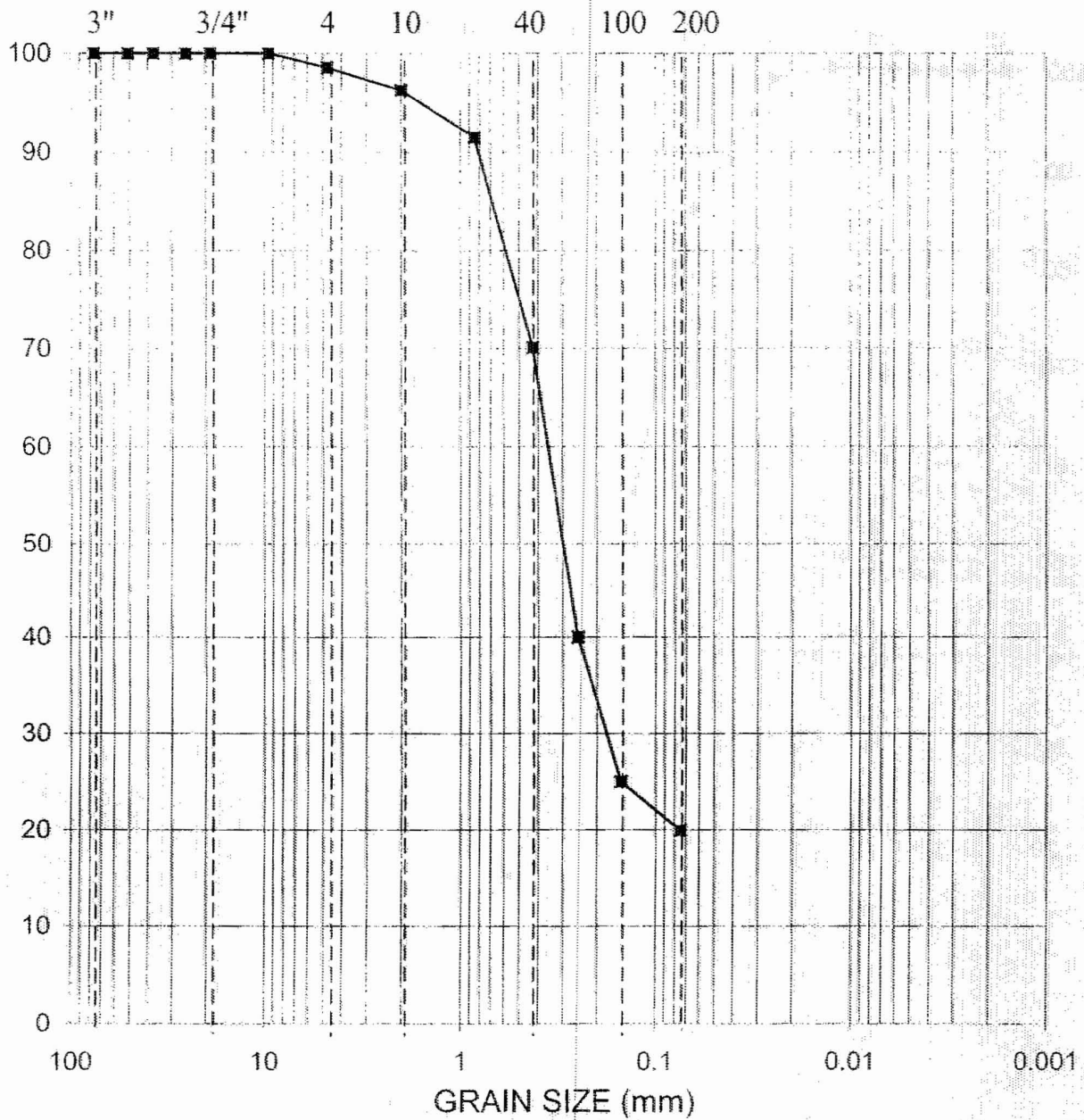


PERCENT FINER BY WEIGHT


U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
--------	------	--------------

GRADATION CURVE

ASTM D422

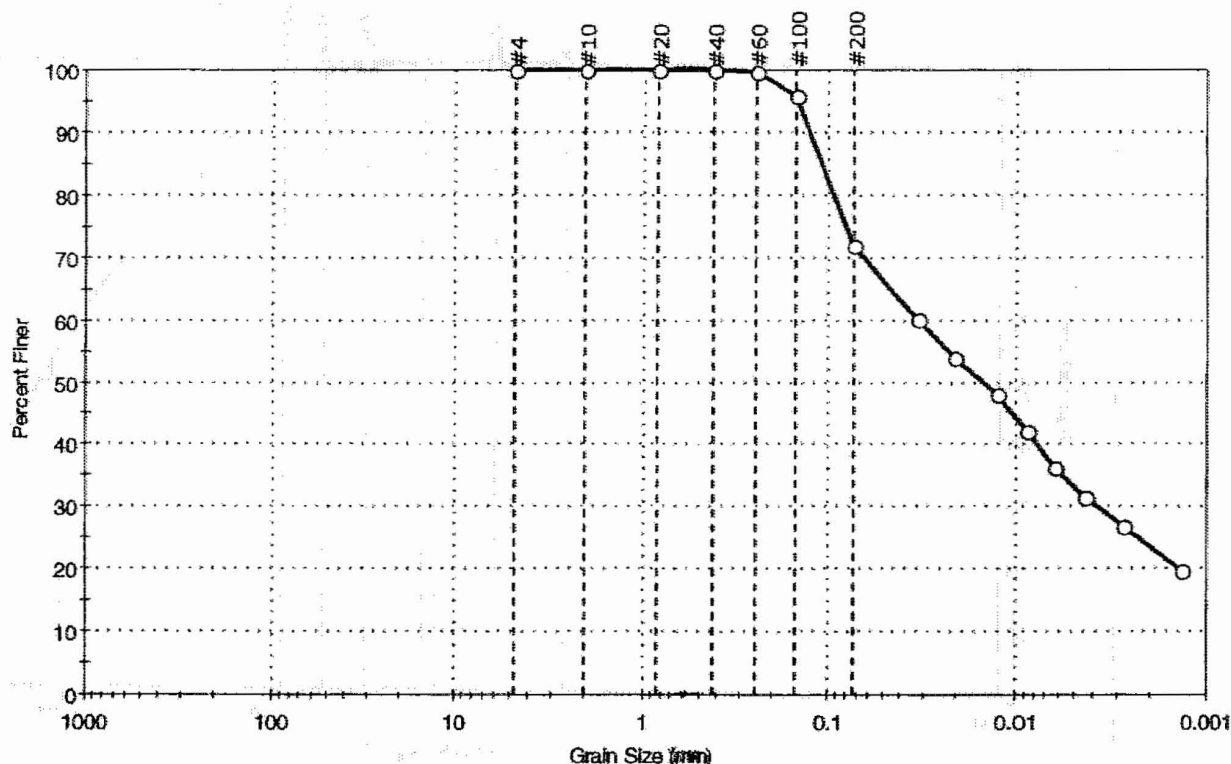
Project:		Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.: 06120048.00		Date: 8/21/2006	
Boring No.	Depth (ft)	Sample Description			Class.	LL	PI	
B-319	23.5	Clayey SAND, trace gravel, light brown			SC			

