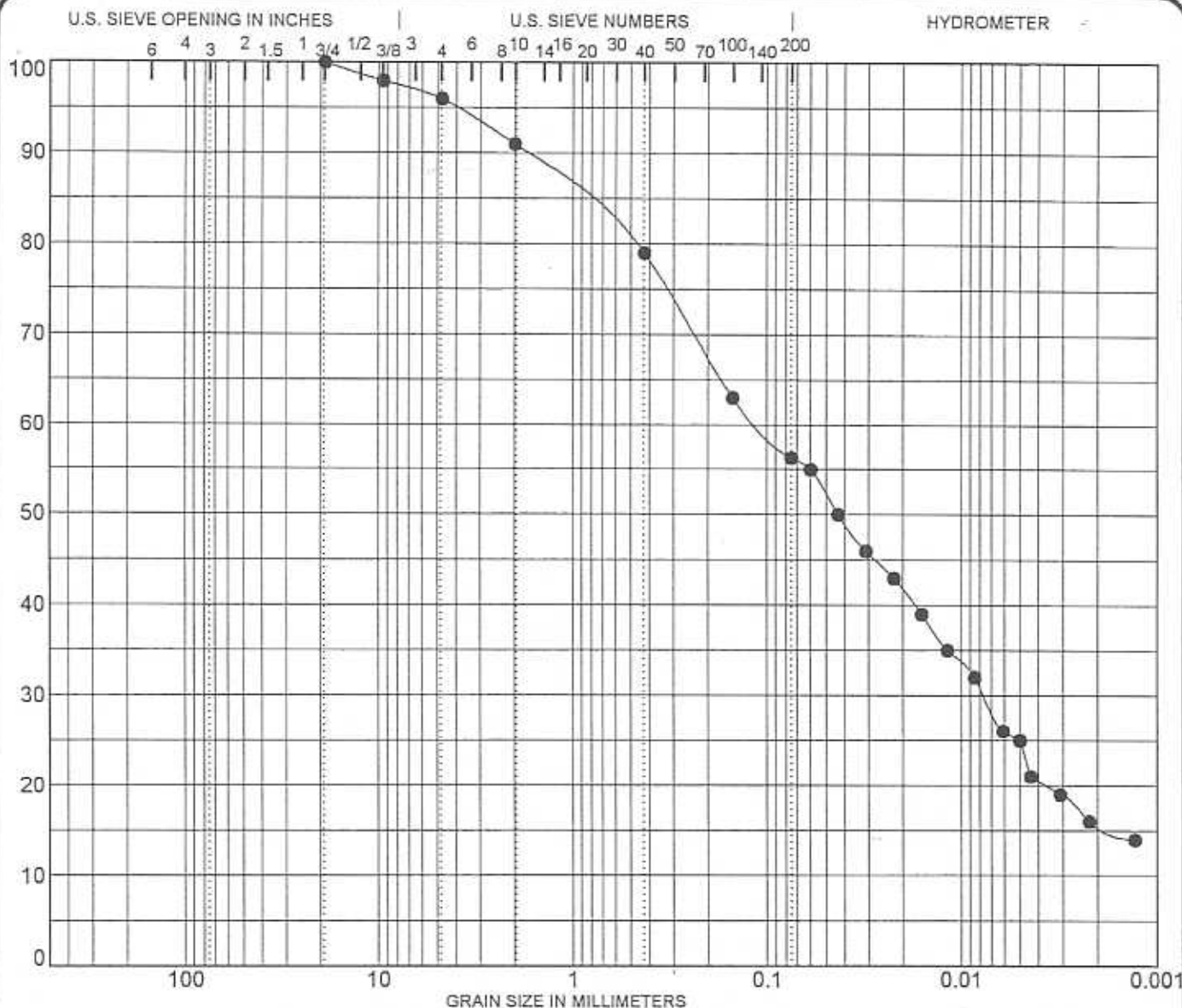


TSC Laboratory Test Results

This attachment contains the results of geotechnical tests performed at the Testing Services Corporation laboratory in Carol Stream, Illinois. The TSC laboratory is certified by the ASTM as meeting certification requirements described in ASTM D 3740-01, *Standard Practice for Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock Used in Engineering Design and Construction*. TSC has performed the geotechnical tests on soil samples collected from the EGC ESP Site in July and August, 2002. The following tests were performed by TSC in accordance with ASTM standards, and the corresponding results are included in this attachment:

