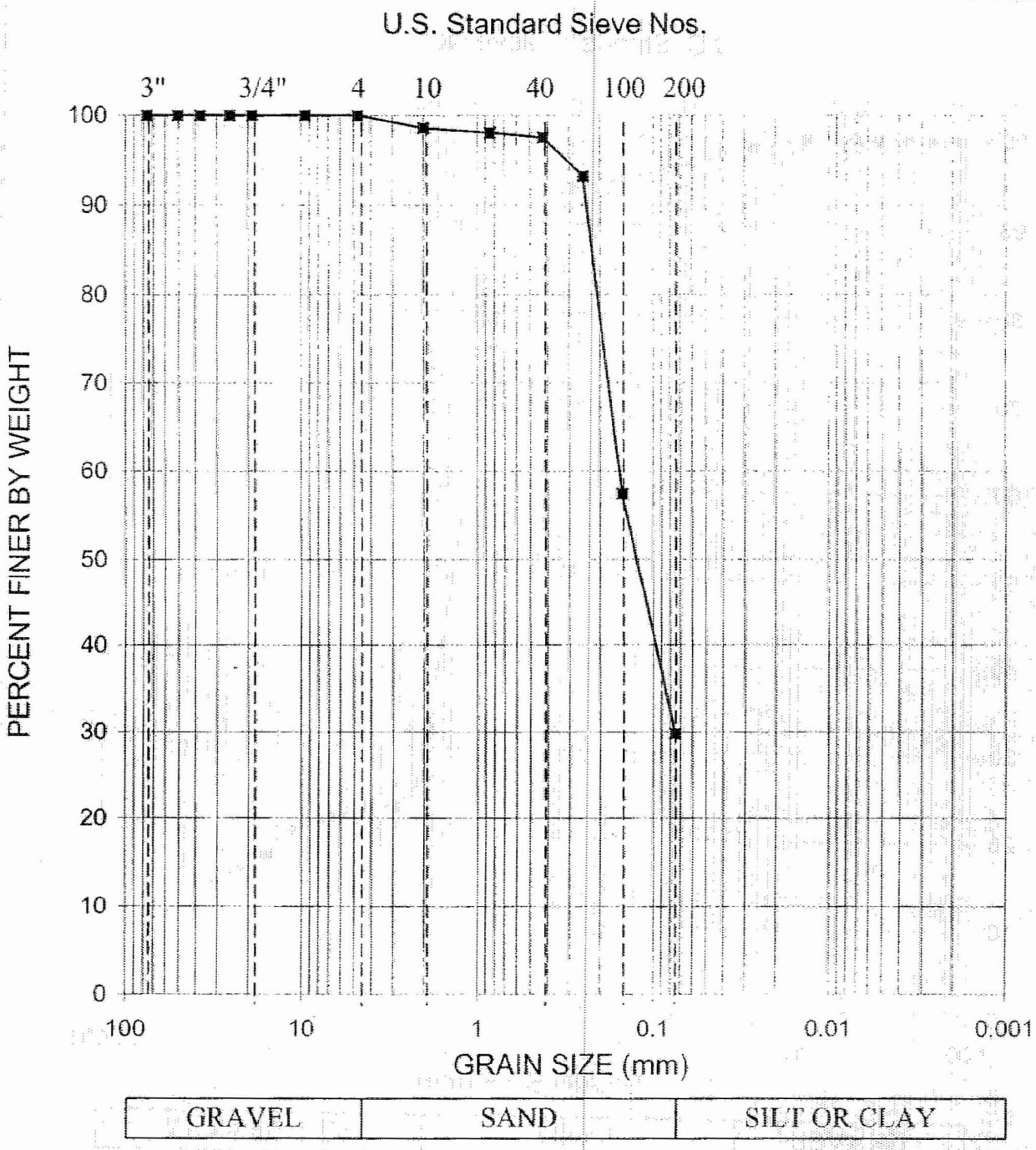


GRADATION CURVE

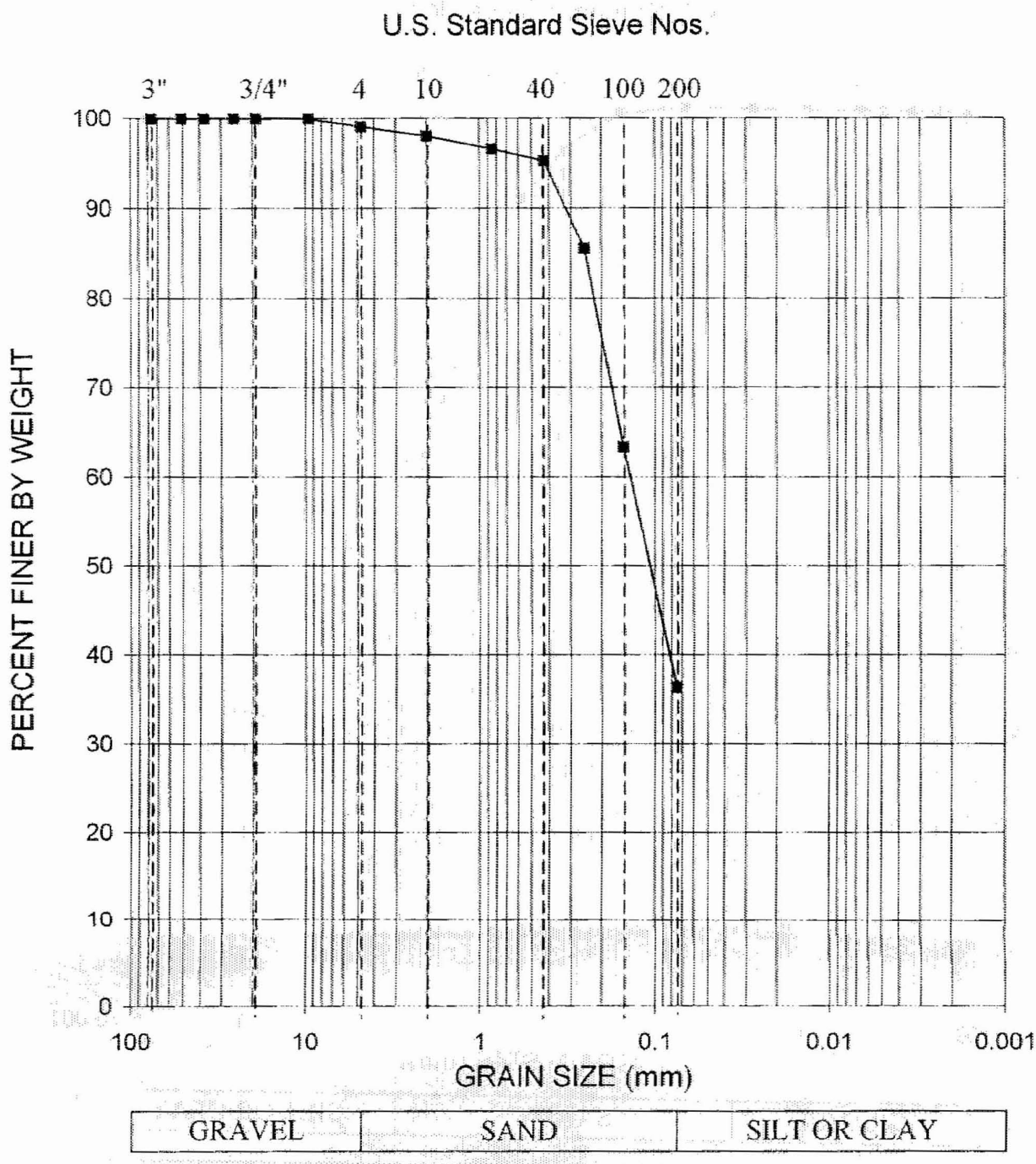
ASTM D422

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	98.5	Silty SAND, dark green	SM		

