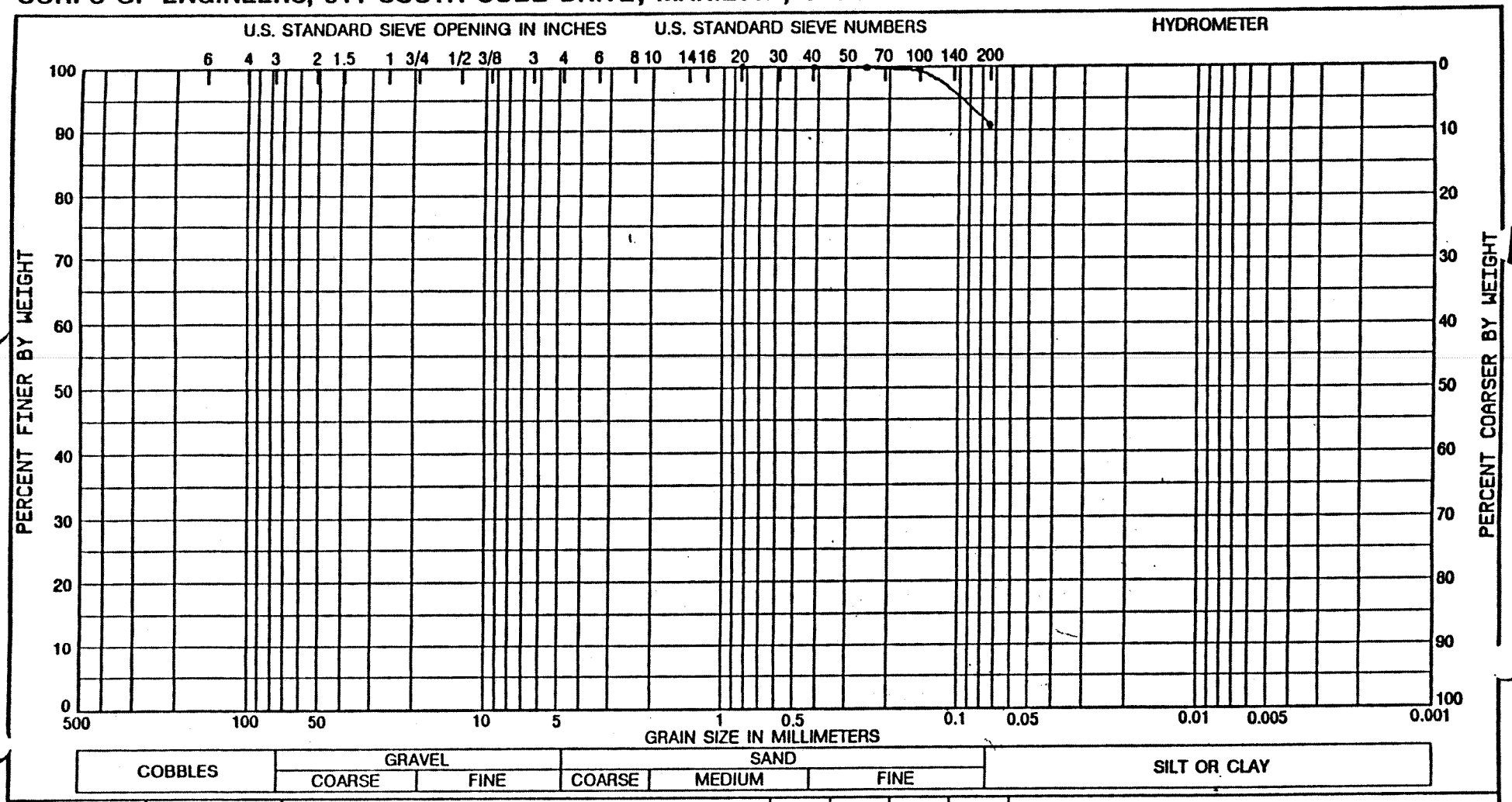
DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



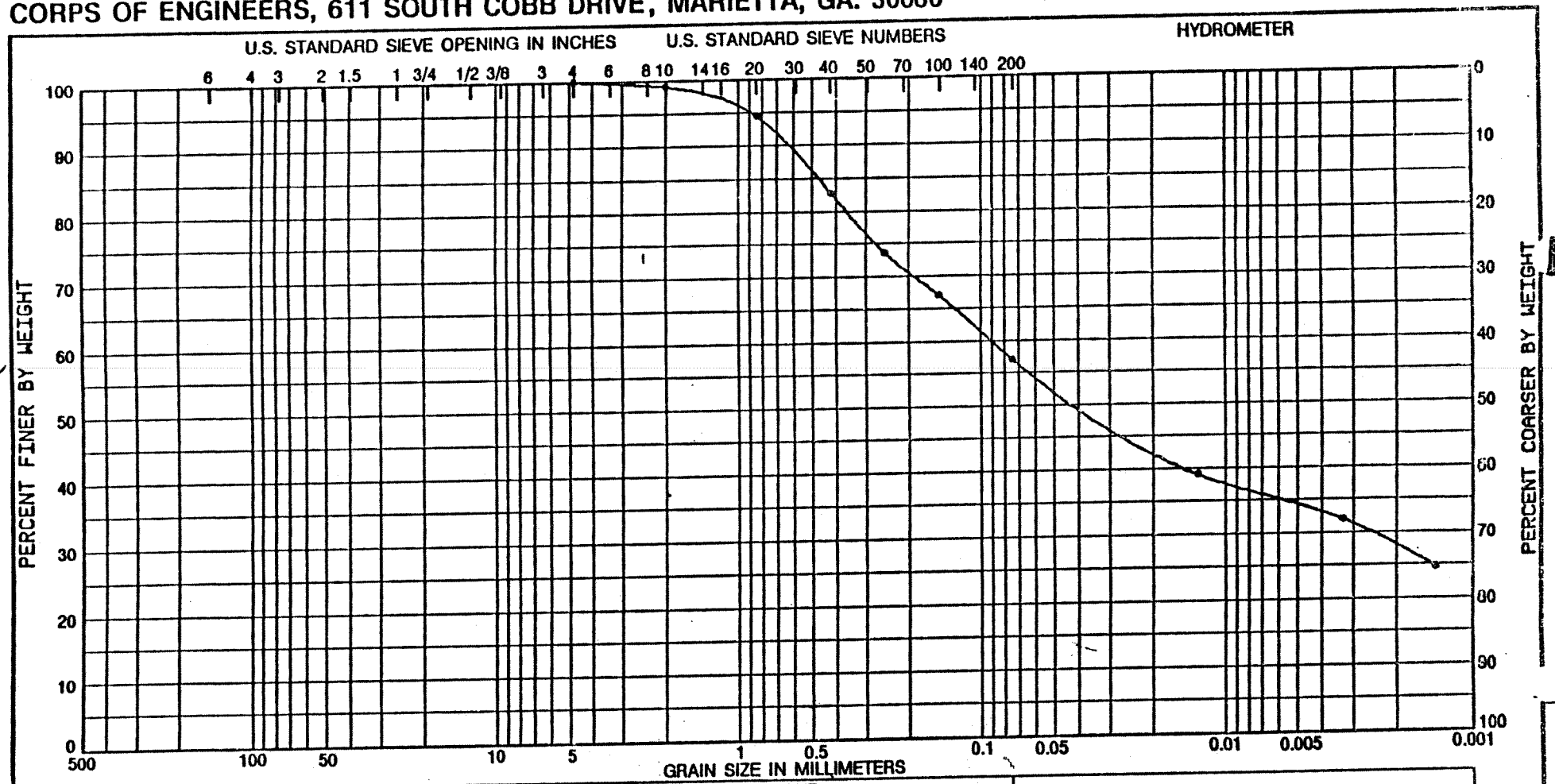
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	49.2-50.7'	Gray inorganic silt high LL (MH), clayey, micaceous, with a trace of sand. Specific gravity = 2.78	66.2	111	58	53

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1628
Boring No. SH-167
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

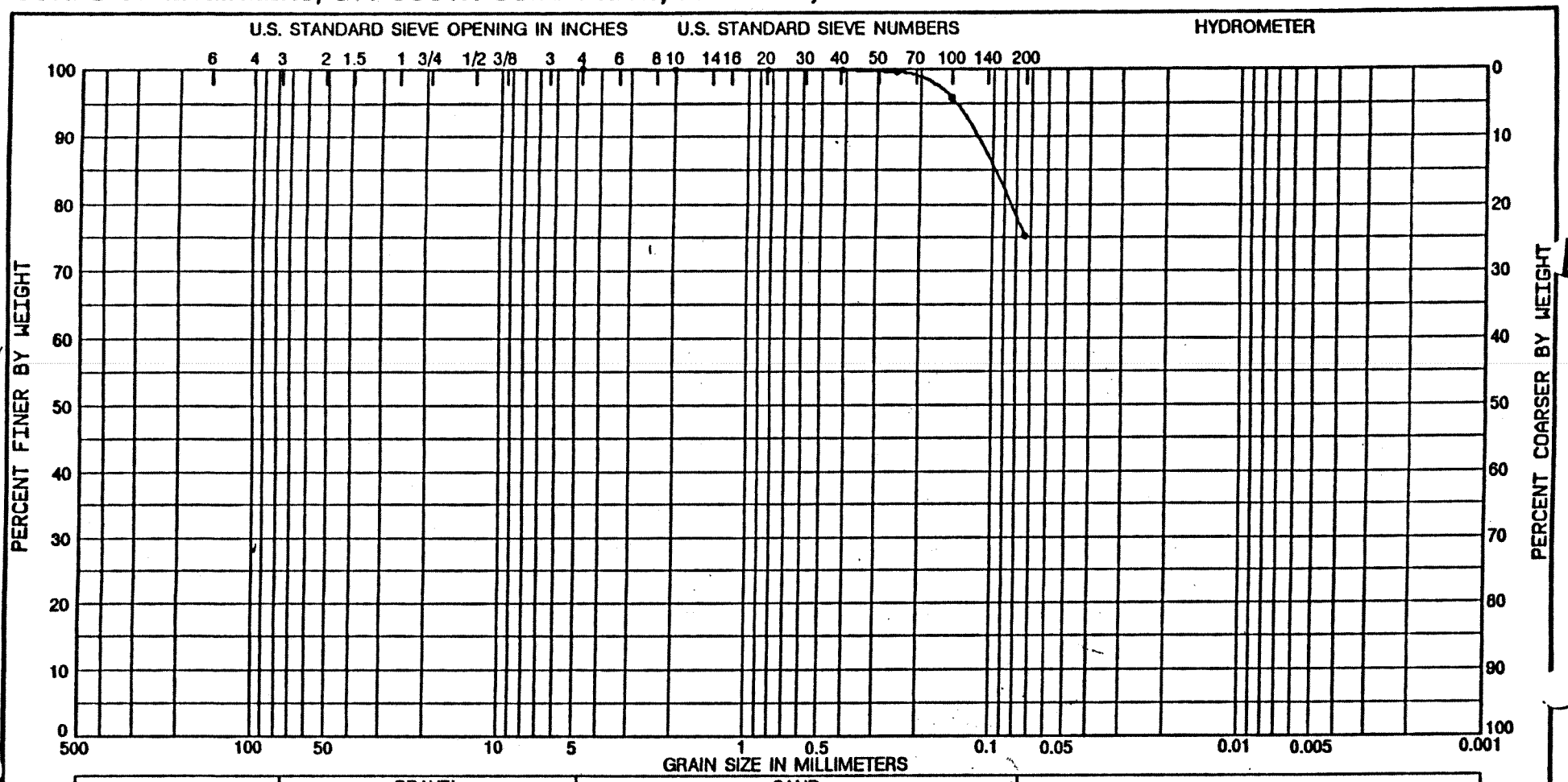
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	40.9-43.8'	Dk. gray fat clay (CH), sandy, slightly organic, with a trace of mica. Specific gravity = 2.60	–	110	43	67

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1631
Boring No. SH-168
Date 05/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

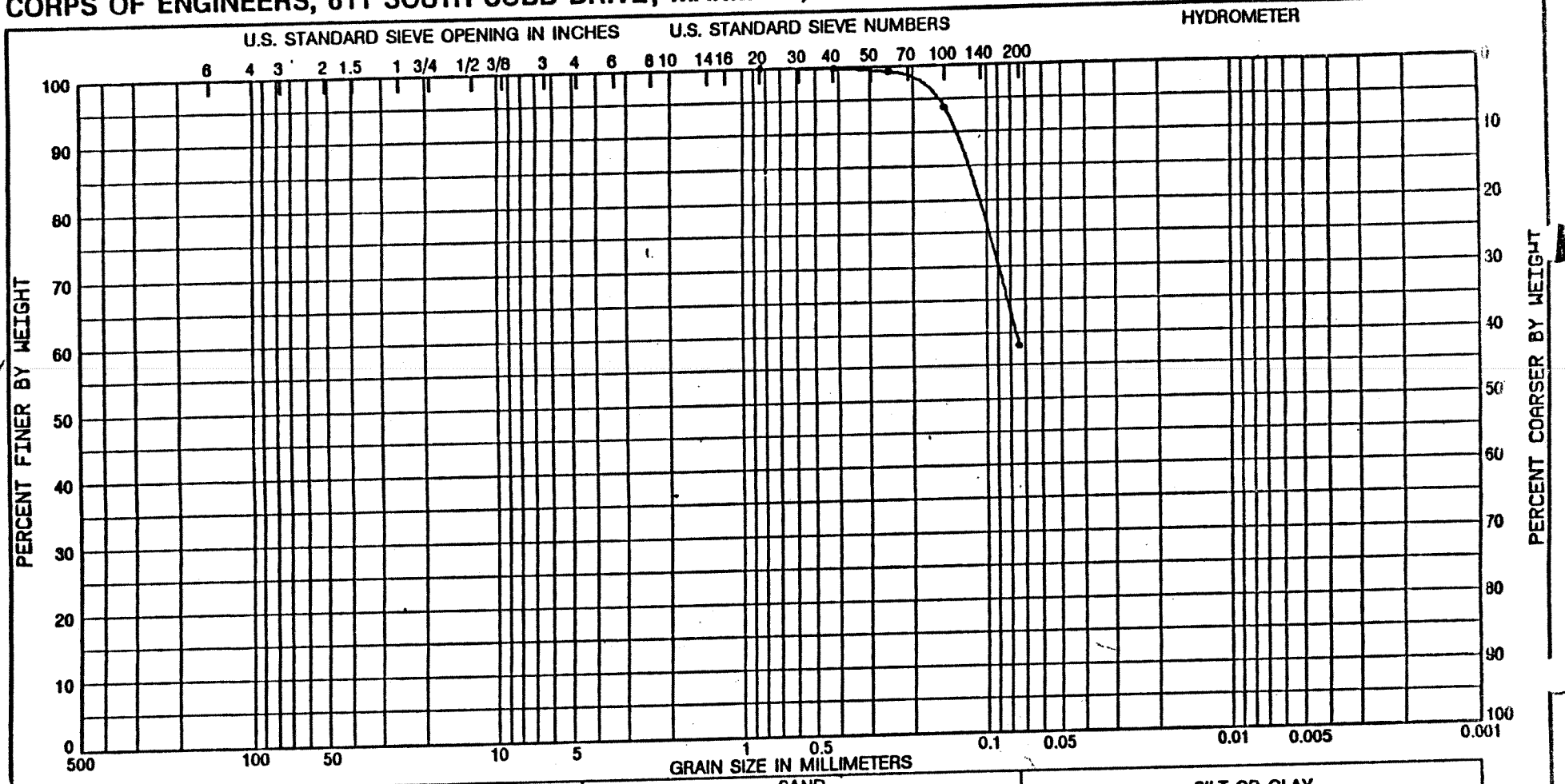
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	53.5-55.0'	Gray inorganic silt high LL (MH), clayey, micaceous, with some sand. Specific gravity = 2.75	-	86	51	35

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1635
Boring No. SH-168A
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



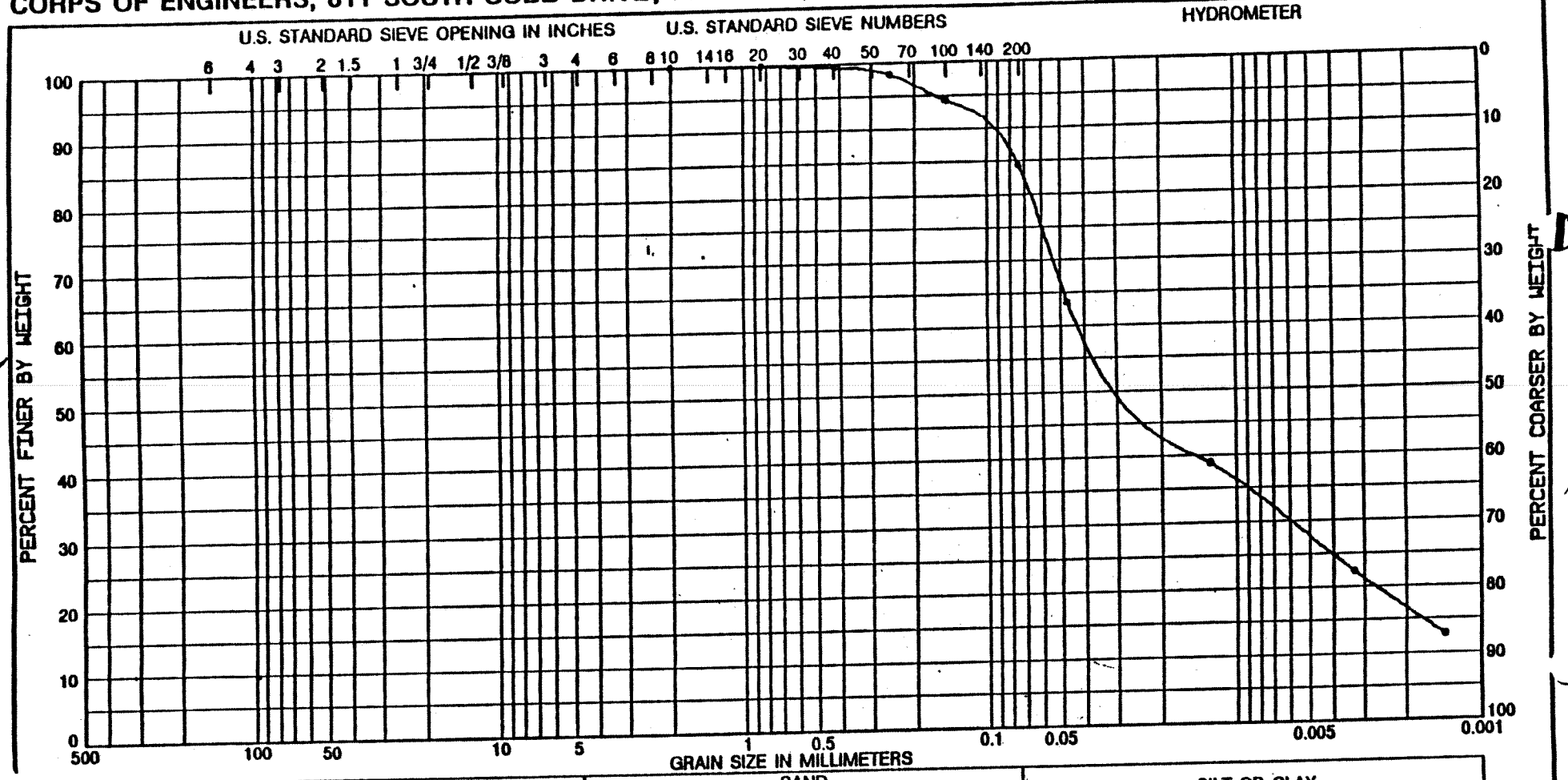
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	40.8-42.3'	Gray inorganic silt high LL (MH), clayey, micaceous, sandy. Specific gravity = 2.75	-	77	37	40

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1637
Boring No. SH-169
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

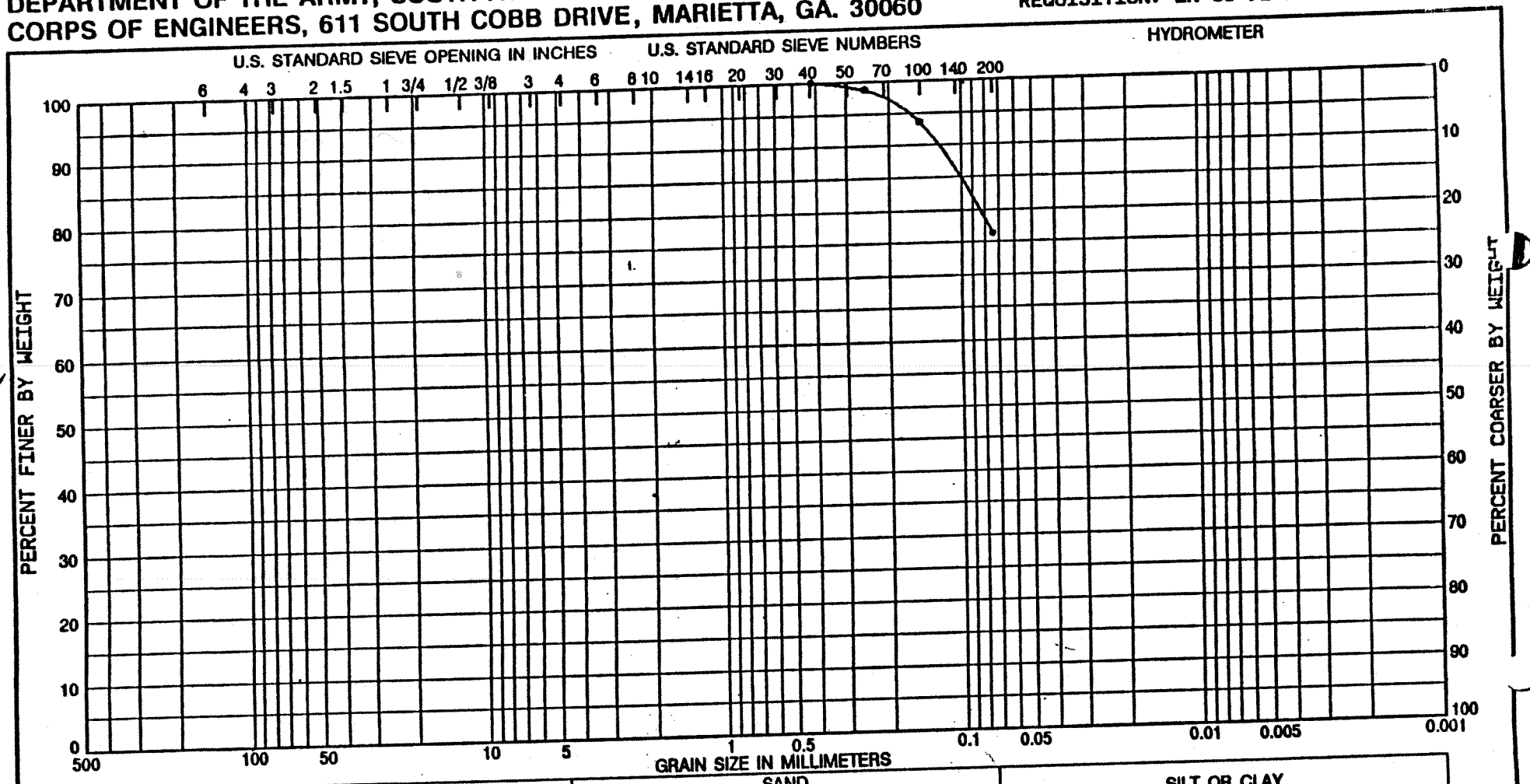
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	41.8-43.3'	Gray inorganic silt high LL (MH), clayey with a little sand and with a trace of mica and shell. Specific gravity = 2.79	-	152	79	73

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1363
Boring No. SH-170
Date 02/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

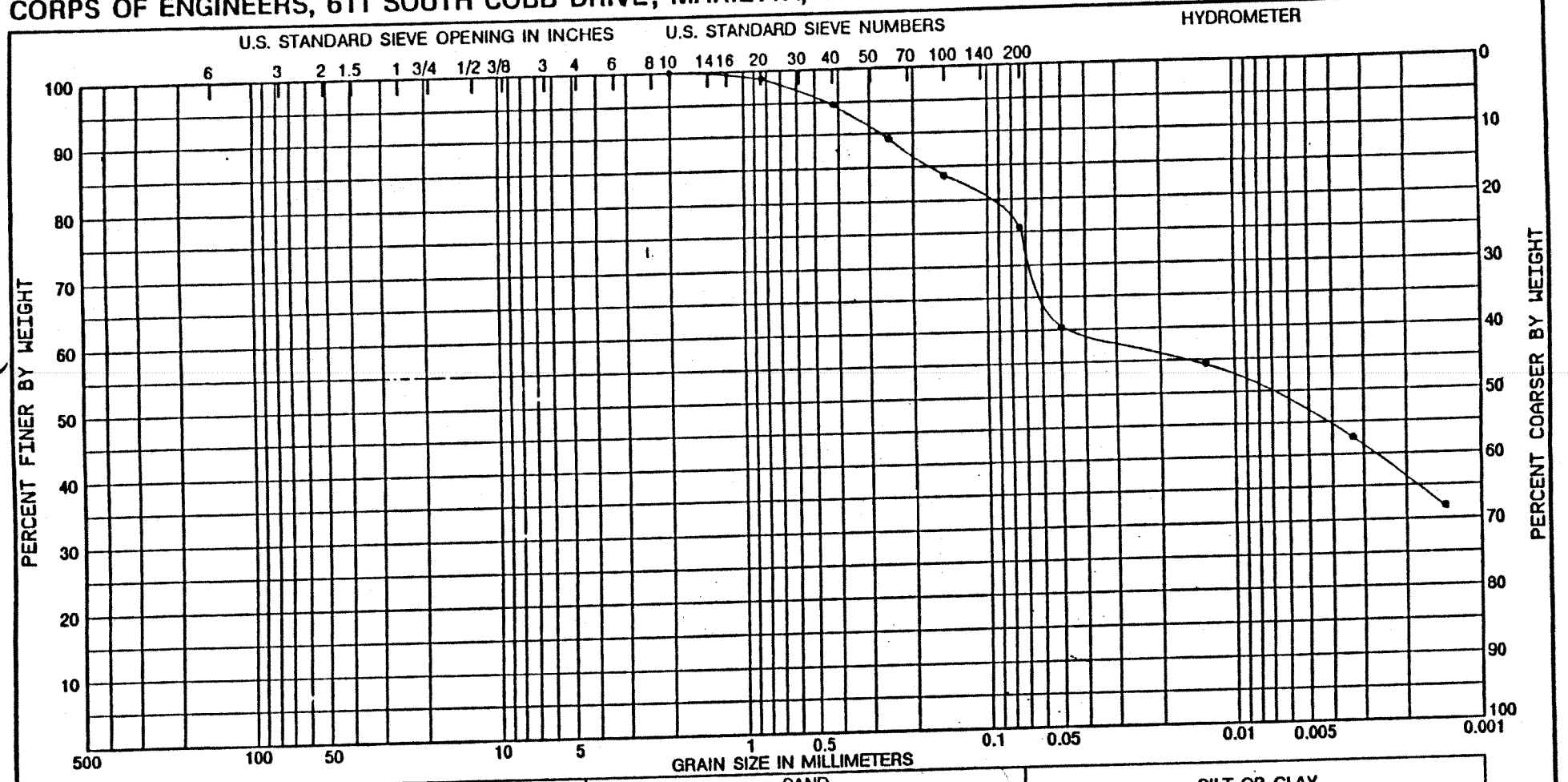
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	49.3-50.8'	Gray inorganic silt high LL (MH), clayey, micaceous, with some sand. Specific gravity = 2.80	-	124	72	52

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1365
Boring No. SH-170
Date 02/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

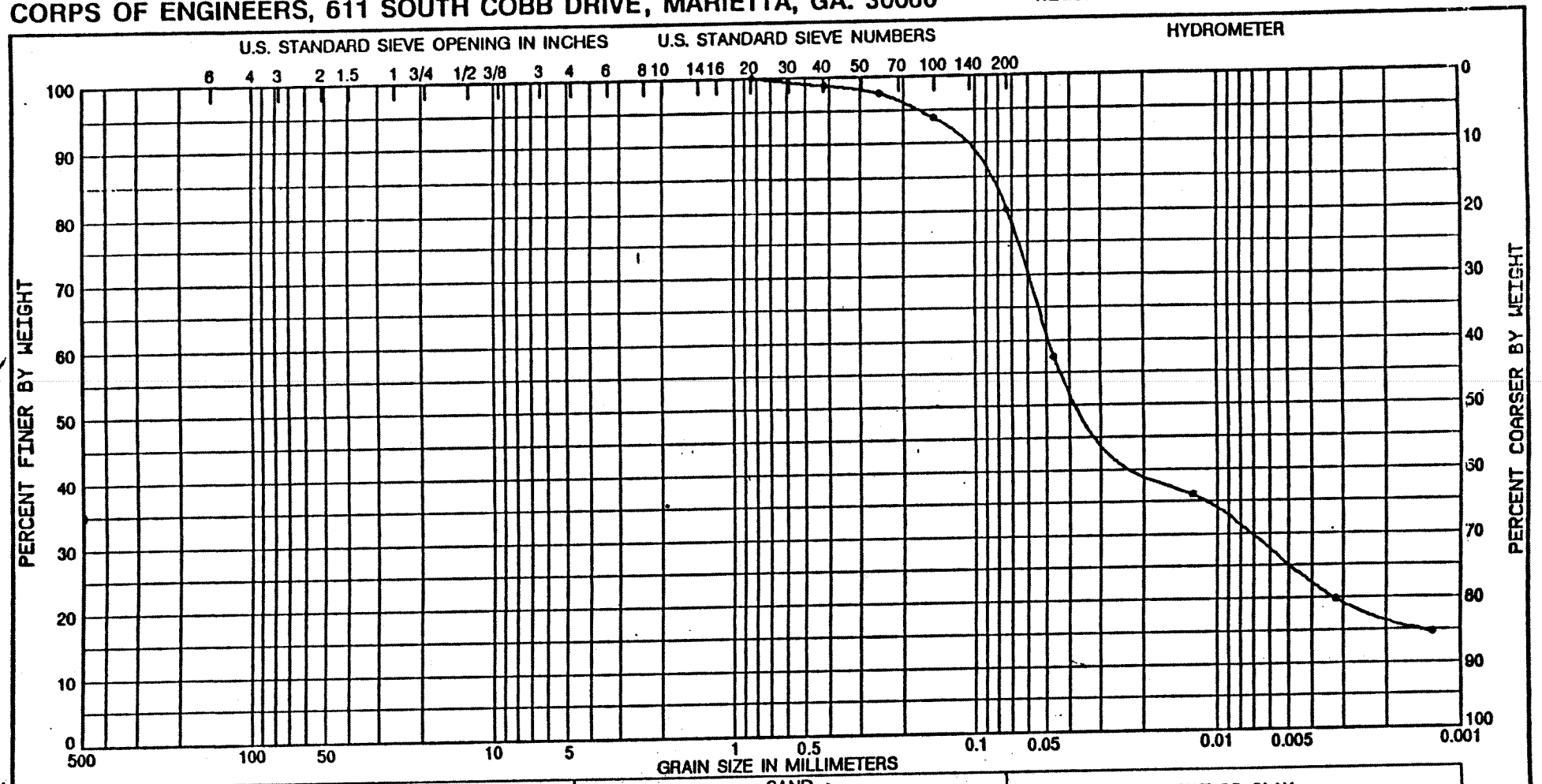
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	39.5-44.5'	Dk. gray fat clay (CH), slightly organic with some sand and with a trace of mica. Specific gravity = 2.59	-	158	56	102

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1514
Boring No. SH-171
Date 04/29/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



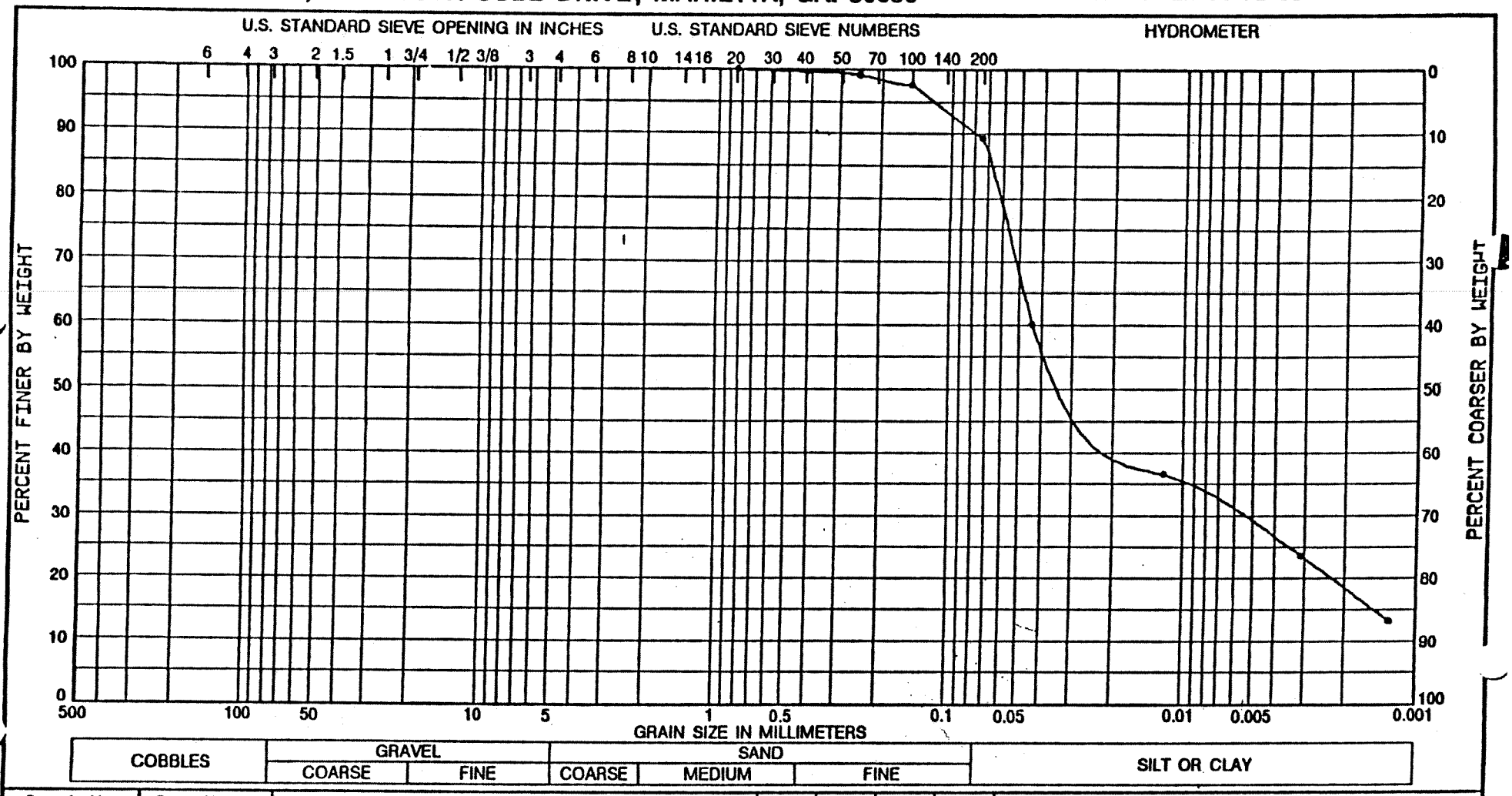
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	45.5-47.0'	Tan & gray inorganic silt high LL (MH), clayey, with a little sand and with a trace of mica. Specific gravity = 2.74	100.0	114	63	51

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1516
Boring No. SH-171
Date 04/30/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

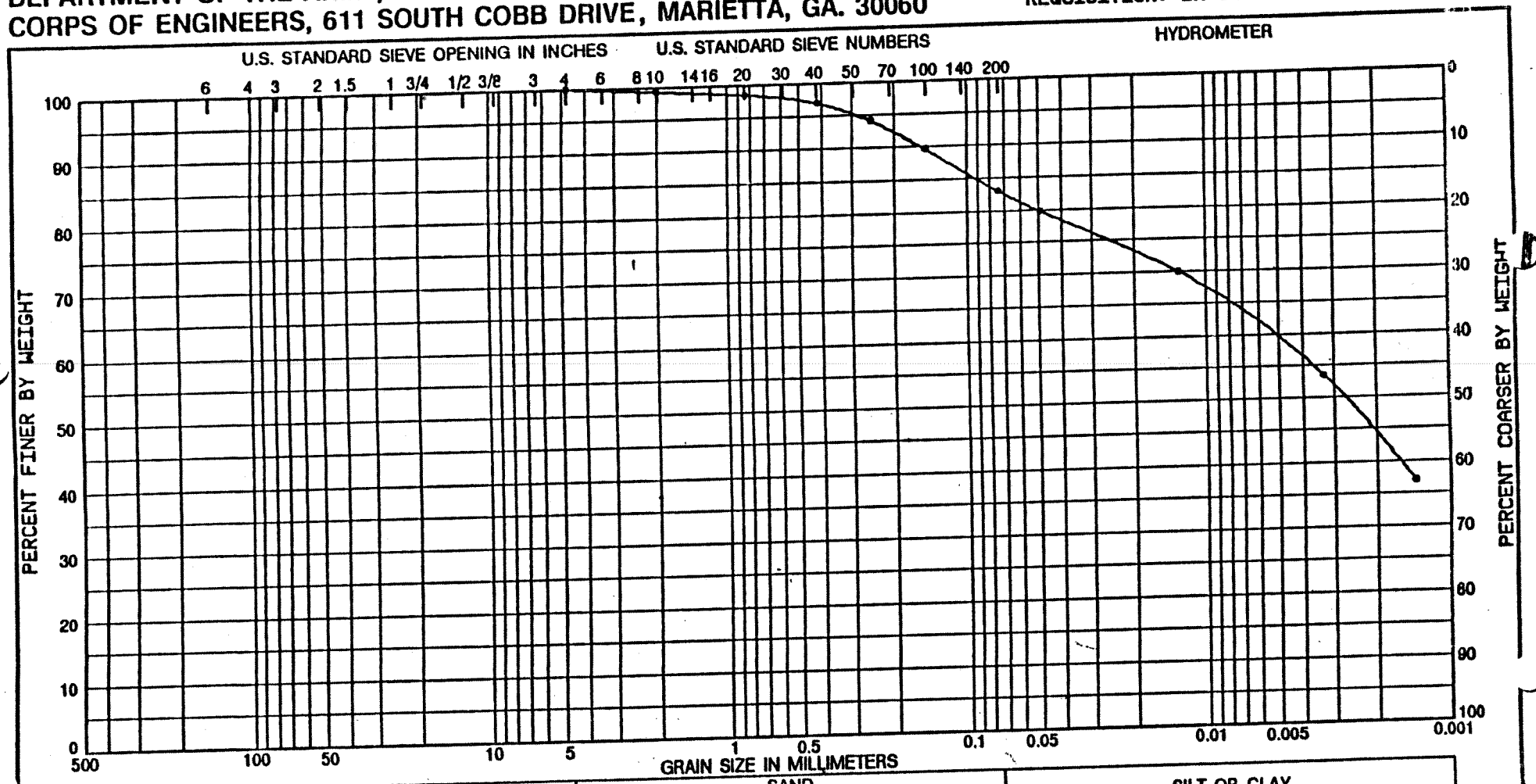
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.4-44.9'	Gray inorganic silt high LL (MH), clayey, with a little sand and with a trace of mica and roots. Specific gravity = 2.77	-	108	56	52

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1642
Boring No. SH-172
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

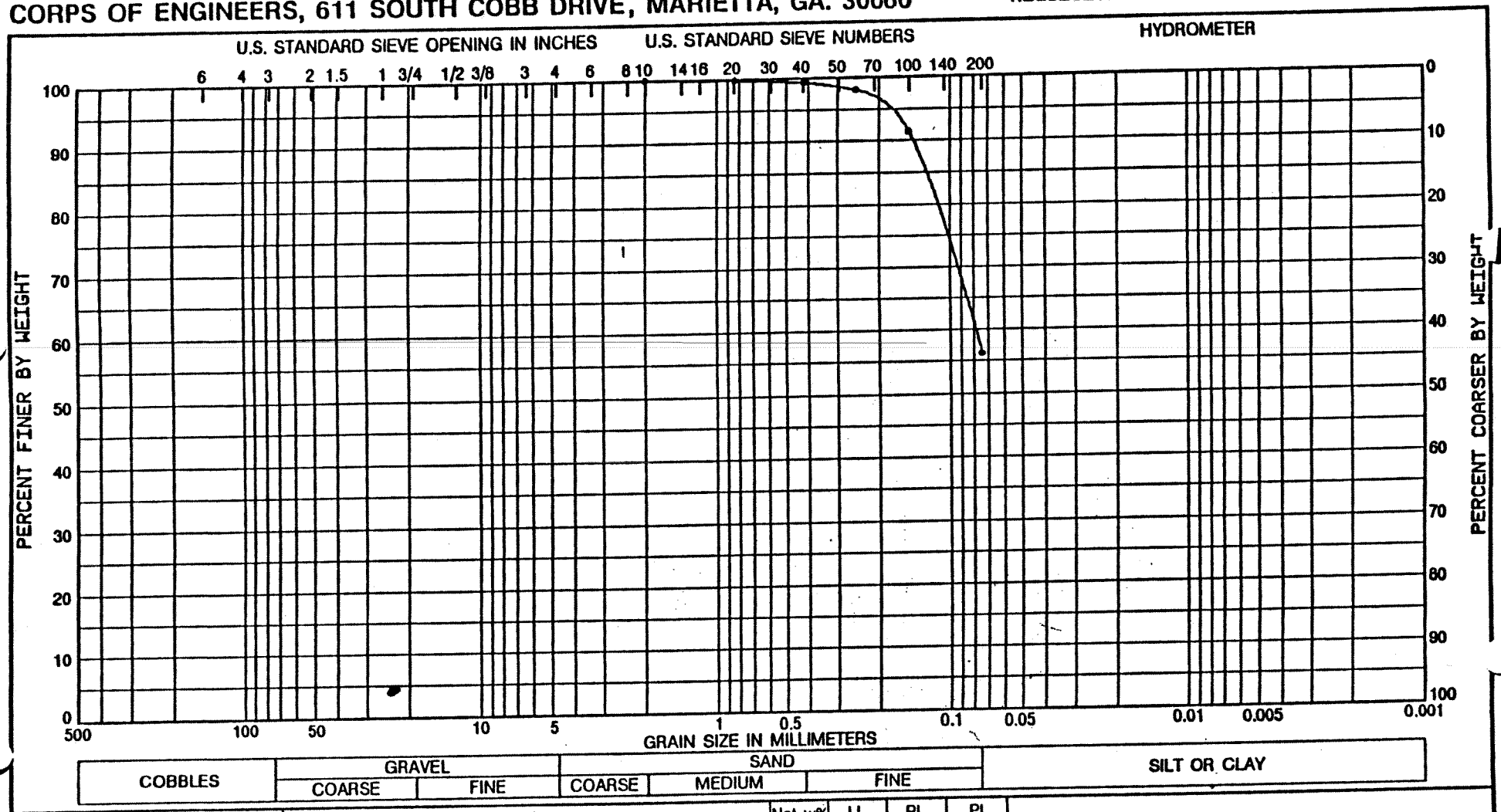
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	44.4-47.5'	Dk. gray inorganic silt high LL (MH), clayey, slightly organic, with a little sand and with a trace of mica. Specific gravity = 2.62	--	152	57	95

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1646
Boring No. SH-173
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



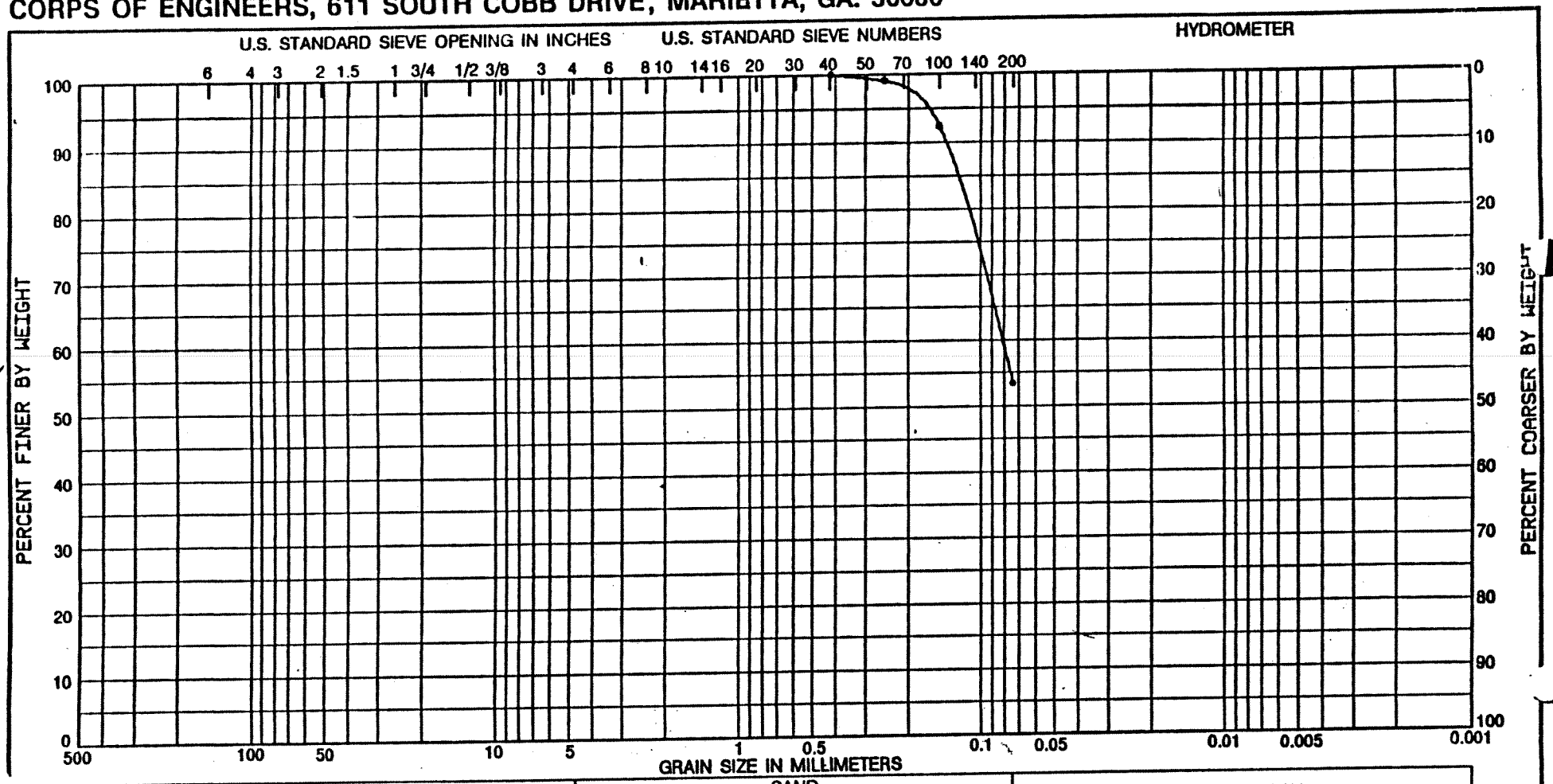
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	43.1-44.6'	Gray inorganic silt high LL (MH), clayey, micaceous, sandy. Specific gravity = 2.75	-	71	36	35

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1651
Boring No. SH-174
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

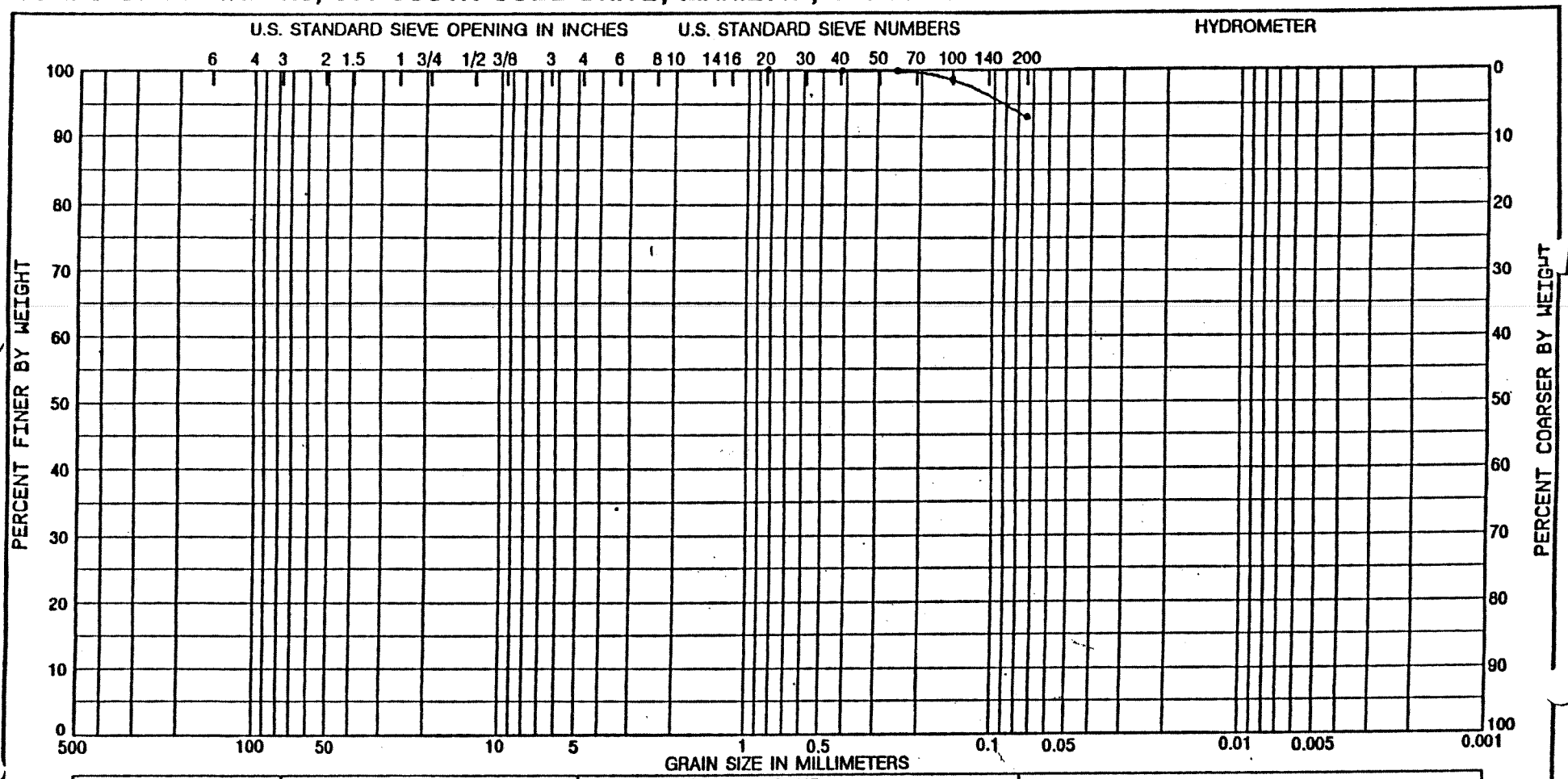
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.6-45.1'	Gray inorganic silt high LL (MH), clayey, micaceous, sandy. Specific gravity = 2.74	-	82	45	37

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1368
Boring No. SH-175
Date 02/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	44.2-45.7'	Gray inorganic silt high LL (MH), clayey, micaceous, with a trace of sand. Specific gravity = 2.74	-	128	73	55

Project Savannah Harbor

Preliminary Borings

Lab No. 97/1656

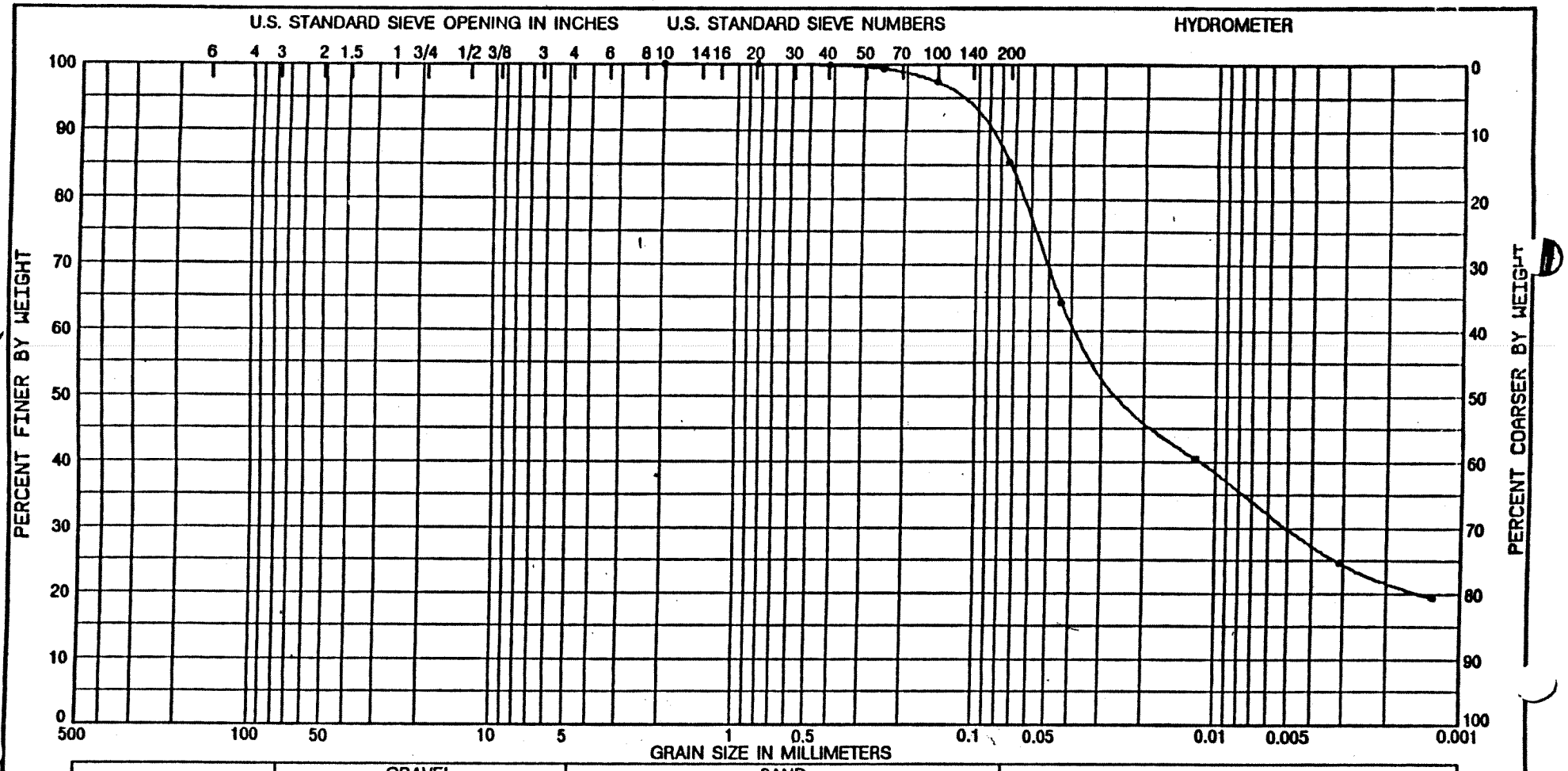
Boring No. SH-176

Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	42.8-44.3'	Greenish gray inorganic silt high LL (MH), -		108	60	48
		clayey, with a little sand and with a				
		trace of mica,				
		Specific gravity = 2.74				

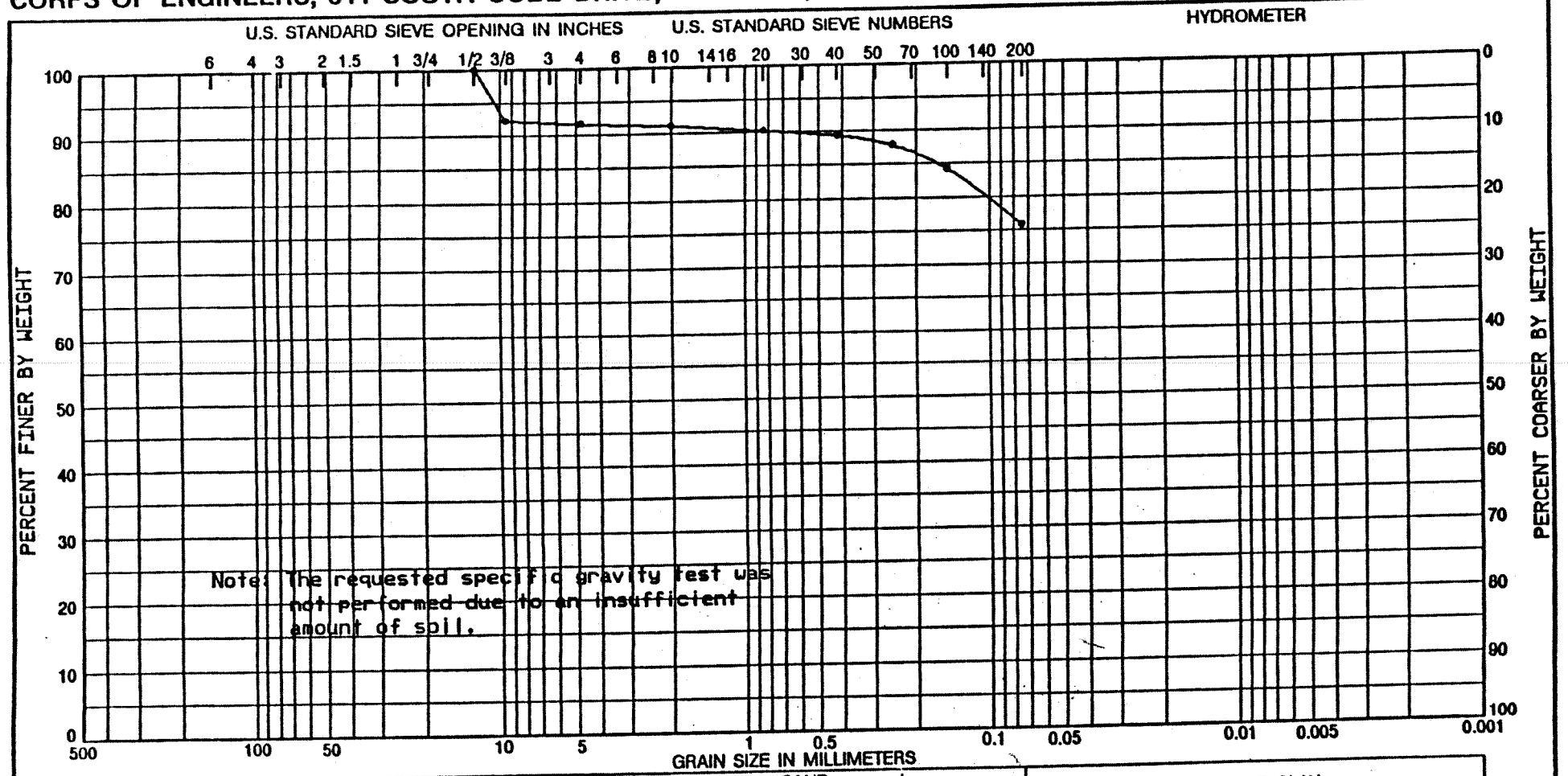
Project Savannah Harbor
Preliminary Borings
Lab No. 97/1663
Boring No. SH-177
Date 05/12/92

GRADATION CURVES

34

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.0-45.2'	Greenish gray inorganic silt high LL (MH), micaceous, with a little sand and w/a trace of gravel size weathered rock fragments and with decayed wood.	–	140	63	77

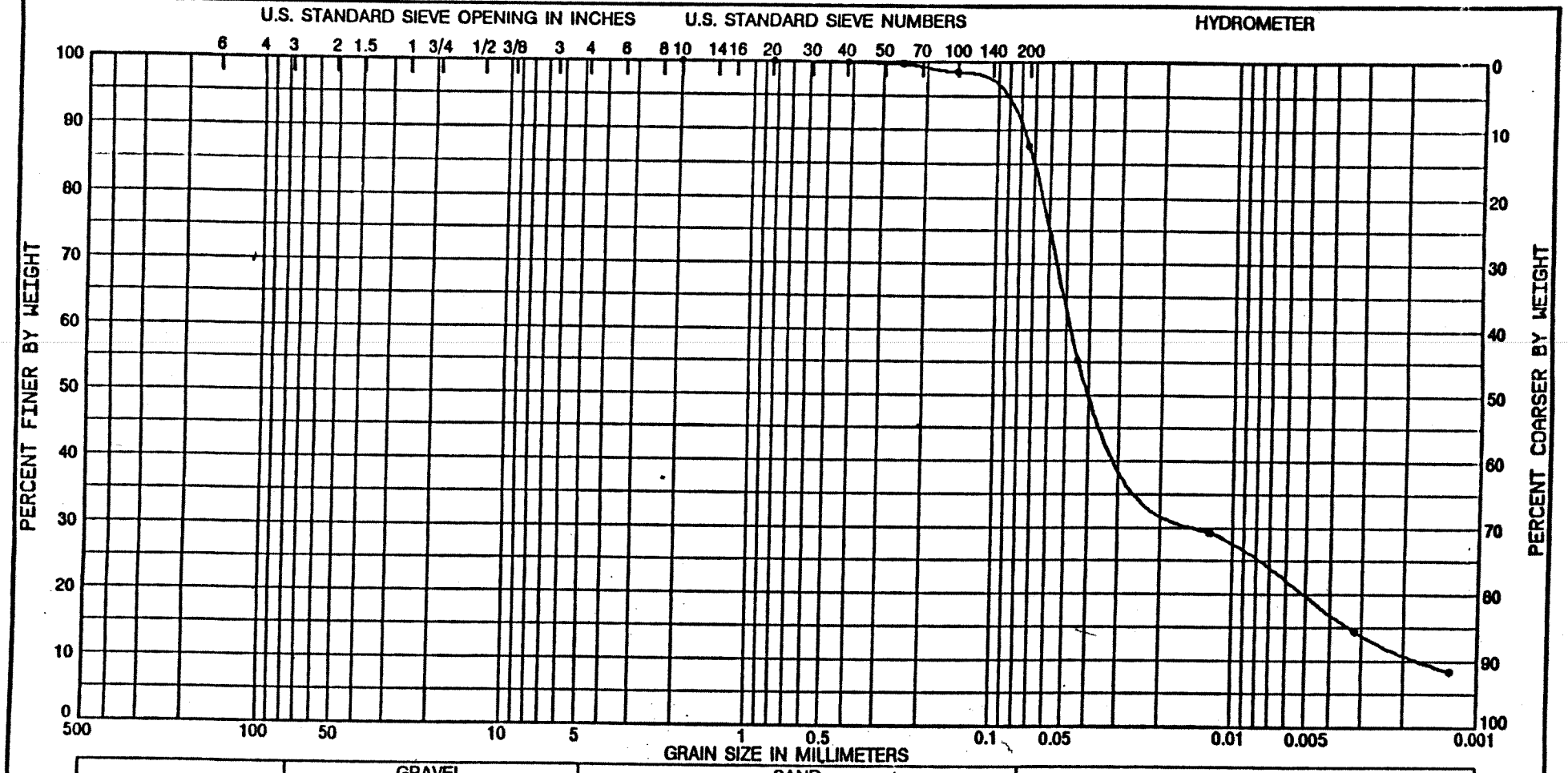
Project Savannah Harbor
Preliminary Borings
Lab No. 97/1788
Boring No. SH-178
Date 06/07/92

GRADATION CURVES

35

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	52.7-54.2'	Greenish gray inorganic silt high LL (MH), clayey, with a little sand and with a trace of mica. Specific gravity = 2.74	-	90	55	35

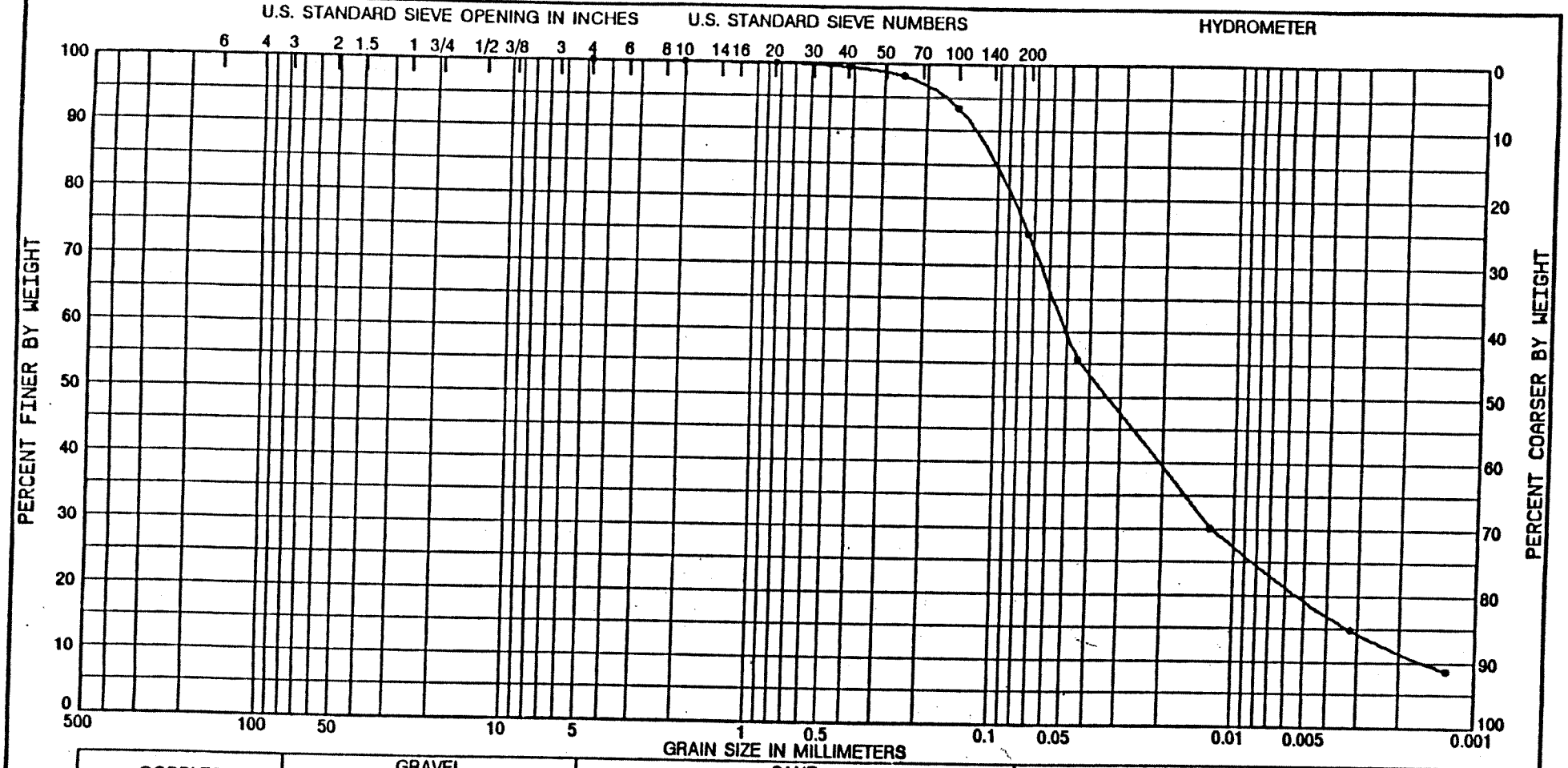
Project Savannah Harbor
Preliminary Borings
Lab No. 97/1790
Boring No. SH-178
Date 06/07/92

GRADATION CURVES

36

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

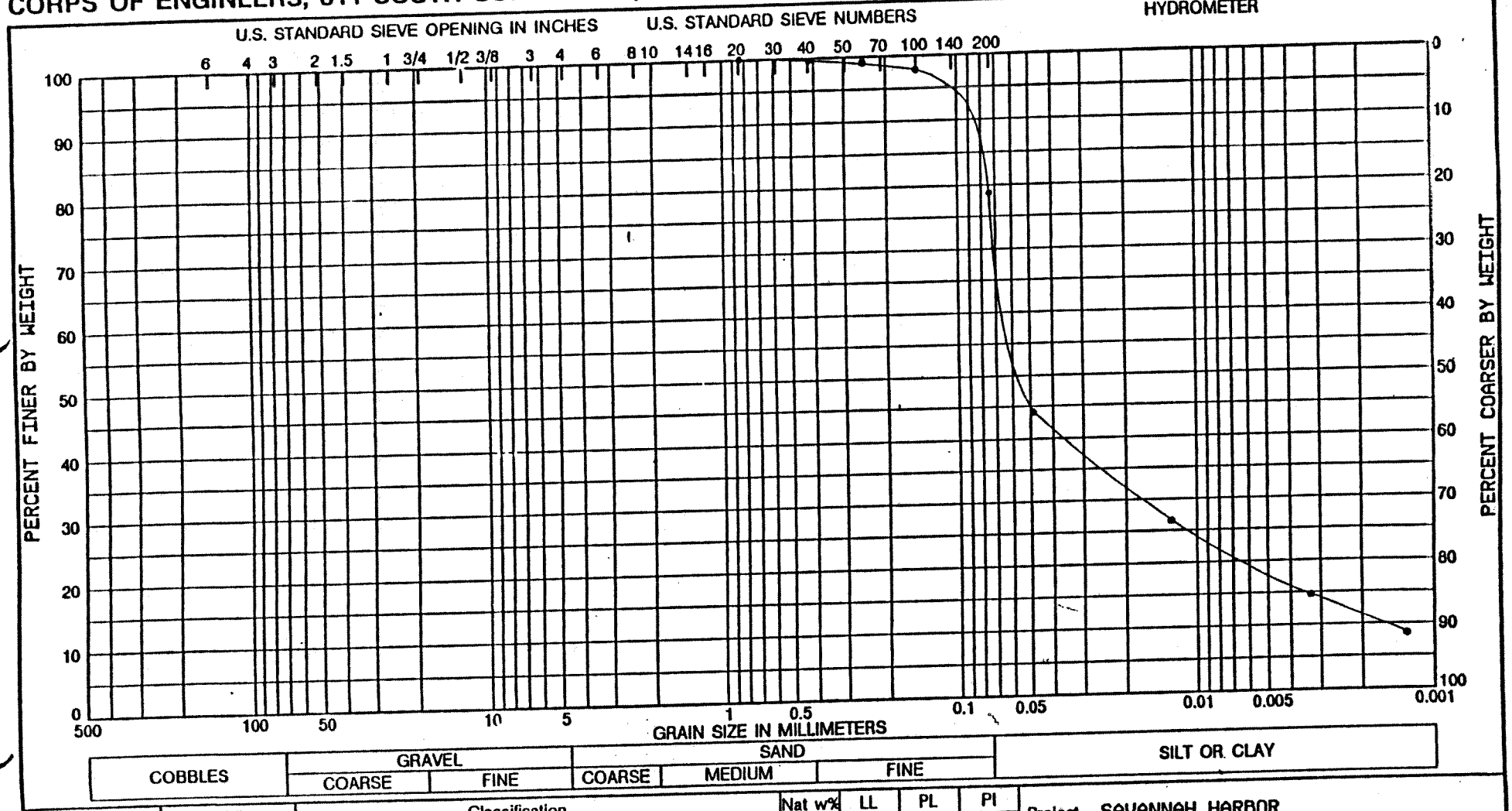
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	45.4-46.9'	Greenish gray inorganic silt high LL (MH), with some sand and with a trace of mica and organic matter. Specific gravity = 2.73	–	94	56	38

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1793
Boring No. SH-179
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	47.4-48.9'	Greenish gray inorganic silt high LL (MH), clayey, micaceous, with some sand. Specific gravity = 2.75	53.2	79	47	32

