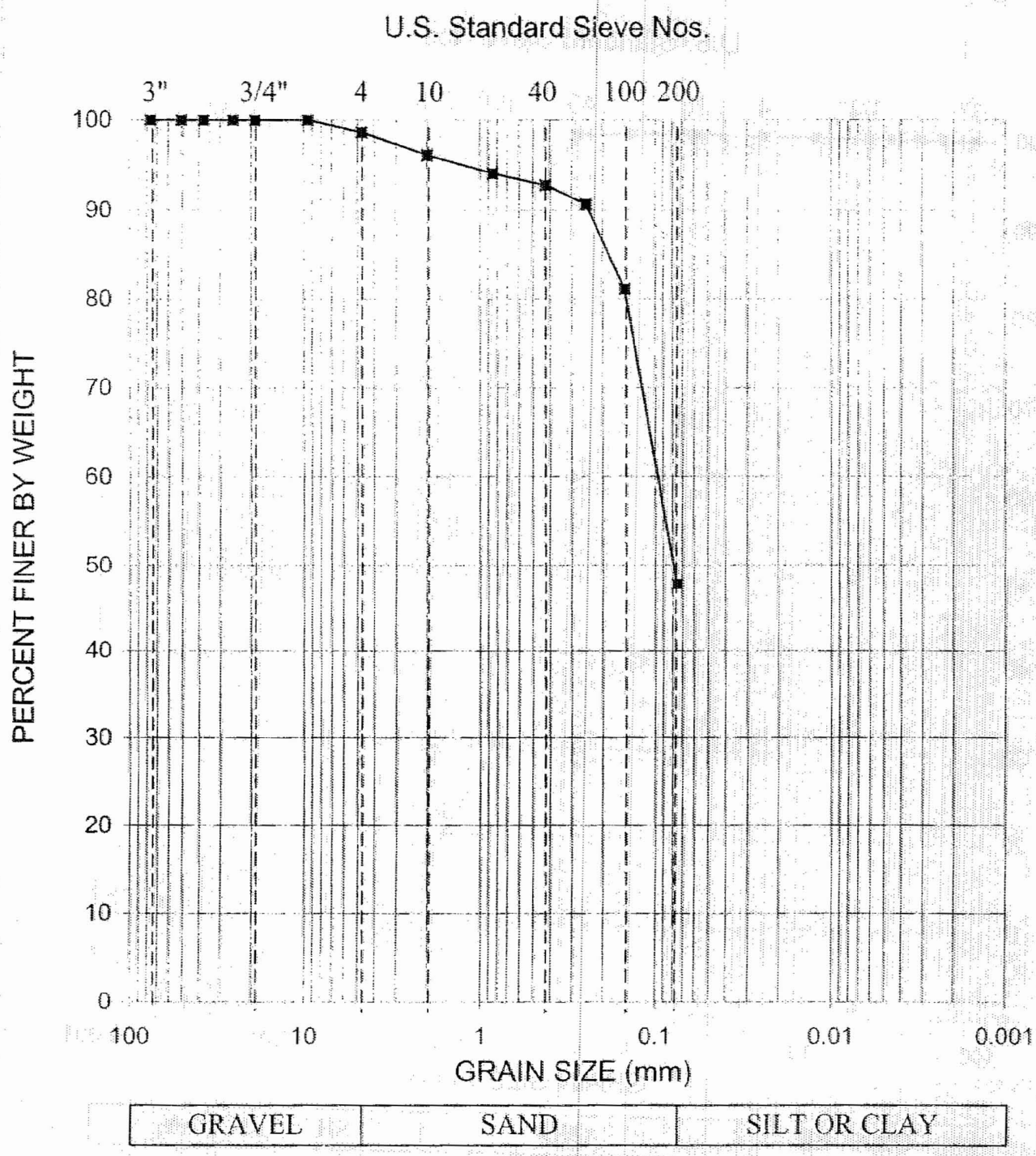


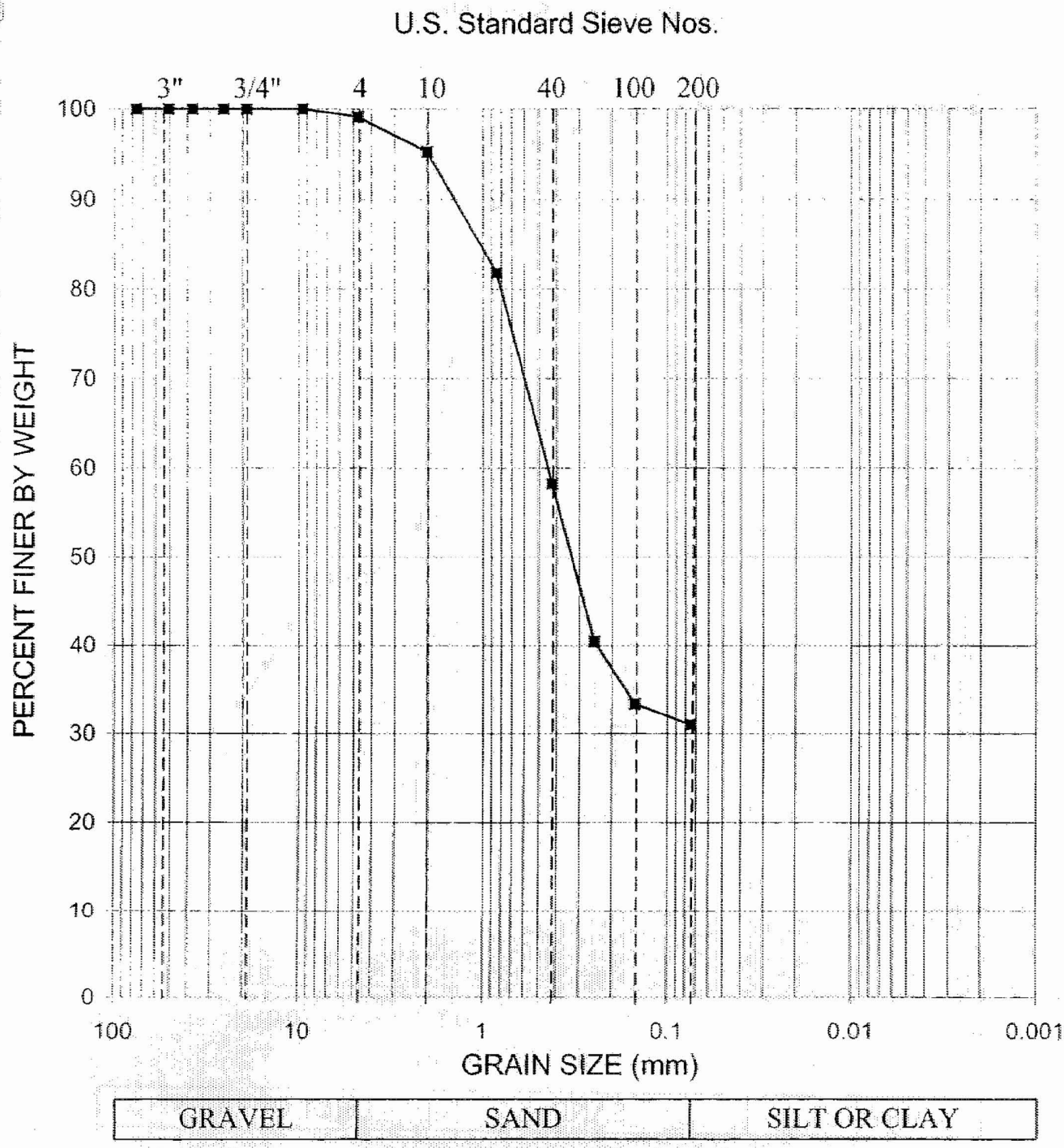
GRADATION CURVE

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-320	148.5	Silty SAND, trace shells, green	SM				

