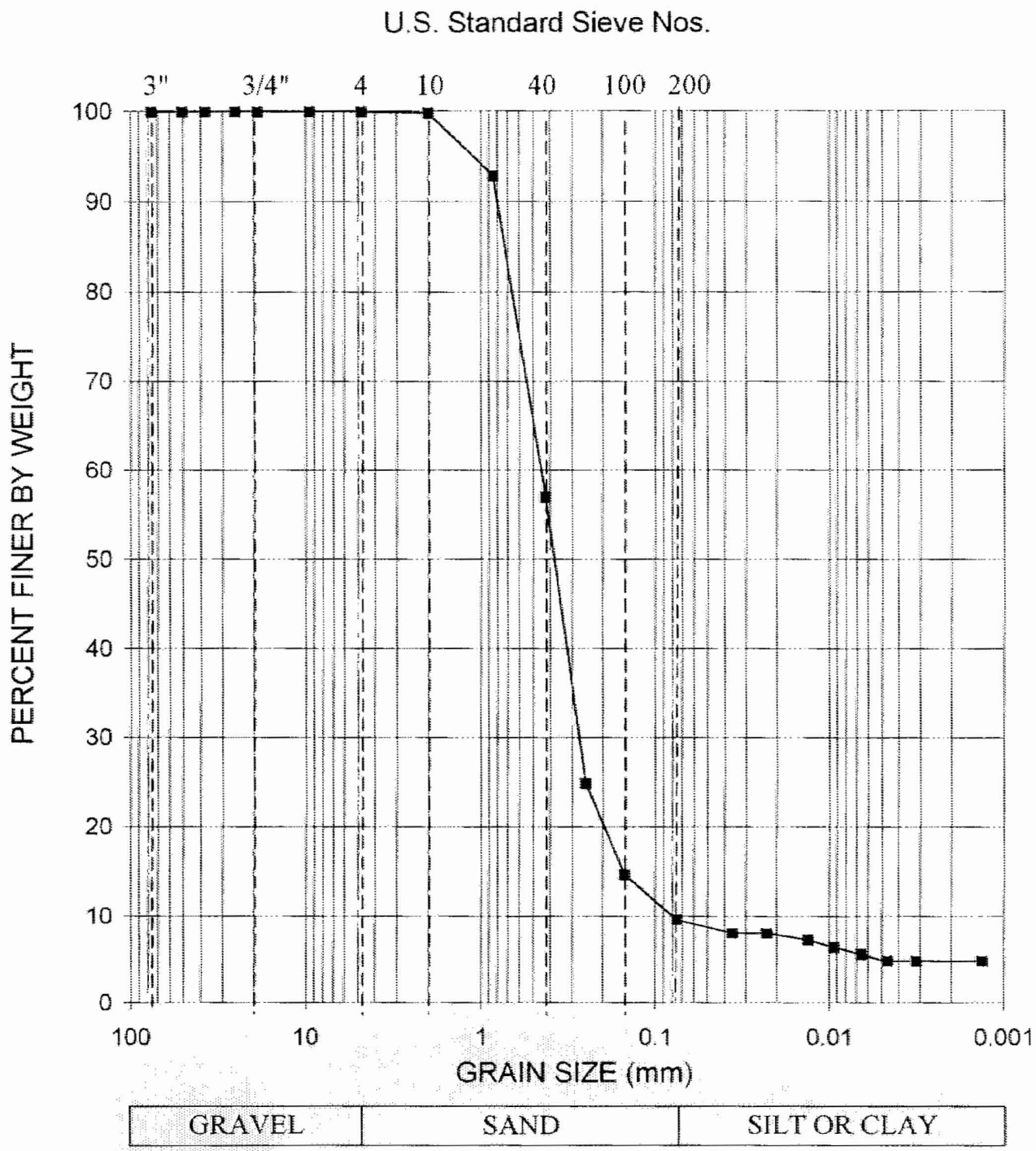
10. 2. 1994

10. 2. 1994

10. 2. 1994

10. 2. 1994

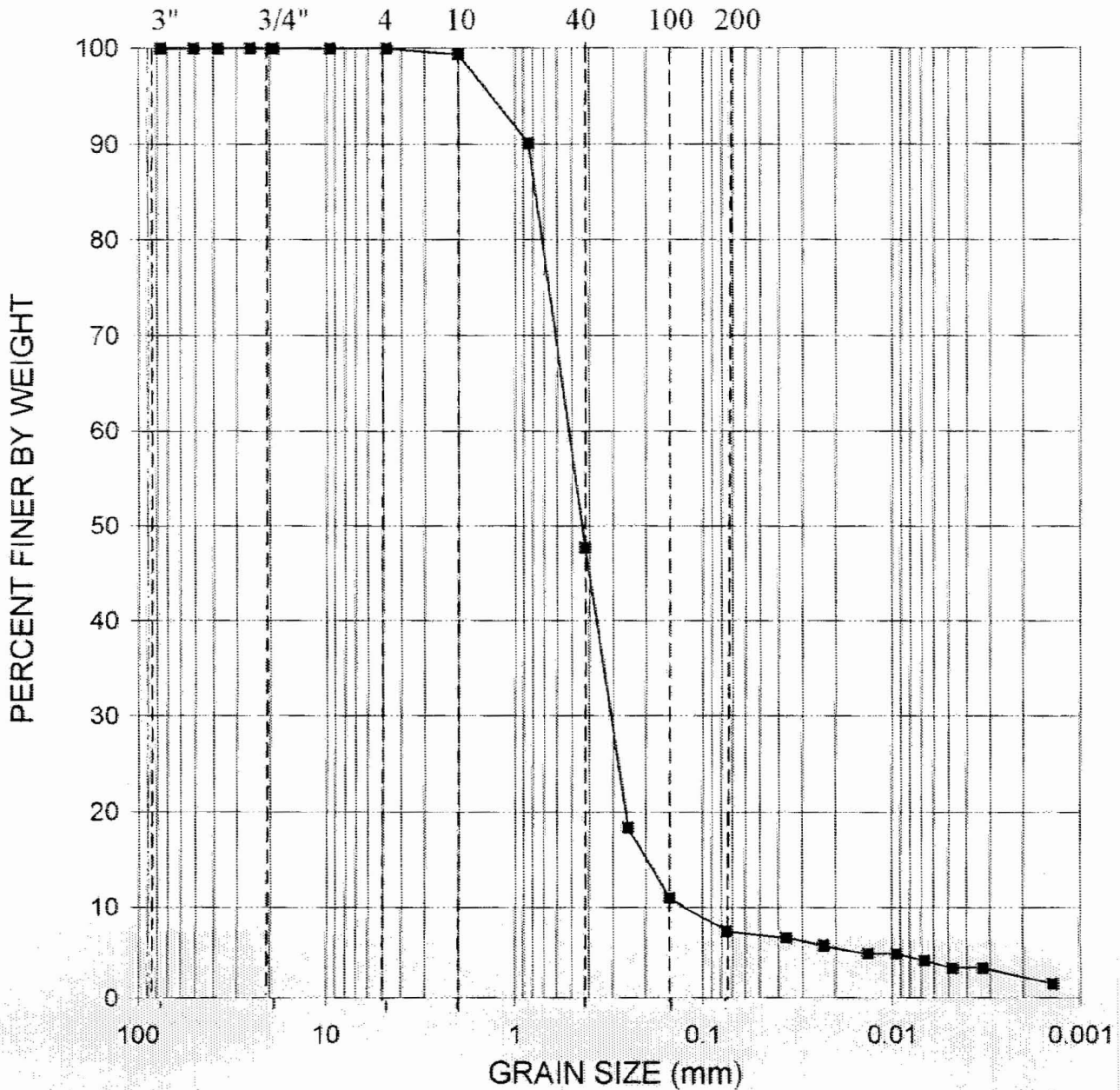
10. 2. 1994



GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	061200-48.00	Date:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-424/C-9A	33.5-35.0, 38.5-40.0	Poorly Graded SAND, with silt, orange-brown	SP-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:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-428, B-429/ C-10A	38.5-40.0, 38.5-40.0	Poorly Graded SAND, with silt, orange- brown	SP-SM				

