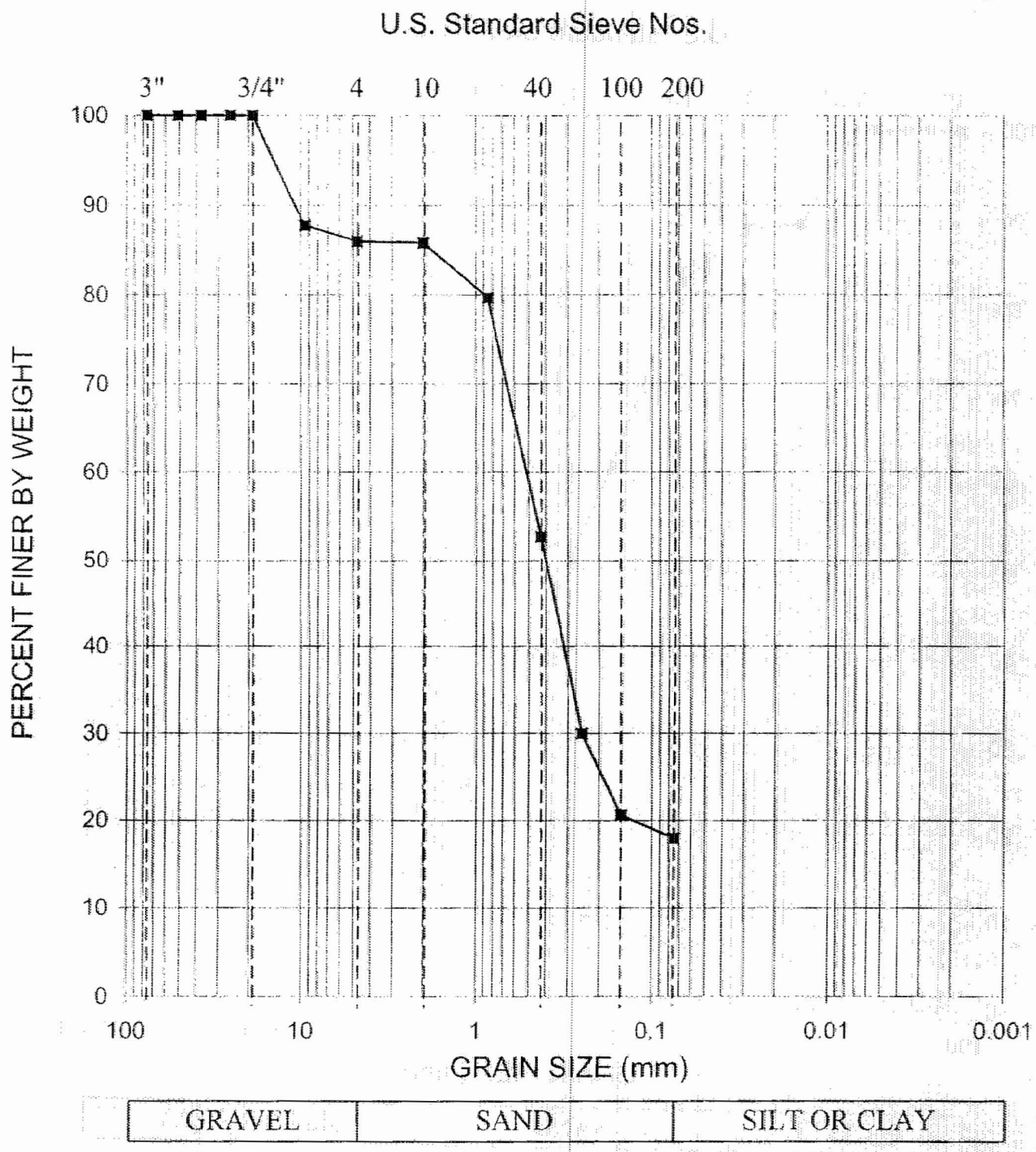


GRADATION CURVE

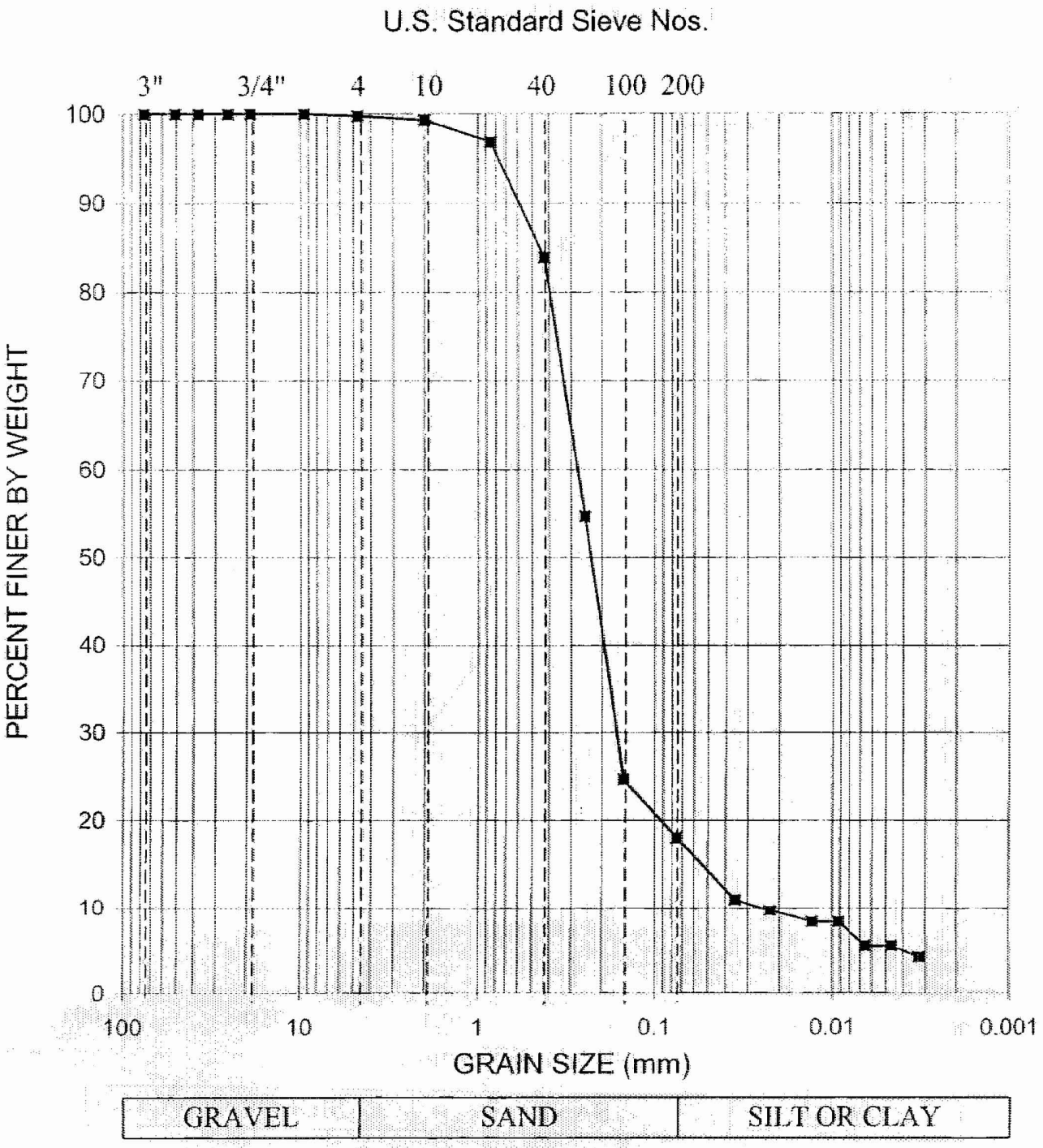
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	8/14/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-301	343.5	CLAYEY SAND, trace cemented sand , black	SC	47	23