Schnabel

Schnabel Engineering



GRADATION CURVE

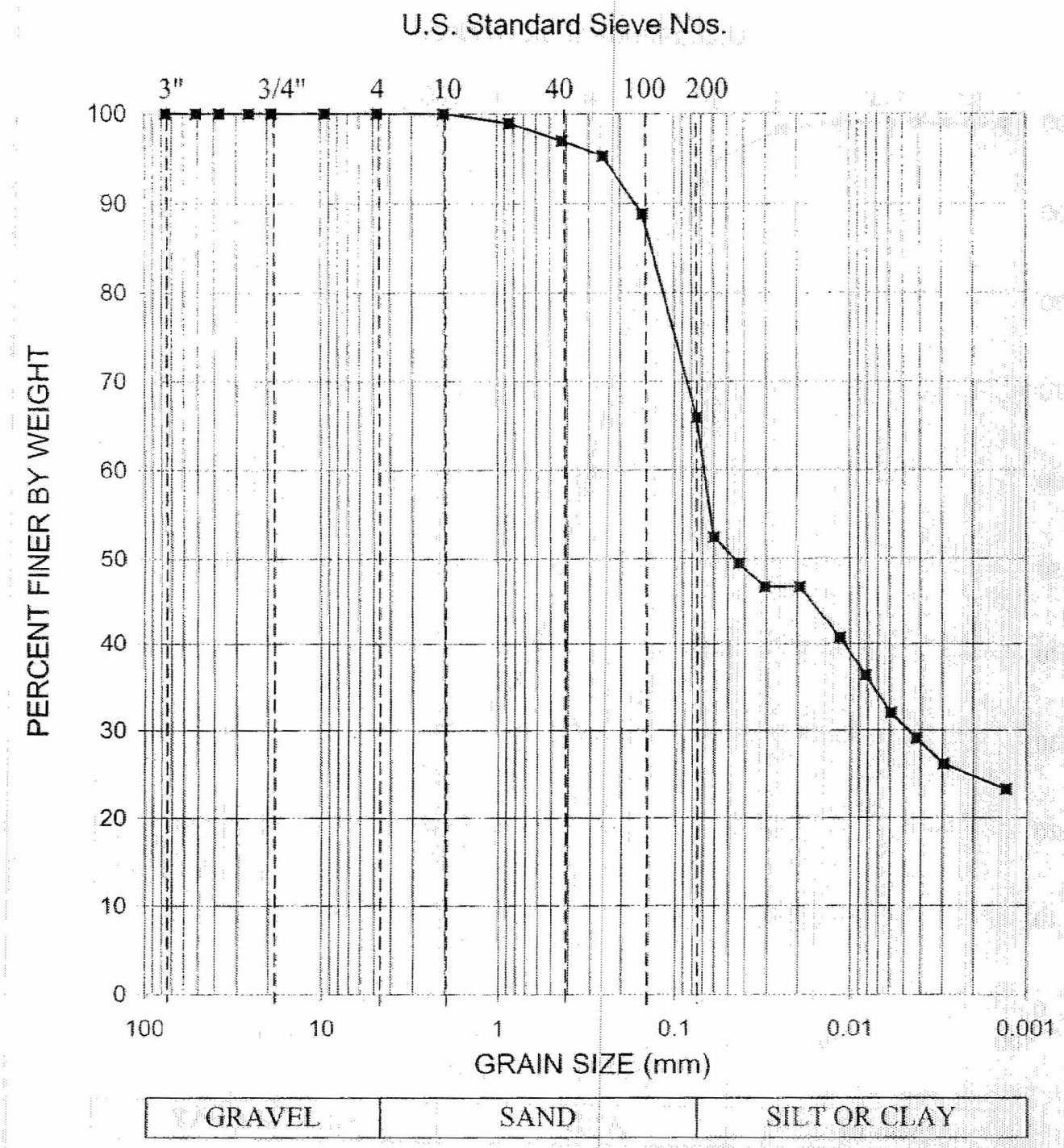
ASTM D422

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-321	2.5	Clayey SAND, trace gravel, brown	SC		

Schnabel

Schnabel Engineering



GRADATION CURVE

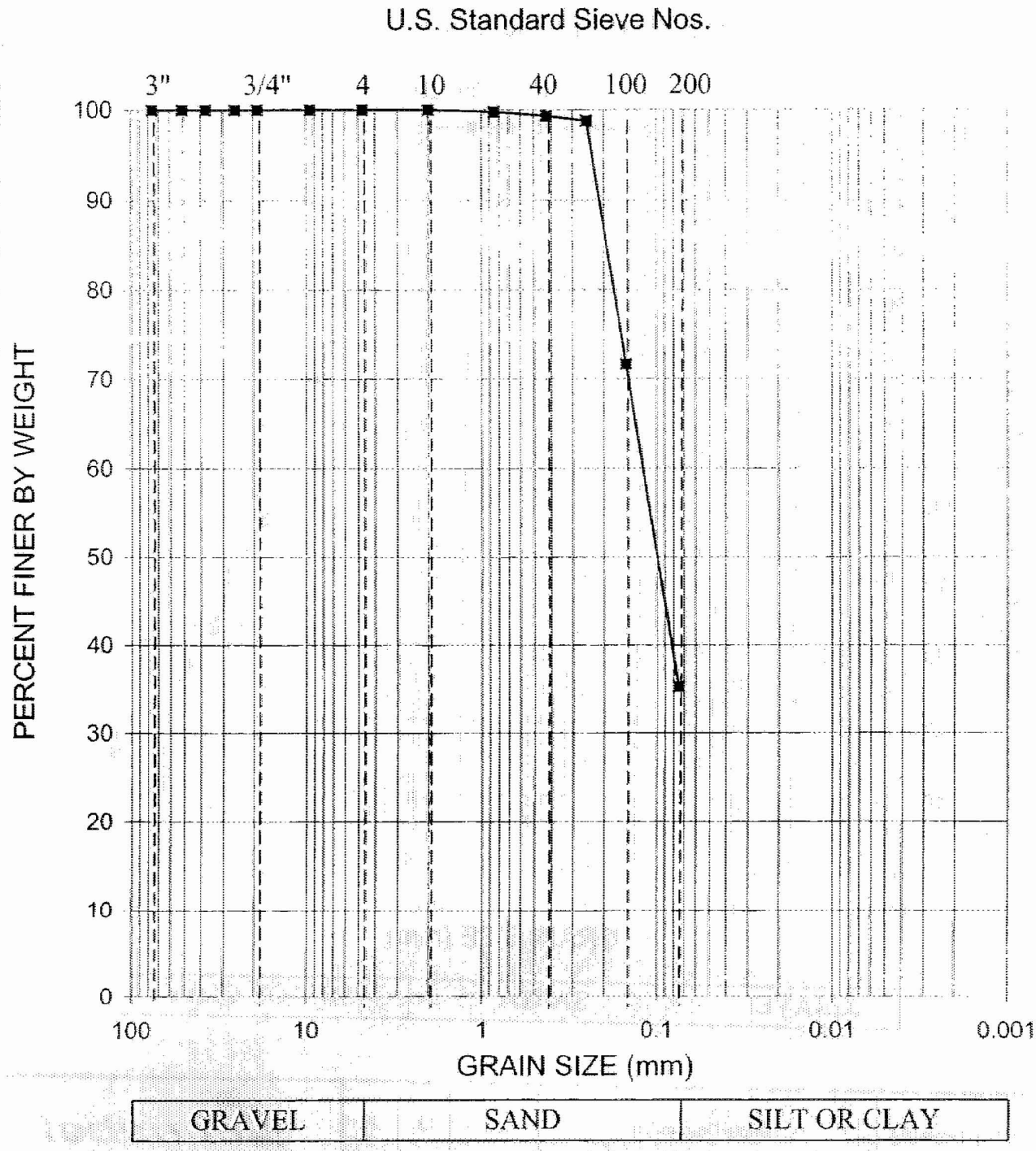
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 9/6/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	10.5	Sandy FAT CLAY, gray-brown	CH	55	35