Project SAVANNAH HARBOR
PRELIMINARY BORINGS

Lab No. 97/1521

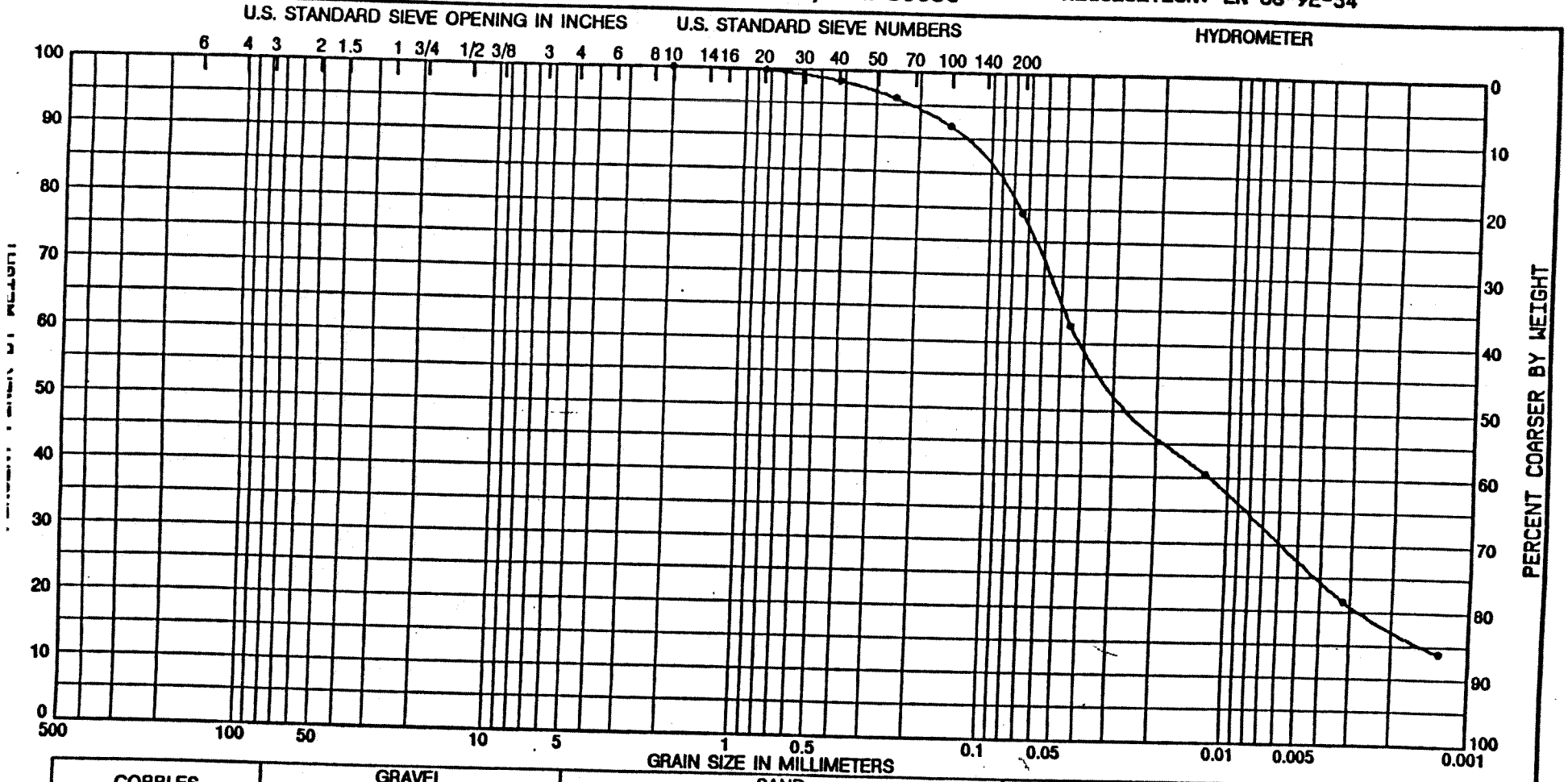
Boring No. SH-180

Date 04/30/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

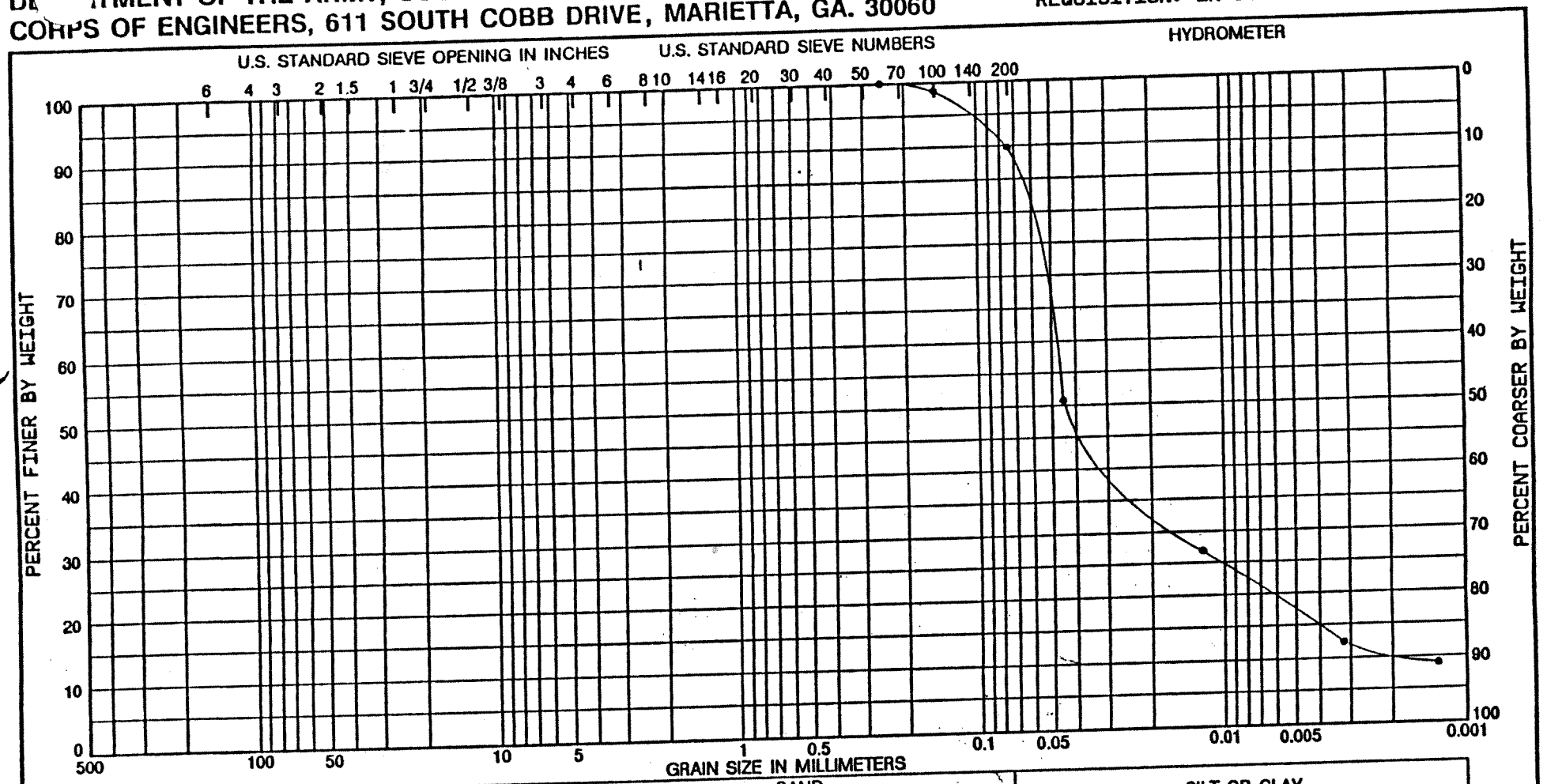
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	42.1-43.6'	Gray inorganic silt high LL (MH), clayey, with some sand and with a trace of mica. Specific gravity = 2.73	–	130	68	62

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1798
Boring No. SH-181
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	44.8-46.3'	Greenish gray inorganic silt high LL (MH), clayey, with a little sand and with a trace of mica. Specific gravity = 2.76	62.0	108	60	48

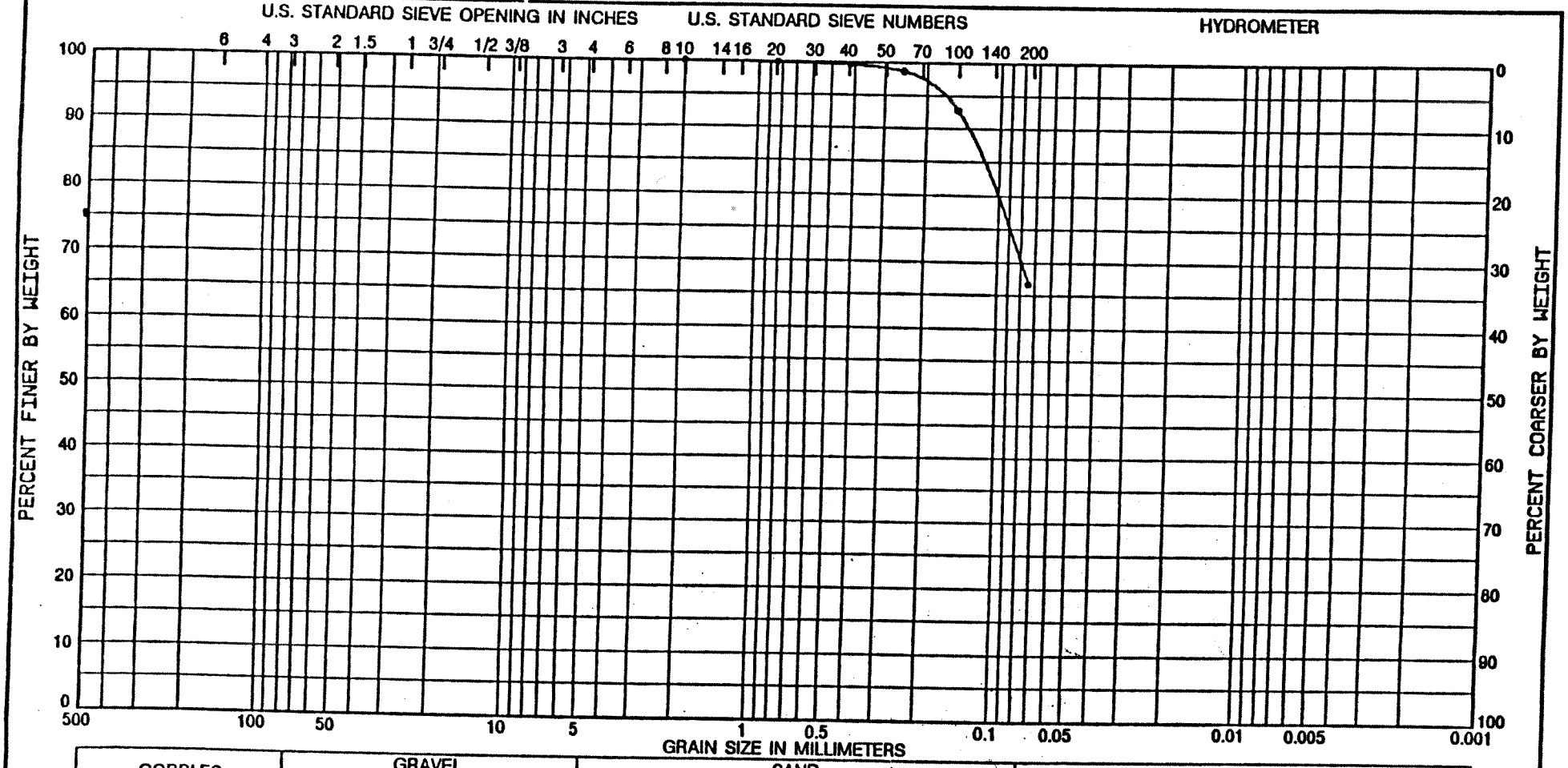
Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1525
Boring No. SH-182
Date 04/30/92

GRADATION CURVES

40

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

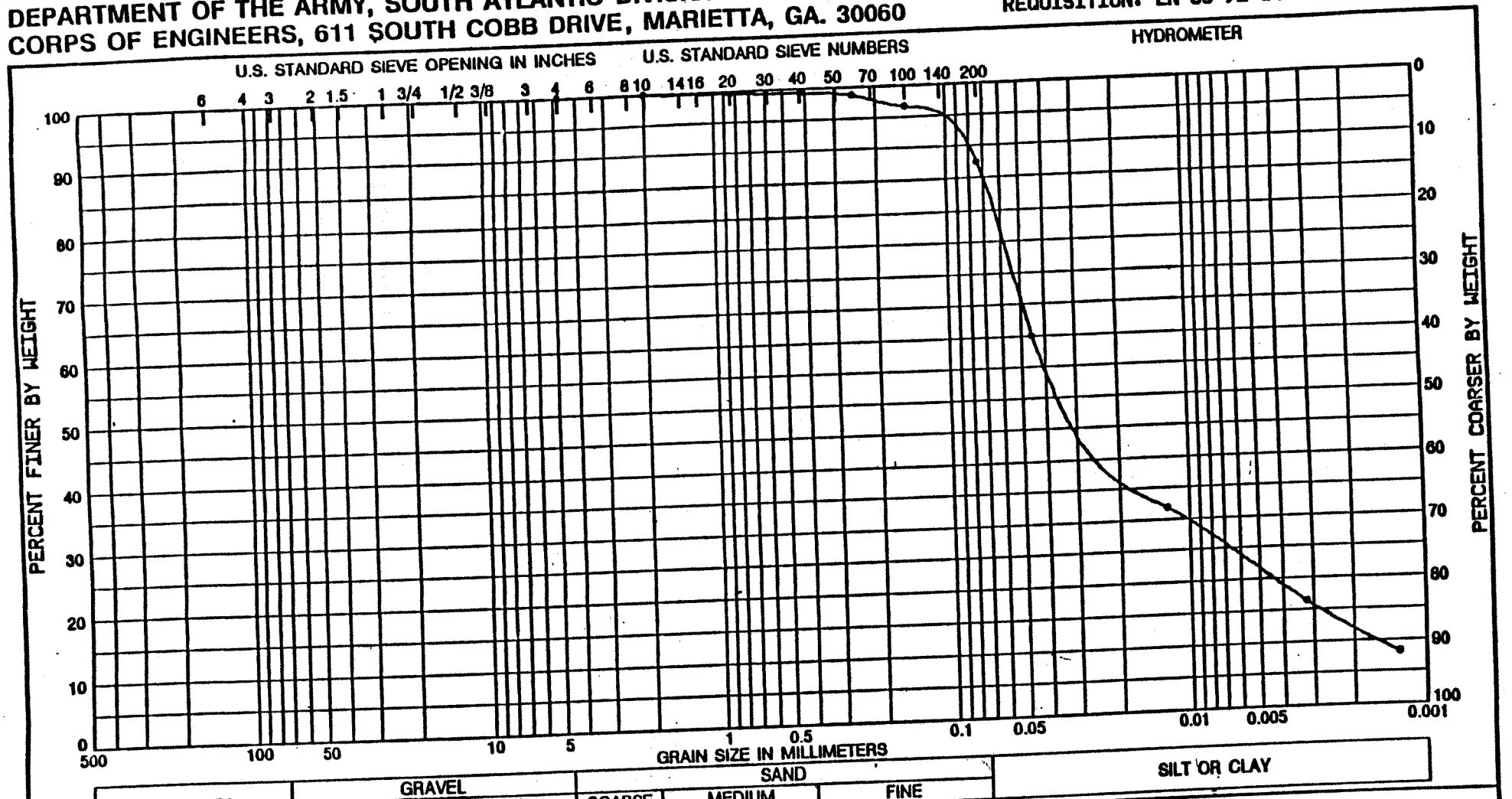
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	41.5-43.0'	Greenish gray inorganic silt high LL (MH), clayey, micaceous, with some sand. Specific gravity = 2.73	-	99	54	45

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1803
Boring No. SH-183
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

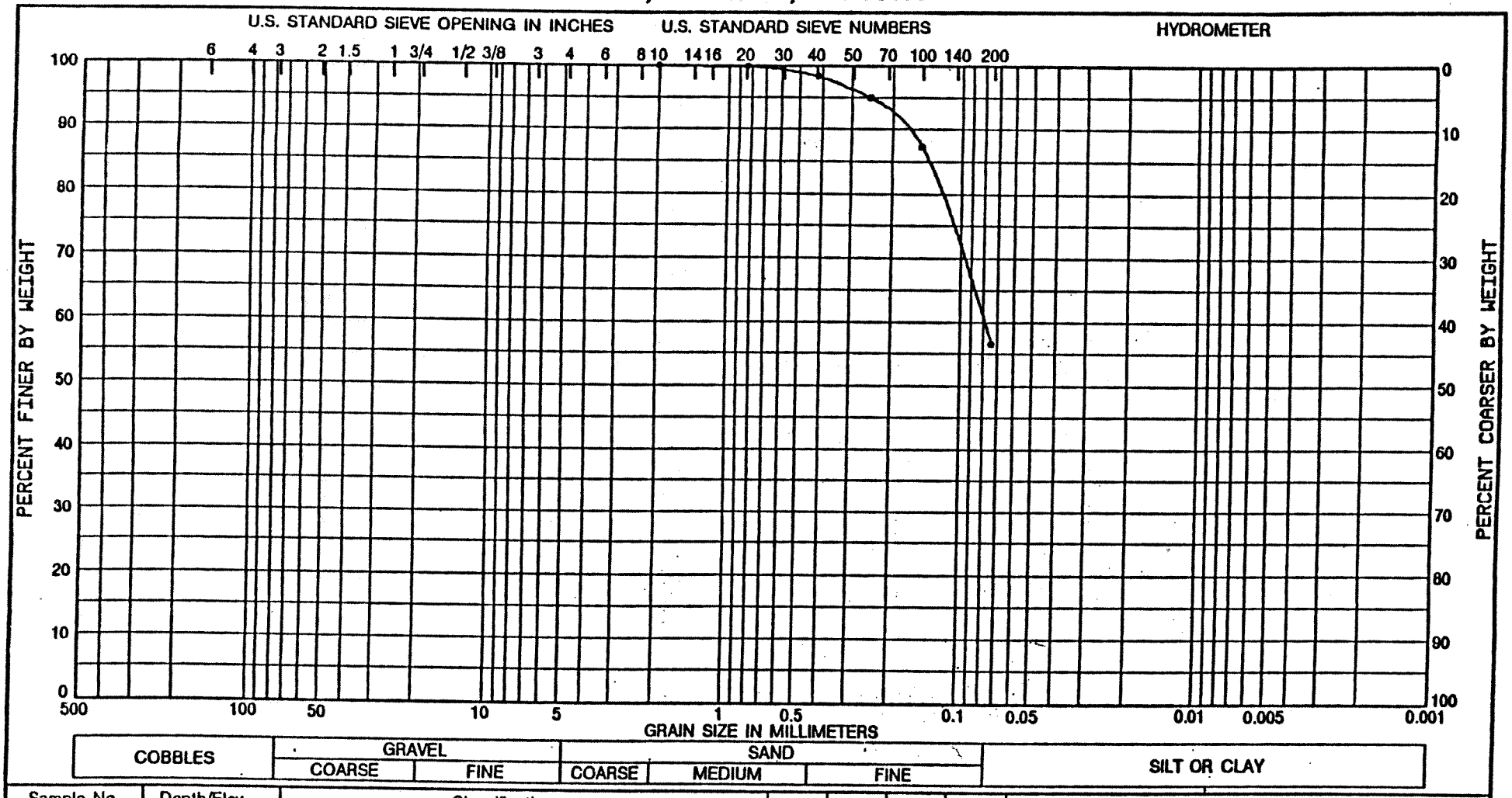
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	42.9-44.4'	Gray inorganic silt high LL (MH), clayey with a little sand and with a trace of mica. Specific gravity = 2.72	71.5	102	55	47

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1808
Boring No. SH-184
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

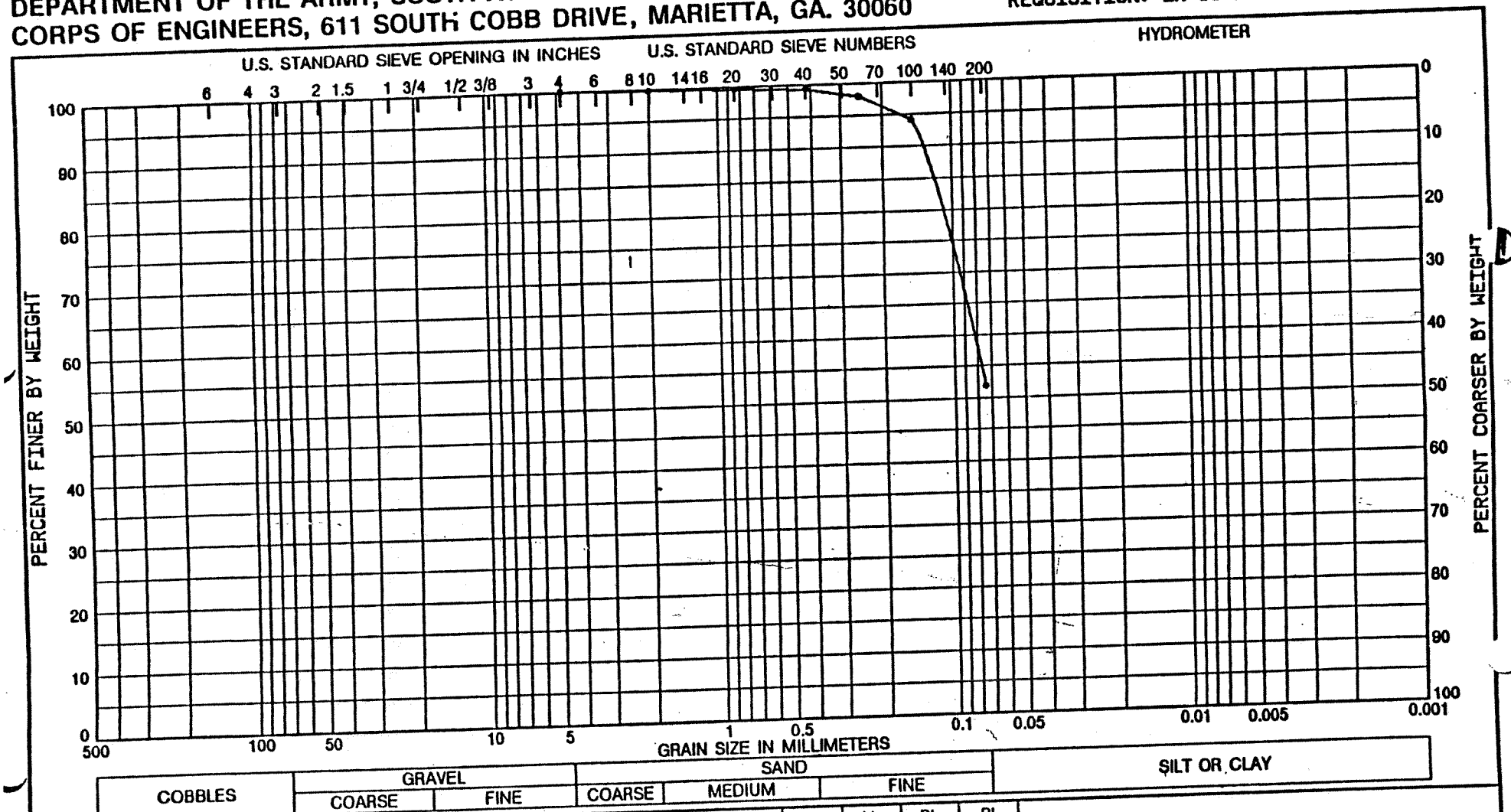
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	51.9-53.4'	Gray fat clay (CH), sandy, with a trace of mica. Specific gravity = 2.74	-	86	28	58

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1810
Boring No. SH-184
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



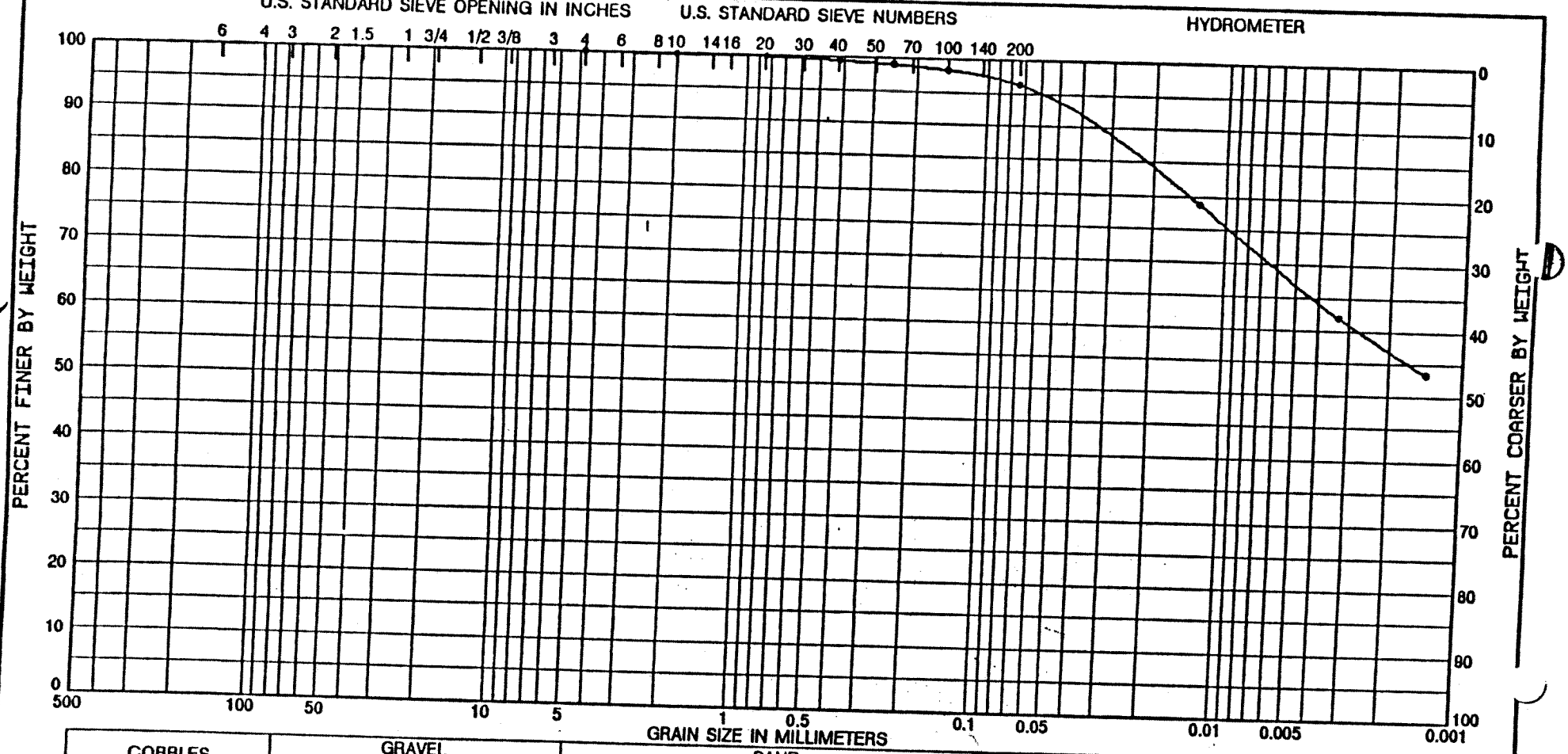
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	46.8-48.3'	Gray inorganic silt high LL (MH), clayey, sandy, with a trace of mica. Specific gravity = 2.75	-	75	35	40

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1671
Boring No. SH-185
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

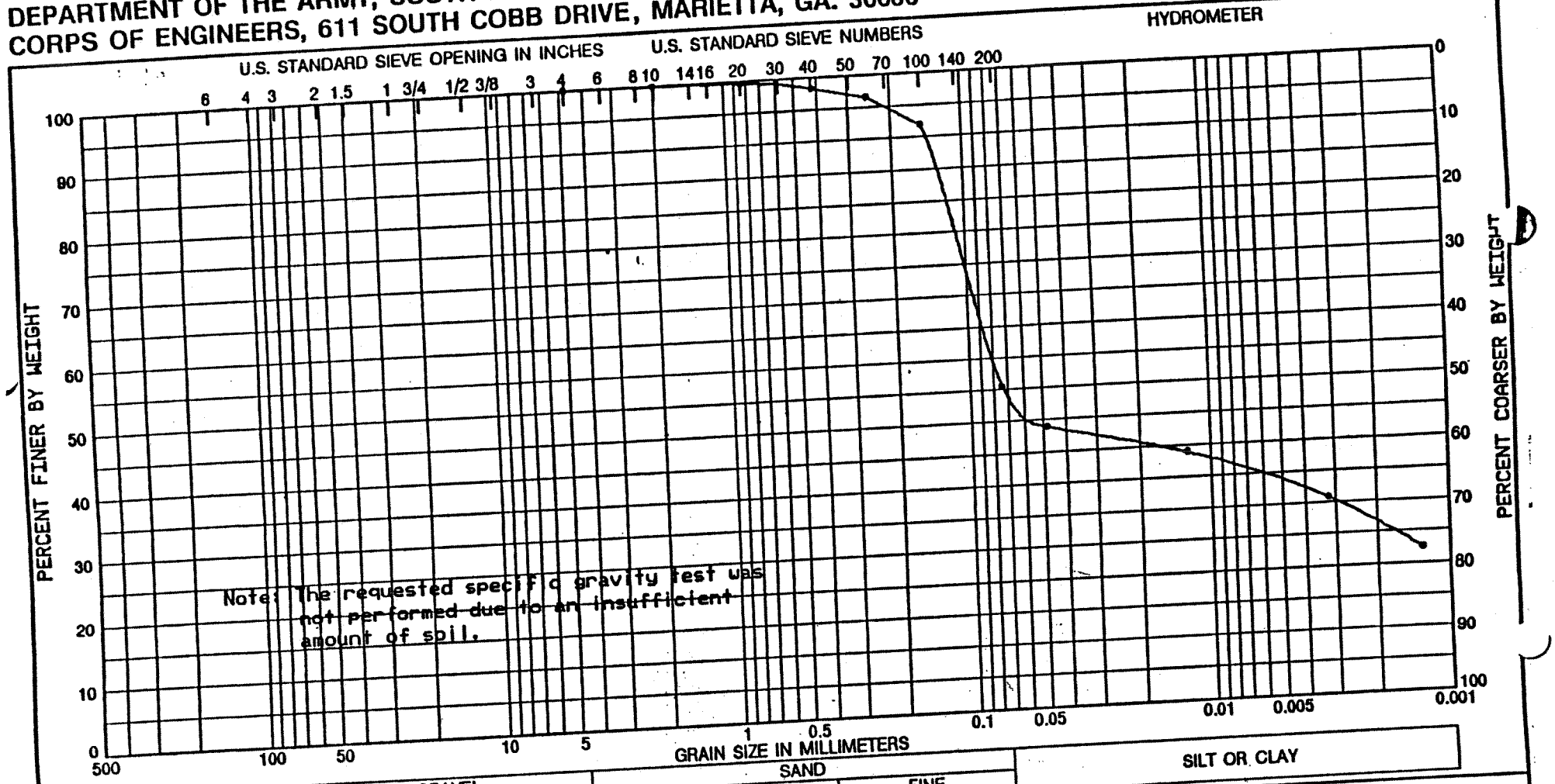
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	37.7-44.0'	Bluish gray fat clay (CH), slightly organic, with a trace of sand and mica. Specific gravity = 2.57	–	183	63	120

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1675
Boring No. SH-186
Date 05/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

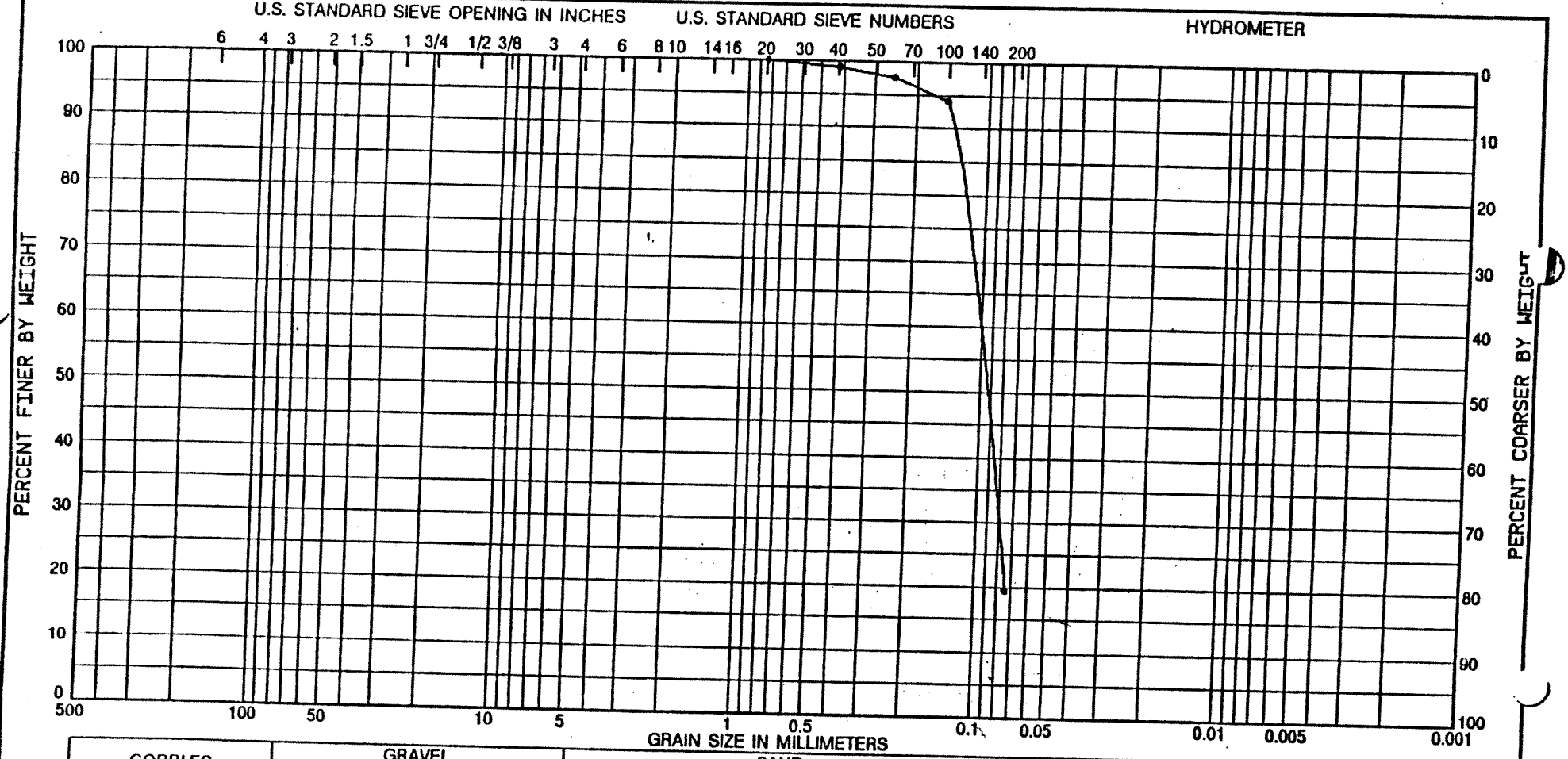
Sample No.	Depth/Elev.	Classification	Nat w%	LL	PL	PI
2	44.0-44.3'	Greenish gray fat clay (CH), sandy, with a trace of mica.	98.3	110	42	68

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1676
Boring No. SH-186
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

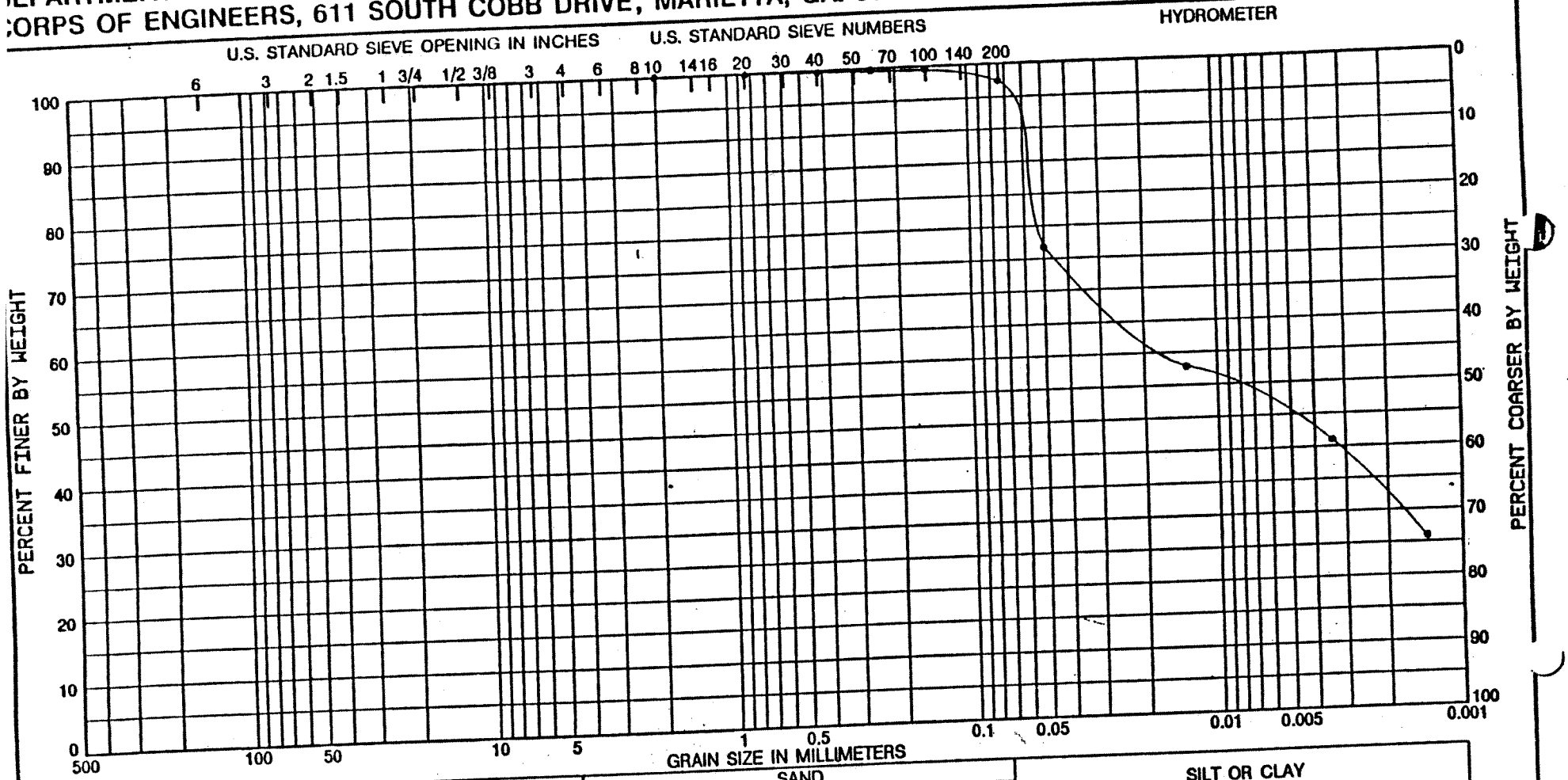
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	41.1-42.1'	Gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.73	–	52	32	20

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1374
Boring No. SH-187
Date 02/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



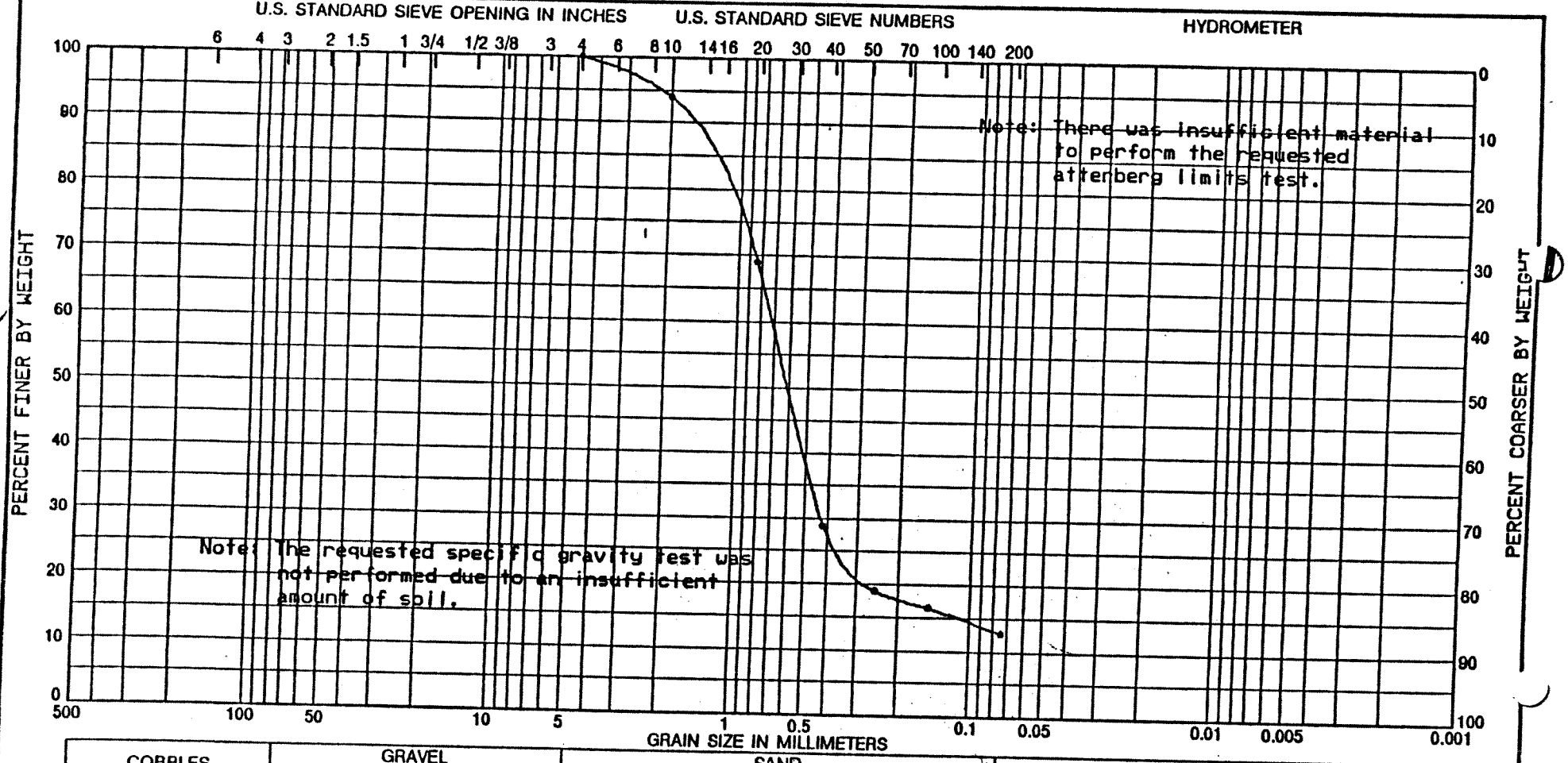
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	48.1-49.6'	Gray inorganic silt high LL (MH), with a trace of sand, mica and rusty metal fragments. Specific gravity = 2.64	98.3	213	94	119

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1376
Boring No. SH-187
Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

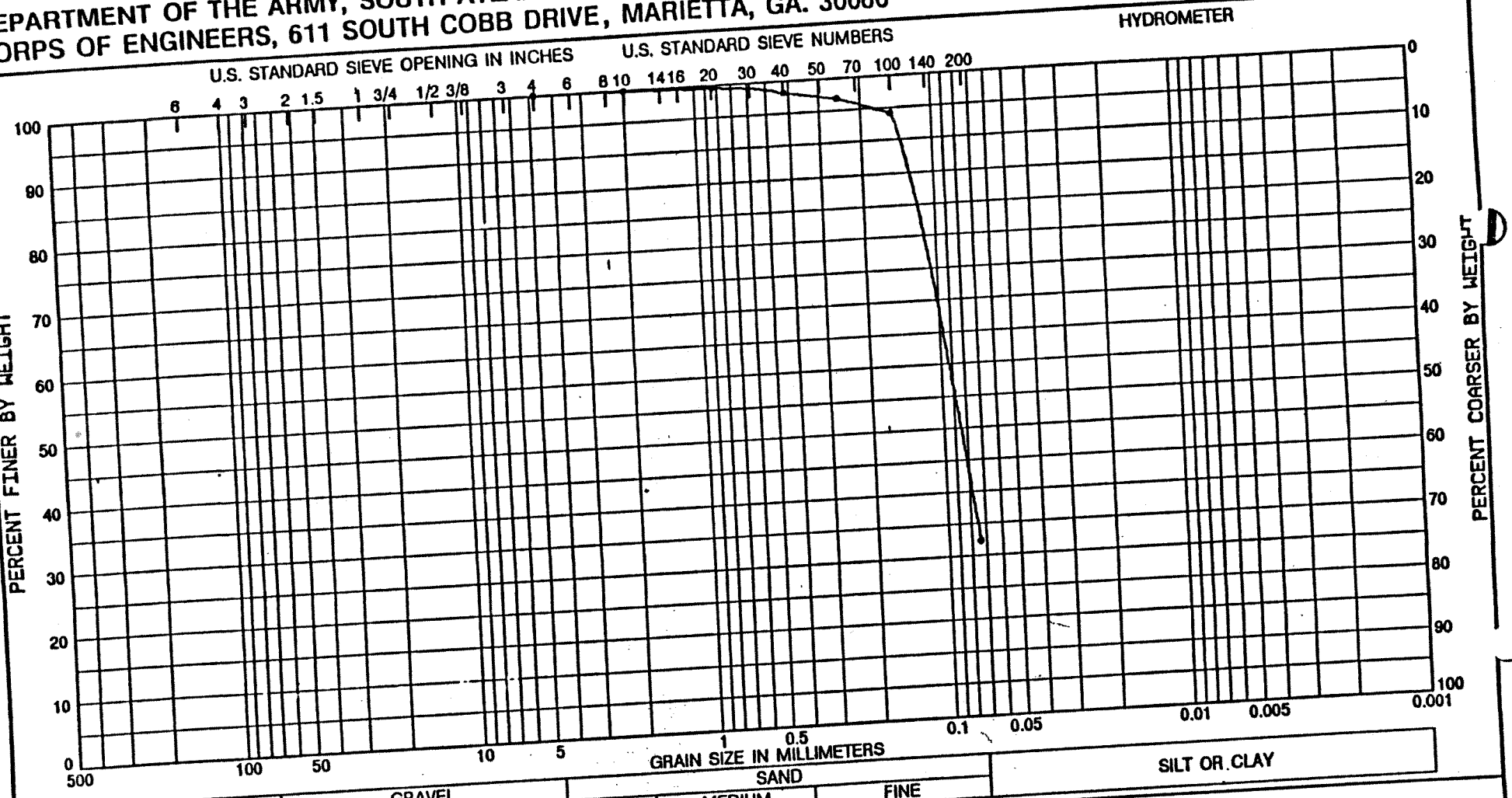
Sample No.	Depth/Elev	Visual Classification	Nat w%	LL	PL	PI
1	41.0-42.2'	Gray silty sand (SM), with a trace of mica and organic matter.	-	-	-	-

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1682
Boring No. SH-188
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



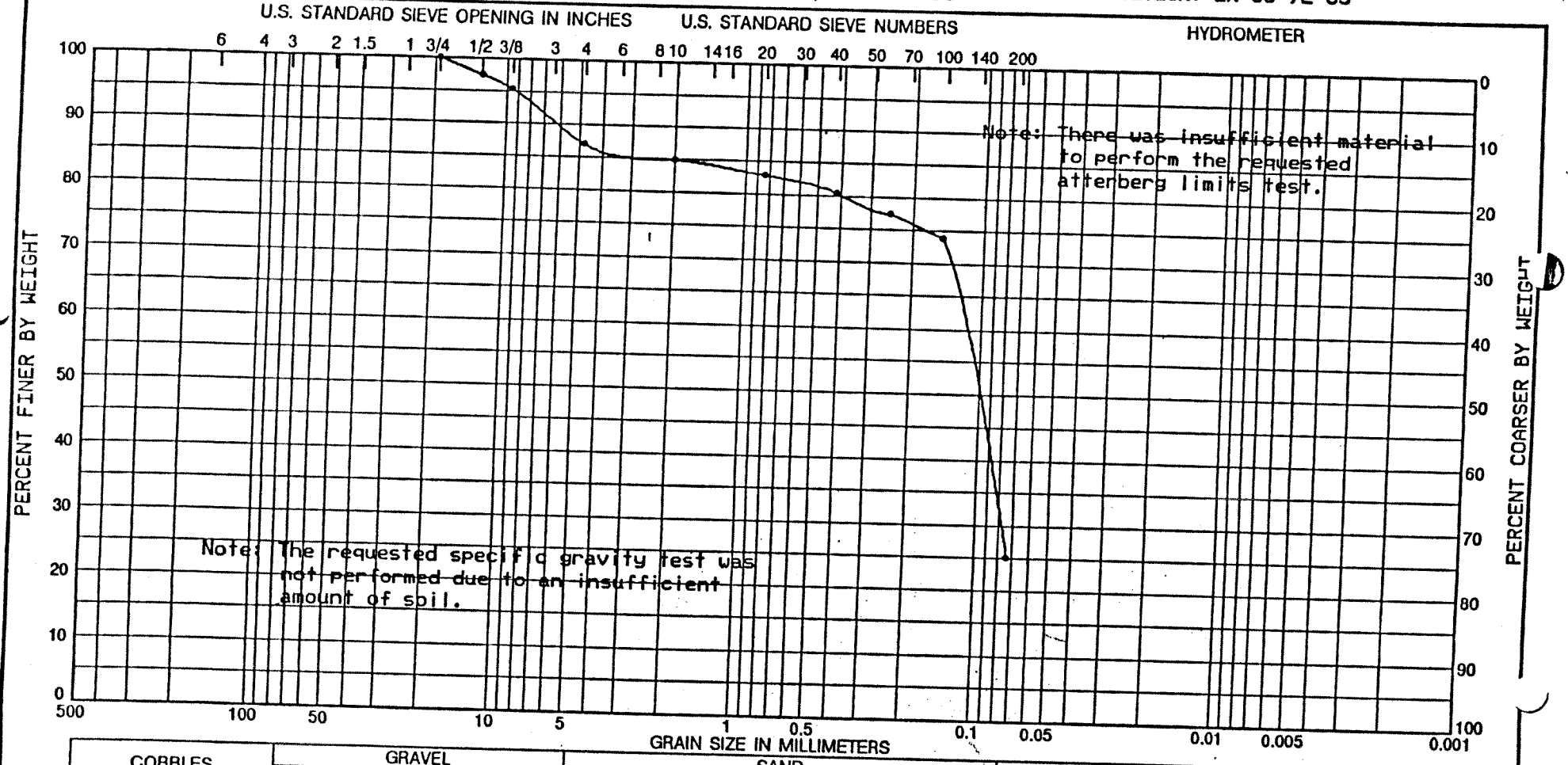
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.3-44.8'	Gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.72	42.3	65	36	29

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1687
Boring No. SH-189
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

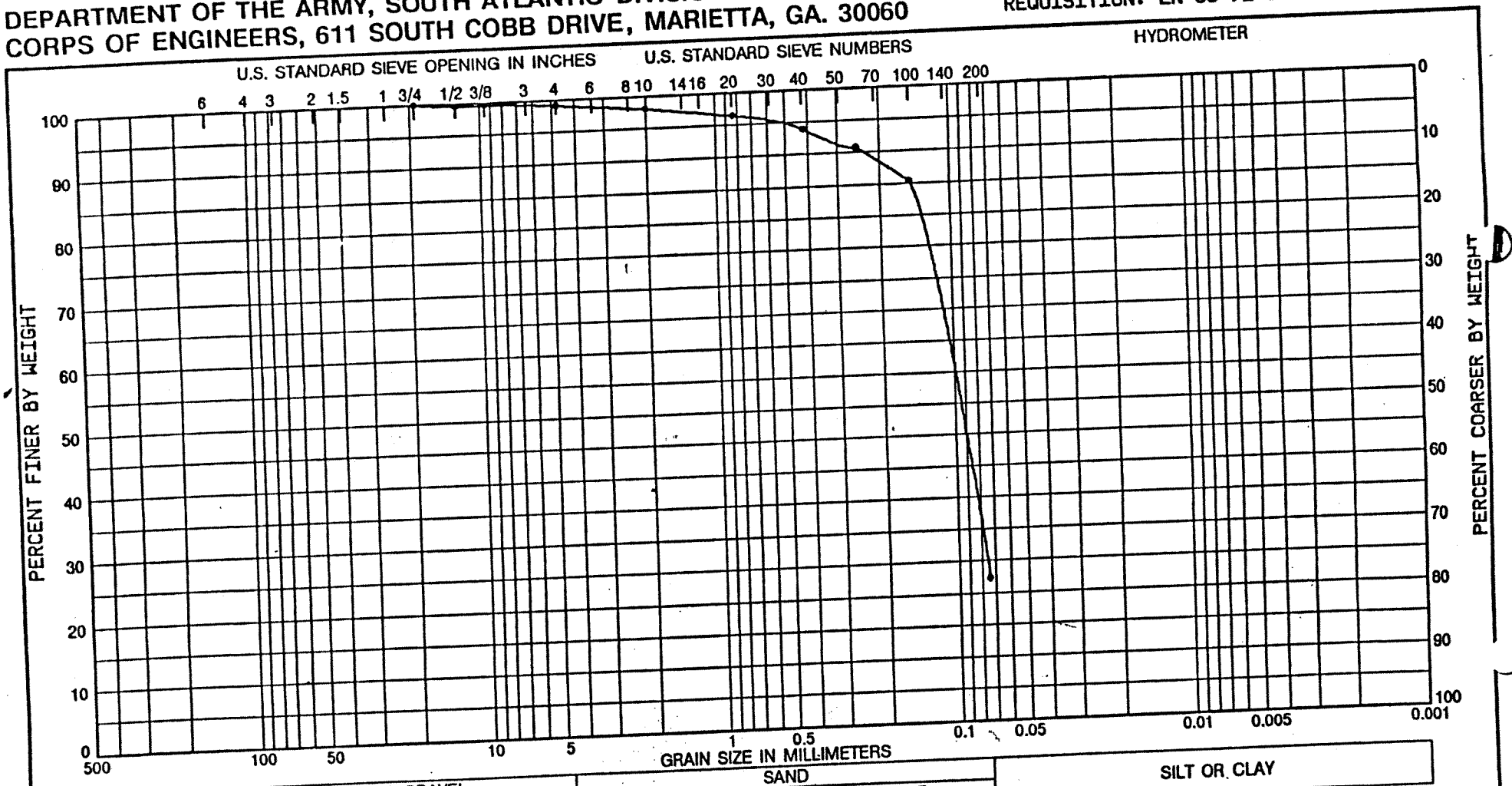
Sample No.	Depth/Elev	Visual Classification	Nat w%	LL	PL	PI
2	42.5-42.8'	Gray silty sand high LL (SM-H), with a trace of gravel & sand size decayed wood fragments and with a trace of mica.	-	-	-	-

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1693
Boring No. SH-190
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	41.6-43.1'	Greenish gray silty sand high LL (SM-H), with a trace of mica, shell and gravel size wood fragments. Specific gravity = 2.73	-	68	36	32

Project Savannah Harbor
Preliminary Borings

Lab No. 97/1698

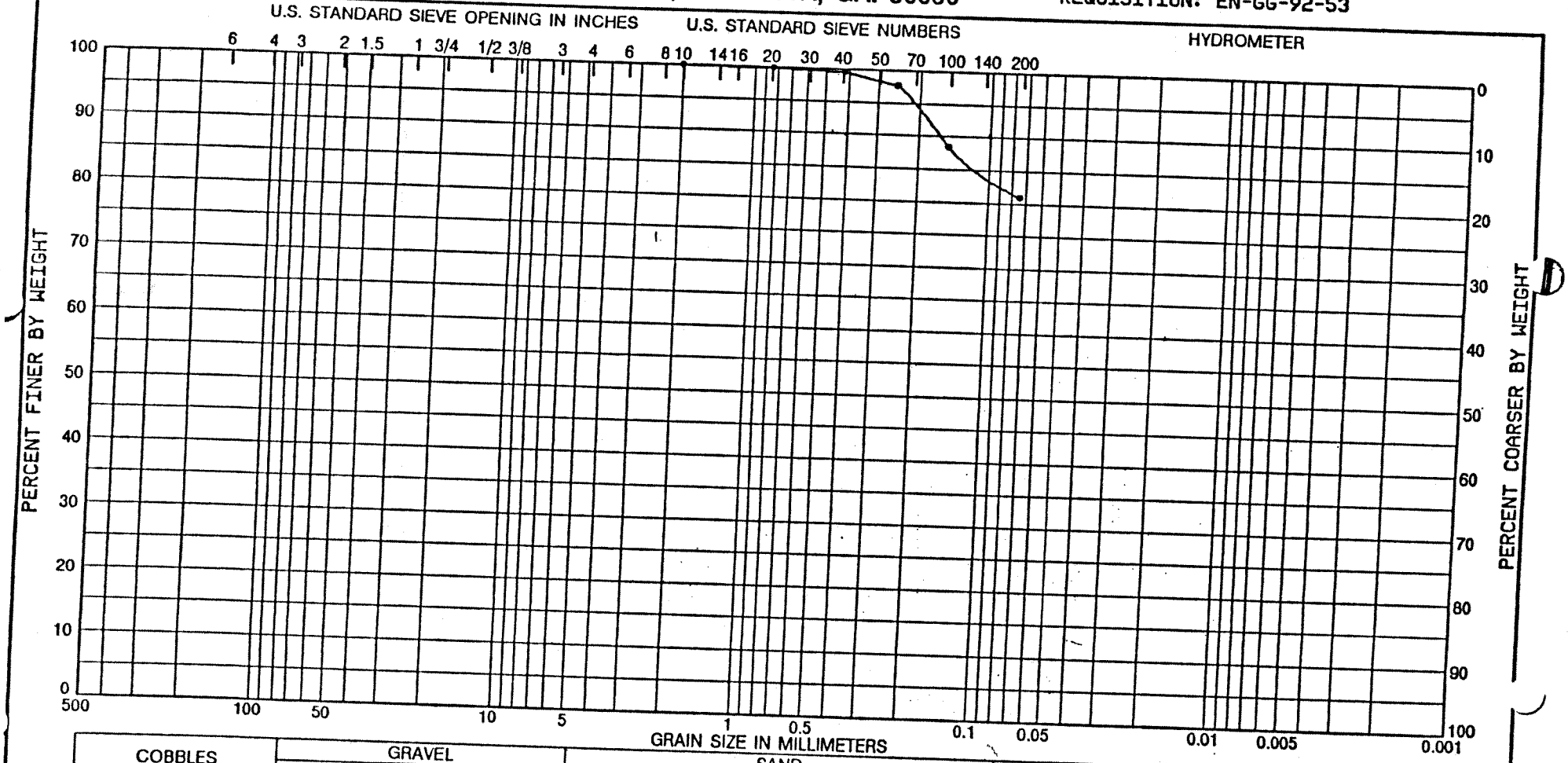
Boring No. SH-191

Date 05/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

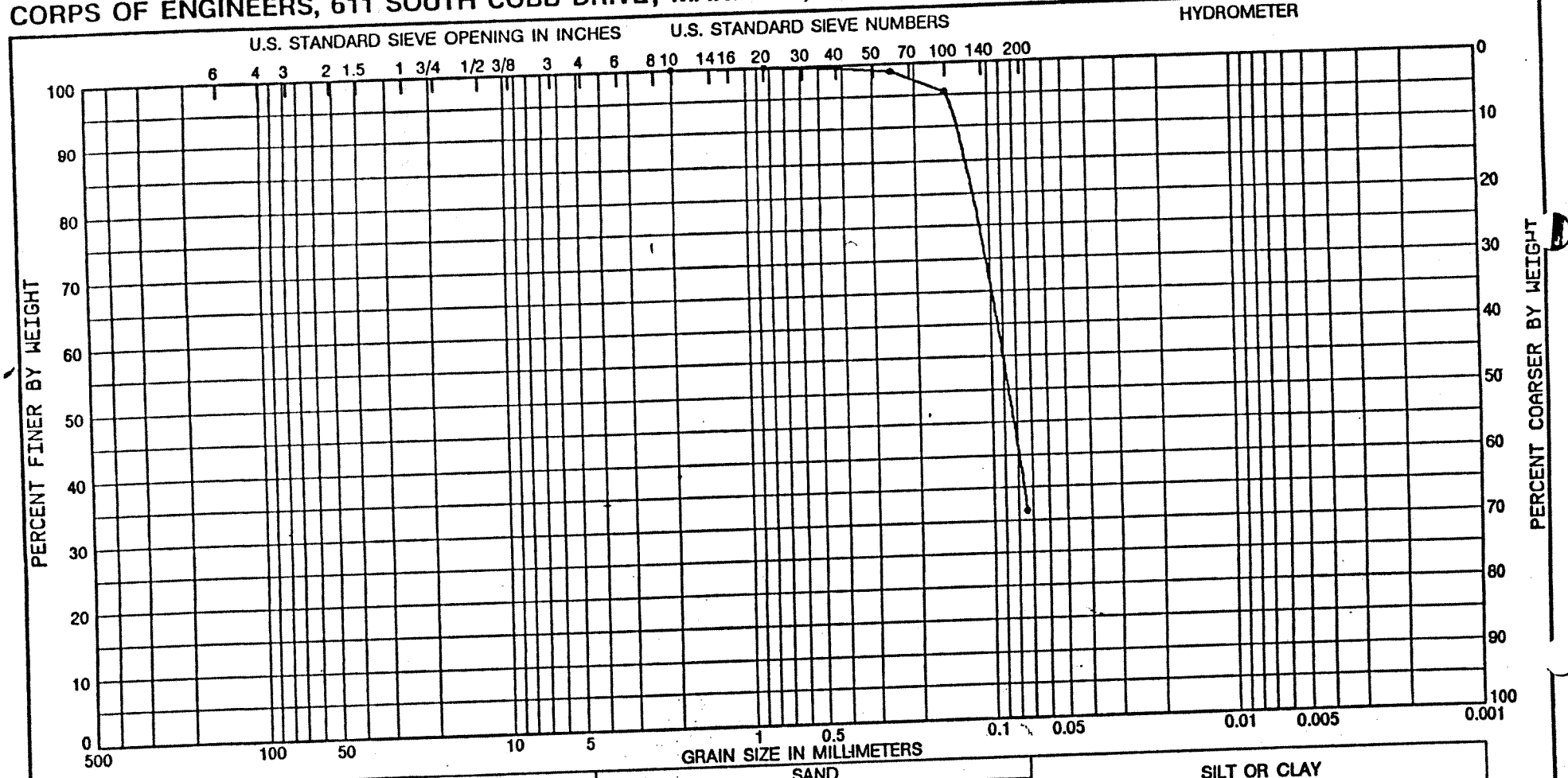
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	47.6-49.1'	Greenish gray inorganic silt high LL (MH), clayey, with a little sand and with a trace of mica. Specific gravity = 2.84	128.7	202	82	120

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1700
Boring No. SH-191
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

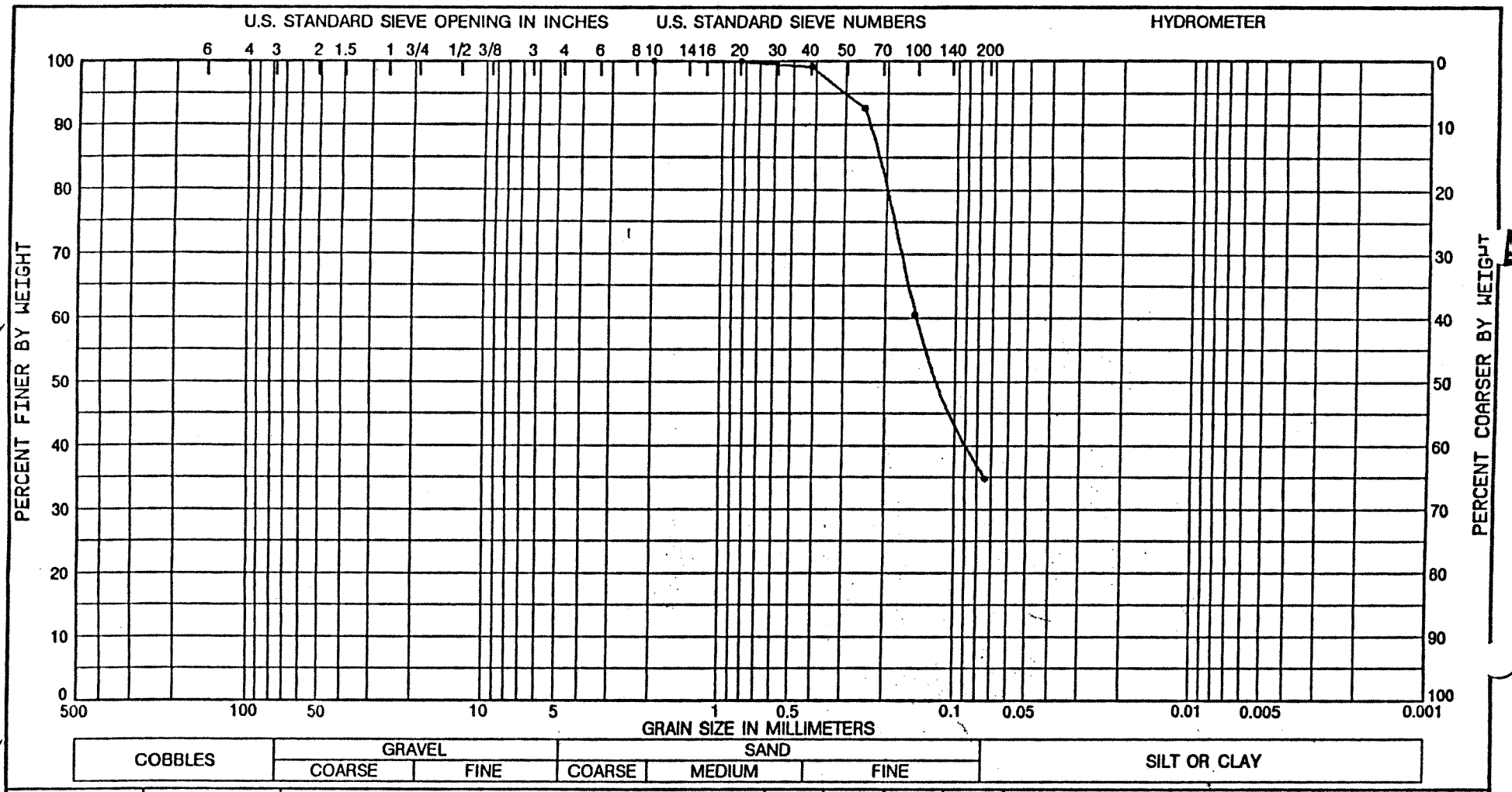
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.9-45.4'	Gray silty sand high LL (SM-H), with a trace of organic matter and mica. Specific gravity = 2.72	-	72	39	33

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1705
Boring No. SH-192
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



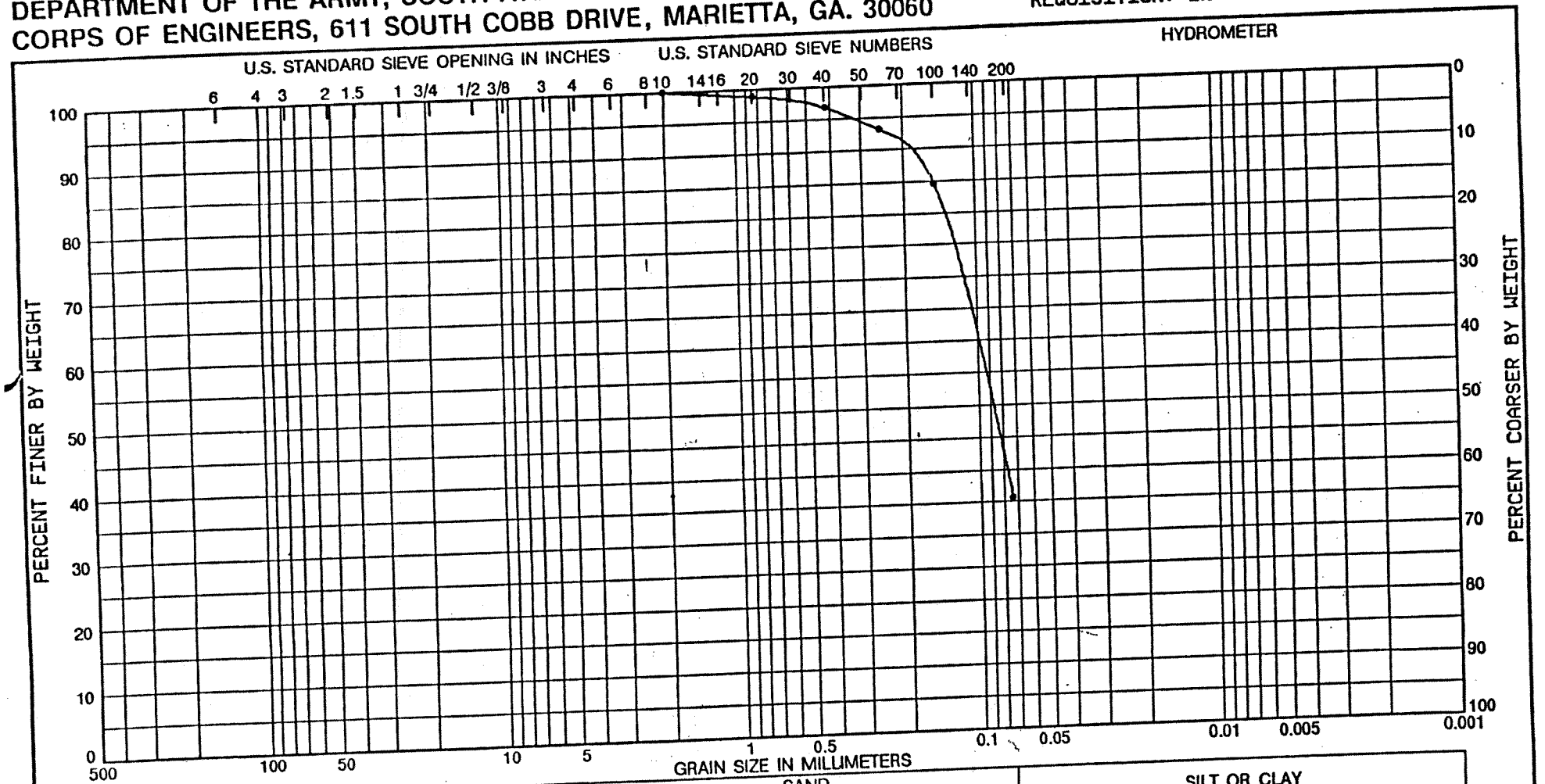
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	52.9-54.4'	Gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.70	–	75	36	39

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1707
Boring No. SH-192
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



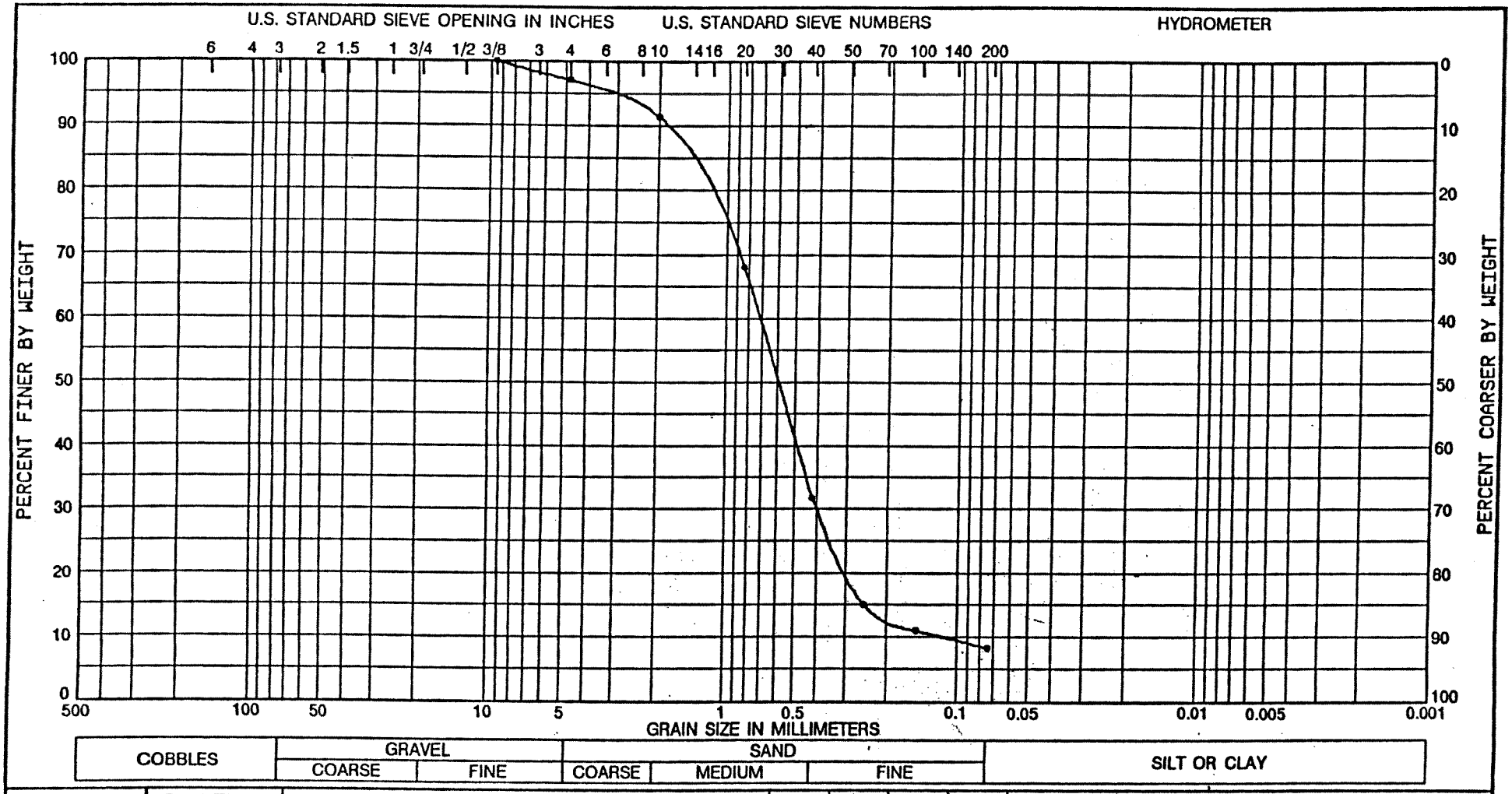
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	48.4-49.9'	Brown silty sand high LL (SM-H), with a trace of roots, mica and organic matter. Specific gravity = 2.74	--	75	37	38

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1530
Boring No. SH-195
Date 04/28/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



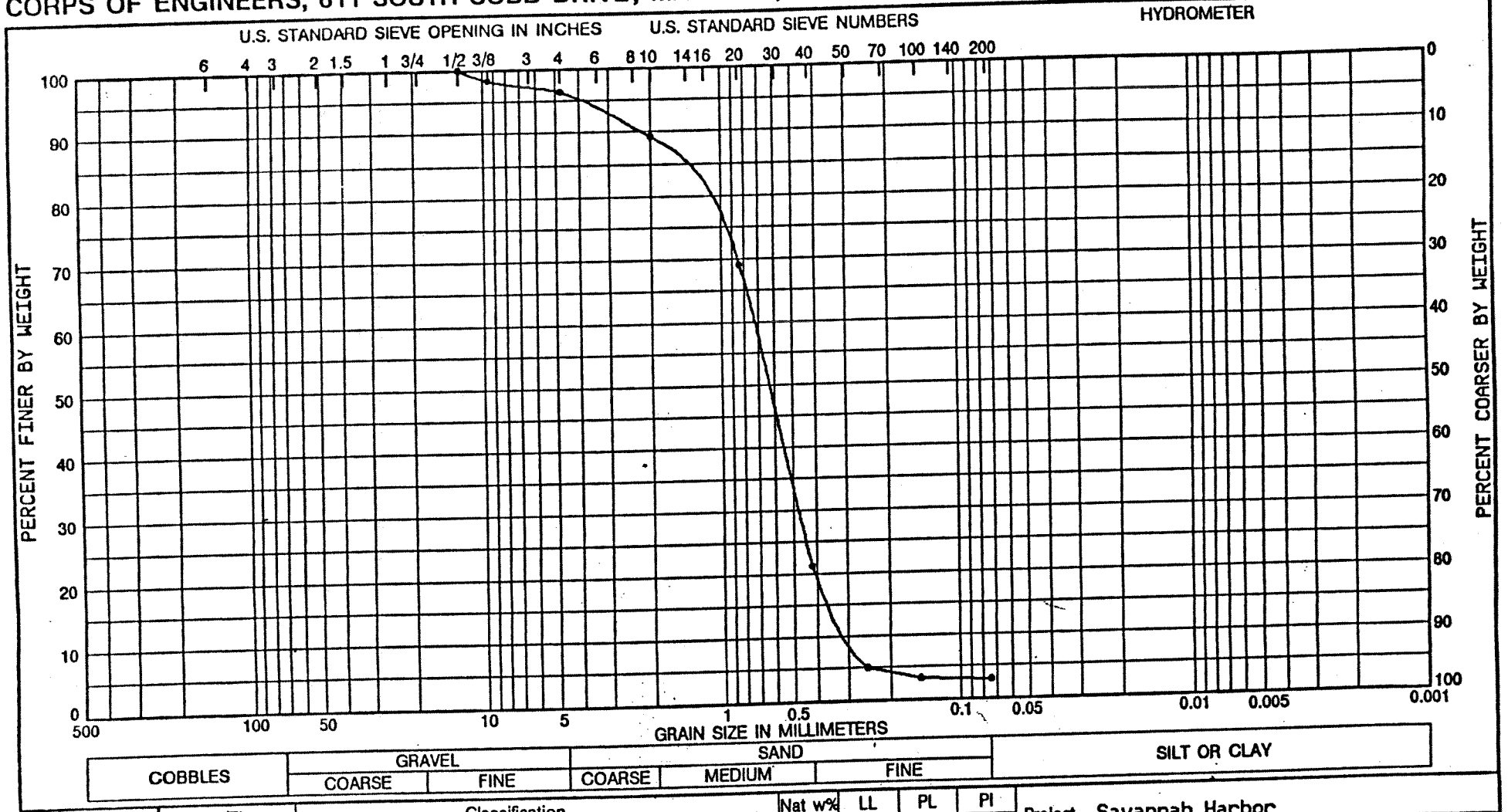
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	39.0-42.0'	Dk. gray poorly graded silty, clayey sand (SP-SM-SC), with a trace of gravel size weathered rock fragments and with a trace of mica and roots. Specific gravity = 2.68	-	47	23	24