Schnabel

Schnabel Engineering



GRADATION CURVE

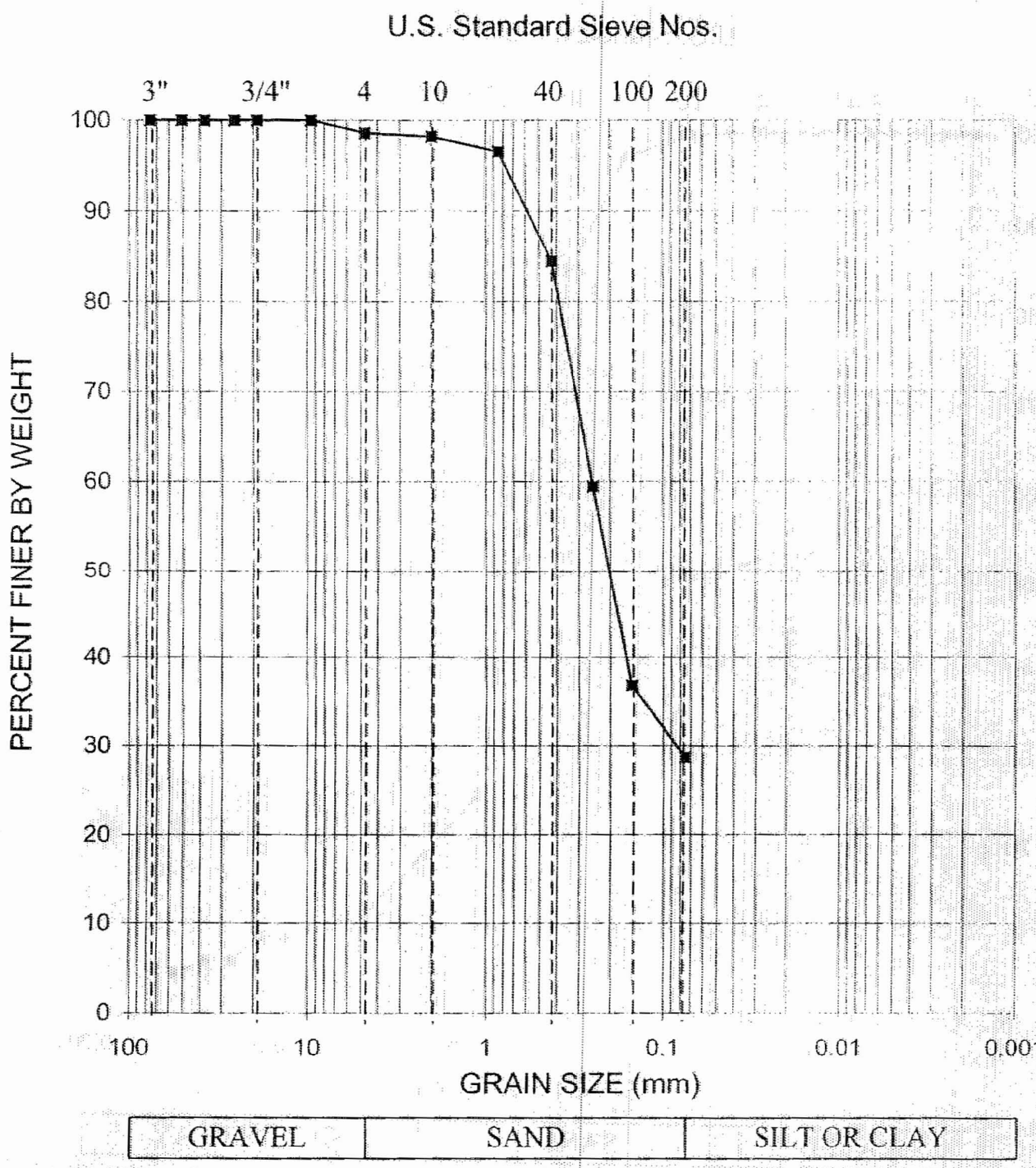
ASTM D422

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-301	353.5	Clayey SAND, black	SC	58	36