- ASTM D 1587-00, *Standard Practice for Thin-Walled Tube Sampling of Soils for Geotechnical Purposes*: Total of 17 tests
- ASTM D 2216-98, *Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass*: Total of 21 tests
- ASTM D 2166-00, *Standard Test Method for Unconfined Compressive Strength of Cohesive Soil*: Total of 13 tests
- ASTM D 2974-00, *Standard Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils*: Total of 4 tests
- ASTM D 1140-00, *Standard Test Methods for Amount of Material in Soils Finer than the No. 200 (75 μ m) Sieve*: Total of 17 tests
- ASTM D 422-63, *Standard Test Method for Particle-Size Analysis of Soils*: Total of 17 tests
- ASTM D 2435-96, *Standard Test Method for One Dimensional Consolidation Properties of Soils*: Total of 3 tests
- ASTM D 2850-95, *Standard Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils*: Total of 2 tests
- ASTM D 4767-02, *Standard Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils*: Total of 1 test

The results in this attachment are organized by boring number and sample number. Multiple tests were performed on each soil sample.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

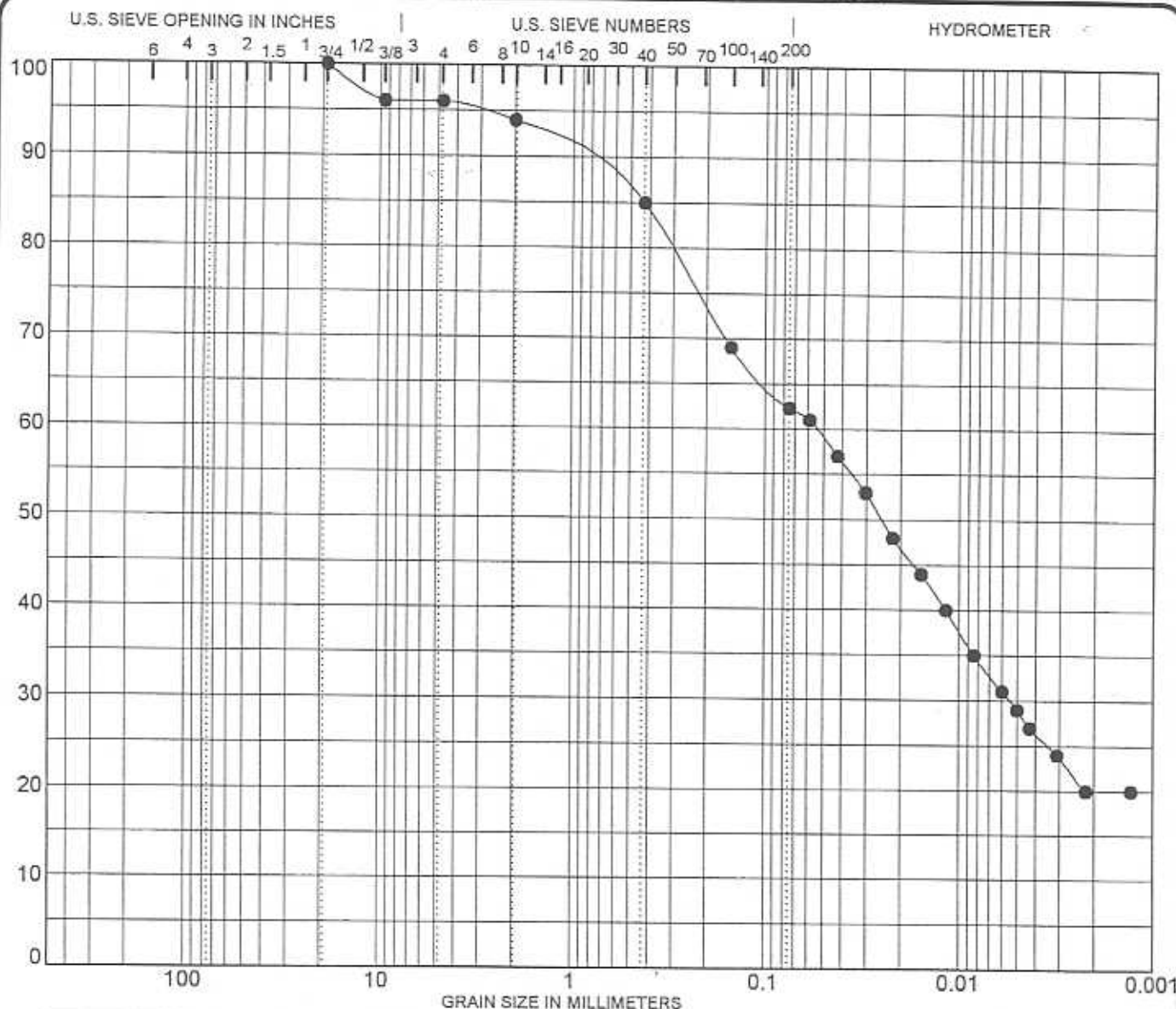
SPECIMEN IDENTIFICATION		SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 1		3 inch	100	Brown sandy CLAY, trace gravel (CL)				
Sample: ST-2		2	100					
Depth: 5.0'-7.0'		1 1/2	100					
		1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:		3/4	100	4	40	31	25	
		3/8	98					
		# 4	96	γ dry (pcf)	MC%	LL	PL	PI
		# 10	91	111.4	14.7	22	14	8
		# 40	79					
		# 100	63	Qu (tons/ft ²)	LOI%			
		# 200	56	1.05	1.9			