Schnabel

Schnabel Engineering



GRADATION CURVE

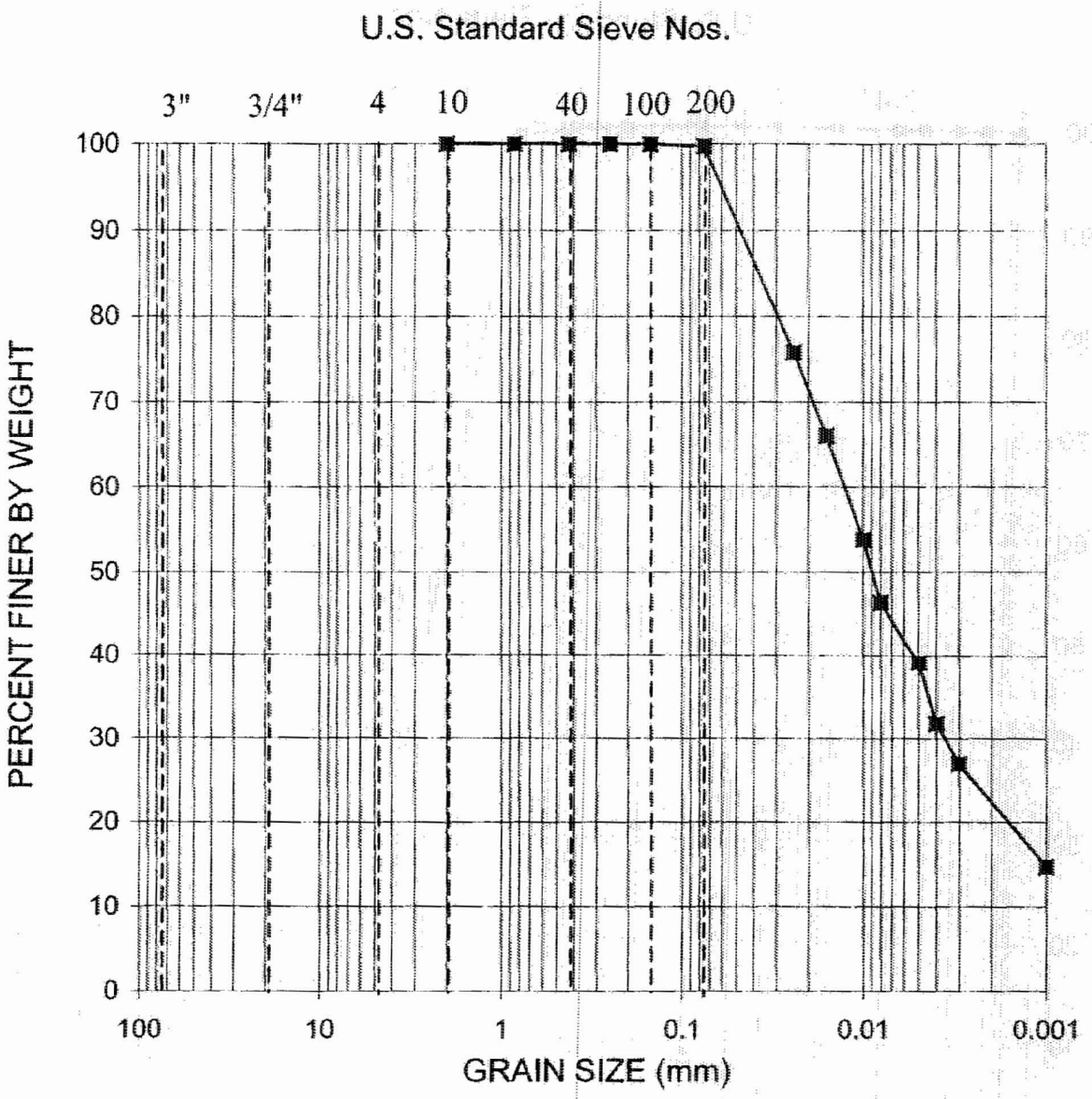
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	8/22/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	18.5	Clayey SAND, dark gray	SC		

Schnabel

Schnabel Engineering



GRAVEL	SAND	SILT OR CLAY

Key	Sample	Depth(ft.)	Sample Description	Class.	LL	PI
■	B-321	23.5-25.5	LEAN CLAY - gray	CL	45	27
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Schnabel