Figure 1.2

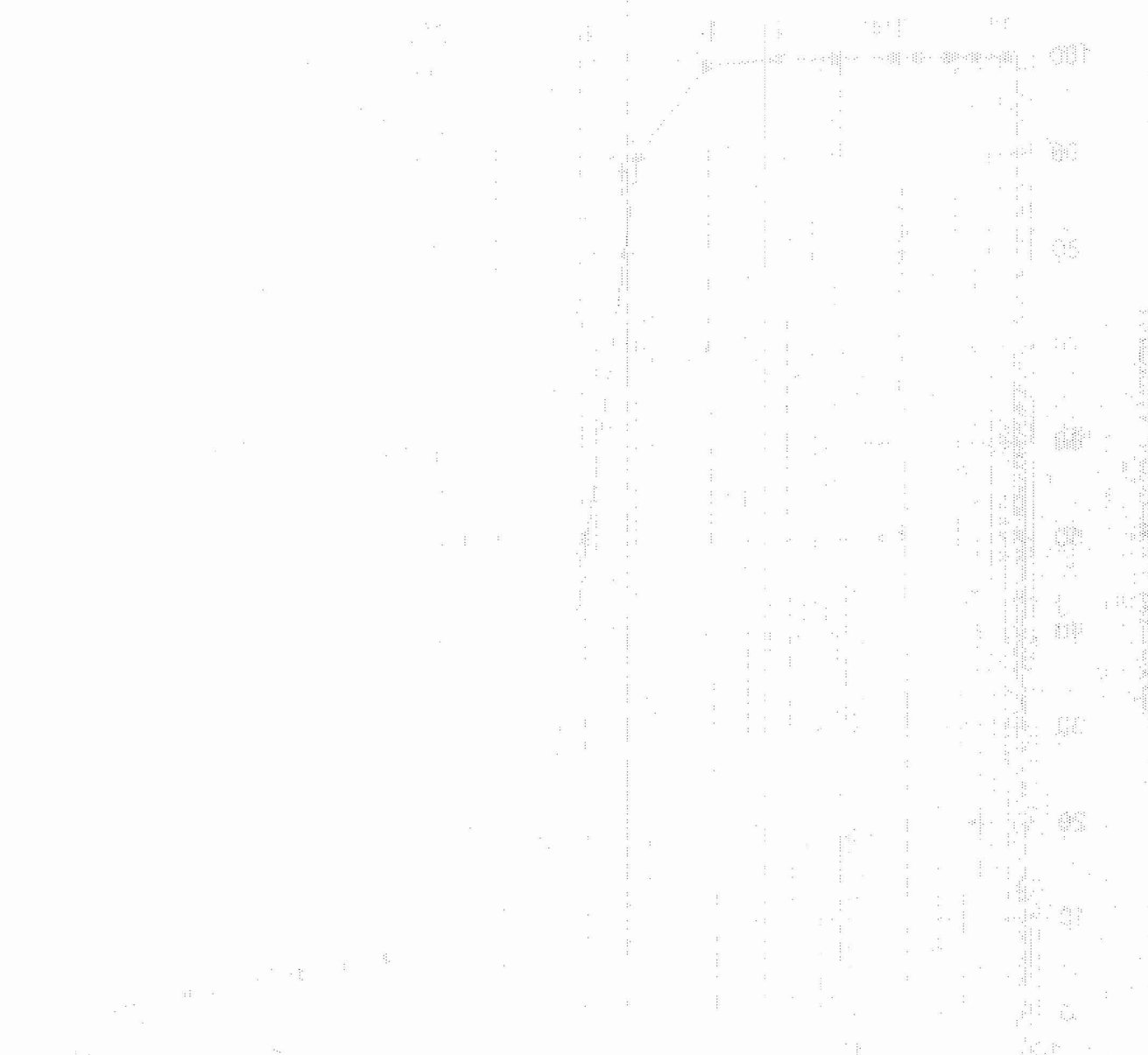
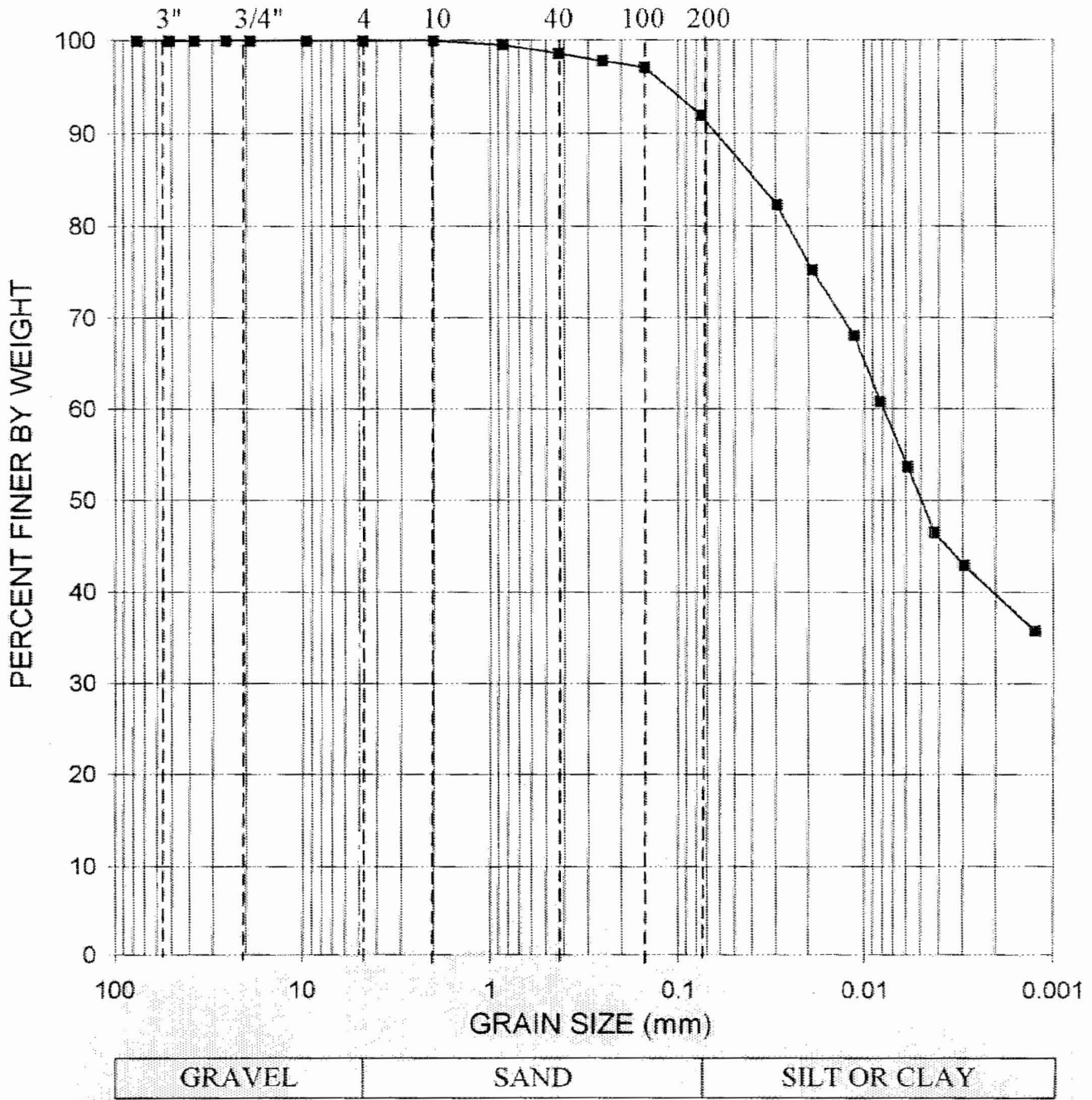