Schnabel

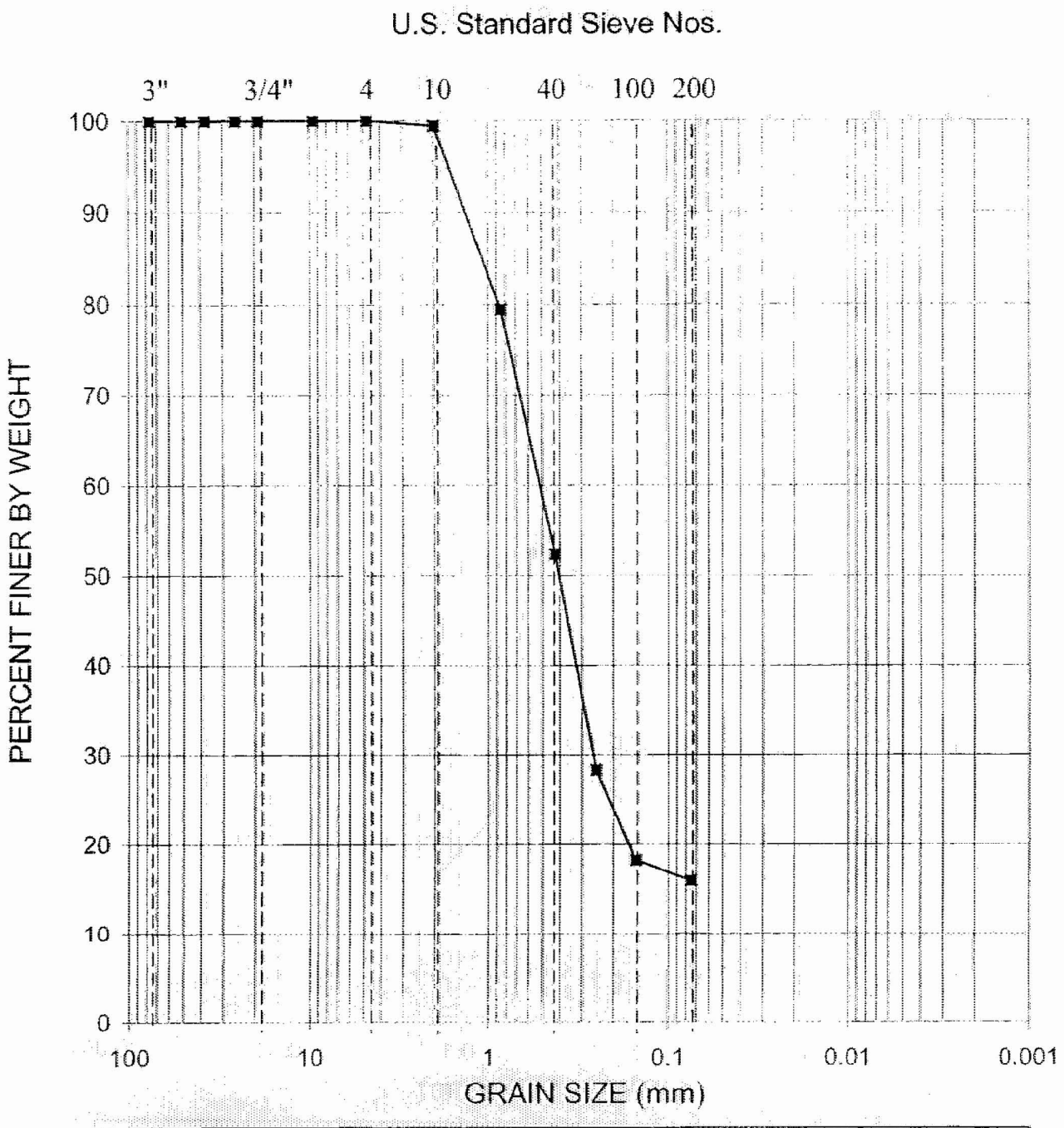
Schnabel Engineering



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-301	363.5	Silty SAND, trace gravel, dark gray	SM	54	18	Schnabel Engineering



GRADATION CURVE

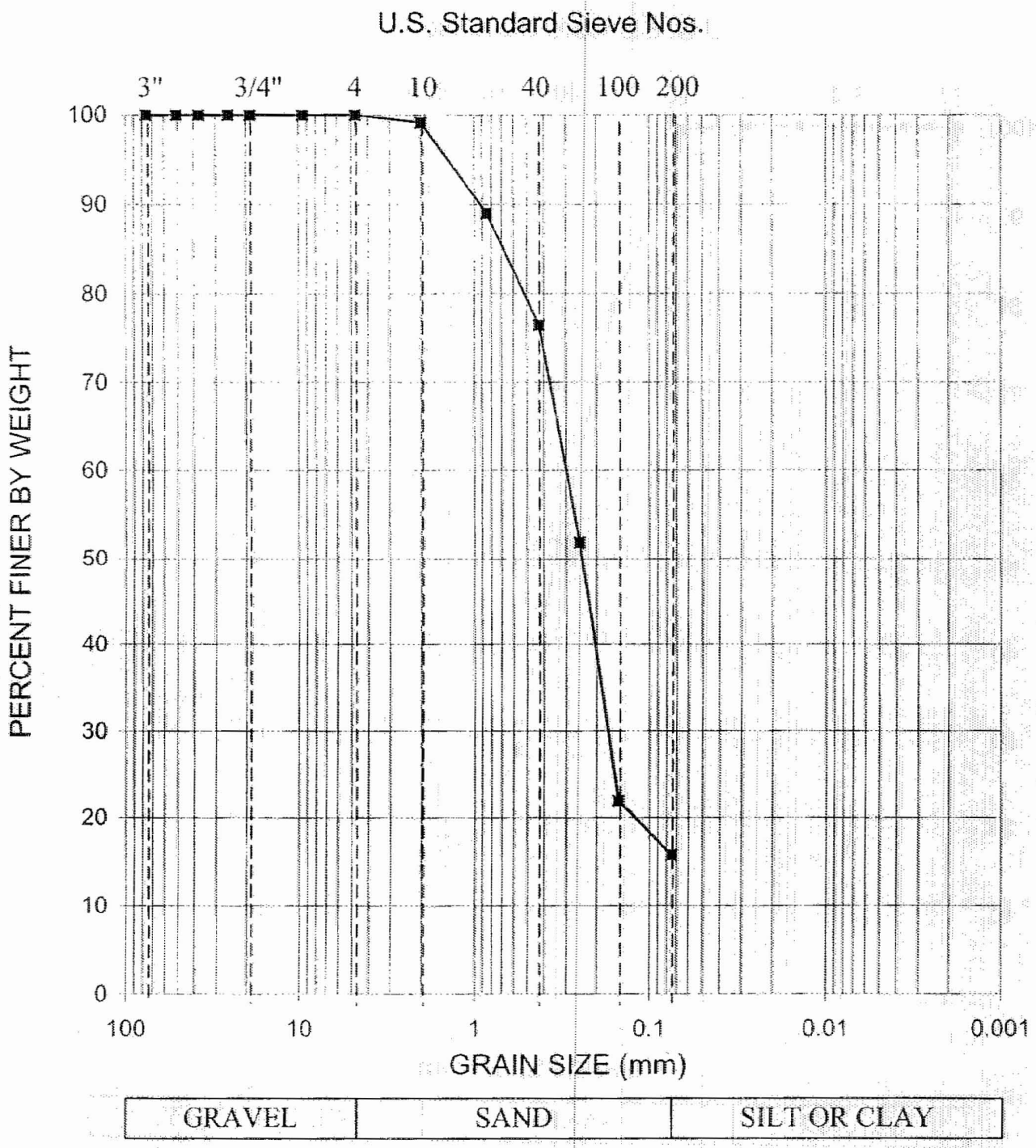
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	8/14/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-301	373.5	Clayey SAND, dark gray	SC	61	35