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1814
Boring No. SH-197
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	43.5-45.0'	Tannish gray poorly graded sand (SP), with a trace of gravel size weathered rock fragments and with decayed wood fragments. Specific gravity = 2.67	–	NP	NP	NP

Project Savannah Harbor
Preliminary Borings

Lab No. 97/1820

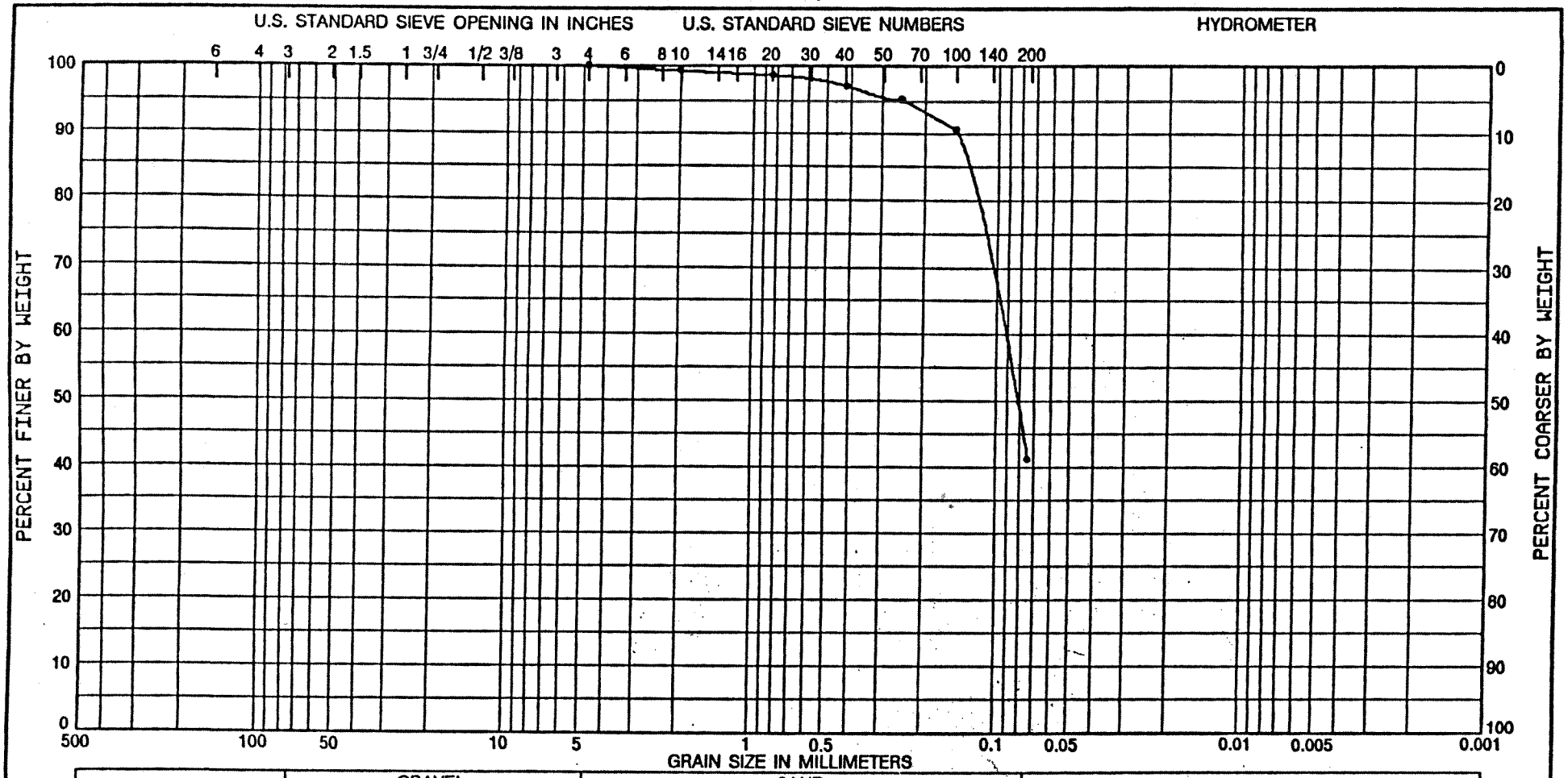
Boring No. SH-199

Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

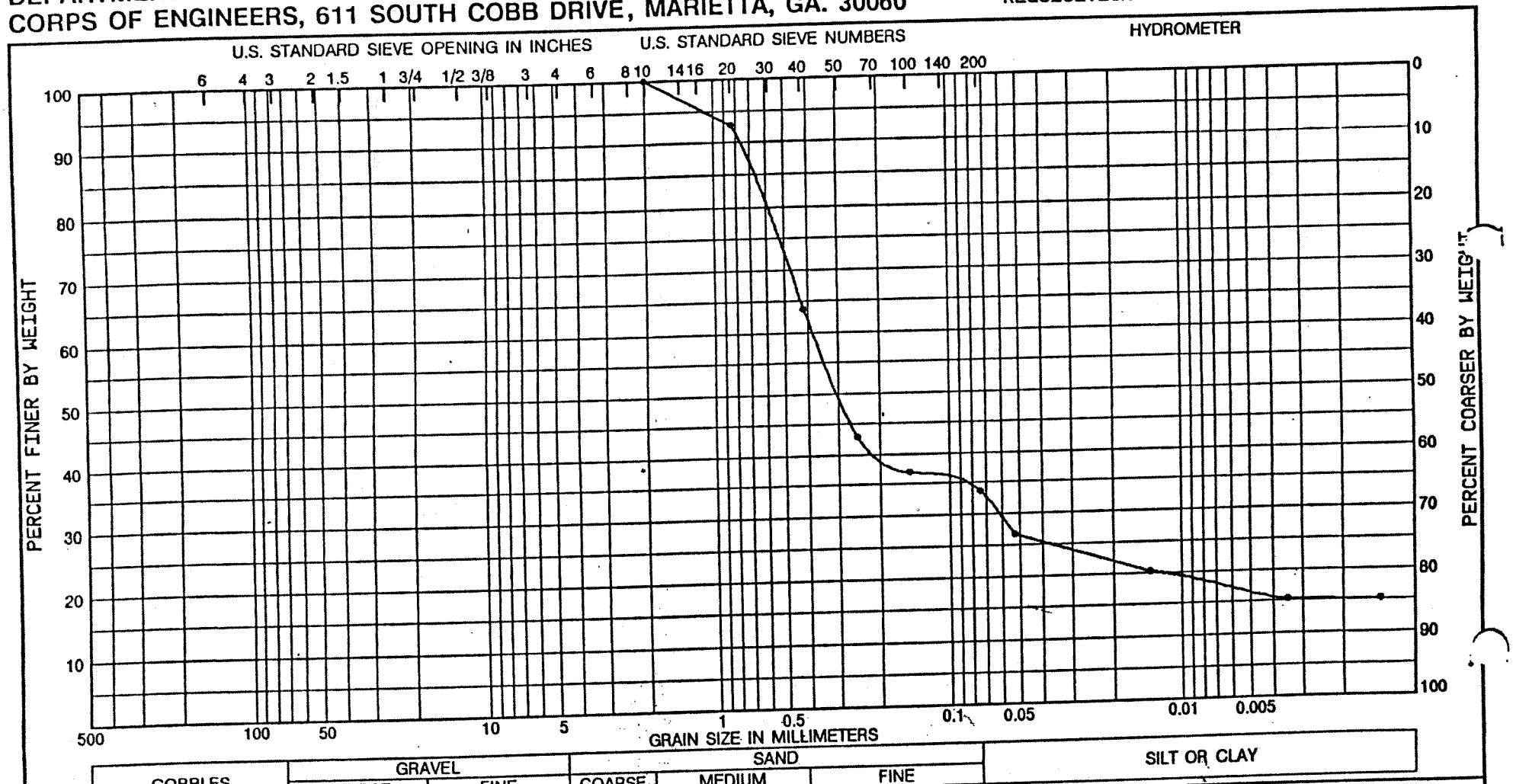
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	49.5-51.0'	Greenish gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.72	57.1	98	52	46

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1822
Boring No. SH-199
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



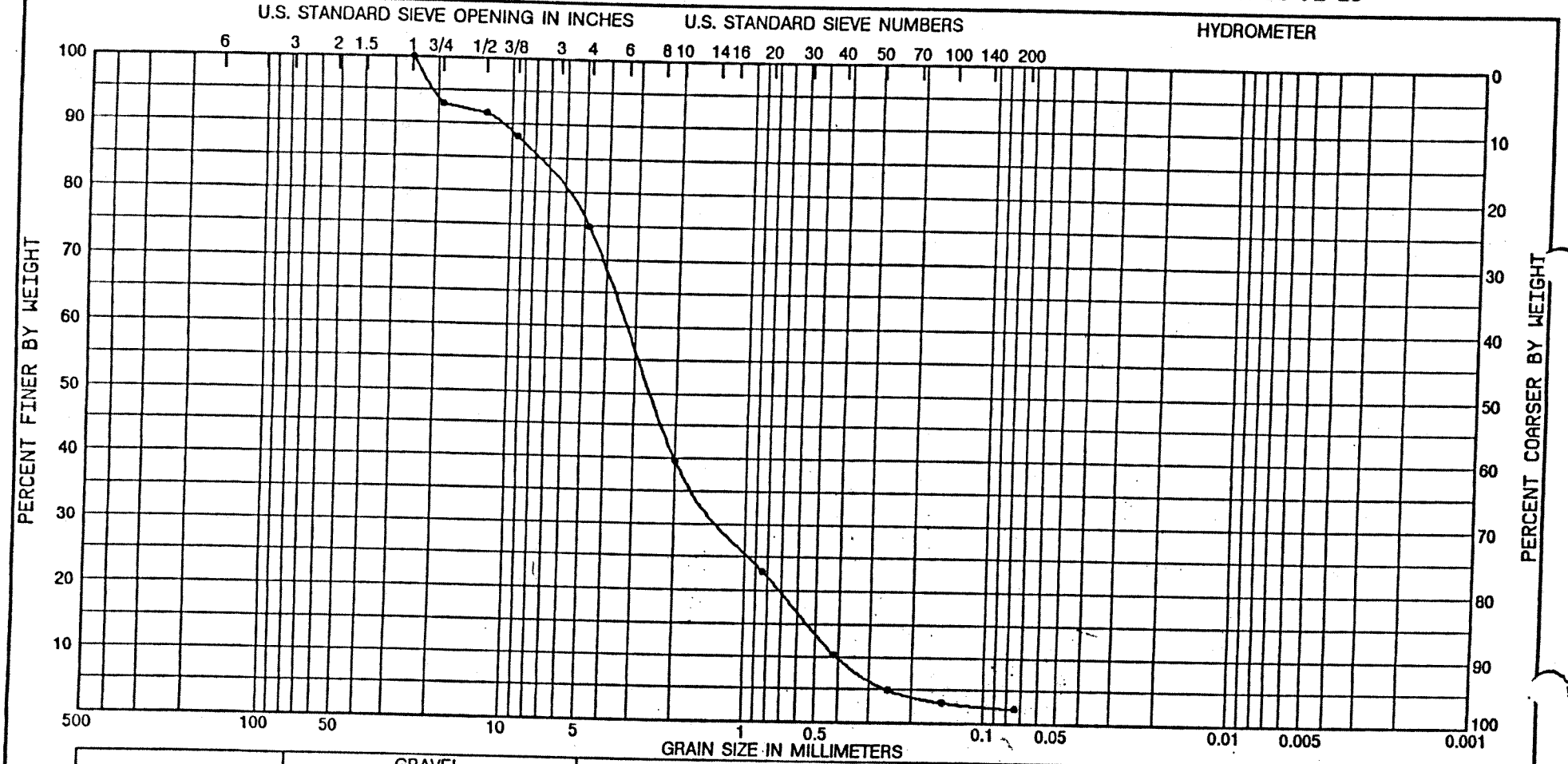
Sample No.	Depth/Elev	Visual Classification	Nat w%	LL	PL	PI
1	38.9-40.7'	Gray clayey sand (SC), with a trace of roots and mica. Specific gravity = 2.65	-	-	-	-

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1380
Boring No. SH-200
Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

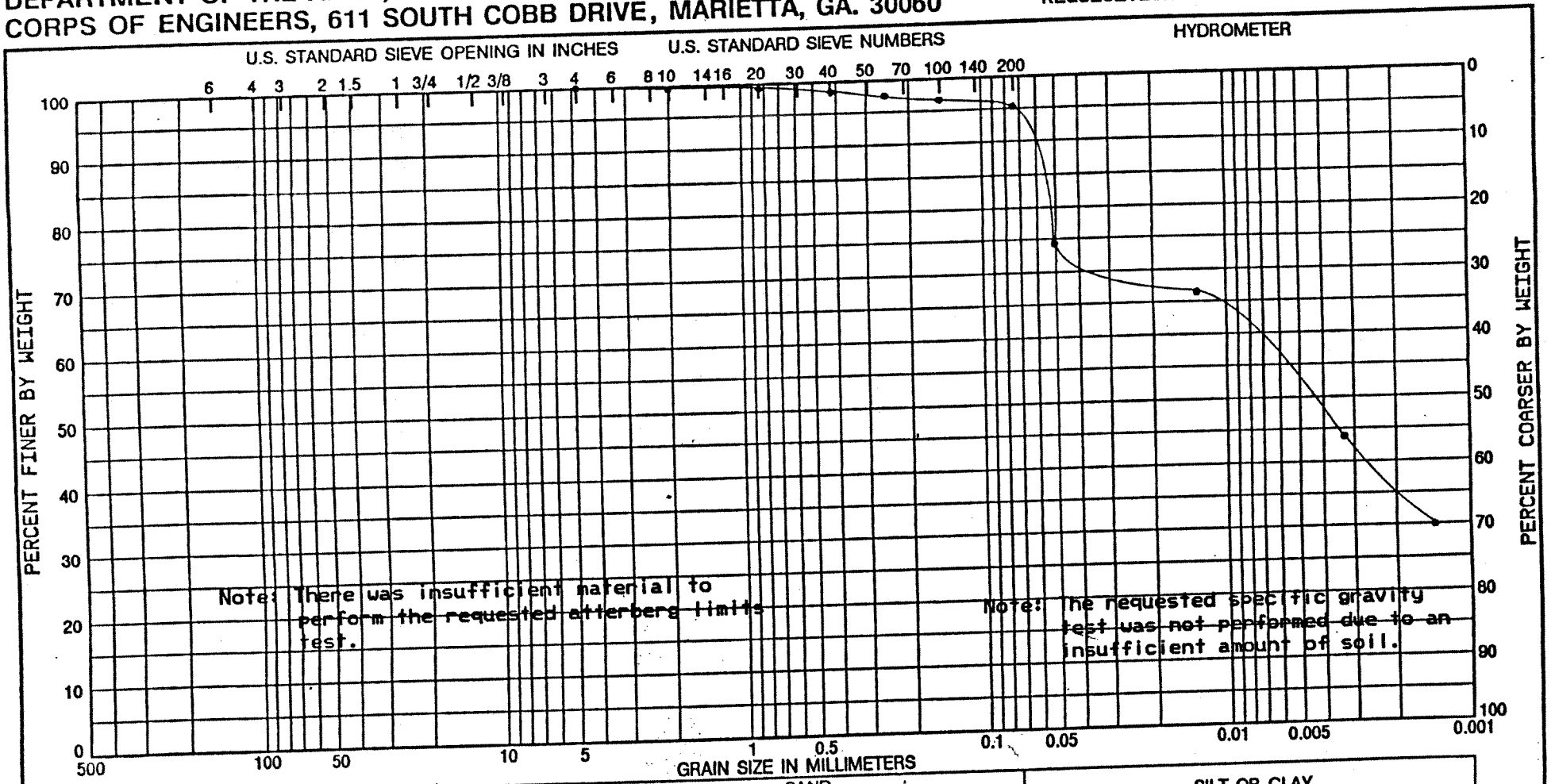
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	45.2-46.7'	Tannish gray well graded sand (SW), with some gravel size weathered rock fragments and with a trace of mica. Specific gravity = 2.67	–	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1383
Boring No. SH-200
Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

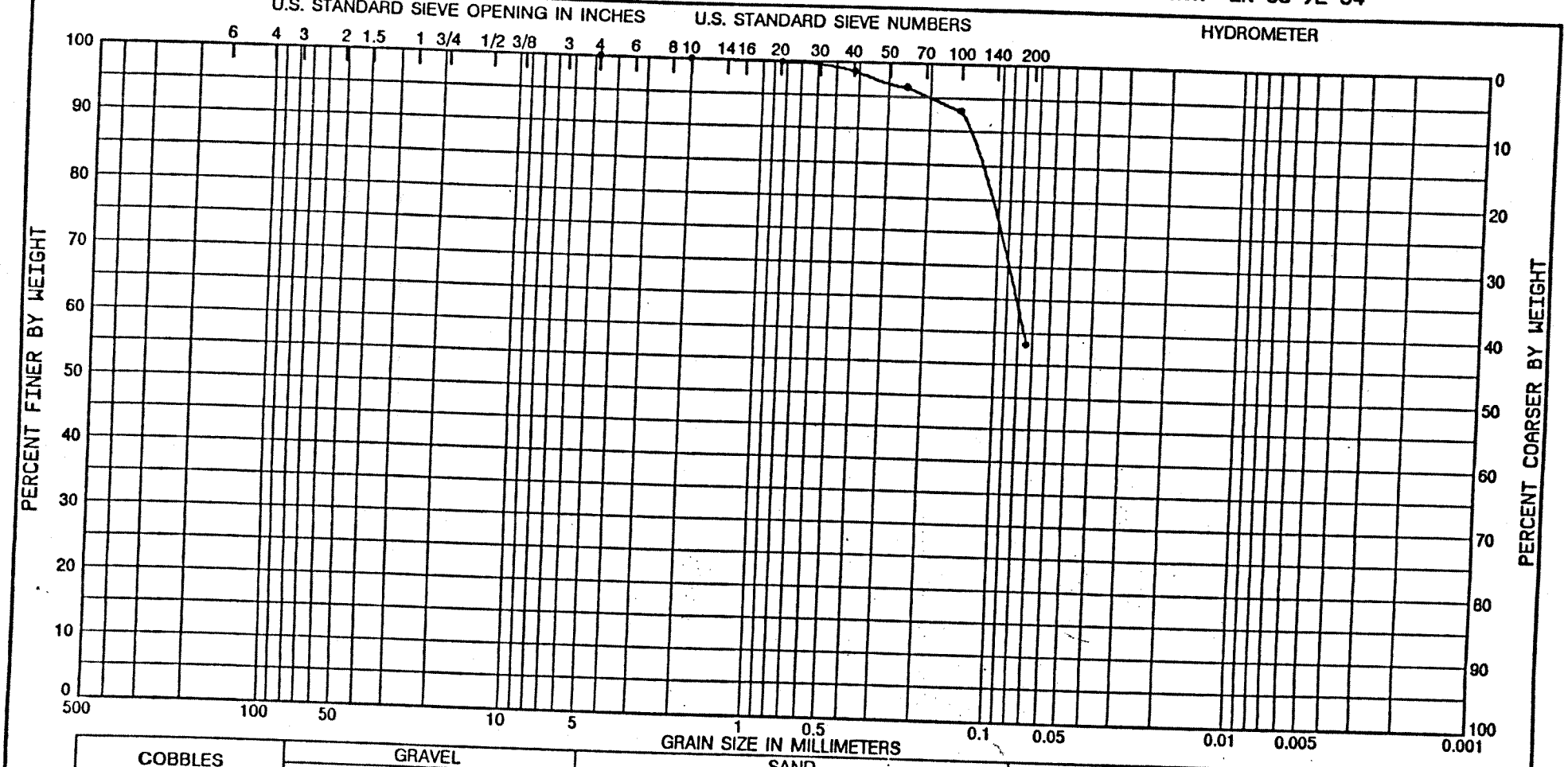
Sample No.	Depth/Elev	Visual Classification	Nat w%	LL	PL	PI
1	42.4-43.3'	Dk. gray inorganic silt high LL (MH), with a trace of sand.	-	-	-	-

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1826
Boring No. SH-203
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

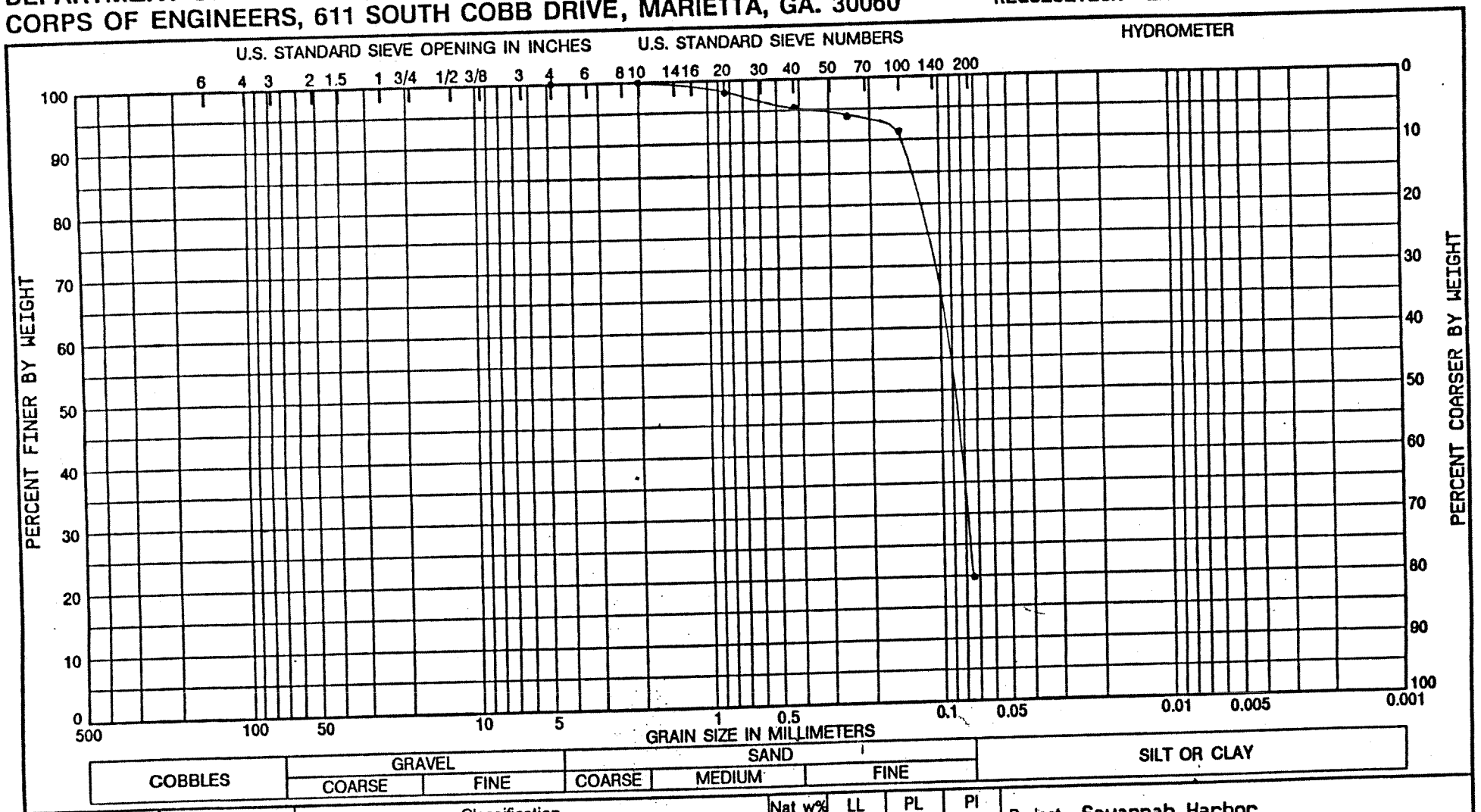
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	45.4-46.9'	Tannish gray inorganic silt high LL (MH), sandy, clayey, with a trace of mica. Specific gravity = 2.70	44.9	61	32	29

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1828
Boring No. SH-203
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



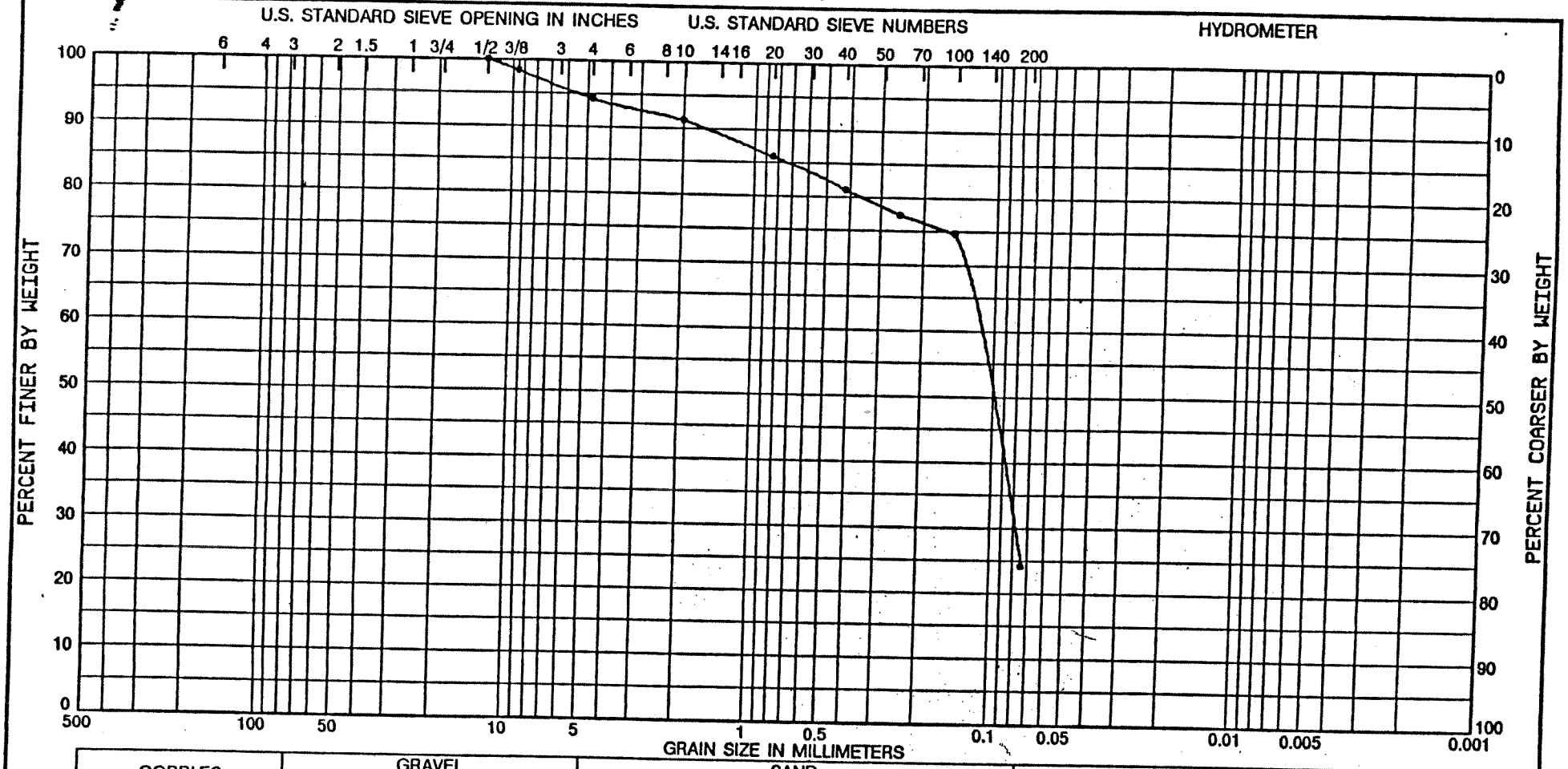
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.8-45.3'	Greenish gray silty sand high LL (SM-H).	47.0	64	36	28
		Specific gravity = 2.69				

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1834
Boring No. SH-204
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

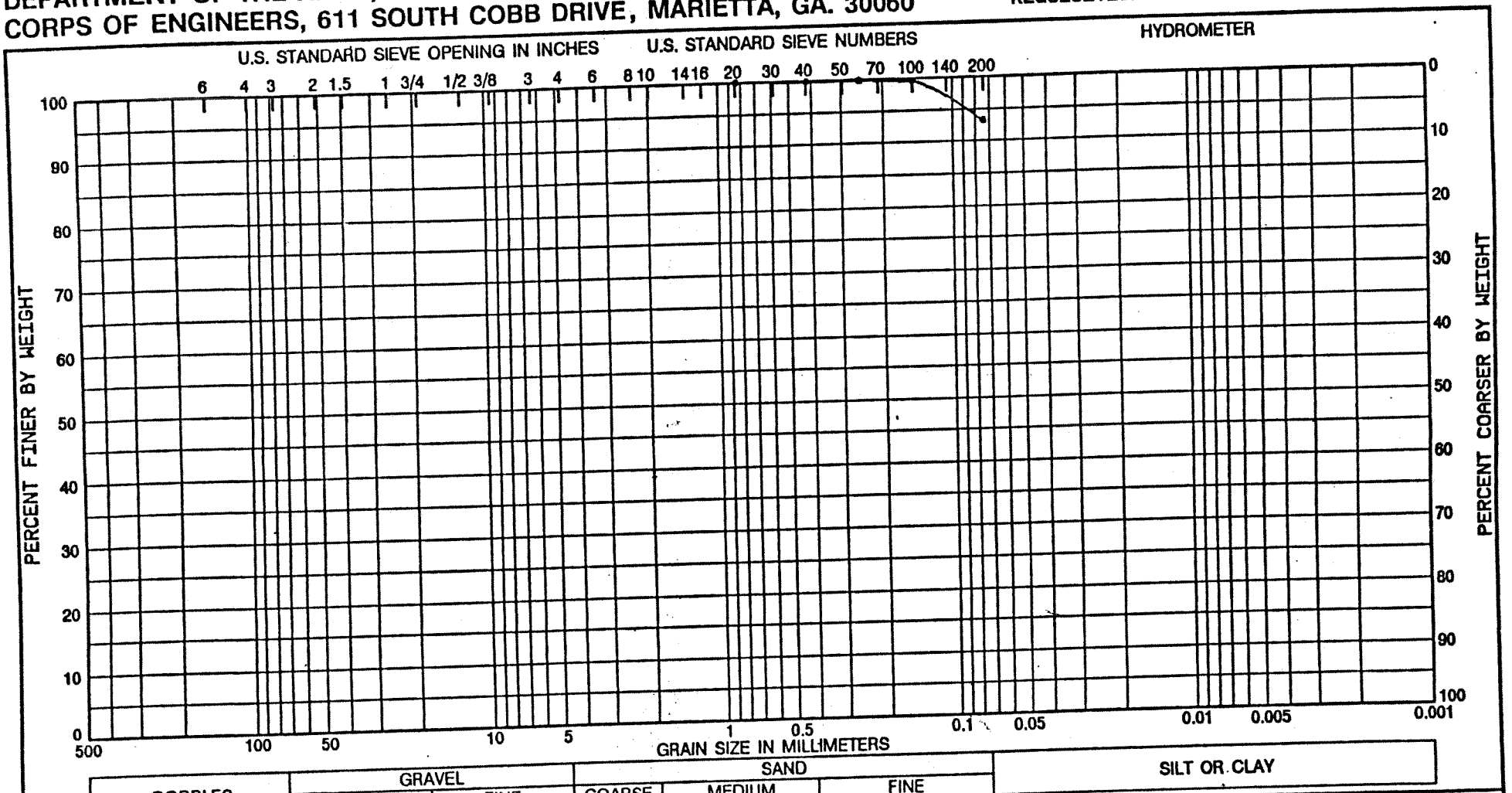
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	40.8-42.3'	Greenish gray silty sand, high LL (SM-H), with a trace of gravel size weathered rock fragments and a trace of mica.	--	69	38	31

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1938
Boring No. SH205
Date 06/16/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

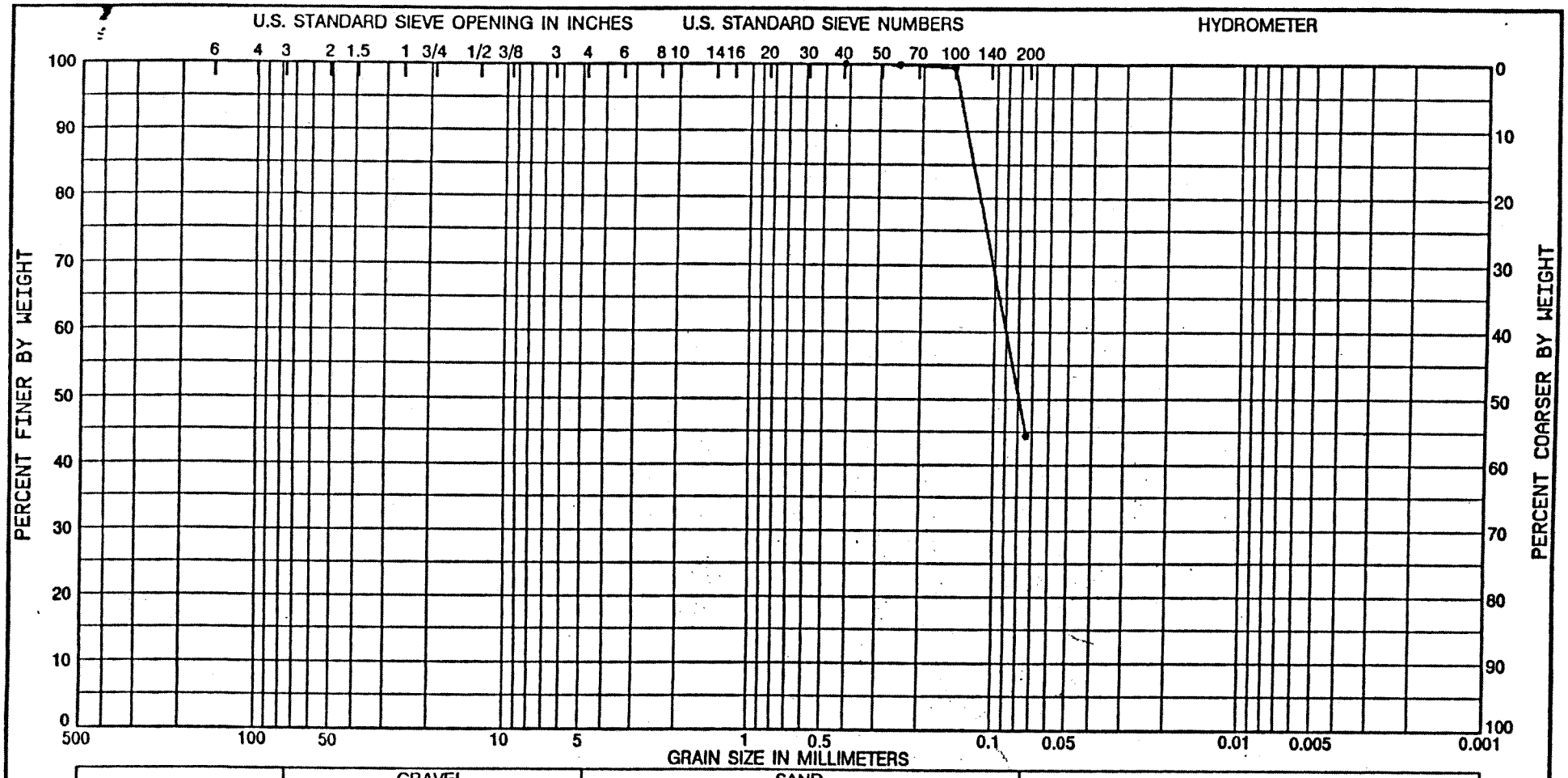
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	54.3-55.8'	Gray inorganic silt, high LL (MH), clayey, with a trace of sand, organic matter and mica.	–	162	83	79

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1941
Boring No. SH205
Date 06/16/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

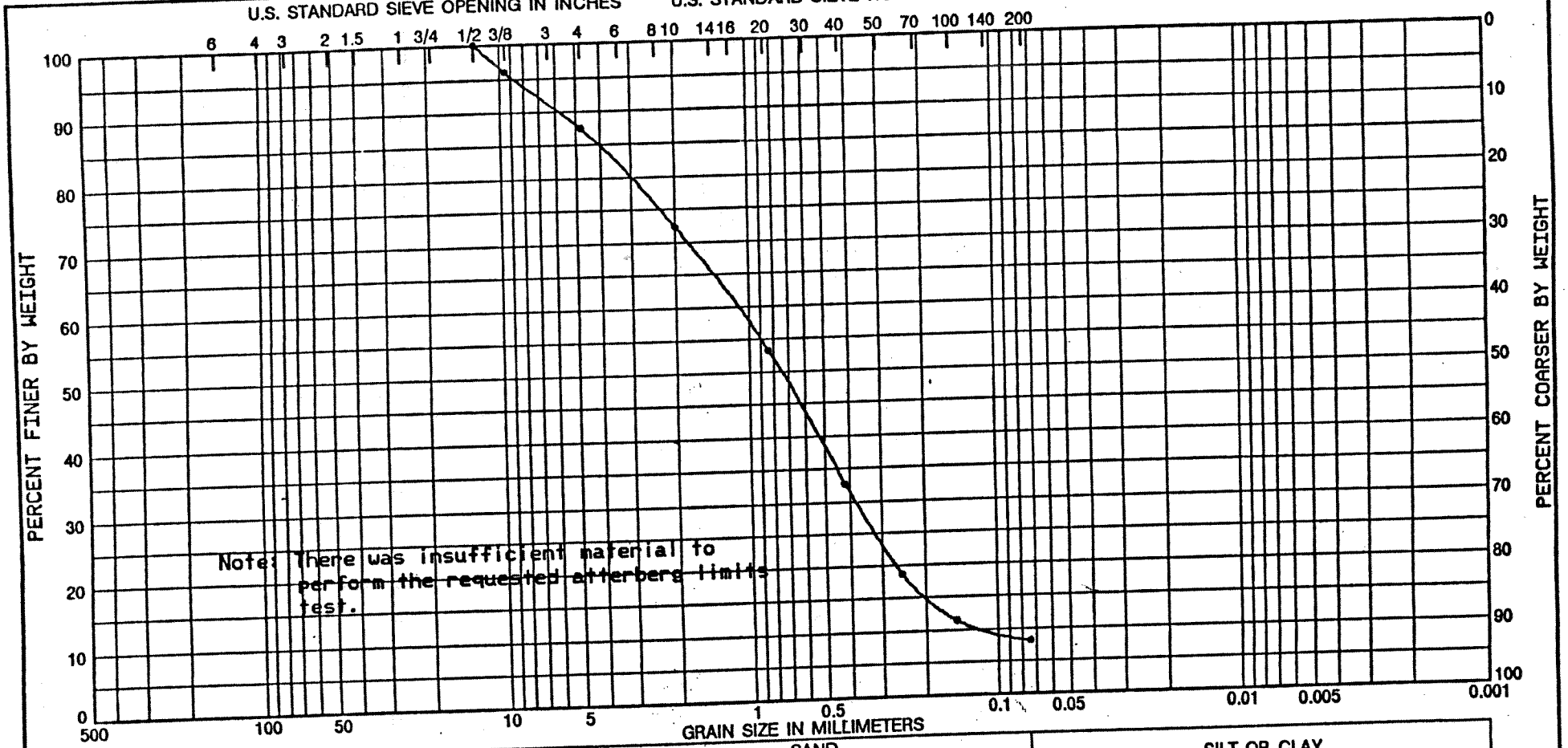
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	40.5-42.0'	Greenish gray silty sand, high LL (SM-H) with a trace of mica.	-	67	35	32

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1943
Boring No. SH206
Date 06/16/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

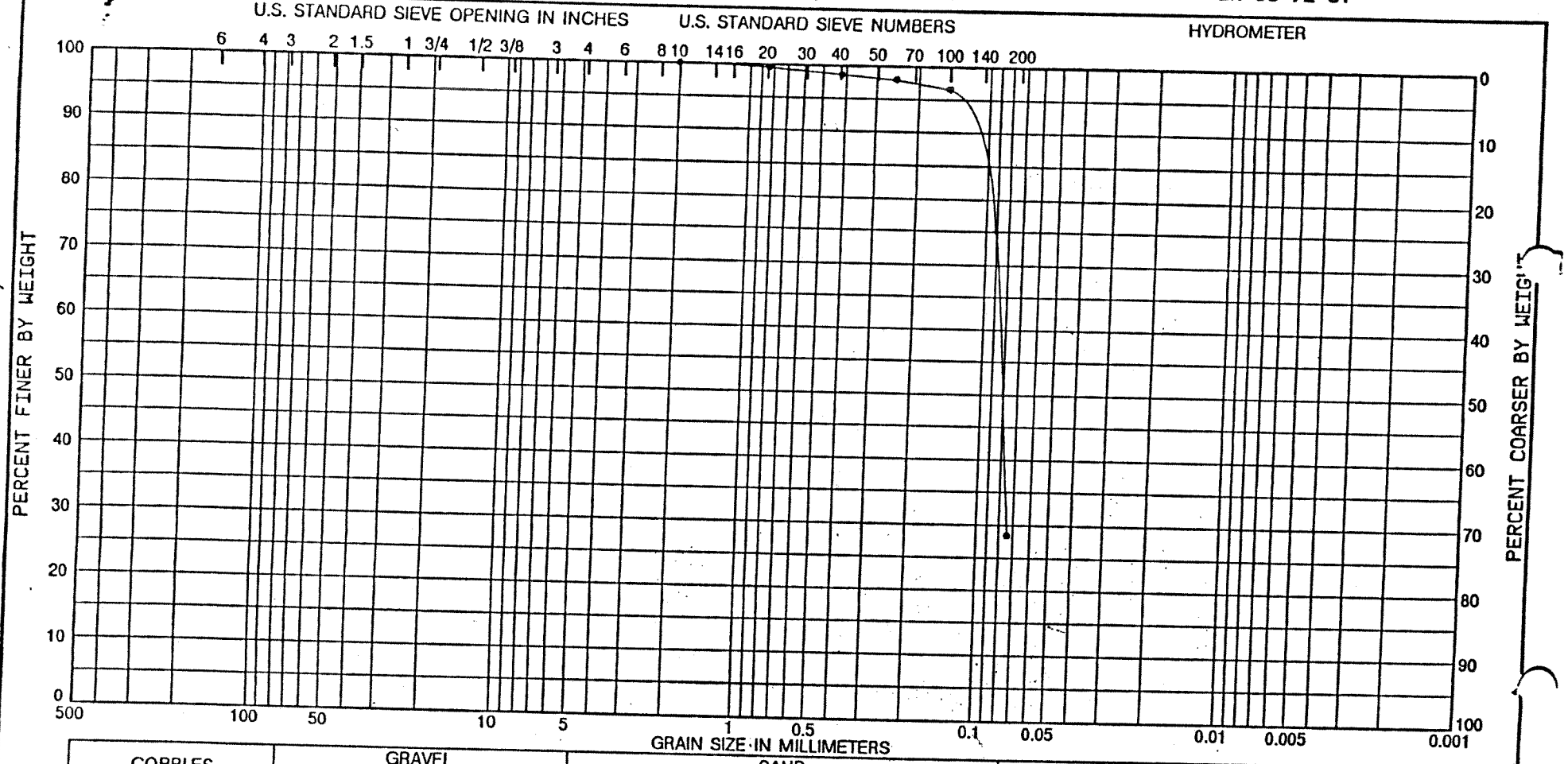
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	48.0-48.9'	Tan poorly graded silty sand (SP-SM), with a little gravel size weathered rock fragments and with a trace of mica.	21.6	--	--	--

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1945
Boring No. SH206
Date 06/16/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

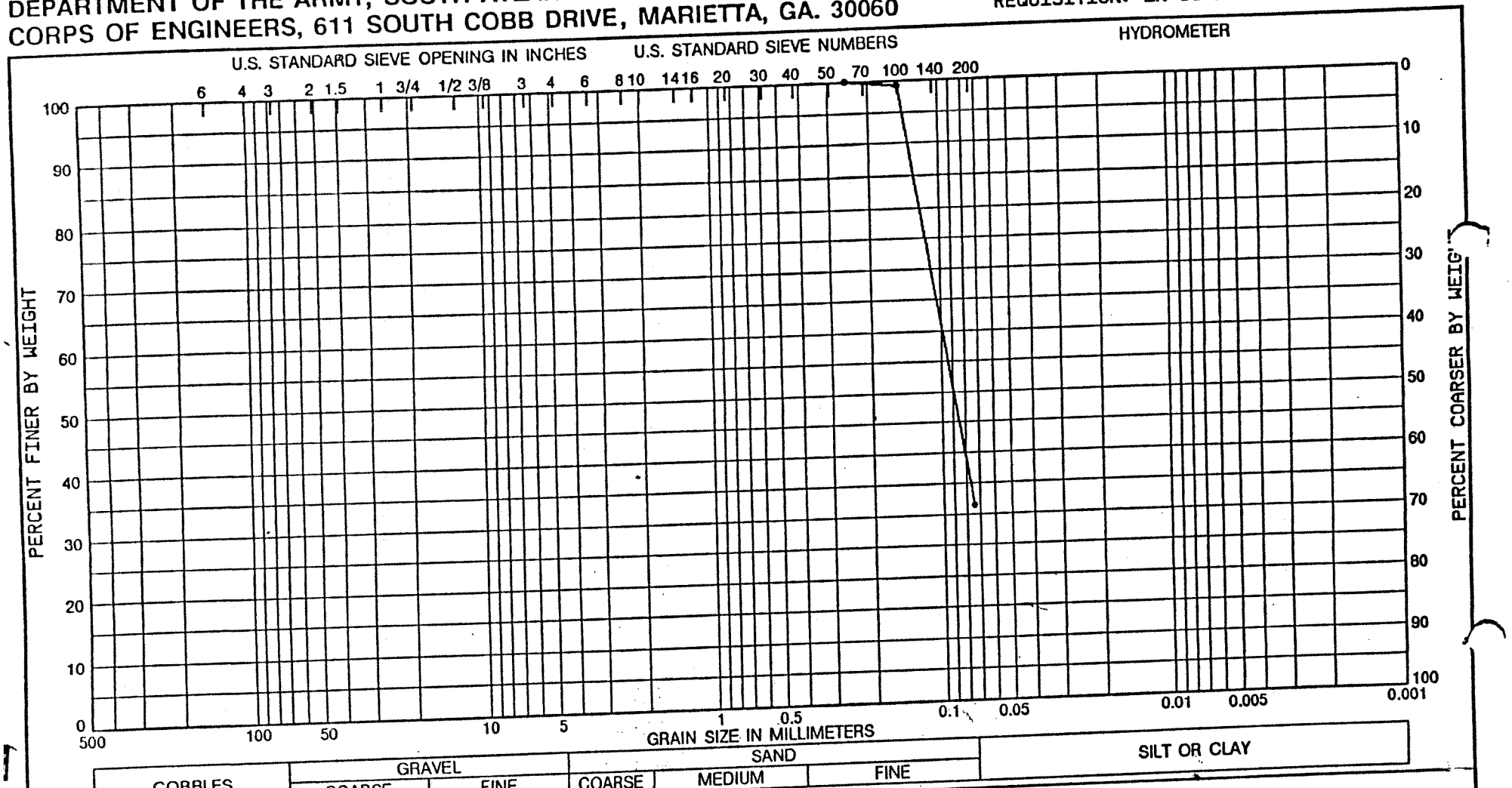
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	45.1-46.6'	Brown silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.72	–	53	33	20

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1534
Boring No. SH-208
Date 04/29/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

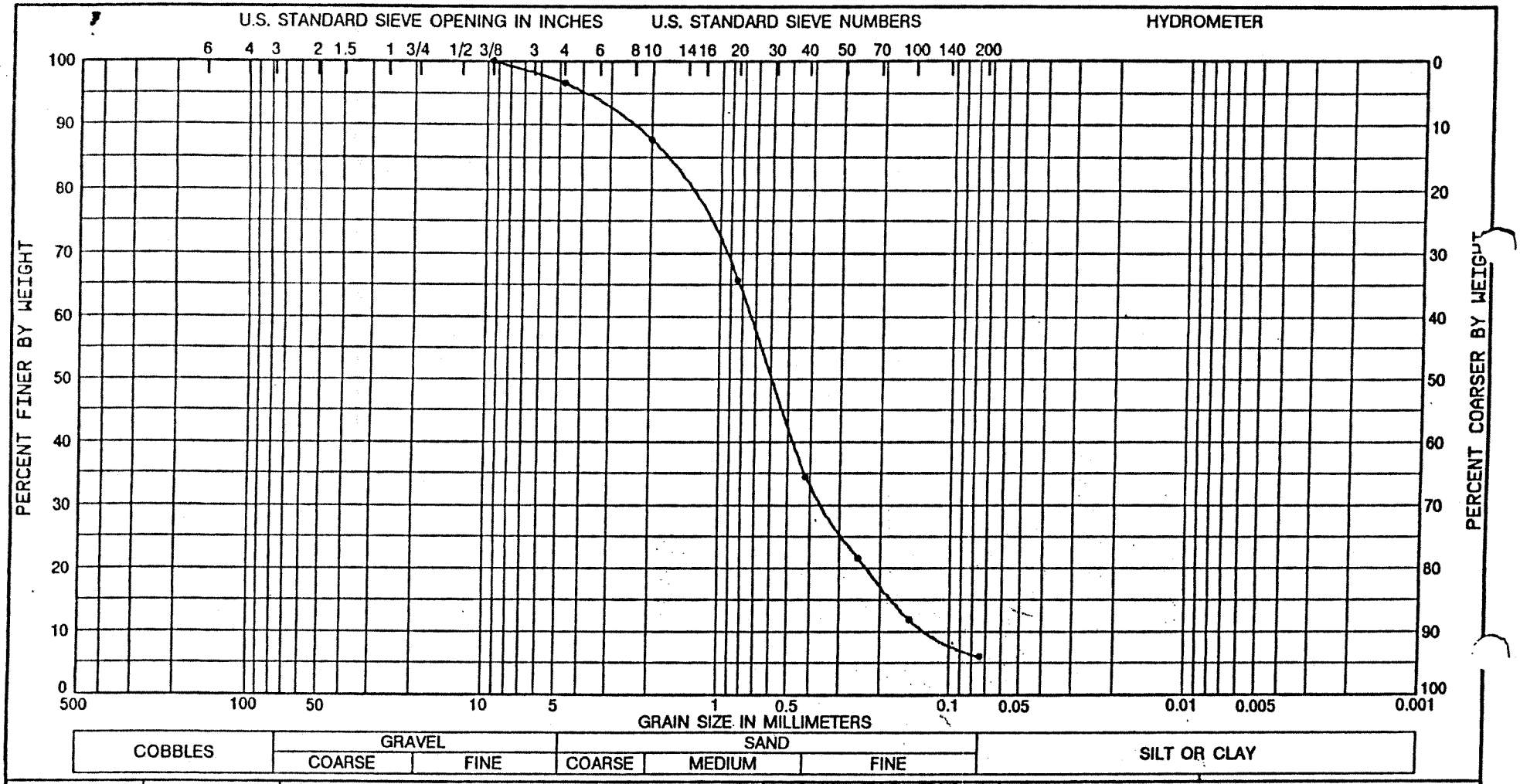
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	49.6-51.1'	Greenish gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.69	–	60	35	25

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1535
Boring No. SH-208
Date 04/28/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



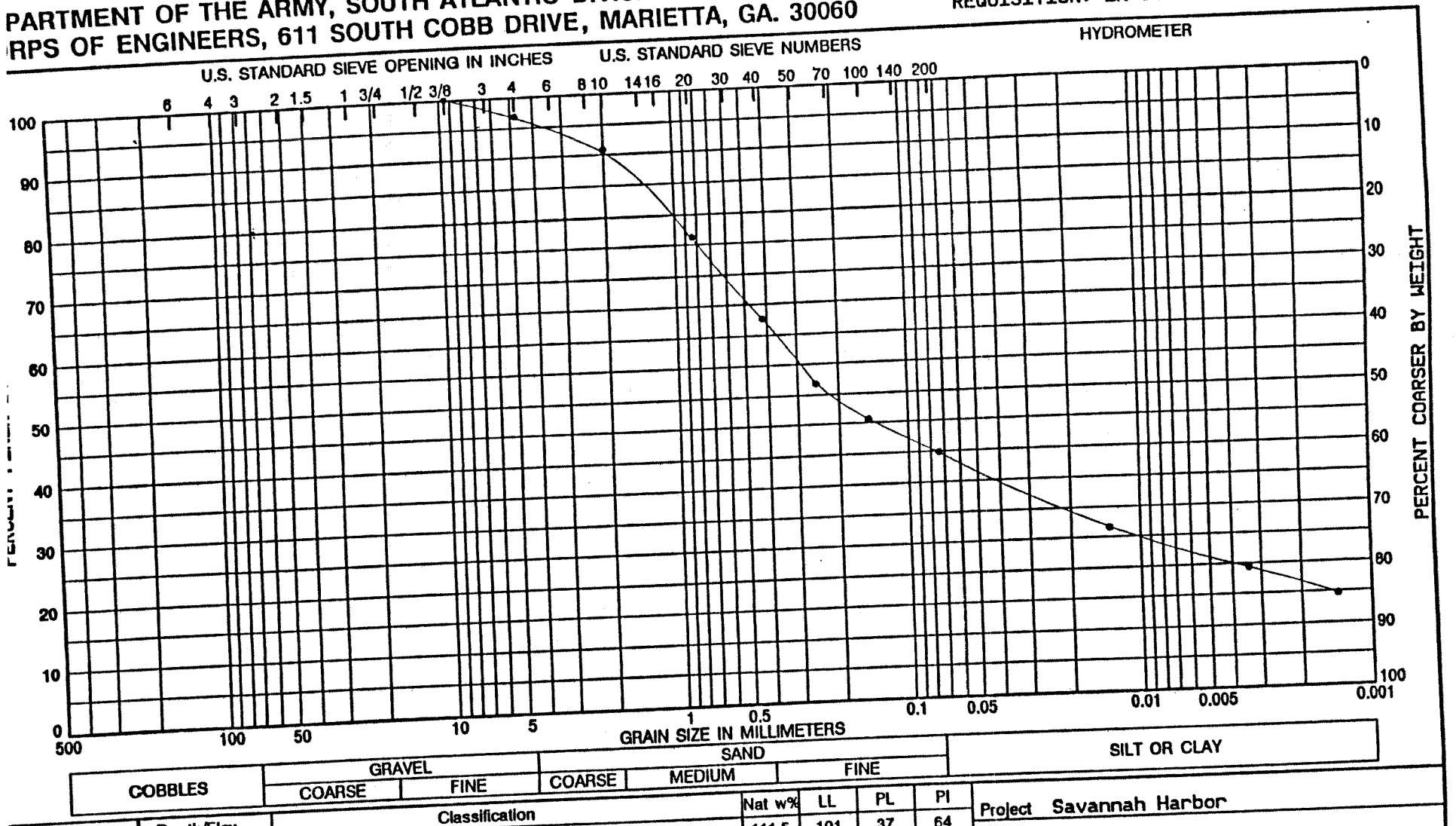
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	53.5-55.0'	Tan poorly graded silty sand (SP-SM), with a trace of gravel size weathered rock fragments and with a trace of mica. Specific gravity = 2.69	-	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1389
Boring No. SH-209
Date 02/12/92

GRADATION CURVES

PARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
RPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



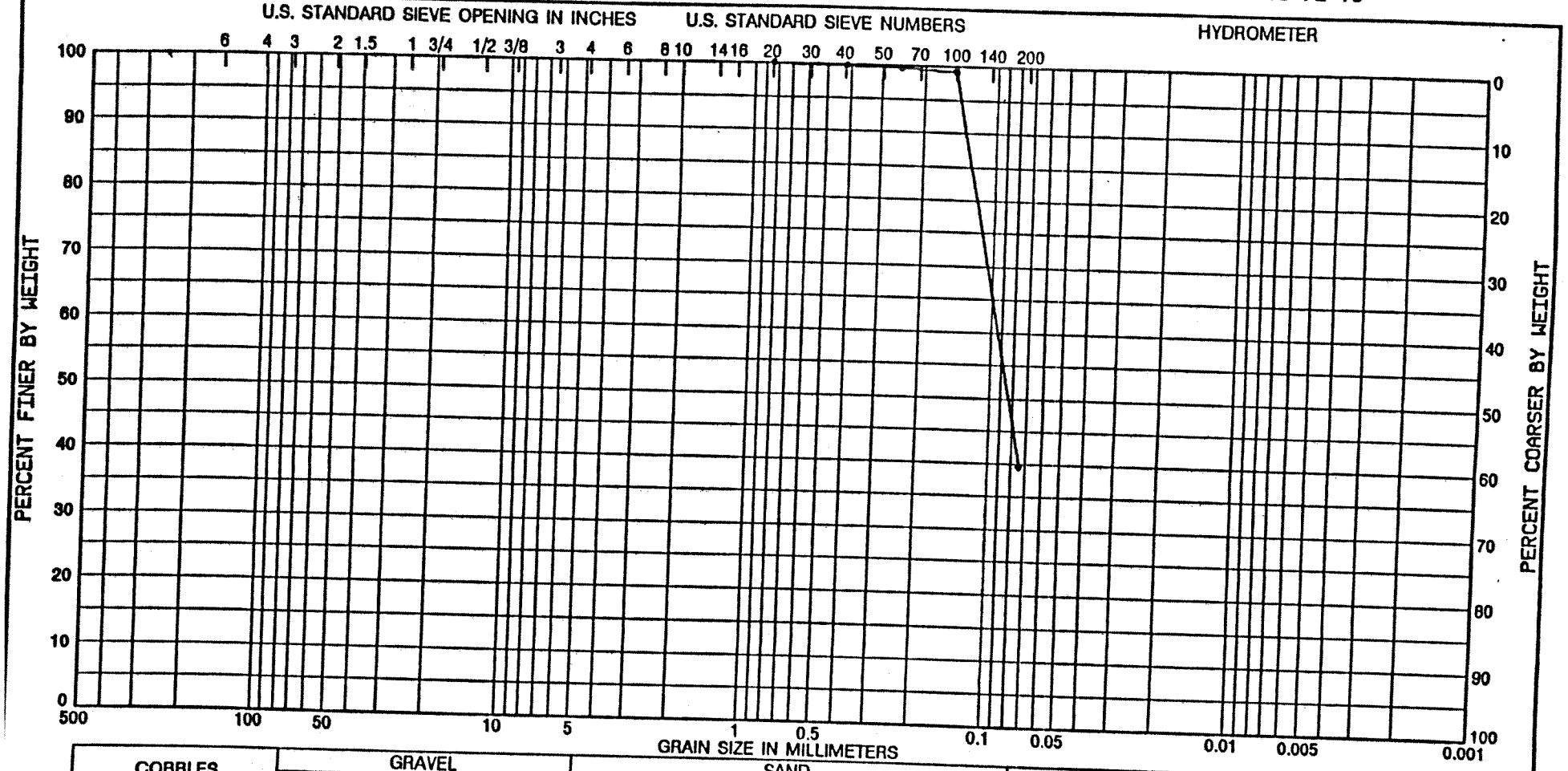
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	44.6-46.2'	Greenish gray clayey sand, high LL (SC-H), with a trace of wood fragments.	111.5	101	37	64

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1955
Boring No. SH214
Date 06/17/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

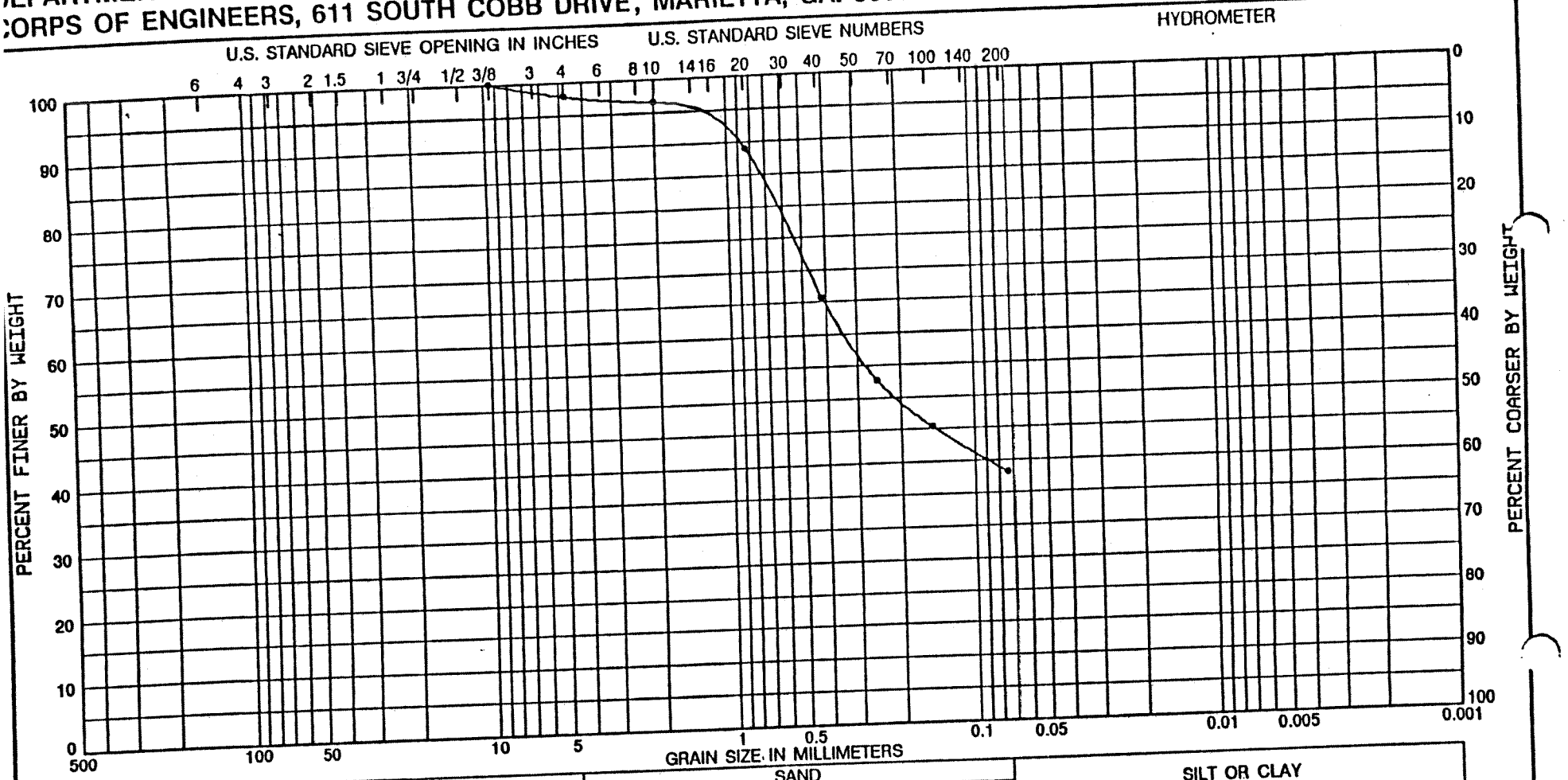
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	55.0-56.5'	Greenish gray silty sand, high LL (SM-H)	55.3	86	42	44

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1959
Boring No. SH214A
Date 06/16/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



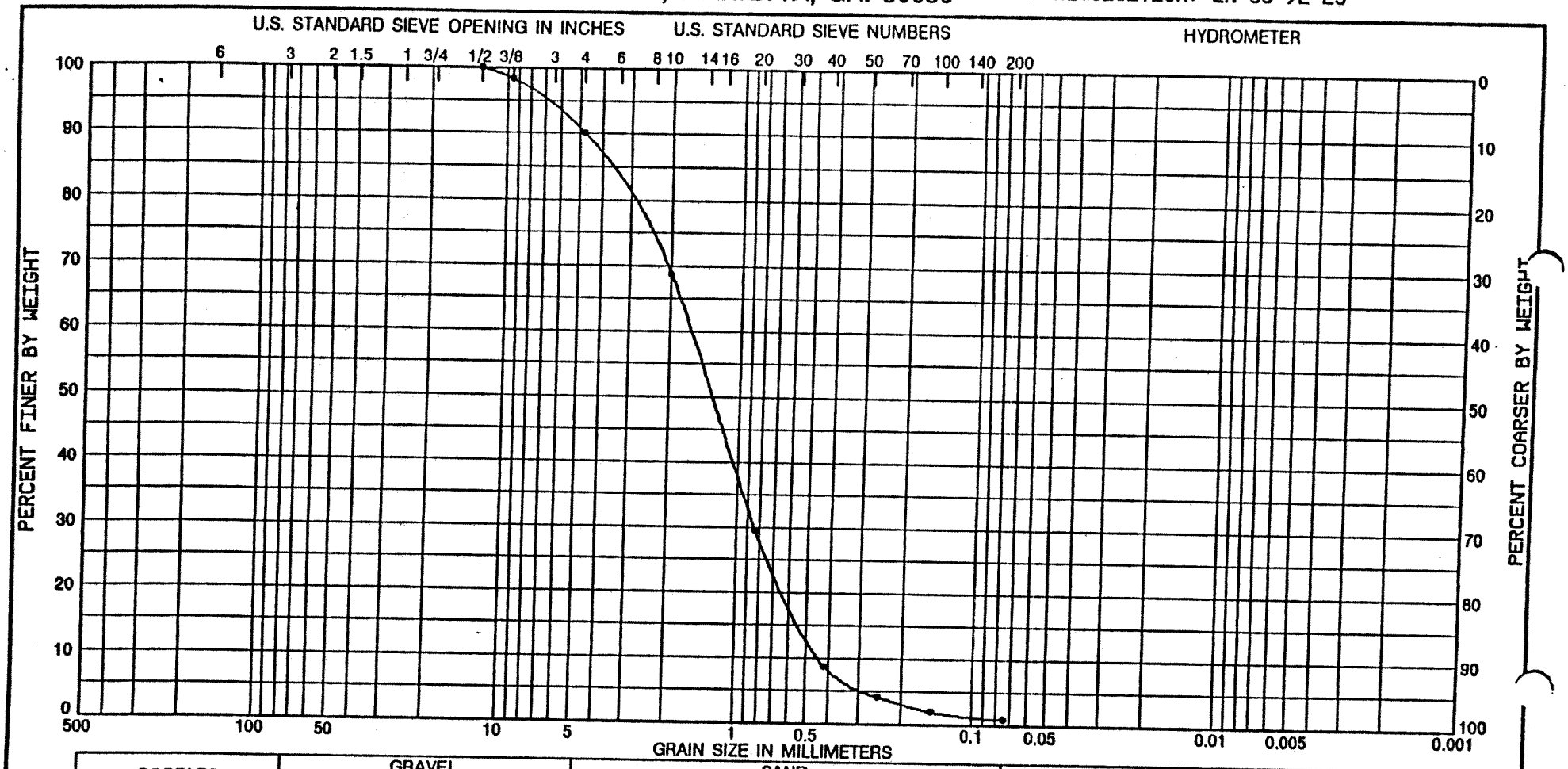
Sample No.	Depth/Elev	Visual Classification	Nat w%	LL	PL	PI
1	43.4-45.0'	Gray clayey sand high LL (SC-H), with a trace of shell, mica, roots and gravel size weathered rock fragments. Specific gravity = 2.65	-	-	-	-

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1392
Boring No. SH-215
Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

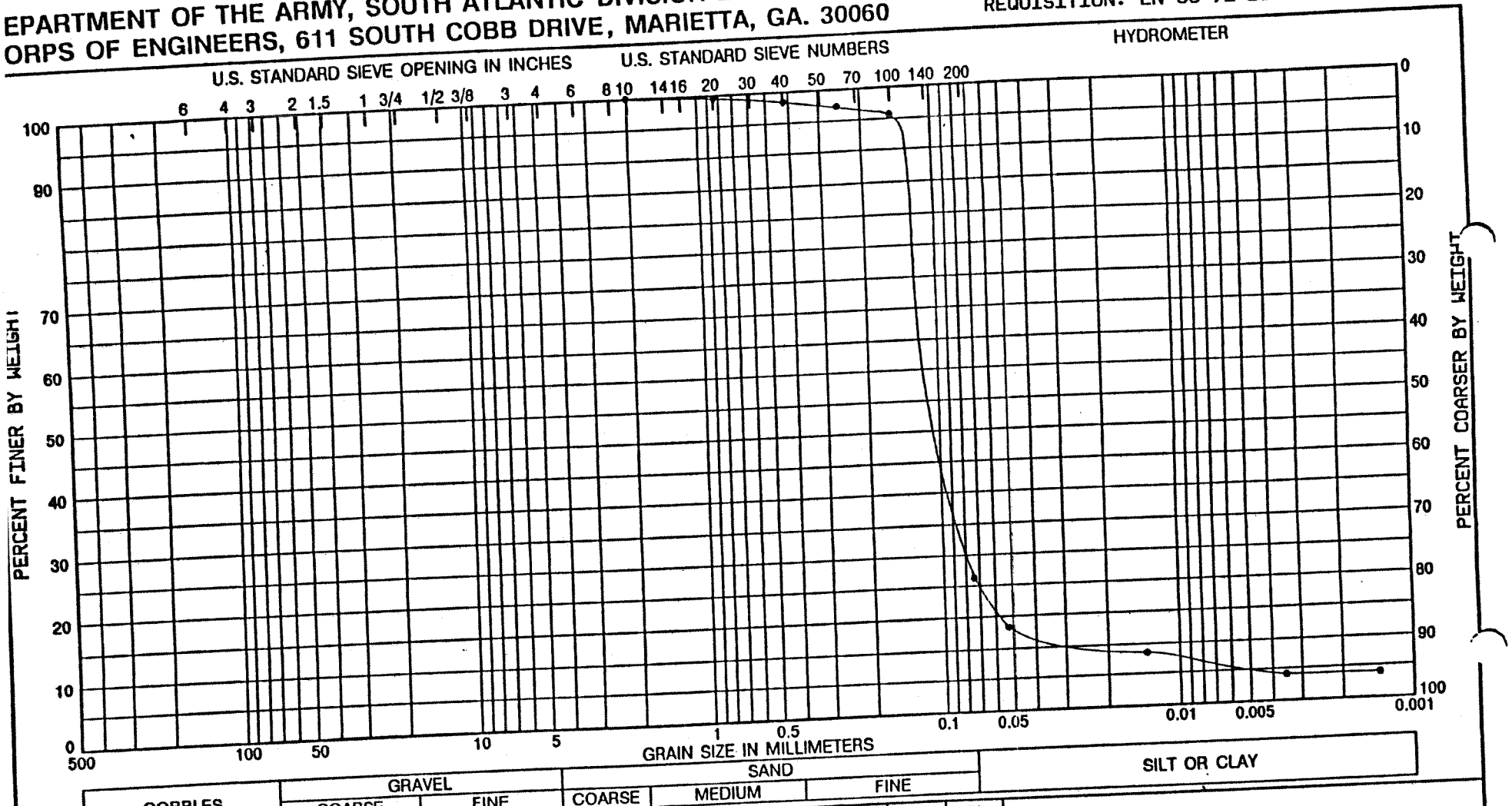
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	52.5-54.0'	Tan poorly graded sand (SP), with a trace of gravel size weathered rock fragments. Specific gravity = 2.67	-	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1393
Boring No. SH-215
Date 02/13/92

GRADATION CURVES

EPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
ORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	58.5-60.0'	Gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.72	48.3	71	37	34