Schnabel

Schnabel Engineering



GRADATION CURVE

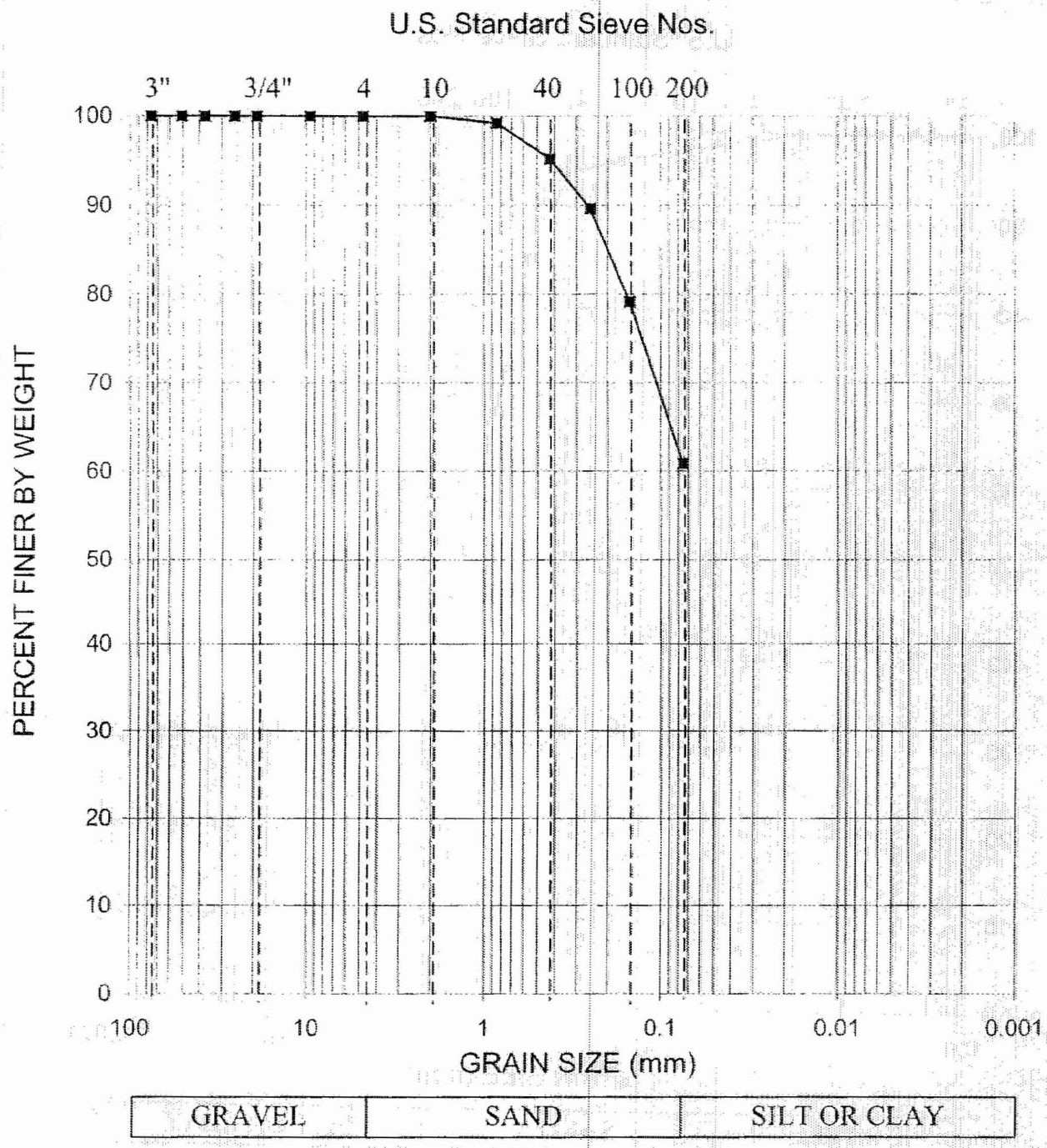
ASTM D422

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

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-321	113.5	Silty SAND, trace shells, gray	SM		