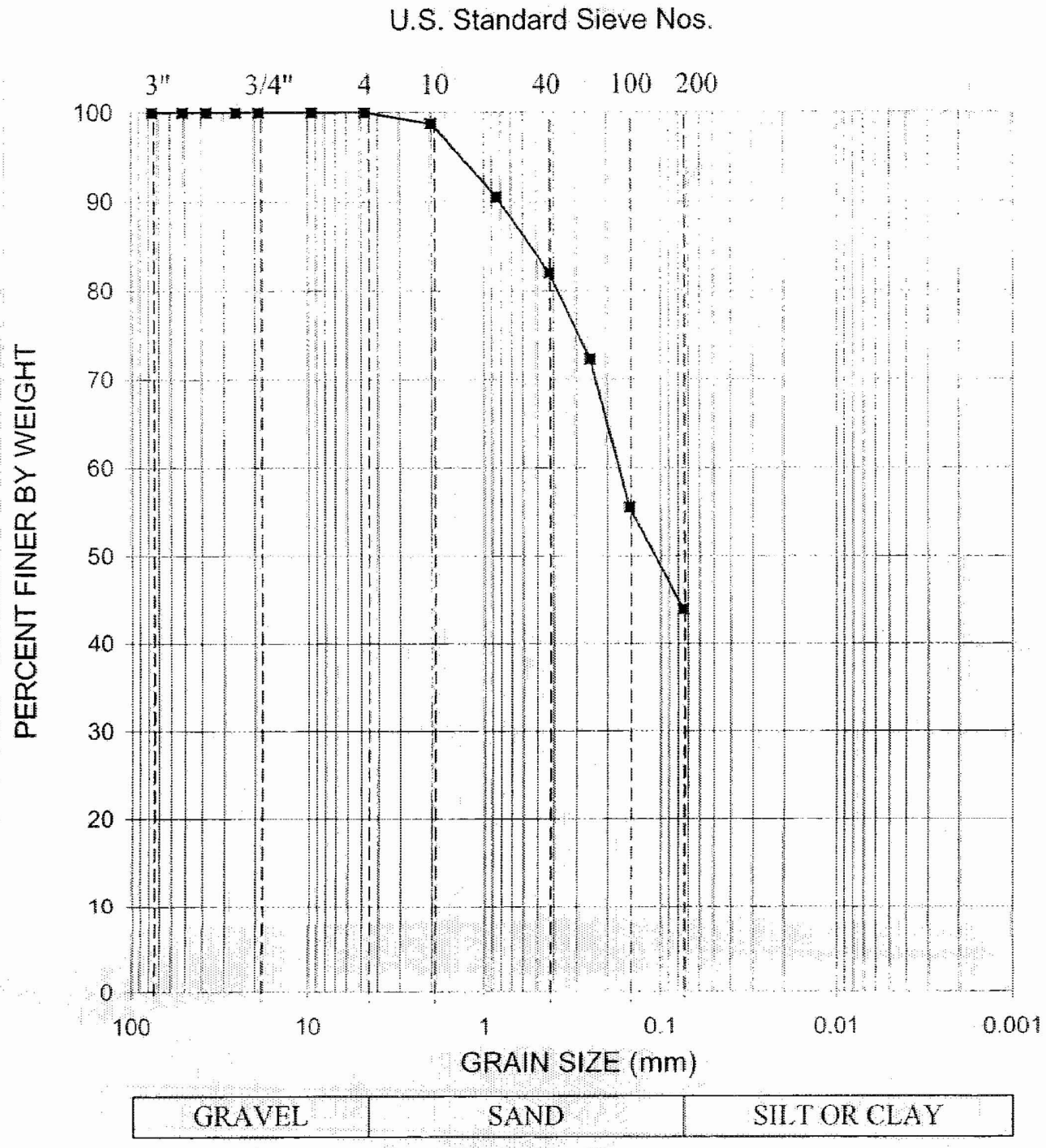
Schnabel Engineering

GRADATION CURVES

Project: Calvert Cliffs Nuclear Power Plant

Contract No. 06120048

Date: 10/26/06 Method: ASTM D422



GRADATION CURVE

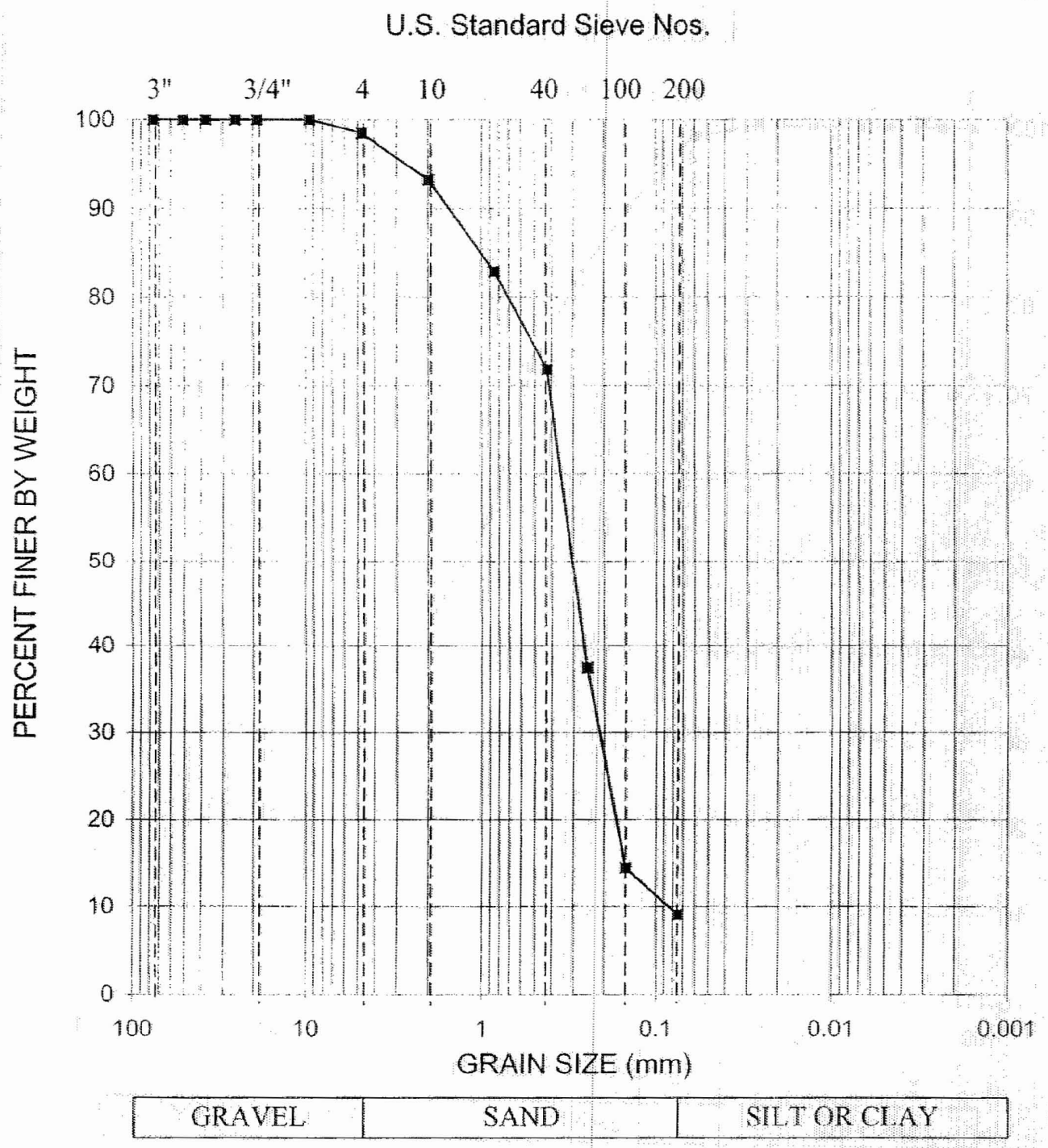
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.	06120048.00	Date:	9/8/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	28.5	Silty SAND, dark green	SM	47	18