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

REV3



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

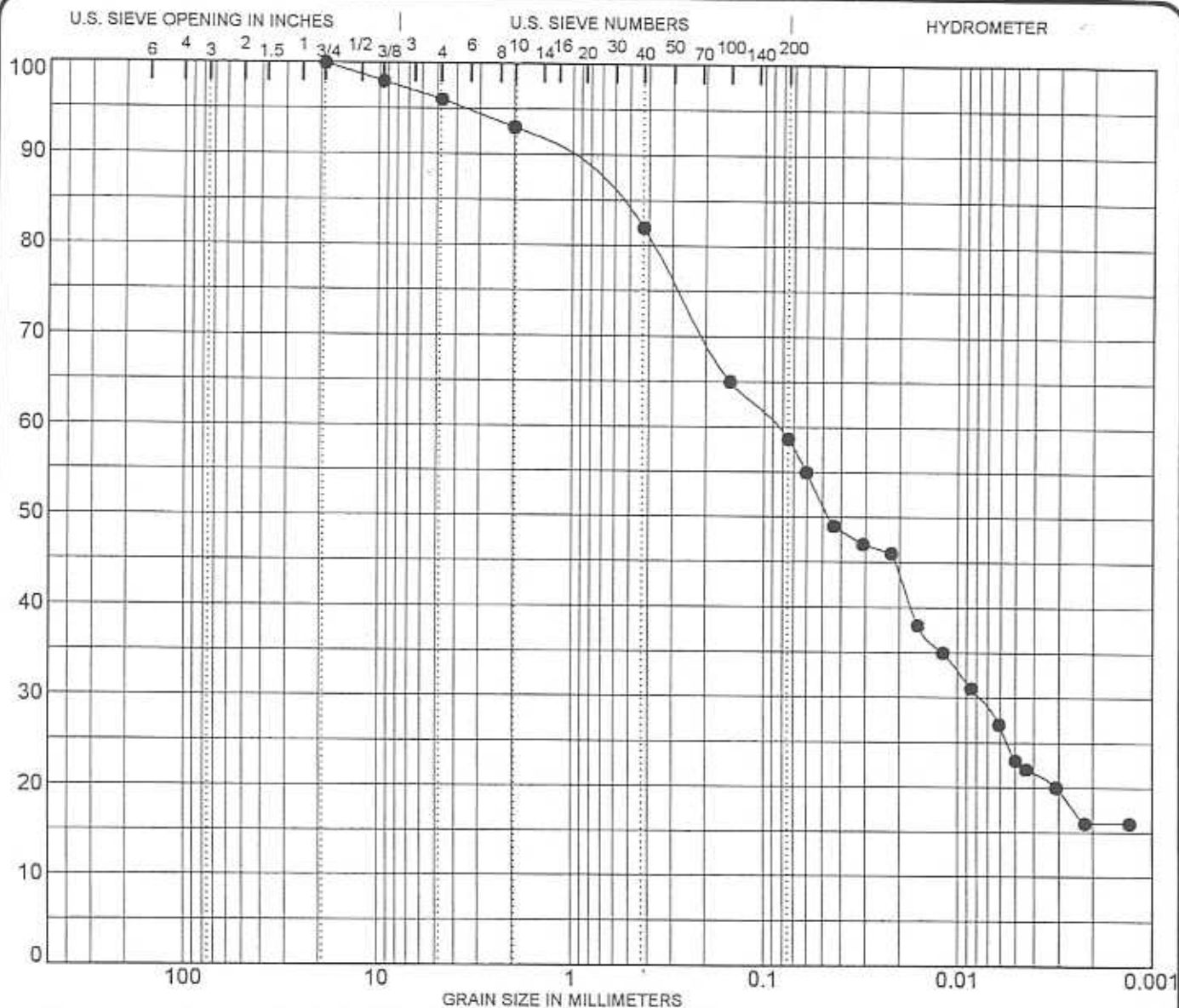
SPECIMEN IDENTIFICATION		SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 1		3 inch	100	Gray silty CLAY, some sand, trace gravel				
Sample: 6 Pit		2	100	(CL)				
Depth: 15.5'-18.5'		1 1/2	100					
		1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:		3/4	100	4	34	33	29	
		3/8	96					
		# 4	96	γ dry (pcf)	MC%	LL	PL	PI
		# 10	94	117.7	15.0	23	13	10
		# 40	85					
		# 100	69	Qu (tons/ft ²)	LOI%			
		# 200	62	1.78	2.4			