Schnabel

Schnabel Engineering



GRADATION CURVE

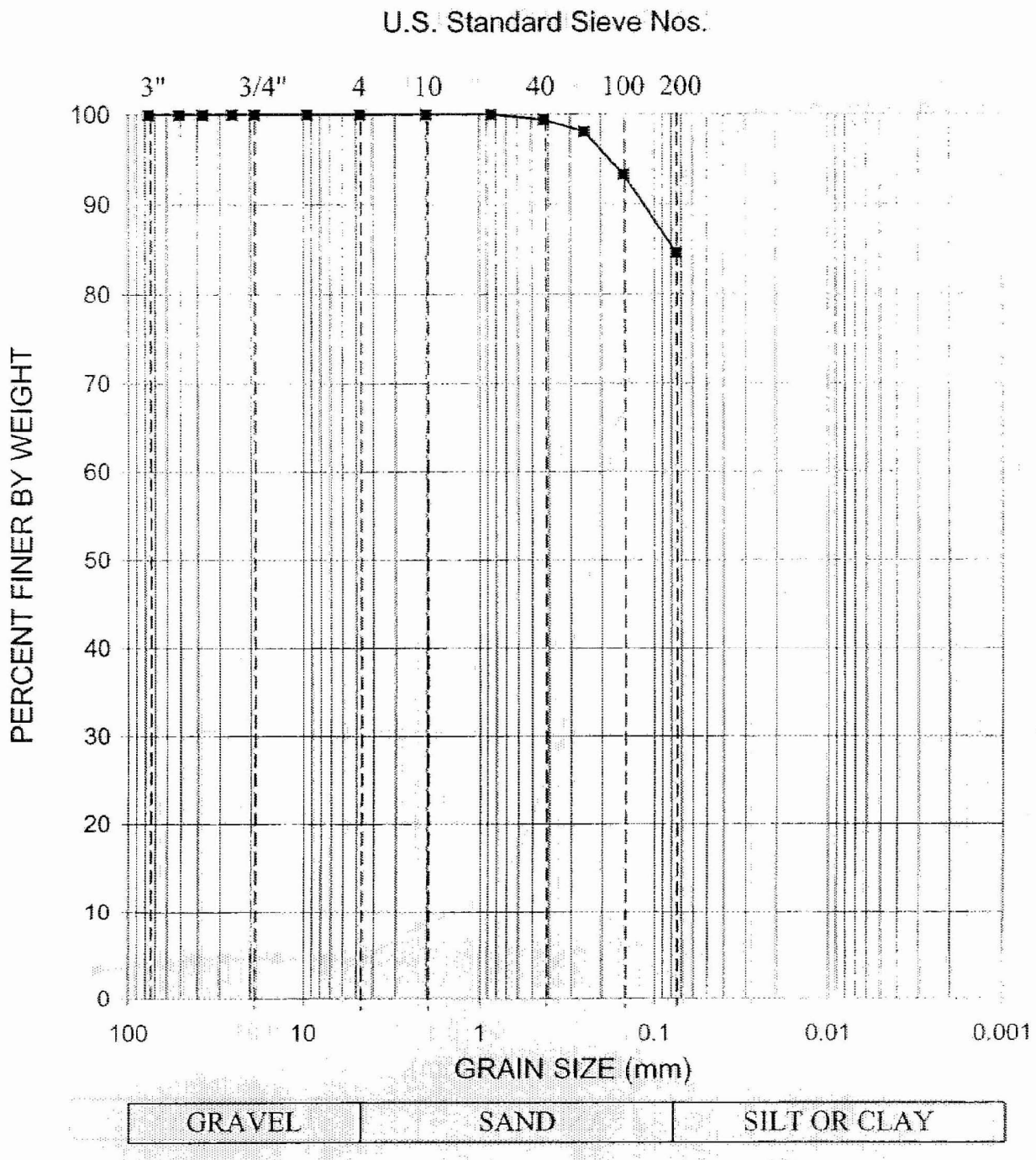
ASTM D422

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	128.5	Sandy ELASTIC SILT, dark green	MH		

Schnabel

Schnabel Engineering



GRADATION CURVE

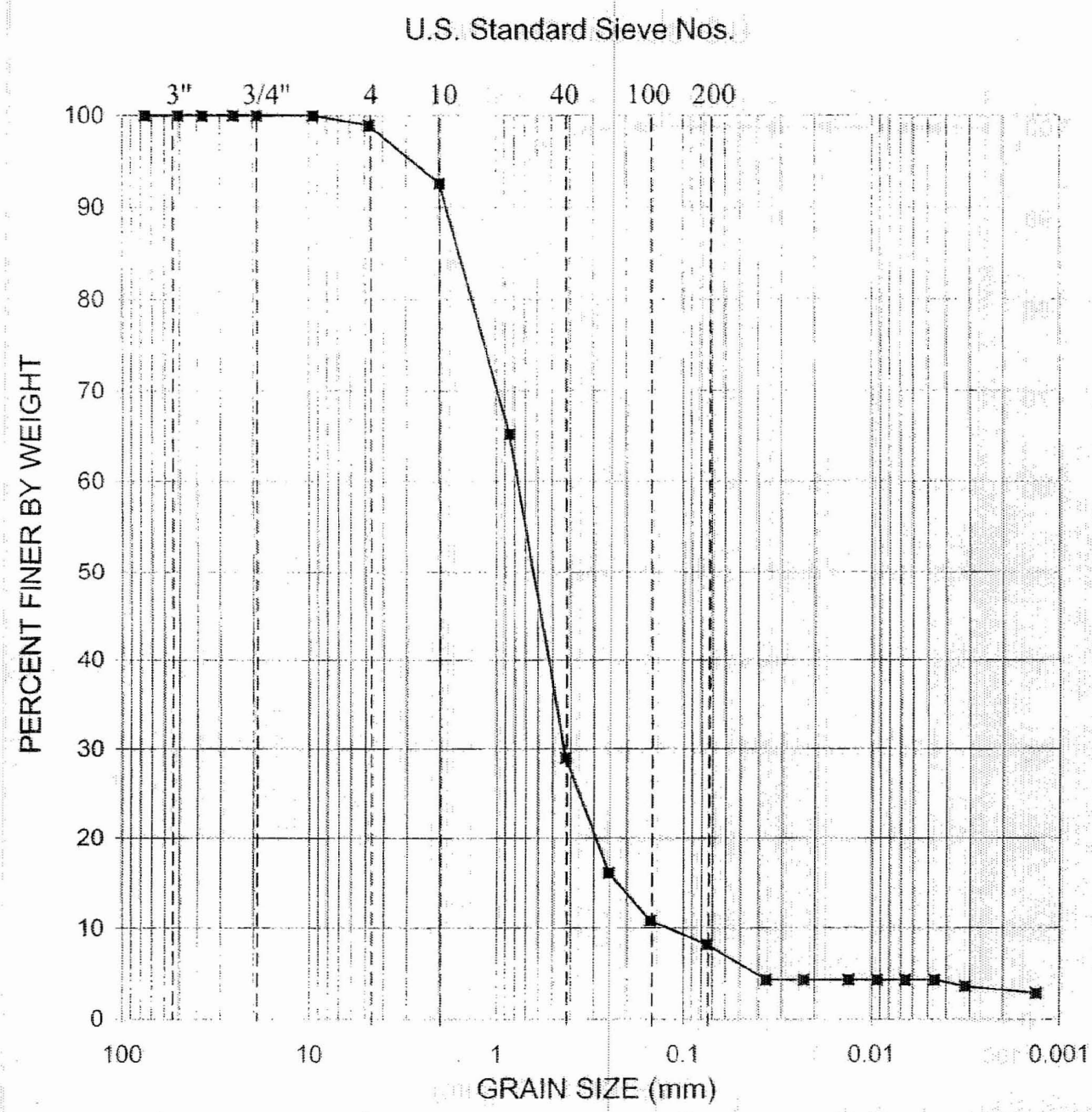
ASTM D422

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	143.5	ELASTIC SILT, with sand , dark green	MH		