GeoTesting express

a subsidiary of GooComp Corporation

Client: Schnabel Engineering, Inc.	Project: Subsurface Investigation Calvert Cliffs Nuclear PP	Project No: GTX-6880
Location: Calvert County, MD	Boring ID: B-319	Sample Type: tube
Sample ID: S-10	Test Date: 09/08/06	Tested By: sam
Depth: 33.5-35.5 ft	Test Id: 95775	Checked By: mcm
Test Comment: ---		
Sample Description: Moist, dark gray clay with sand		
Sample Comment: ---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	28.0	72.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.425	100		
#60	0.25	100		
#100	0.15	96		
#200	0.075	72		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0328	60		
---	0.0207	54		
---	0.0122	48		
---	0.0085	42		
---	0.0063	36		
---	0.0044	32		
---	0.0028	27		
---	0.0014	20		

Coefficients

D ₈₅ = 0.1081 mm	D ₃₀ = 0.0038 mm
D ₆₀ = 0.0326 mm	D ₁₅ = N/A
D ₅₀ = 0.0145 mm	D ₁₀ = N/A
C _u = N/A	C _c = N/A

Classification

ASTM lean clay with sand (CL)

AASHTO Clayey Soils (A-7-6 (28))

Sample/Test Description

Sand/Gravel Particle Shape: ---

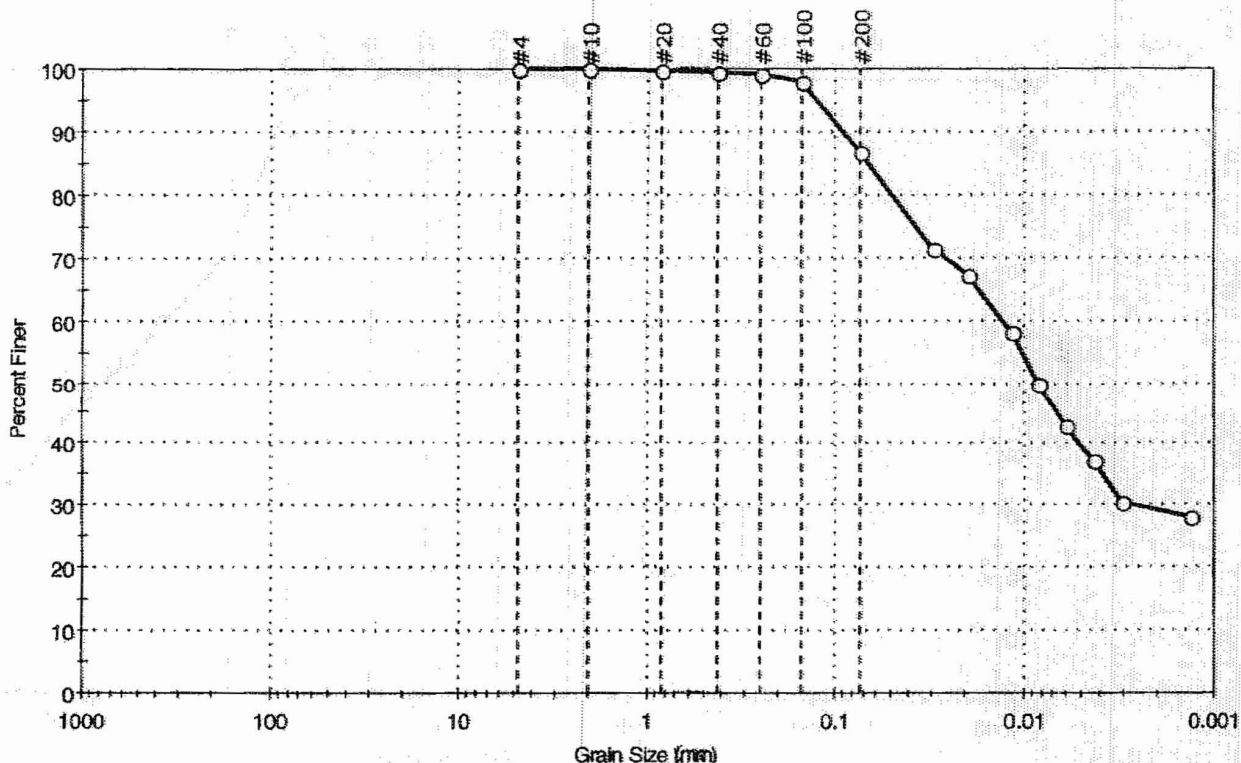
Sand/Gravel Hardness: ---

GeoTesting express

a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.	Project No:	GTX-6880
Project:	Subsurface Investigation Calvert Cliffs Nuclear PP	Tested By:	sam
Location:	Calvert County, MD	Checked By:	mcm
Boring ID:	B-319	Sample Type:	tube
Sample ID:	S-12	Test Date:	09/07/06
Depth:	43.5-45.2 ft	Test Id:	95776
Test Comment:	---		
Sample Description:	Moist, dark gray clay		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	13.3	86.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.425	99		
#60	0.25	99		
#100	0.15	98		
#200	0.075	87		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0296	71		
---	0.0190	67		
---	0.0114	58		
---	0.0083	50		
---	0.0060	43		
---	0.0043	37		
---	0.0031	30		
---	0.0013	28		

Coefficients

D ₈₅ = 0.0670 mm	D ₃₀ = 0.0027 mm
D ₆₀ = 0.0127 mm	D ₁₅ = N/A
D ₅₀ = 0.0083 mm	D ₁₀ = N/A
C _u = N/A	C _c = N/A