PROJECT Clinton Power Plant
 LOCATION Clinton, Illinois

JOB NO. L - 55,620
 DATE September 19, 2002

SOIL DATA SHEET
 Testing Service Corporation
 Carol Stream, IL 60188

REV3



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

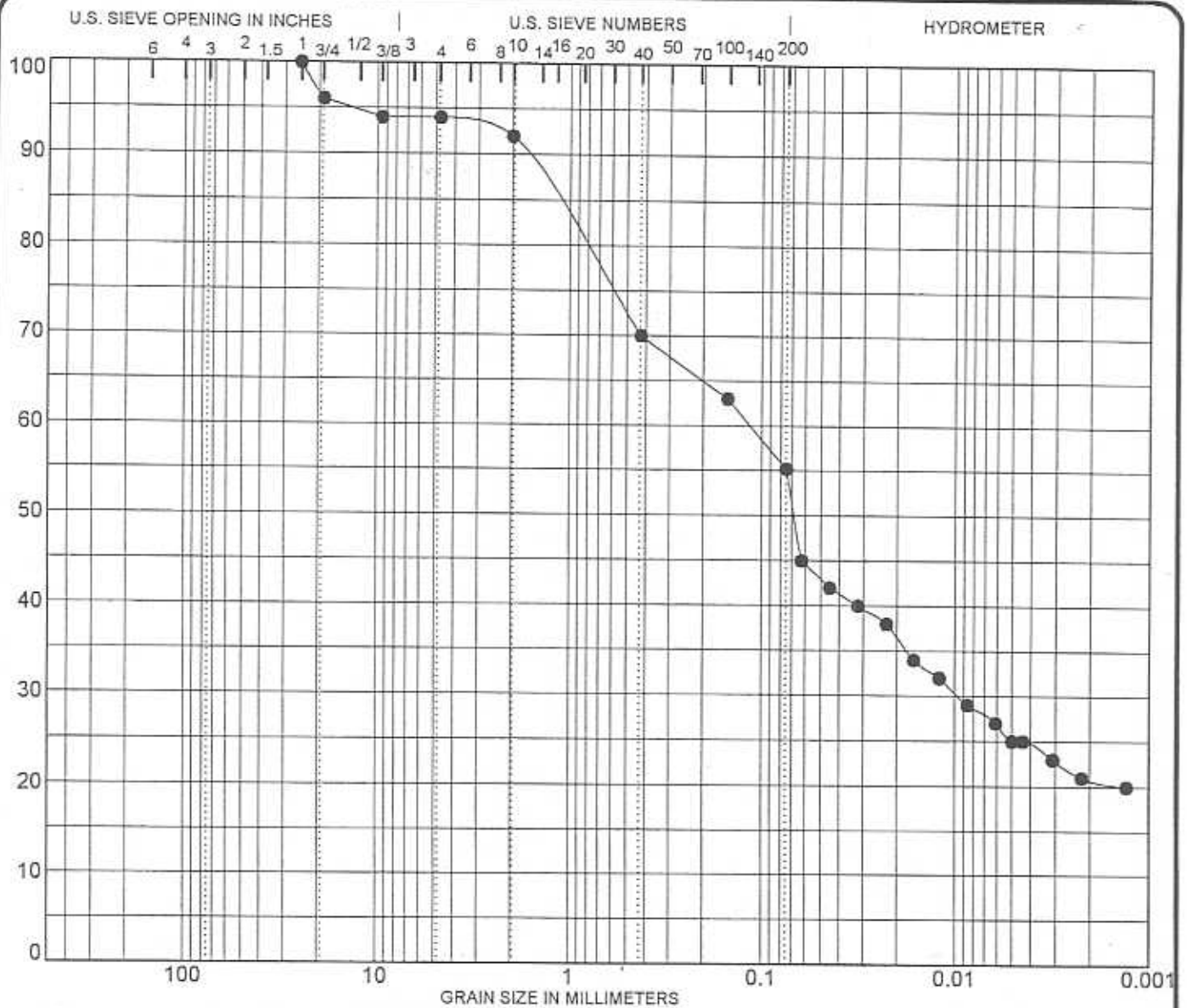
SPECIMEN IDENTIFICATION	SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 1	3 inch	100	Gray sandy CLAY, trace gravel (CL)				
Sample: 13	2	100					
Depth: 40.0'-42.0'	1 1/2	100					
	1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:	3/4	100	4	37	36	23	
	3/8	98					
	# 4	96	γ dry (pcf)	MC%	LL	PL	PI
	# 10	93	45.1	101.4	25	13	12
	# 40	82					
	# 100	65	Qu (tons/ft ²)	LOI%			
	# 200	59	4.54	3.1			

PROJECT LOCATION Clinton Power Plant
Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