Schnabel

Schnabel Engineering

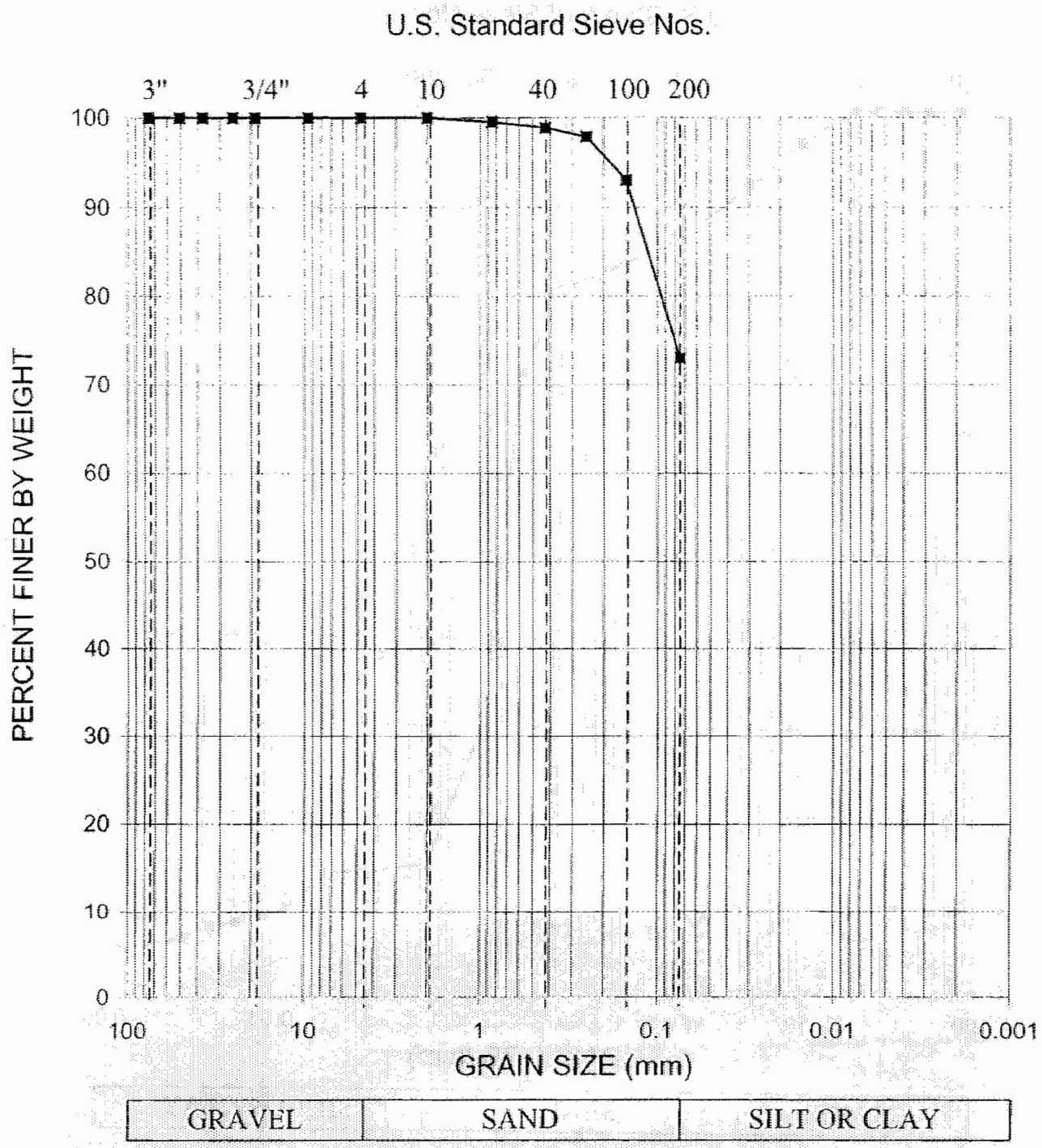


GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.:	06120048.00	Date:	8/22/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-321	38.5	Poorly Graded SAND, with silt, trace shells, gray	SP-SM			

Schnabel Engineering



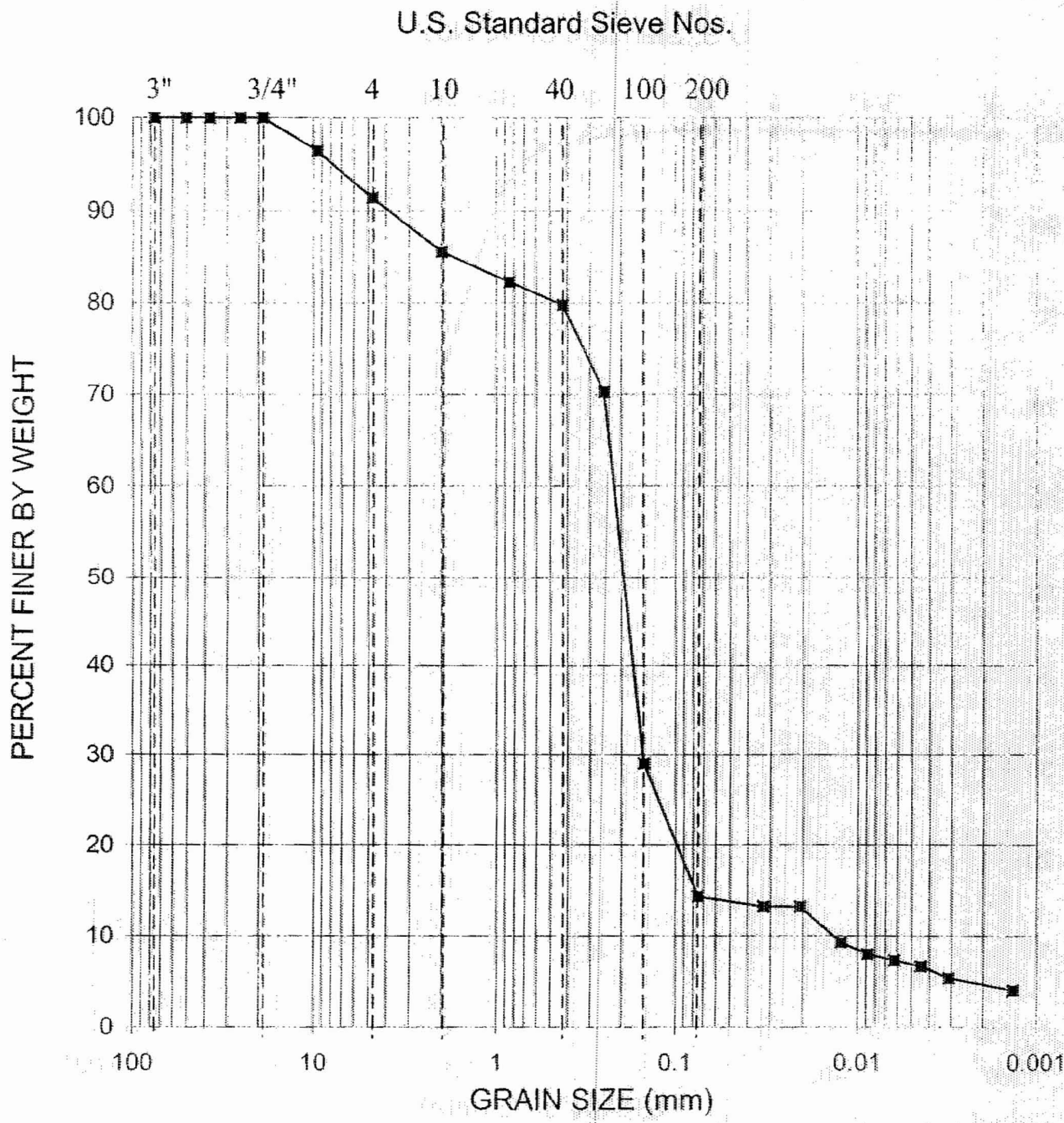
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 8/22/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	48.5	ELASTIC SILT, with sand, gray	MH		