Figure 1.2 shows a line graph with the following data points:

Year	Value
1980	100
1981	75
1982	85
1983	90
1984	90

The graph illustrates a significant drop in value from 1980 to 1981, followed by a steady increase through 1984.

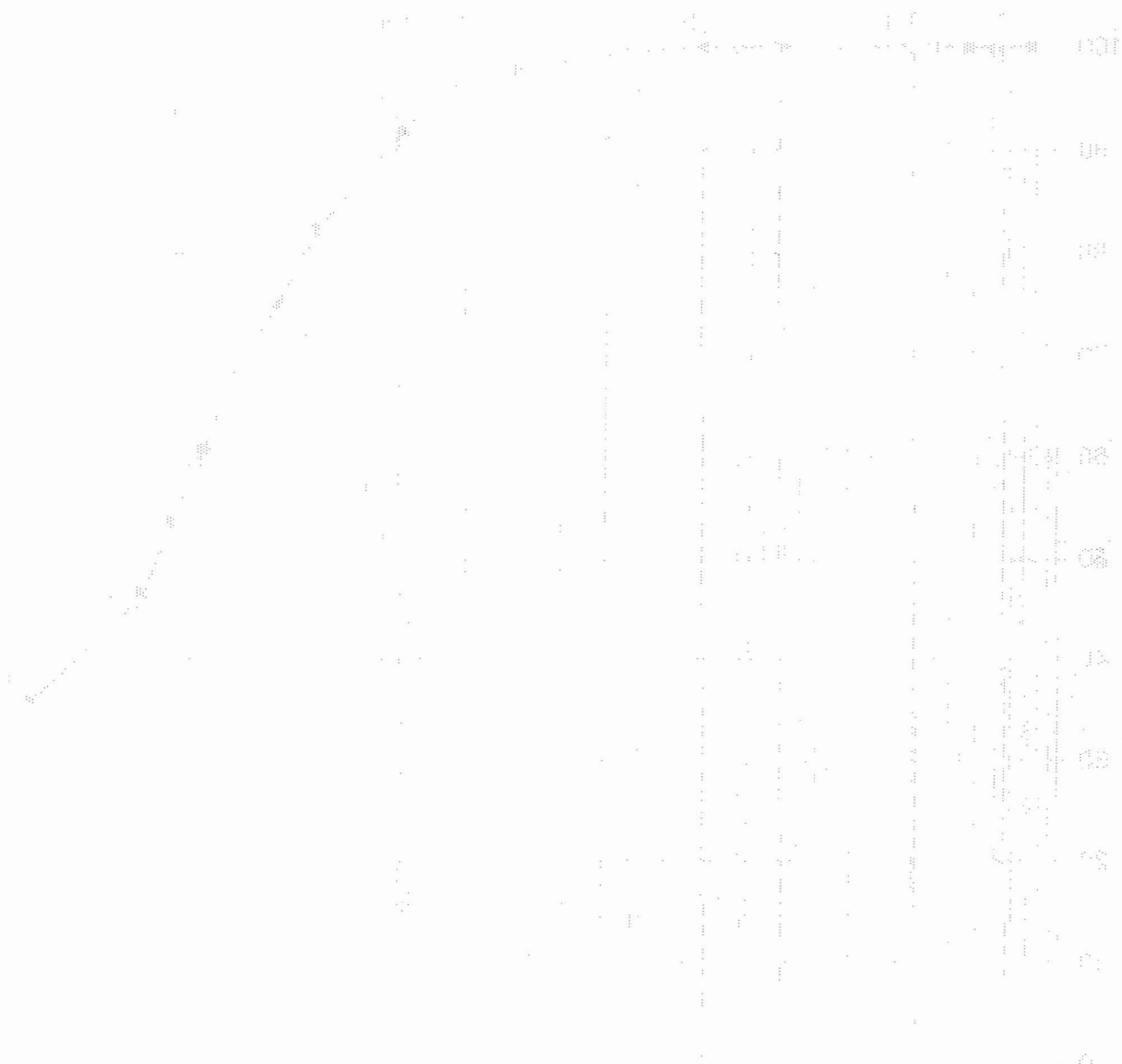
U.S. Standard Sieve Nos.