Project SAVANNAH HARBOR
PRELIMINARY BORINGS

Lab No. 97/1394

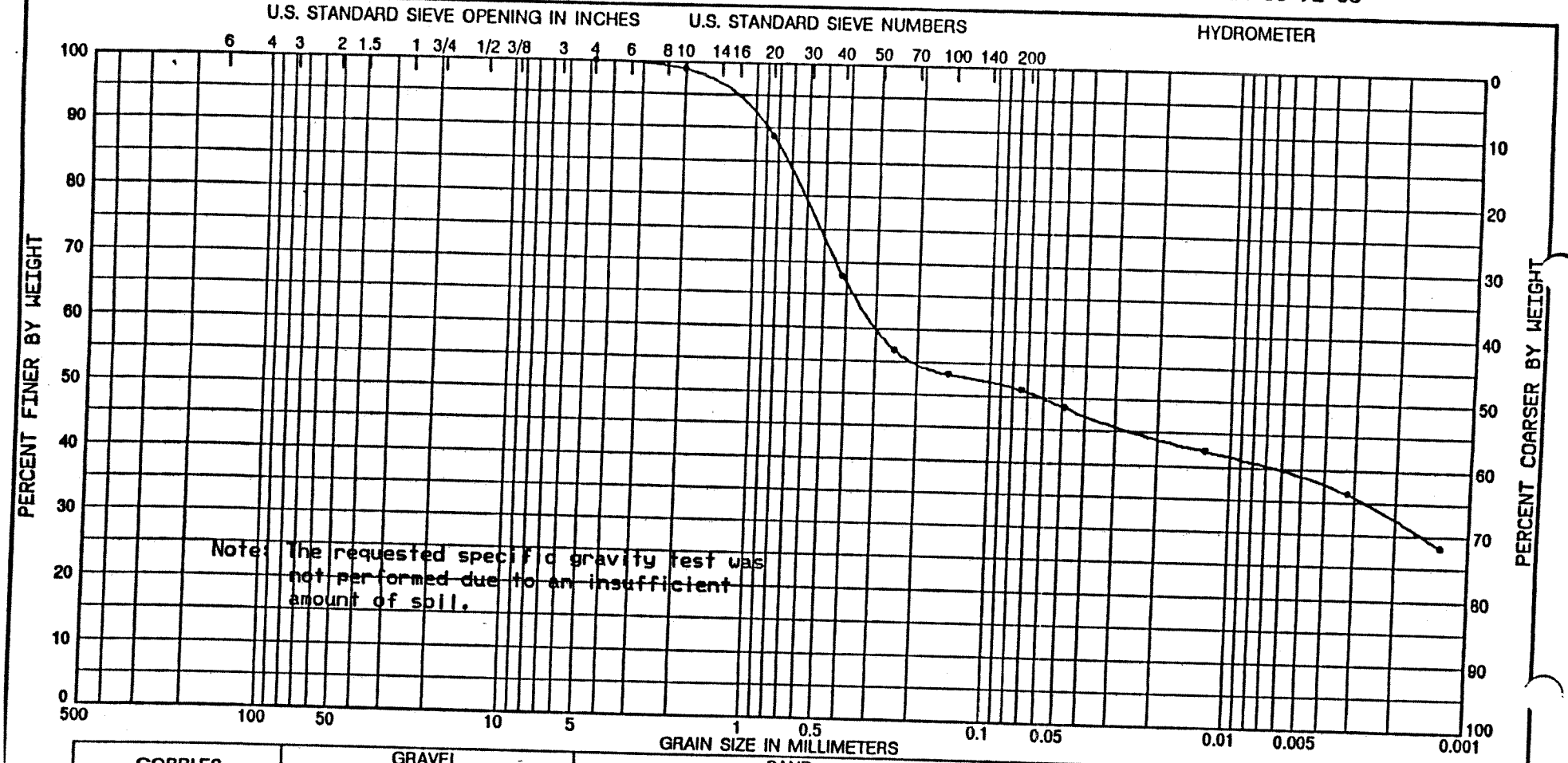
Boring No. SH-215

Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

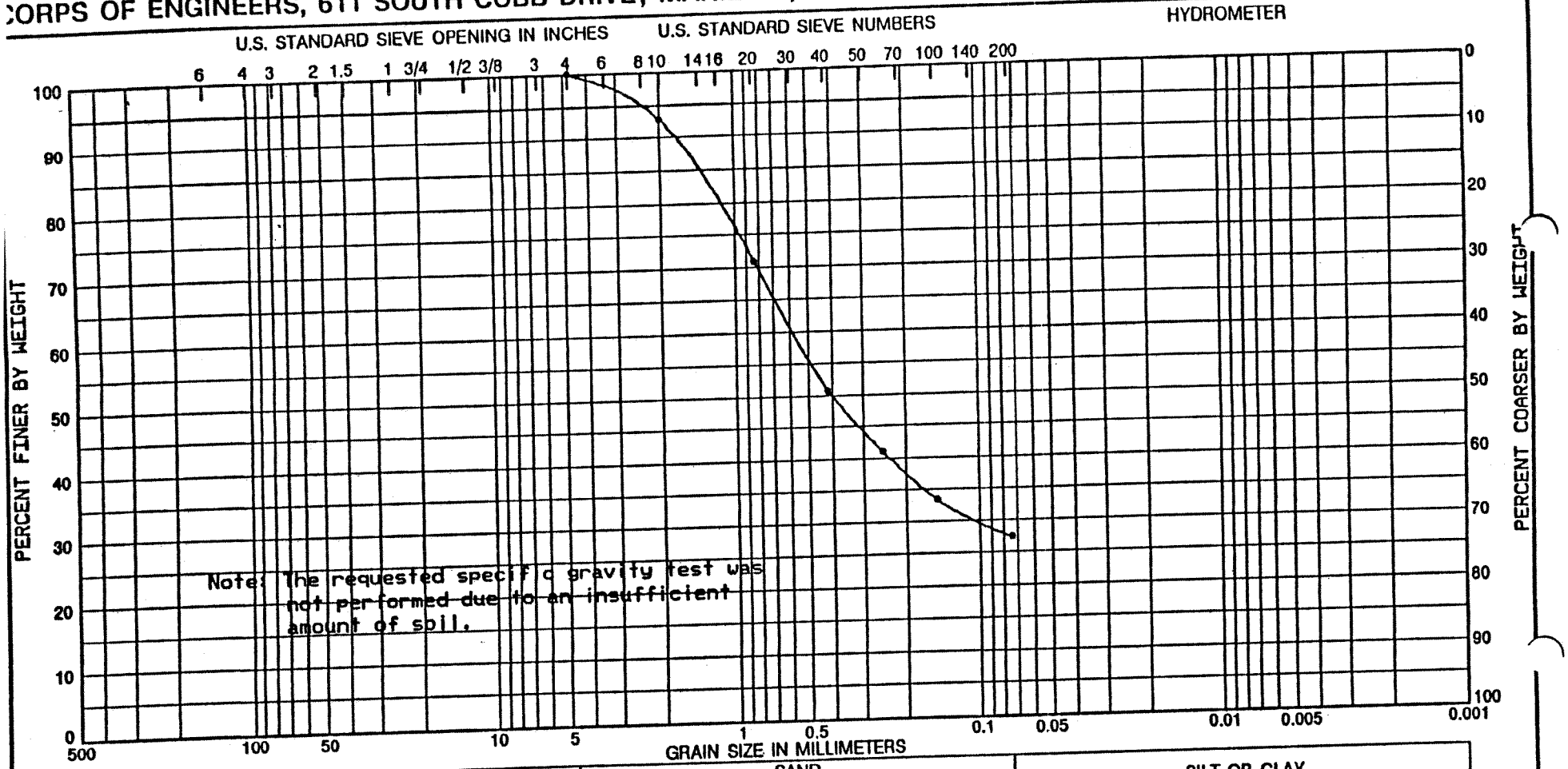
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	41.0-42.5'	Dk. gray fat clay (CH), sandy.	146.9	123	43	80

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1710
Boring No. SH-218
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

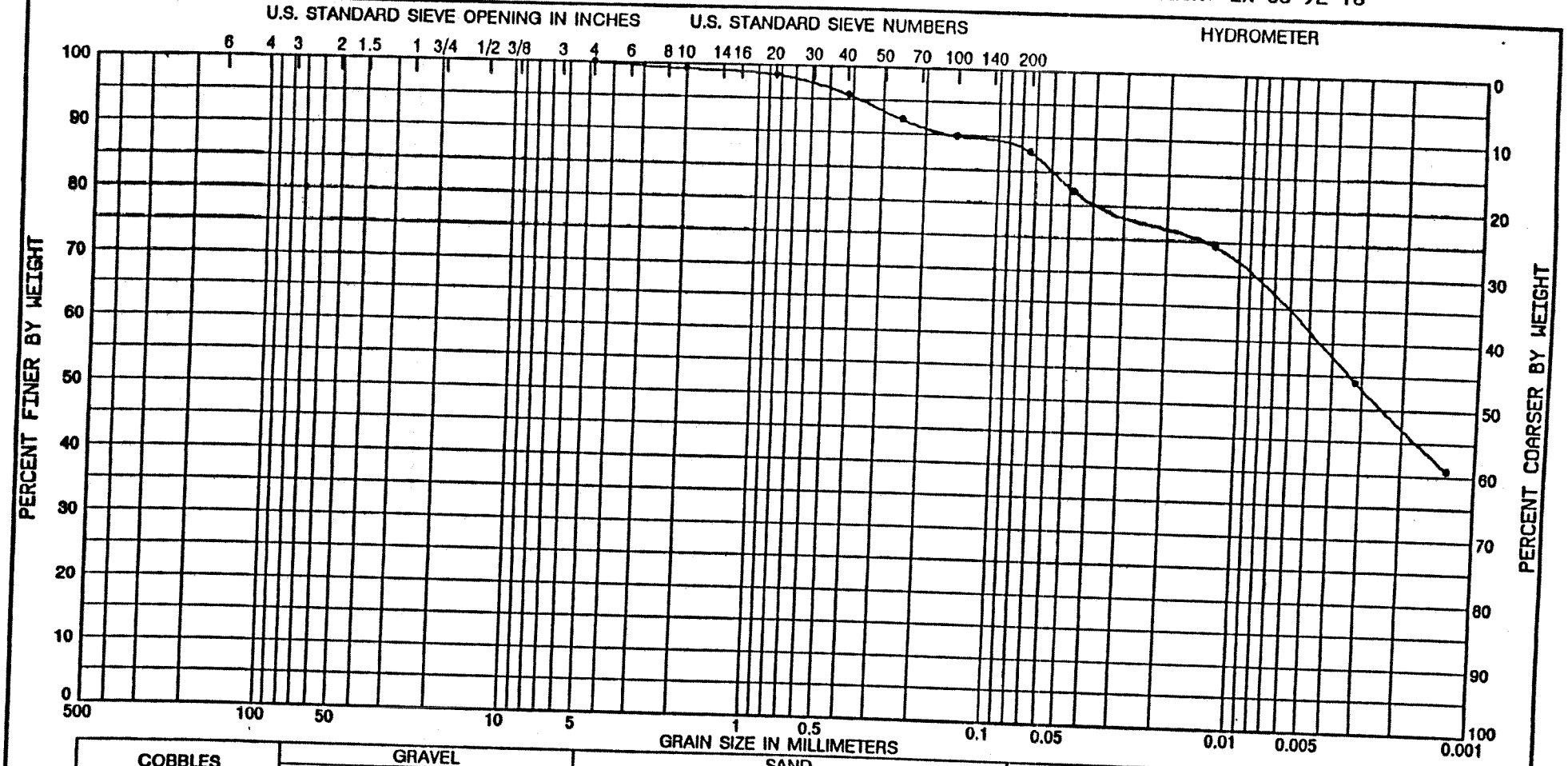
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	44.0-45.0'	Dk. gray clayey sand high LL (SC-H), with a trace of mica.	–	90	34	56

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1712
Boring No. SH-218
Date 05/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

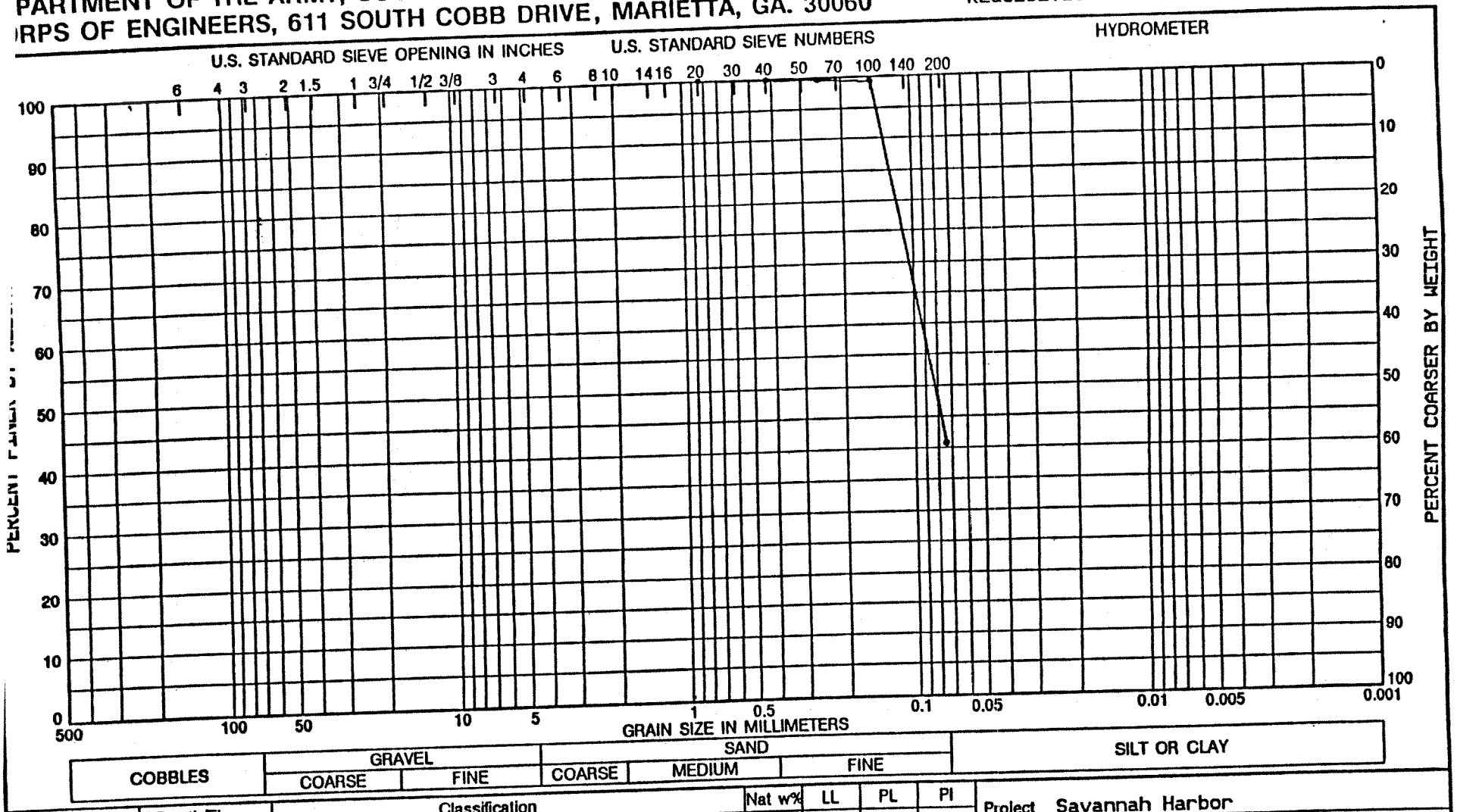
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	42.6-45.1'	Dark gray fat clay (CH), with a little sand and with a trace of mica and organic matter.	–	176	60	116

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1961
Boring No. SH219
Date 06/16/92

GRADATION CURVES

PARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
RPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



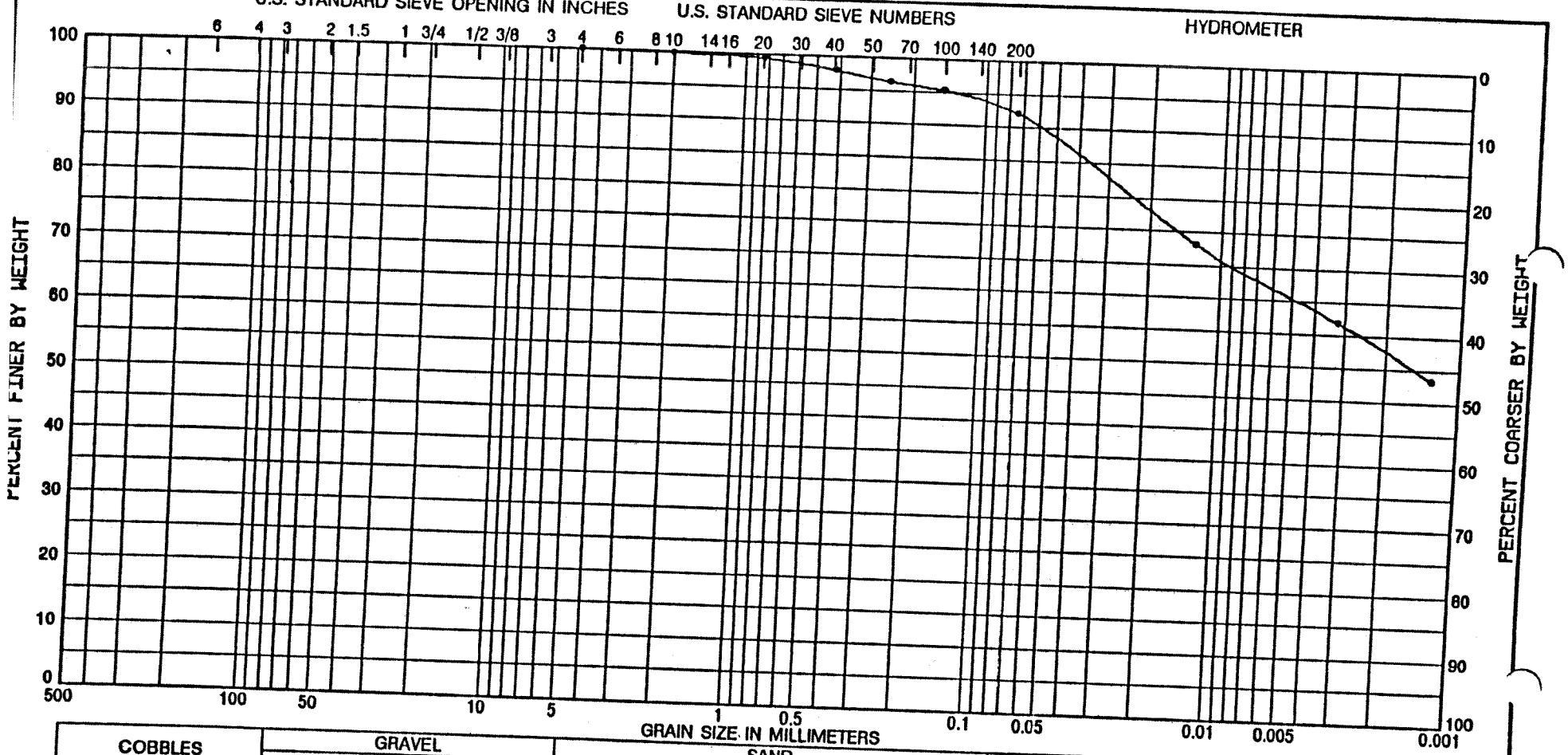
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
6	58.6-60.1'	Greenish gray silty sand, high LL (SM-H)	-	93	47	46

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1966
Boring No. SH219
Date 06/16/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

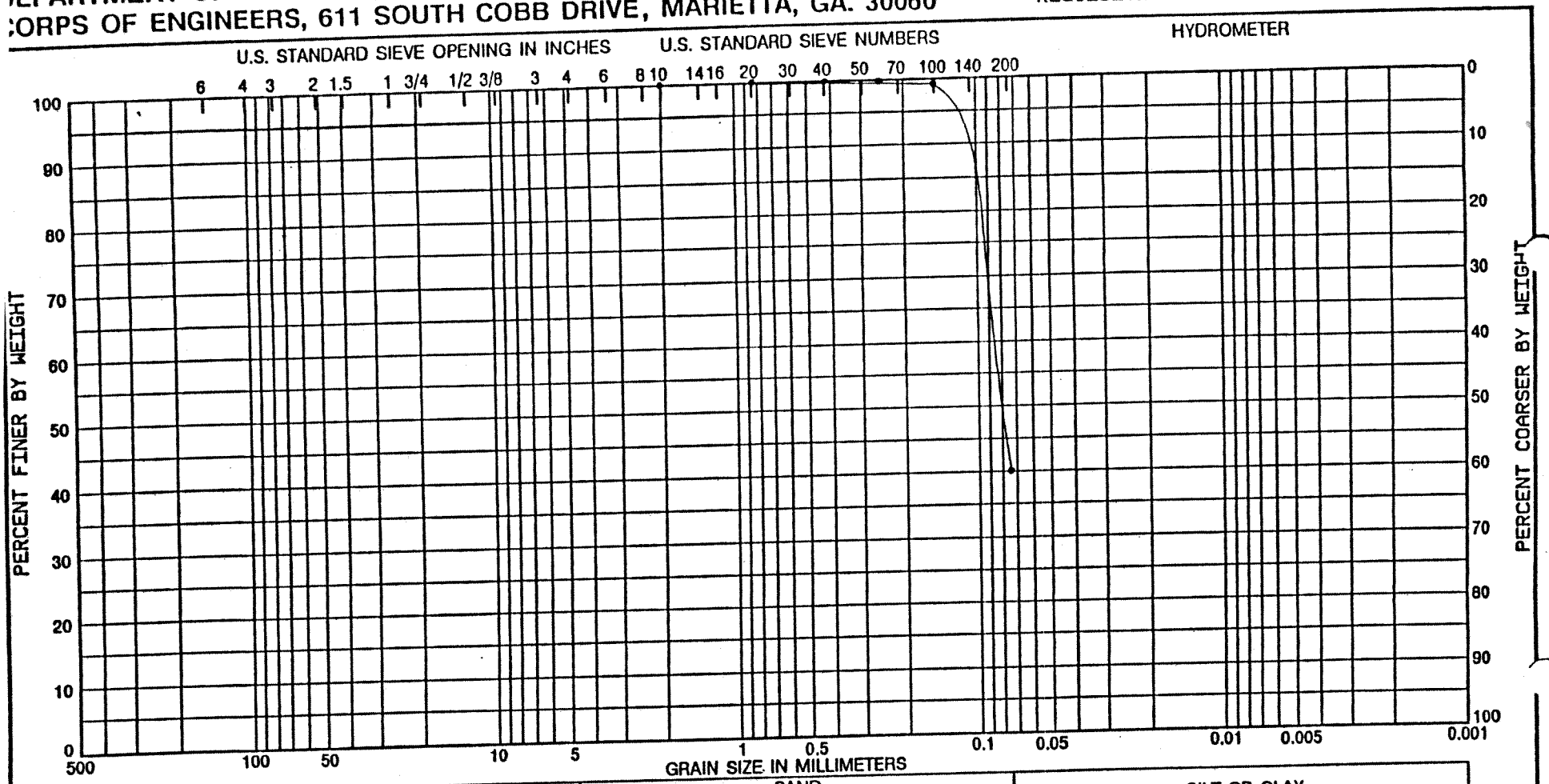
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	38.3-43.5'	Dk. gray fat clay (CH), slightly organic, with a trace of sand and mica. Specific gravity = 2.60	–	176	60	116

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1716
Boring No. SH-220
Date 05/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

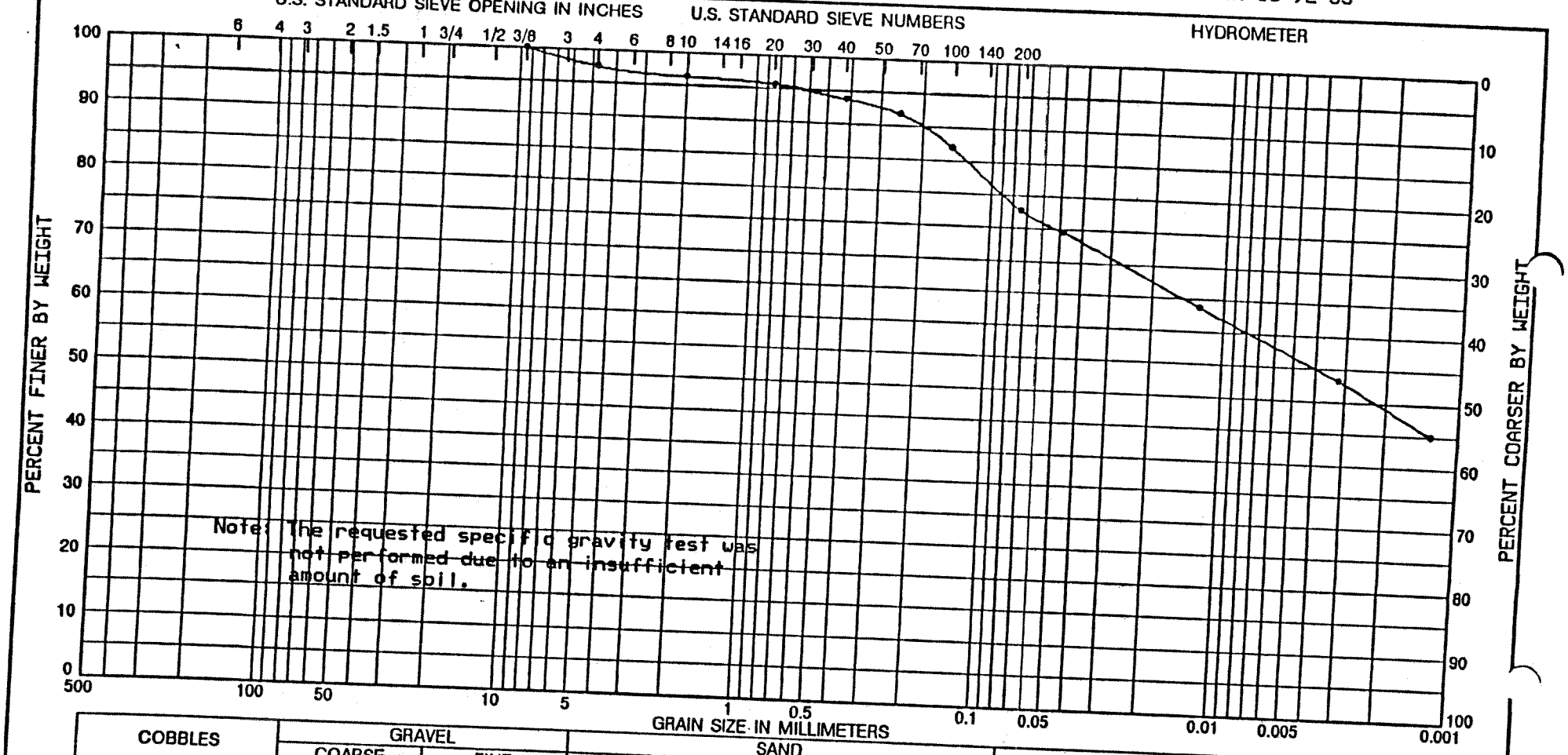
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	48.0-49.4'	Tannish gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.75	31.7	57	31	26

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1718
Boring No. SH-220
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

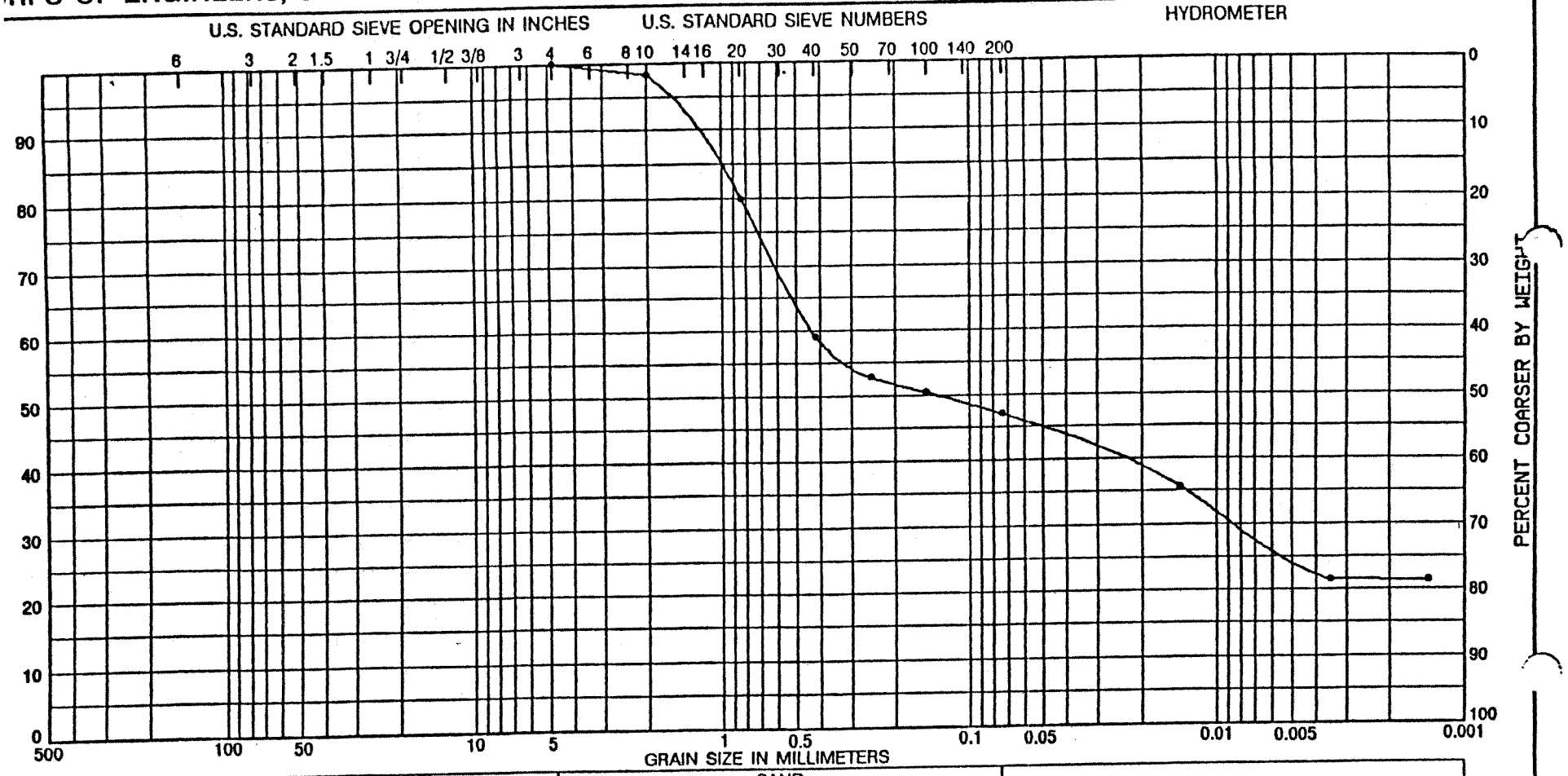
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	45.8-48.1'	Dk. gray inorganic silt high LL (MH), with some sand and with a trace of mica and gravel size rusty metal fragments.	224.3	143	55	88

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1723
Boring No. SH-221
Date 05/11/92

GRADATION CURVES

PARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
RPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

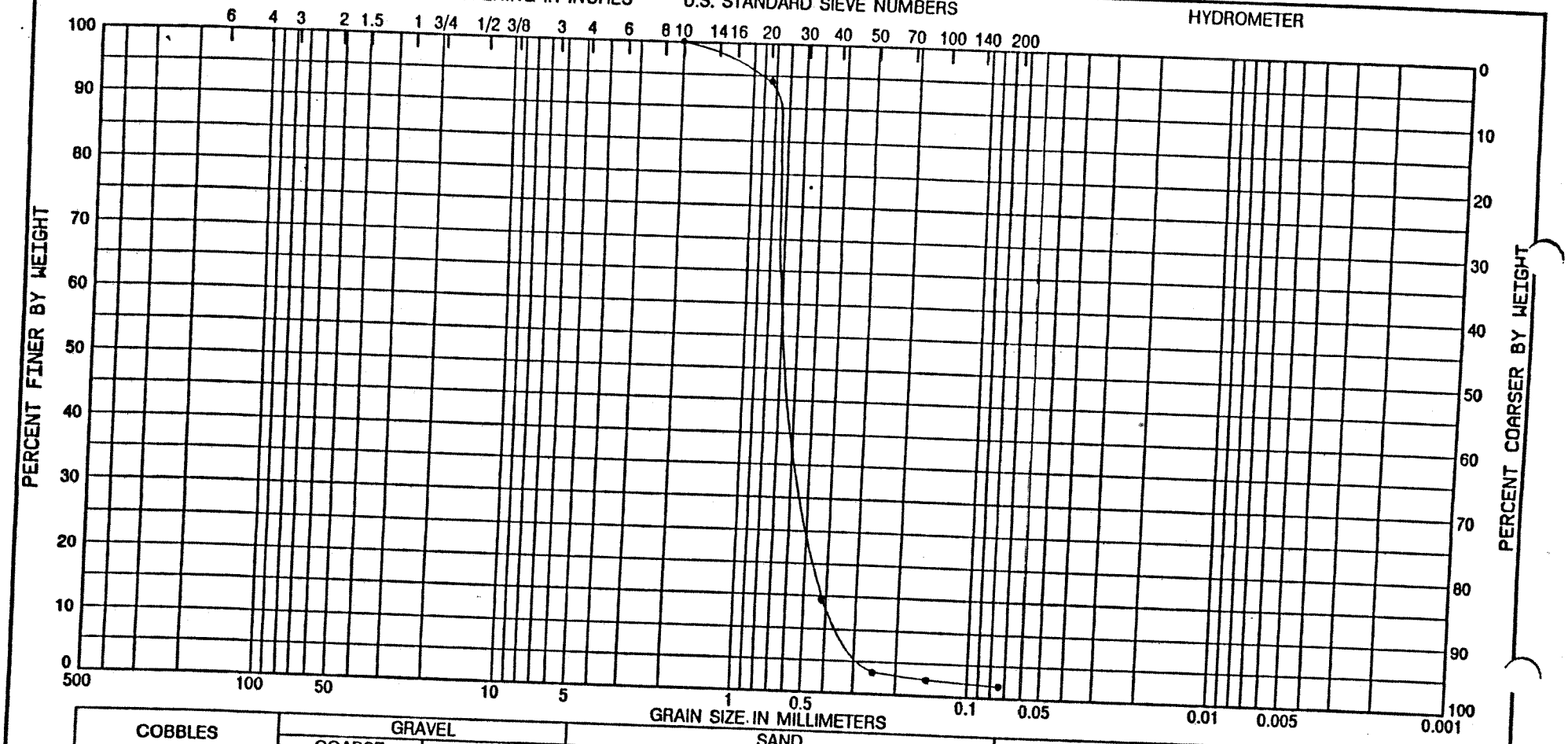
Sample No.	Depth/Elev	Visual Classification	Nat w%	LL	PL	PI
1	42.9-44.9'	Gray silty sand high LL (SM-H), with a trace of mica and organic matter. Specific gravity = 2.64	-	-	-	-

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1395
Boring No. SH-222
Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

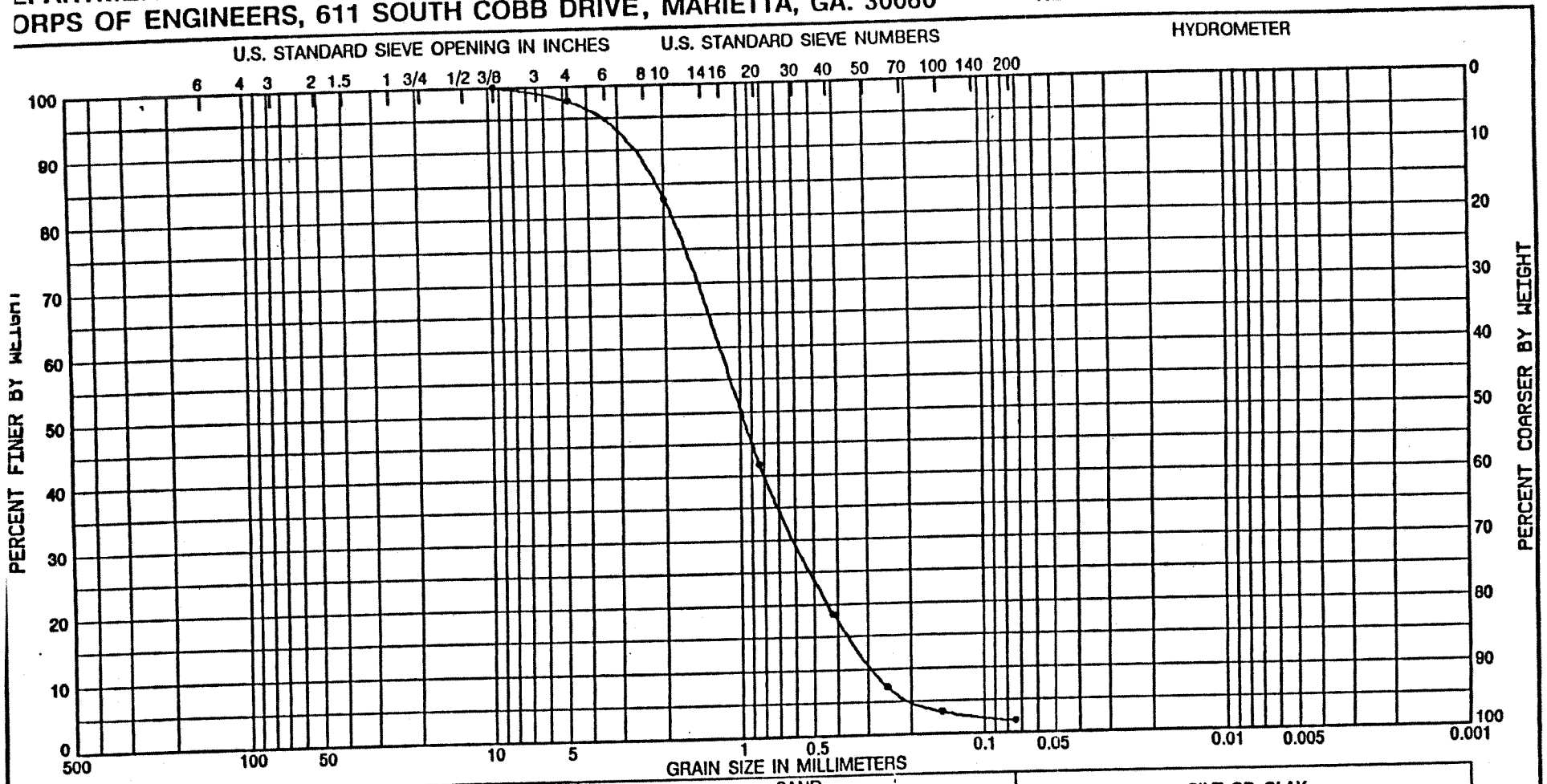
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	47.4-48.9'	Gray poorly graded sand (SP), with a trace of mica and roots. Specific gravity = 2.68	-	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1397
Boring No. SH-222
Date 02/14/92

GRADATION CURVES

EPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
ORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

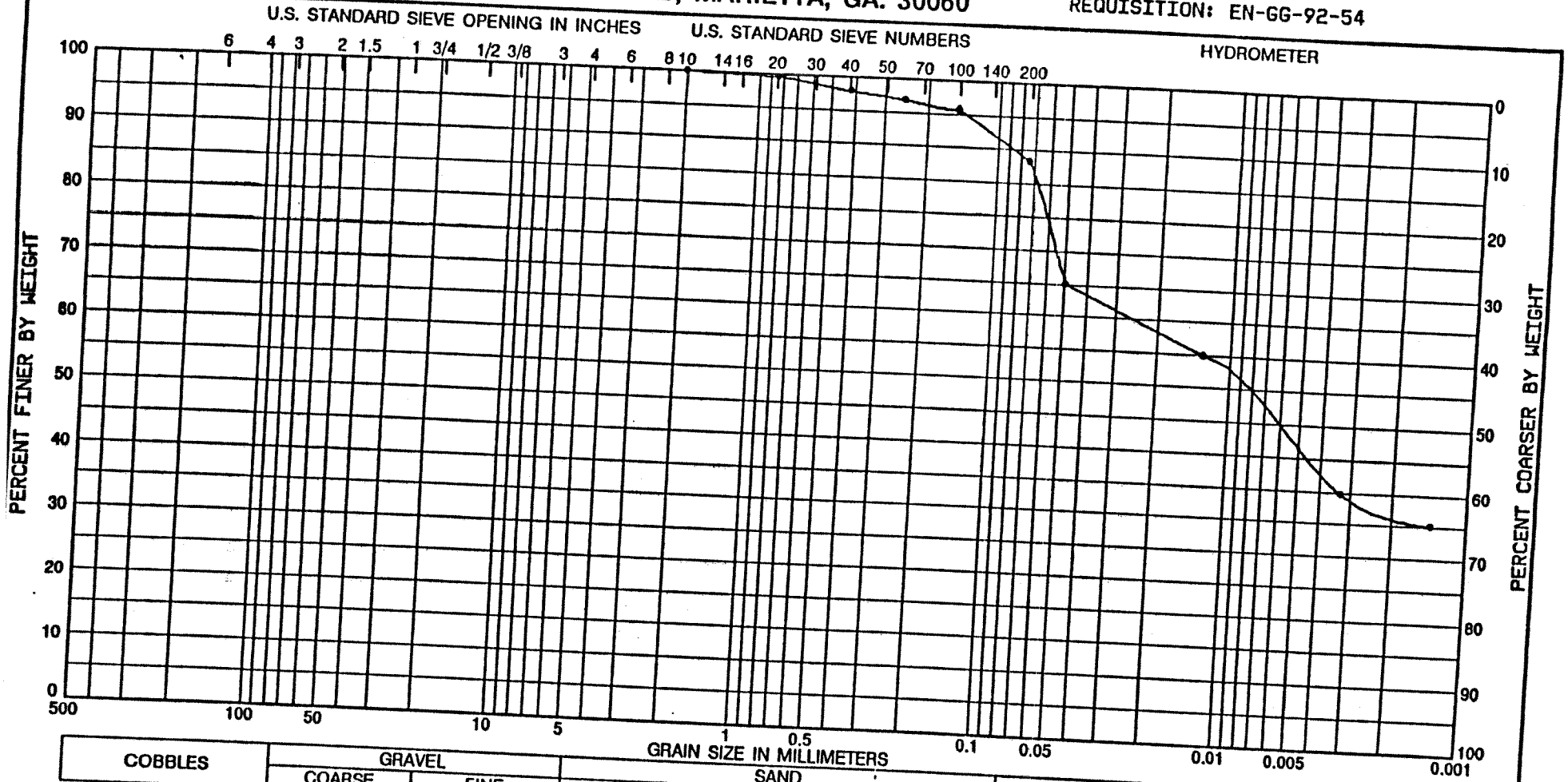
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	46.3-48.6'	Tan poorly graded sand (SP), with a trace of gravel size weathered rock fragments. Specific gravity = 2.67	-	NP	NP	NP

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1839
Boring No. SH-223
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

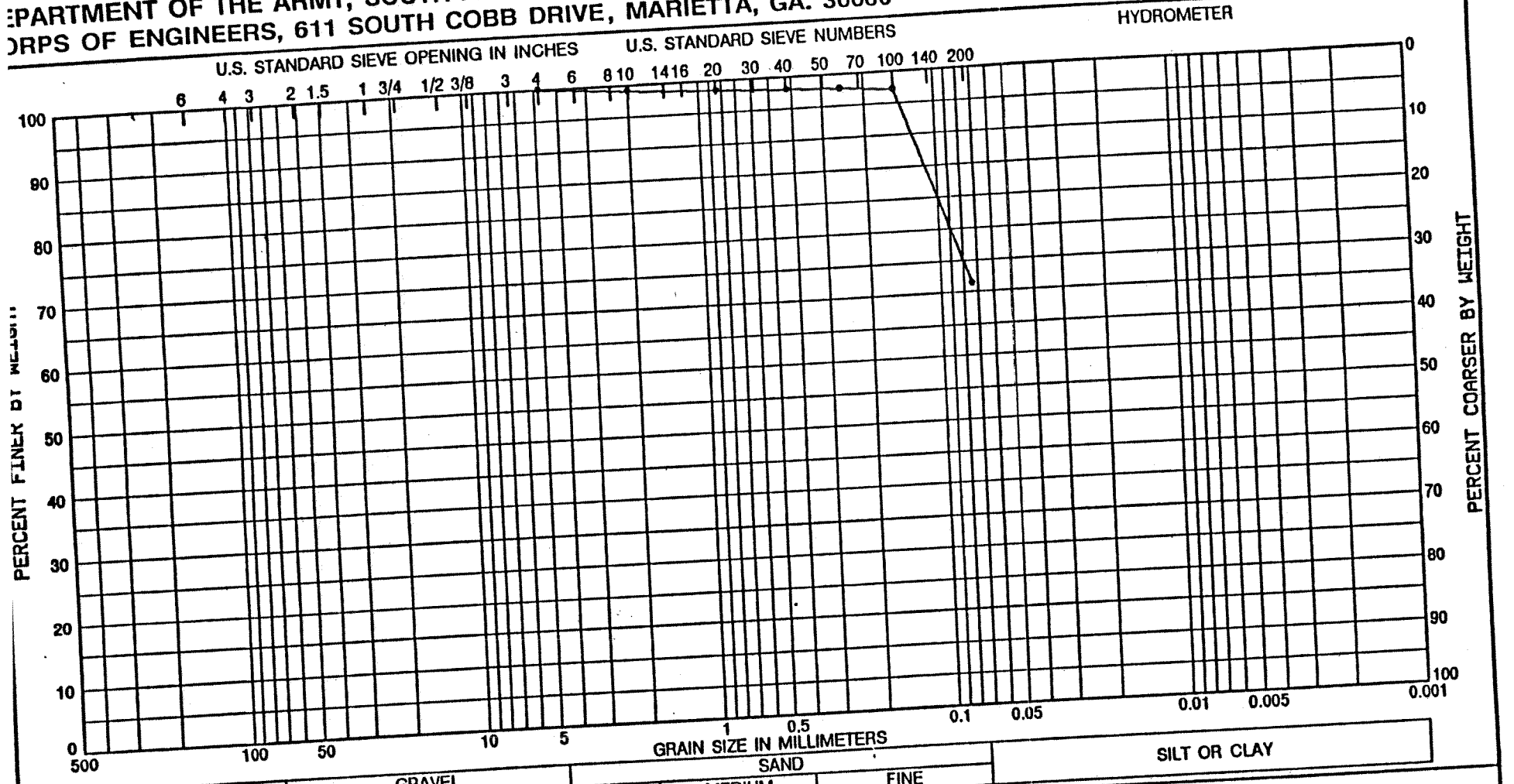
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	41.5-44.3'	Dk. gray fat clay (CH), with a little sand and with a trace of mica and organic matter. Specific gravity = 2.60	201.3	163	54	109

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1843
Boring No. SH-224
Date 06/07/92

GRADATION CURVES

EPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
ORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

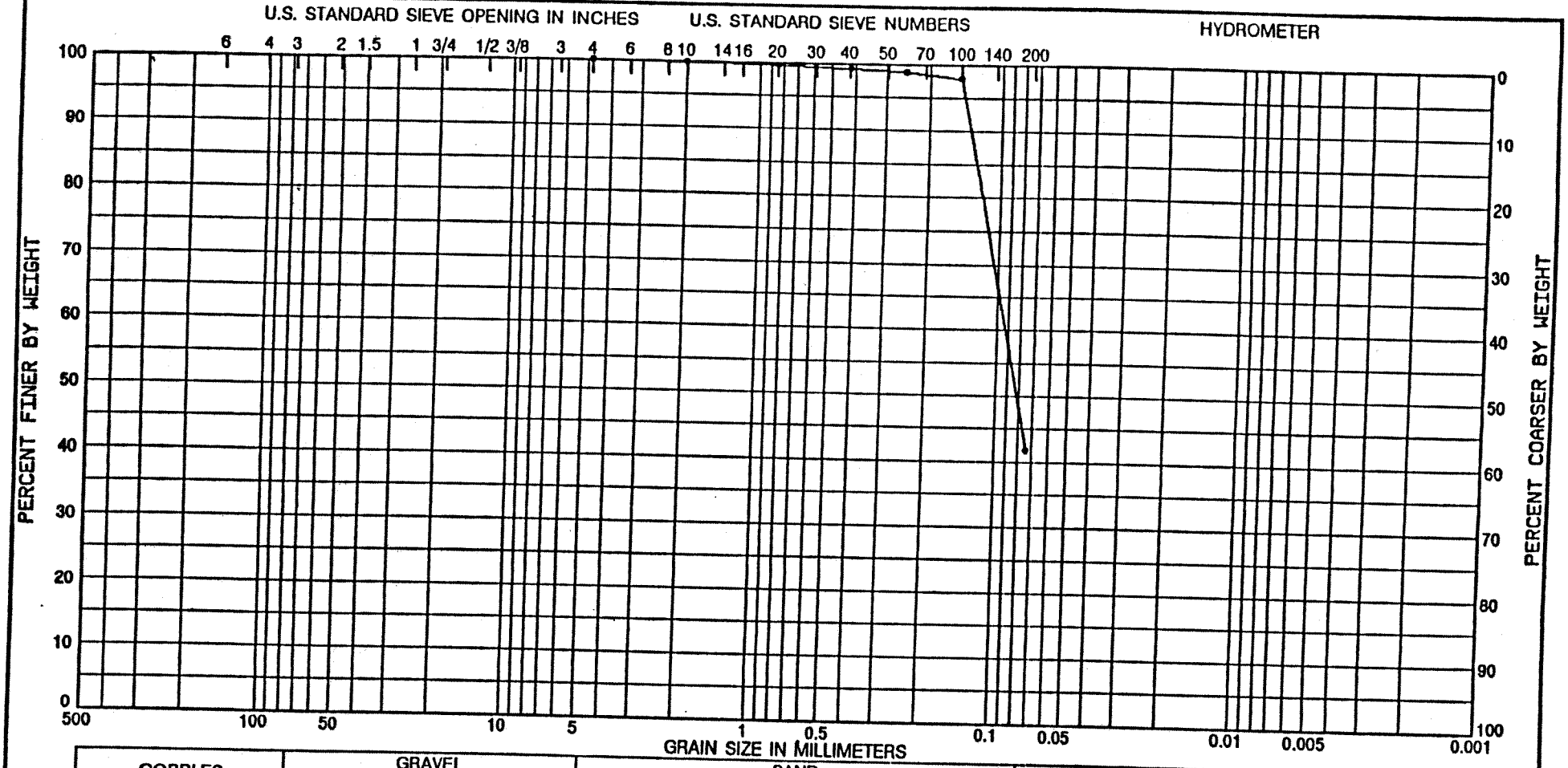
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	53.3-54.8'	Greenish gray inorganic silt high LL (MH), clayey, with some sand and with a trace of mica. Specific gravity = 2.69	–	90	53	37

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1846
Boring No. SH-224
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

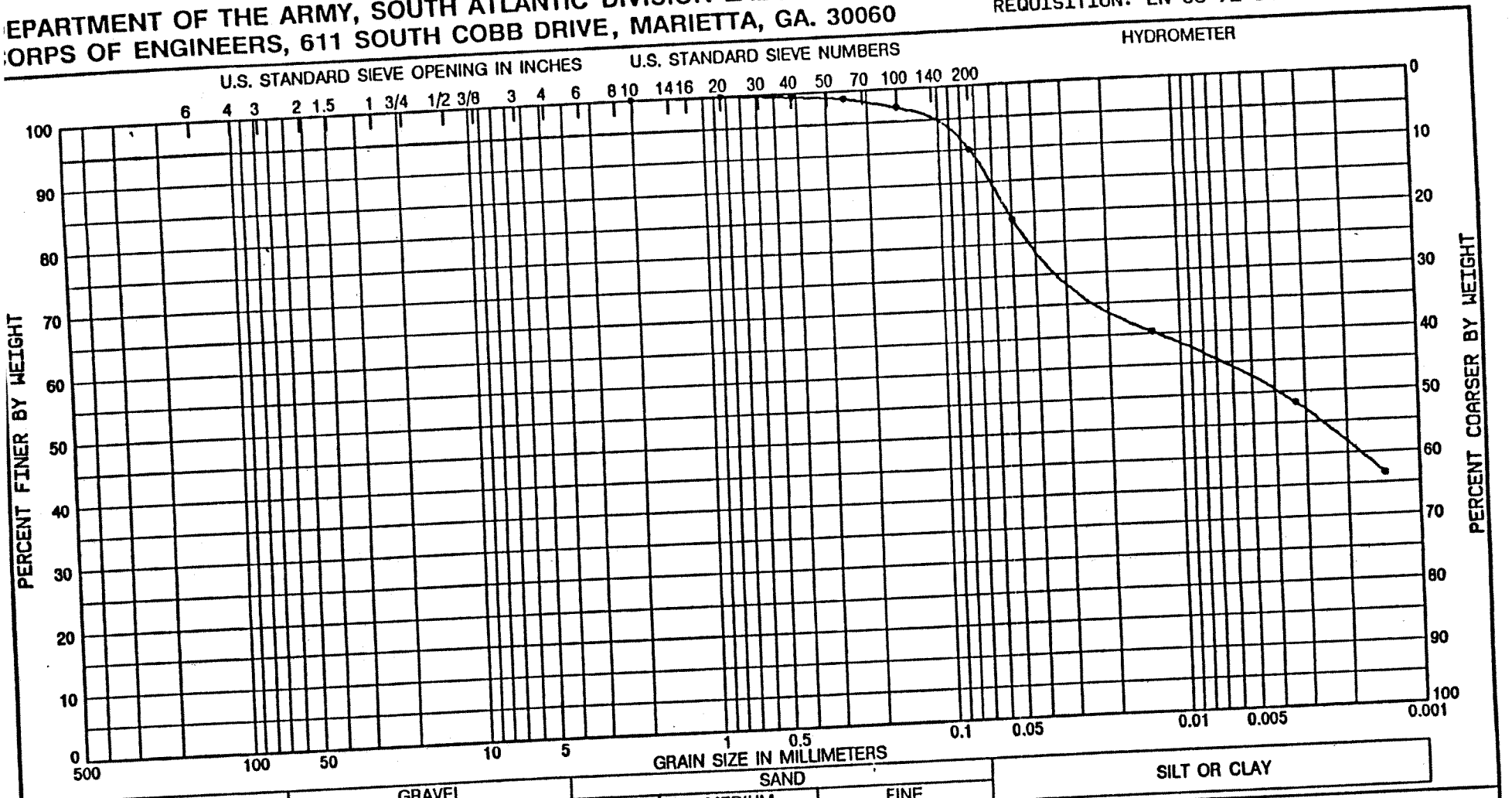
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	45.5-46.8'	Greenish gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.71	-	53	37	16

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1850
Boring No. SH-225
Date 06/07/92

GRADATION CURVES

EPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
ORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



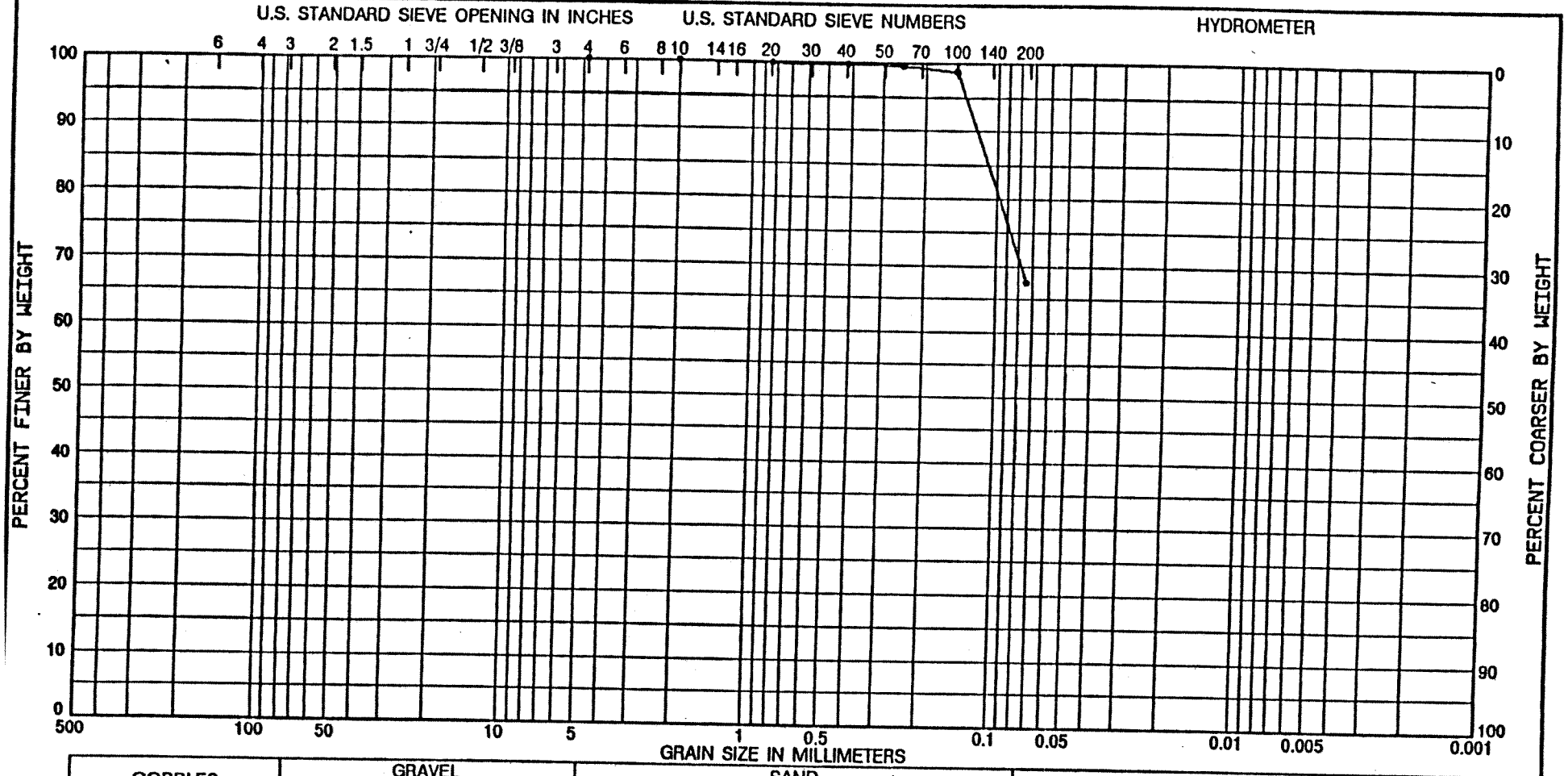
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	42.2-46.3'	Dk. gray fat clay (CH), with a trace of sand, mica and organic matter. Specific gravity = 2.60	–	161	52	109

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1855
Boring No. SH-226
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

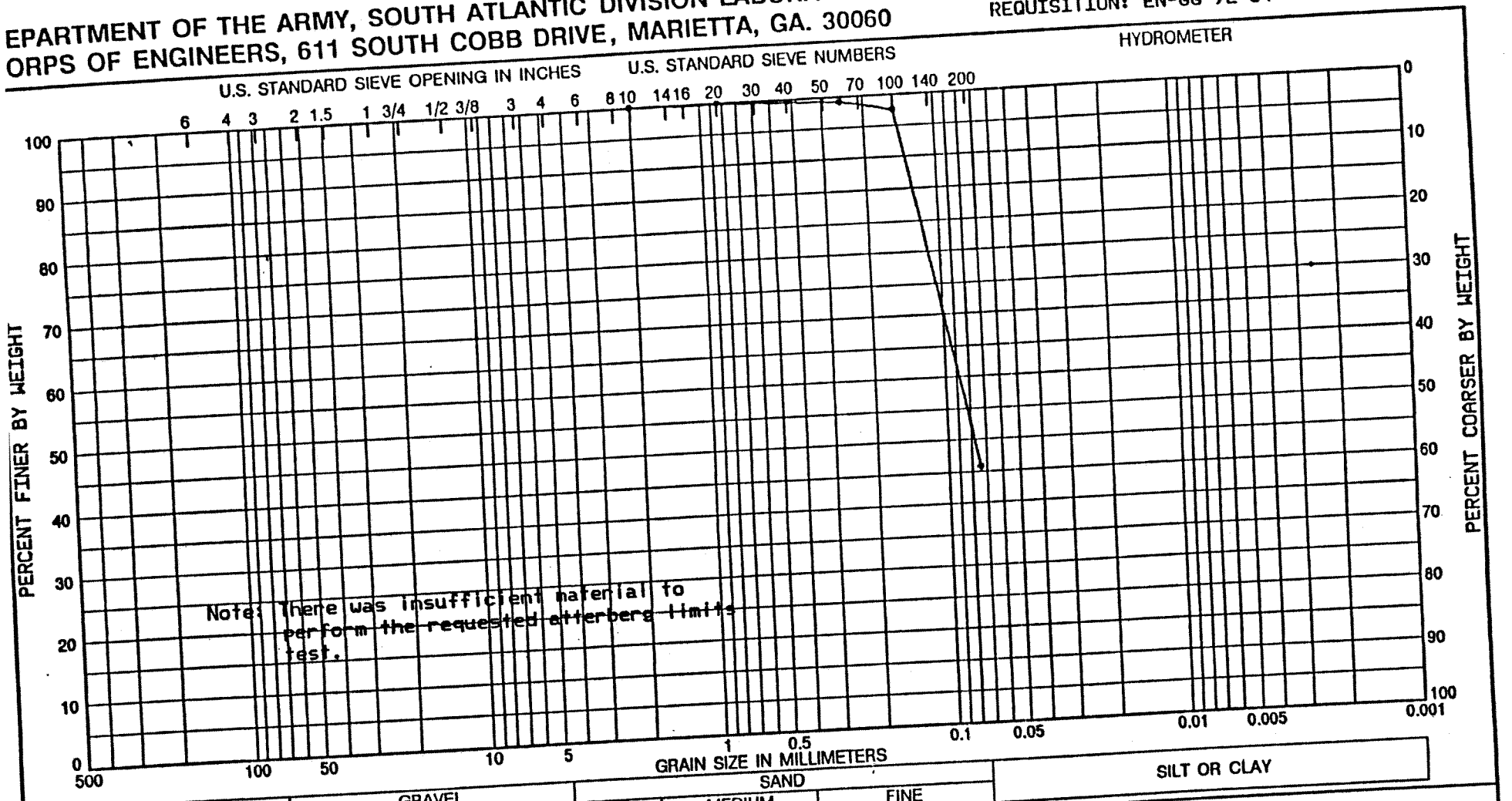
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	51.5-53.0'	Greenish gray inorganic silt high LL (MH), clayey, with some sand. Specific gravity = 2.70	–	165	63	102

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1858
Boring No. SH-228
Date 06/07/92

GRADATION CURVES

EPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
ORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL COARSE	GRAVEL FINE	SAND COARSE	SAND MEDIUM	SAND FINE	SILT OR CLAY

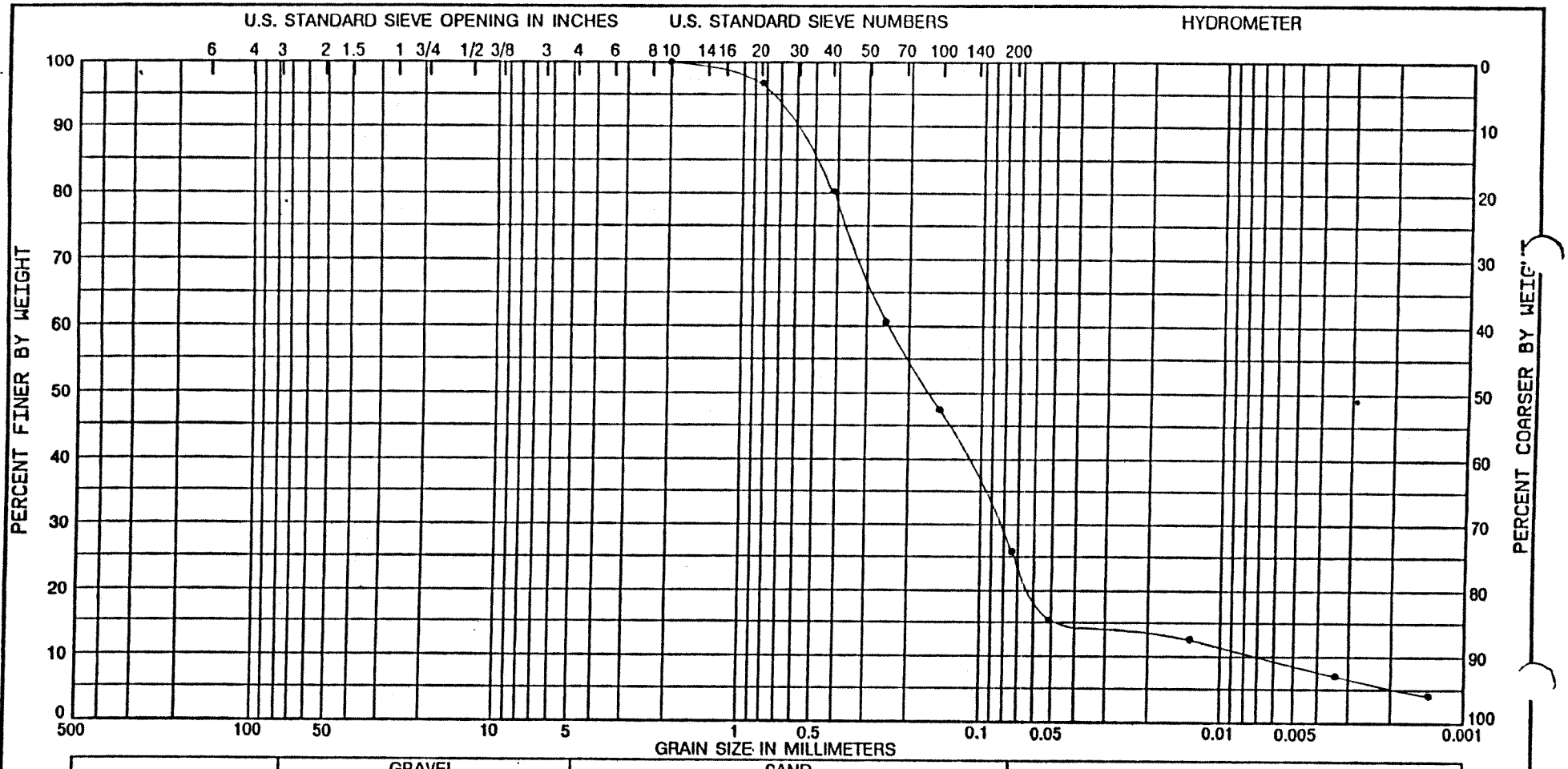
Sample No.	Depth/Elev	Visual Classification	Nat w%	LL	PL	PI
2	45.8-46.5'	Greenish gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.76	-	-	-	-

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1862
Boring No. SH-227
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

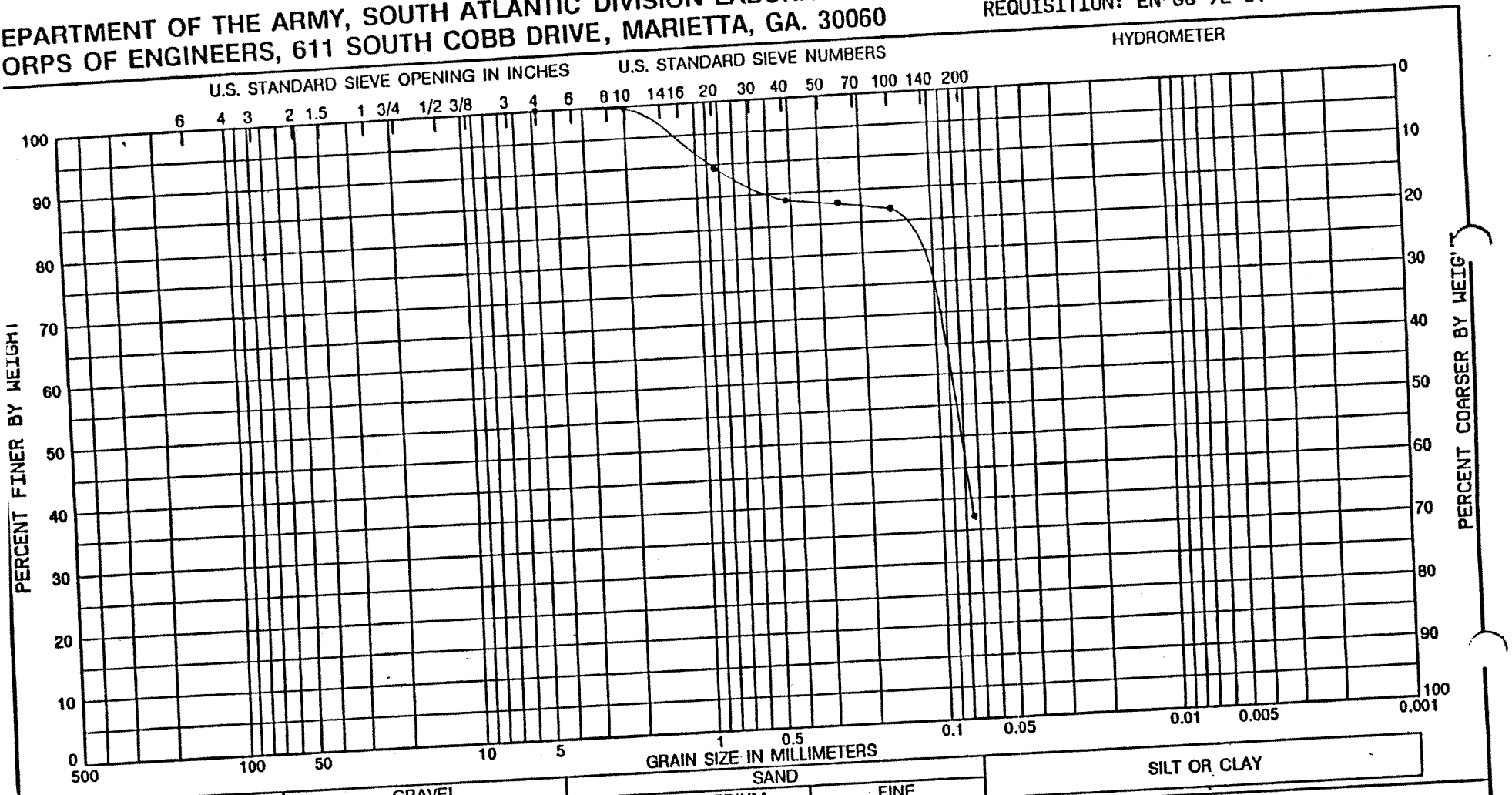
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	33.2-36.2'	Dk. gray clayey sand (SC), with a trace of mica, roots and shell. Specific gravity = 2.67	-	49	24	25

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1539
Boring No. SH-228
Date 04/29/92

GRADATION CURVES

EPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
ORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



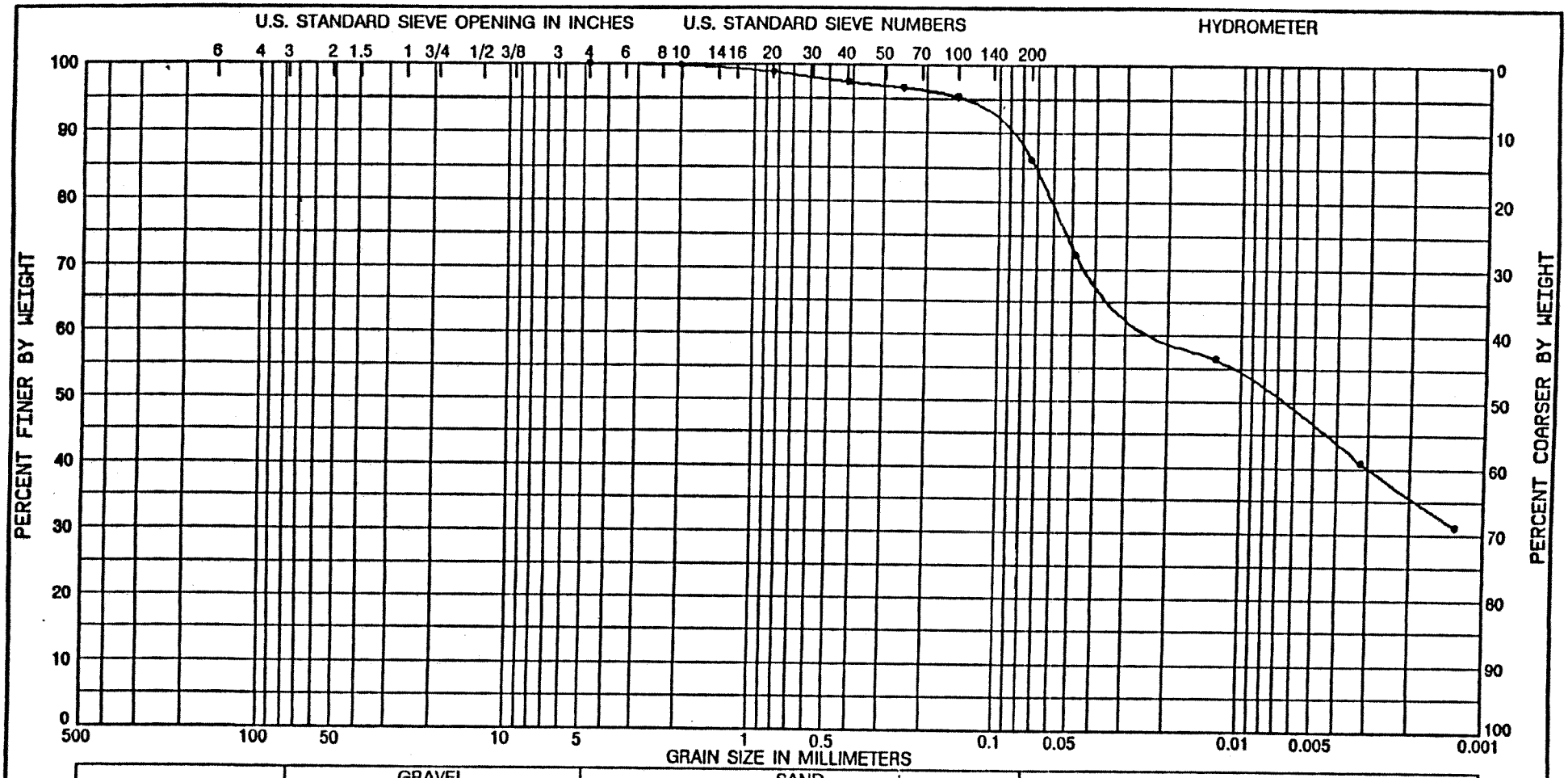
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	45.2-46.7'	Greenish gray silty sand high LL (SM-H), with a trace of mica and roots. Specific gravity = 2.70	–	89	49	40

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1542
Boring No. SH-228
Date 04/29/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	45.5-47.5'	Dk. gray fat clay (CH), with a little sand and with a trace of mica and organic matter. Specific gravity = 2.68	215.9	157	56	101