Schnabel

Schnabel Engineering



GRADATION CURVE

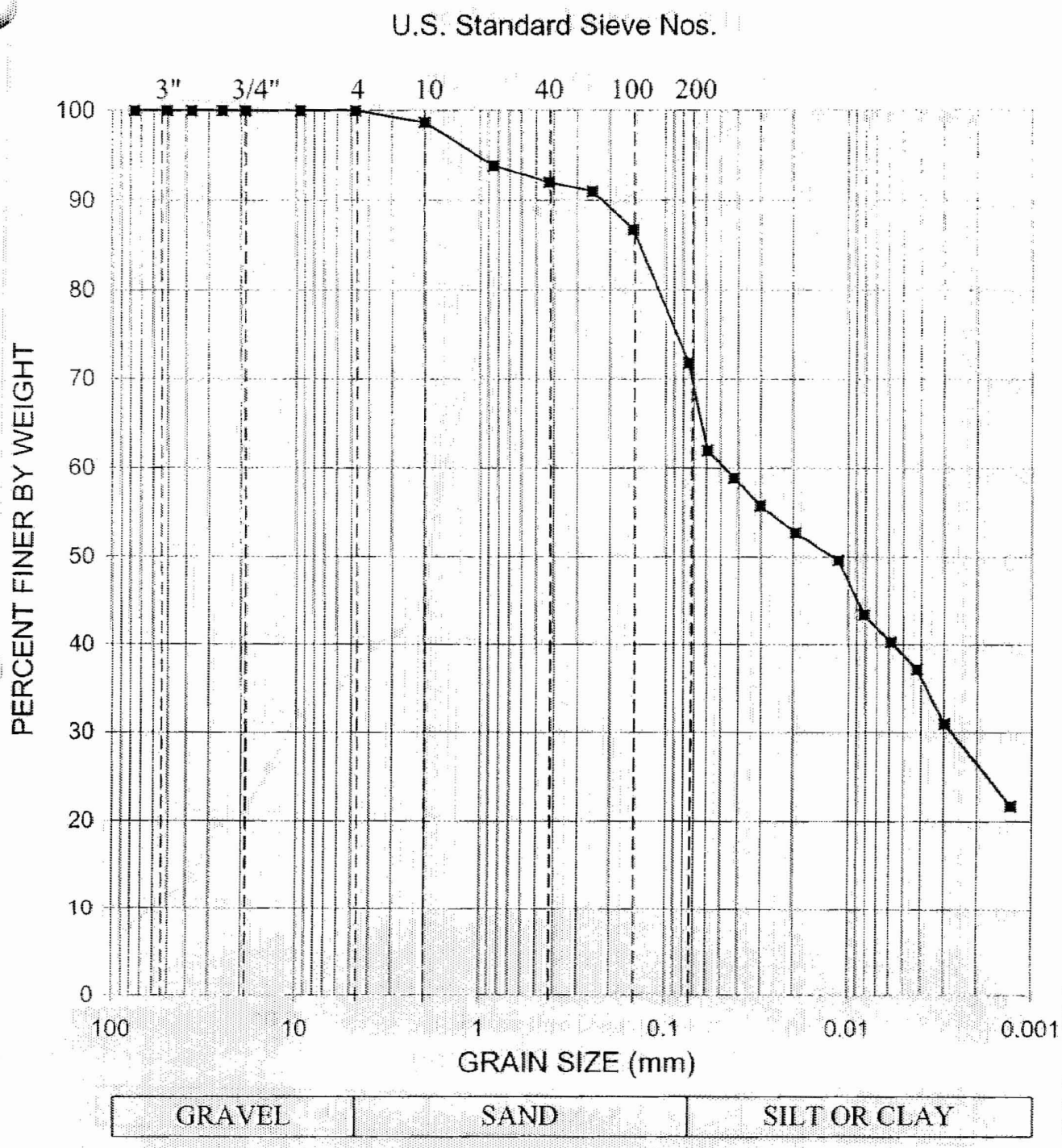
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	8/14/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-301	388.5	Clayey SAND, dark gray	SC		

Schnabel

Schnabel Engineering



GRADATION CURVE

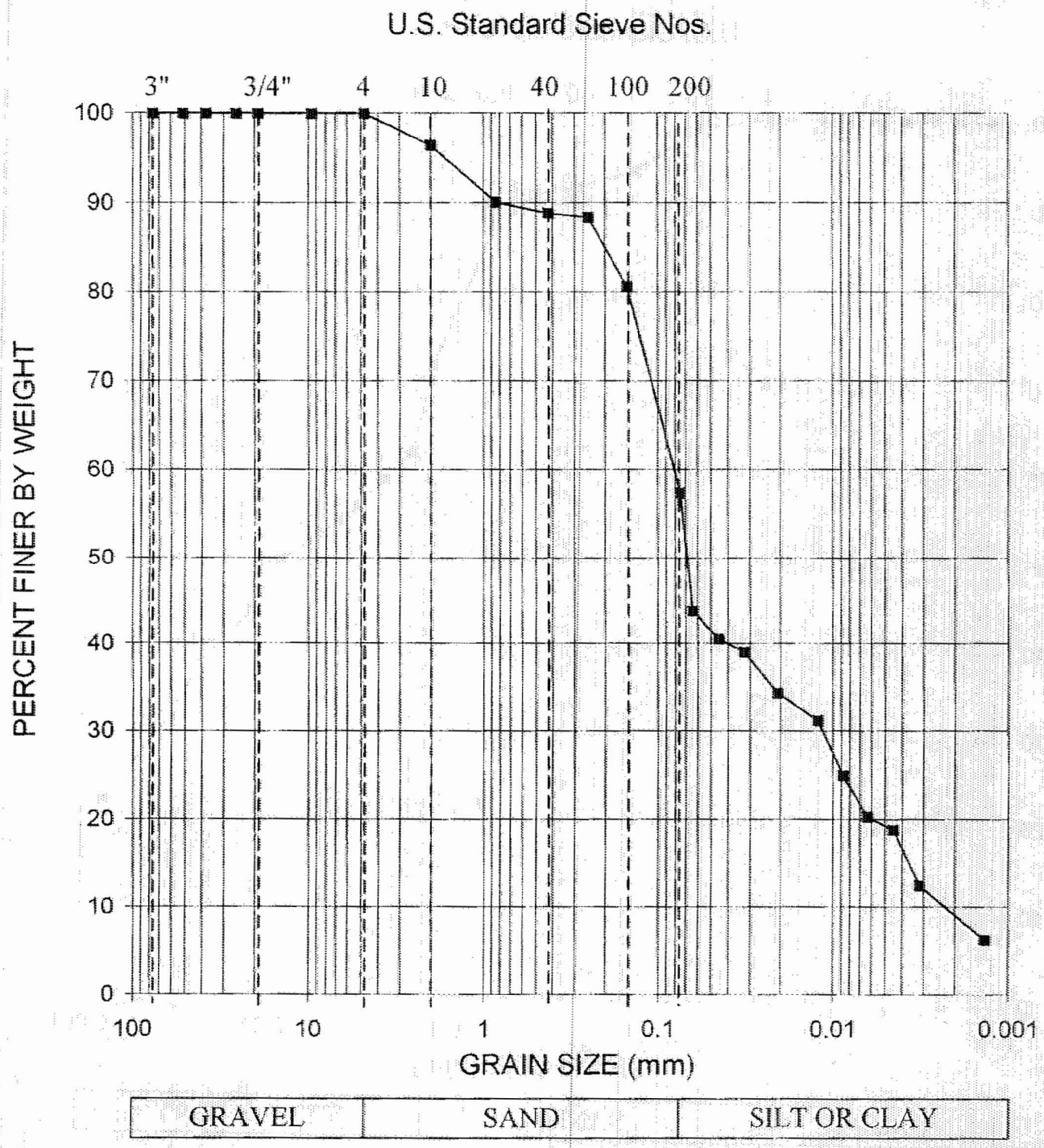
ASTM D422

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

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-304	7.5	FAT CLAY, with sand, brown -gray	CH	57	34