Classification

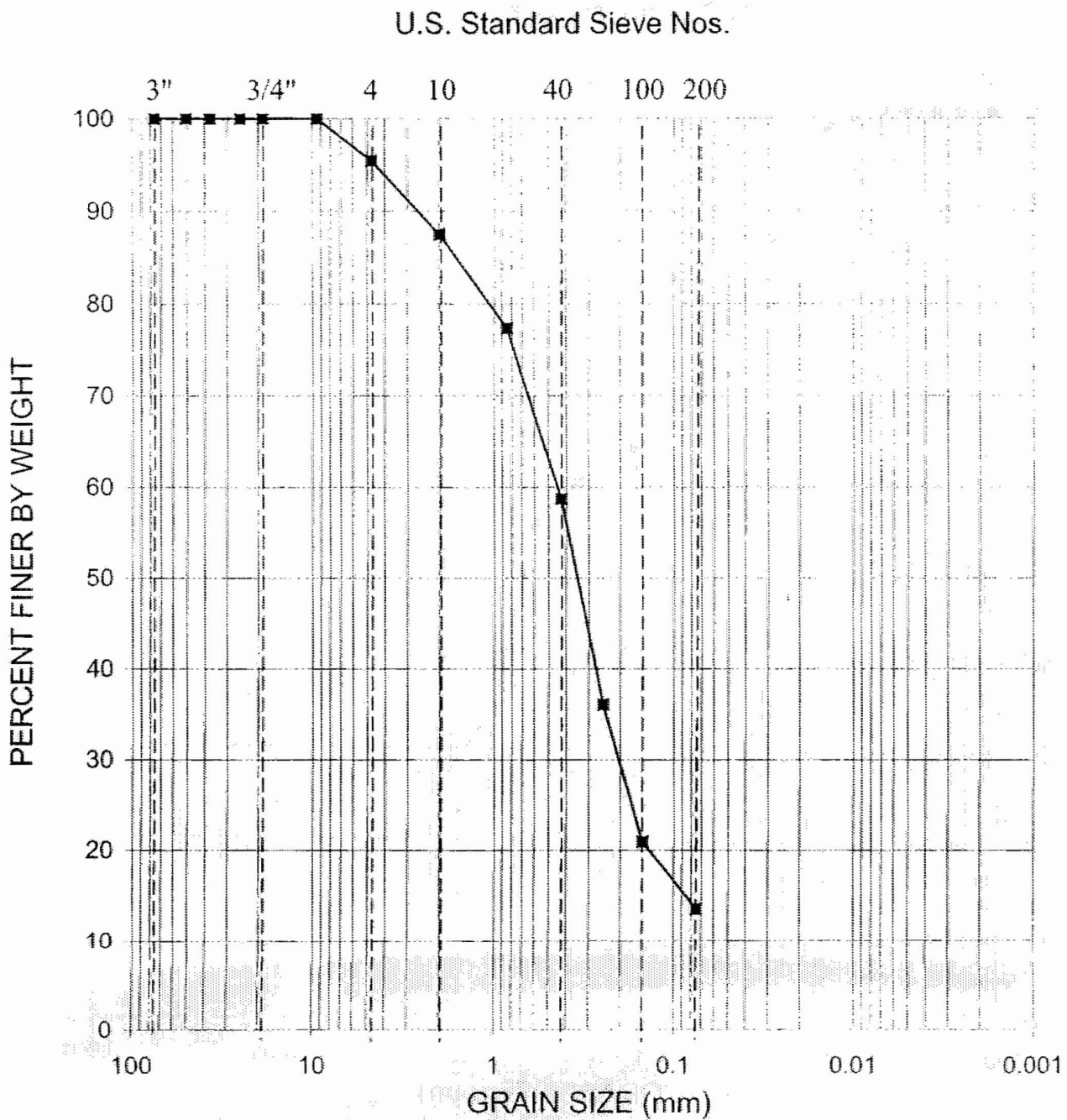
ASTM fat clay (CH)

AASHTO Clayey Soils (A-7-6 (46))

Sample/Test Description


Sand/Gravel Particle Shape : ---

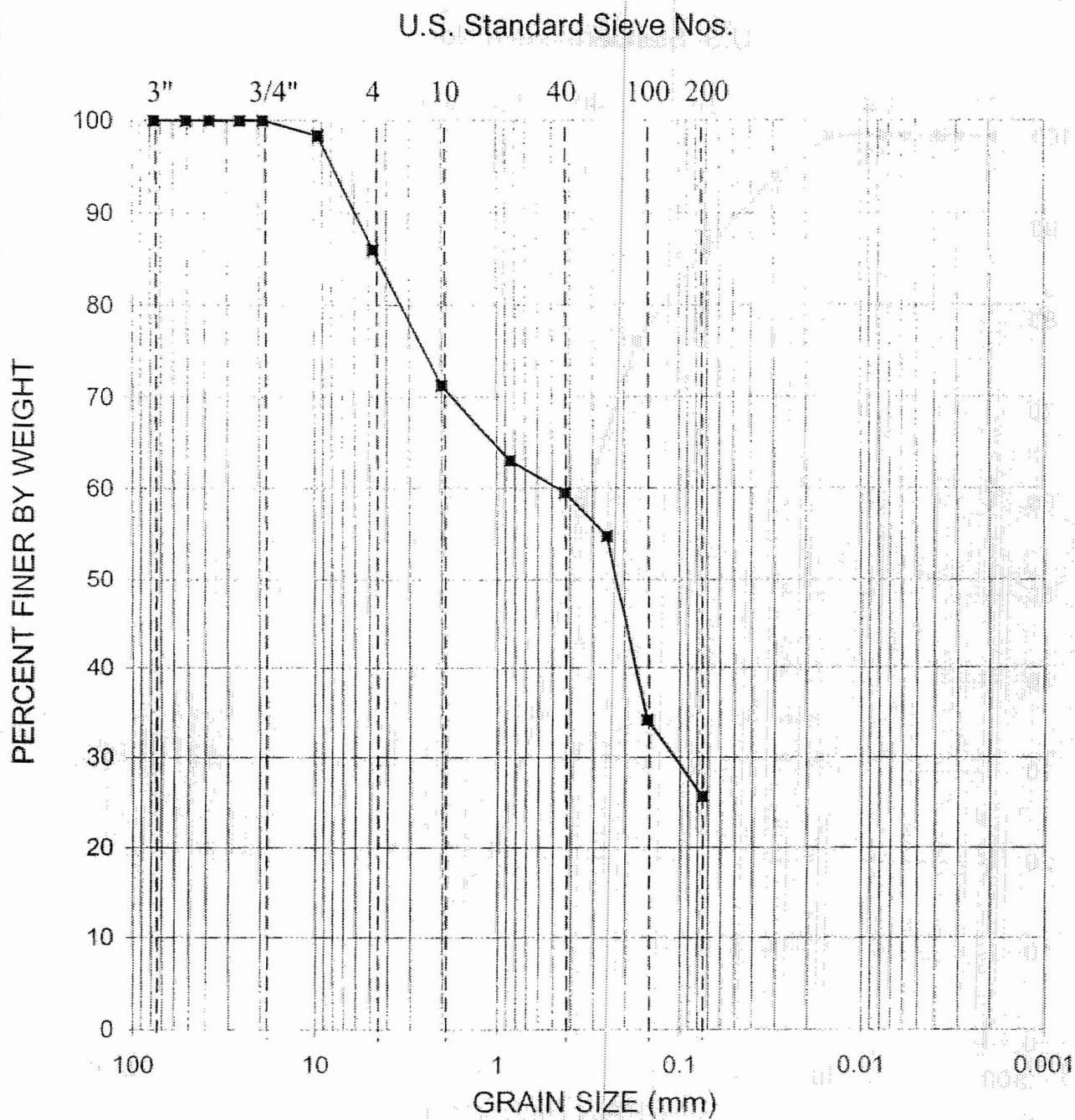
Sand/Gravel Hardness : ---



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:	8/21/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-319	73.5	Silty SAND, trace shells, gray	SM				