Project Savannah Harbor

Preliminary Borings

Lab No. 97/1867

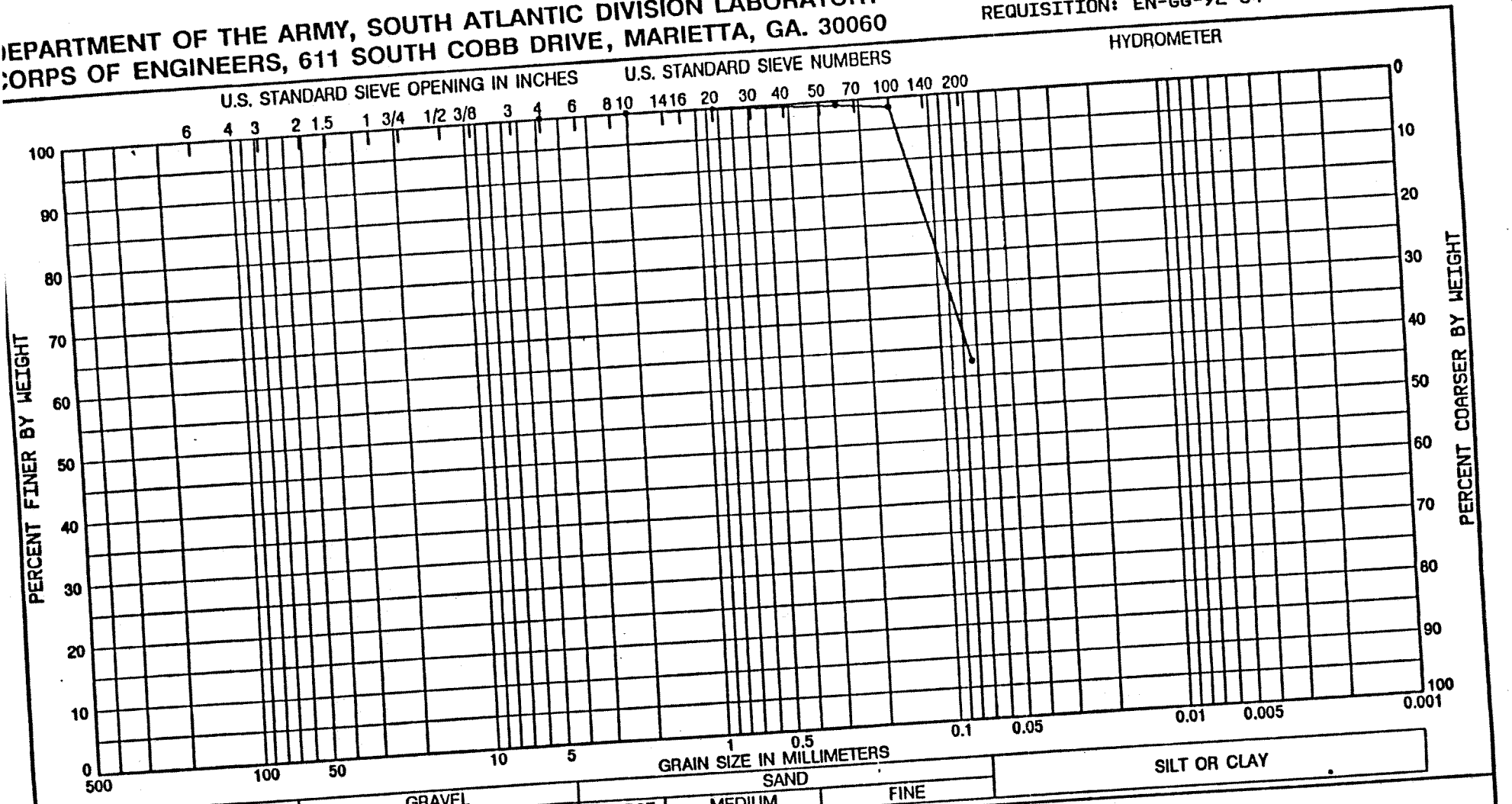
Boring No. SH-229

Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



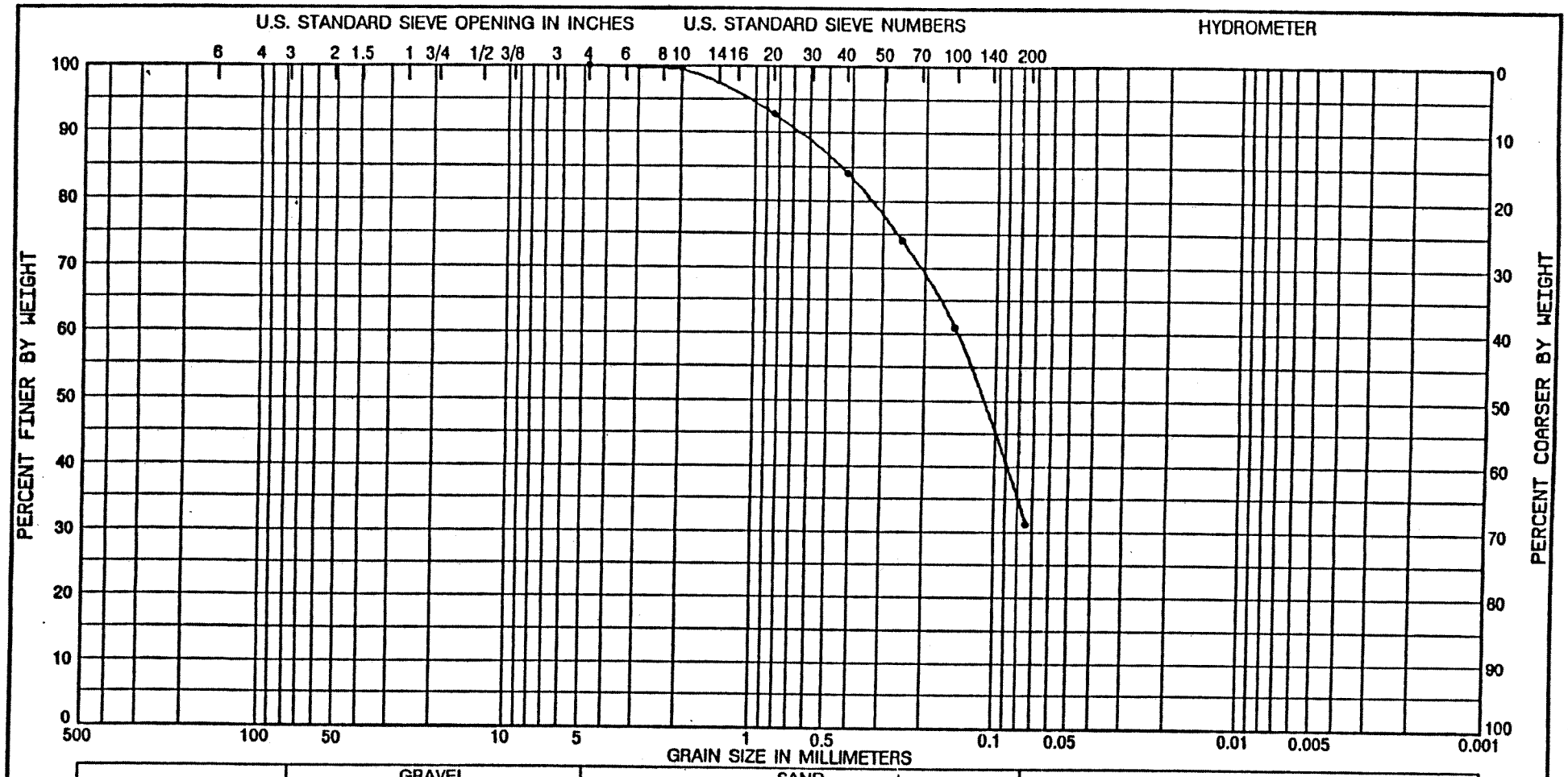
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	53.0-54.5'	Greenish gray inorganic silt high LL (MH), clayey, sandy, with a trace of mica. Specific gravity = 2.74	–	75	45	30

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1870
Boring No. SH-229
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

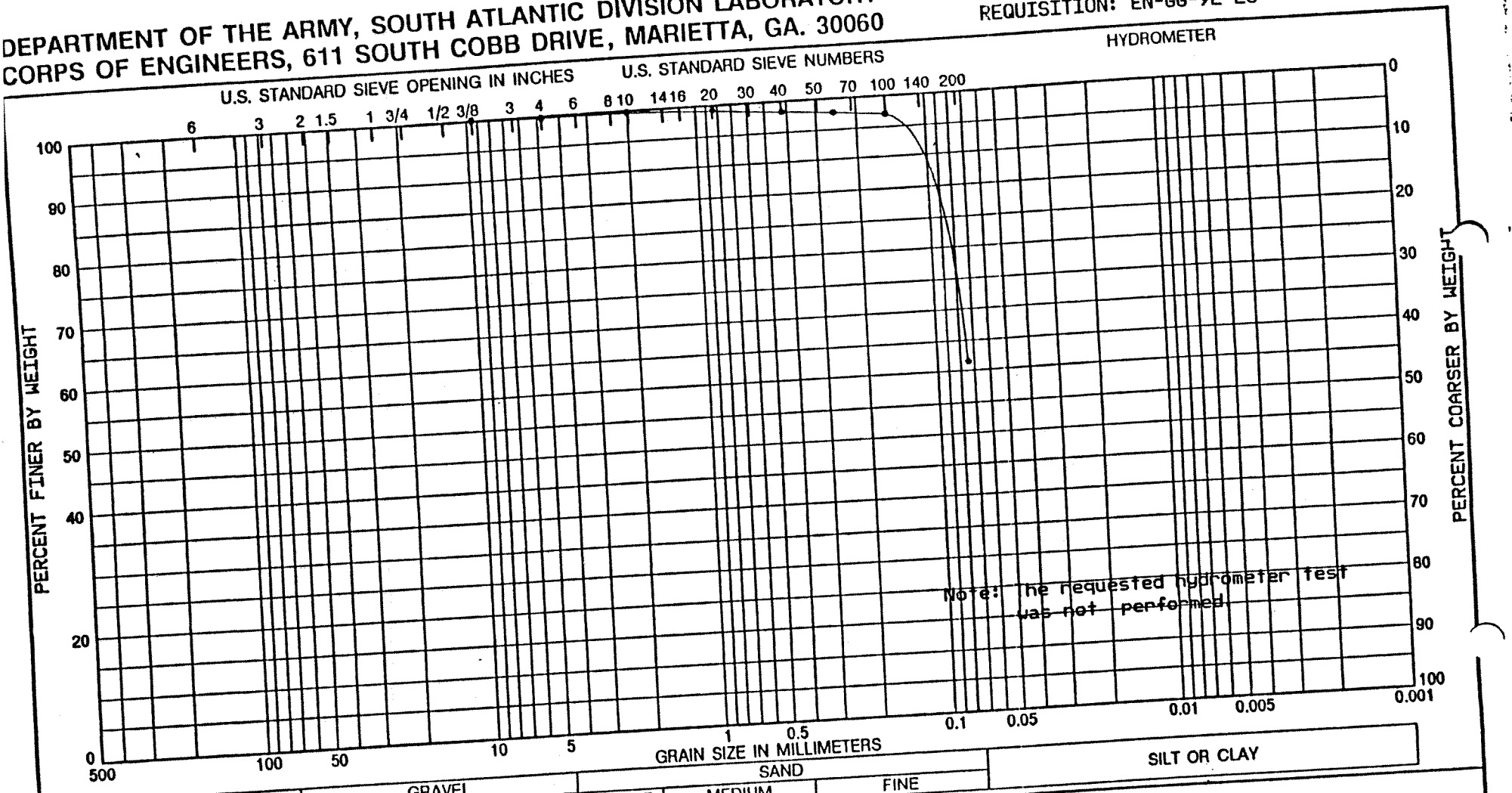
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	45.4-46.9'	Gray silty sand high LL (SM-H), with a trace of shell. Specific gravity = 2.74	–	60	32	28

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1873
Boring No. SH-230
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

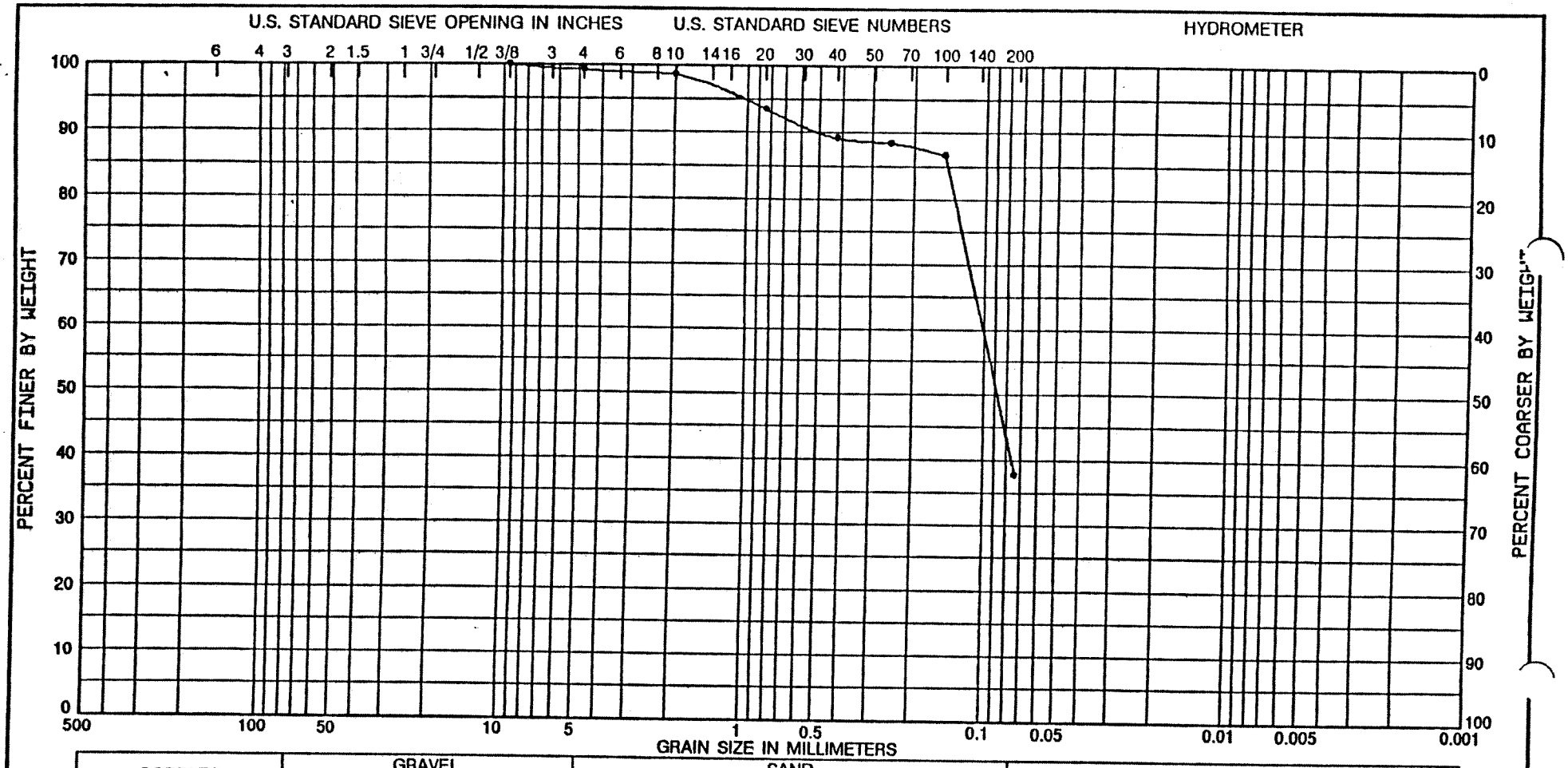
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	42.9-49.5'	Gray inorganic silt high LL (MH), clayey, sandy, with a trace of gravel size shell and with a trace of mica. Specific gravity = 2.74	-	84	47	37

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1401
Boring No. SH-231
Date 02/15/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

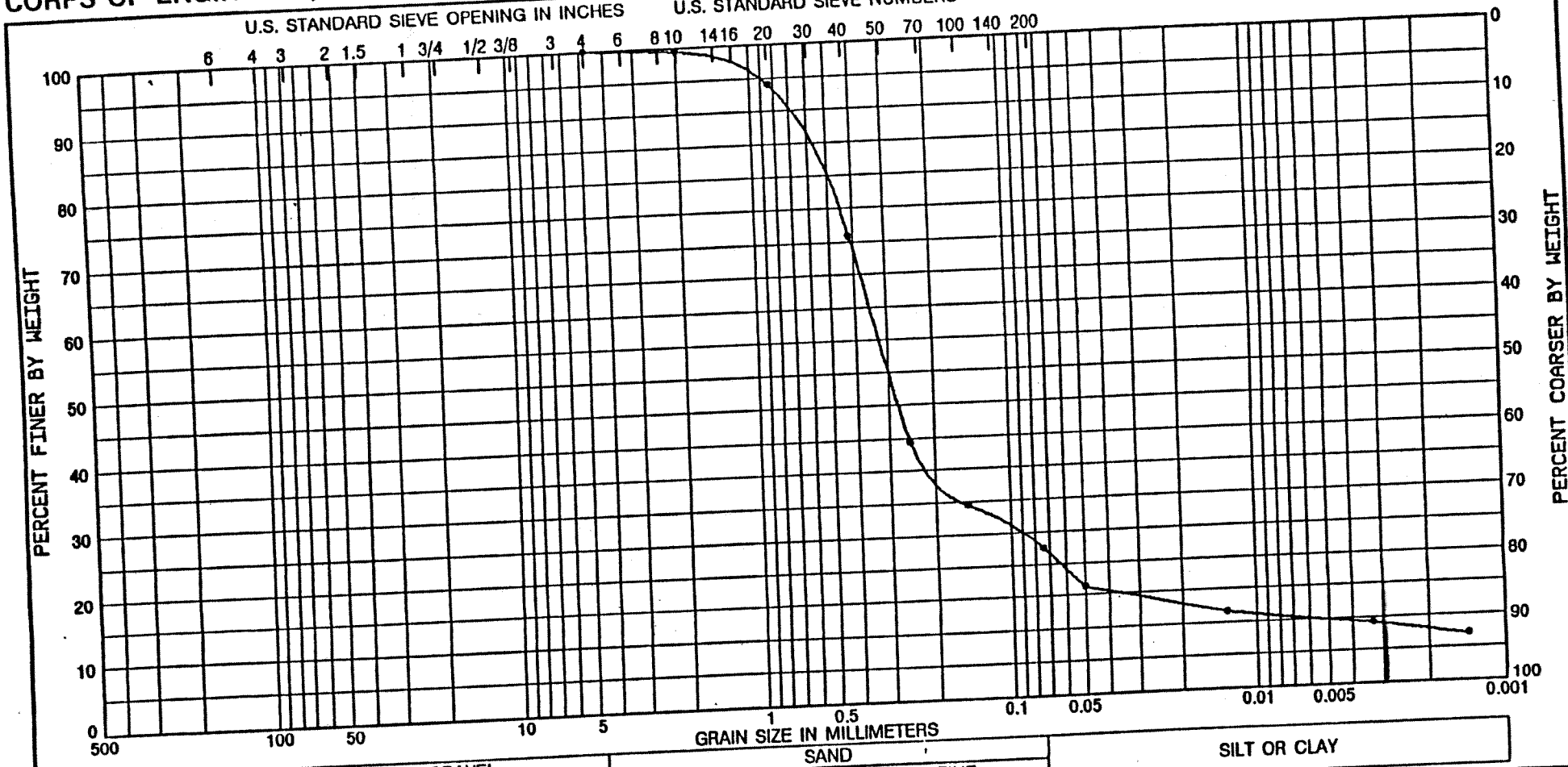
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	54.0-55.5'	Gray silty sand high LL (SM-H), with a trace of mica and gravel size weathered rock fragments. Specific gravity = 2.72	45.7	76	43	33

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1403
Boring No. SH-231
Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

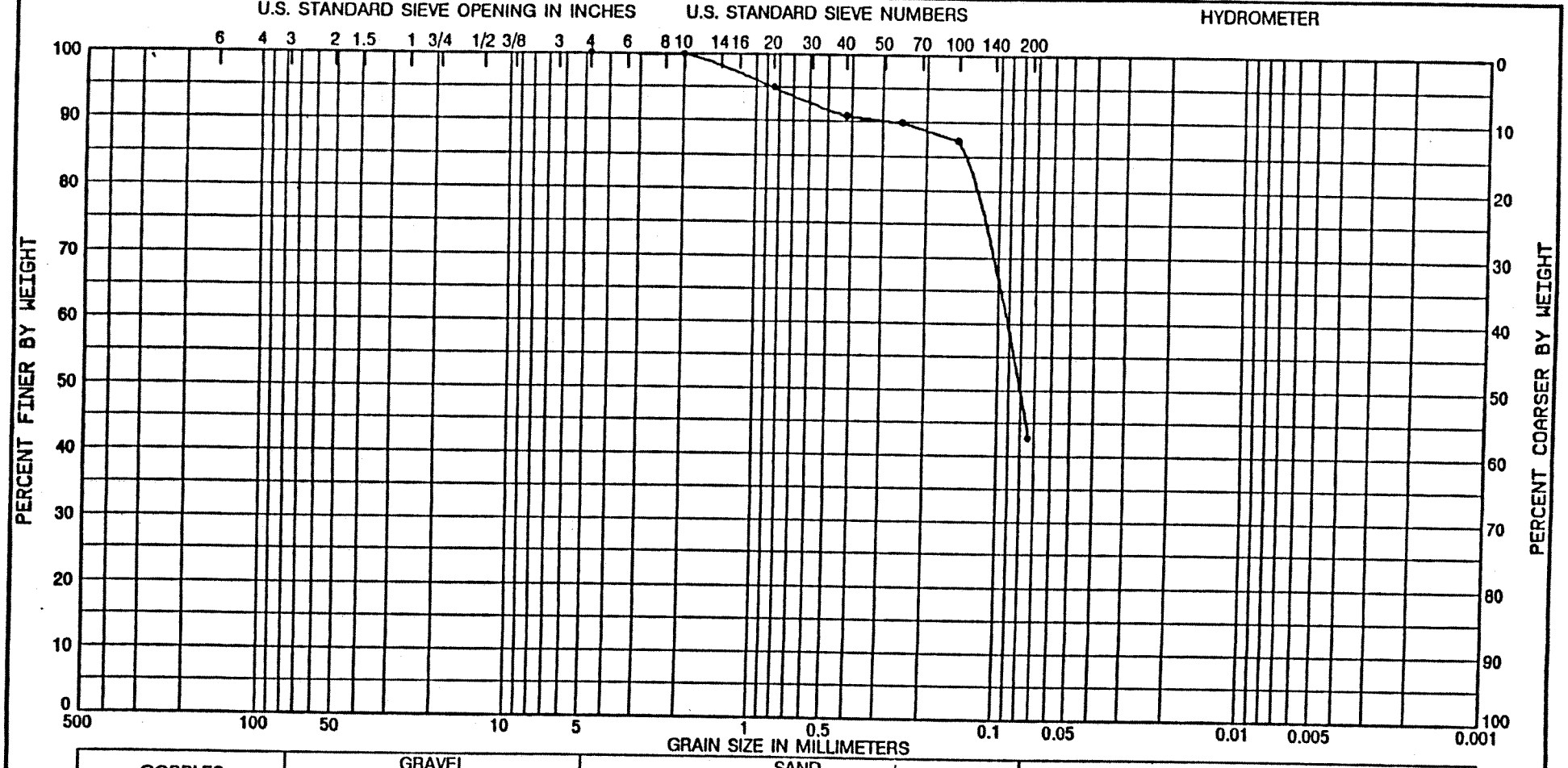
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	44.0-47.7'	Dk. gray clayey sand high LL (SC-H), with a trace of mica. Specific gravity = 2.69	–	57	26	31

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1877
Boring No. SH-233
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

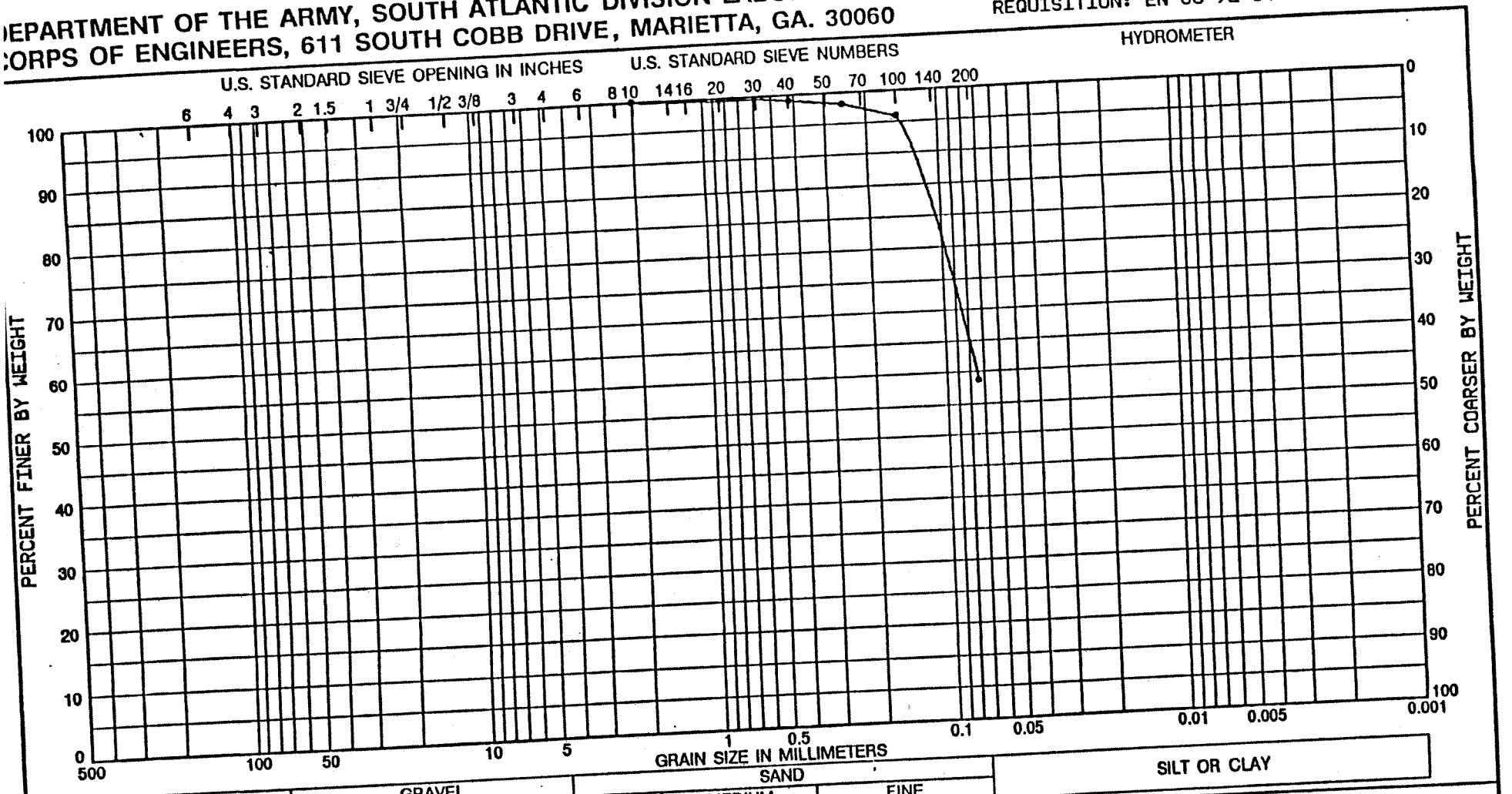
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	50.7-51.9'	Gray silty sand high LL (SM-H).	–	66	42	24
		Specific gravity = 2.76				

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1879
Boring No. SH-233
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



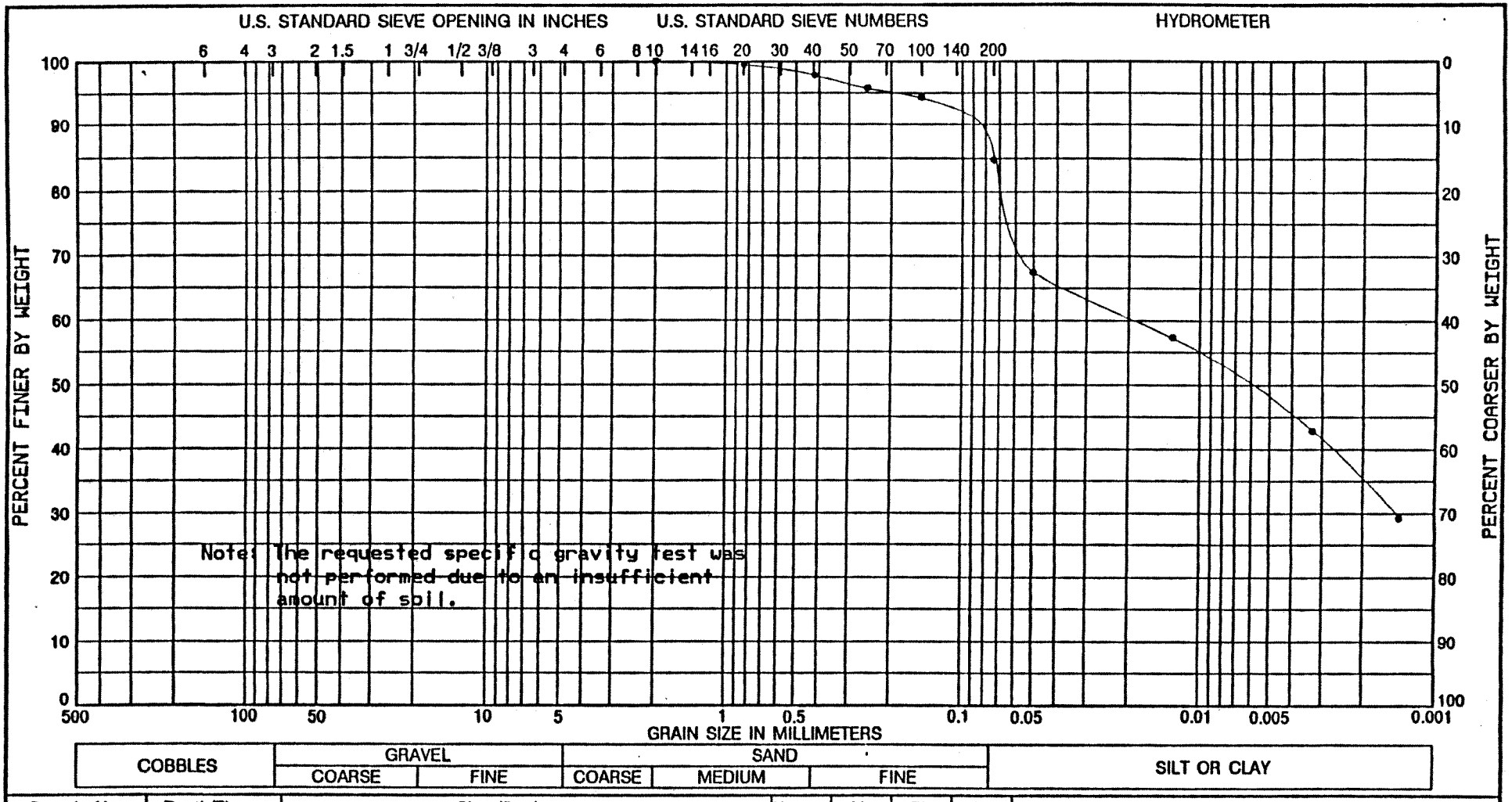
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	46.3-47.8'	Gray inorganic silt high LL (MH), clayey, sandy. Specific gravity = 2.74	–	86	52	34

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1883
Boring No. SH-234
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	44.4-44.9'	Dk. gray fat clay (CH), with a little sand and with a trace of mica and organic matter.	200.0	145	50	95

Project Savannah Harbor

Preliminary Borings

Lab No. 97/1887

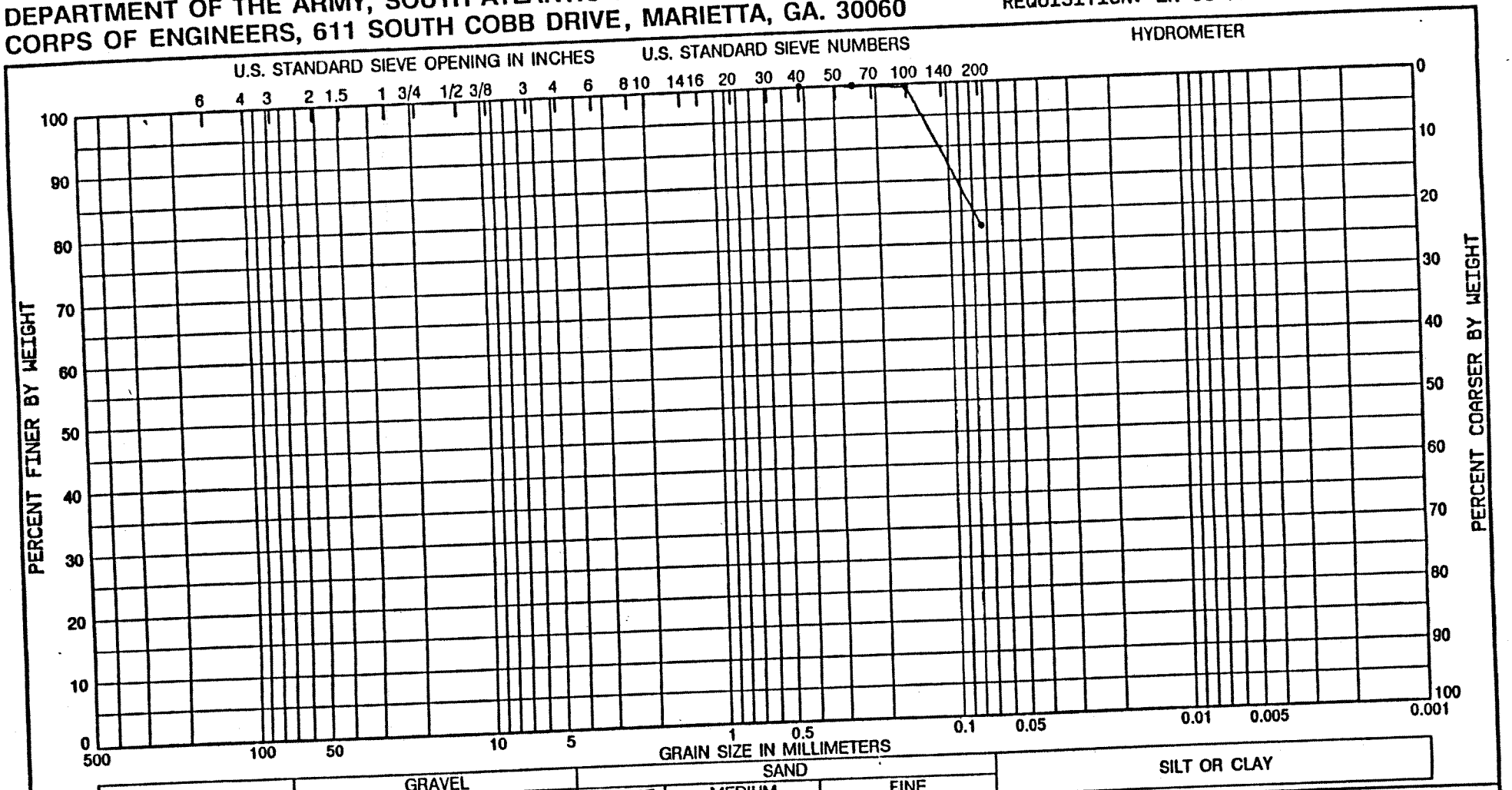
Boring No. SH-235

Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	47.7-49.2'	Greenish gray inorganic silt high LL (MH), with some sand and with a trace of mica. Specific gravity = 2.76	–	115	75	40

Project Savannah Harbor
Preliminary Borings

Lab No. 97/1894

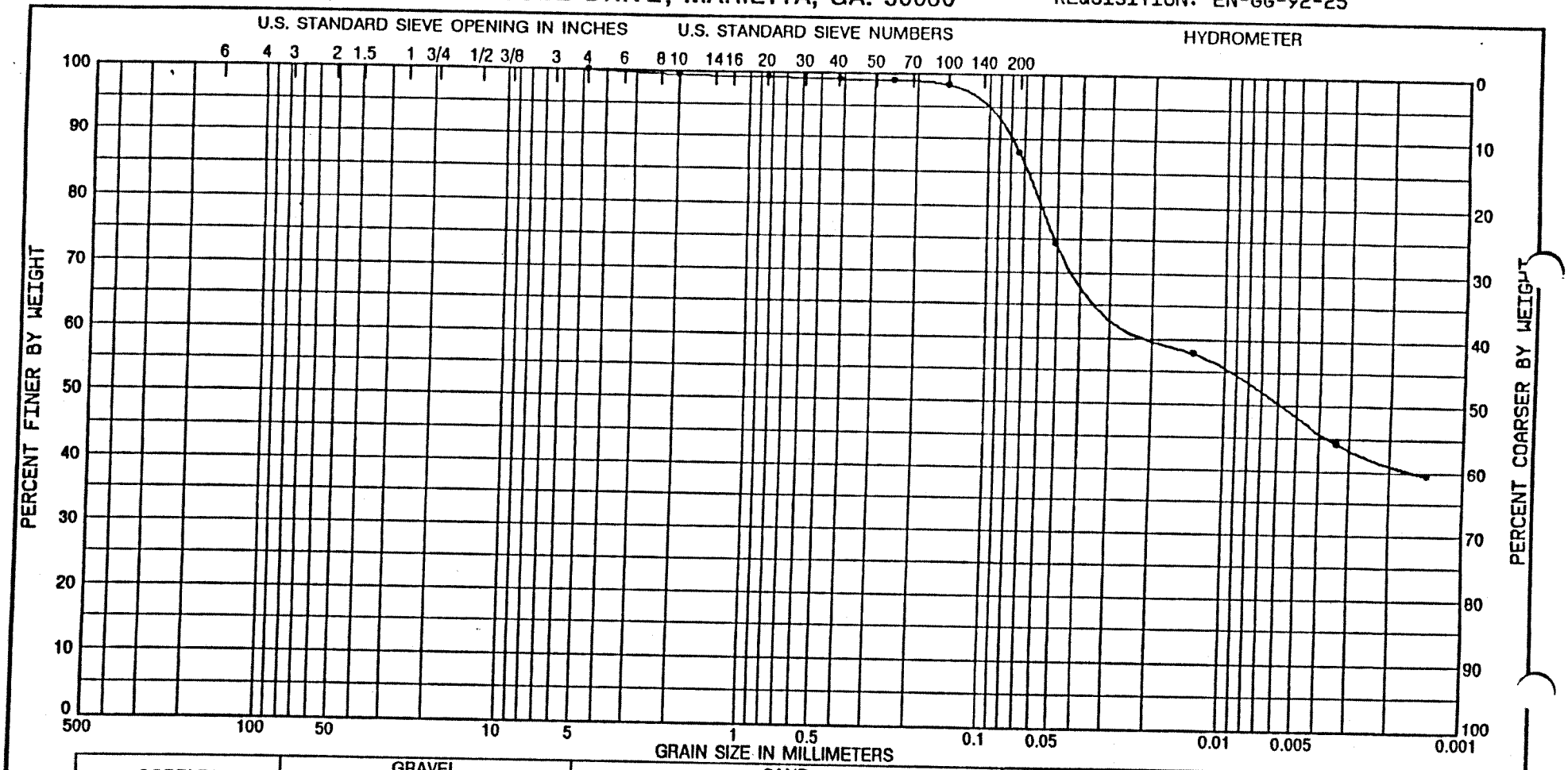
Boring No. SH-237

Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

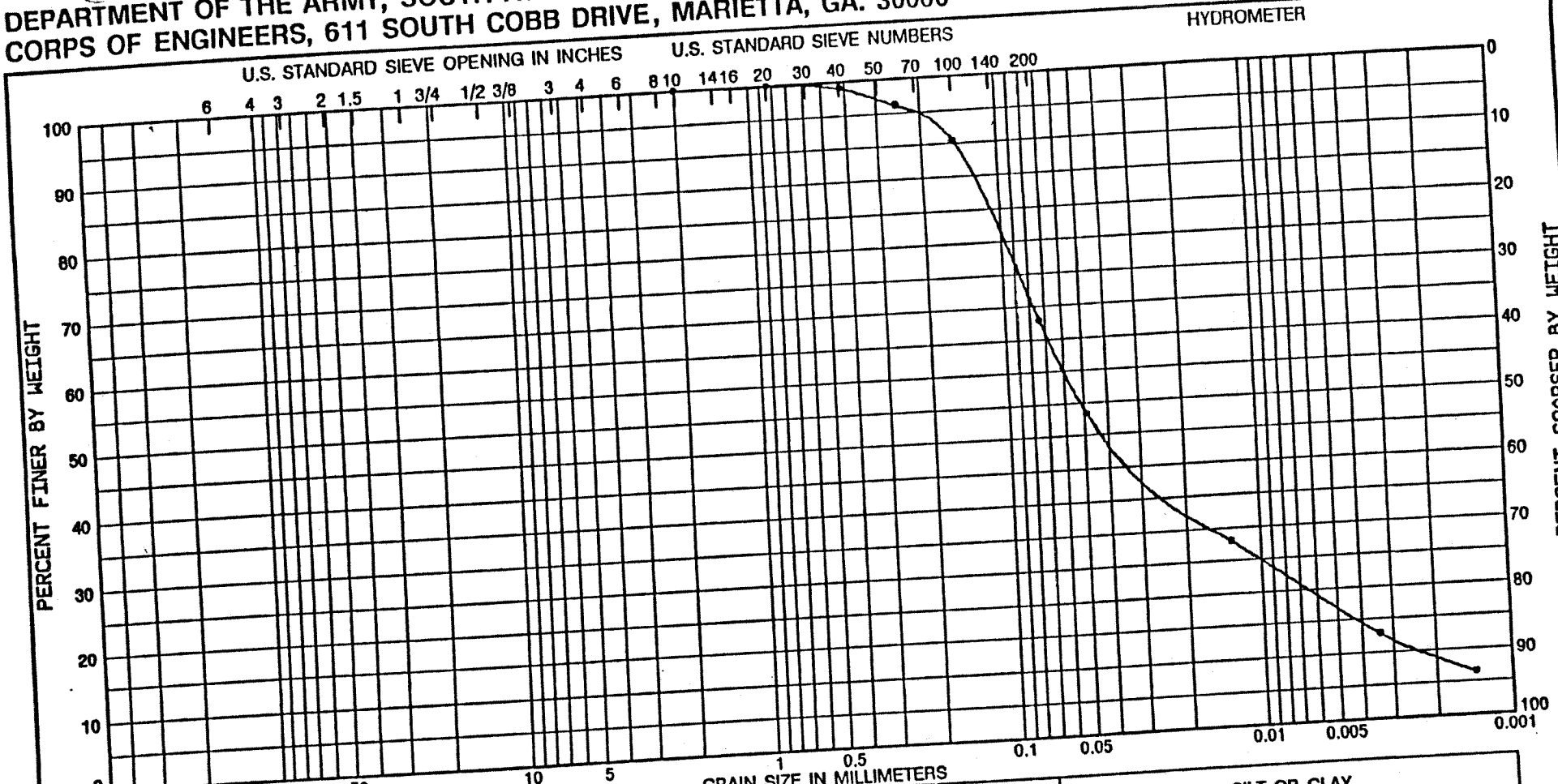
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	42.1-45.8'	Gray fat clay (CH), with a little sand and with a trace of mica and organic matter. Specific gravity = 2.64	-	147	53	94

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1405
Boring No. SH-238
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

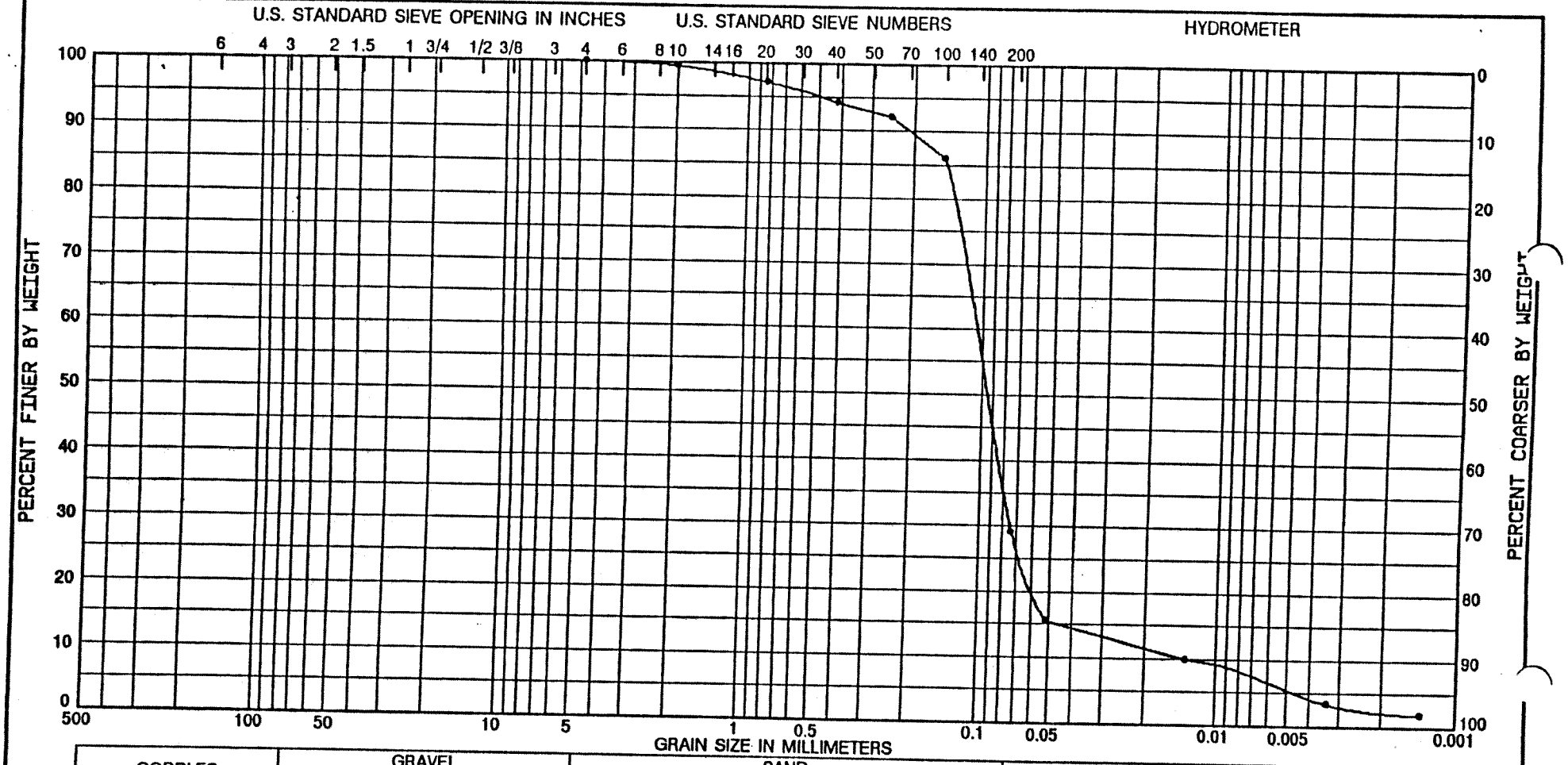
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	50.7-52.2'	Greenish gray inorganic silt high LL (MH), sandy. Specific gravity = 2.61	–	133	87	46

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1896
Boring No. SH-237
Date 06/07/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

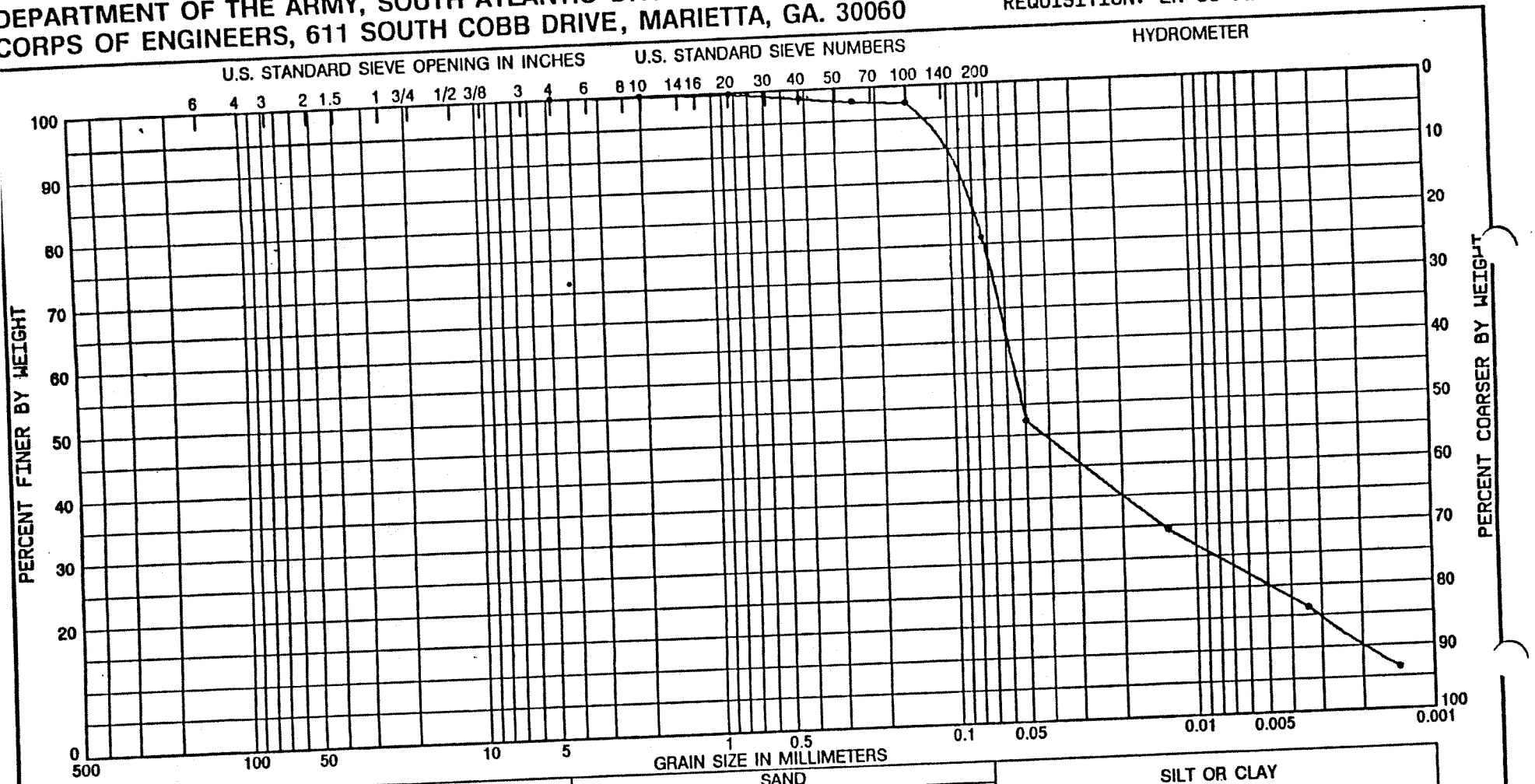
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	45.7-47.2'	Gray silty sand high LL (SM-H), with a trace of mica. Specific gravity = 2.78	-	68	42	26

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1407
Boring No. SH-238
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

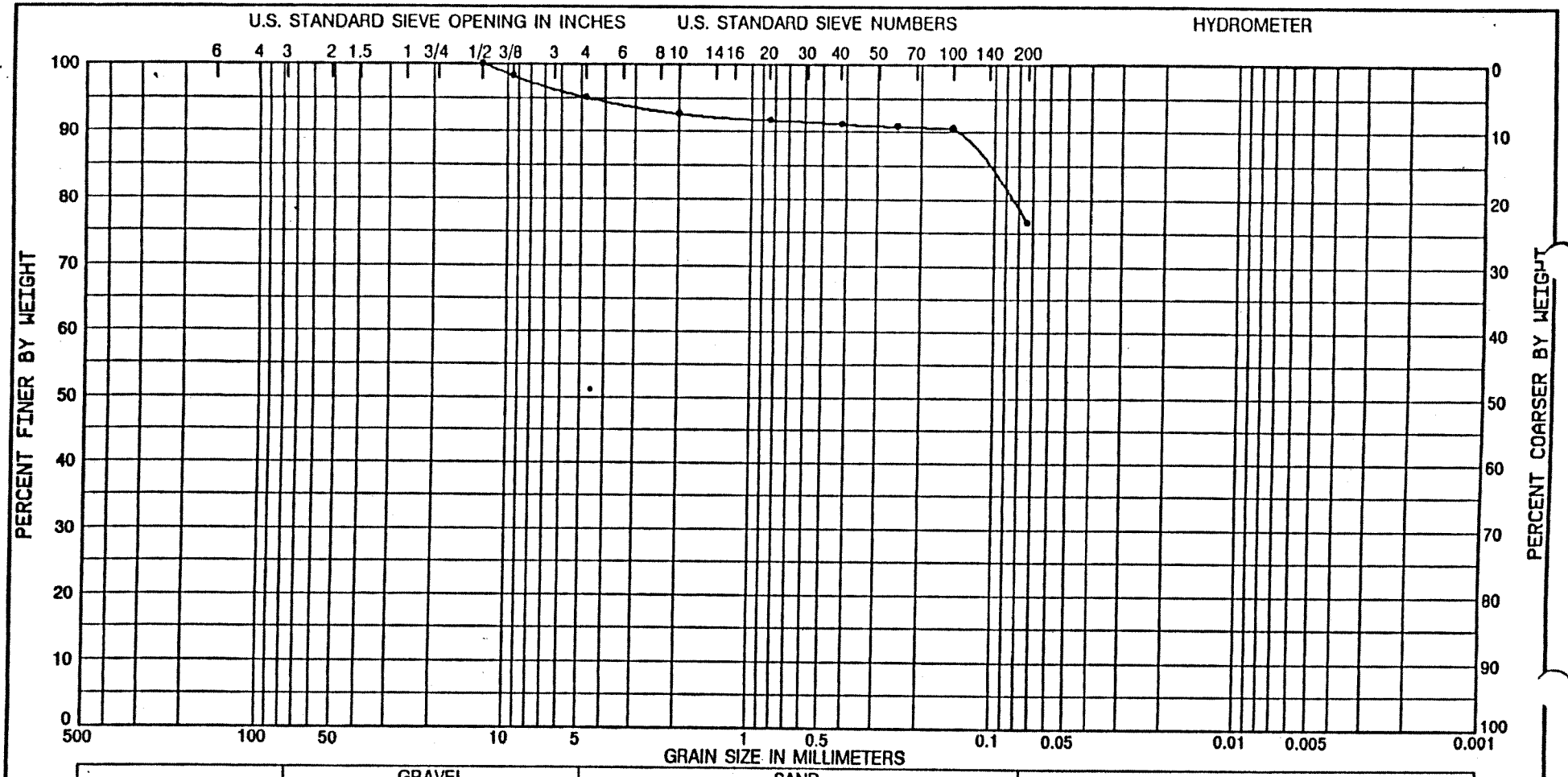
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	42.9-44.5'	Gray inorganic silt high LL (MH), with some sand and with a trace of shell and mica. Specific gravity = 2.73	-	142	84	58

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1411
Boring No. SH-246
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

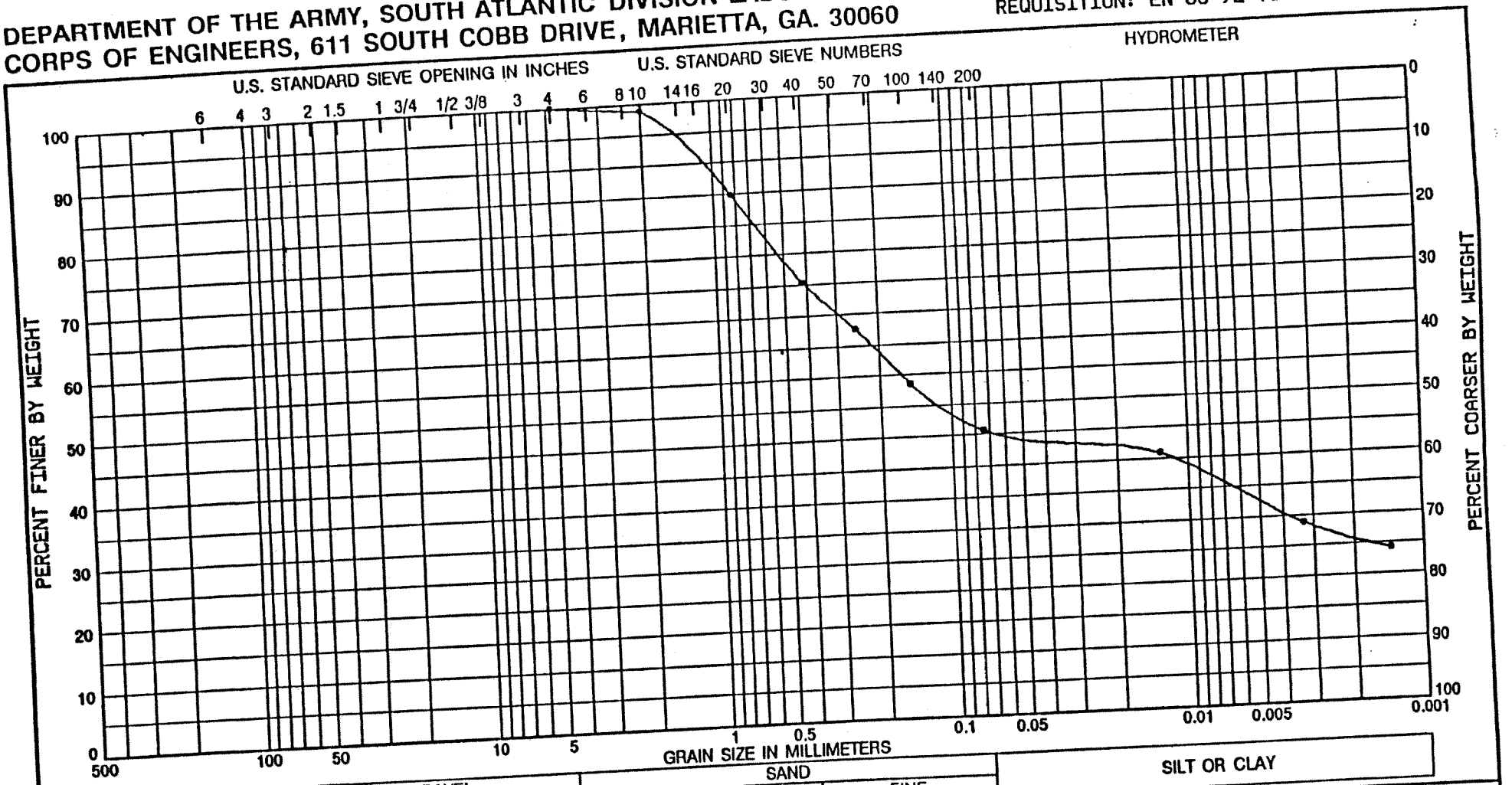
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	53.5-55.0'	Gray inorganic silt high LL (MH), with a little sand and with a trace of mica, shell and gravel size weathered rock fragments. Specific gravity = 2.77	–	134	84	50

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1413
Boring No. SH-246
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

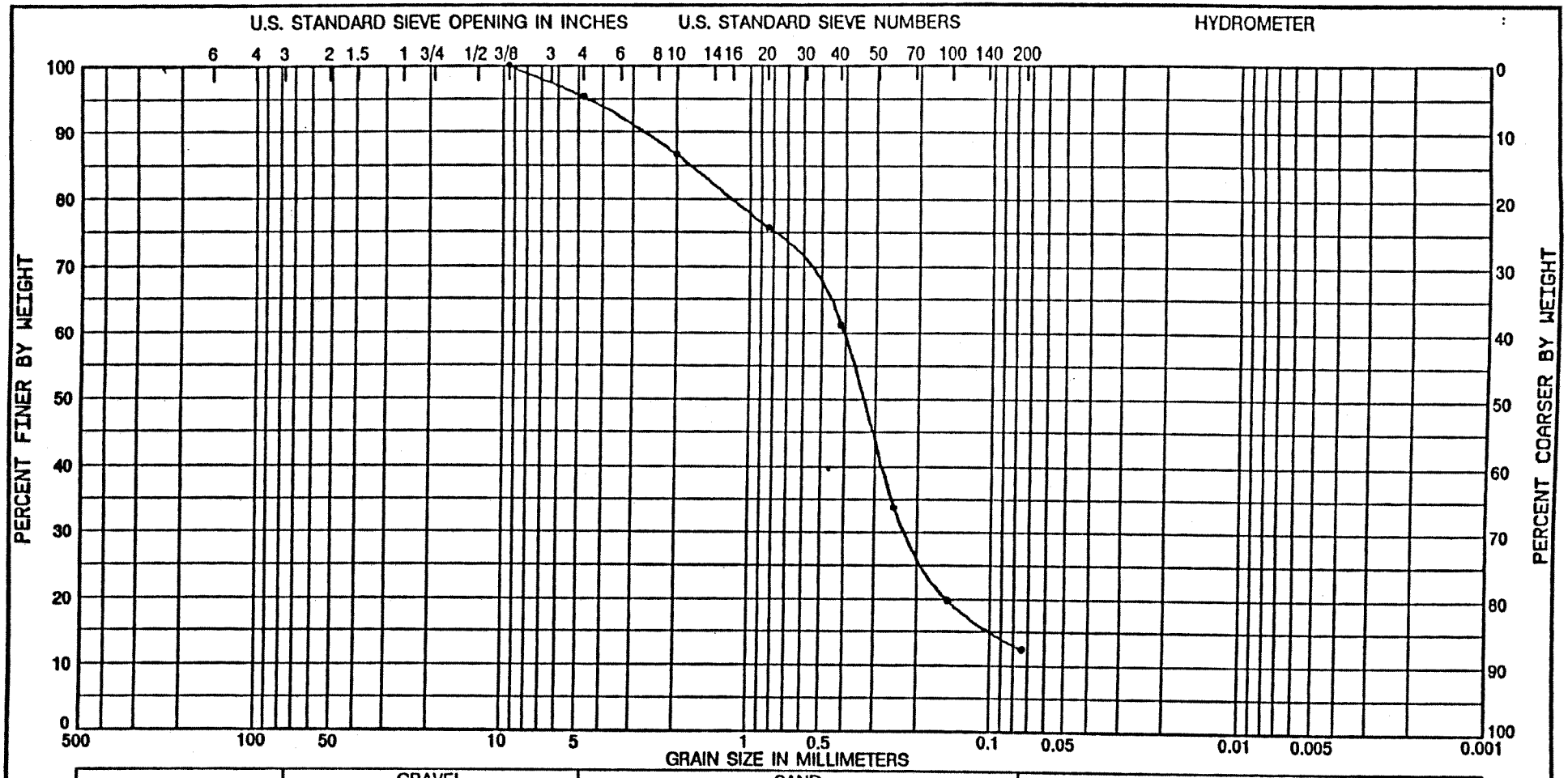
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	45.5-47.5'	Gray clayey sand, high LL (SC-H), with a trace of mica and a trace of organic matter.	140.0	118	43	75

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1977
Boring No. SH249
Date 06/16/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

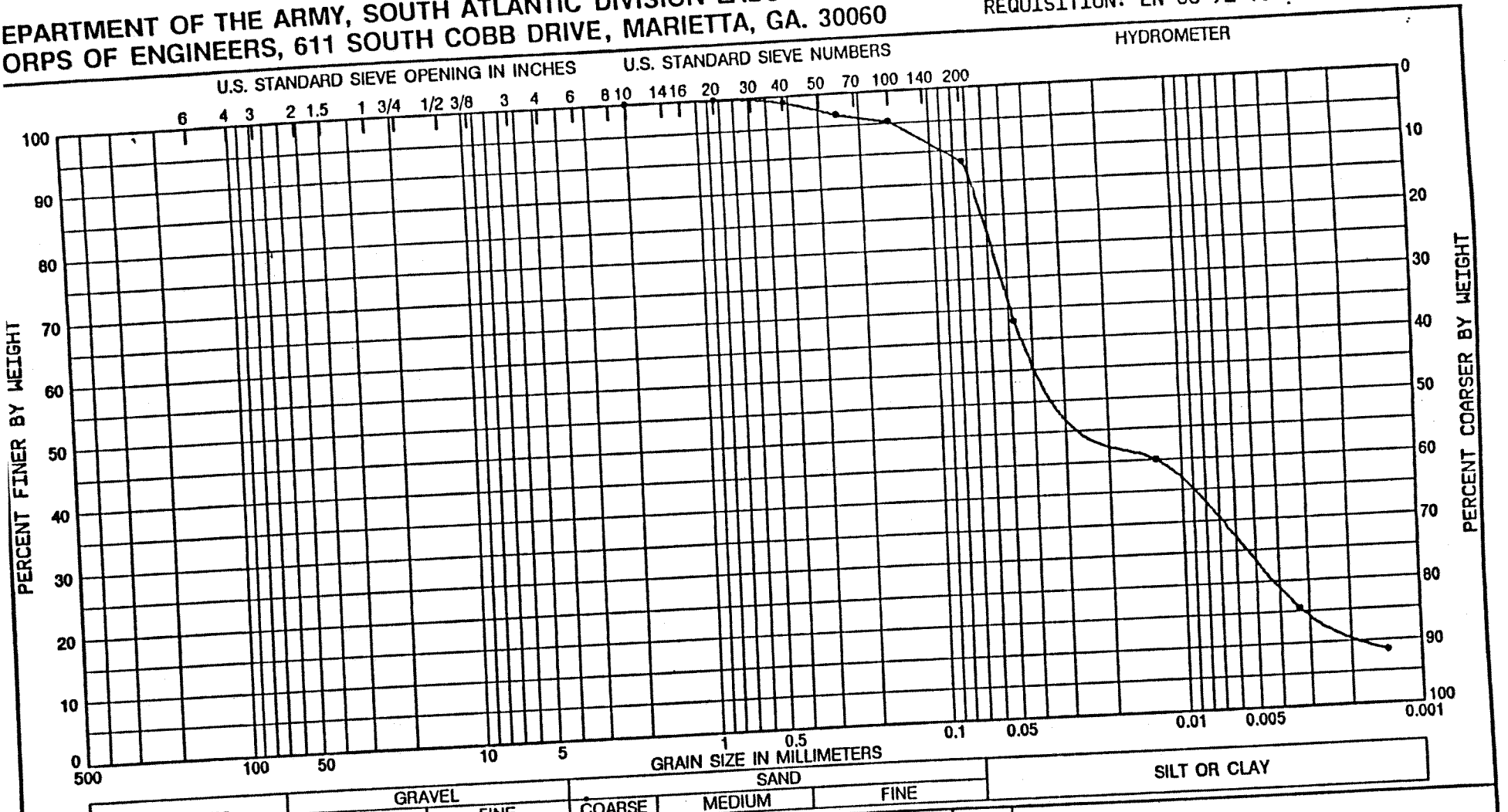
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	50.5-52.0'	Gray clayey sand (SC), with a trace of gravel size weathered rock fragments and a trace of mica.	--	34	18	16

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1979
Boring No. SH249
Date 06/16/92

GRADATION CURVES

EPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
ORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6667
REQUISITION: EN-GG-92-78



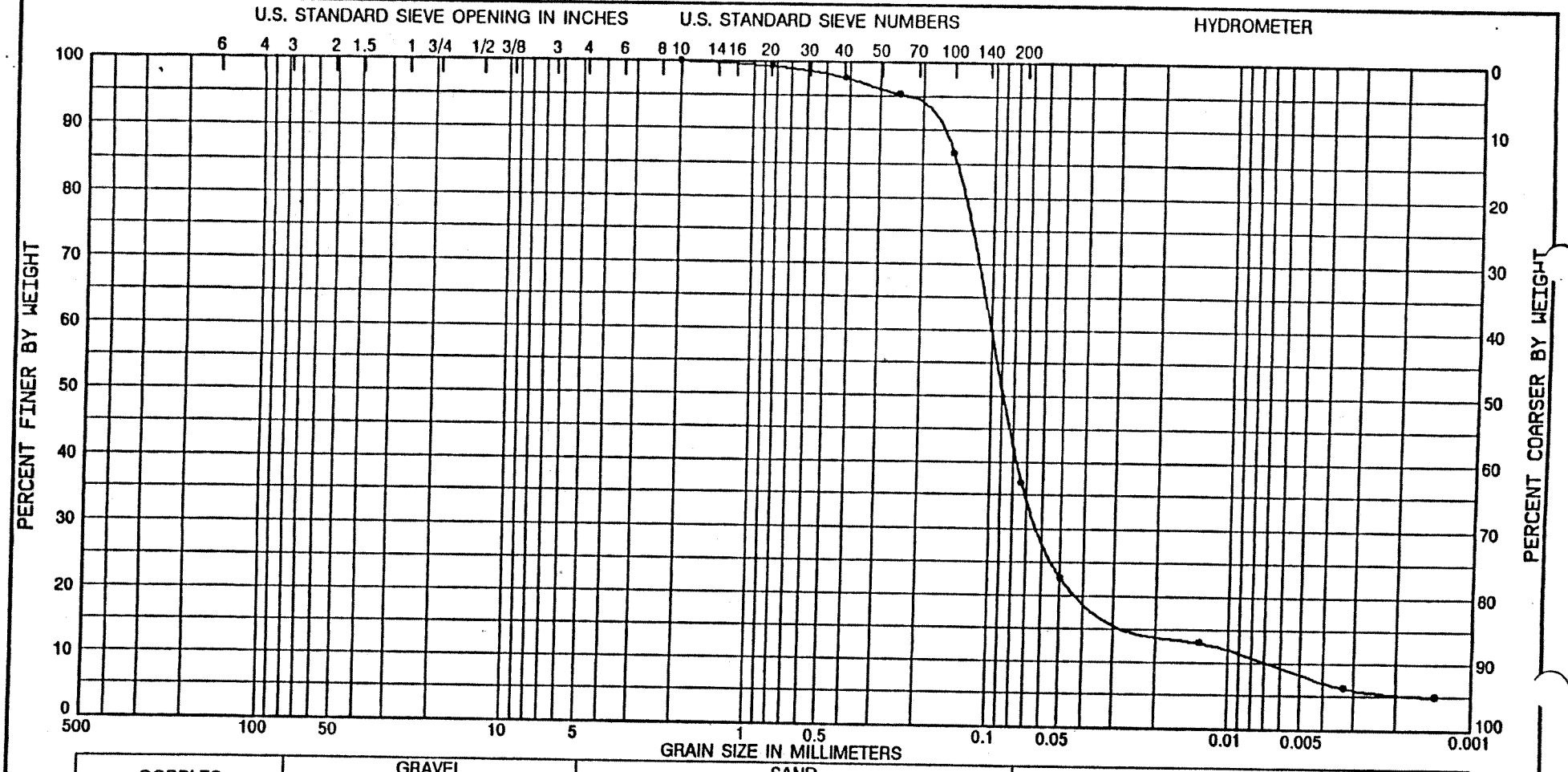
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	52.0-53.5'	Gray inorganic silt, high LL (MH), clayey with a little sand and a trace of mica.	112.5	167	78	89

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1980
Boring No. SH249
Date 06/16/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

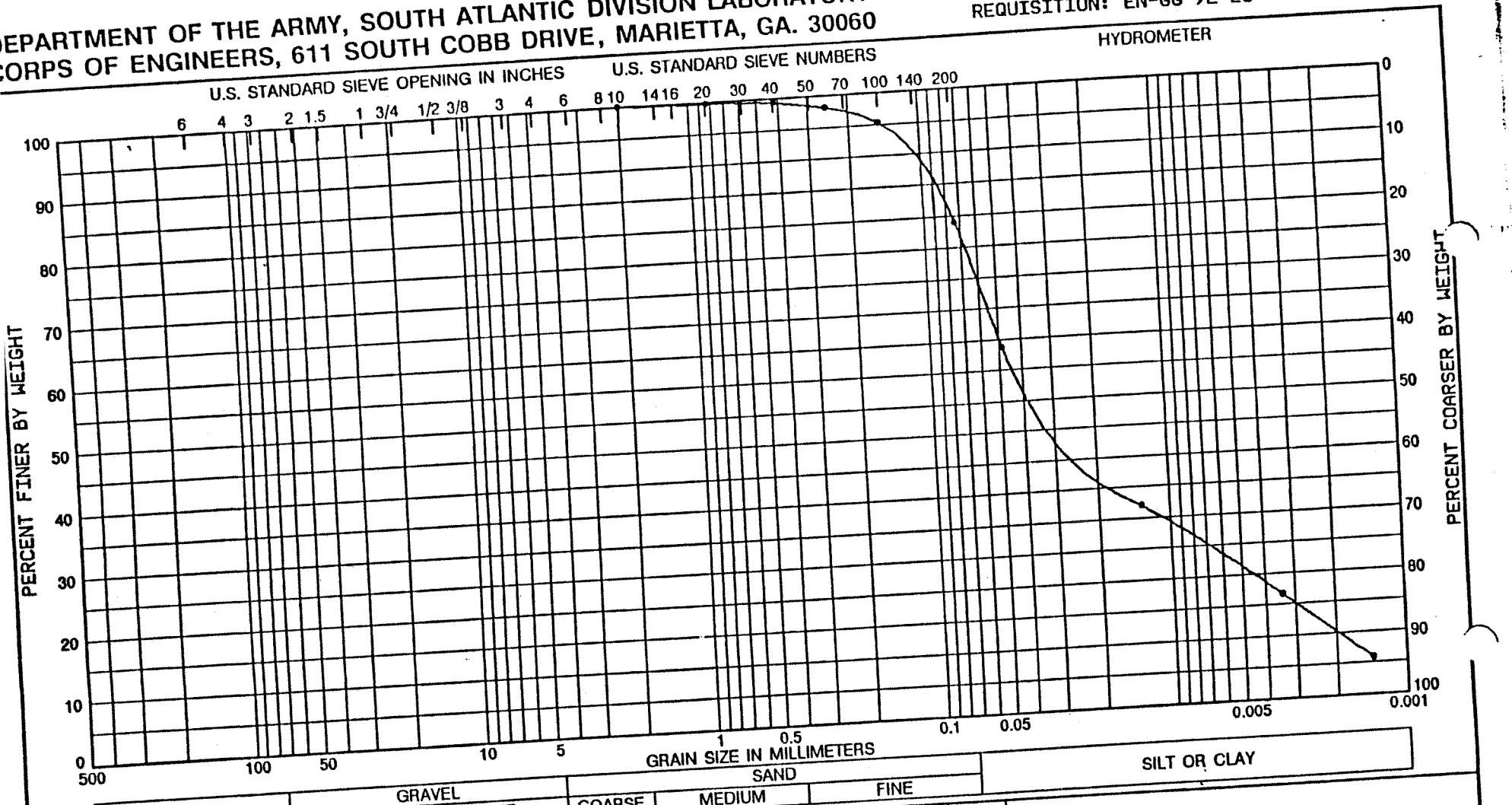
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	45.2-46.5'	Gray silty sand high LL (SM-H), with a trace of mica and organic matter. Specific gravity = 2.83.	-	78	44	34

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1415
Boring No. SH-253
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