GRADATION CURVE
ASTM D422

Project:		Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No. 06120048.00	Date: 1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-428/C-11A	63.0-65.0	FAT CLAY, dark gray	CH/OH			

С. 3



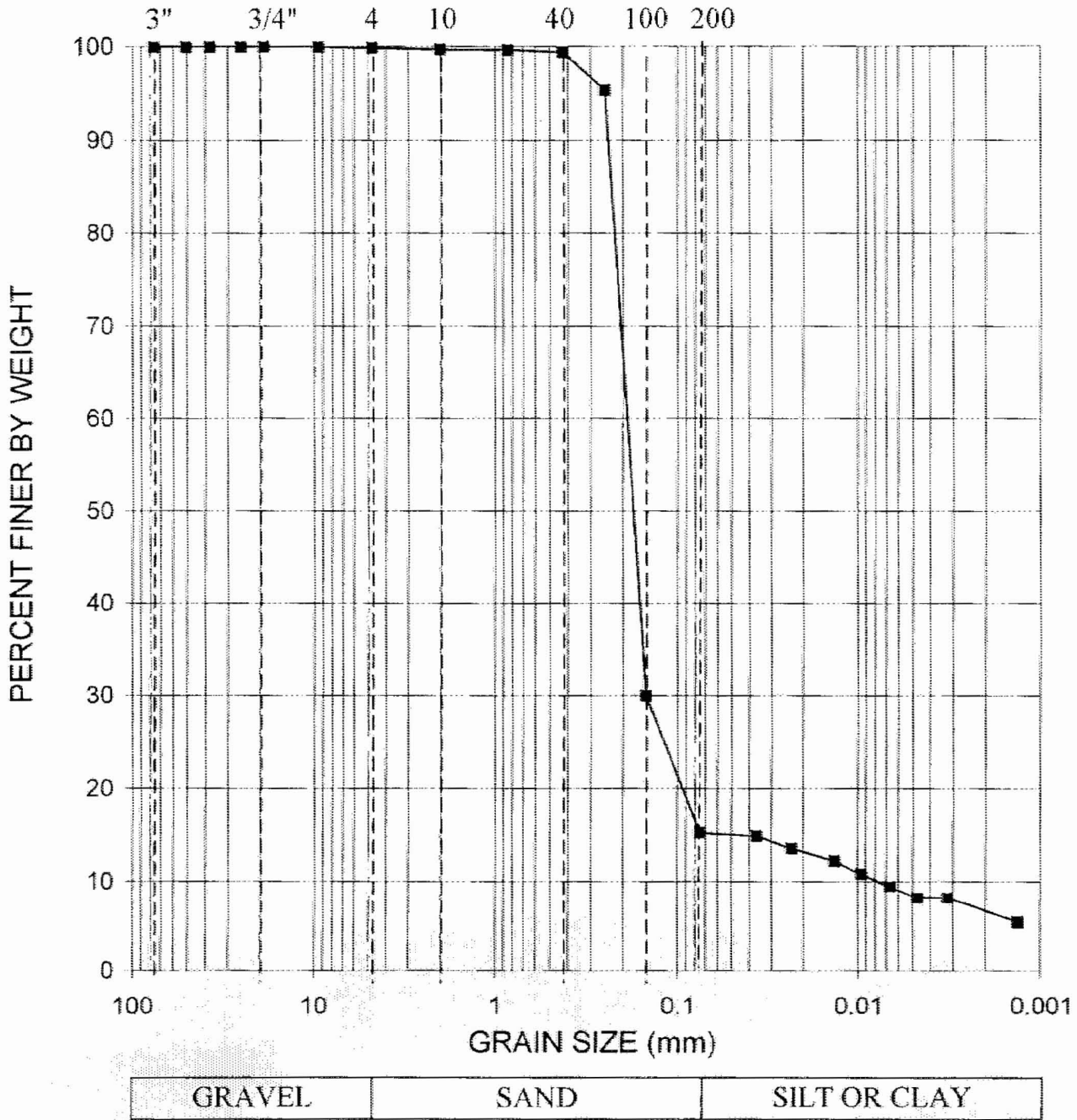
ПРОЦЕДУРА № 84

С. 4

76.12.1.1
76.12.1.2
76.12.1.3

<p>С. 5</p> <p>76.12.1.1</p> <p>76.12.1.2</p> <p>76.12.1.3</p>	<p>С. 6</p> <p>76.12.1.1</p> <p>76.12.1.2</p> <p>76.12.1.3</p>	