Schnabel

Schnabel Engineering



GRADATION CURVE

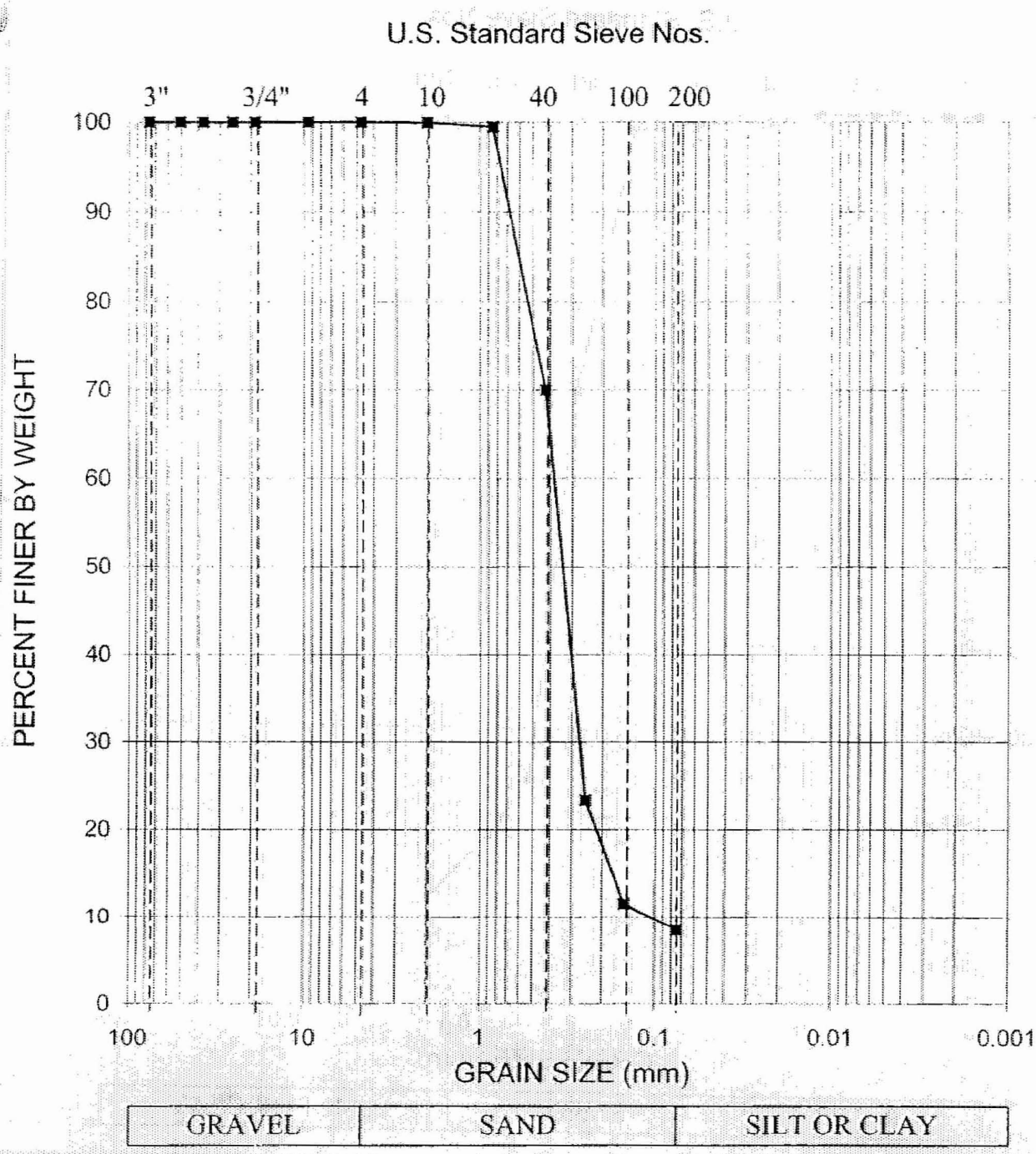
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 8/26/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-323	7.5	Poorly Graded SAND, with silt, trace gravel brown	SP-SM		

Schnabel

Schnabel Engineering



GRADATION CURVE

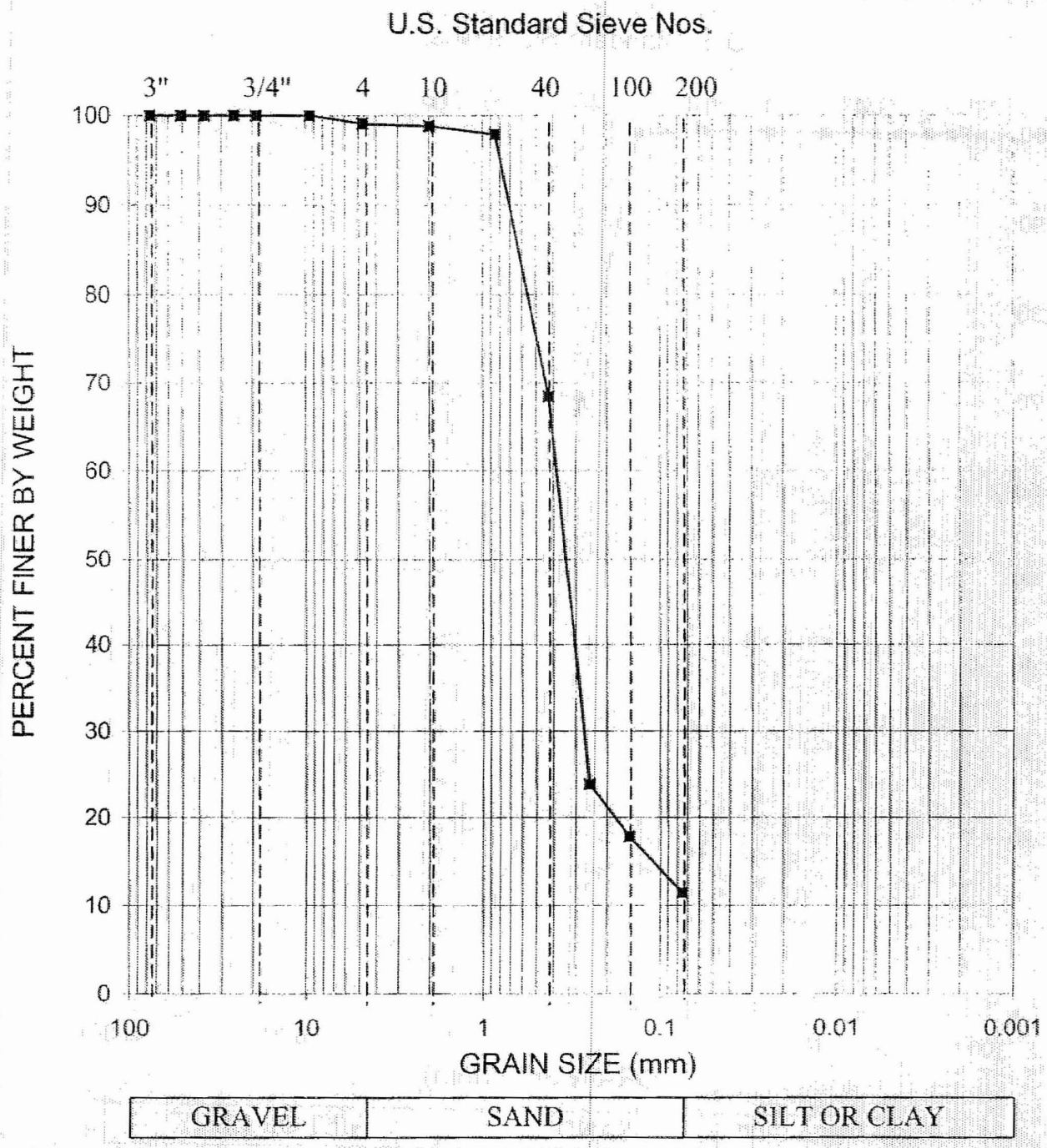
ASTM D422

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

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-323	13.5	Poorly Graded SAND, with silt, light brown	SP-SM		