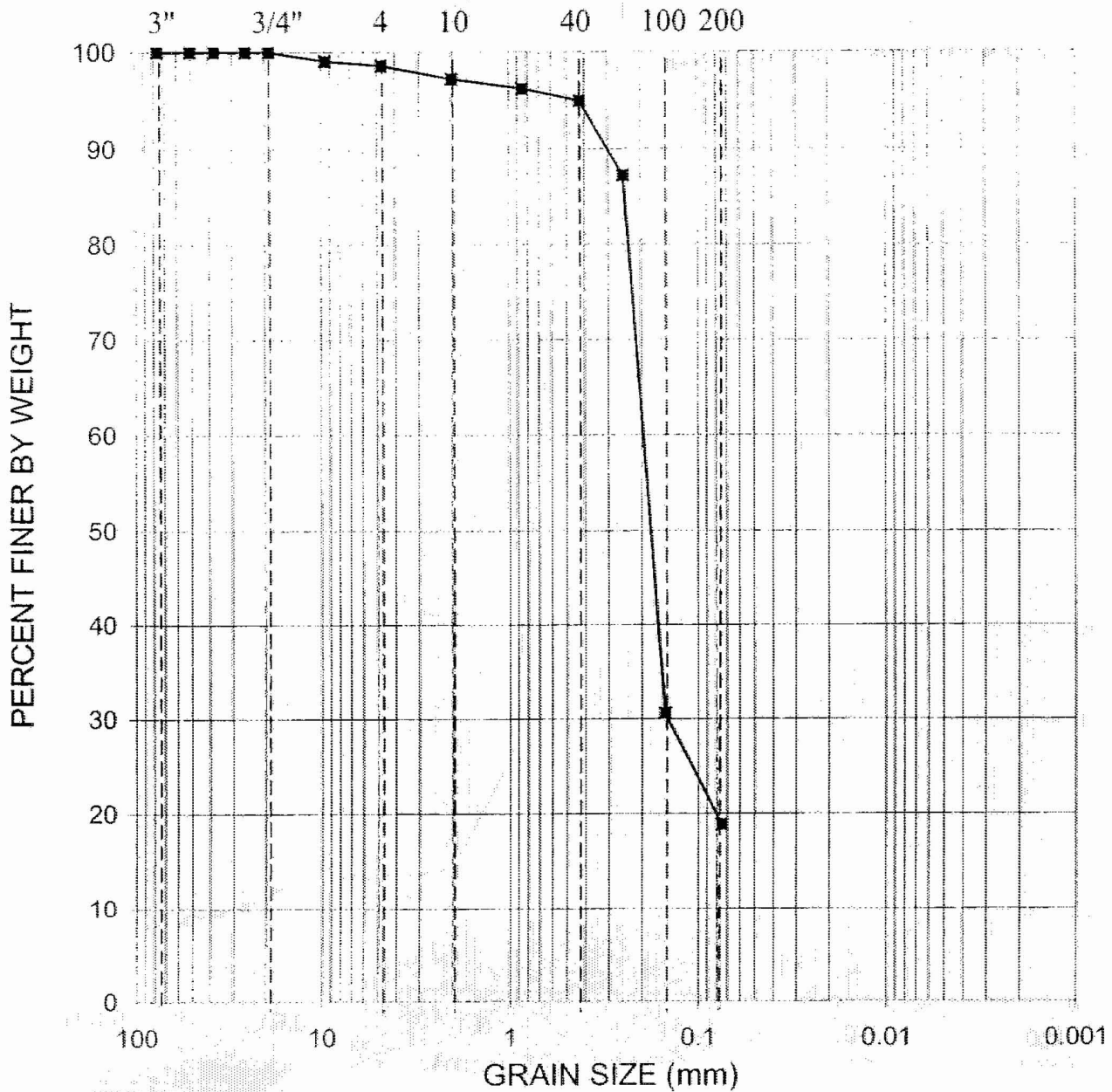


GRADATION CURVE

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-319	83.5	Silty SAND, trace cemented sand , green	SM				

U.S. Standard Sieve Nos.



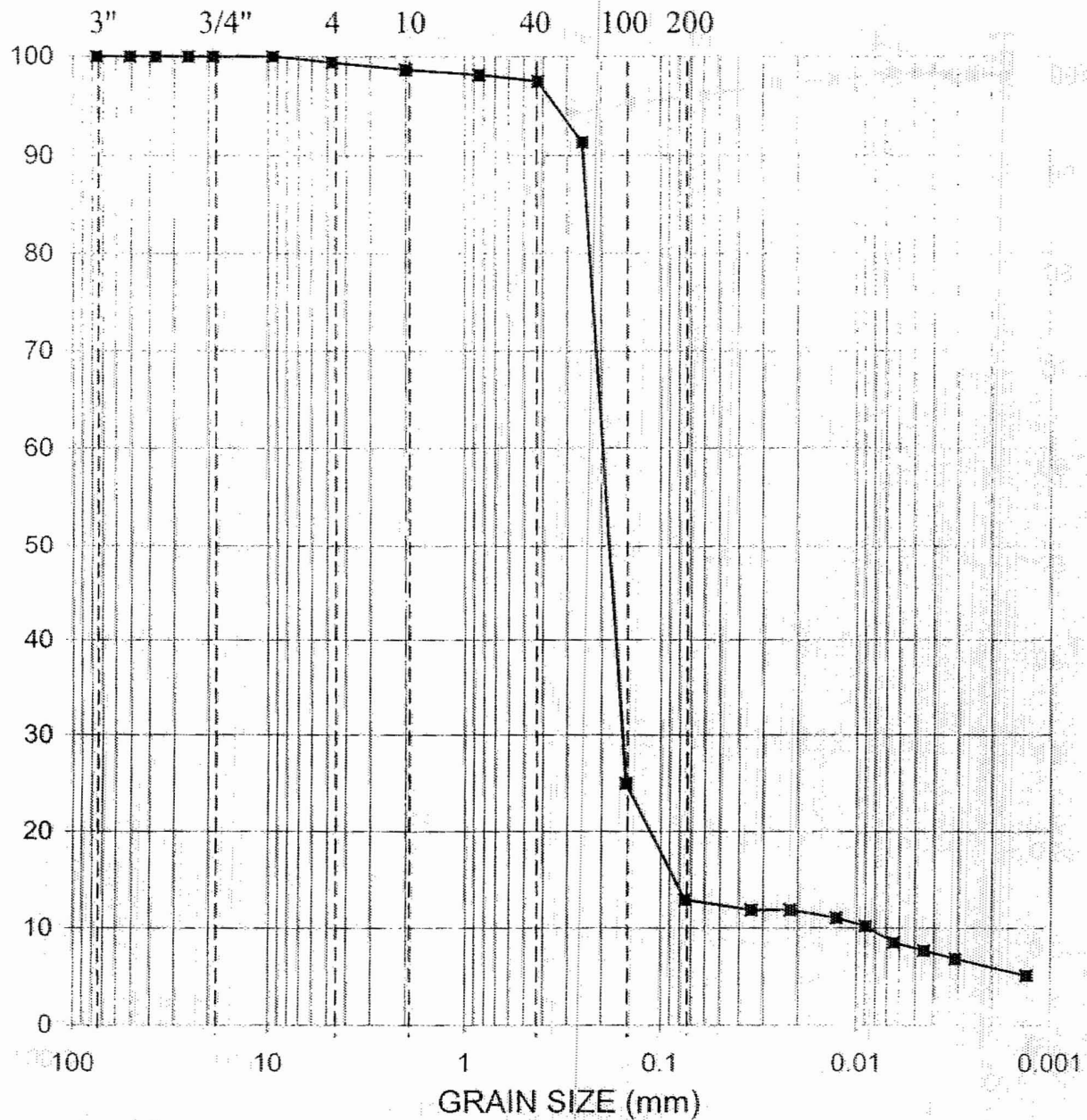
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	8/21/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
B-319	88.5	Silty SAND, trace shells, gray	SM					

PERCENT FINER BY WEIGHT

U.S. Standard Sieve Nos.