<p>С. 7</p> <p>76.12.1.1</p> <p>76.12.1.2</p> <p>76.12.1.3</p>
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U.S. Standard Sieve Nos.



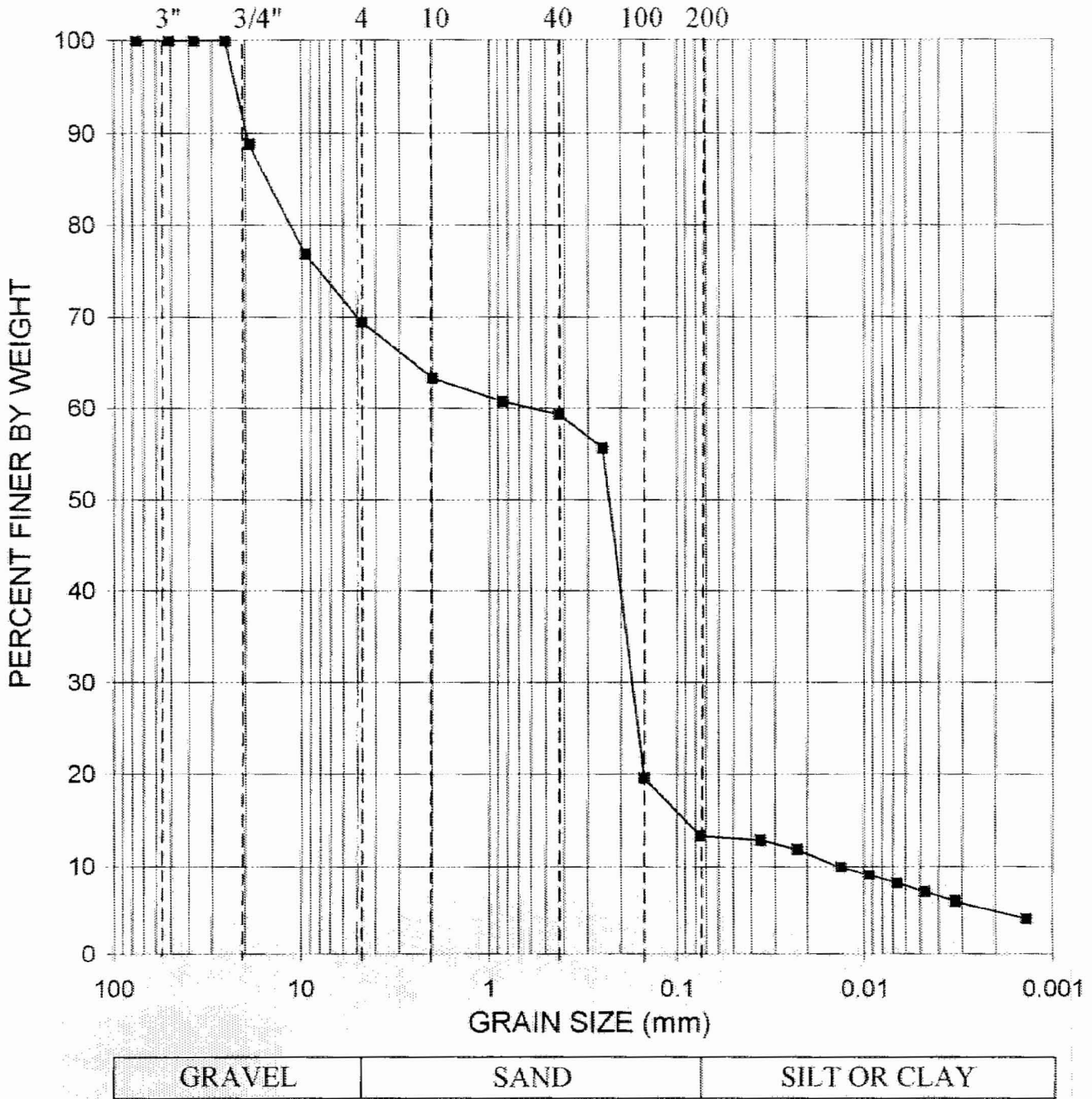
GRADATION CURVE
ASTM D422

Project	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.	06120048.00	Date:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-705/ C-12A	43.5-45.0, 48.5-50.0	Silty SAND, contains shells, dark gray	SM			