Schnabel

Schnabel Engineering



GRADATION CURVE

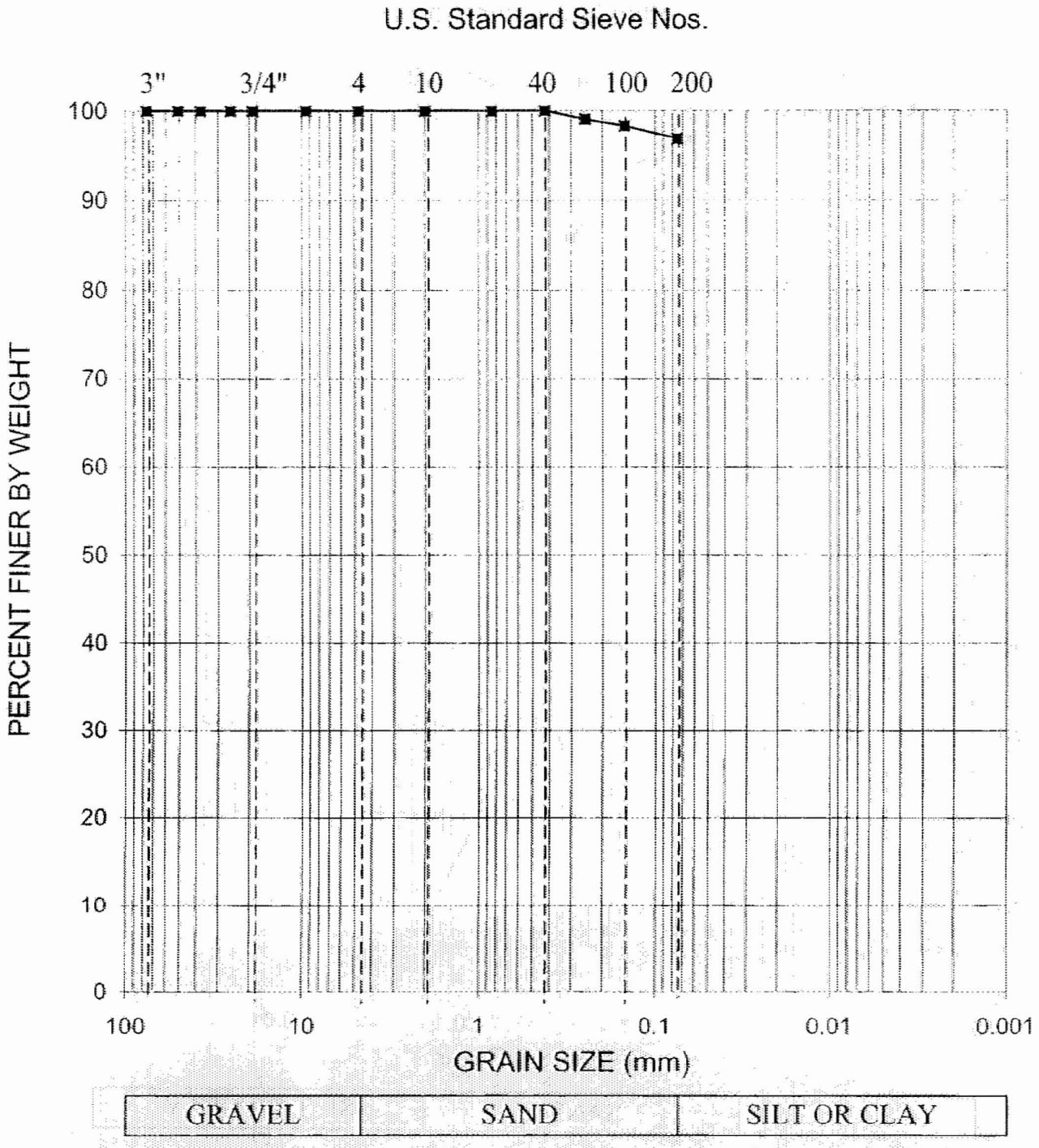
ASTM D422

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-304	10.5	Sandy FAT CLAY, gray	CH	59	40

Schnabel

Schnabel Engineering



GRADATION CURVE

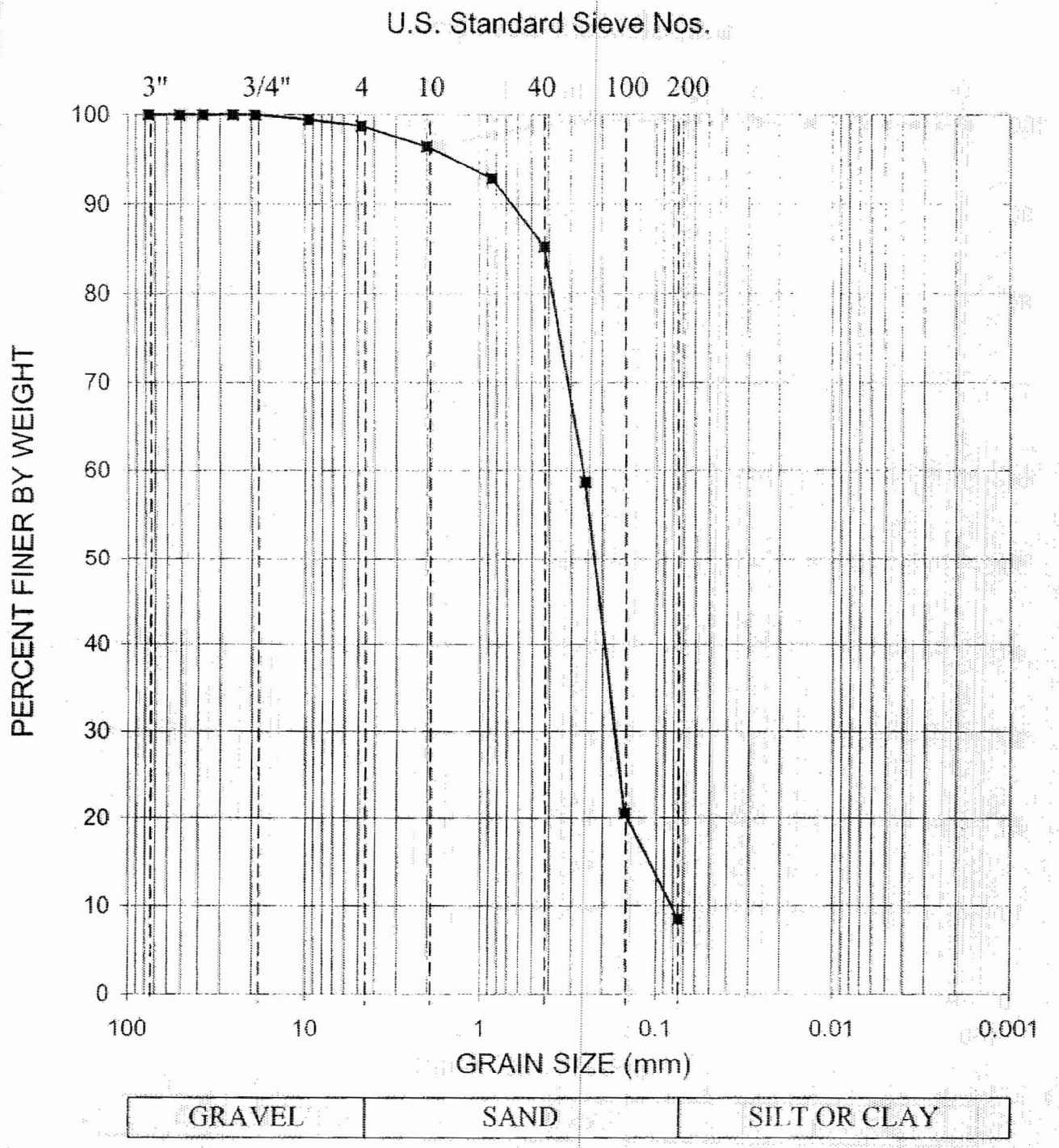
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	8/14/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-304	18.5	FAT CLAY, trace sand. gray	CH	62	41