Schnabel

Schnabel Engineering



GRADATION CURVE

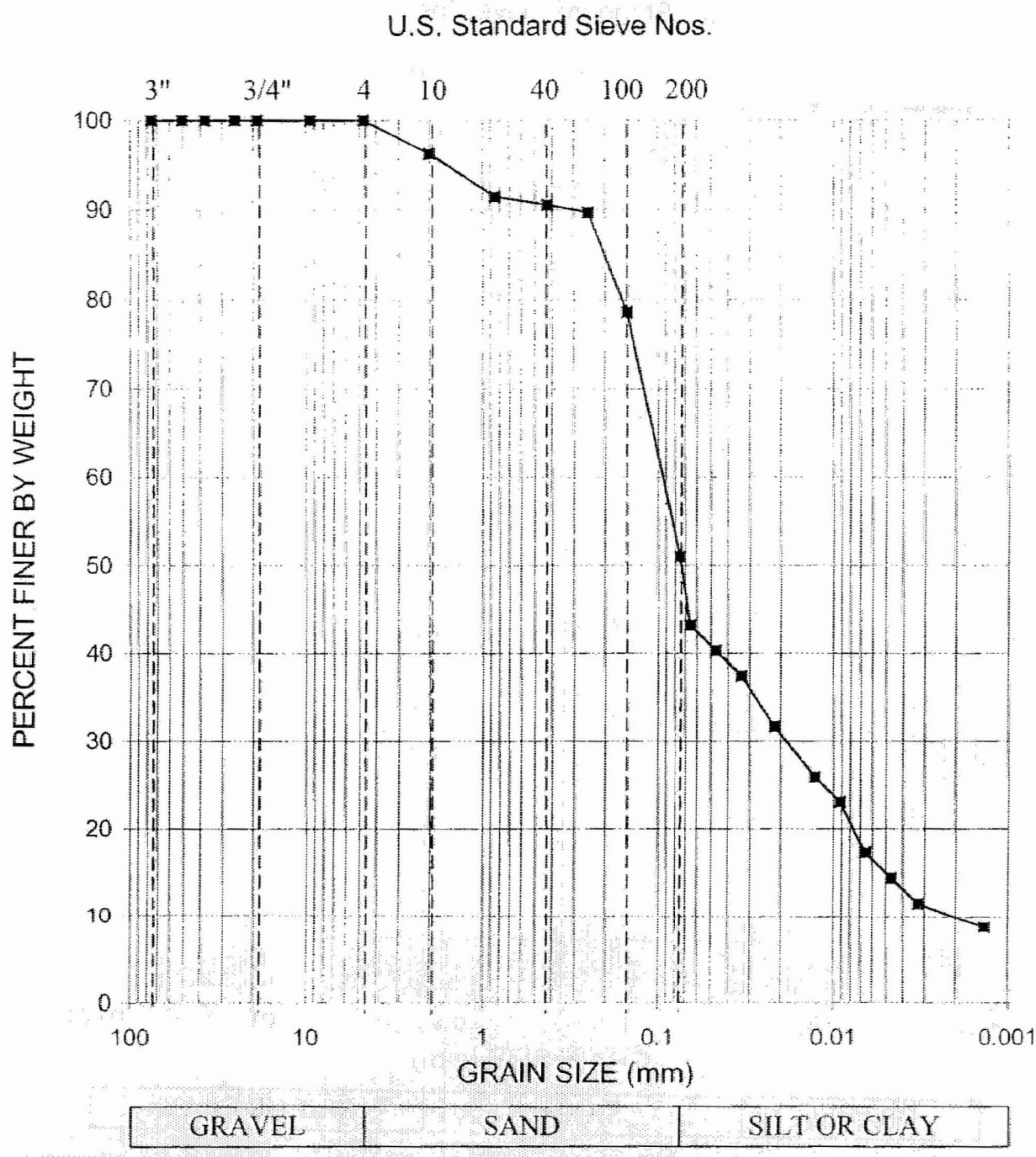
ASTM D422

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

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-323	38.5	Poorly Graded SAND with silt, trace gravel, brown	SP-SM		

Schnabel

Schnabel Engineering



GRADATION CURVE

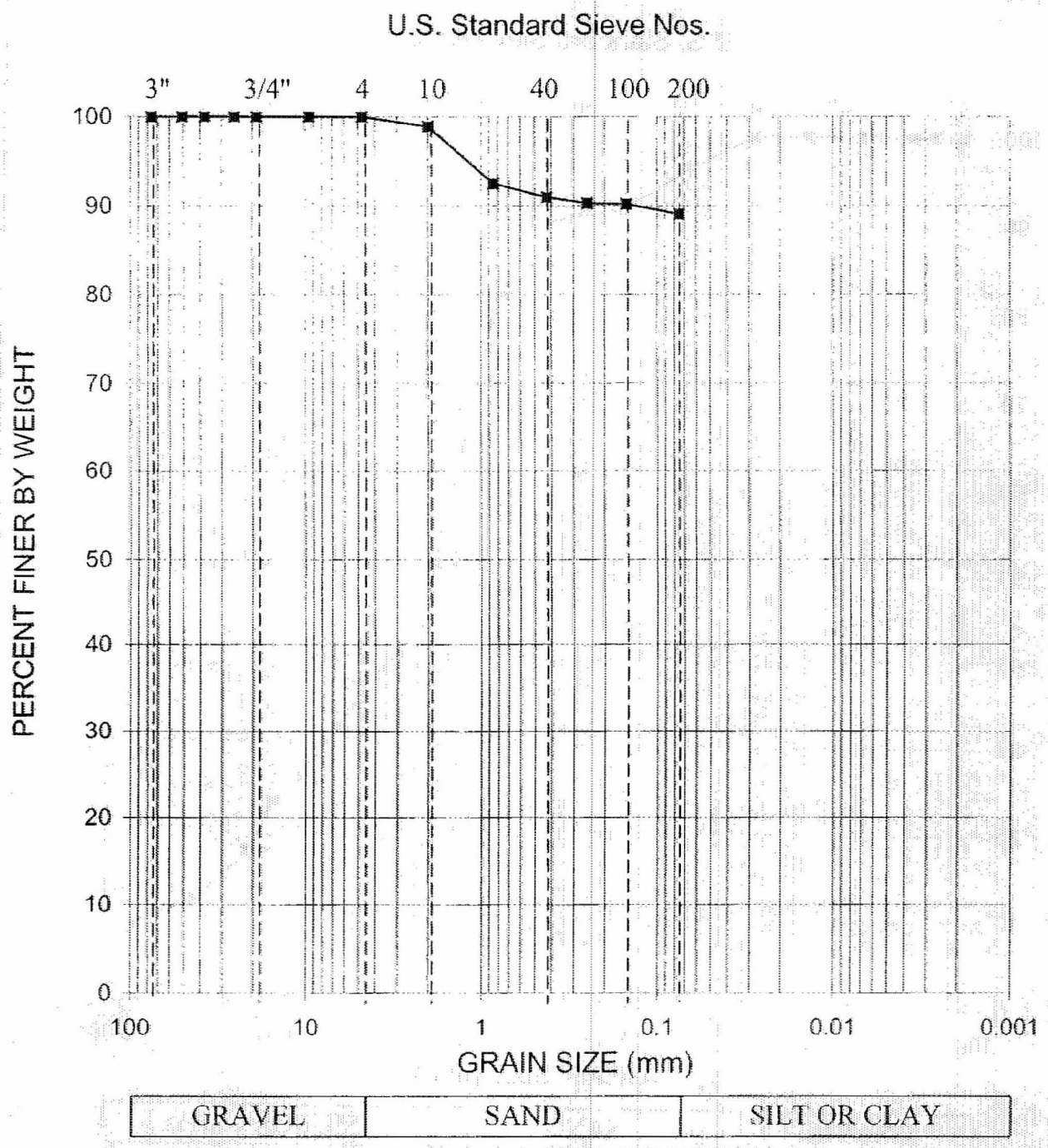
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.:	06120048.00	Date:	9/7/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-323	48.5	Sandy FAT CLAY, dark gray	CH	50	33