IDENTIFICATION	FREQUENCY	AMPLITUDE	PHASE
1	10	10	0
2	20	20	45
3	30	30	90
4	40	40	135
5	50	50	180
6	60	60	225
7	70	70	270
8	80	80	315
9	90	90	0
10	100	100	45

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:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-708/ C-13A	23.5-25.0, 28.5-30.0	Silty SAND, with shells, dark gray	SM			

RESEARCH REPORT

1. Introduction

2. Methodology

3. Results

4. Discussion

5. Conclusion

6. References

7. Appendix

8. Bibliography

9. Index

10. Summary

RESEARCH REPORT

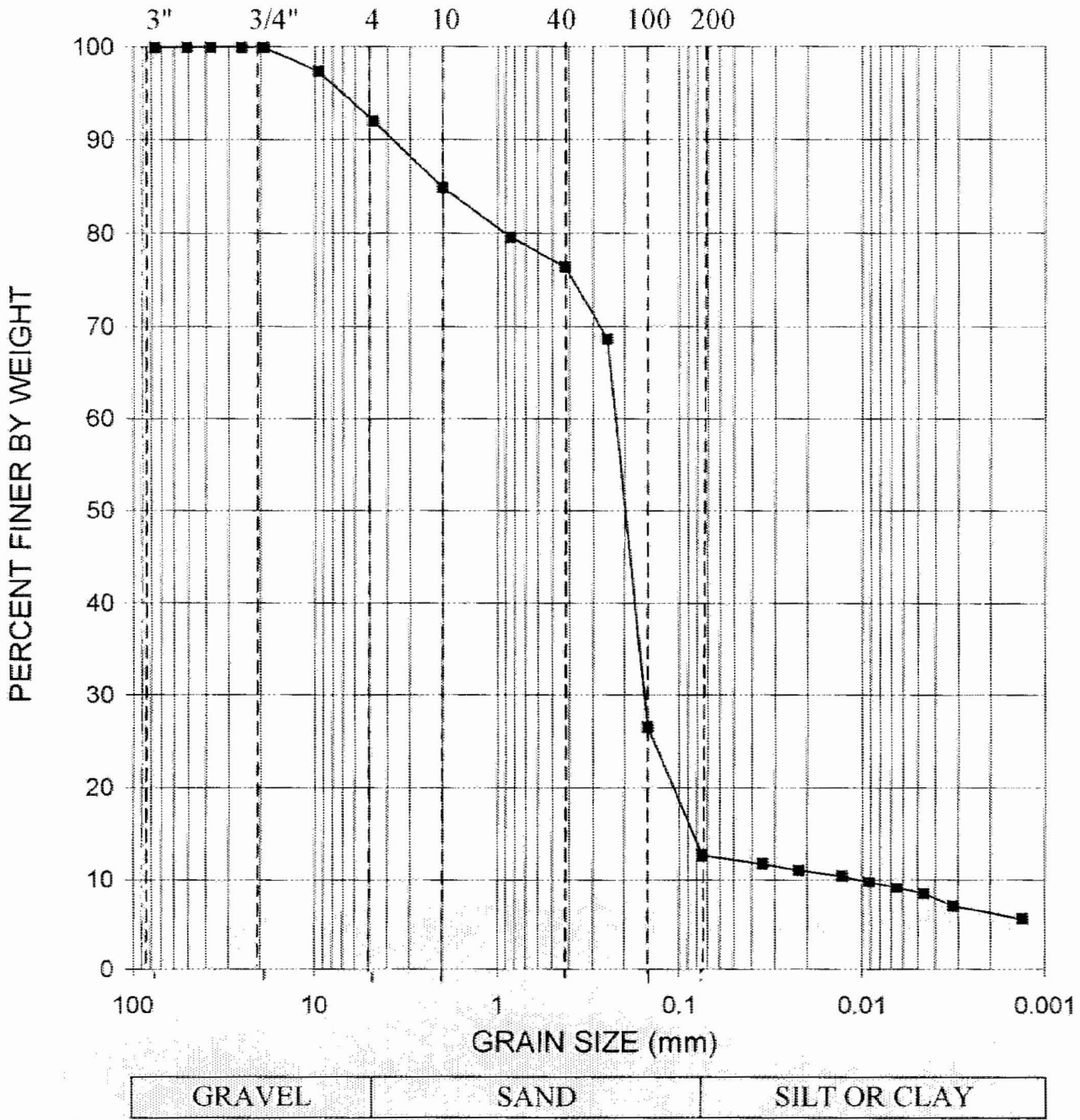