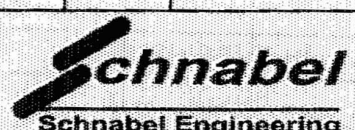
GRAVEL

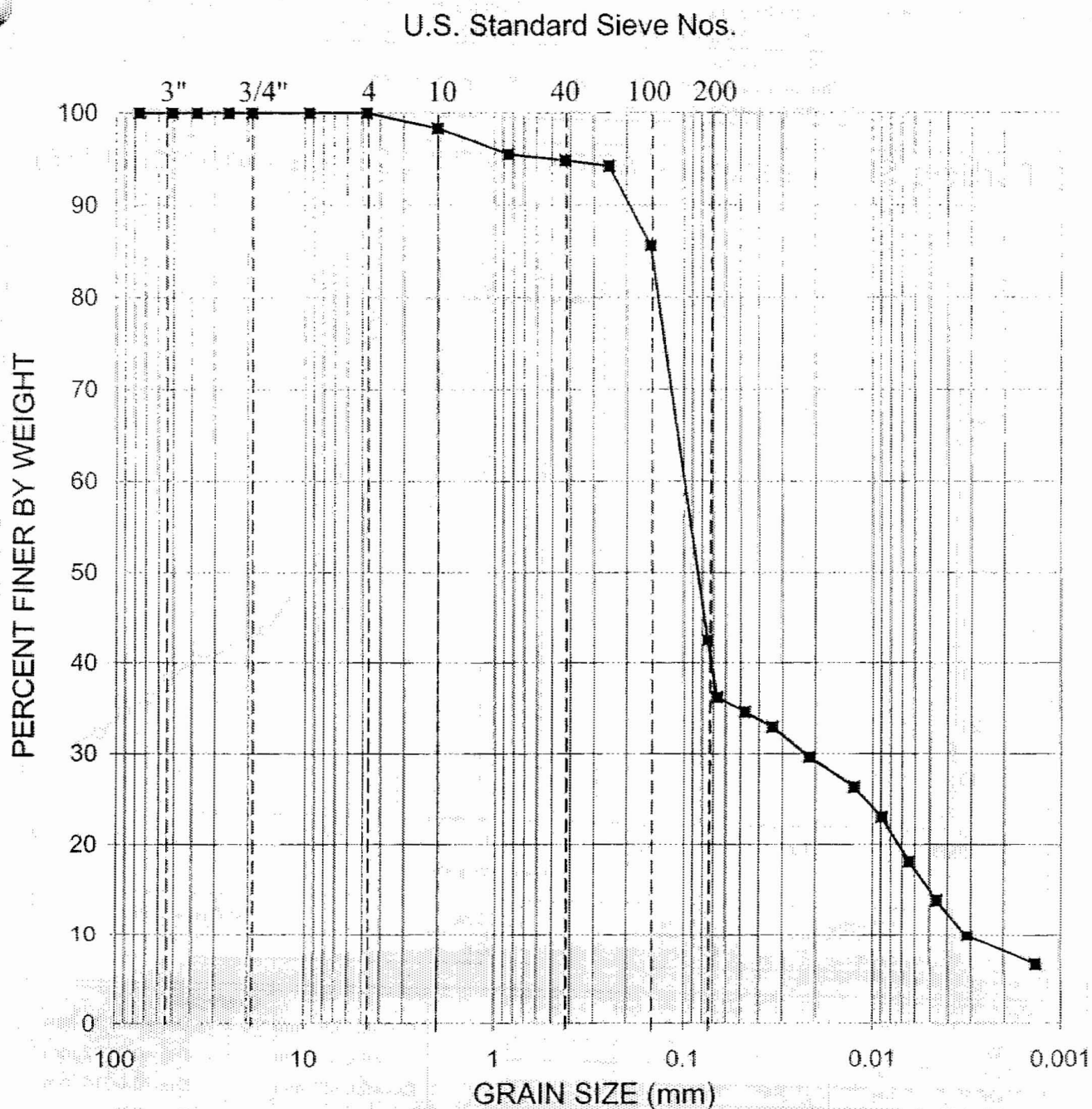
SAND

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: 8/31/2006	
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-319	98.5	Silty SAND, trace shells, dark green	SM	NP	NP		



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:	8/31/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-320	33.5	Clayey SAND, dark gray	SC	33	15		

GeoTesting express

a subsidiary of Geocomp Corporation

Client: Schnabel Engineering, Inc.

Project: Subsurface Investigation Calvert Cliffs Nuclear PP

Location: Calvert County, MD

Project No: GTX-6880

Boring ID: B-320

Sample Type: tube

Tested By: sam

Sample ID: S-11

Test Date: 10/12/06

Checked By: mcm

Depth: 38.5-40.5 ft

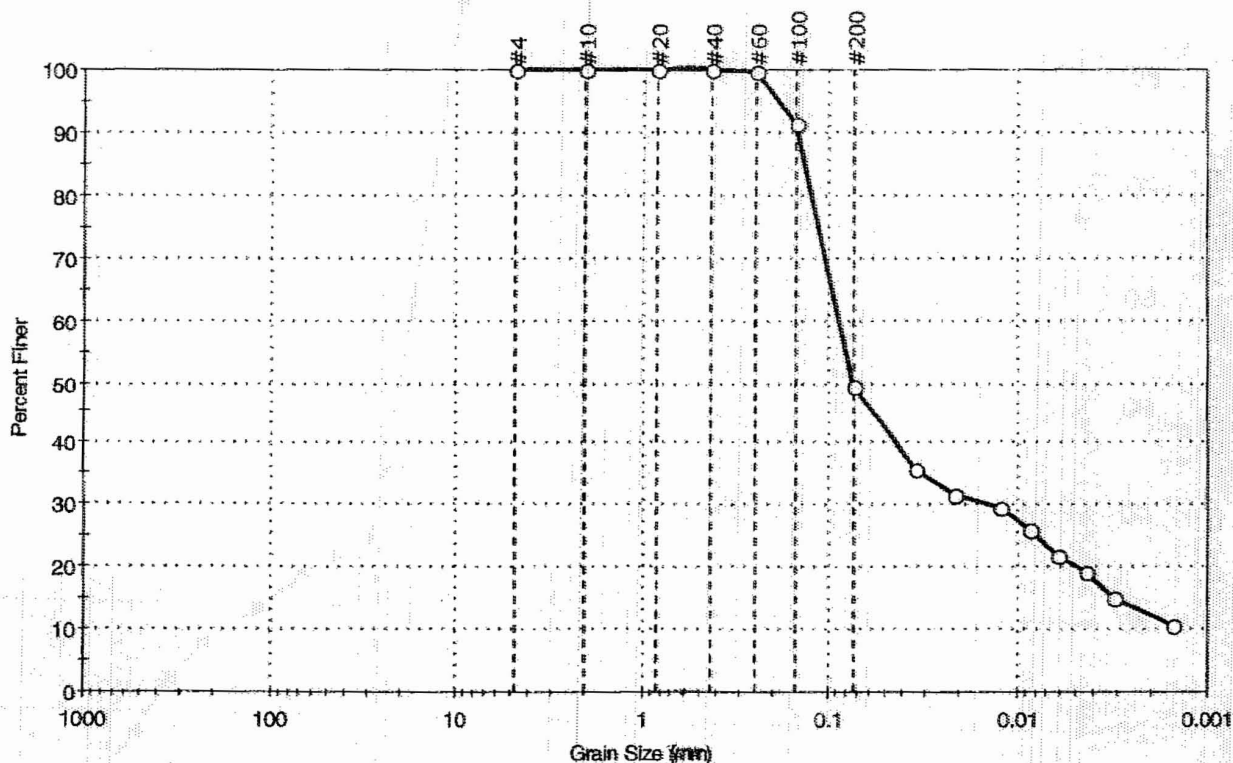
Test ID: 100202

Test Comment: ---

Sample Description: Moist, very dark gray clayey sand

Sample Comment: ---

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	50.6	49.4

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	92		
#200	0.075	49		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0375	36		
---	0.025	32		
---	0.0175	30		
---	0.0125	26		
---	0.0085	22		
---	0.006	19		
---	0.00425	15		
---	0.0025	11		