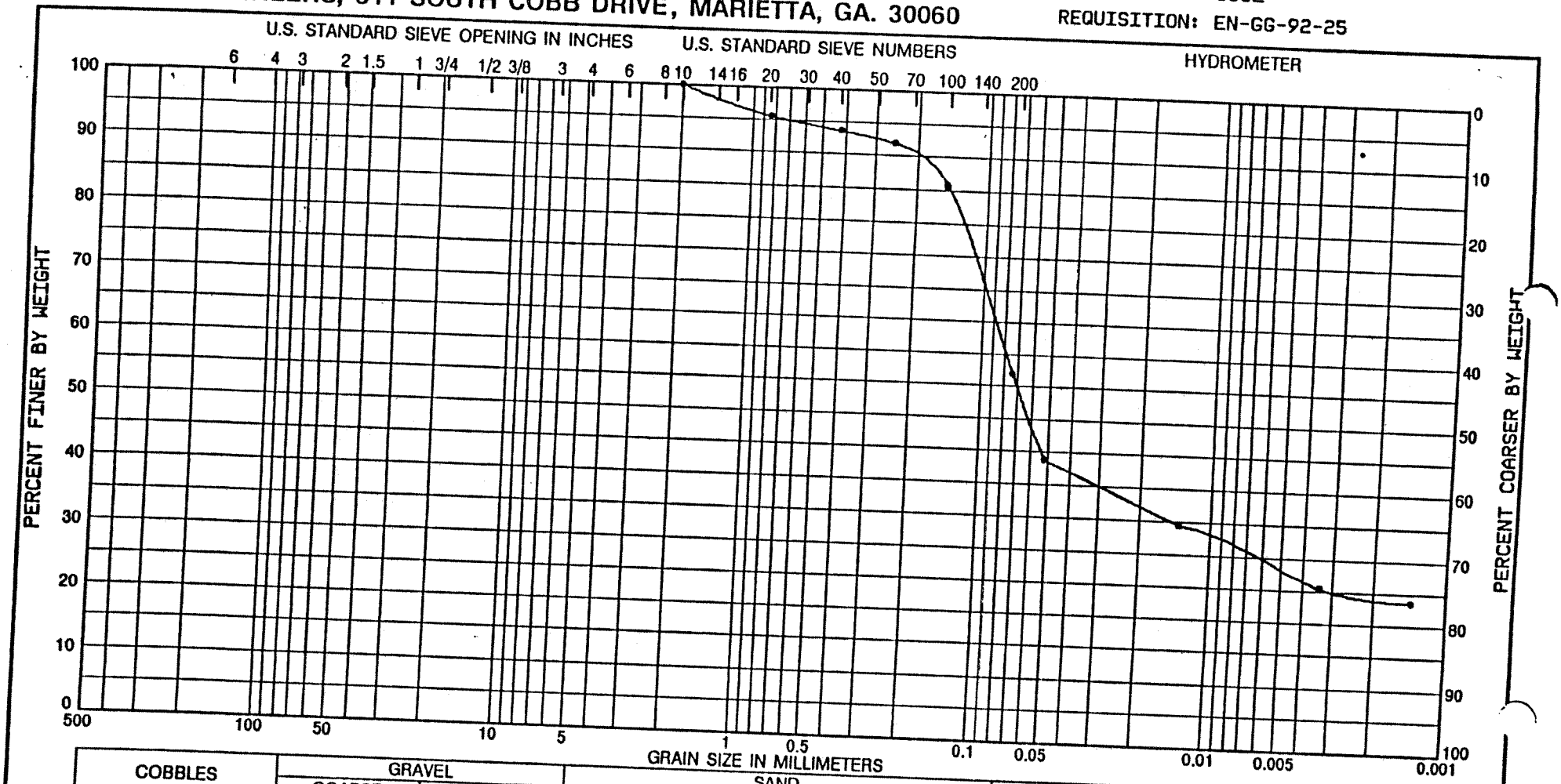
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	54.0-55.5'	Gray inorganic silt high LL (MH), with some sand and with a trace of organic matter and mica. Specific gravity = 2.76	118.2	170	108	62

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1417
Boring No. SH-253
Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

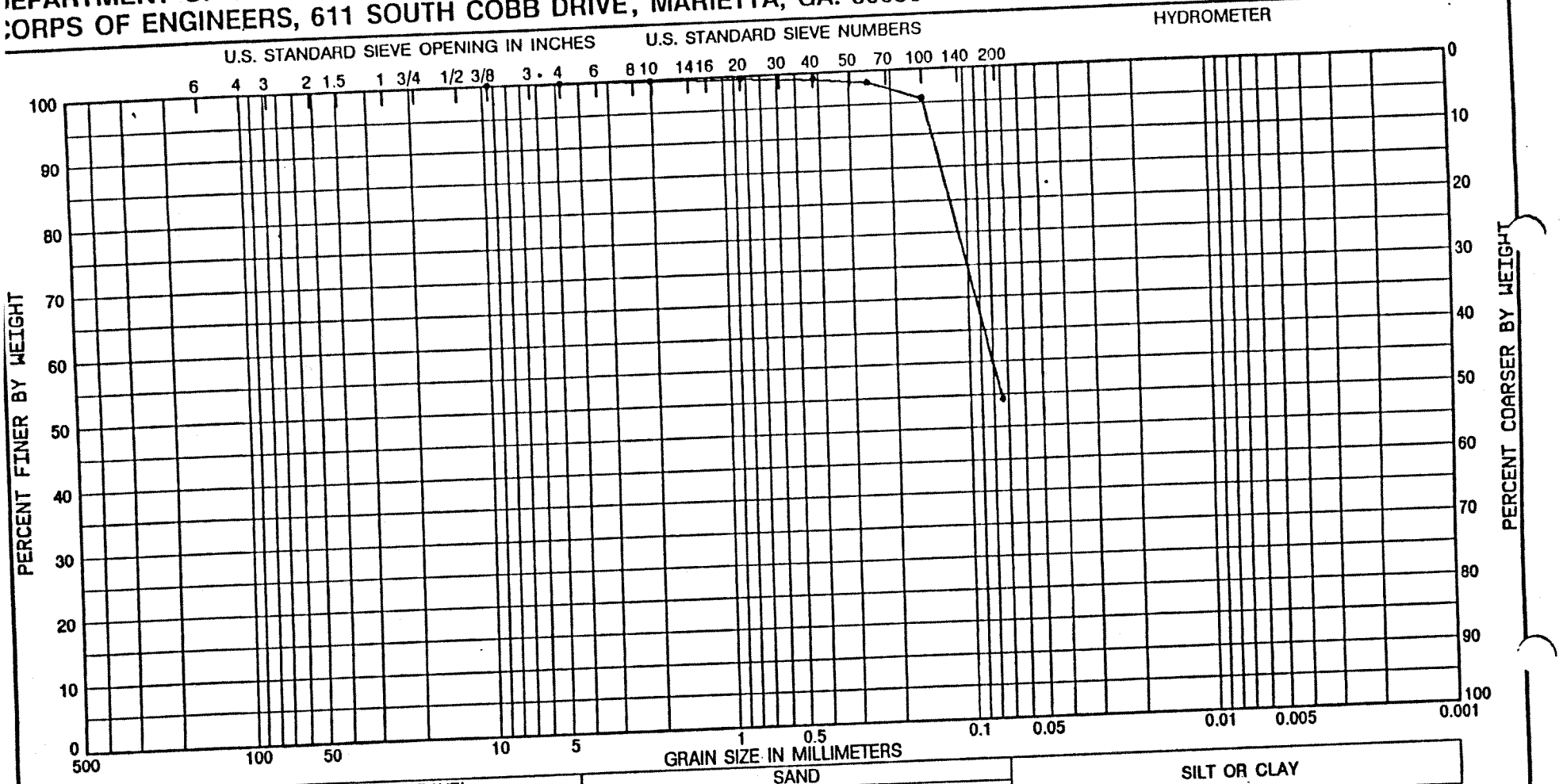
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	39.9-46.1'	Gray fat clay (CH), sandy, with a trace of mica and organic matter. Specific gravity = 2.67	-	86	36	50

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1419
Boring No. SH-260
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

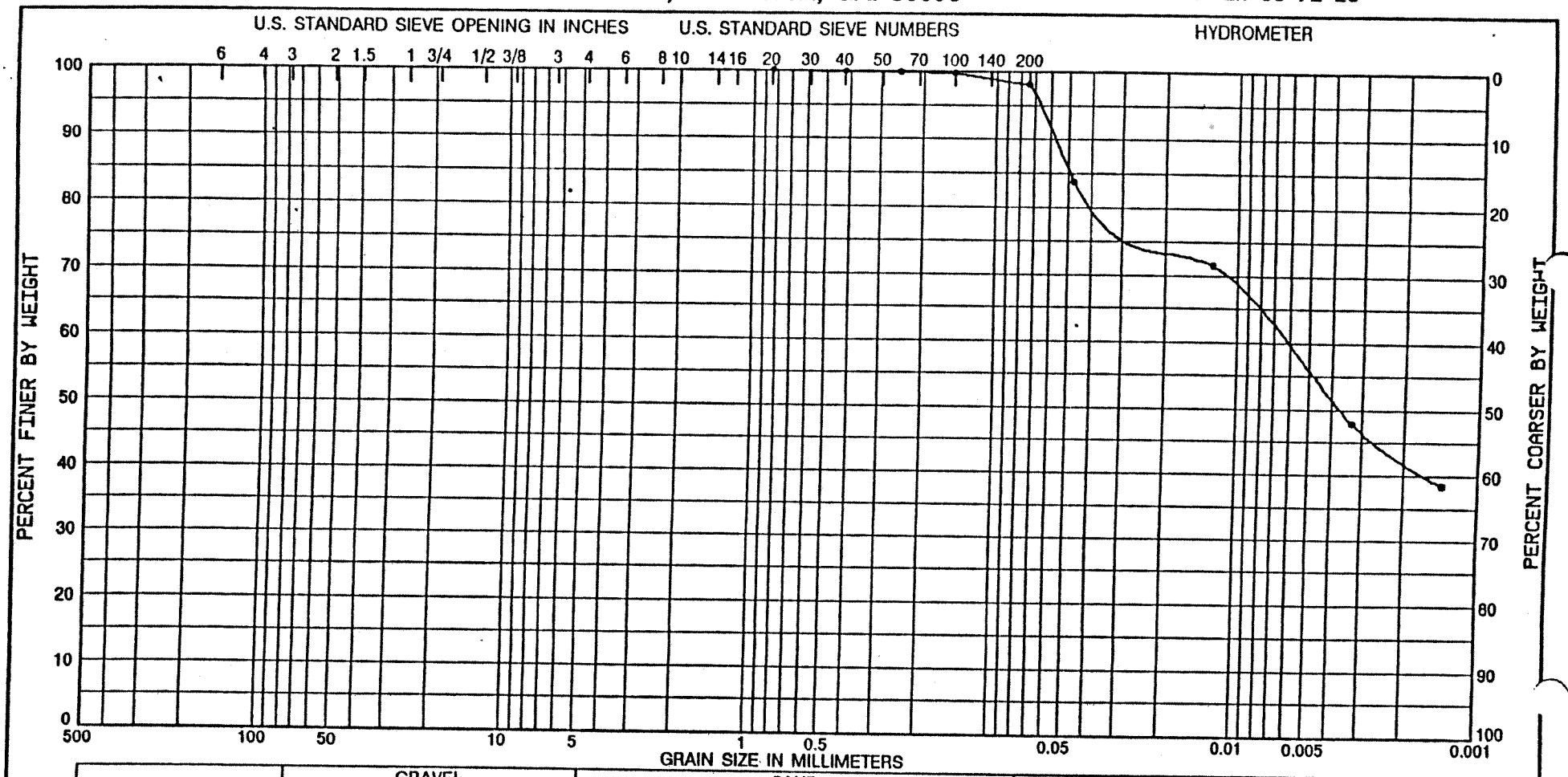
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	46.6-48.1'	Gray silty sand high LL (SM-H), with a trace of mica, roots and shell. Specific gravity = 2.71	–	114	53	61

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1421
Boring No. SH-260
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

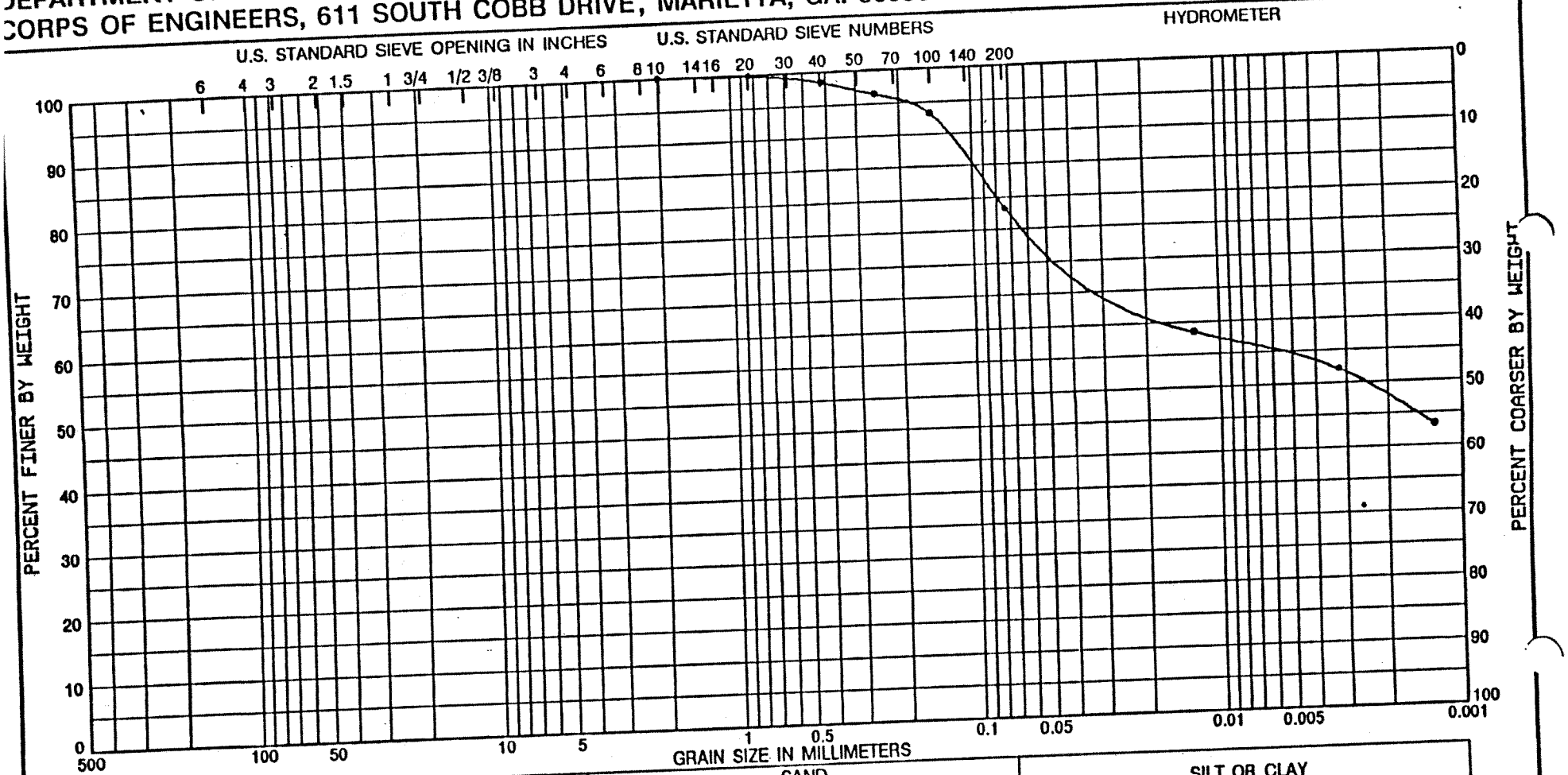
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
6	57.1-58.6'	Gray inorganic silt high LL (MH), clayey, with a trace of sand and mica. Specific gravity = 2.60	–	173	81	92

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1424
Boring No. SH-260
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

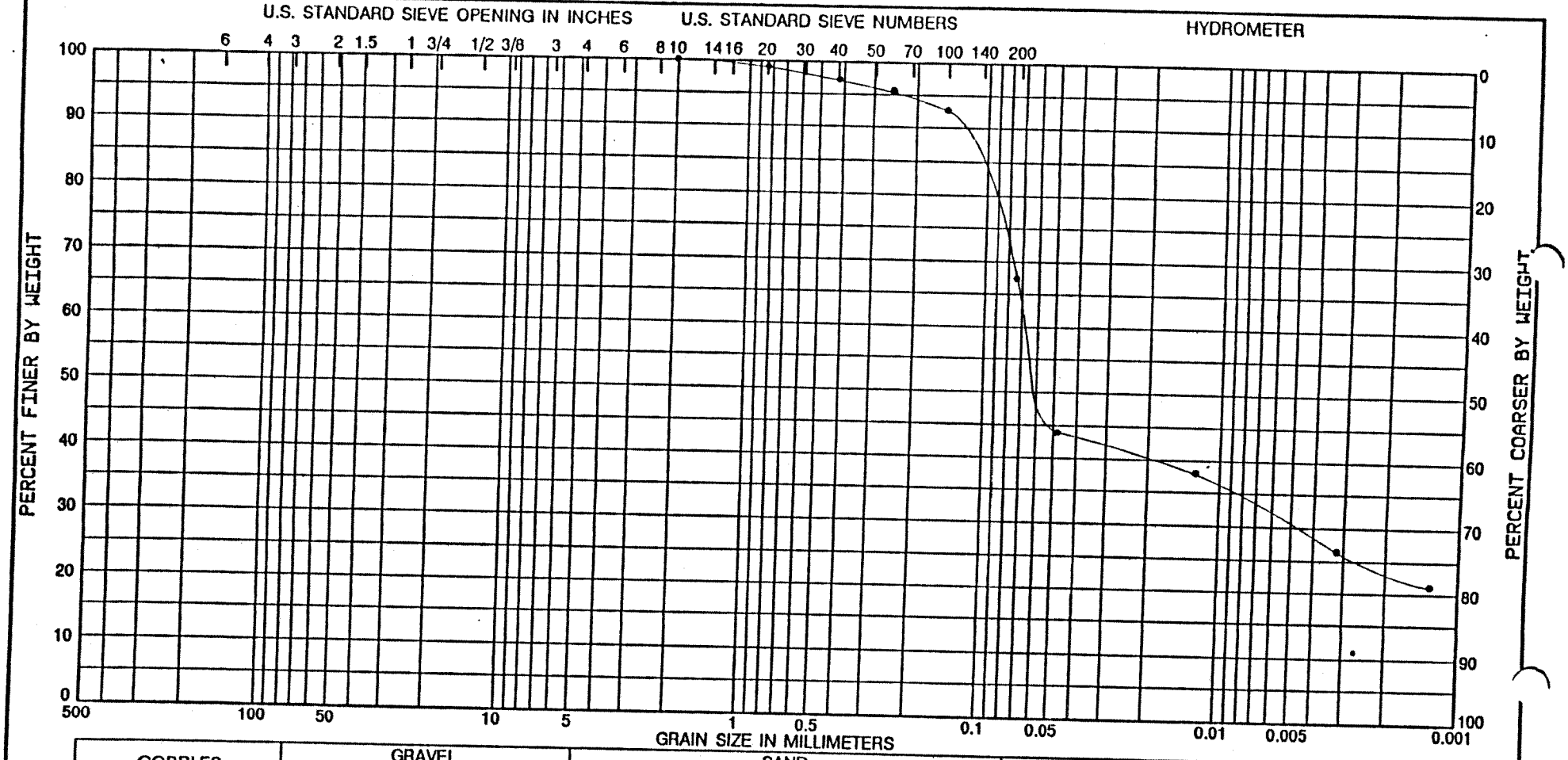
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	38.8-47.2'	Dk. gray fat clay (CH), slightly organic, with some sand and with a trace of mica. Specific gravity = 2.61	–	136	47	89

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1729
Boring No. SH-266
Date 05/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	52.3-53.8'	Dk. gray fat clay (CH), with some sand.	76.5	122	46	76
		Specific gravity = 2.72				

Project Savannah Harbor

Preliminary Borings

Lab No. 97/1735

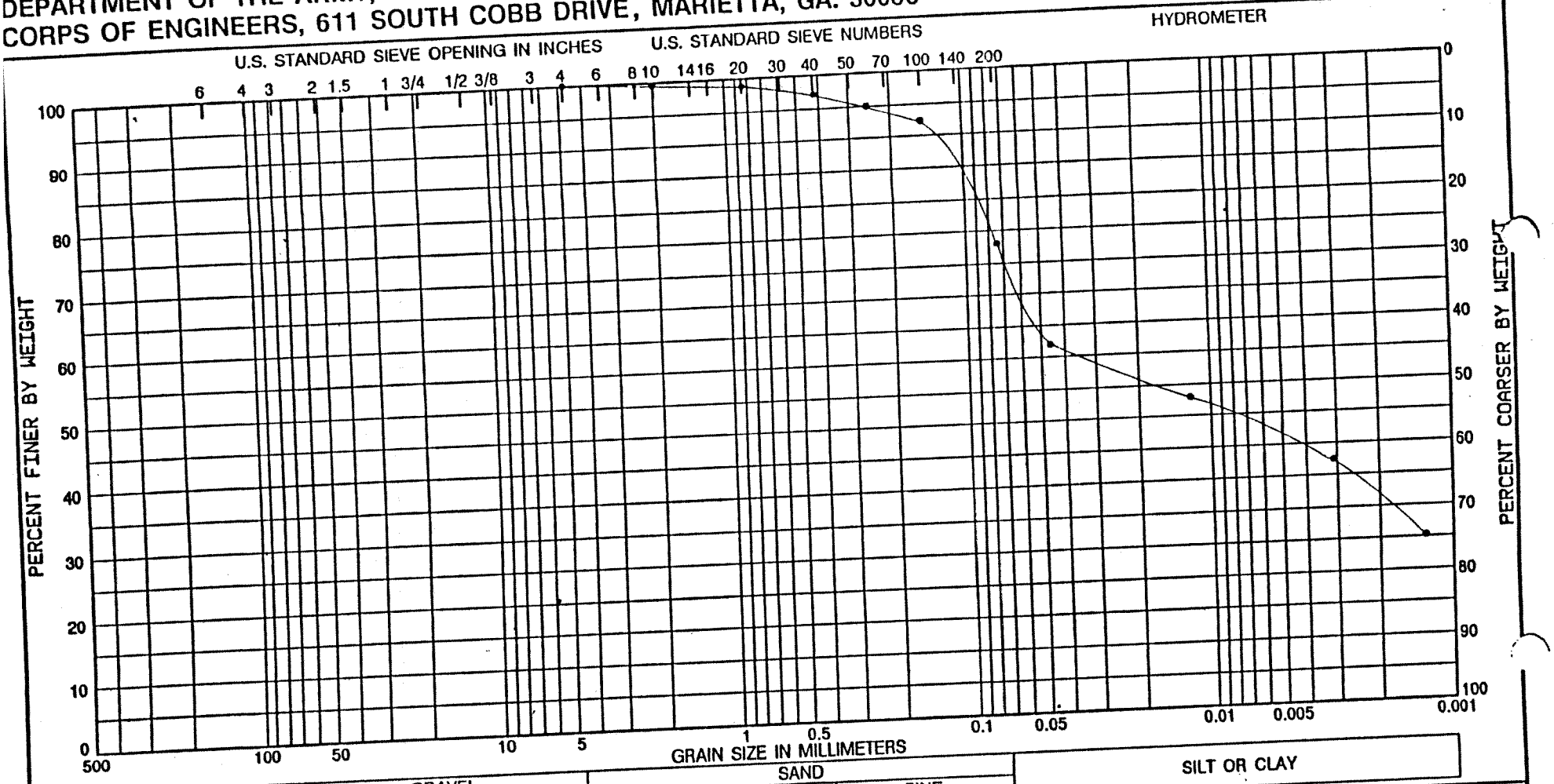
Boring No. SH-266

Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

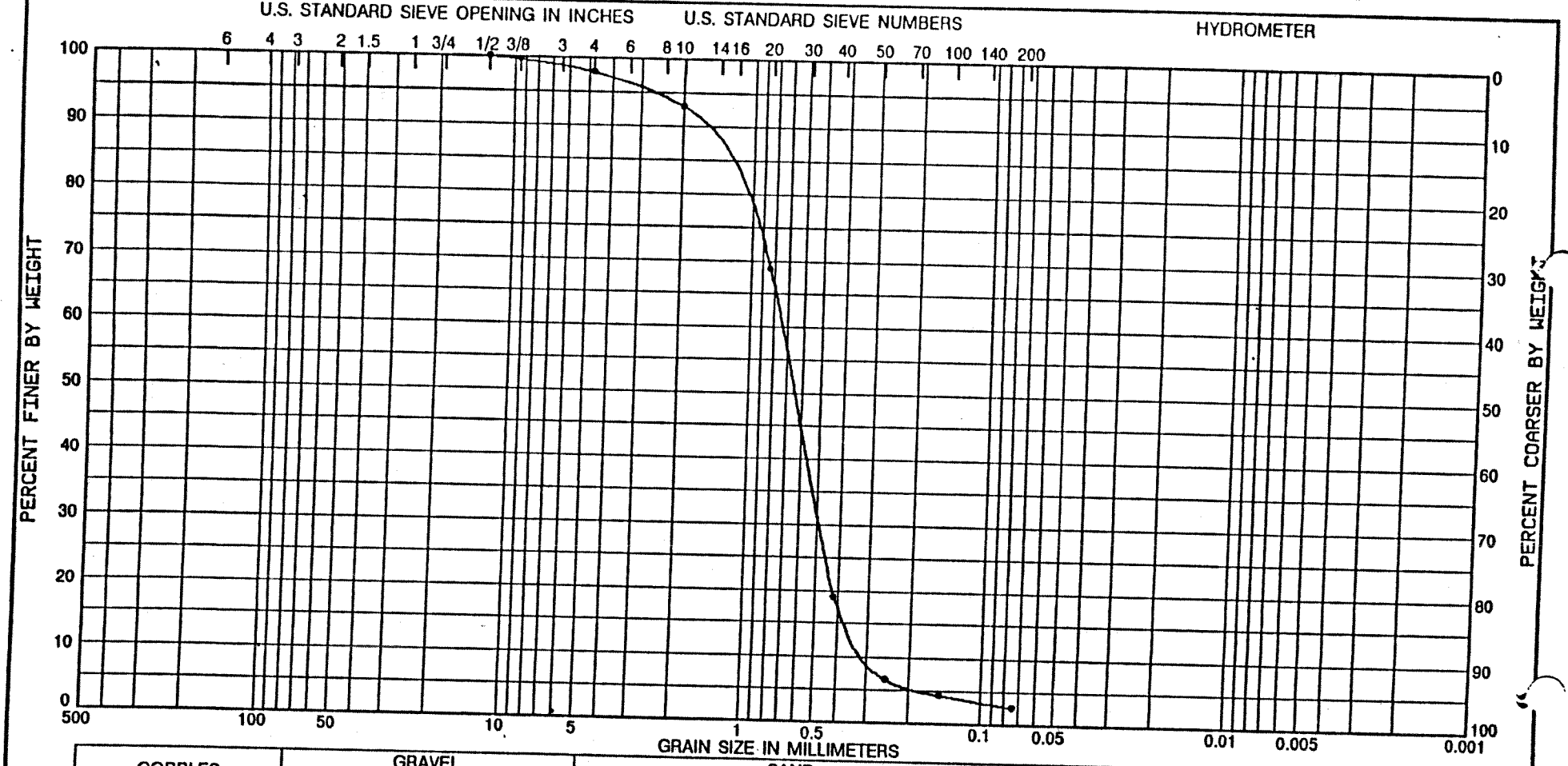
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	46.7-47.6'	Greenish gray fat clay (CH), with some sand. Specific gravity = 2.72	83.6	147	46	101

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1736
Boring No. SH-267
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

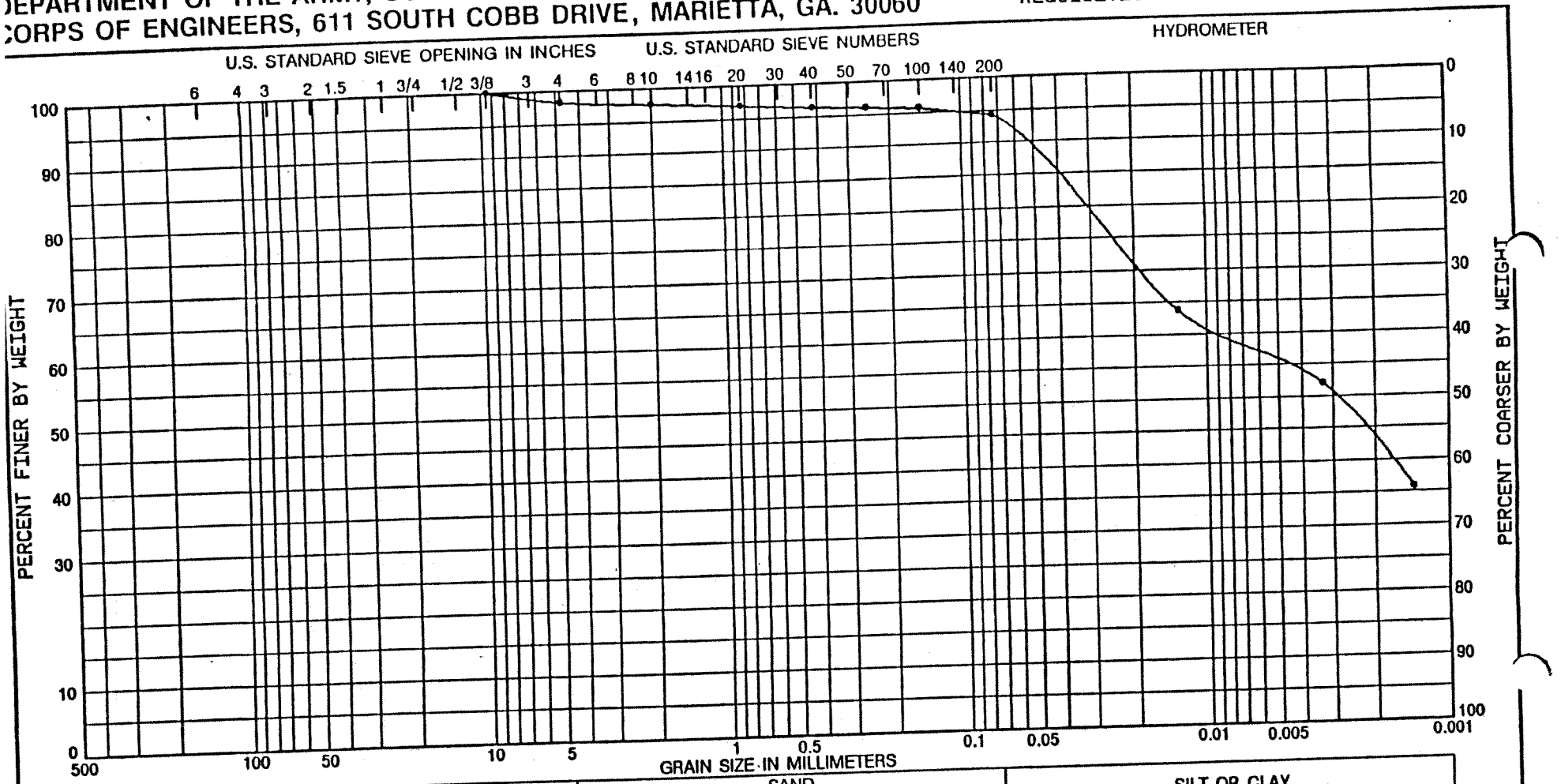
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.0-44.5'	Tannish gray poorly graded sand (SP), with a trace of gravel size weathered rock fragments and with a trace of mica. Specific gravity = 2.71	-	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1426
Boring No. SH-268
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

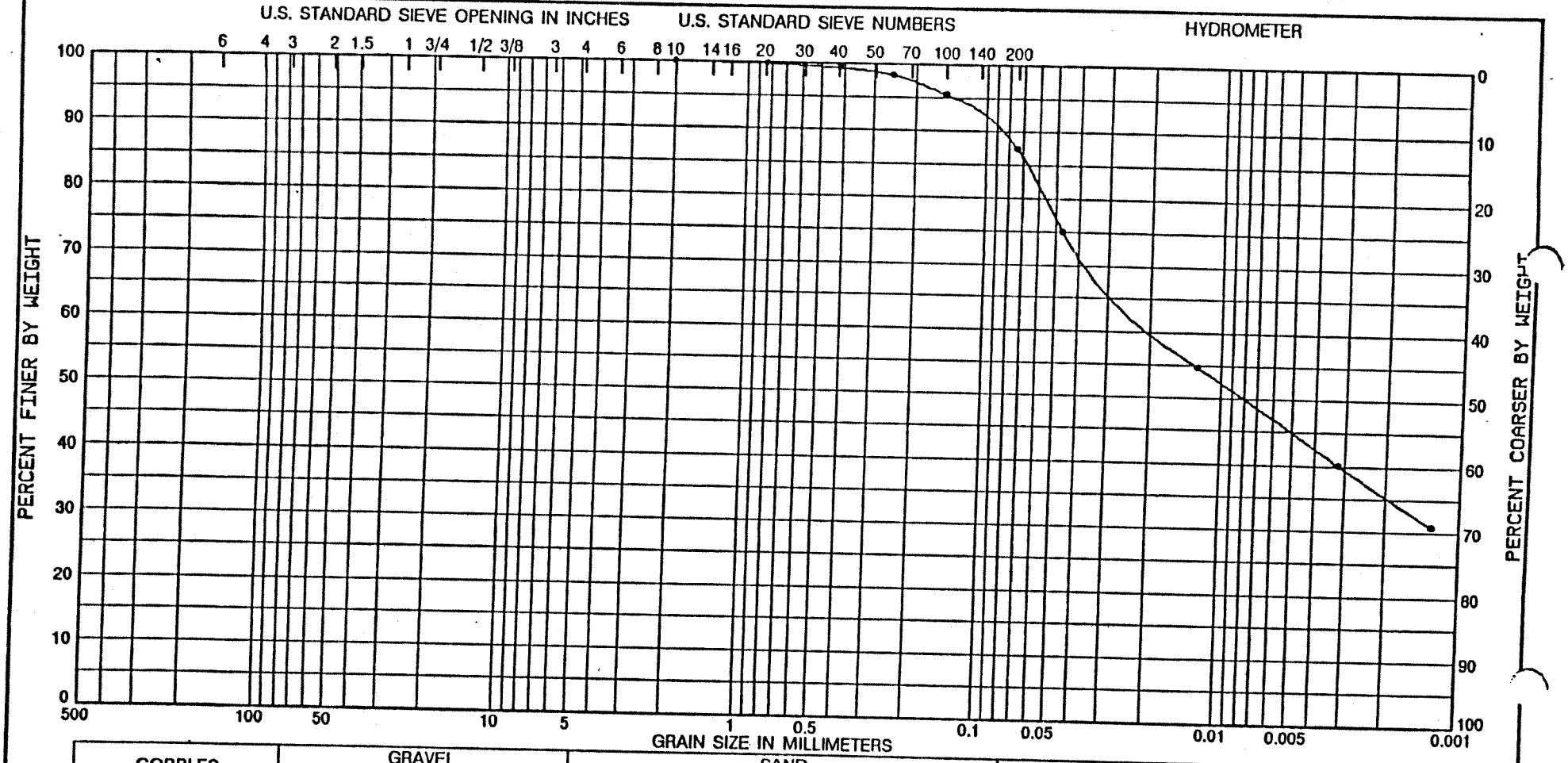
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	50.5-51.5'	Greenish gray inorganic silt high LL (MH), clayey, with a trace of sand, mica and gravel size weathered rock fragments. Specific gravity = 2.59	-	189	77	112

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1428
Boring No. SH-268
Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

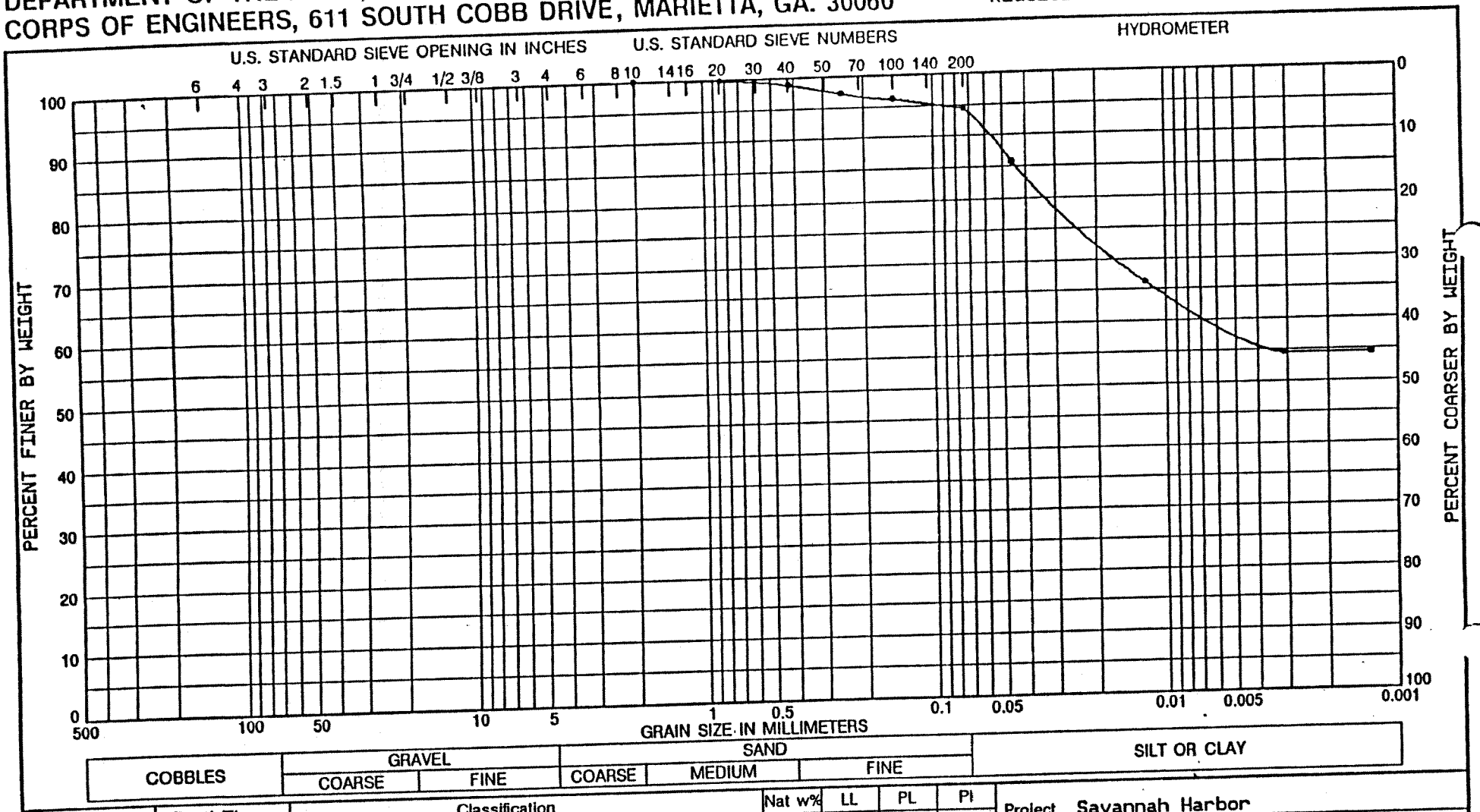
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	45.4-46.9'	Greenish gray inorganic silt high LL (MH), clayey, slightly organic, with a little sand and with a trace of mica. Specific gravity = 2.62	119.7	205	73	132

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1741
Boring No. SH-273
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	48.2-49.7'	Greenish gray inorganic silt high LL (MH), clayey, with a trace of sand. Specific gravity = 2.66	136.0	281	93	188

Project Savannah Harbor
Preliminary Borings

Lab No. 97/1748

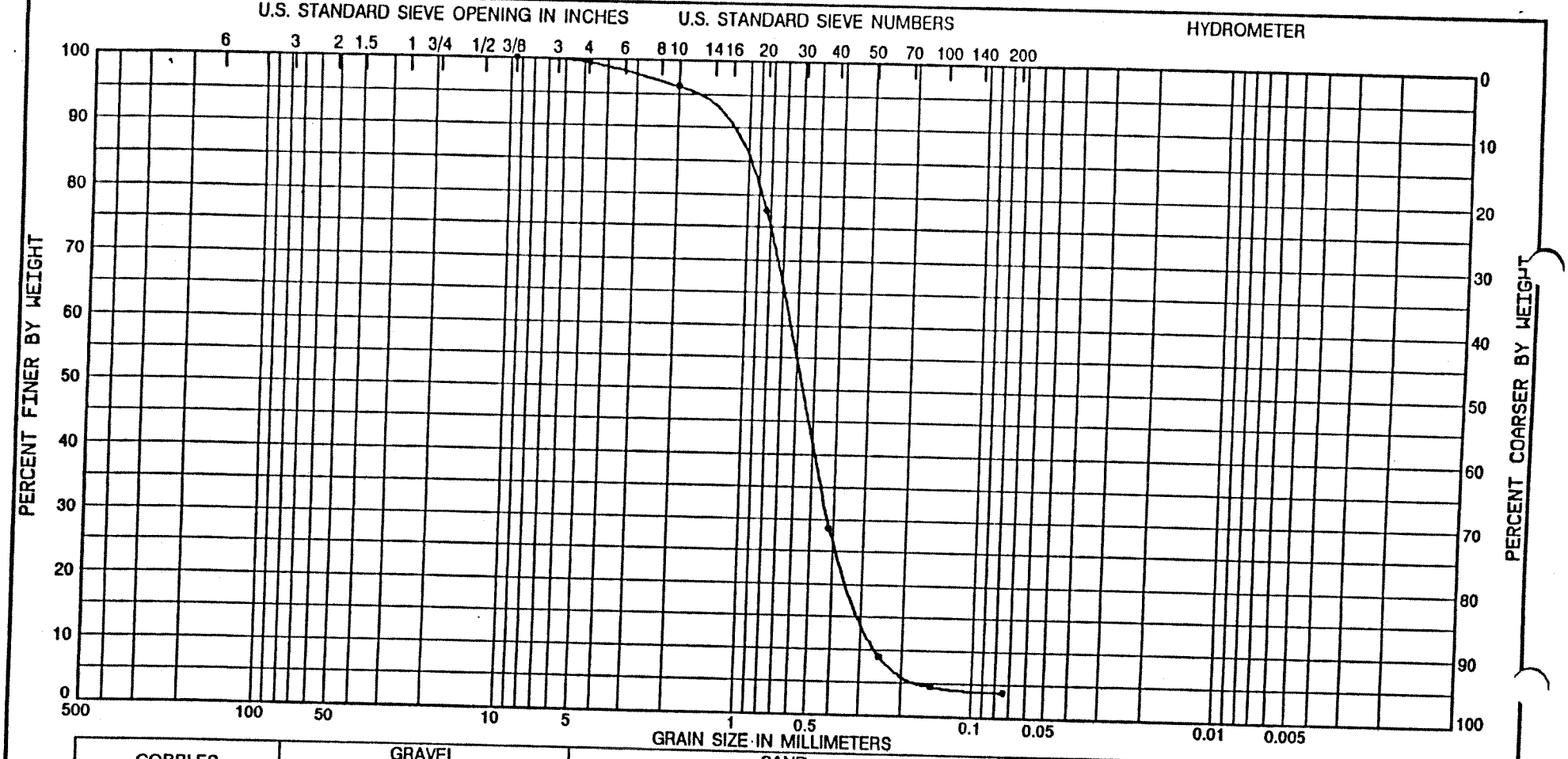
Boring No. SH-275

Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

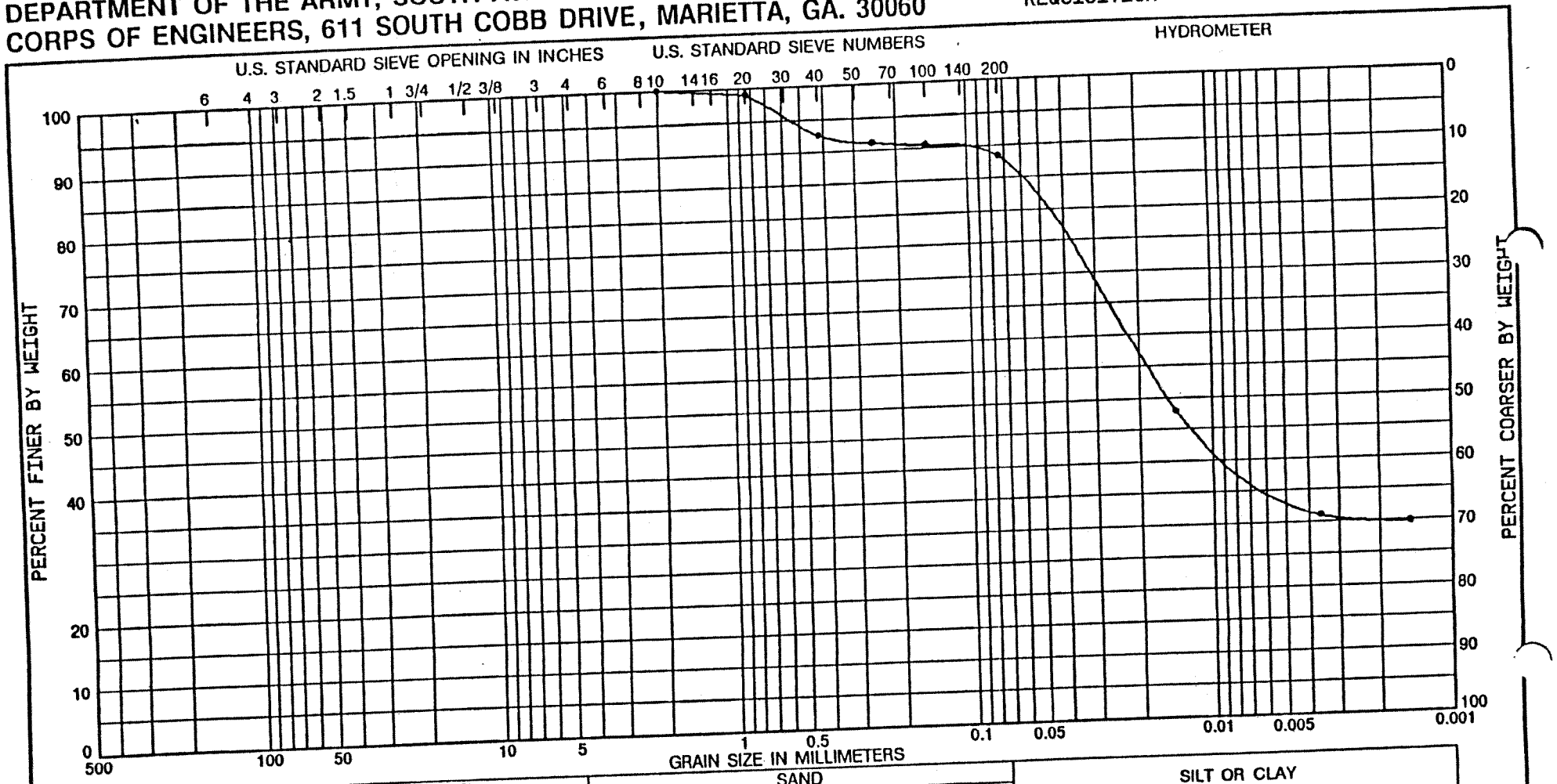
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	44.9-47.2'	Grayish tan poorly graded sand (SP), with a trace of gravel size weathered rock fragments and with a trace of mica and shell. Specific gravity = 2.67	-	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1430
Boring No. SH-279
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	47.2-48.7'	Greenish gray inorganic silt high LL (MH), clayey, with a little sand and with a trace of mica. Specific gravity = 2.60	--	235	108	127

Project SAVANNAH HARBOR
PRELIMINARY BORINGS

Lab No. 97/1431

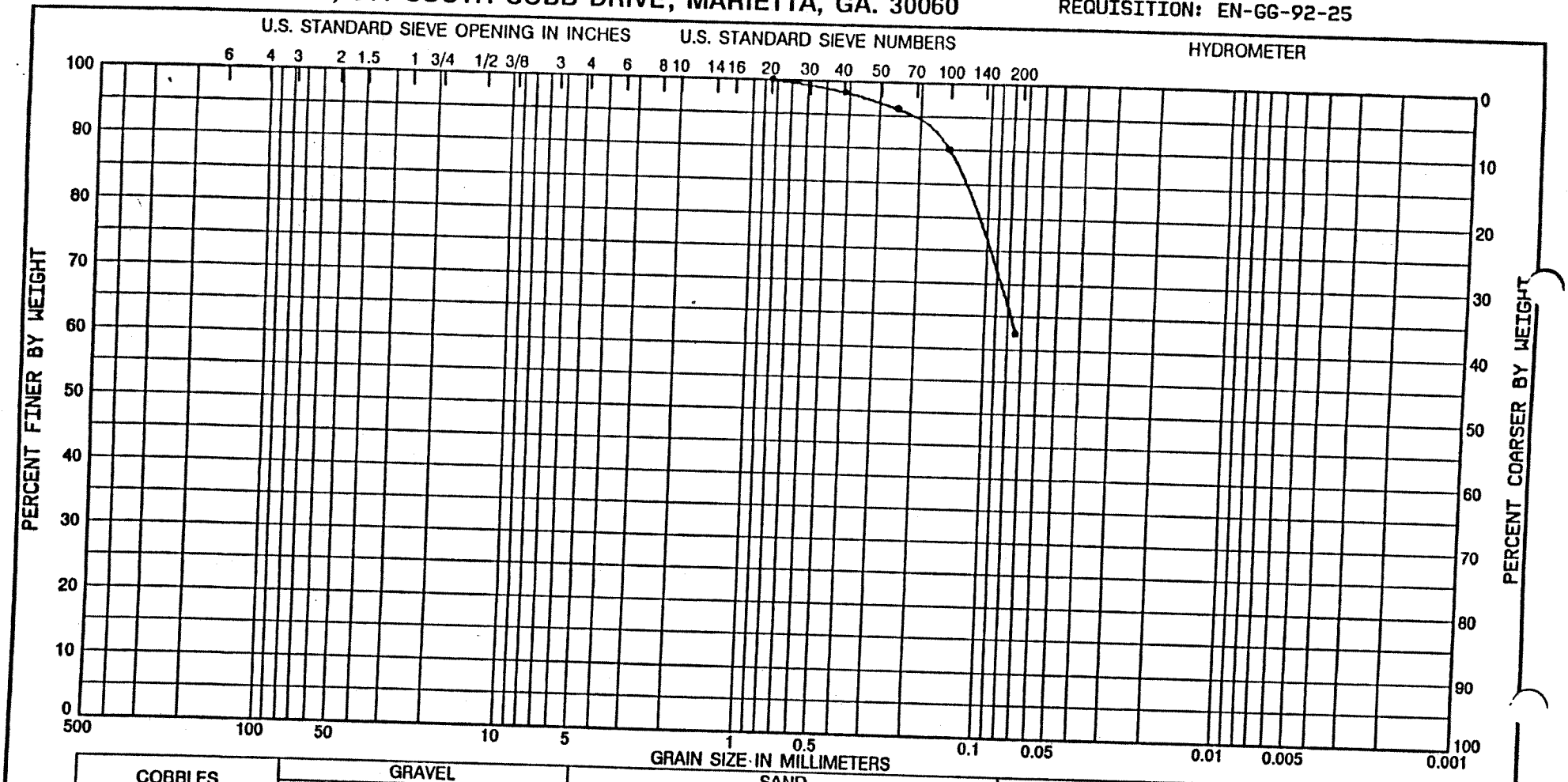
Boring No. SH-279

Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

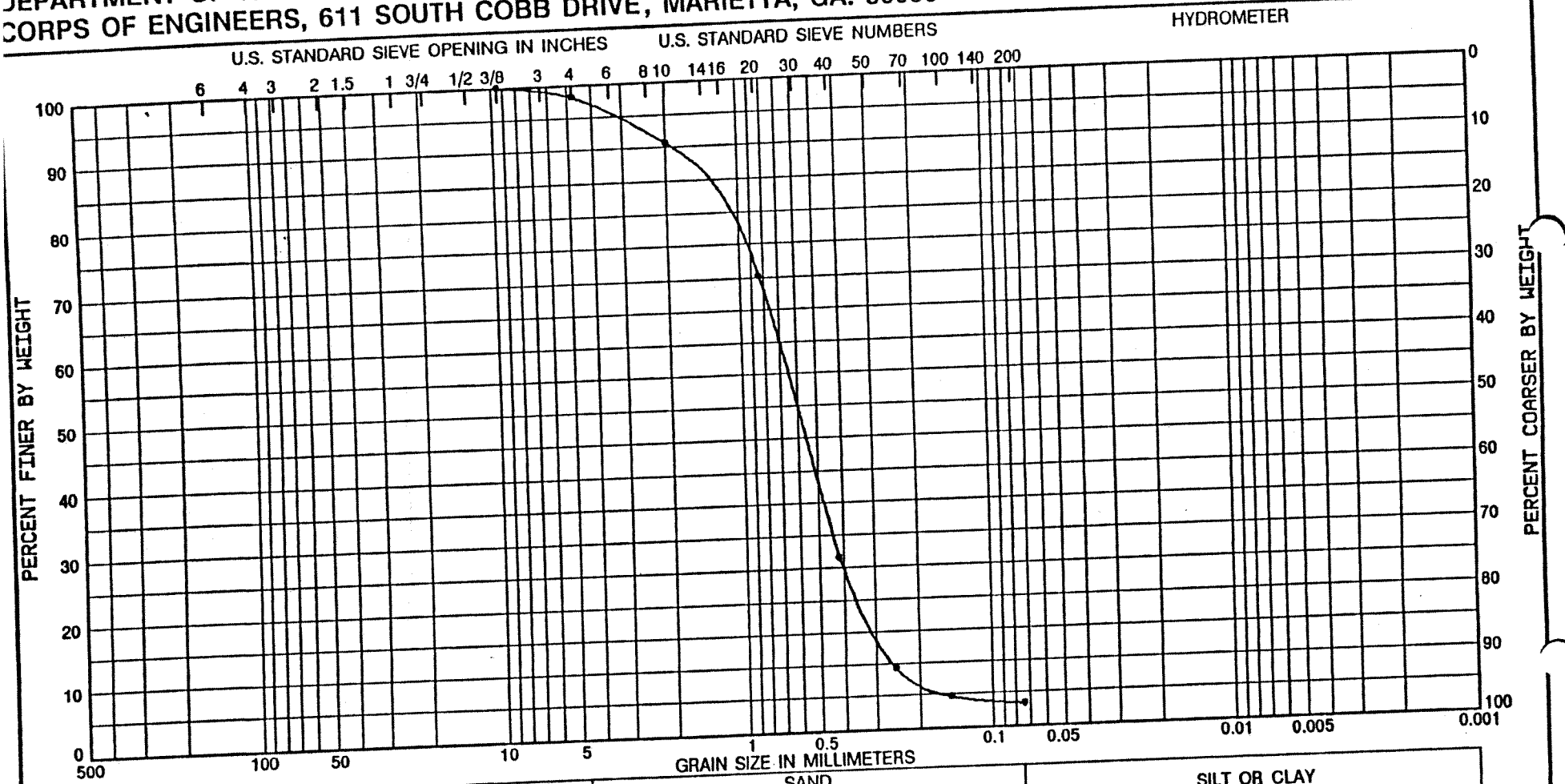
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	51.7-53.2'	Gray inorganic silt high LL (MH), clayey, sandy, with a trace of mica and organic matter. Specific gravity = 2.67	–	140	61	79

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1432
Boring No. SH-279
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

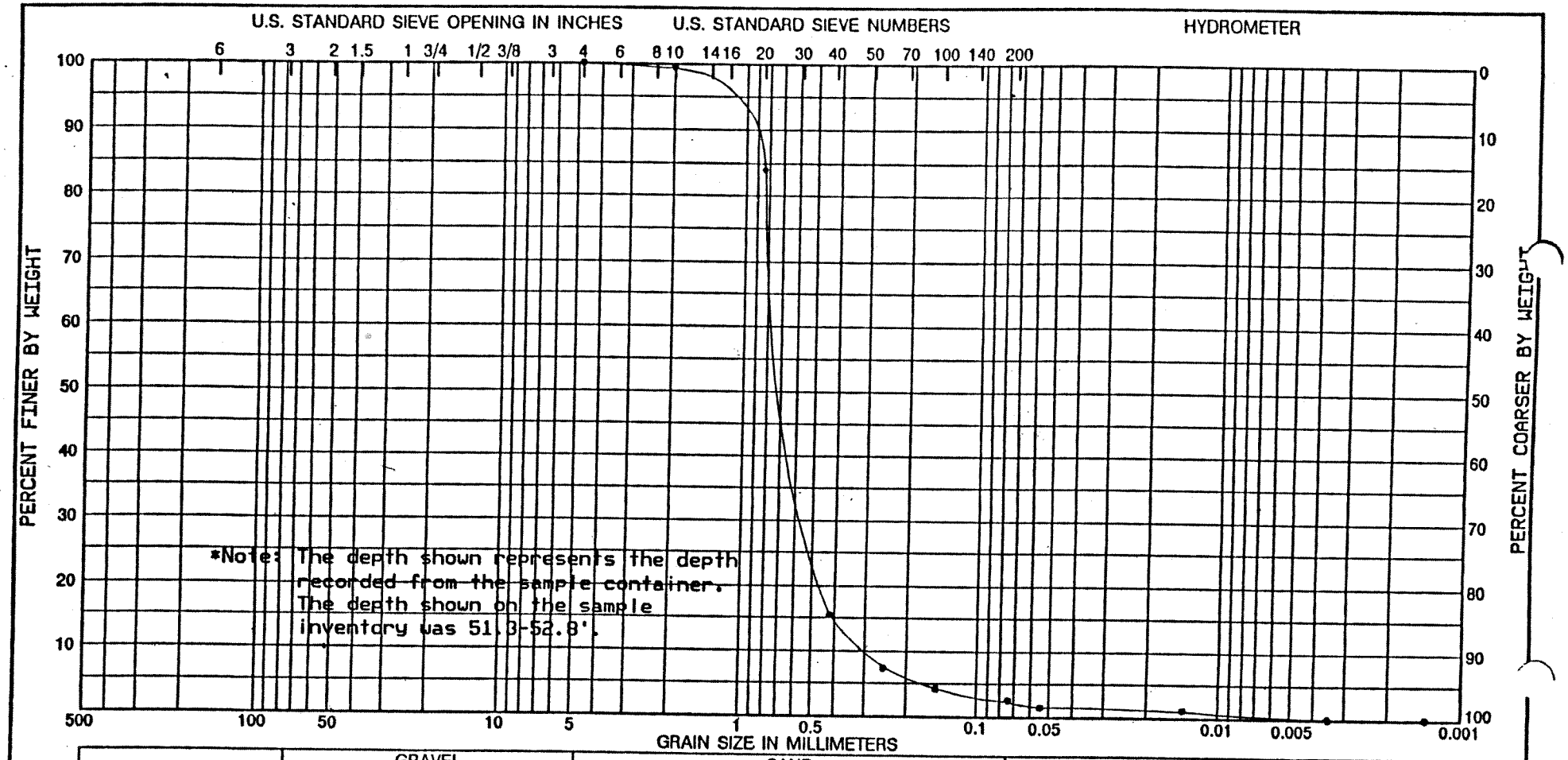
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.4-45.3'	Gray poorly graded sand (SP), with a trace of gravel size weathered rock & asphalt and with a trace of mica and shell. Specific gravity = 2.66	–	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1435
Boring No. SH-282
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

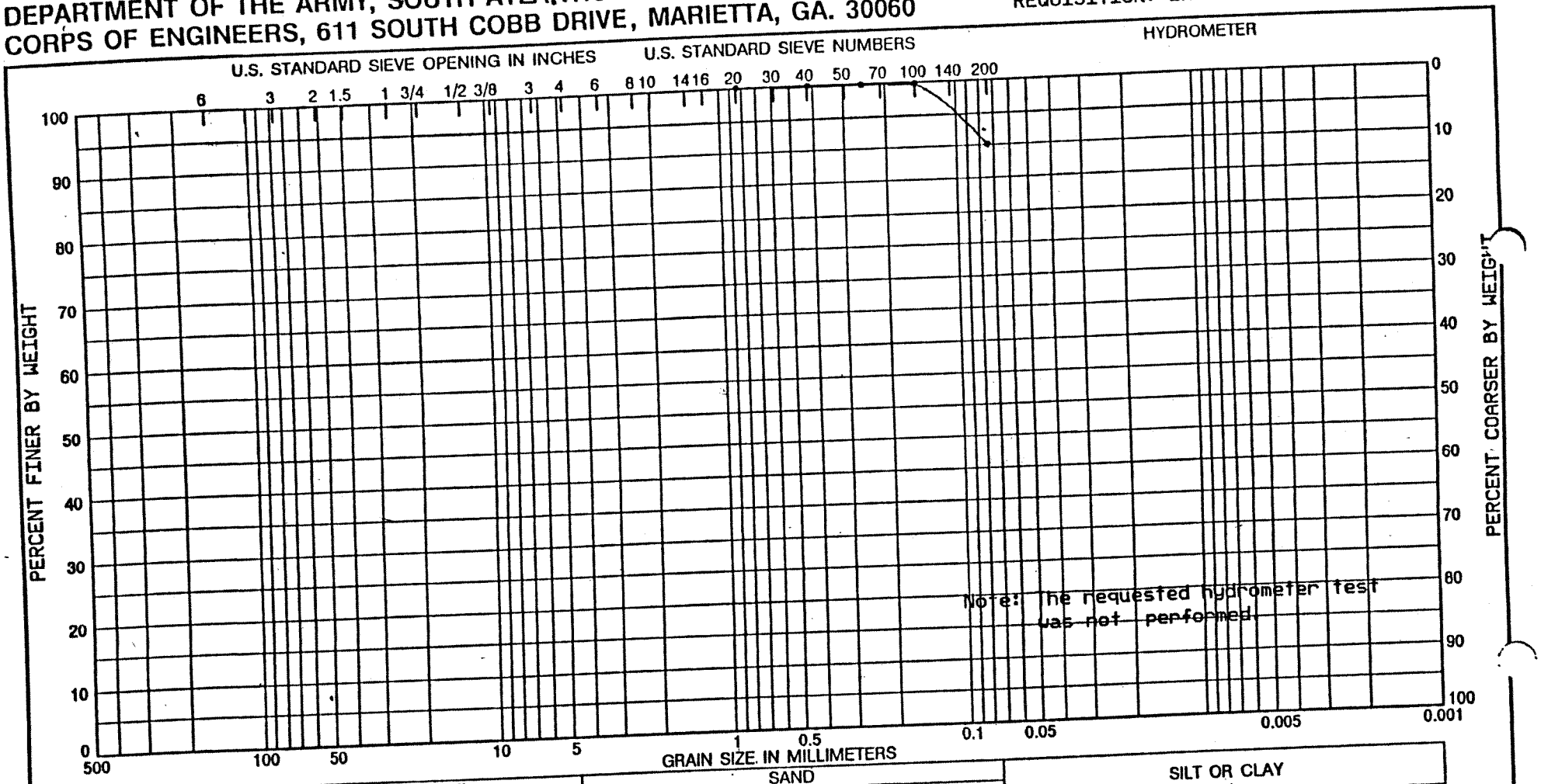
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	48.3-49.8'*	Grayish tan poorly graded sand (SP), with a trace of mica. Specific gravity = 2.68	–	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1436
Boring No. SH-282
Date 02/15/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
5	55.8-57.3'	Greenish gray fat clay (CH), with a trace of sand and mica. Specific gravity = 2.67	71.9	191	58	133

Project SAVANNAH HARBOR
PRELIMINARY BORINGS

Lab No. 97/1439

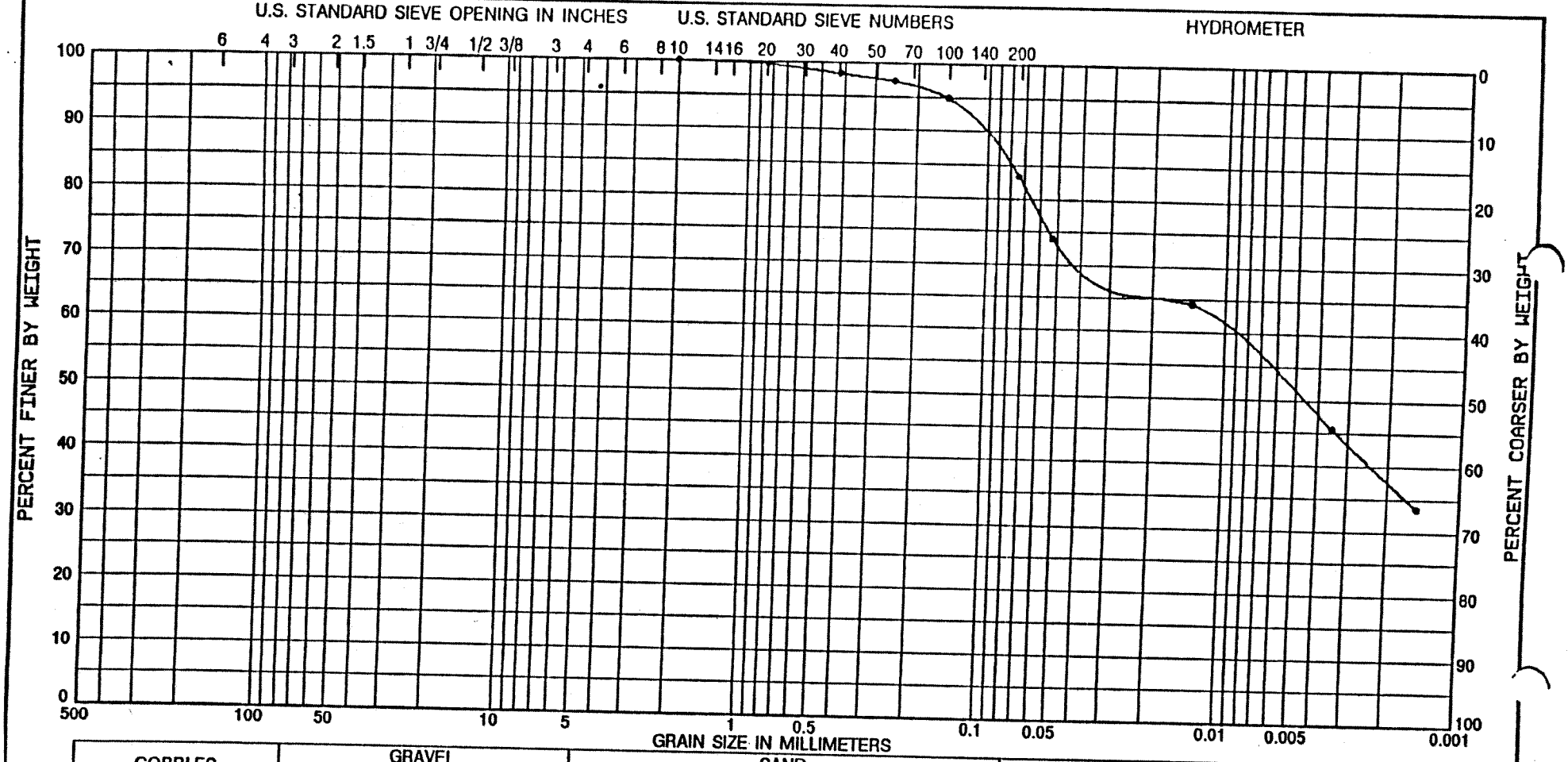
Boring No. SH-282

Date 02/15/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

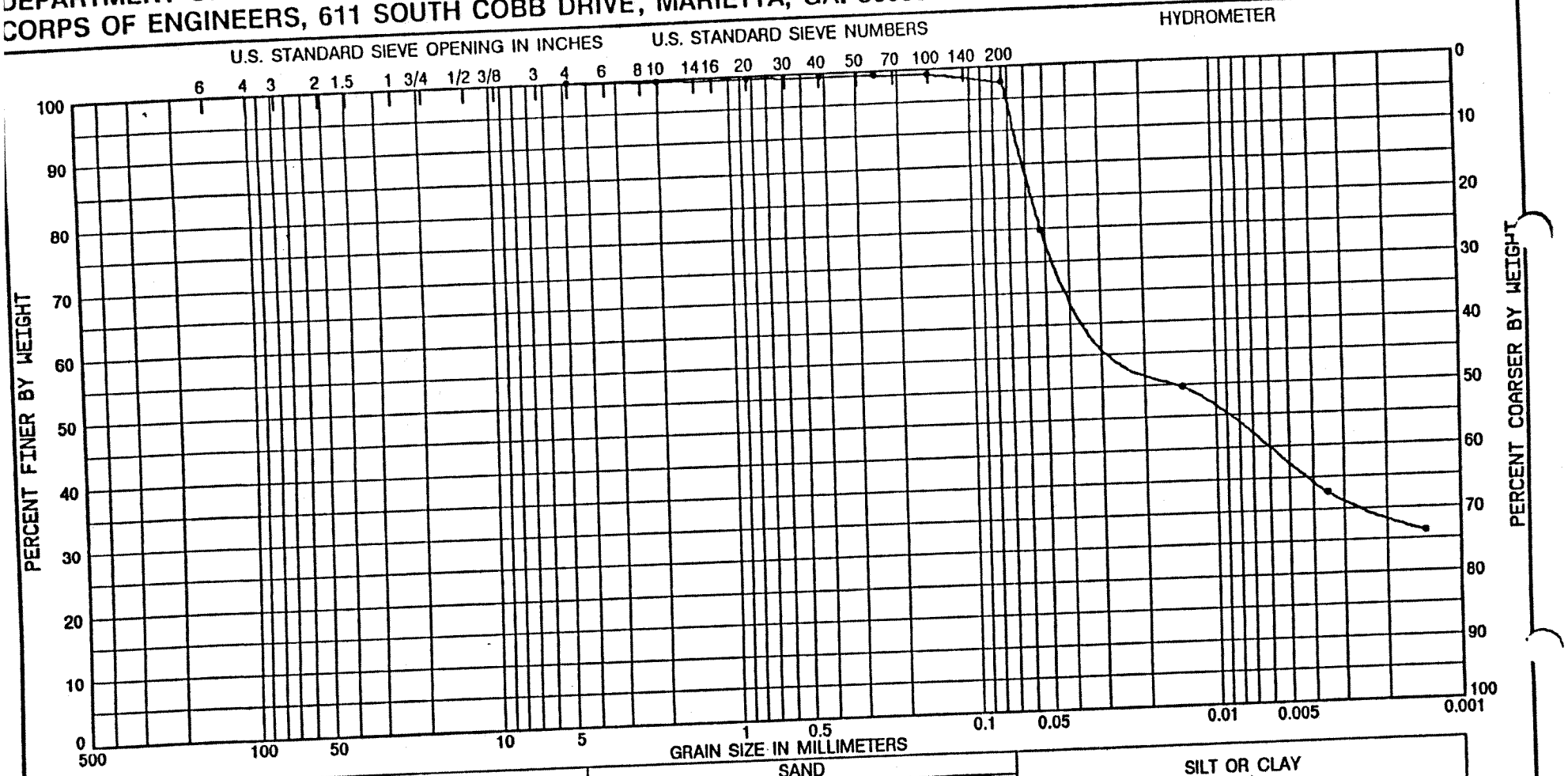
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	39.4-45.8'	Gray fat clay (CH), with a little sand and with a trace of organic matter and mica. Specific gravity = 2.60	–	176	58	118

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1441
Boring No. SH-283
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	45.8-47.3'	Gray inorganic silt high LL (MH), clayey, with a trace of sand, mica and shell. Specific gravity = 2.63	–	238	105	133