Schnabel

Schnabel Engineering



GRADATION CURVE

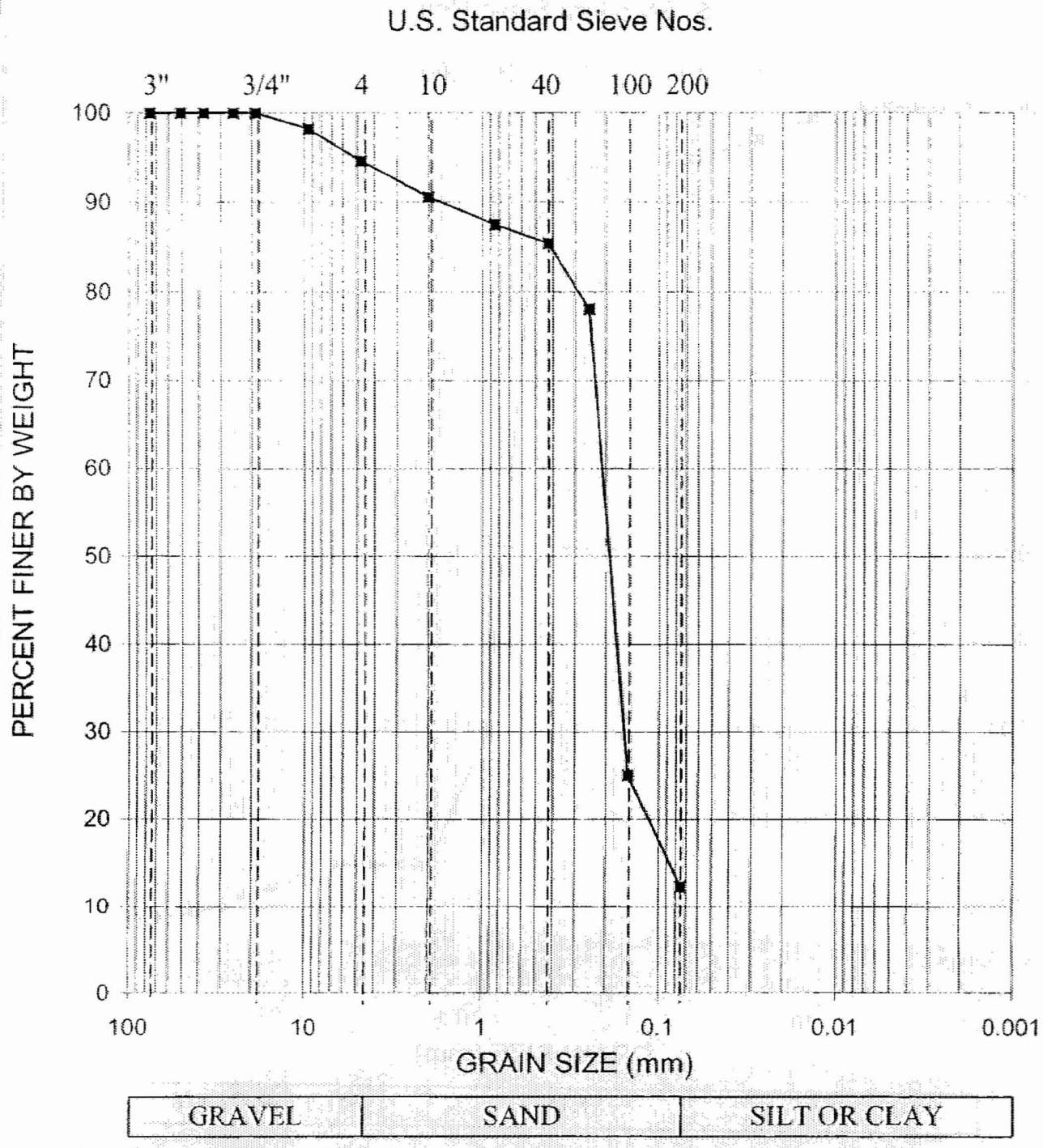
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 8/14/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-304	38.5	Poorly Graded SAND with silt, trace shells, dark green	SP-SM		

Schnabel

Schnabel Engineering



GRADATION CURVE

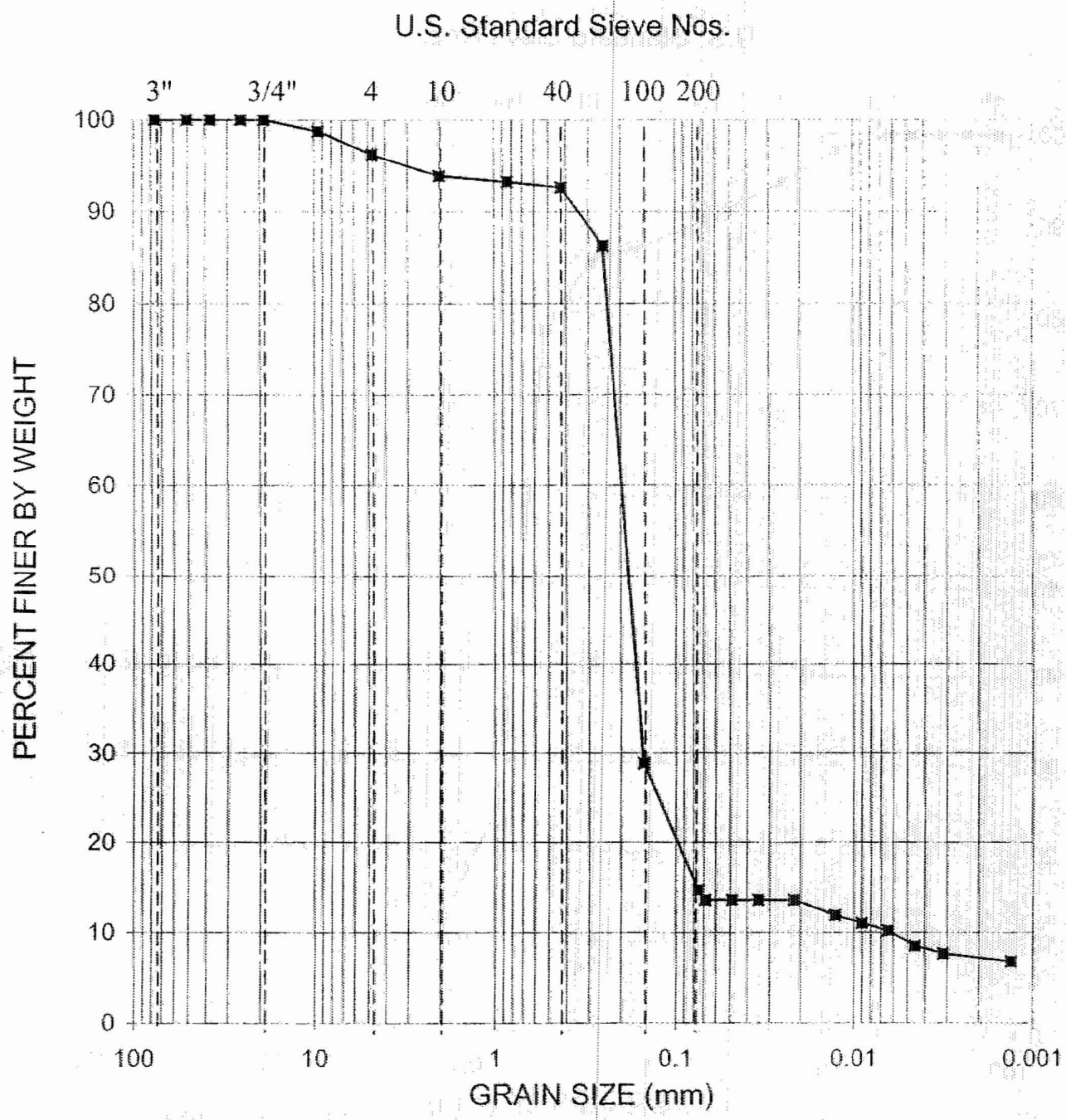
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	8/14/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-304	58.5	Silty SAND, trace shells, gray	SM	NP	NP