Coefficients

D ₈₅ = 0.1336 mm	D ₃₀ = 0.0137 mm
D ₆₀ = 0.0882 mm	D ₁₅ = 0.0032 mm
D ₅₀ = 0.0747 mm	D ₁₀ = 0.0014 mm
C _u = N/A	C _c = N/A

Classification

ASTM Clayey sand (SC)

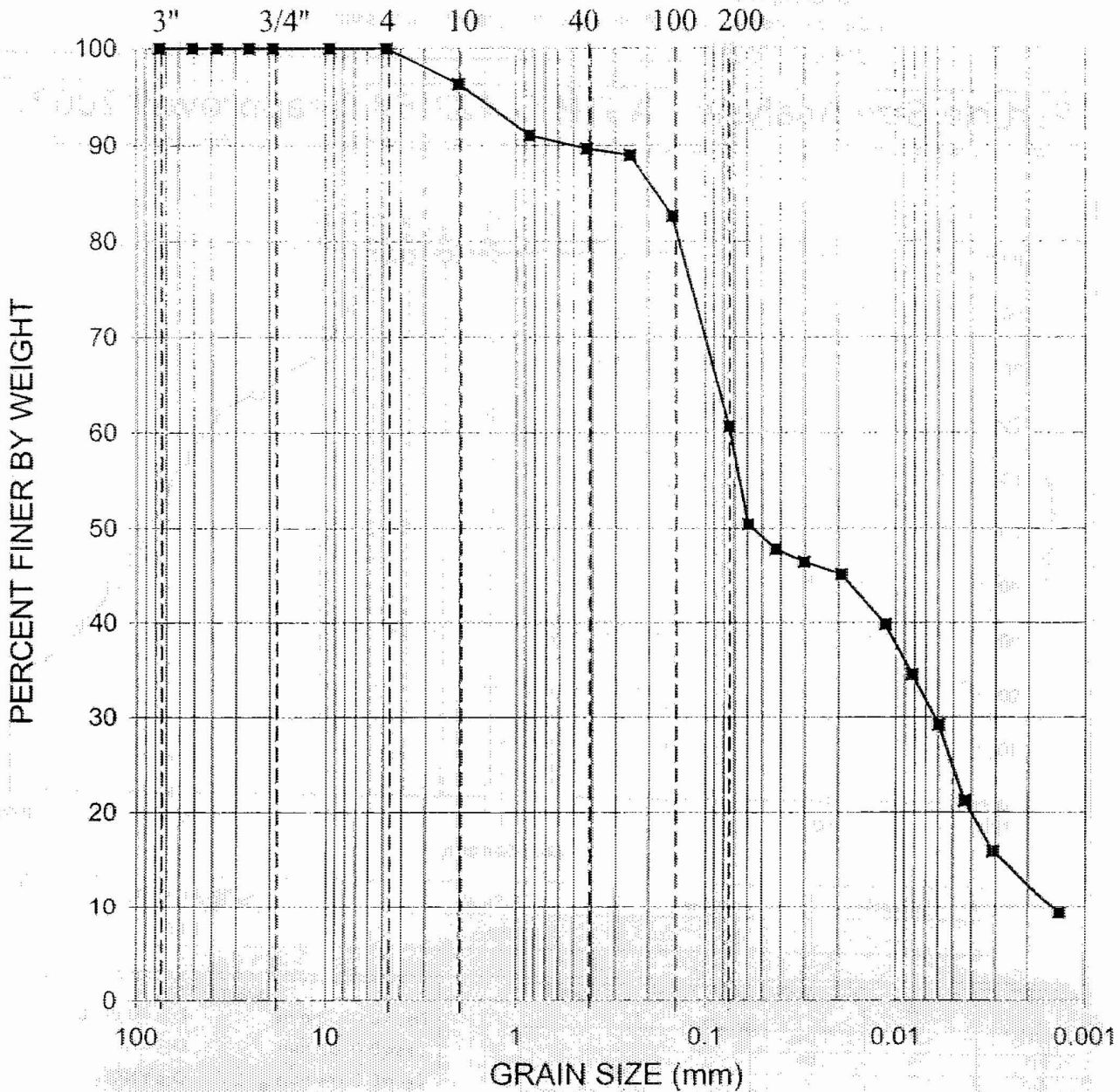
AASHTO Clayey Soils (A-6 (8))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

U.S. Standard Sieve Nos.




GRAVEL

SAND

SILT OR CLAY

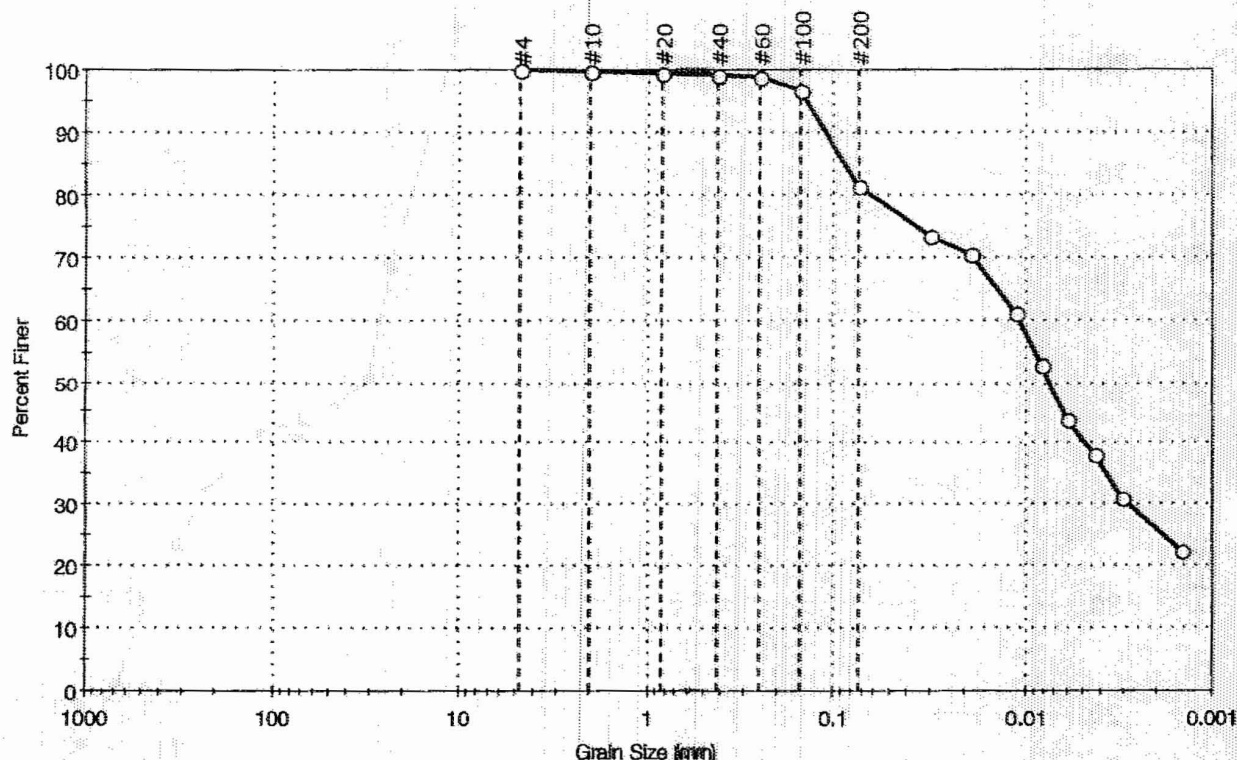
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/6/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-320	43.5	Sandy FAY CLAY, dark gray	CH	56	37		