1997

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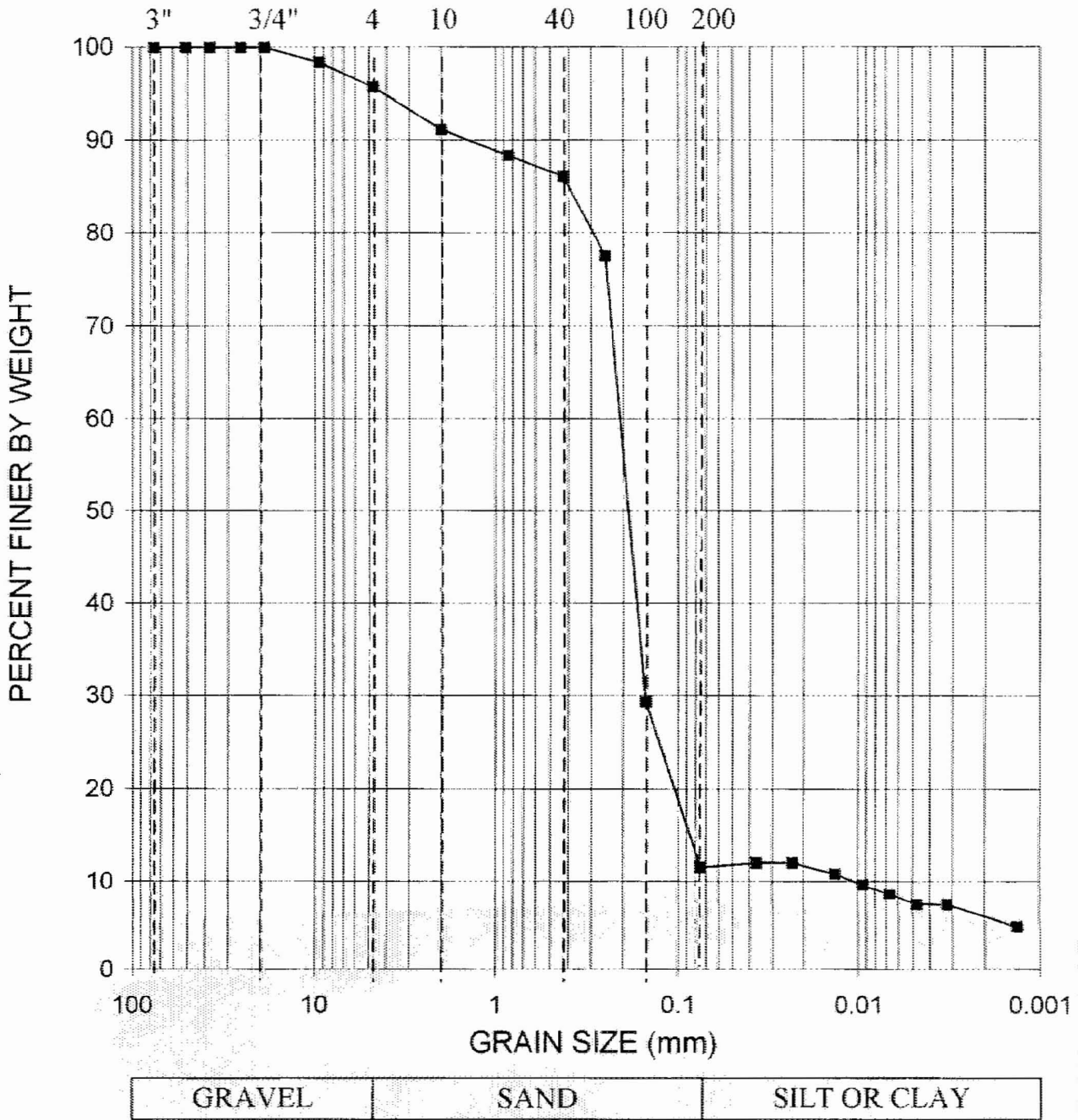
U.S. Standard Sieve Nos.




GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.:	06120048.00	Date:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-711/C-14A	28.5-30.0, 33.5-35.0	Silty SAND, trace shells, dark 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:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-725/ C-15A	48.5-50.0, 53.5-55.0	Poorly Graded SAND, with silt, trace shells, dark gray	SP-SM			