Schnabel

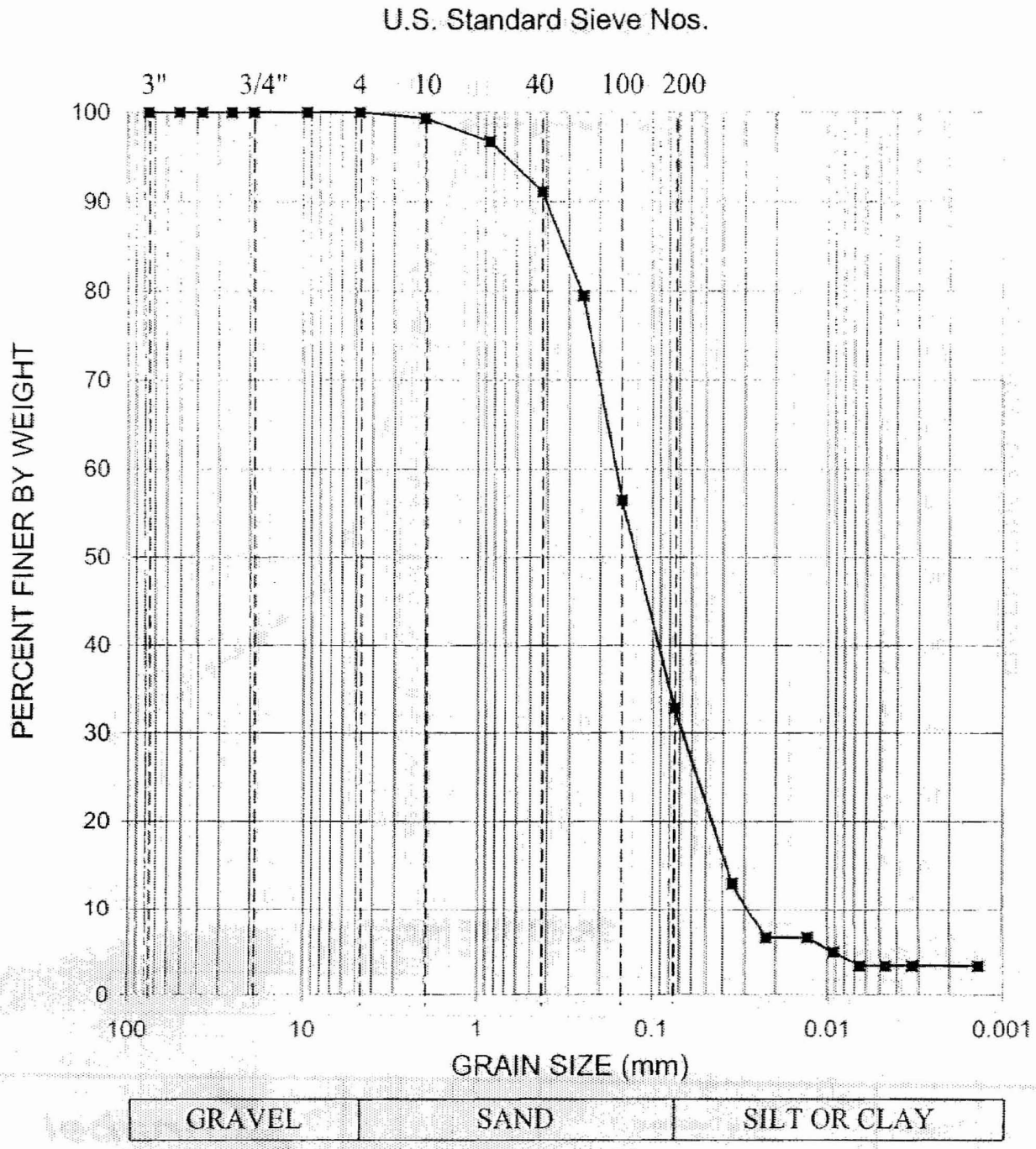
Schnabel Engineering



GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.: 06120048.00		Date: 8/25/2006	
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-323	58.5	FAT CLAY, trace sand, dark gray	CH	65	43	Schnabel Engineering