Project SAVANNAH HARBOR
PRELIMINARY BORINGS

Lab No. 97/1442

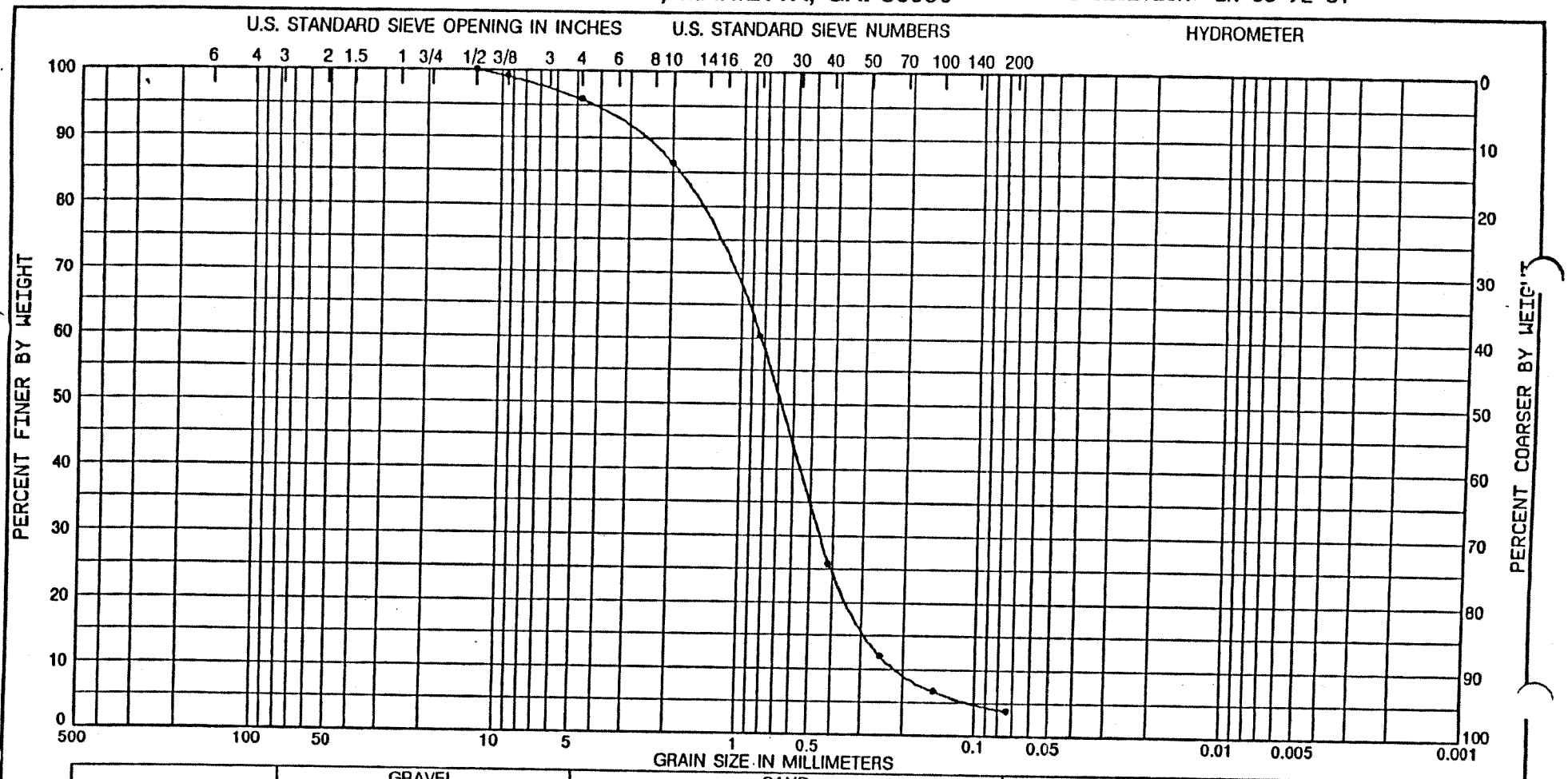
Boring No. SH-283

Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

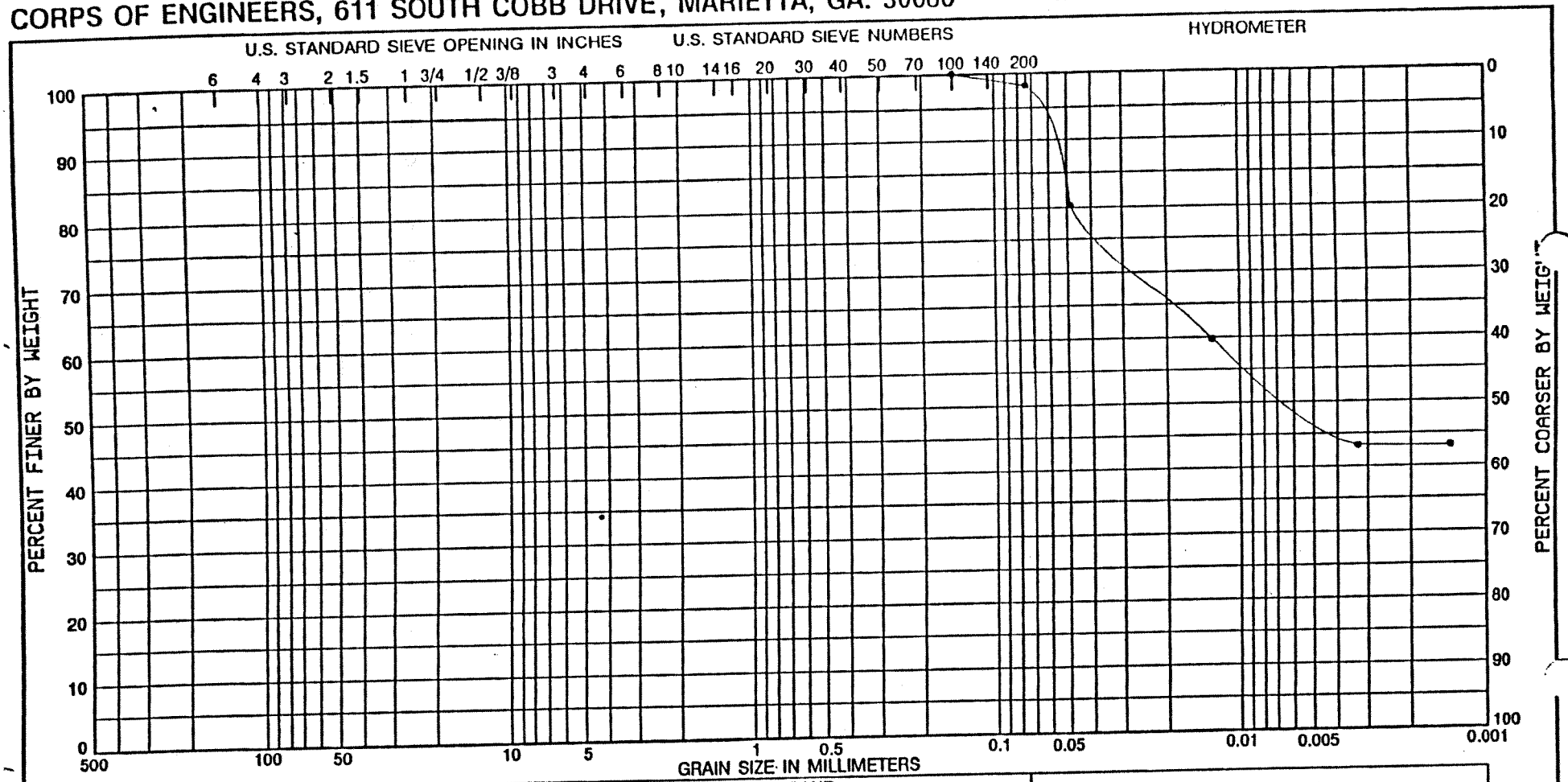
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	40.0-43.0'	Gray poorly graded sand (SP), with a trace of gravel size quartz & shell and with a trace of mica. Specific gravity = 2.68	–	24	21	3

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1547
Boring No. SH-289
Date 04/28/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6585
REQUISITION: EN-GG-92-37



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

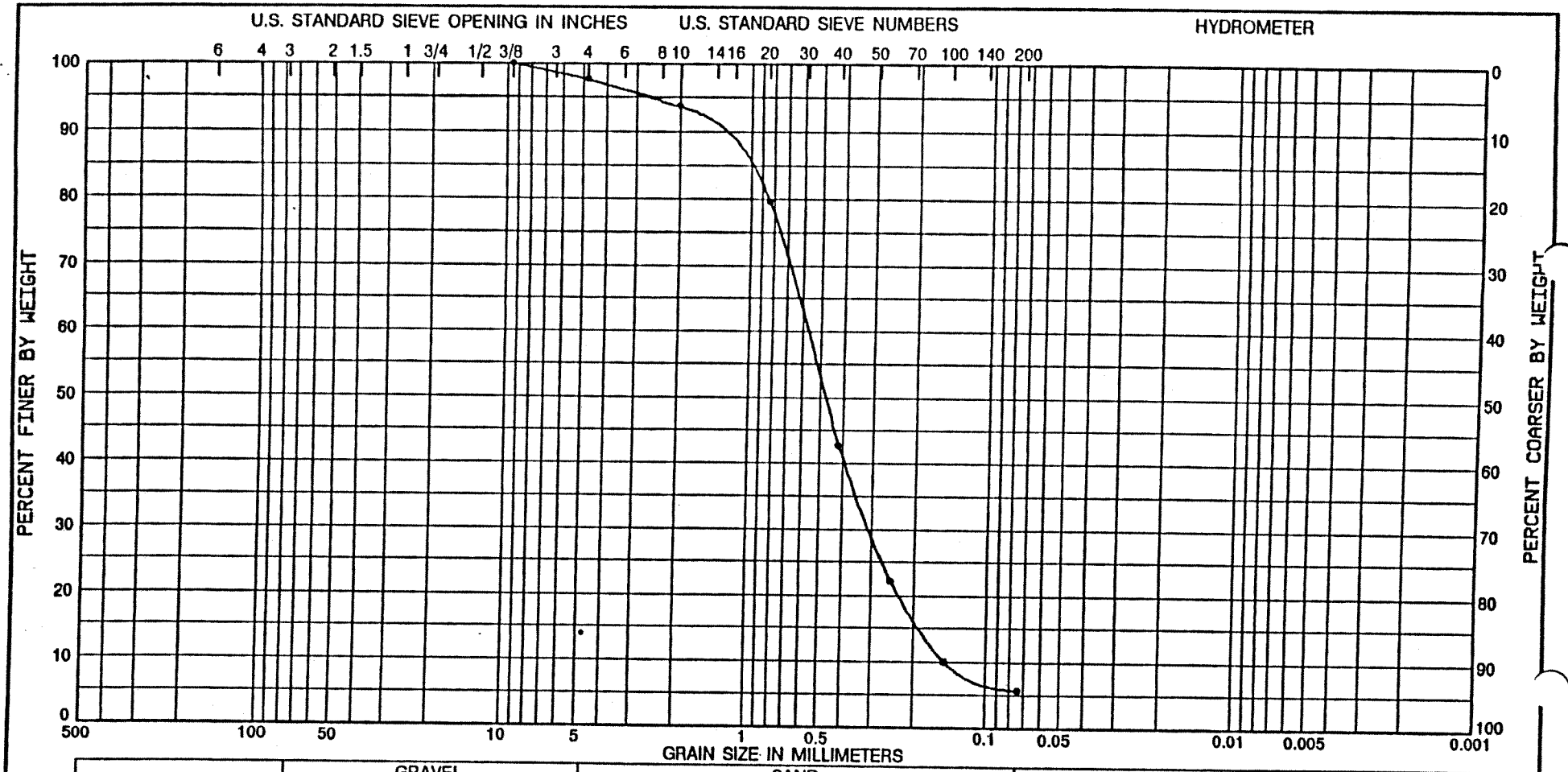
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	47.5-49.0'	Greenish gray inorganic silt high LL (MH), clayey, with a trace of roots, mica and sand. Specific gravity = 2.56	141.7	250	86	164

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1549
Boring No. SH-289
Date 04/30/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

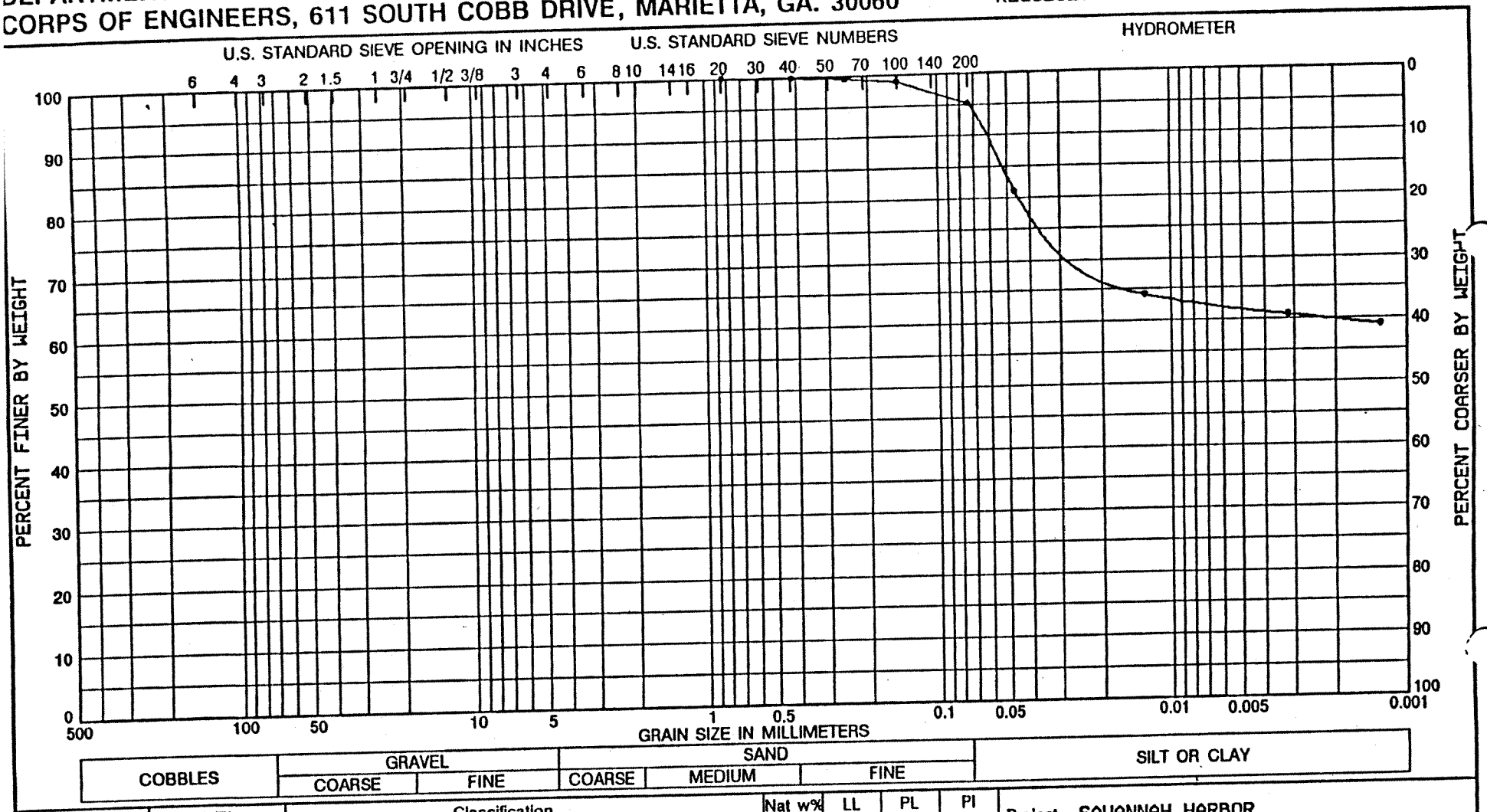
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	38.9-40.5'	Tan poorly graded silty sand (SP-SM), with a trace of gravel size weathered rock & rusty metal fragments and with a trace of mica and shell. Specific gravity = 2.67	–	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1446
Boring No. SH-291
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	46.5-48.0'	Greenish gray fat clay (CH), with a trace of sand and mica. Specific gravity = 2.65	–	212	65	147

Project SAVANNAH HARBOR
PRELIMINARY BORINGS

Lab No. 97/1448

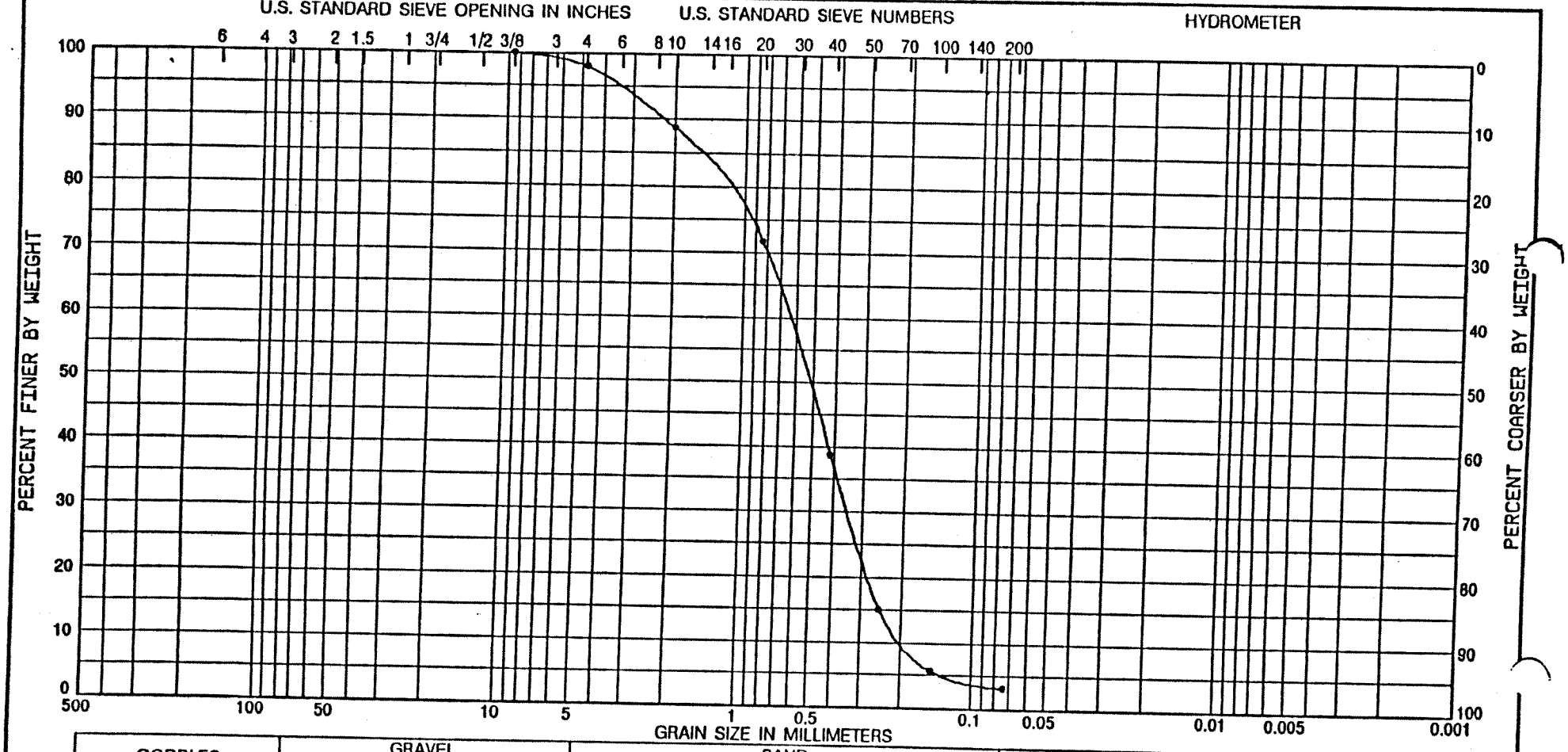
Boring No. SH-291

Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

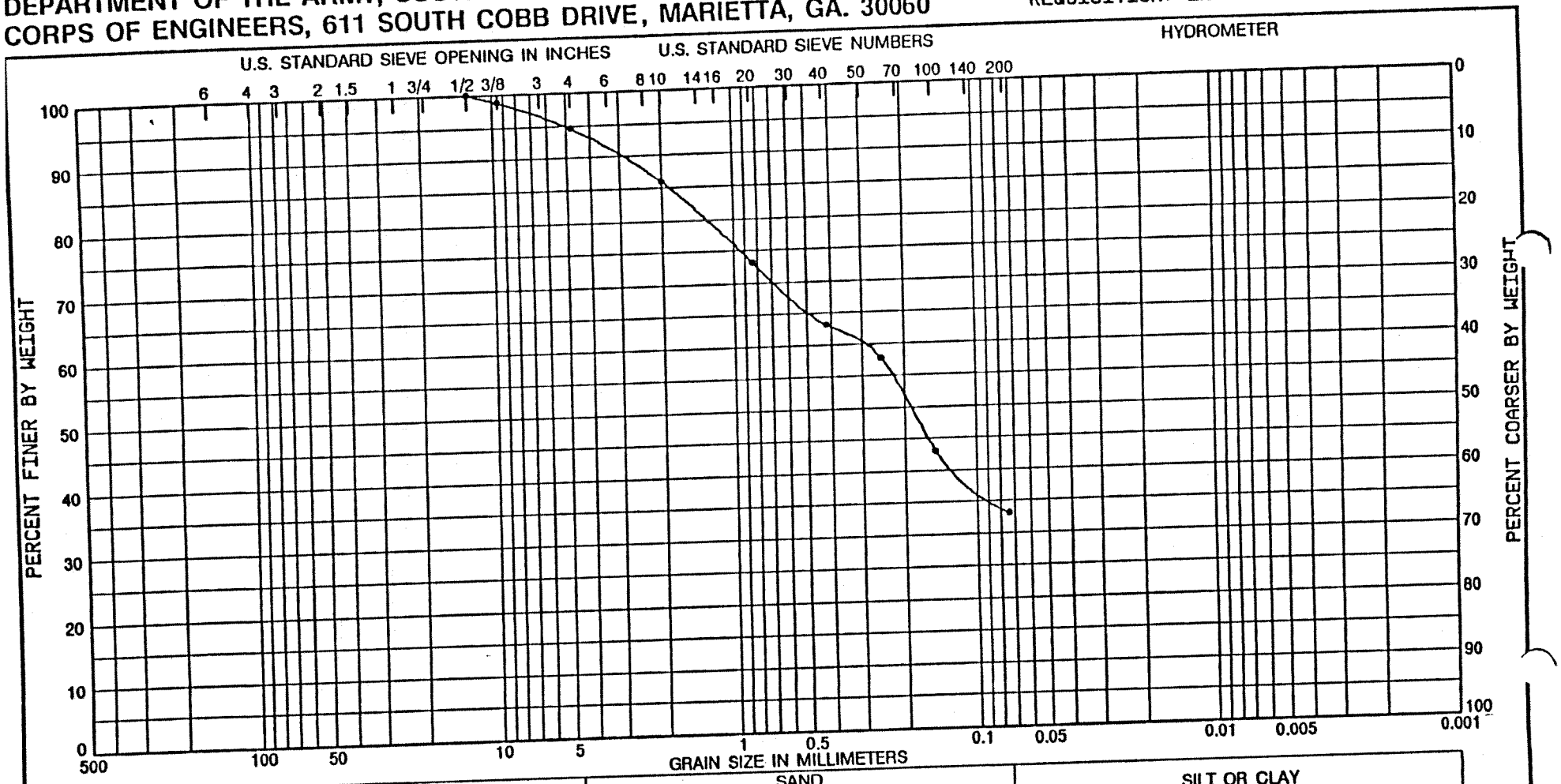
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	40.7-43.7'	Gray poorly graded sand (SP), with a trace of mica, shell and gravel size quartz. Specific gravity = 2.71	17.6	NP	NP	NP

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1752
Boring No. SH-303
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



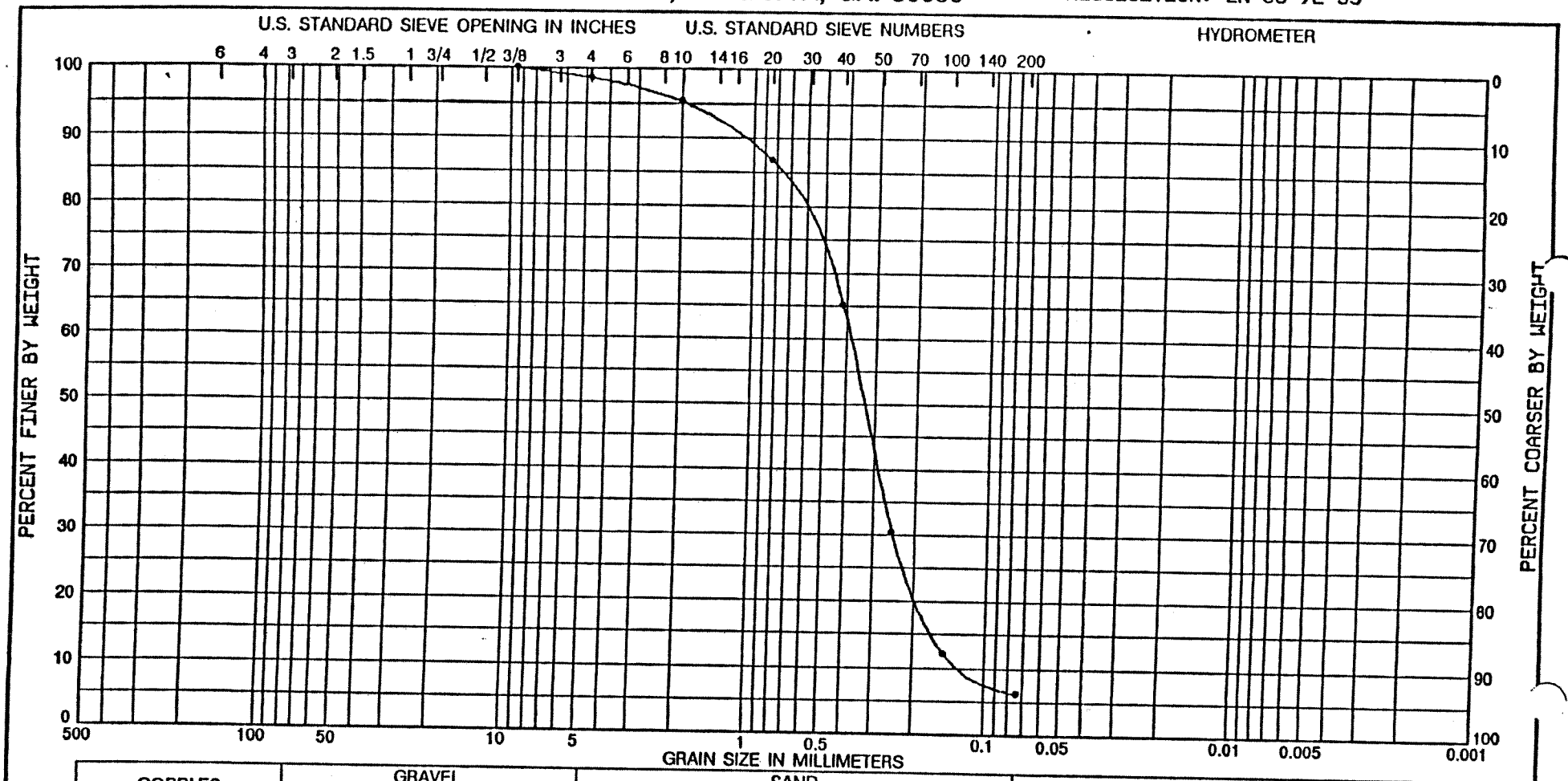
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	46.7-48.2'	Gray clayey sand high LL (SC-H), with a trace of gravel size weathered rock fragments and with a trace of mica. Specific gravity = 2.75	41.1	63	22	41

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1754
Boring No. SH-303
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

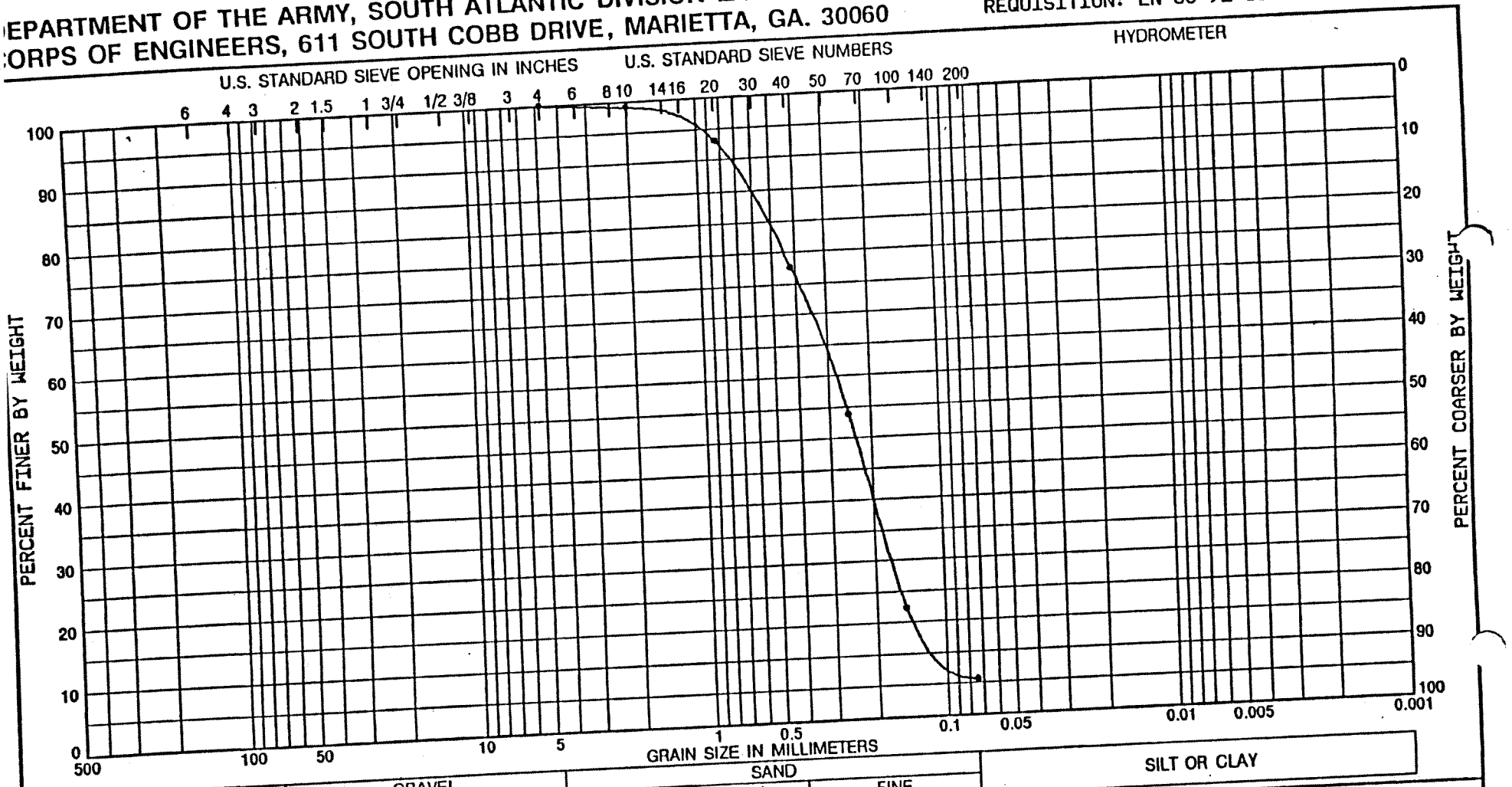
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	41.9-44.9'	Gray poorly graded silty sand (SP-SM), with a trace of gravel size shell fragments. Specific gravity = 2.68	21.0	NP	NP	NP

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1758
Boring No. SH-304
Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

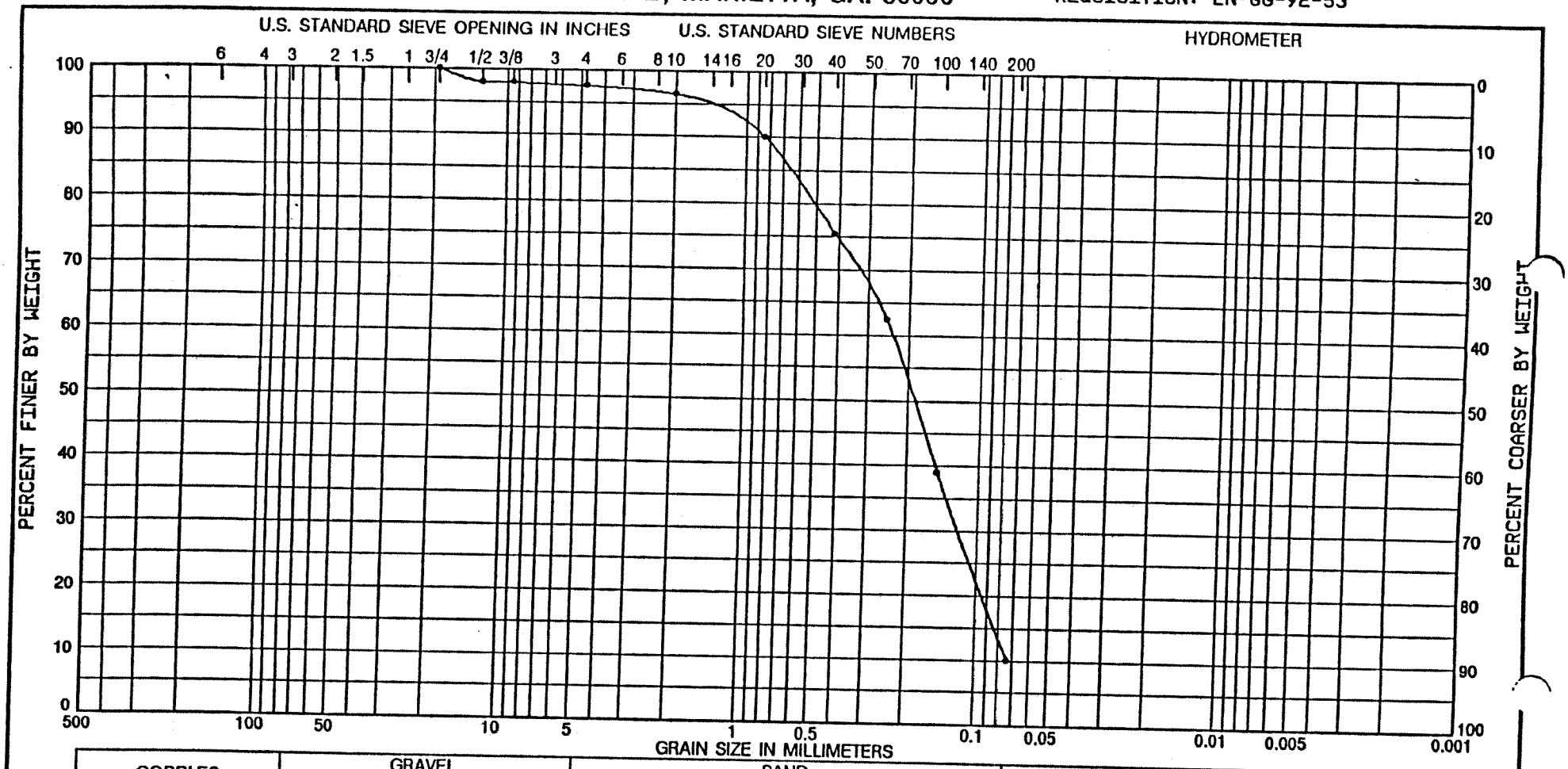
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	41.1-44.1'	Dk. gray poorly graded silty sand (SP-SM), with a trace of shell & mica. Specific gravity = 2.67	–	NP	NP	NP

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1763
Boring No. SH-312
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

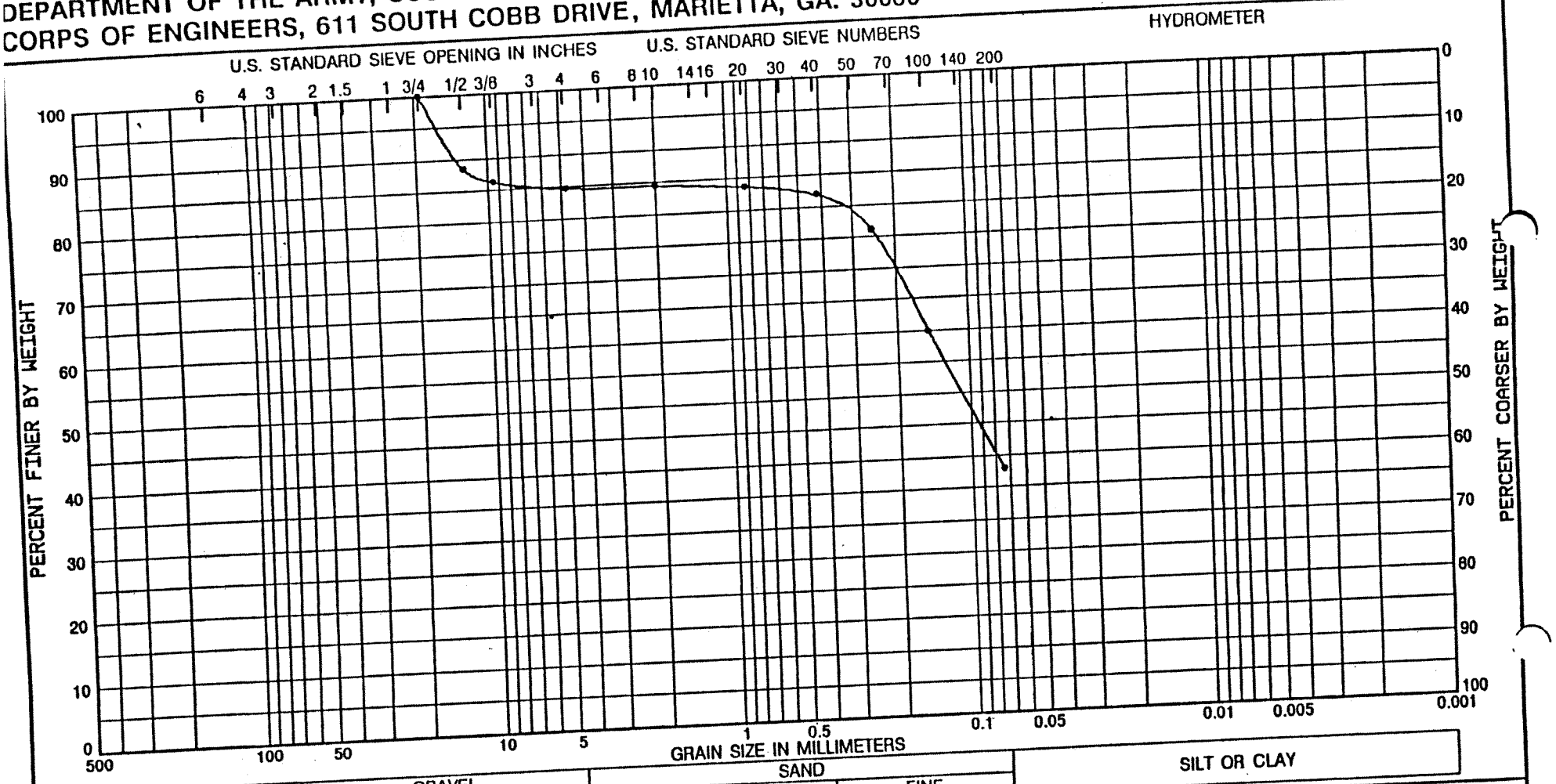
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	38.3-44.3'	Dk. gray poorly graded silty sand (SP-SM), with a trace of gravel size shell and with a trace of roots and mica. Specific gravity = 2.68	–	24	23	1

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1769
Boring No. SH-314
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	41.6-43.1'	Gray clayey sand (SC), with a little gravel size shell, rusty metal and weathered rock fragments. Specific gravity = 2.71	--	42	22	20

Project SAVANNAH HARBOR
PRELIMINARY BORINGS

Lab No. 97/1452

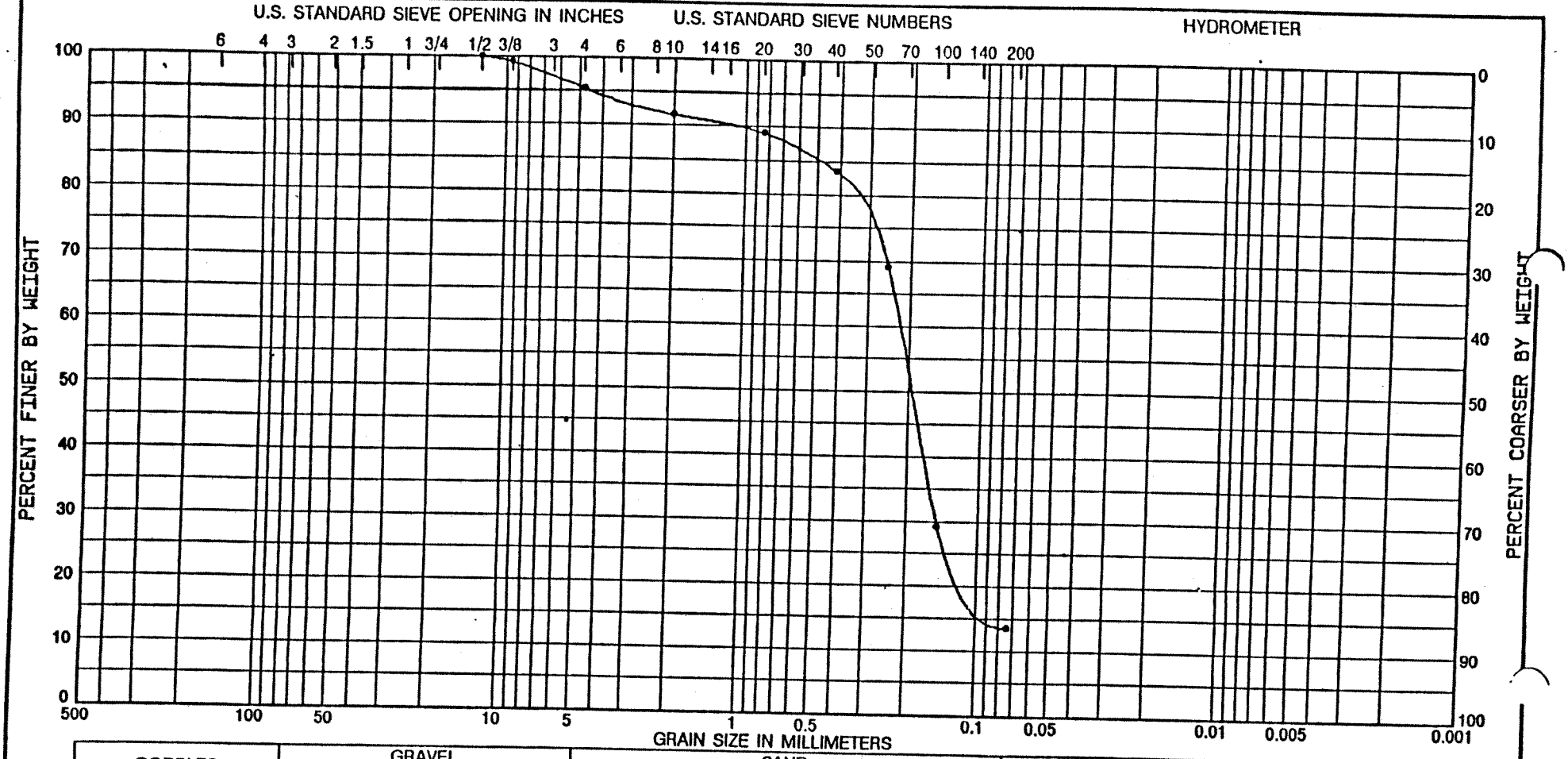
Boring No. SH-316

Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

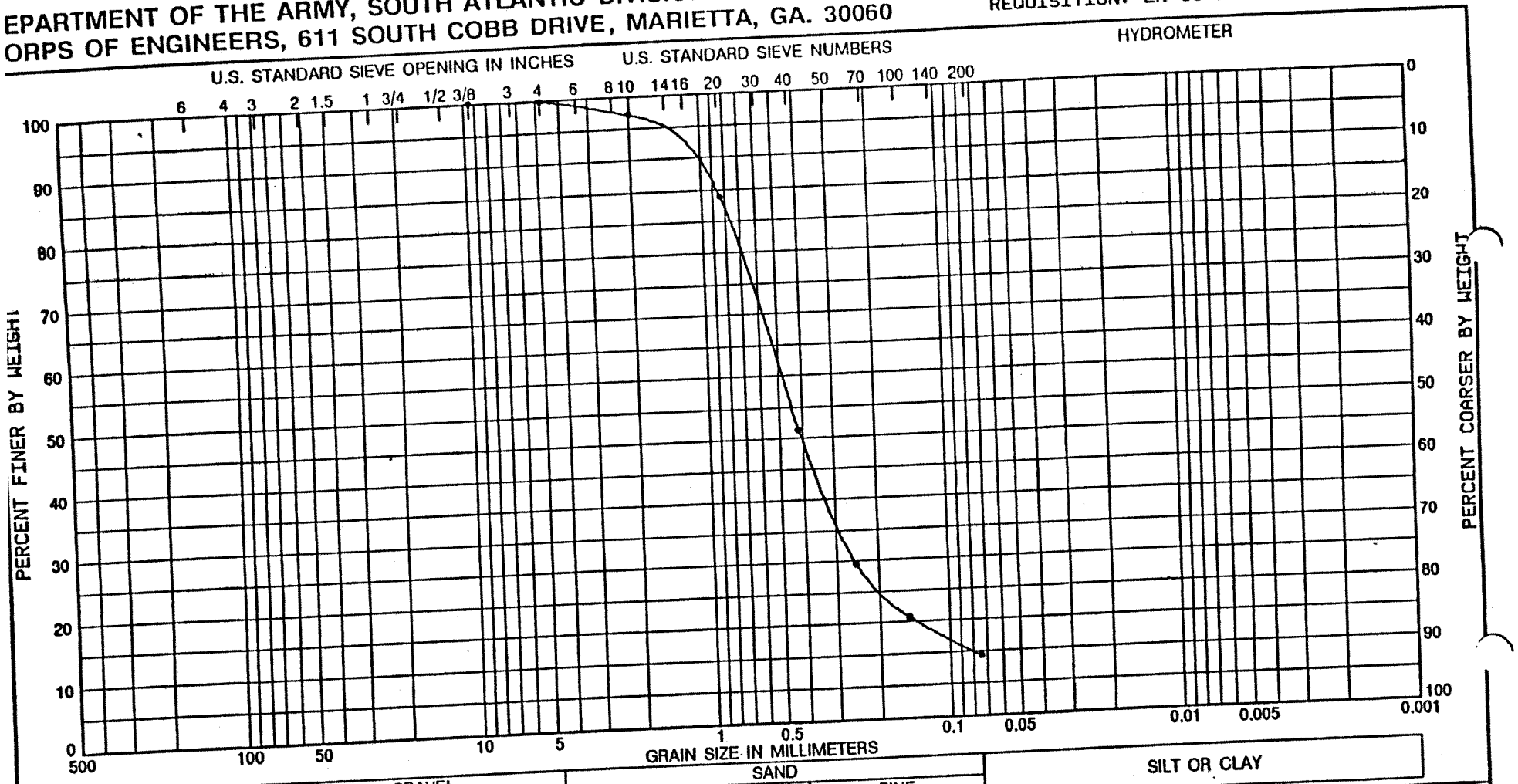
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	43.1-44.6'	Gray silty sand (SM), with a trace of gravel size shell, rusty metal and weathered rock fragments. Specific gravity = 2.68	–	21	21	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1453
Boring No. SH-316
Date 02/14/92

GRADATION CURVES

EPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
ORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
4	52.1-53.6'	Grayish tan poorly graded silty sand (SP-SM), with a trace of gravel size shell, rusty metal and weathered rock fragments. Specific gravity = 2.76	–	NP	NP	NP

Project SAVANNAH HARBOR
PRELIMINARY BORINGS

Lab No. 97/1455

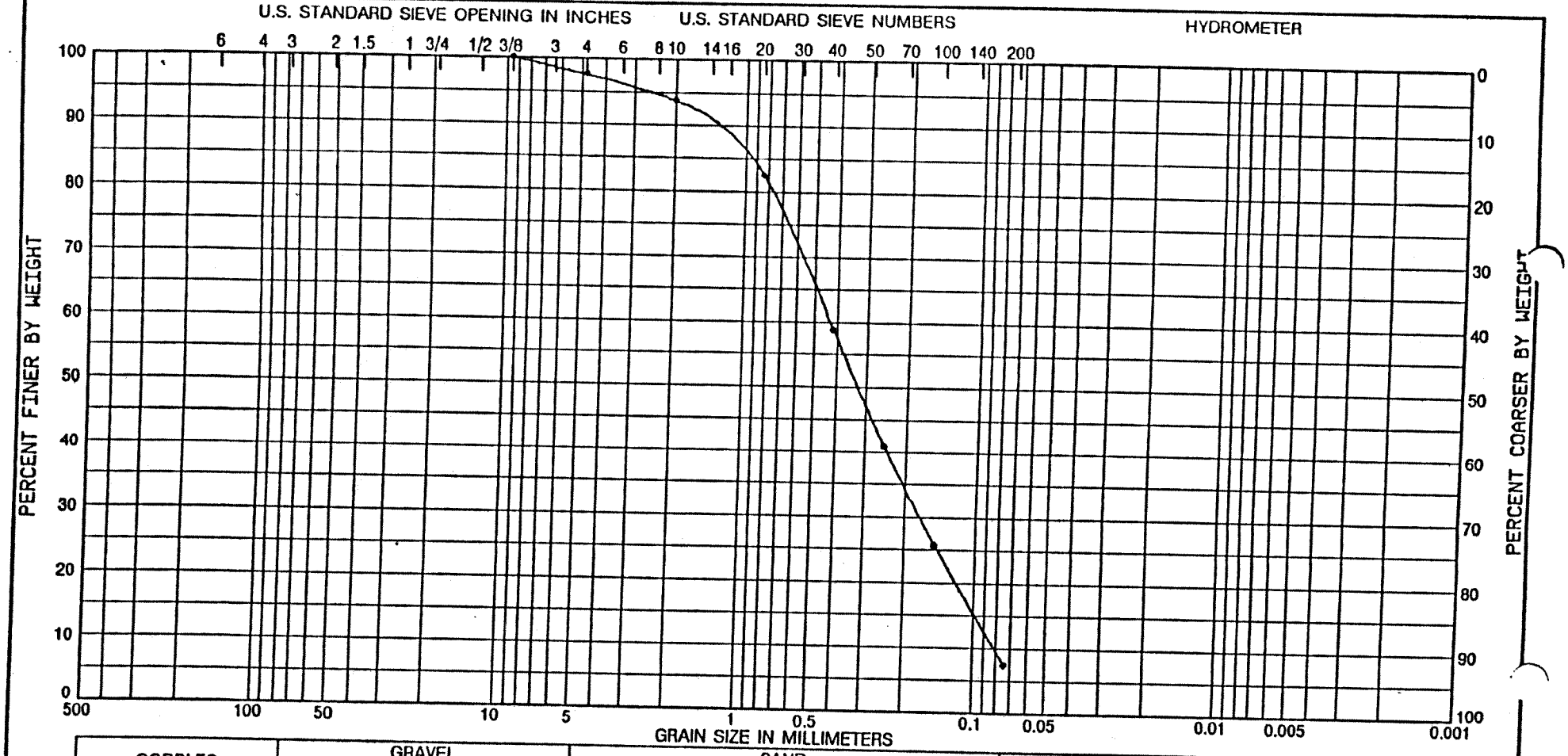
Boring No. SH-316

Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	43.3-44.8'	Gray poorly graded silty sand (SP-SM), with a trace of gravel size quartz and with a trace of shell and roots. Specific gravity = 2.69	22.2	NP	NP	NP

Project Savannah Harbor

Preliminary Borings

Lab No. 97/1776

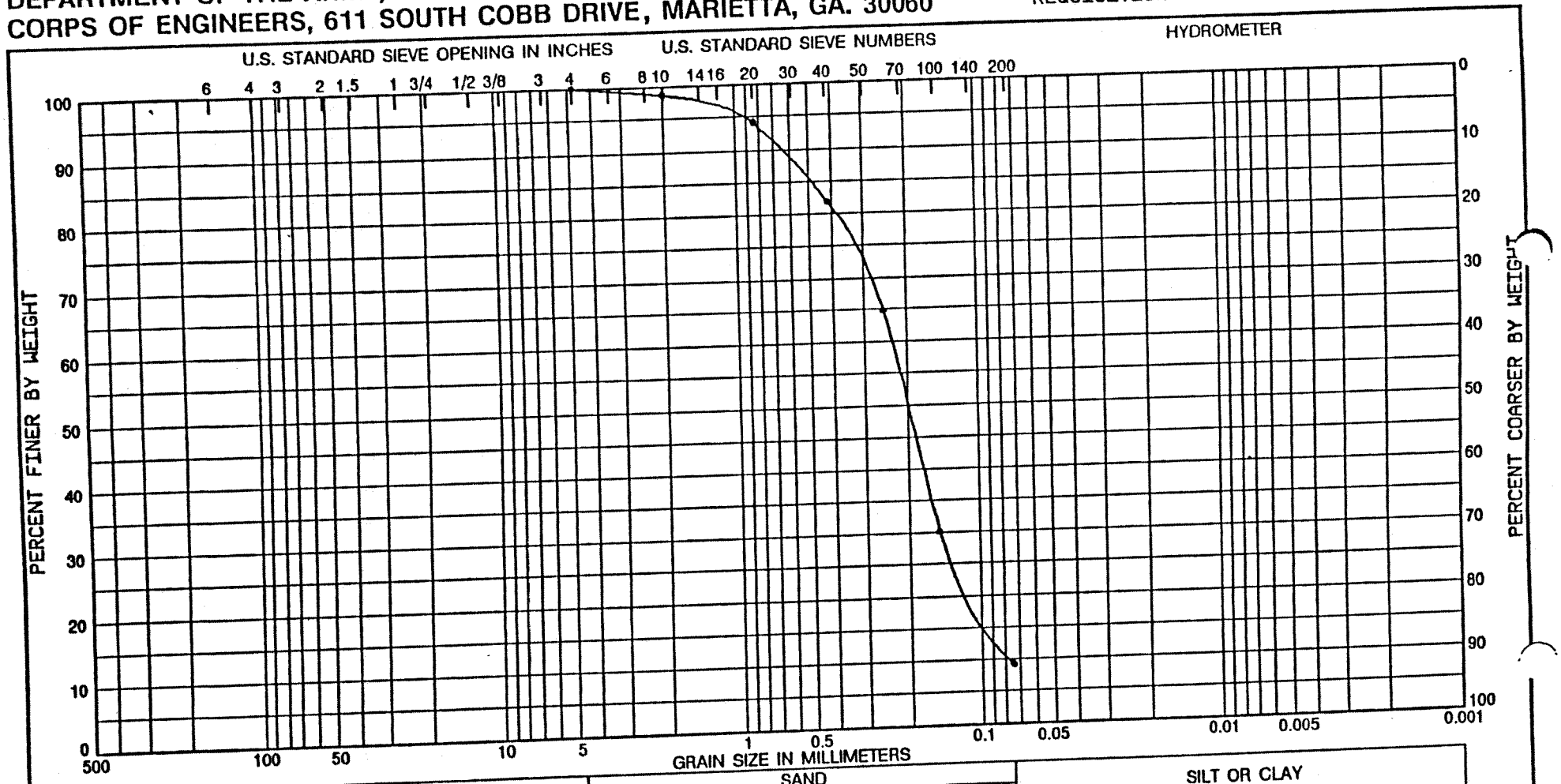
Boring No. SH-319

Date 05/11/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6600
REQUISITION: EN-GG-92-53



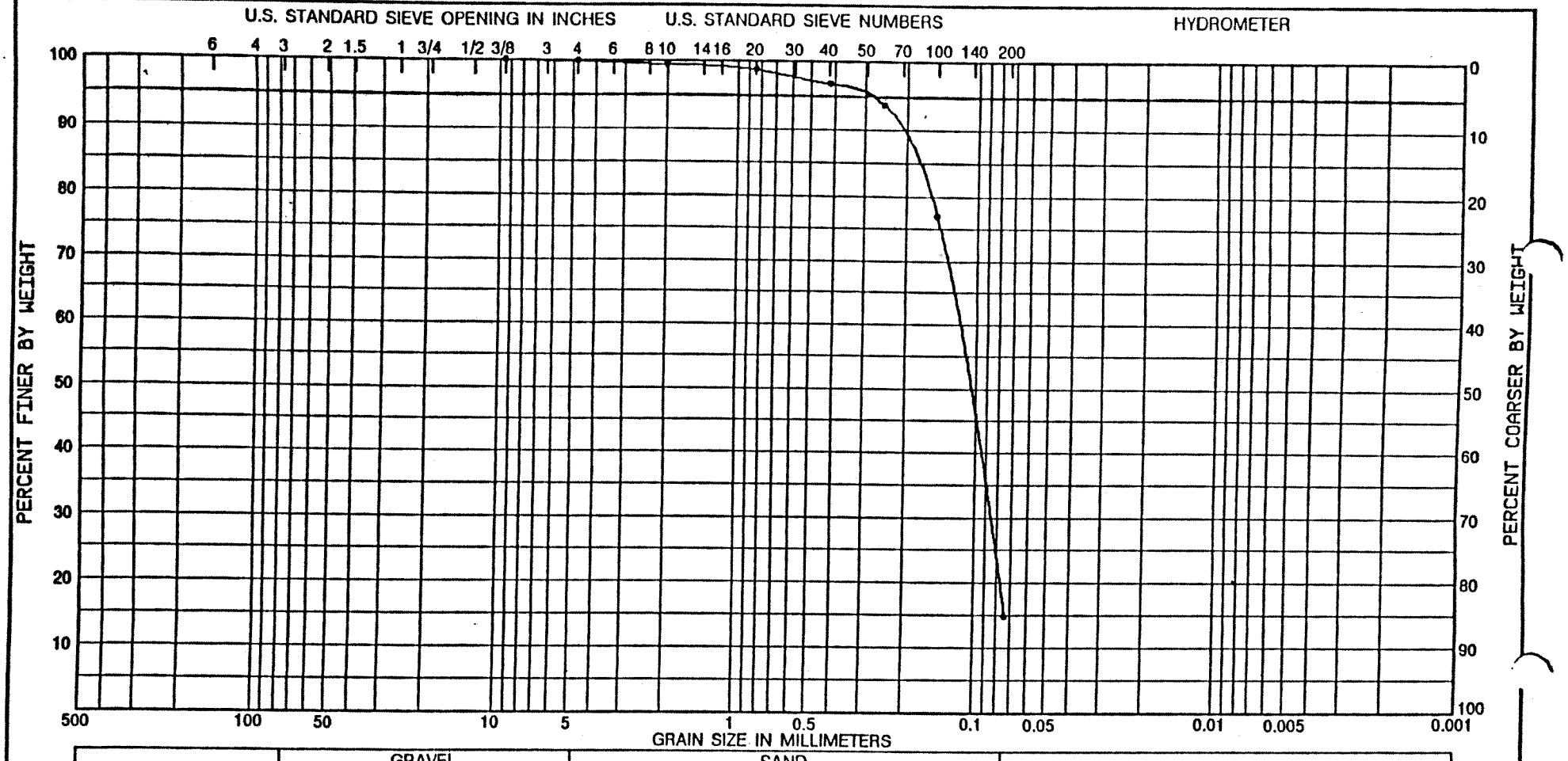
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
2	43.5-45.0'	Dk. gray poorly graded silty sand (SP-SM), with a trace of roots, mica and shell. Specific gravity = 2.68	–	22	22	NP

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1783
Boring No. SH-321
Date 05/12/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

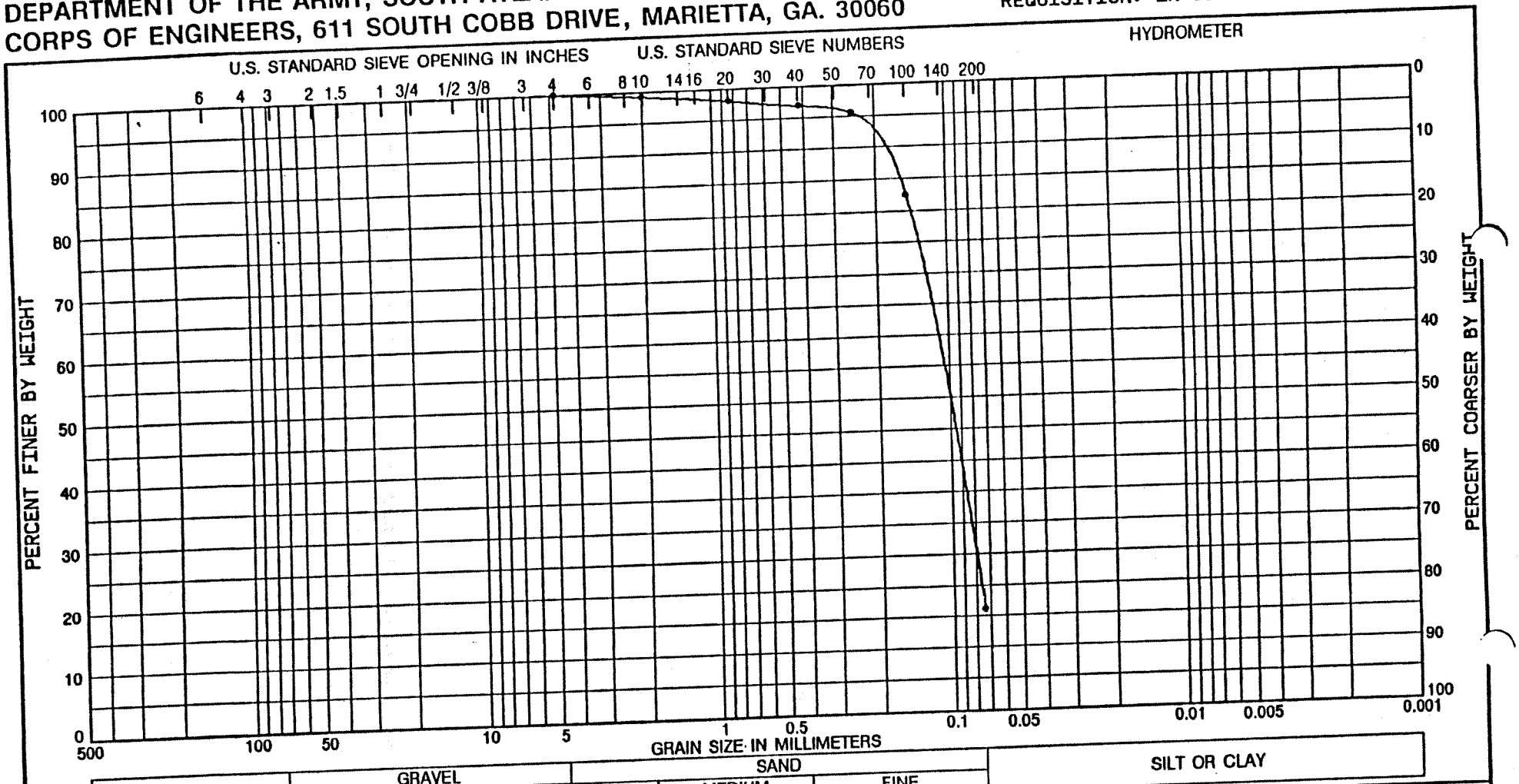
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.2-44.7'	Greenish gray clayey sand high LL (SC-H) with a trace of shell and mica. Specific gravity = 2.67	–	50	26	24

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1458
Boring No. SH-323
Date 02/14/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6552
REQUISITION: EN-GG-92-25



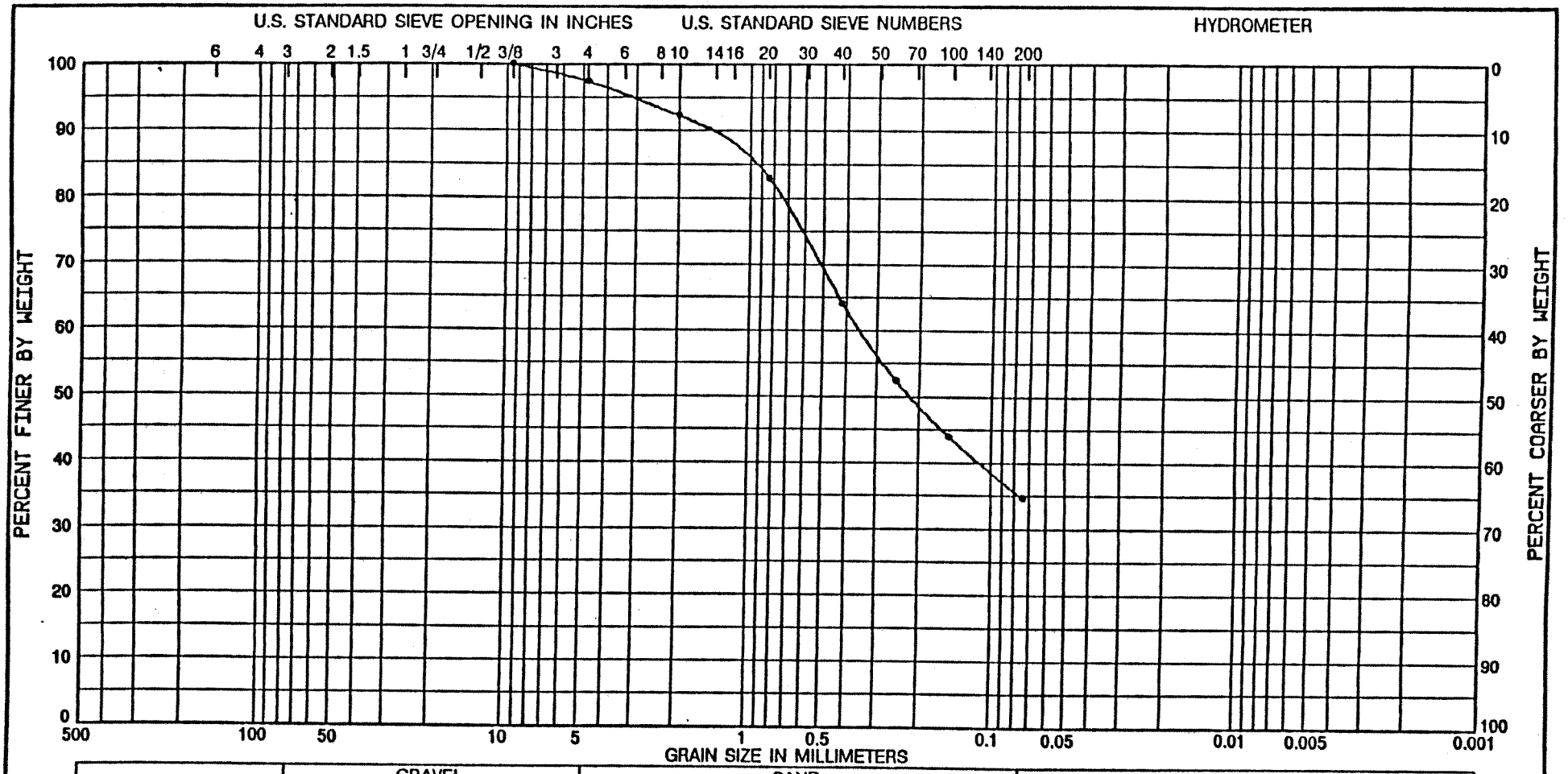
Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
3	52.2-53.7'	Greenish gray clayey sand high LL (SC-H), with a trace of mica. Specific gravity = 2.66	–	52	28	24

Project SAVANNAH HARBOR
PRELIMINARY BORINGS
Lab No. 97/1460
Boring No. SH-323
Date 02/13/92

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 6601
REQUISITION: EN-GG-92-54



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth/Elev	Classification	Nat w%	LL	PL	PI
1	43.3-44.8'	Dk. gray clayey sand high LL (SC-H), with a trace of gravel size weathered rock fragments. Specific gravity = 2.66	–	89	32	57

Project Savannah Harbor
Preliminary Borings
Lab No. 97/1899
Boring No. SH-324
Date 06/07/92

GRADATION CURVES

US Army Corps of Engineers, Environmental & Materials Unit, Marietta, GA

Table 1 - Material Testing Summary

Lab Number	Boring Number	Sample No.	Depth (ft)		LL	PL	PI	%Pass No. 4	%Pass No. 200	MC (%)	SPG	USCS Class.	Color	Description
K6/45	SH413	1	33.8	35.3	--	--	--	94.8	5.9	15.0	2.69	---	(Visual) Dark Grayish Brown	Poorly Graded Silty Sand (SP-SM), with a trace of gravel.
K6/46	SH413	4	38.3	39.8	28	21	7	80.9	9.6	16.1	---	SP-SC	Dark Gray	Poorly Graded Clayey Sand (SP-SC), with a little gravel size and a little sand size shell fragments.
K6/47	SH413	5	40.4	41.9	94	31	63	99.8	34.1	54.9	2.79	SC	Olive Gray	Clayey Sand, High Liquid Limit (SC-H).
K6/48	SH413	10	47.9	49.4	118	45	73	100.0	70.4	75.7	---	CH	Olive	Fat Clay (CH), with some sand. Plots near the A-Line.
K6/49	SH414	3	30.5	32.0	--	--	--	85.1	7.9	13.9	---	---	(Visual) Light Brownish Gray	Well Graded Silty Sand (SW-SM), with a little gravel.
K6/50	SH414	8	38.0	39.5	27	23	4	95.0	9.0	17.3	---	SW-SM	Dark Gray	Well Graded Silty Sand (SW-SM), with a trace of gravel.
K6/51	SH414	9	39.5	41.0	46	32	14	100.0	19.5	29.5	---	SM	Olive Gray	Silty Sand (SM).
K6/52	SH414	12	44.0	45.5	76	33	43	97.7	40.1	48.0	---	SC	Grayish Brown	Clayey Sand, High Liquid Limit (SC-H), with a trace of gravel.
K6/53	SH414	15	48.5	50.0	71	29	42	100.0	39.1	43.1	---	SC	Dark Grayish Brown	Clayey Sand, High Liquid Limit (SC-H).
K6/54	SH415	4	29.1	30.6	NP	NP	NP	100.0	6.4	20.2	---	SP-SM	Brown	Poorly Graded Silty Sand (SP-SM).
K6/55	SH415	7	33.6	35.1	--	--	--	100.0	3.5	20.5	---	SP	(Visual) Gray	Poorly Graded Sand (SP). Insufficient Material for Atterberg Limits, Visual Conducted.
K6/56	SH415	11	39.6	41.1	93	32	61	100.0	56.5	53.2	2.76	CH	Grayish Brown	Sandy Fat Clay (CH).
K6/57	SH415	14	44.1	45.6	110	39	71	100.0	61.9	62.7	---	CH	Dark Grayish Brown	Sandy Fat Clay (CH).
K6/58	SH415	18	50.1	51.6	66	23	43	100.0	56.4	37.1	2.81	CH	Grayish Brown	Sandy Fat Clay (CH).
K6/59	SH416	4	39.5	41.0	--	--	--	99.7	5.6	20.1	---	---	(Visual) Light Yellowish Brown	Poorly Graded Silty Sand (SP-SM). Insufficient Material for Atterberg Limits, Visual Conducted.
K6/60	SH416	9	47.0	48.5	124	48	76	100.0	77.1	70.6	---	CH	Olive Gray	Fat Clay (CH), with some sand. Plots near the A-Line.
K6/61	SH416	12	51.5	53.0	199	89	110	100.0	95.9	91.3	---	MH	Olive Gray	Clayey Inorganic Silt, High Liquid Limit (MH), with a trace of sand.
K6/62	SH417	7	30.0	31.5	--	--	--	100.0	7.8	22.6	2.66	---	(Visual) Grayish Brown	Poorly Graded Silty Sand (SP-SM). Insufficient Material for Atterberg Limits, Visual Conducted.
K6/63	SH417	20	49.5	51.0	96	31	65	94.5	43.4	51.0	2.71	SC	Olive Gray	Clayey Sand, High Liquid Limit (SC-H), with a trace of gravel.
K6/64	SH418	2	47.8	49.3	131	40	91	87.0	57.9	161.0	---	CH	Black	Sandy Fat Clay (CH), with a little gravel.
K6/65	SH418	5	52.3	53.8	124	60	64	100.0	73.2	91.8	---	MH	Olive Gray	Clayey Inorganic Silt High Liquid Limit (MH), with some sand.
K6/66	SH419	3	49.9	51.4	67	26	41	99.3	29.8	48.7	---	SC	Olive Gray	Clayey Sand, High Liquid Limit (SC-H).

US Army Corps of Engineers, Environmental & Materials Unit, Marietta, GA

Table 1 - Material Testing Summary

Lab Number	Boring Number	Sample No.	Depth (ft)		LL	PL	PI	%Pass No. 4	%Pass No. 200	MC (%)	SPG	USCS Class.	Color	Description
K6/67	SH420	3	50.0	51.5	168	78	90	100.0	90.7	88.7	2.65	MH	Olive	Clayey Inorganic Silt High Liquid Limit (MH), with a trace of sand.
K6/68	SH421	3	48.5	50.0	188	63	125	100.0	99.1	116.2	—	CH	Olive Gray	Fat Clay (CH). Plots near the A-Line.
K6/69	SH422	3	48.2	49.7	64	20	44	100.0	9.1	27.7	—	SP-SC	Dark Olive Gray	Poorly Graded Clayey Sand, High Liquid Limit (SP-SC-H).
K6/70	SH423	3	48.4	49.9	40	29	11	100.0	16.4	30.1	2.65	SM	Olive	Silty Sand (SM).
K6/71	SH424	1	44.4	45.9	51	27	24	100.0	26.5	40.2	—	SC	Olive	Silty Clayey Sand, High Liquid Limit (SC-H). Plots near the A-Line.
K6/72	SH424	3	48.4	49.9	51	25	26	100.0	17.2	34.4	—	SC	Olive	Clayey Sand, High Liquid Limit (SC-H).
K6/73	SH425	3	49.7	51.2	52	25	27	99.5	17.6	31.5	—	SC	Olive	Clayey Sand, High Liquid Limit (SC-H).
K6/74	SH426	3	49.3	50.8	71	20	51	99.4	51.5	49.5	—	CH	Dark Gray & Olive	Sandy Fat Clay (CH).
K6/75	SH427	2	48.0	49.5	31	25	6	97.1	8.5	20.2	2.73	SP-SM	Olive Gray	Poorly Graded Silty Sand (SP-SM), with a trace of gravel size and a little sand size shell fragments.
K6/76	SH428	3	45.6	47.1	NP	NP	NP	100.0	17.1	20.3	—	SM	Olive Gray	Silty Sand (SM), with a trace of sand size shell fragments.
K6/77	SH428	4	47.1	48.6	NP	NP	NP	99.7	15.3	22.3	—	SM	Olive Gray	Silty Sand (SM), with a trace of sand size shell fragments.
K6/78	SH429	2	47.9	49.4	NP	NP	NP	100.0	18.5	33.5	—	SM	Dark Gray & Olive Gray	Silty Sand (SM).
K6/79	SH429	4	50.9	52.4	NP	NP	NP	99.7	8.1	24.9	—	SP-SM	Olive	Poorly Graded Silty Sand (SP-SM).
K6/80	SH430	3	48.5	50.0	NP	NP	NP	100.0	10.9	12.0	2.70	SW-SM	Olive Gray	Well Graded Silty Sand (SW-SM).
K6/81	SH431	2	48.6	50.1	NP	NP	NP	98.8	9.5	22.4	2.73	SP-SM	Olive Gray	Poorly Graded Silty Sand (SP-SM), with a trace of gravel size and a little sand size shell fragments.
K6/82	SH431	9	60.6	62.1	NP	NP	NP	100.0	12.8	24.1	2.70	SM	Olive Gray	Silty Sand (SM).
K6/83	SH432	2	46.0	48.0	--	--	--	93.3	8.7	23.5	2.73	—	(Visual) Olive Gray	Poorly Graded Silty Sand (SP-SM), with a trace of gravel size and some sand size shell fragments.
K6/84	SH433	1	46.4	47.9	NP	NP	NP	99.9	8.4	25.2	2.72	SP-SM	Very Dark Gray	Poorly Graded Silty Sand (SP-SM), with a little sand size shell fragments.
K6/85	SH433	5	55.4	56.9	120	31	89	100.0	84.7	85.8	2.77	CH	Olive Gray	Fat Clay (CH), with a little sand.
K6/86	SH434	1	49.2	50.7	NP	NP	NP	99.5	12.9	30.3	—	SM	Dark Olive Gray	Silty Sand (SM), with a trace of sand size shell fragments.
K6/87	SH435	3	54.0	54.7	--	--	--	96.3	5.8	19.3	2.73	—	(Visual) Olive Gray & White	Well Graded Silty Sand (SW-SM), with a trace of gravel size and a trace of sand size shell fragments. Insufficient Material for Atterberg Limits, Visual Conducted.