Schnabel

Schnabel Engineering



GRADATION CURVE

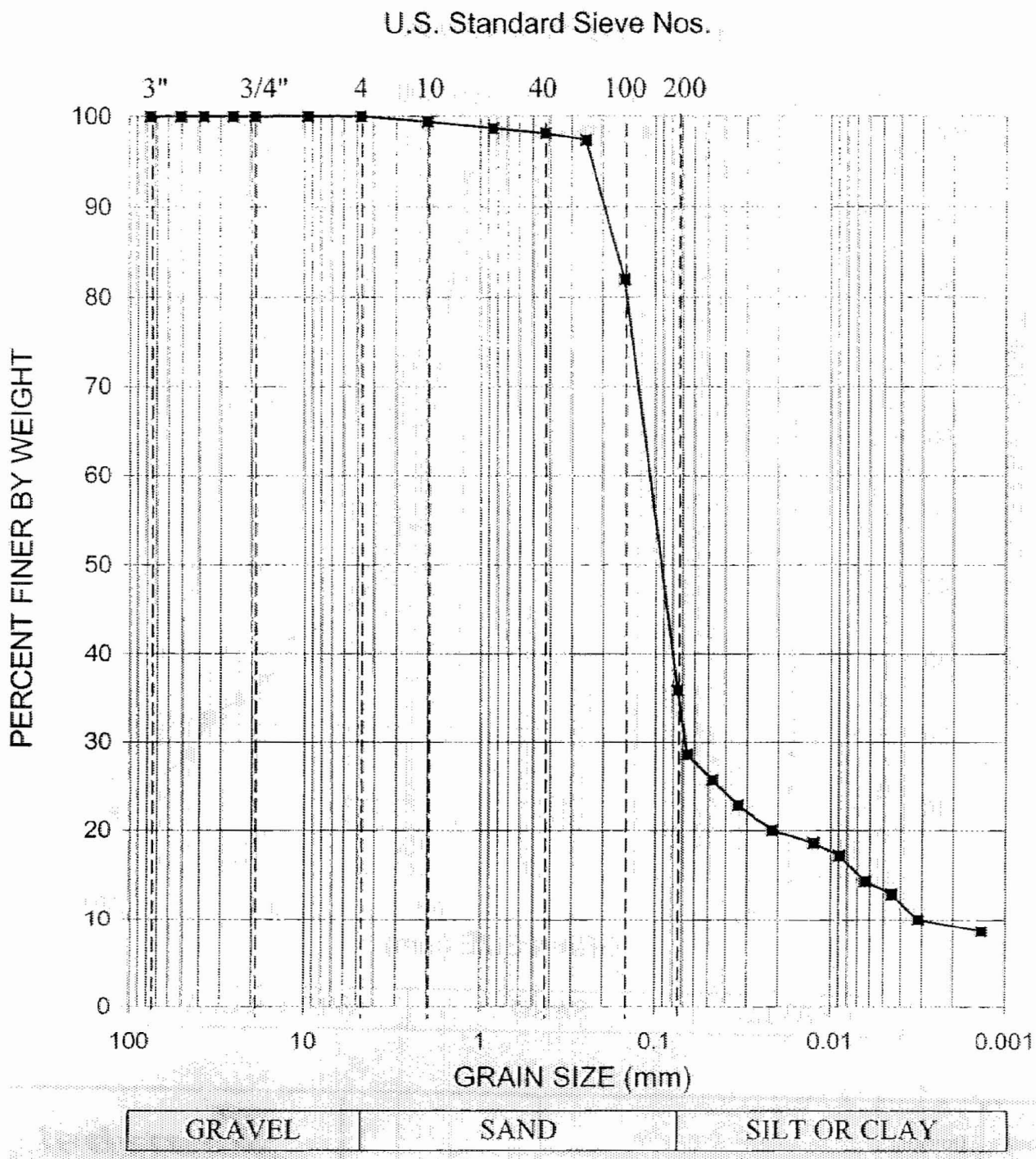
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 8/24/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-304	63.5	Silty SAND with shells, dark green	SM	30	7