Schnabel Engineering



GRADATION CURVE

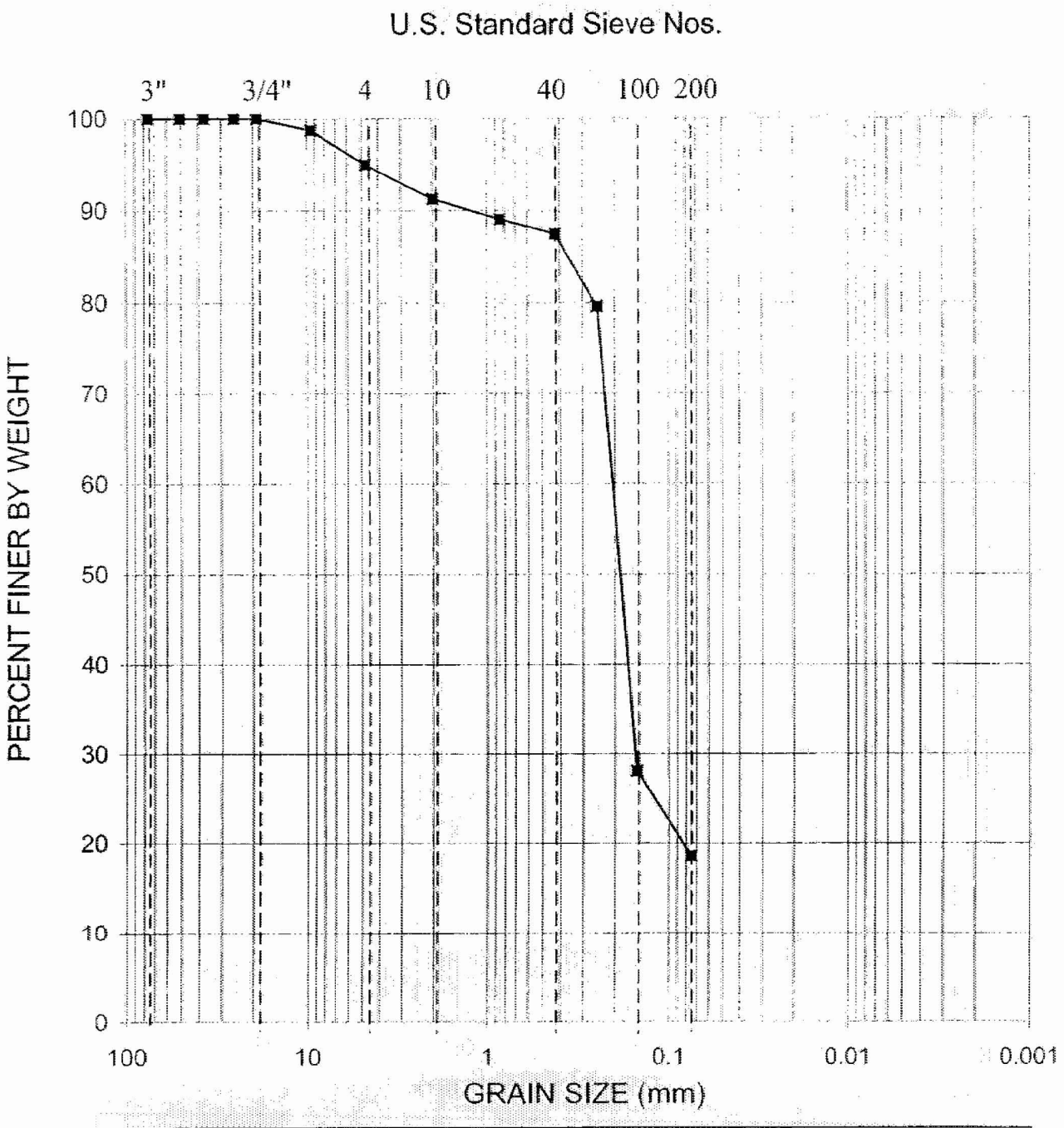
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	9/6/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	53.5	Silty SAND, trace shells, green	SM	NP	NP

Schnabel

Schnabel Engineering



GRADATION CURVE

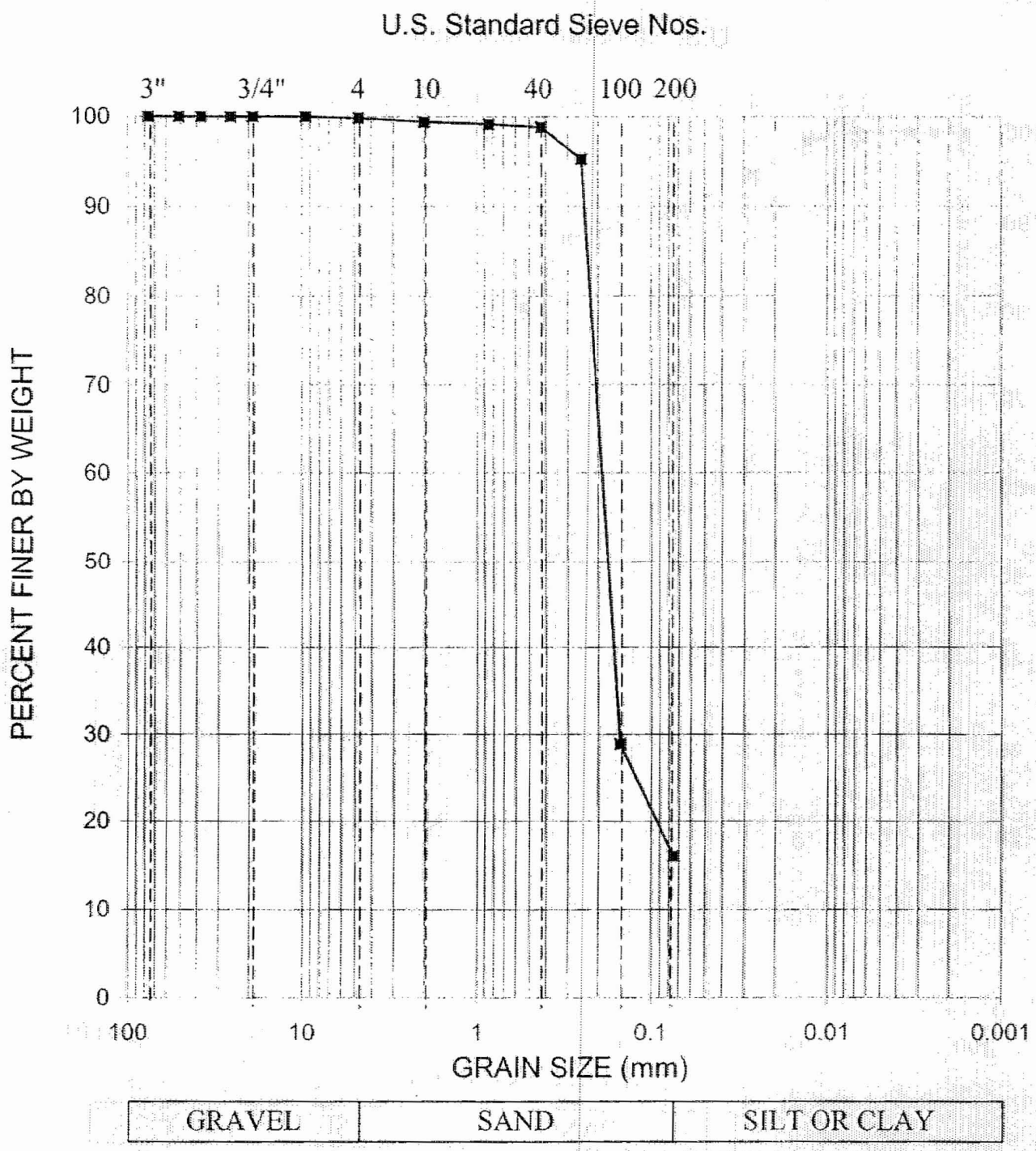
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	8/22/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	58.5	Silty SAND, trace shells, gray	SM		