Client:	Schnabel Engineering, Inc.	Project No:	GTX-6880
Project:	Subsurface Investigation Calvert Cliffs Nuclear PP	Tested By:	sam
Location:	Calvert County, MD	Checked By:	mcm
Boring ID:	B-320	Sample Type:	tube
Sample ID:	S-13	Test Date:	09/29/06
Depth:	48.5-50.0 ft	Test ID:	95767
Test Comment:	---		
Sample Description:	Moist, dark olive gray clay with sand		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	18.5	81.5

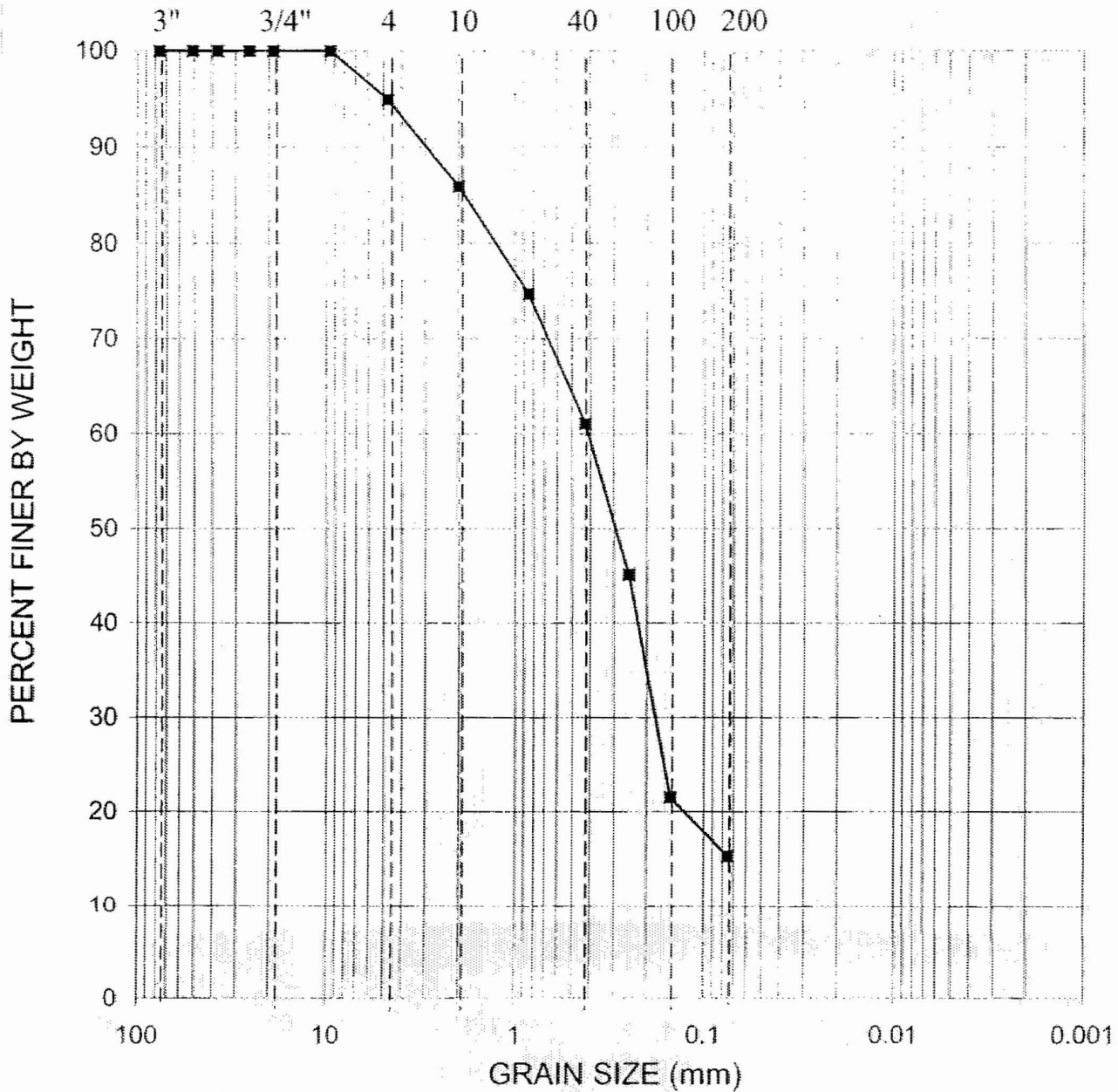
Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	99		
#40	0.425	99		
#60	0.25	99		
#100	0.15	97		
#200	0.075	82		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0303	74		
---	0.0190	70		
---	0.0112	61		
---	0.0061	53		
---	0.0059	44		
---	0.0042	38		
---	0.0031	31		
---	0.0015	22		

Coefficients	
D ₈₅ = 0.0869 mm	D ₃₀ = 0.0028 mm
D ₆₀ = 0.0107 mm	D ₁₅ = N/A
D ₅₀ = 0.0074 mm	D ₁₀ = N/A
C _u = N/A	C _c = N/A

Classification	
ASTM	fat clay with sand (CH)
AASHTO	Clayey Soils (A-7-6 (38))


Sample/Test Description	
Sand/Gravel Particle Shape :	---
Sand/Gravel Hardness :	---