Schnabel

Schnabel Engineering



GRADATION CURVE

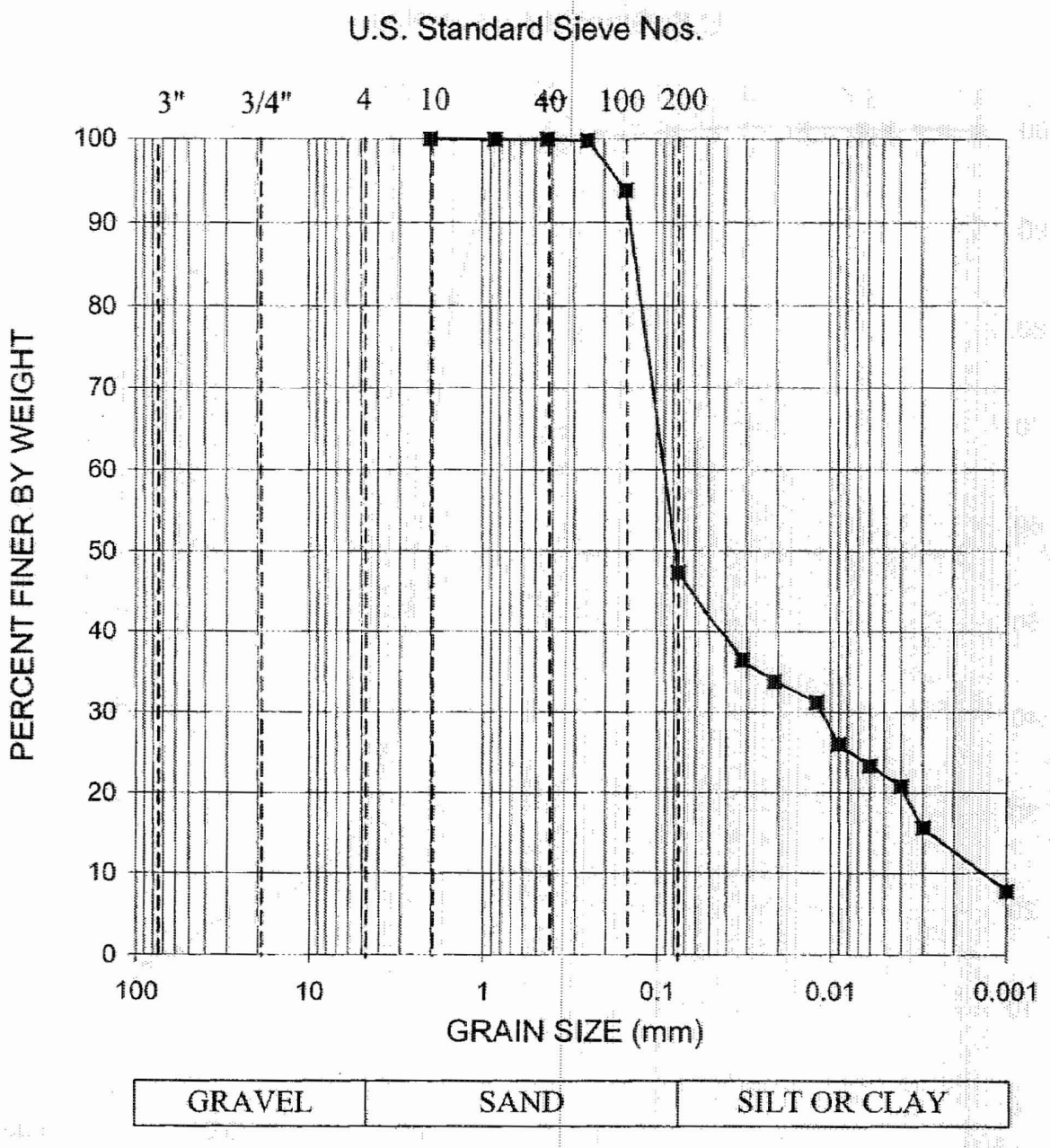
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	8/30/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-304	88.5	Silty SAND, gray	SM	49	21

Schnabel

Schnabel Engineering



Key	Sample	Depth(ft.)	Sample Description	Class.	LL	PI
■	B-304	98.5-99.5 ft	Fine CLAYEY SAND, contains shell fragments - light gray	SC	79	51
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●						

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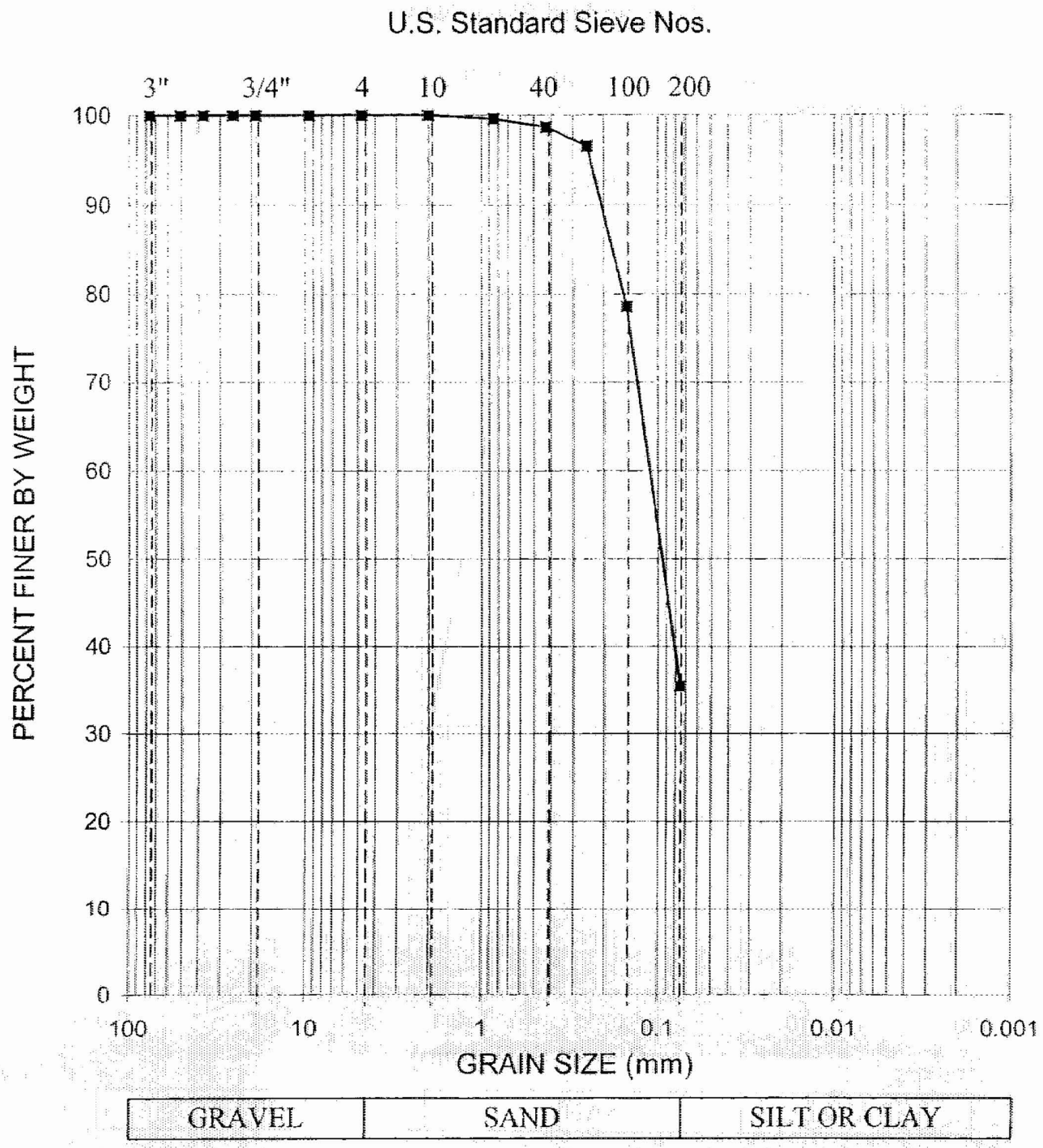
GRADATION CURVES

Project: Calvert Cliffs Nuclear Power Plant

Contract No. 06120048

Date: 10/16/06 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:	8/14/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-304	103.5	Clayey SAND, gray	SC		

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