Schnabel

Schnabel Engineering



GRADATION CURVE

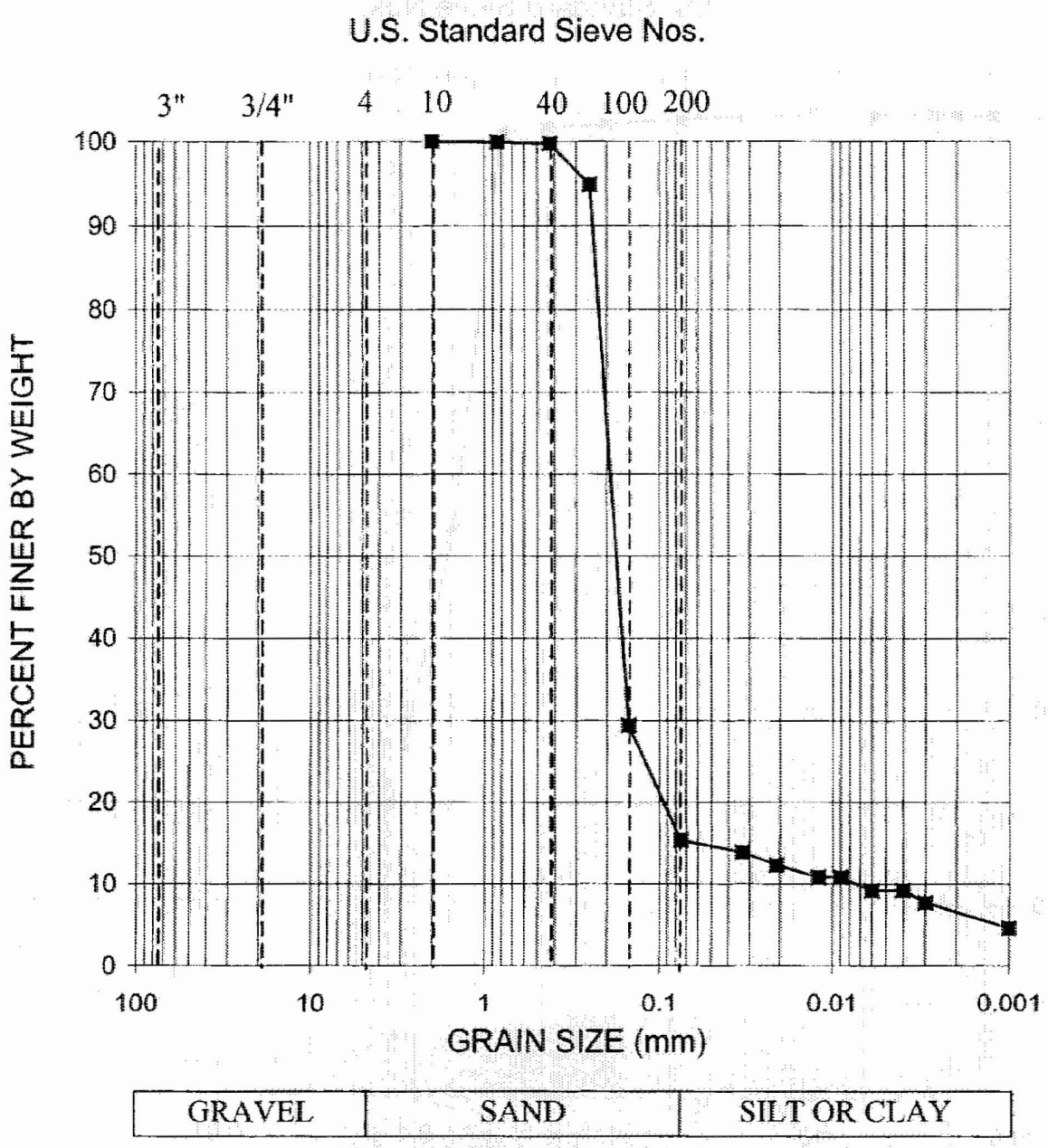
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 8/22/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	68.5	Silty SAND, contains shells green	SM		

Schnabel

Schnabel Engineering



Key	Sample	Depth(ft.)	Sample Description	Class.	LL	PI
■	B-321	73.5-75.5 ft	Fine SILTY SAND - gray	SM	---	NP
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Schnabel