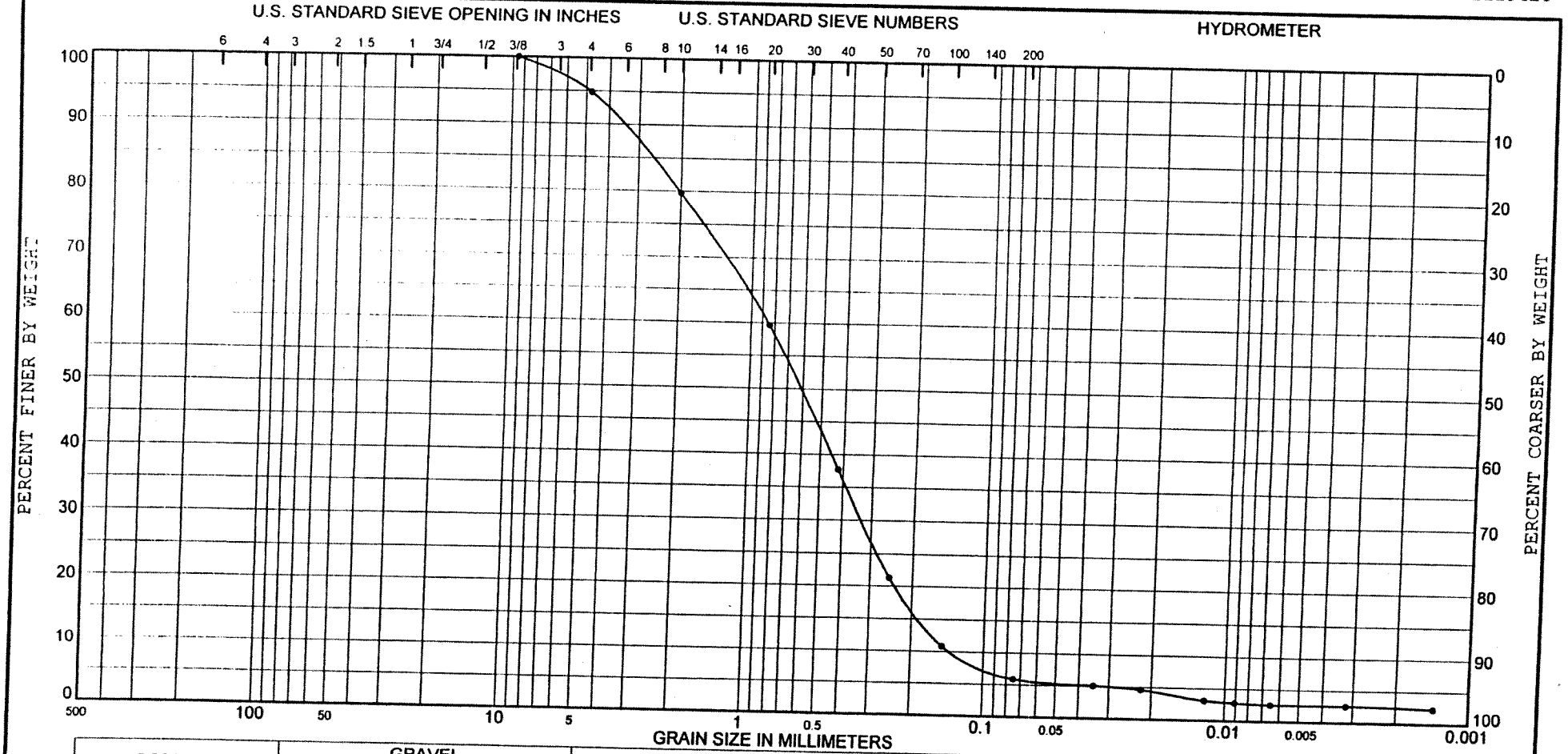
US Army Corps of Engineers, Environmental & Materials Unit, Marietta, GA

Table 1 - Material Testing Summary

Lab Number	Boring Number	Sample No.	Depth (ft)		LL	PL	PI	%Pass No. 4	%Pass No. 200	MC (%)	SPG	USCS Class.	Color	Description
K6/88	SH436	1	49.2	50.1	NP	NP	NP	99.0	3.4	19.0	2.70	SP	Olive Gray	Poorly Graded Sand (SP), with a trace of sand size shell fragments.
K6/89	SH436	3	50.7	52.2	NP	NP	NP	97.7	5.8	13.7	---	SW-SM	Olive Gray	Well Graded Silty Sand (SW-SM), with a trace of gravel.
K6/90	SH437	1	51.6	53.1	NP	NP	NP	100.0	8.2	16.3	2.73	SW-SM	Olive Gray	Well Graded Silty Sand (SW-SM).
K6/91	SH437	5	59.1	60.0	36	22	14	100.0	10.8	23.5	2.83	SP-SC	Dark Olive Gray	Poorly Graded Clayey Sand (SP-SC).
K6/92	SH439	1	43.5	45.0	NP	NP	NP	99.5	15.6	31.8	---	SM	Gray	Silty Sand (SM), with a trace of sand size shell fragments.
K6/93	SH439	3	46.5	48.0	NP	NP	NP	100.0	13.6	23.4	---	SM	Olive Gray	Silty Sand (SM).
K6/94	SH439	5	50.0	51.0	47	24	23	100.0	20.9	36.4	---	SC	Olive	Clayey Sand (SC).
K6/95	SH441	2	46.5	48.5	NP	NP	NP	100.0	12.5	28.7	---	SM	Dark Olive Gray	Silty Sand (SM), with a trace of sand size shell fragments.
K6/96	SH441	6	53.0	54.5	--	--	--	100.0	15.7	27.5	---	---	(Visual) Dark Gray	Well Graded Sand (SW).
K6/97	SH442	1	47.4	48.9	NP	NP	NP	97.6	8.0	15.7	---	SW-SM	Olive	Well Graded Silty Sand (SW-SM), with a trace of gravel size and sand size shell fragments.
K6/98	SH442	6	56.4	57.9	34	24	10	99.0	6.0	20.7	---	SP-SM	Dark Olive Gray & White	Poorly Graded Silty Sand (SP-SM), with a trace of gravel size and sand size shell fragments. Plots near the A-Line.
K6/99	SH443	1	48.8	50.3	NP	NP	NP	97.7	2.8	20.5	---	SP	Olive Gray	Poorly Graded Sand (SP), with a trace of gravel.
K6/100	SH443	3	52.8	53.3	117	33	84	100.0	95.9	106.3	---	CH	Dark Gray	Fat Clay (CH), with a trace of sand.
K6/101	SH443	5	54.8	56.3	109	38	71	99.3	38.3	55.3	---	SC	Dark Olive Gray	Clayey Sand, High Liquid Limit (SC-H), with a trace of sand size shell fragments.

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
1	33.8 - 35.3	(Visual) Dark Grayish Brown, Poorly Graded Silty Sand (SP-SM), with a trace of gravel.	15.0			
		Specific Gravity = 2.685.				

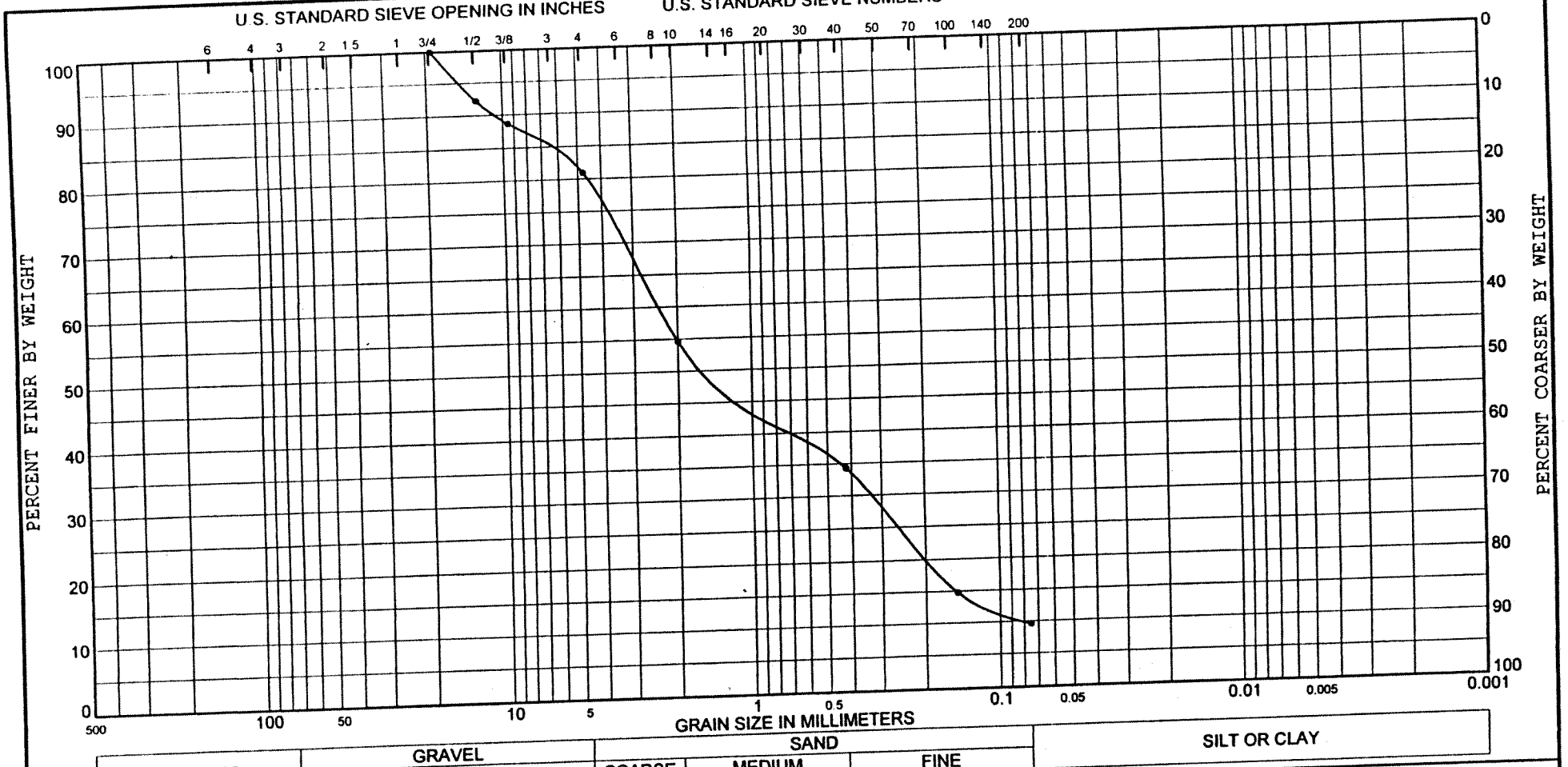
Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/45
Boring No. SH413
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
4	38.3 - 39.8	Dark Gray, Poorly Graded Clayey Sand (SP-SC), with a little gravel size and a little sand size shell fragments.	16.1	28	21	7

Project Savannah Harbor

Harbor Expansion, Savannah, Georgia

Lab No. K6/46

Boring No. SH413

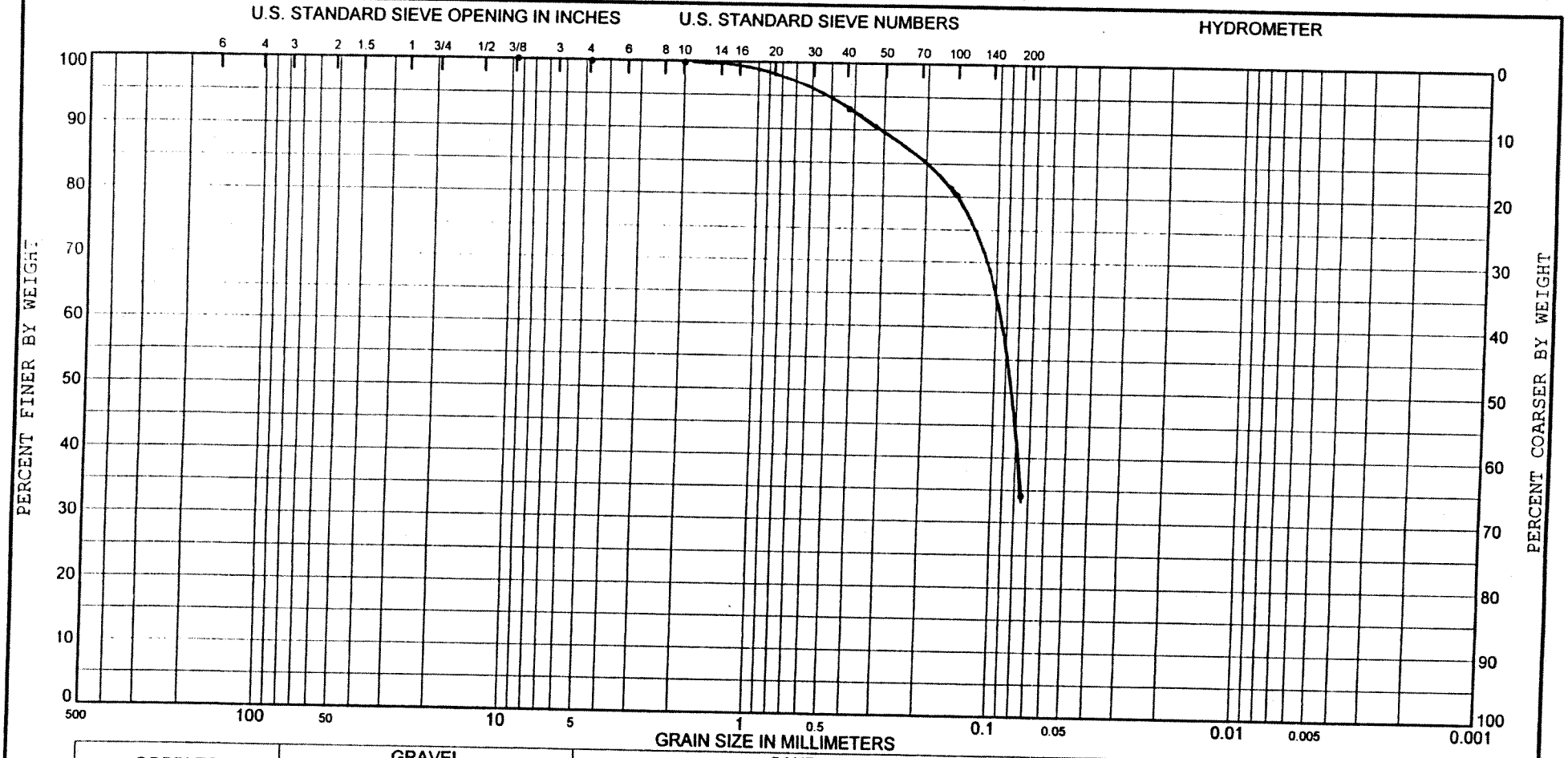
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
5	40.4 - 41.9	Olive Gray, Clayey Sand, High Liquid Limit (SC-H).	54.9	94	31	63
		Specific Gravity = 2.787.				

Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/47
Boring No. SH413
Date 10/7/02

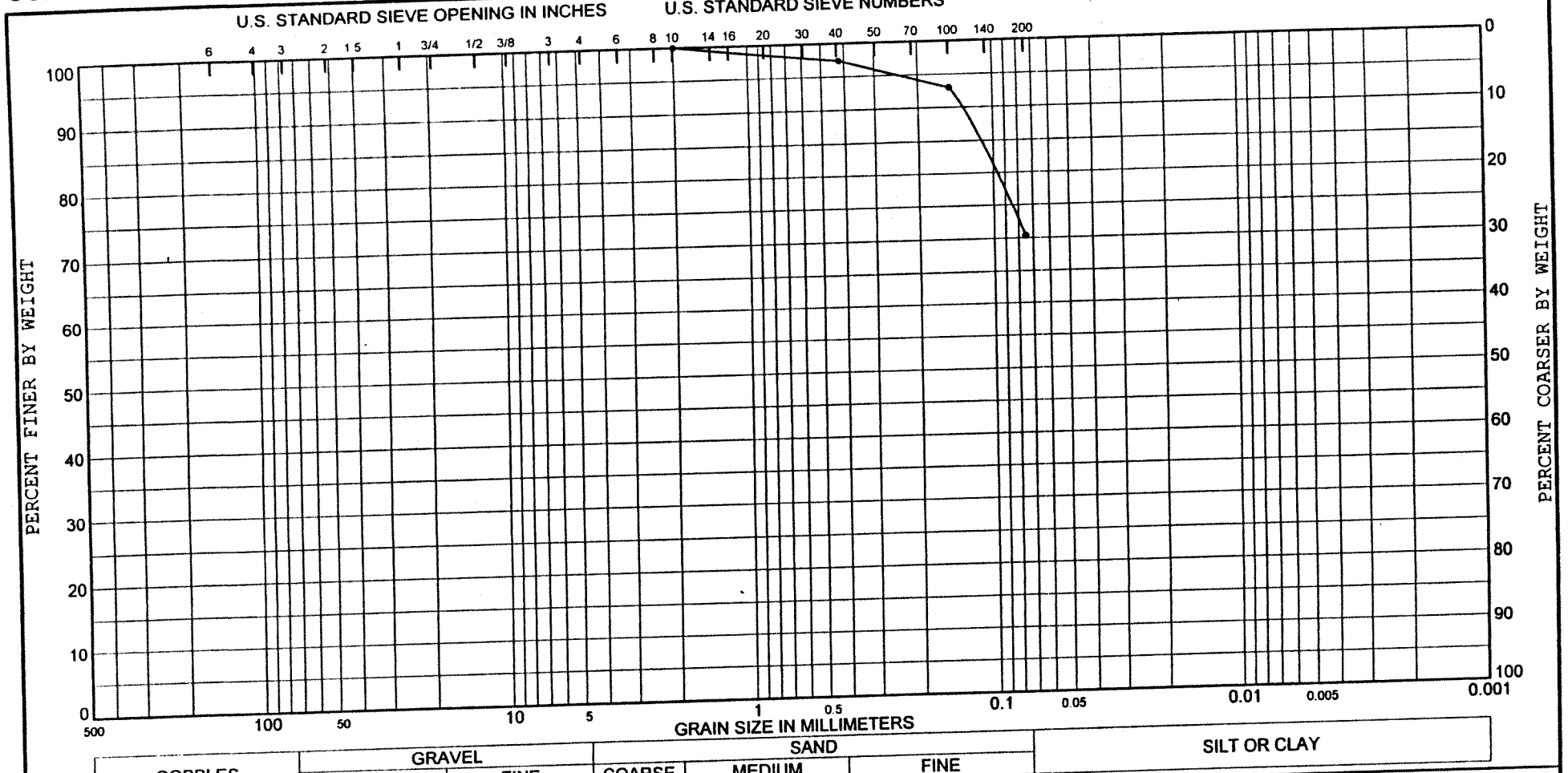
Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

WORK ORDER: 240e

REQUISITION: W33SJG22119420

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062



Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
10	47.9 - 49.4	Olive, Fat Clay (CH), with some sand.	75.7	118	45	73
		Plots near the A-Line.				

Project Savannah Harbor

Harbor Expansion, Savannah, Georgia

Lab No. K6/48

Boring No. SH413

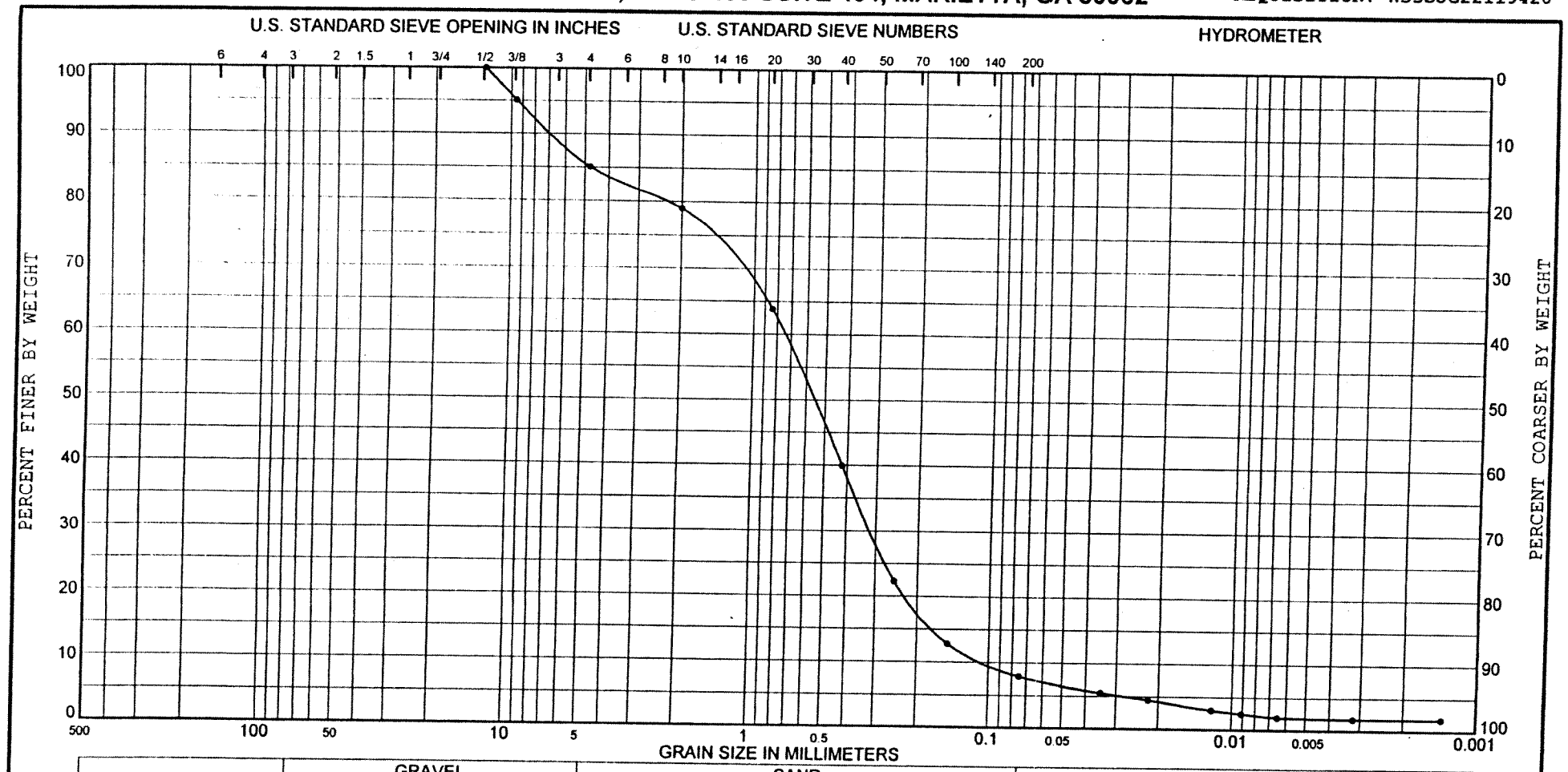
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
3	30.5 - 32.0	(Visual) Light Brownish Gray, Well Graded Silty Sand (SW-SM), with a little gravel.	13.9			

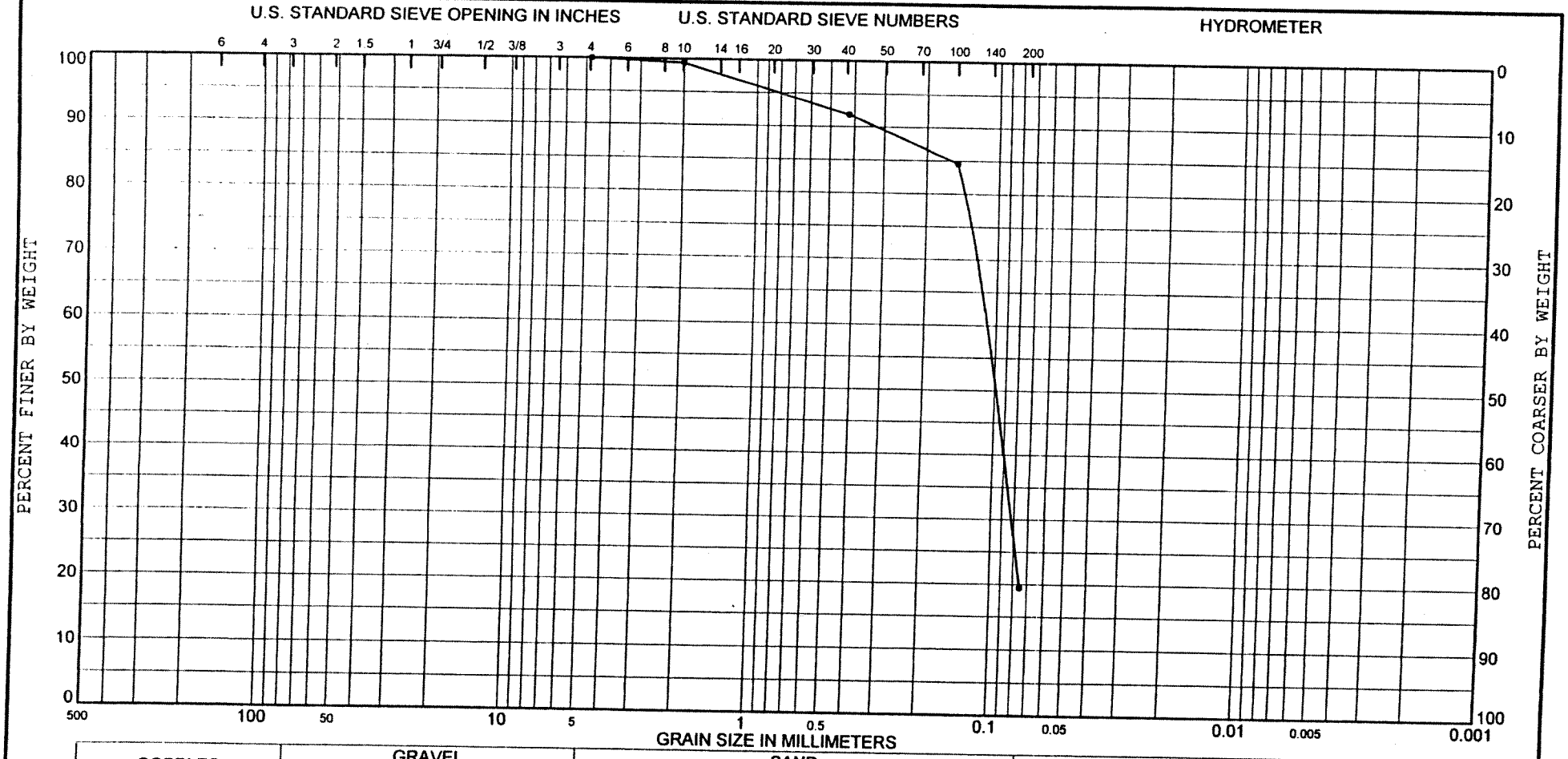
Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/49
Boring No. SH414
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
9	39.5 - 41.0	Olive Gray, Silty Sand (SM).	29.5	46	32	14

Project Savannah Harbor

Harbor Expansion, Savannah, Georgia

Lab No. K6/51

Boring No. SH414

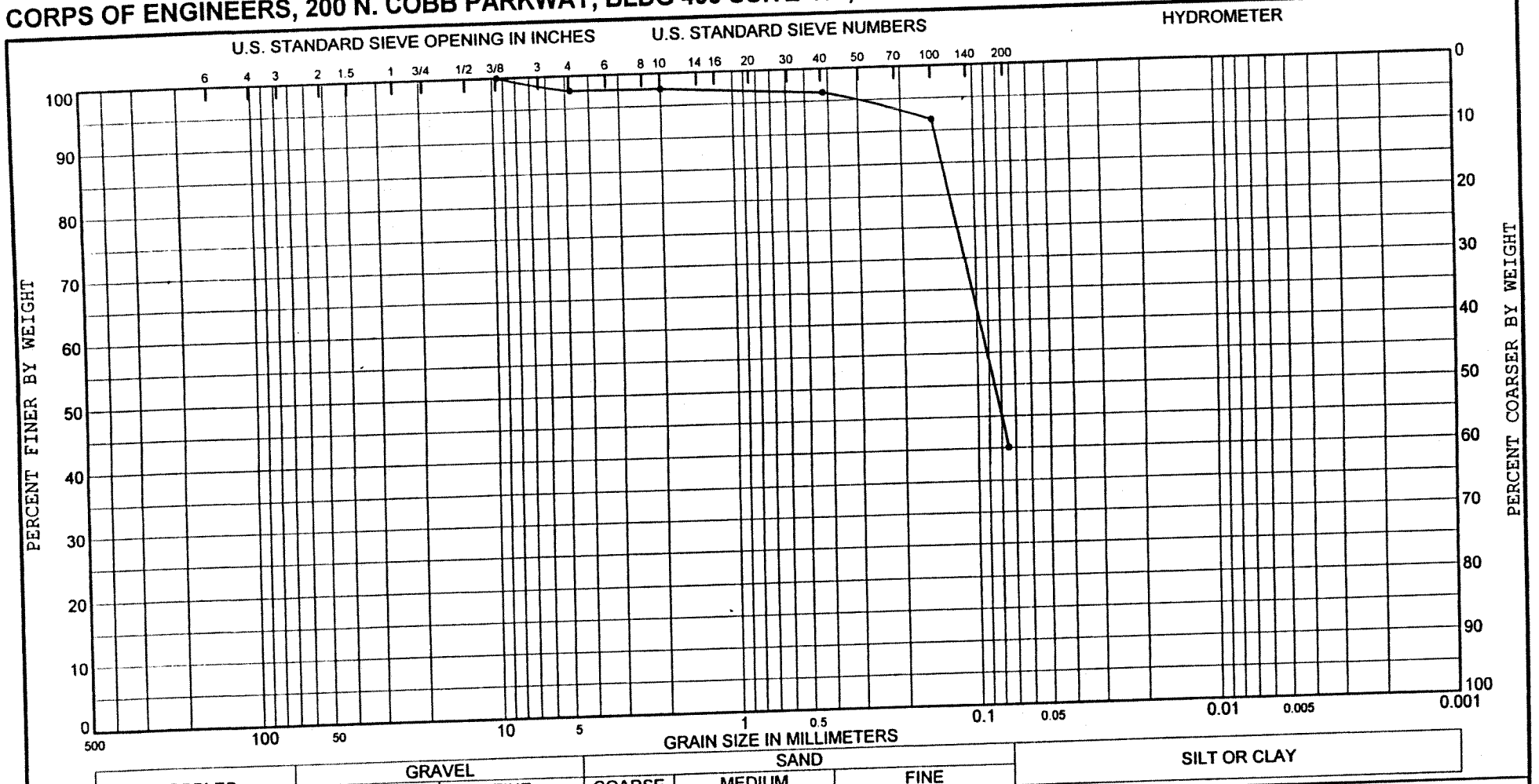
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
12	44.0 - 45.5	Grayish Brown, Clayey Sand, High Liquid Limit (SC-H), with a trace of gravel.	48.0	76	33	43

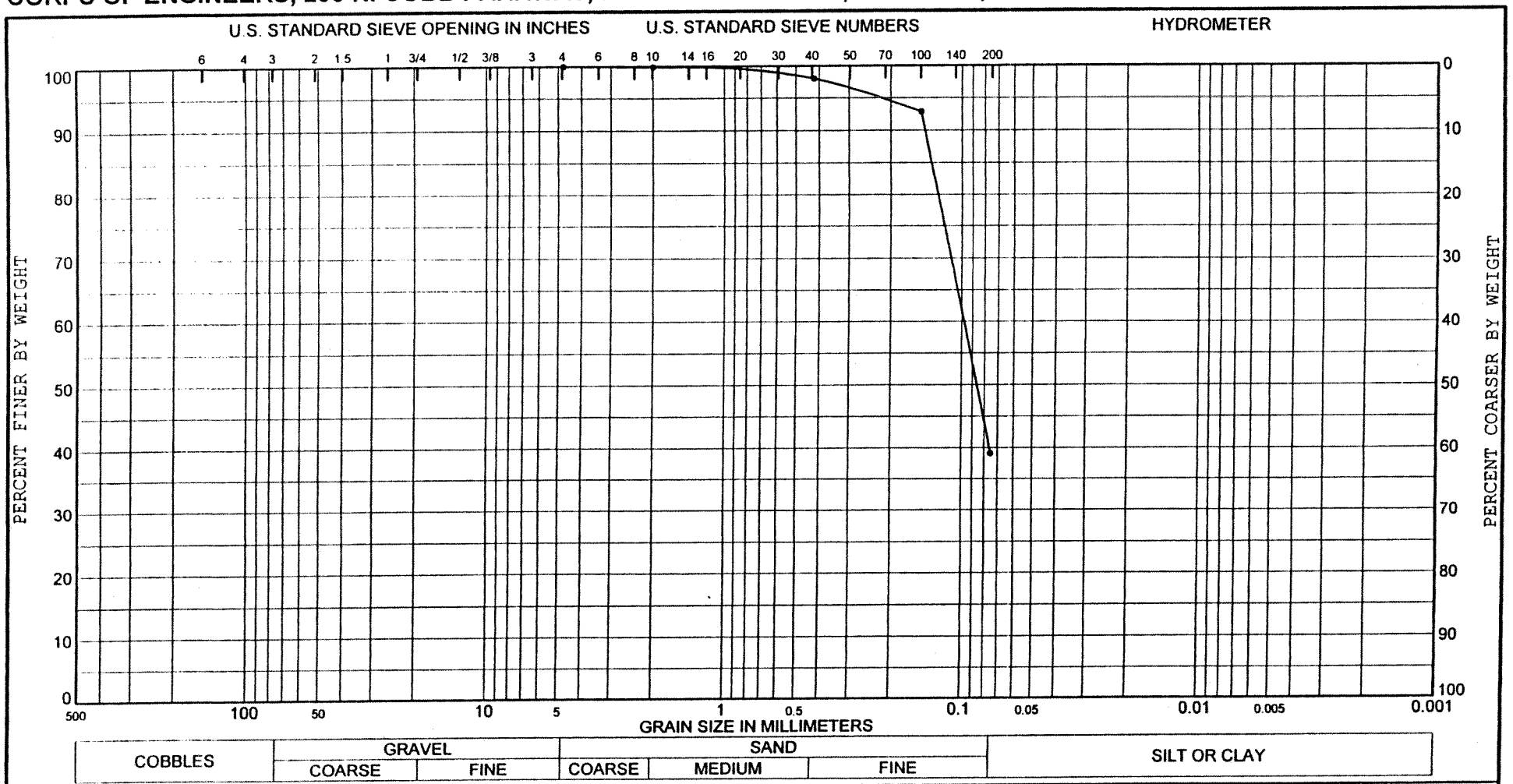
Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/52
Boring No. SH414
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
15	48.5 - 50.0	Dark Grayish Brown, Clayey Sand, High Liquid Limit (SC-H).	43.1	71	29	42

Project Savannah Harbor

Harbor Expansion, Savannah, Georgia

Lab No. K6/53

Boring No. SH414

Date 10/7/02

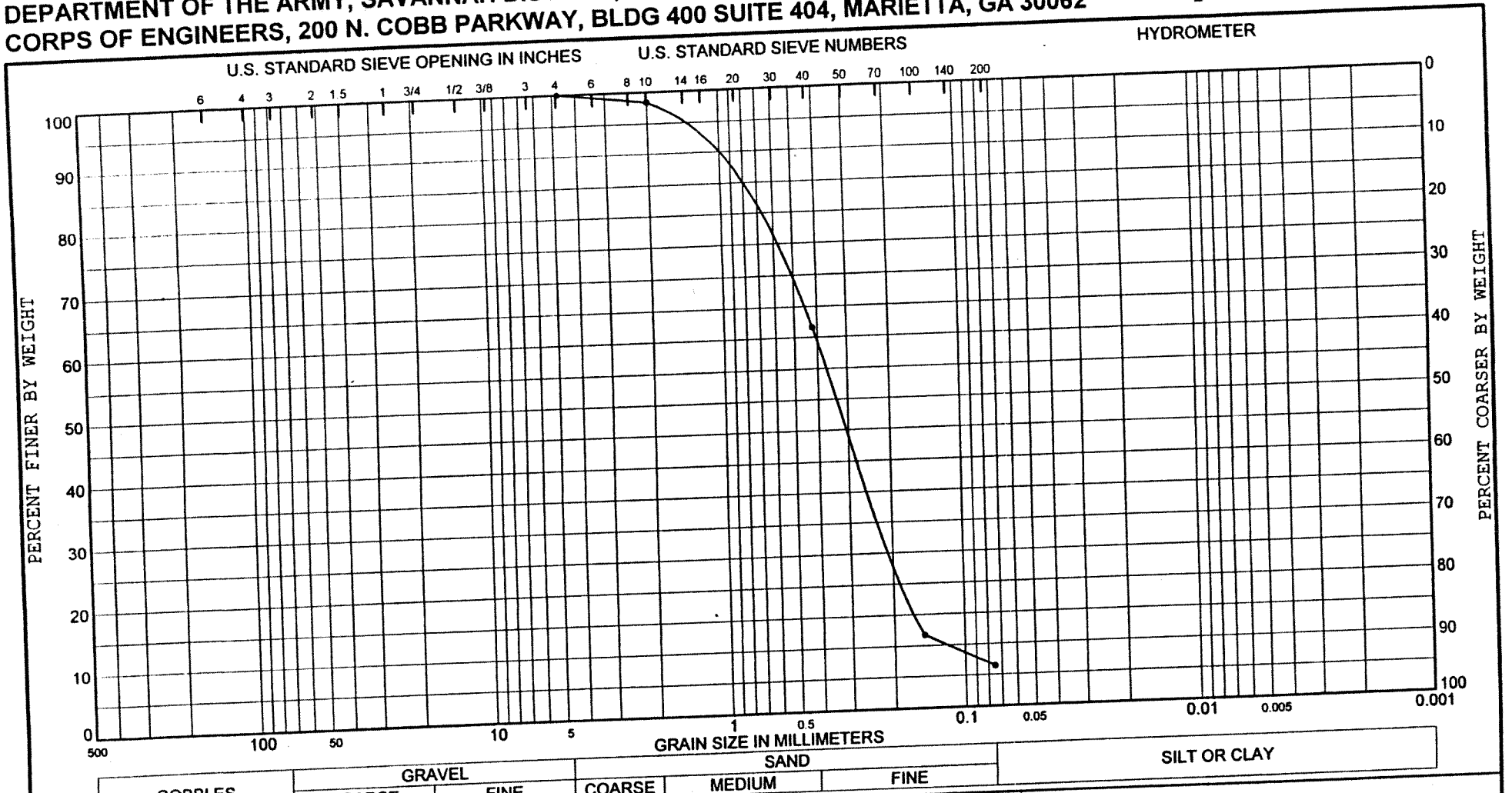
Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

WORK ORDER: 240e

REQUISITION: W33SJG22119420

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062



Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
4	29.1 - 30.6	Brown, Poorly Graded Silty Sand (SP-SM).	20.2	NP	NP	NP

Project Savannah Harbor

Harbor Expansion, Savannah, Georgia

Lab No. K6/54

Boring No. SH415

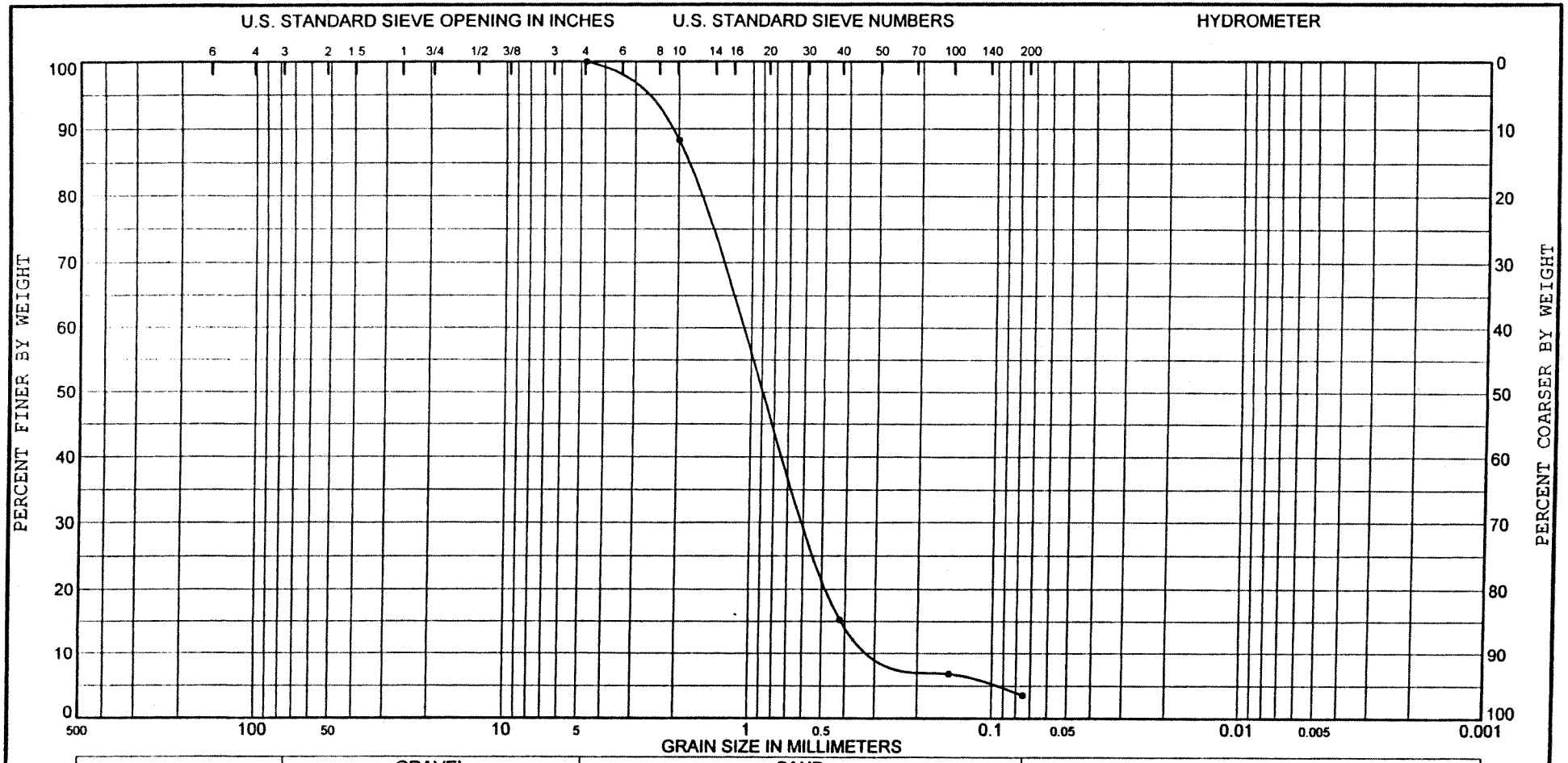
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
7	33.6 - 35.1	(Visual) Gray, Poorly Graded Sand (SP).	20.5			
		Insufficient Material for Atterberg Limits, Visual Conducted.				

Project Savannah Harbor

Harbor Expansion, Savannah, Georgia

Lab No. K6/55

Boring No. SH415

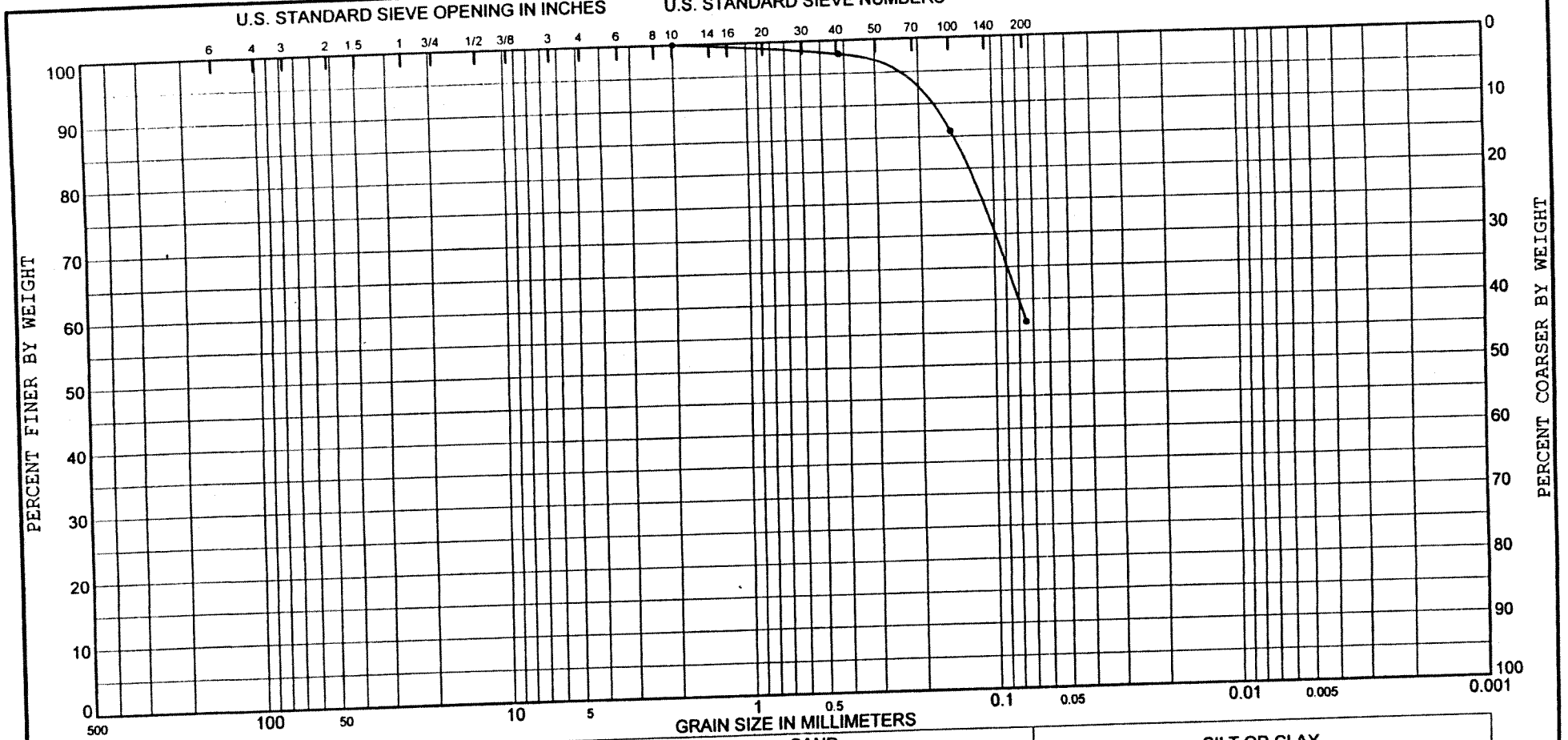
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
11	39.6 - 41.1	Grayish Brown, Sandy Fat Clay (CH).	53.2	93	32	61
		Specific Gravity = 2.758.				

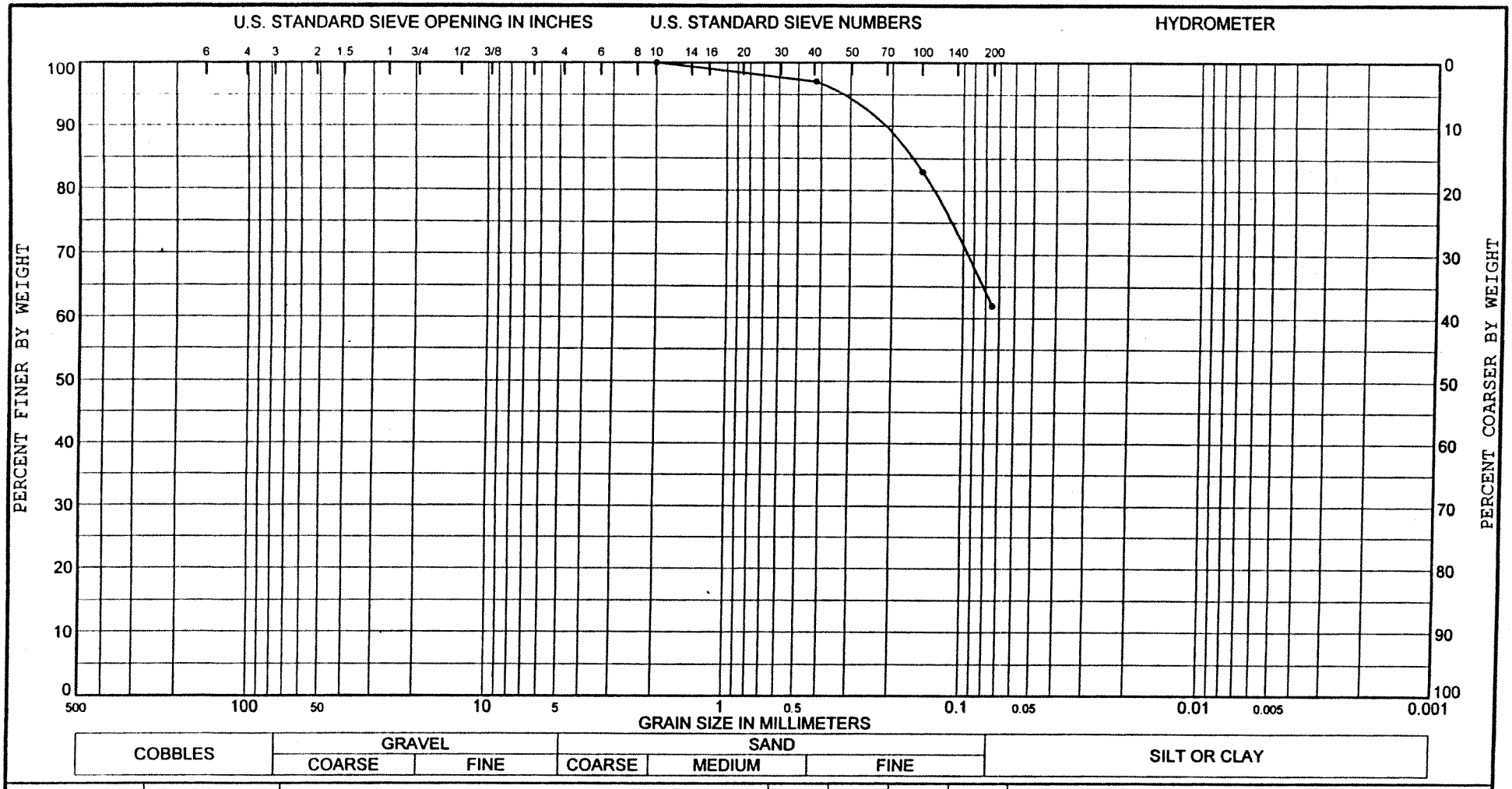
Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/56
Boring No. SH415
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
14	44.1 - 45.6	Dark Grayish Brown, Sandy Fat Clay (CH).	62.7	110	39	71

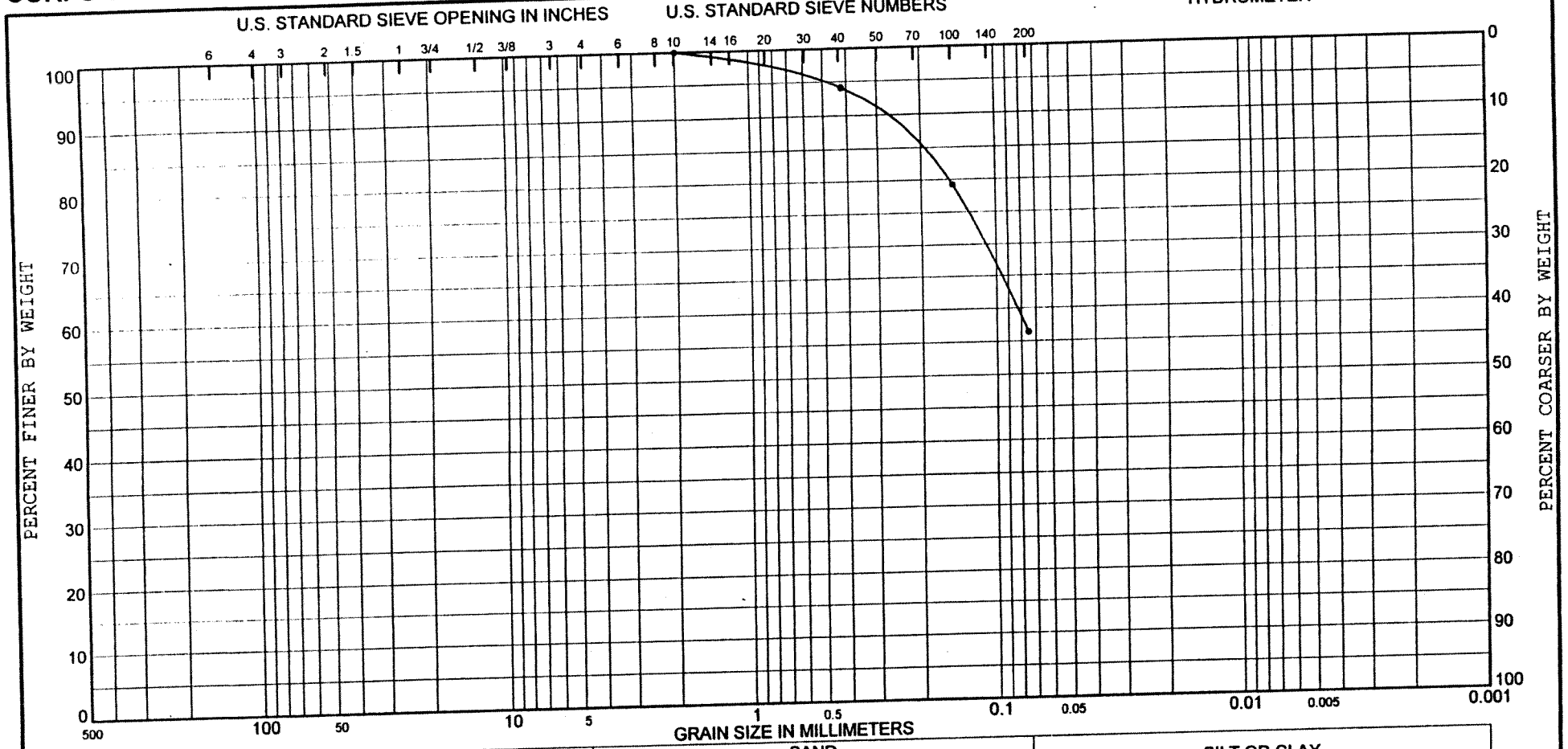
Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/57
Boring No. SH415
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
18	50.1 - 51.6	Grayish Brown, Sandy Fat Clay (CH).	37.1	66	23	43
		Specific Gravity = 2.807.				

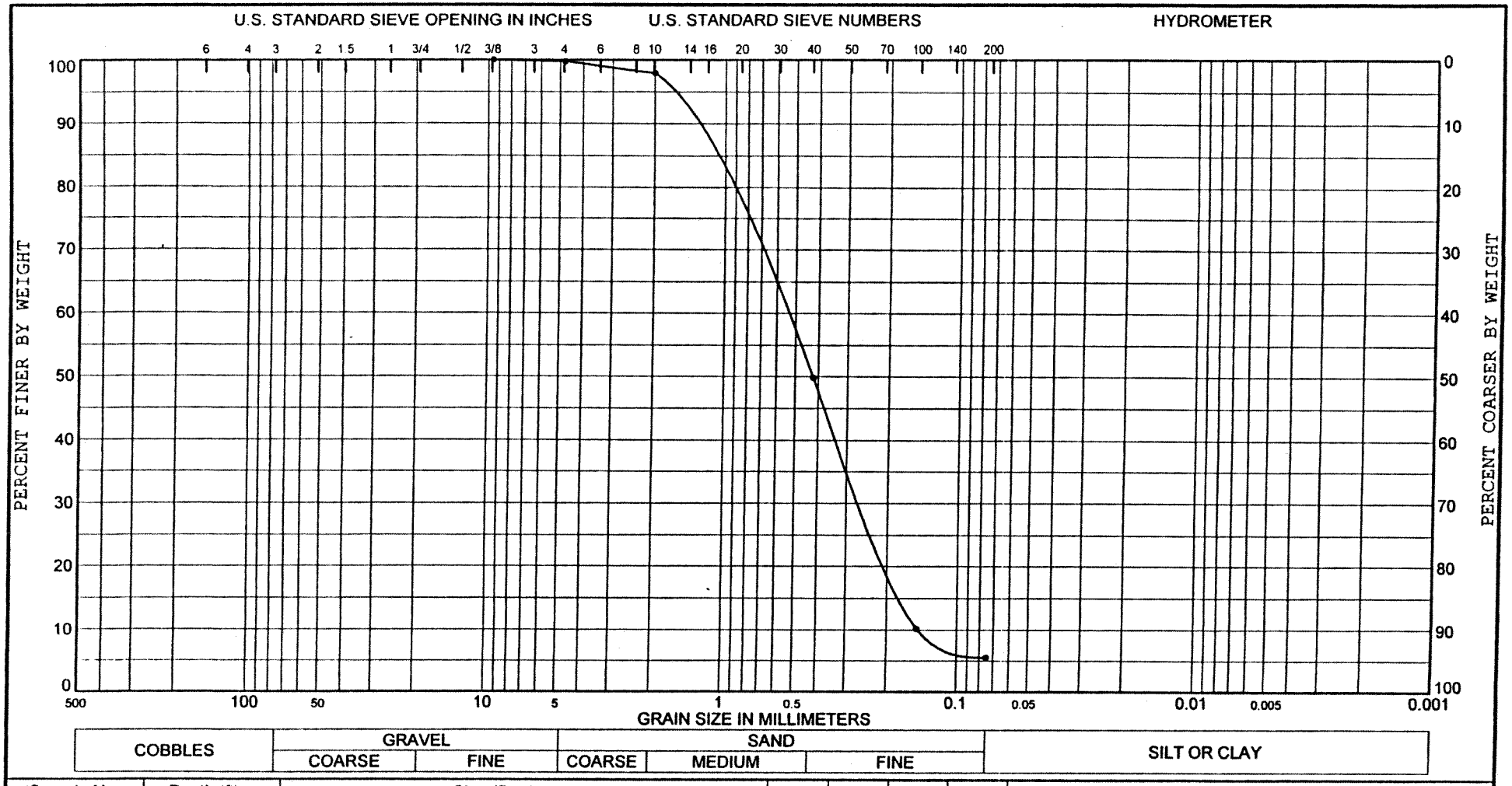
Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/58
Boring No. SH415
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
4	39.5 - 41.0	(Visual) Light Yellowish Brown, Poorly Graded Silty Sand	20.1			
		(SP-SM).				
		Insufficient Material for Atterberg Limits, Visual Conducted.				

Project Savannah Harbor

Harbor Expansion, Savannah, Georgia

Lab No. K6/59

Boring No. SH416

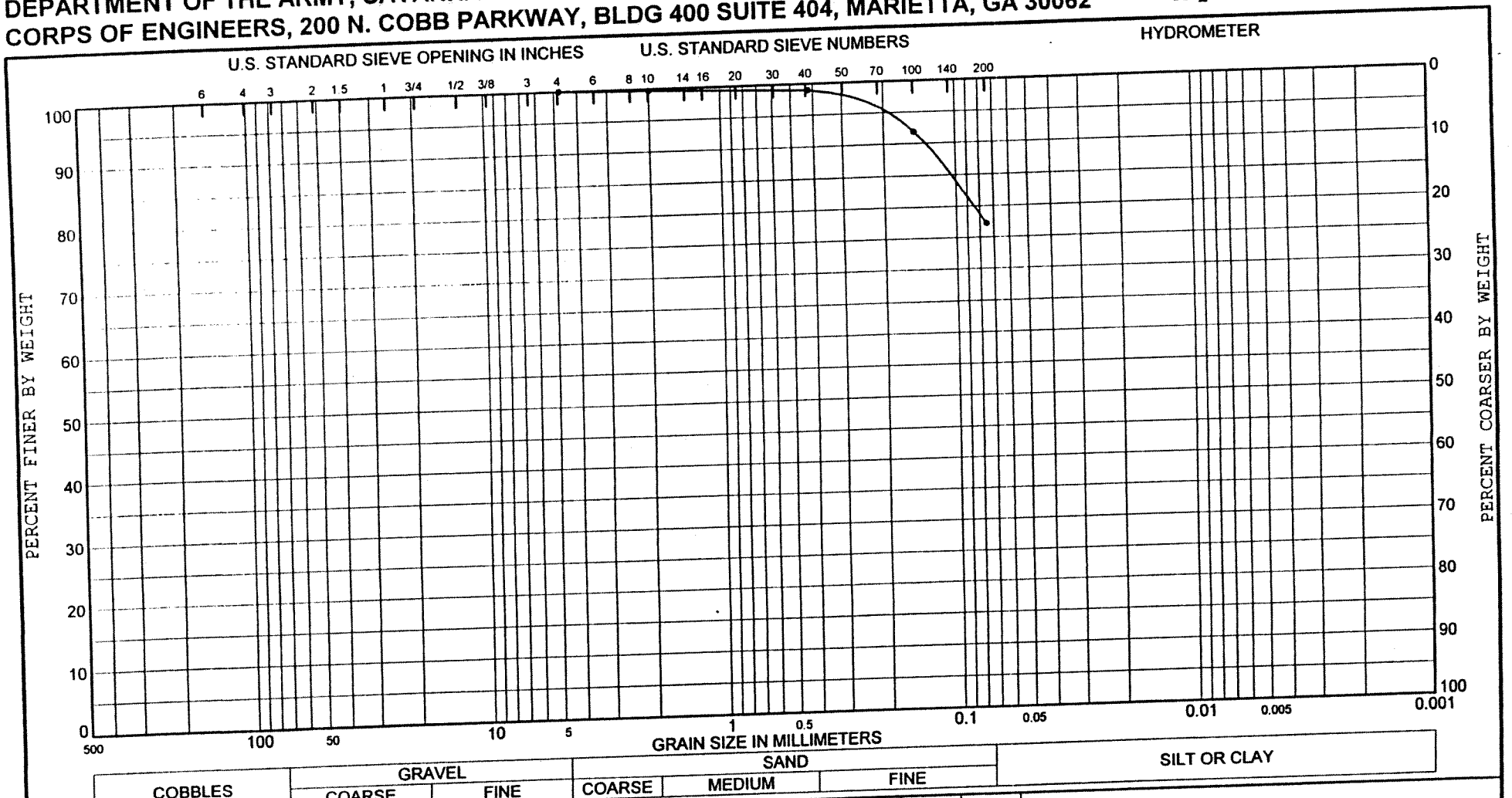
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
9	47.0 - 48.5	Olive Gray, Fat Clay (CH), with some sand.	70.6	124	48	76
		Plots near the A-Line.				

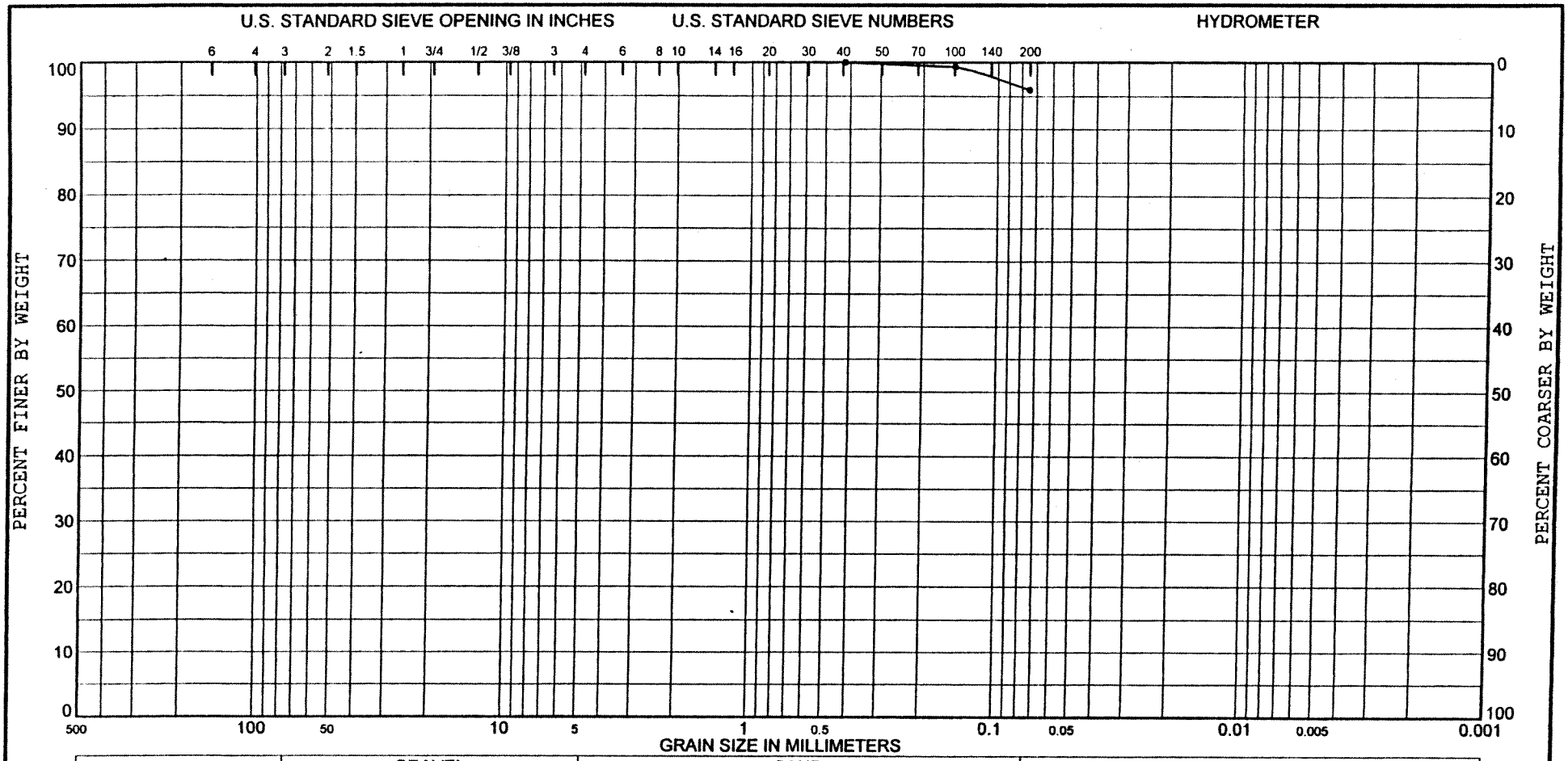
Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/60
Boring No. SH416
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
12	51.5 - 53.0	Olive Gray, Clayey Inorganic Silt, High Liquid Limit (MH), with a trace of sand.	91.3	199	89	110

Project Savannah Harbor

Harbor Expansion, Savannah, Georgia

Lab No. K6/61

Boring No. SH416

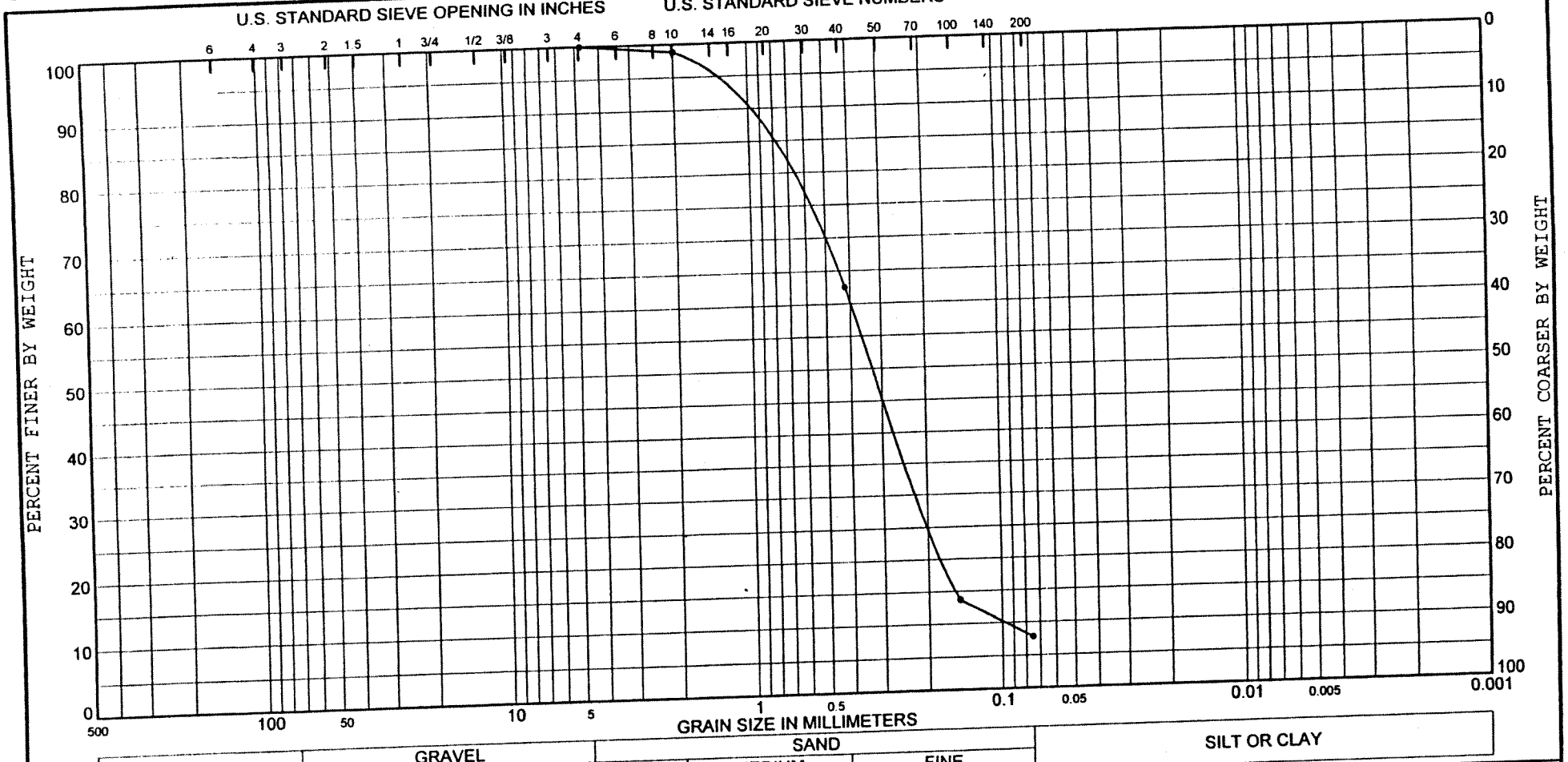
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
7	30.0 - 31.5	(Visual) Grayish Brown, Poorly Graded Silty Sand (SP-SM).	22.6			
		Insufficient Material for Atterberg Limits, Visual Conducted. Specific Gravity = 2.663.				

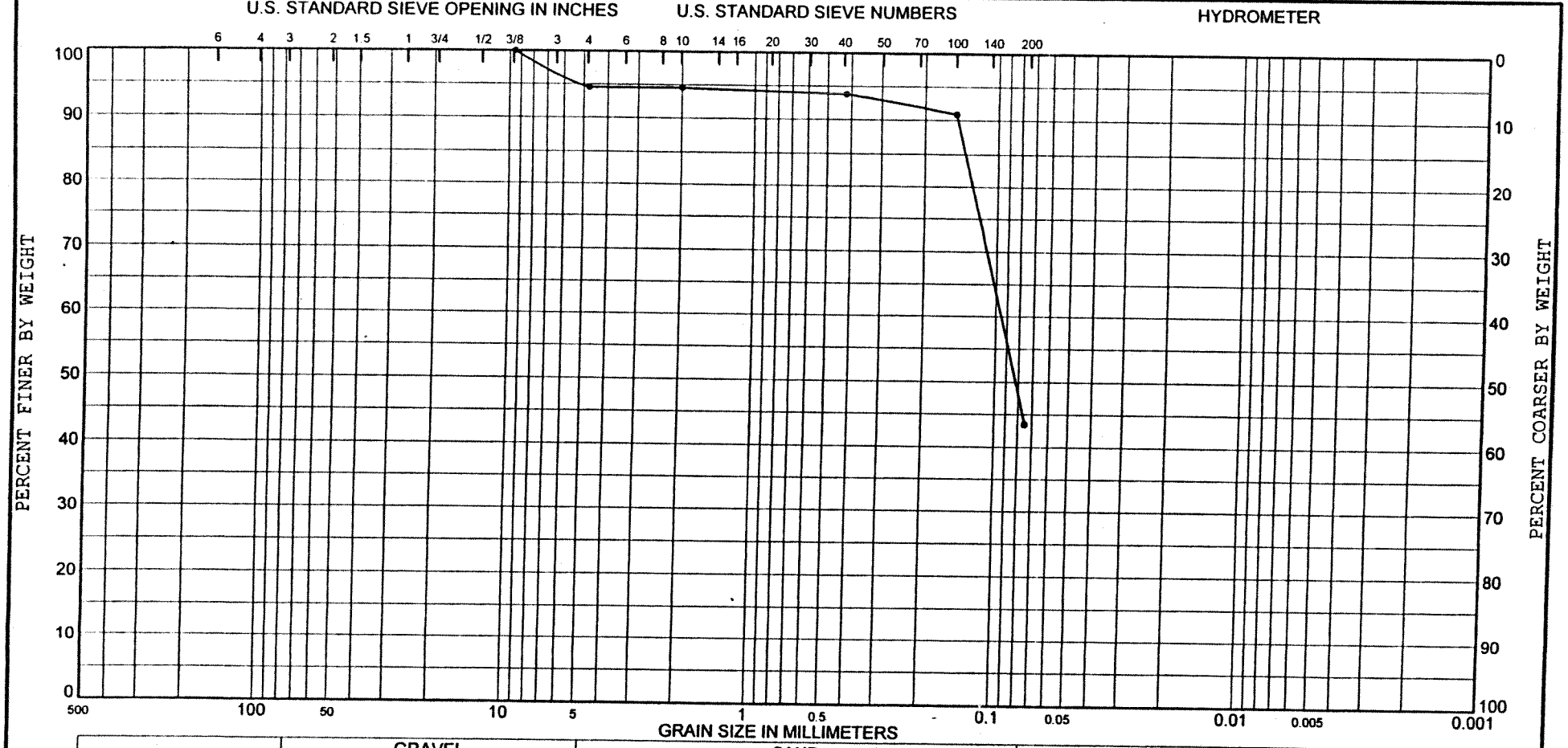
Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/62
Boring No. SH417
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487.

GRADATION CURVES

DEPARTMENT OF THE ARMY, SAVANNAH DISTRICT, ENVIRONMENTAL & MATERIALS UNIT
CORPS OF ENGINEERS, 200 N. COBB PARKWAY, BLDG 400 SUITE 404, MARIETTA, GA 30062

WORK ORDER: 240e
REQUISITION: W33SJG22119420



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Depth (ft)	Classification	Nat w%	LL	PL	PI
20	49.5 - 51.0	Olive Gray, Clayey Sand, High Liquid Limit (SC-H), with a trace of gravel.	51.0	96	31	65
		Specific Gravity = 2.713.				

Project Savannah Harbor
Harbor Expansion, Savannah, Georgia
Lab No. K6/63
Boring No. SH417
Date 10/7/02

Tests Conducted in General Accordance with ASTM's D422, D4318, D854, & D2487

GRADATION CURVES