GRADATION CURVE

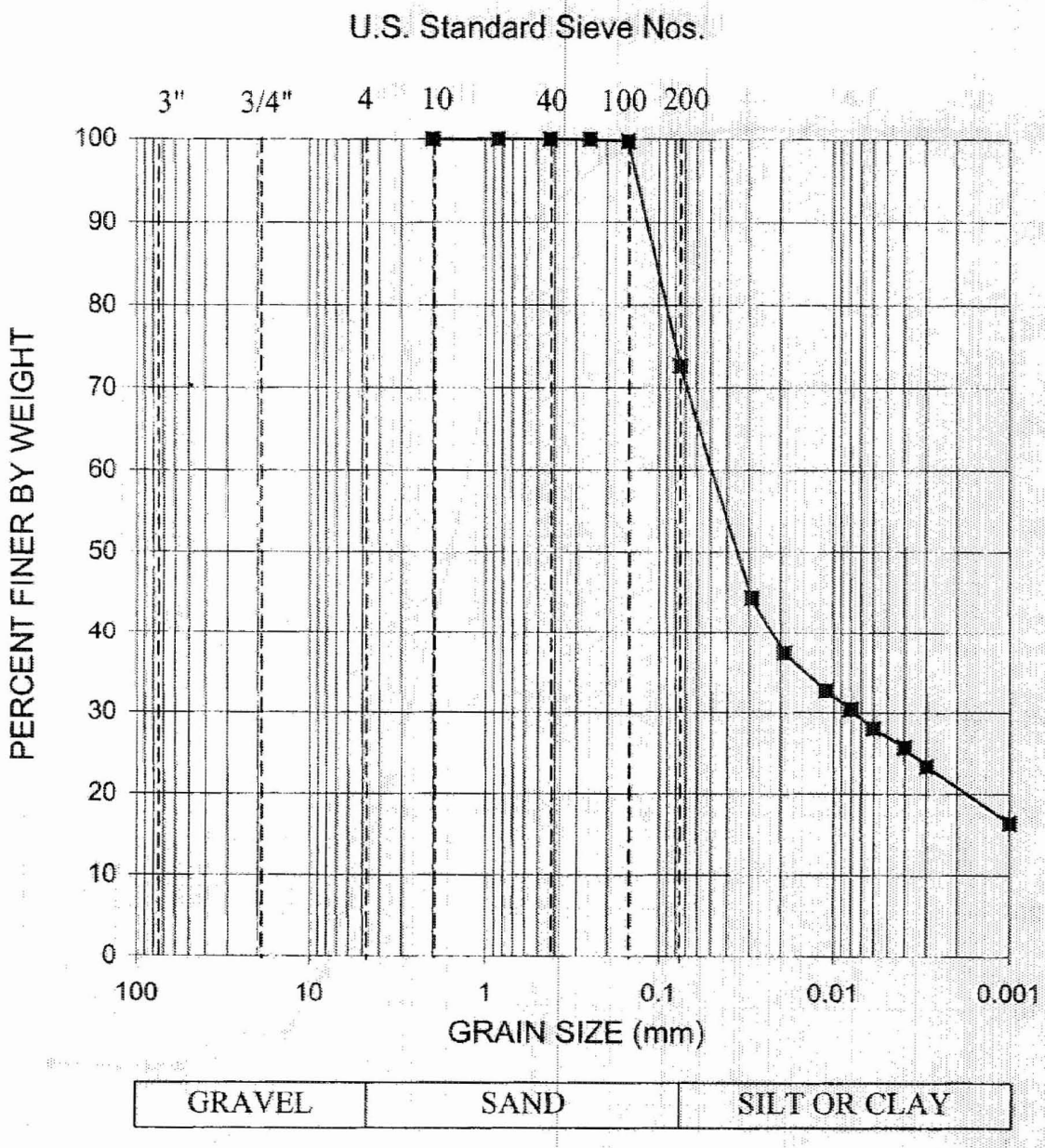
ASTM D422

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

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-323	68.5	CLAYEY SAND, dark green	SC	46	22

Schnabel

Schnabel Engineering



Key	Sample	Depth(ft.)	Sample Description	Class.	LL	PI
■	B-323	83.5-84.8	LEAN CLAY with sand - gray	CL	42	22
▲						
●						