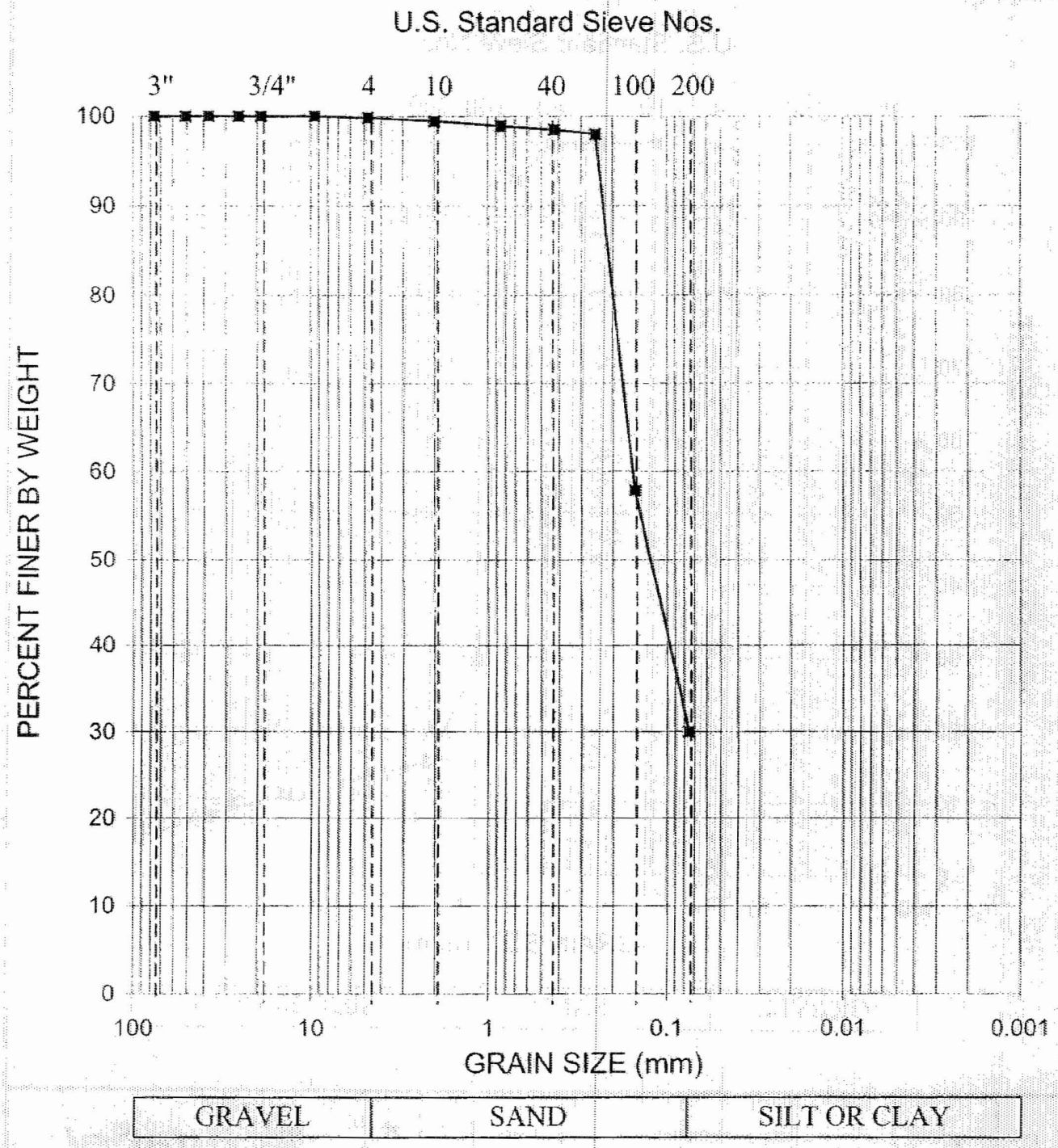
Schnabel Engineering

GRADATION CURVES

Project: Calvert Cliffs Nuclear Power Plant

Contract No. 06120048

Date: 10/20/06 Method: ASTM D422



GRADATION CURVE

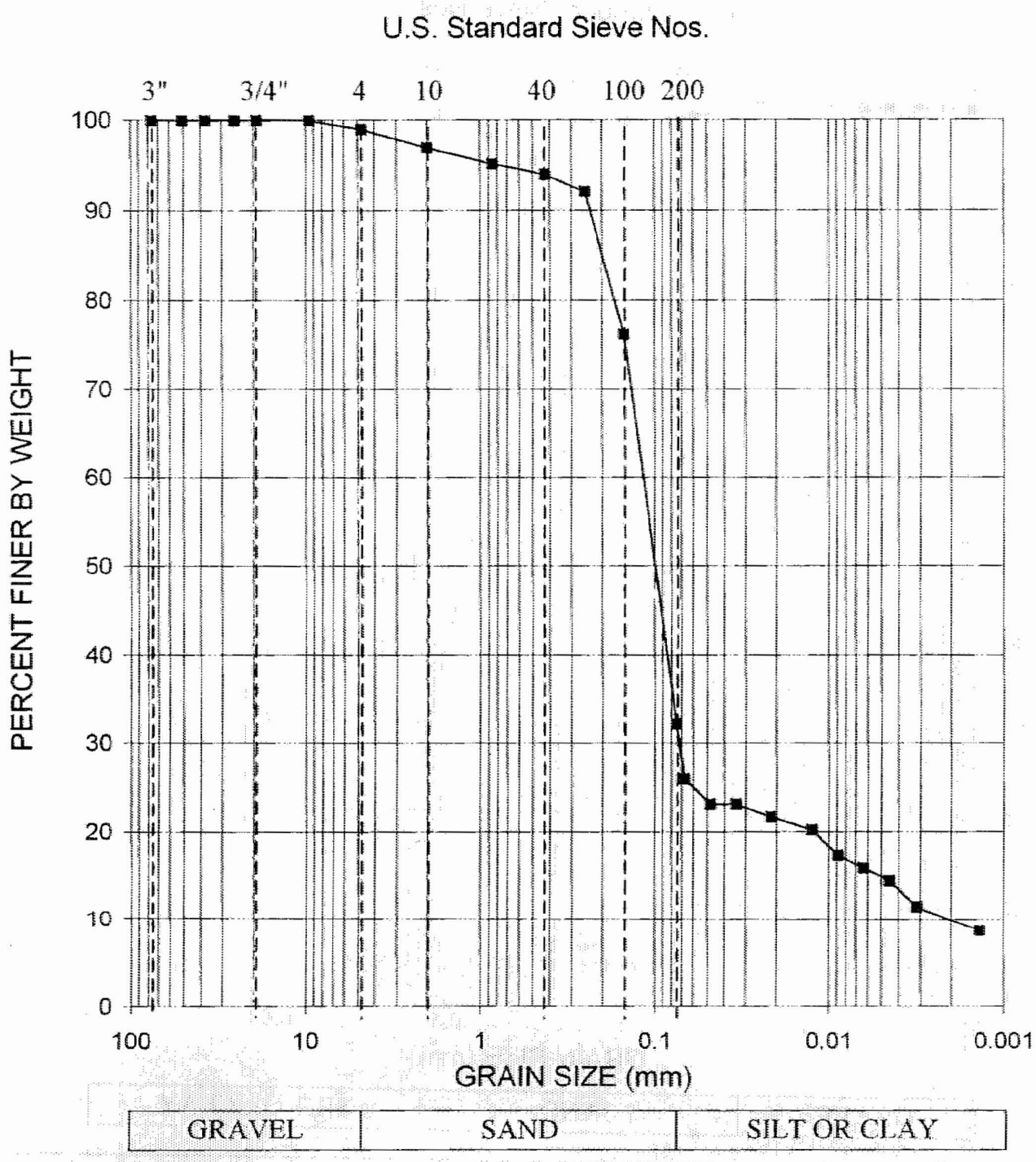
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	8/22/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	88.5	Silty SAND, contains shells, green	SM		

Schnabel

Schnabel Engineering



GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	9/6/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	93.5	Clayey SAND, trace shell fragments, green	SC	59	33

Schnabel

Schnabel Engineering