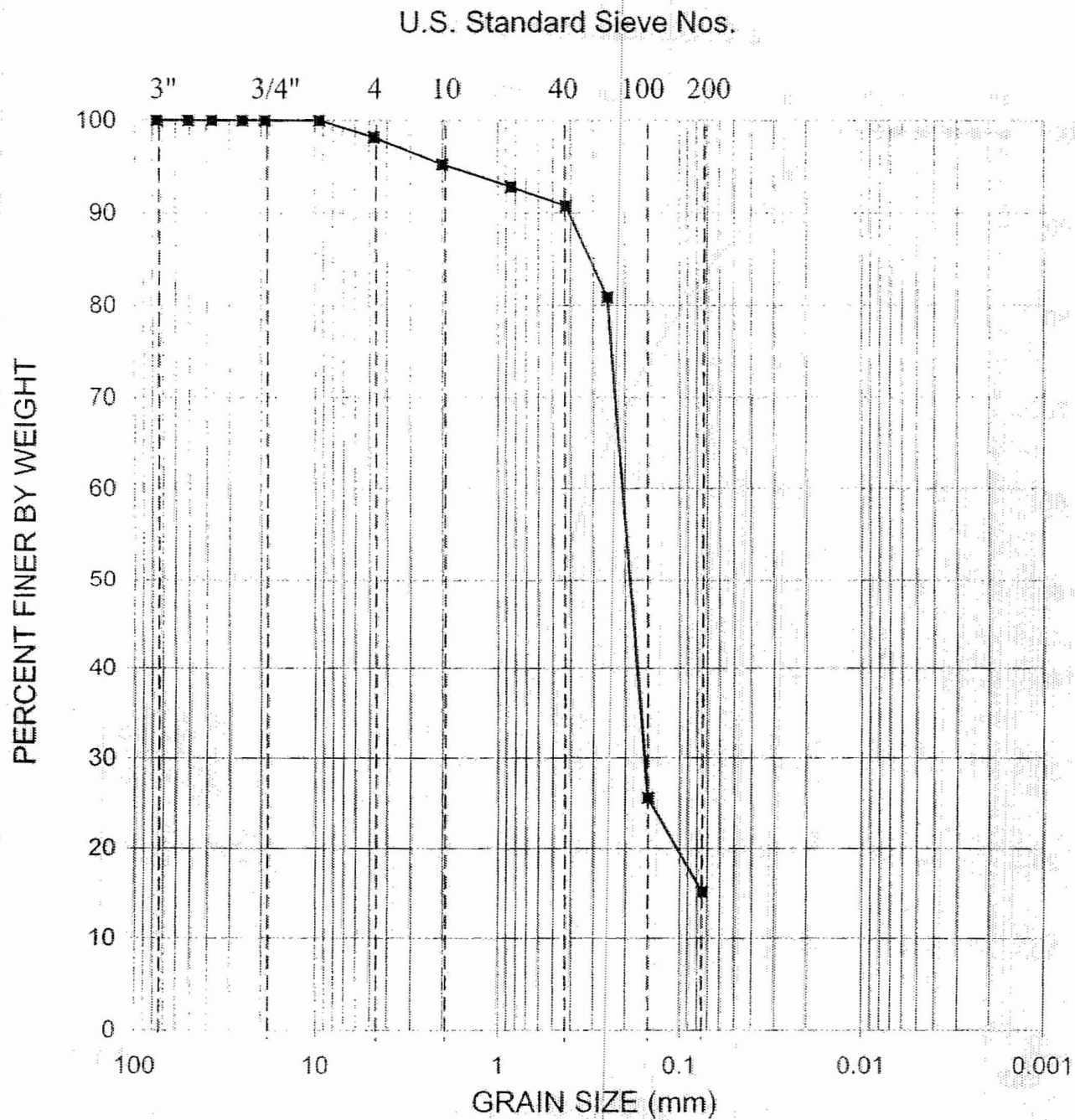
U.S. Standard Sieve Nos.



GRADATION CURVE


ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	8/21/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-320	73.5	Silty SAND, trace cemented sand, contains shells	SM				



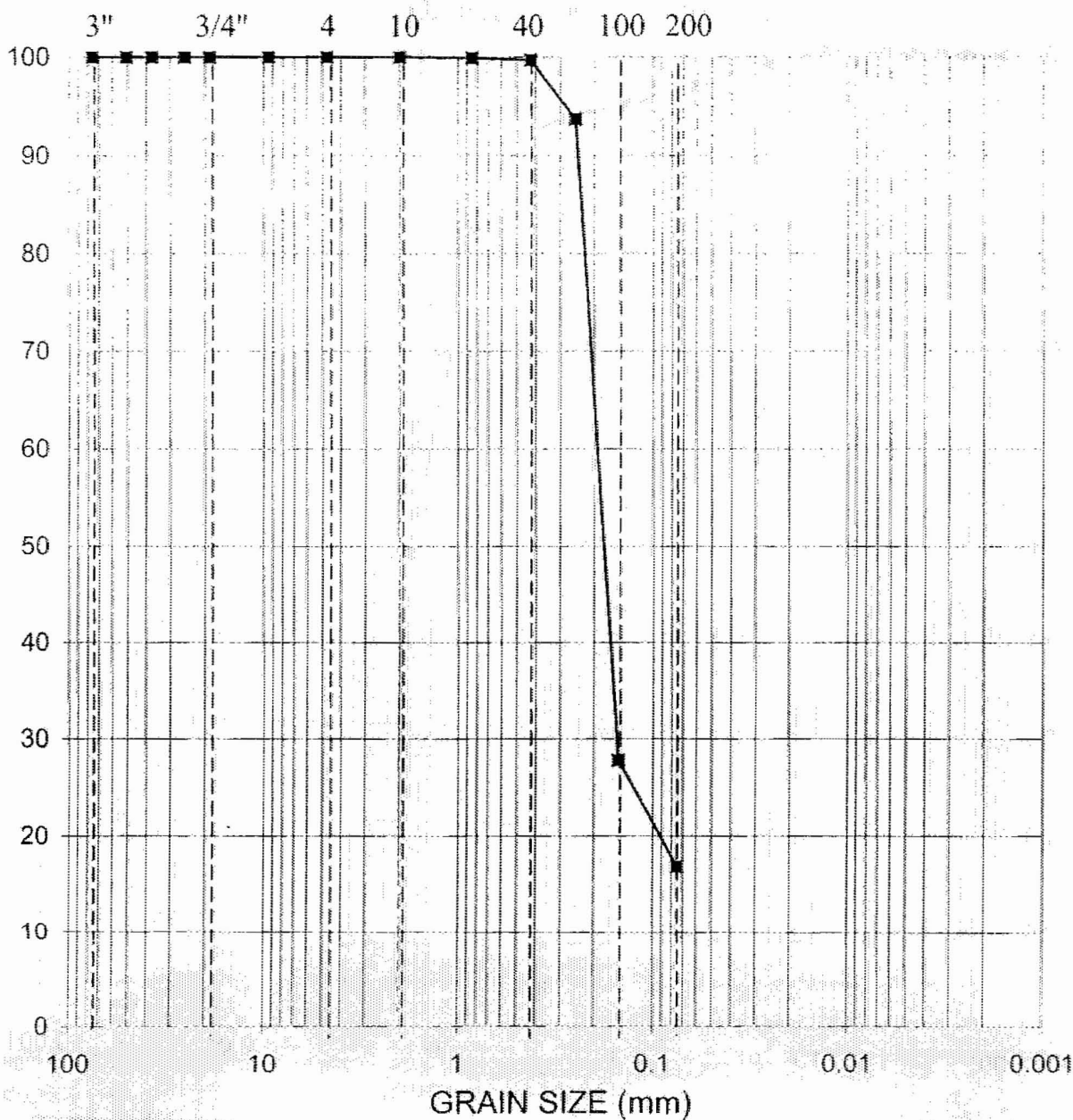
GRADATION CURVE

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	93.5	Silty SAND, trace shells, dark green	SM				

U.S. Standard Sieve Nos.

PERCENT FINER BY WEIGHT




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:	8/21/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-320	103.5	Silty SAND, gray	SM				