Schnabel

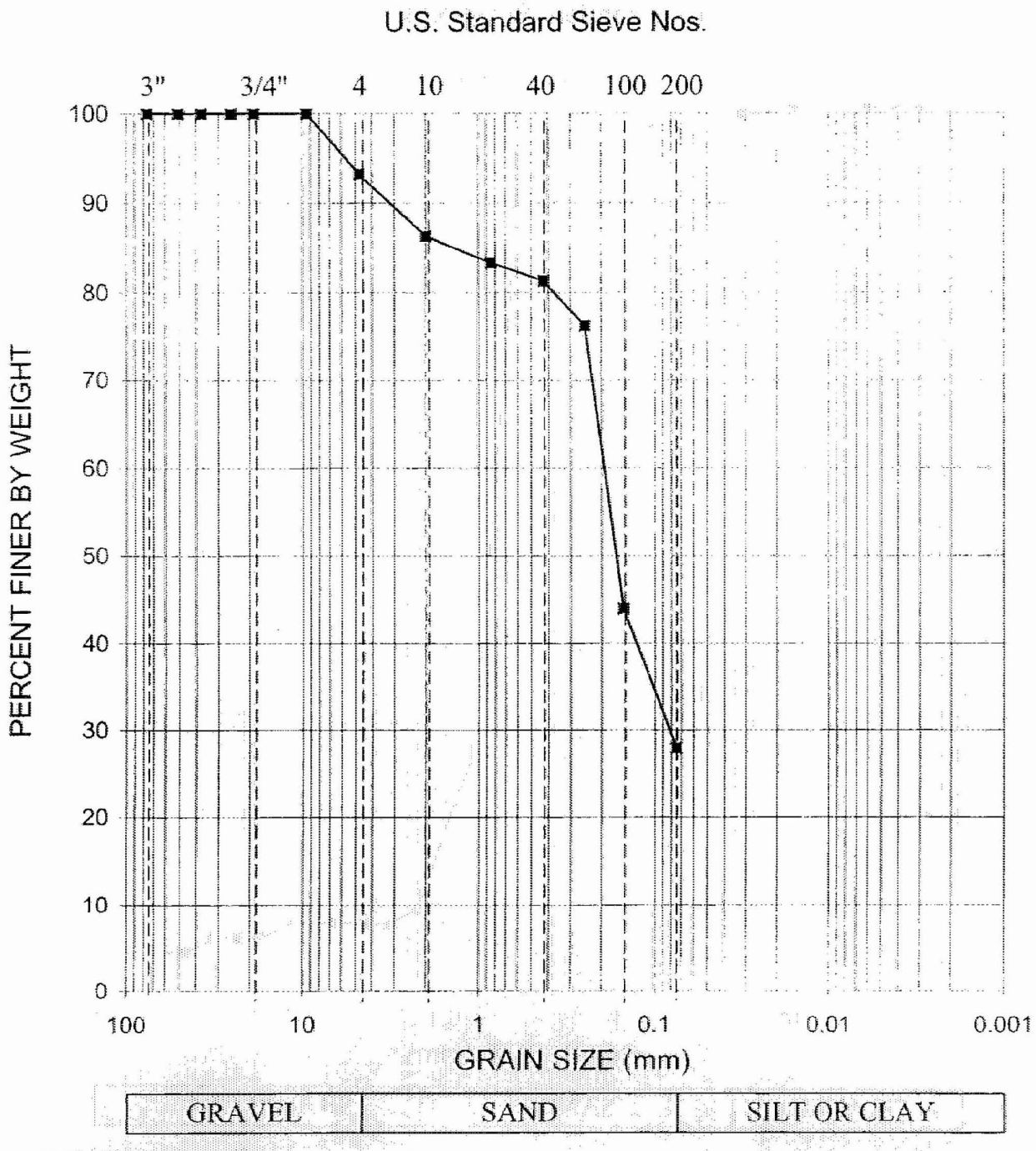
Schnabel Engineering

GRADATION CURVES

Project: Calvert Cliffs Nuclear Power Plant

Contract No. 06120048

Date: 11/16/06 Method: ASTM D422



GRADATION CURVE

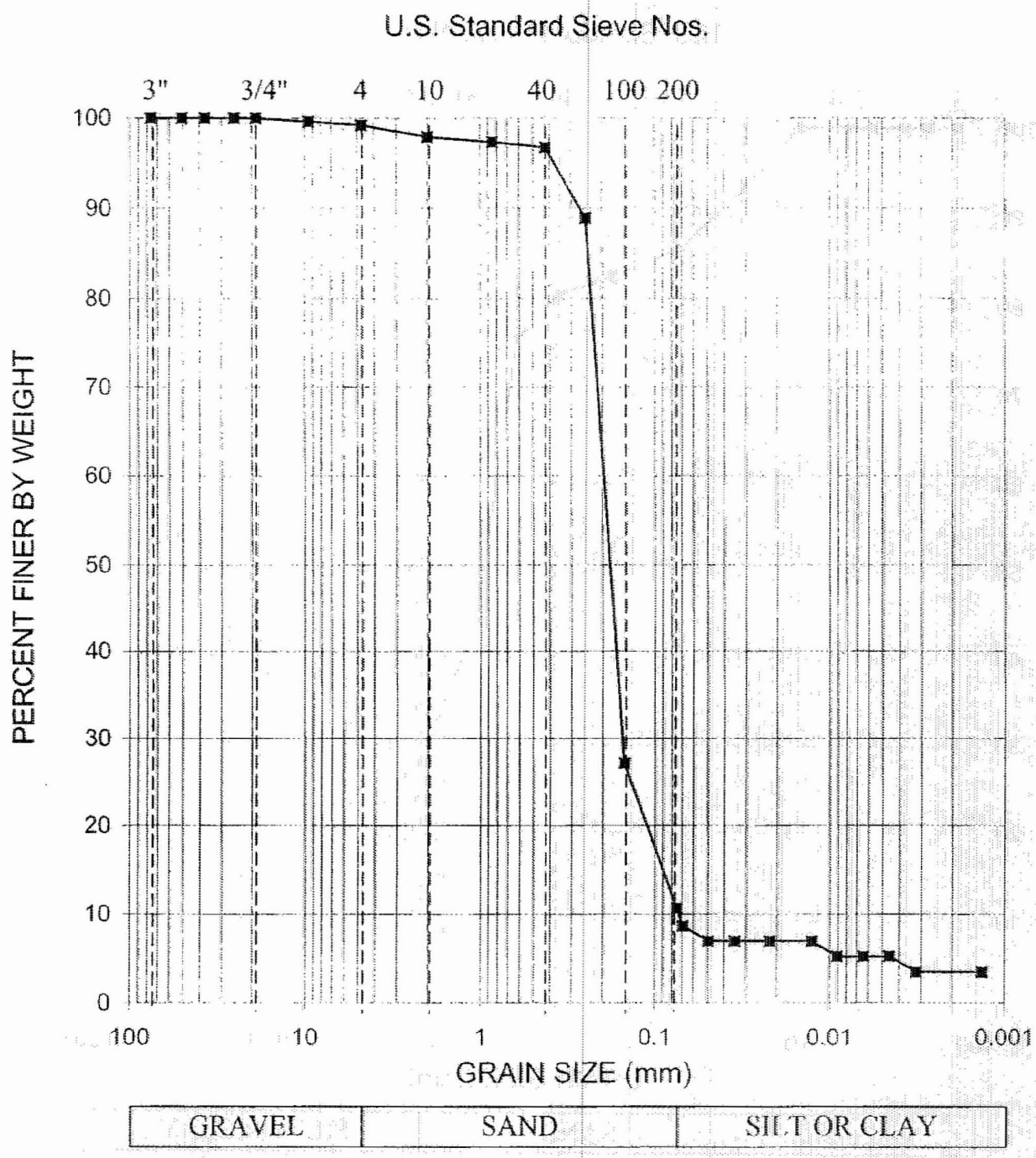
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 8/25/2006

Boring No.	Depth (ft)	Sample Description	Class.	LL	PI
B-323	93.5	Silty SAND, trace shells. light green	SM	NP	NP

Schnabel

Schnabel Engineering



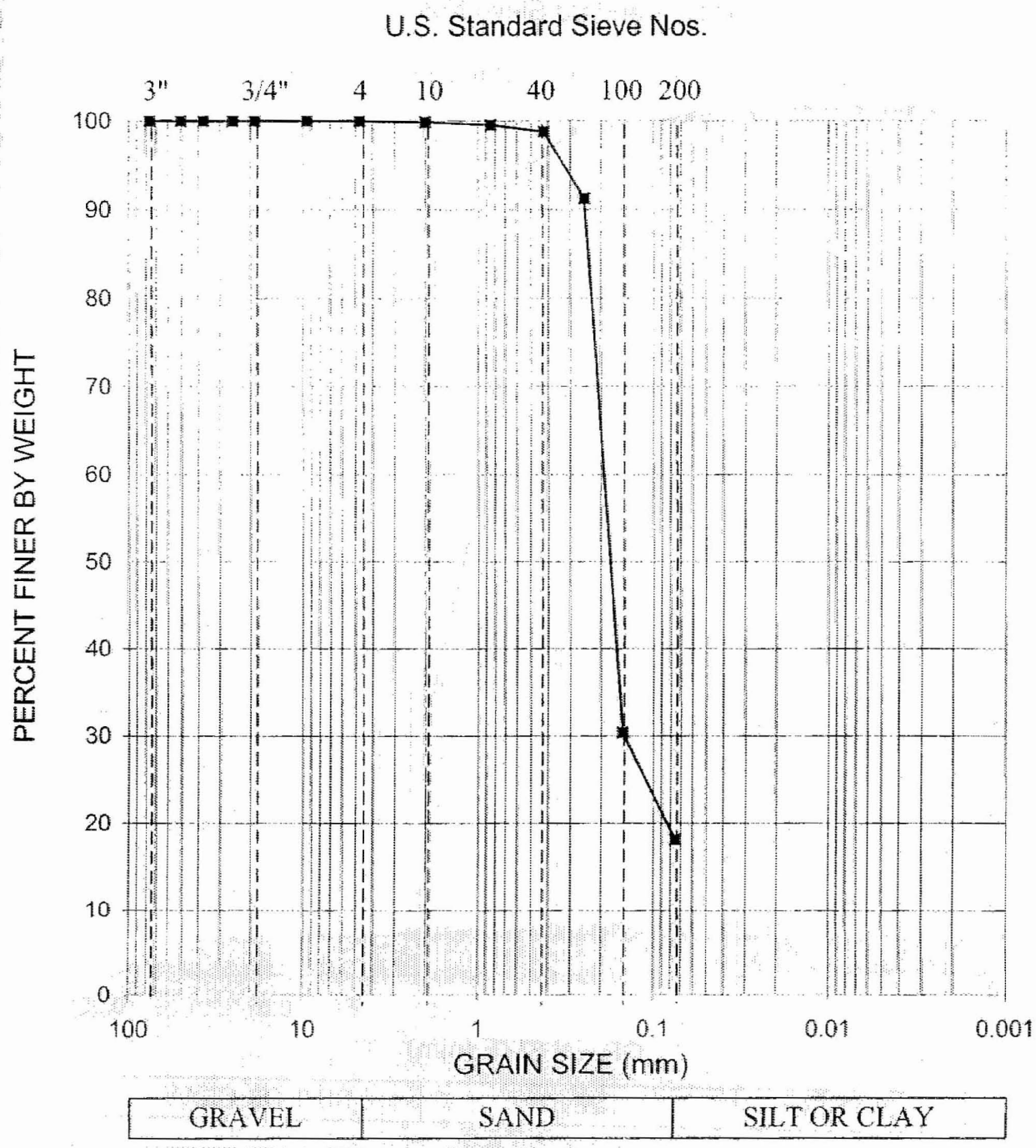
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.:	06120048.00	Date:	9/8/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-323	103.5	Poorly Graded SAND, with silt, trace shells, green	SP-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-323	113.5	Silty SAND, gray	SM		

Schnabel Engineering