REV3



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

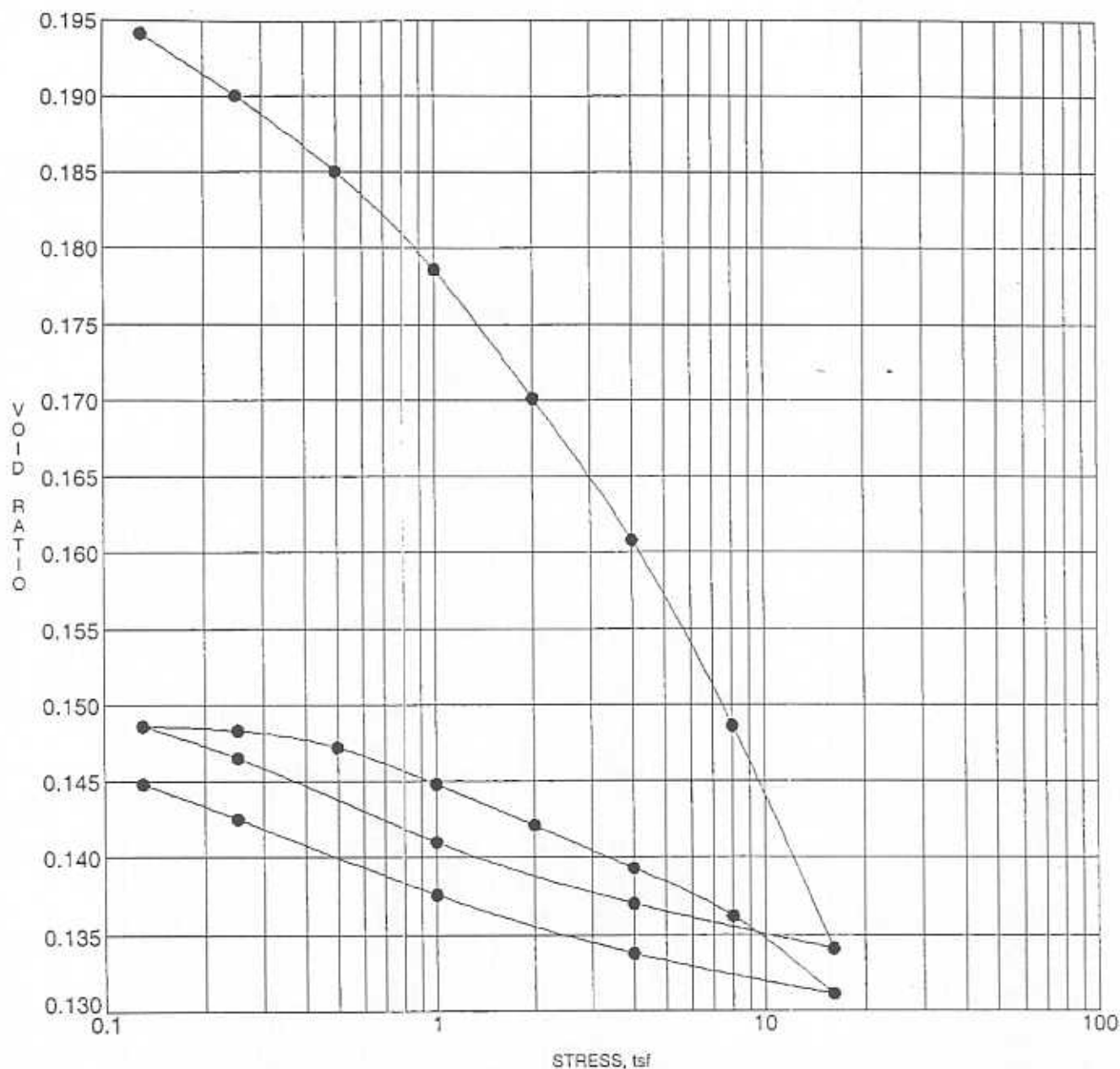
SPECIMEN IDENTIFICATION	SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 1	3 inch	100	Olive sandy CLAY, trace gravel (CL)				
Sample: 17	2	100					
Depth: 50.0'-52.0'	1 1/2	100					
	1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:	3/4	96	6	39	30	25	
	3/8	94					
	# 4	94	γ dry (pcf)	MC%	LL	PL	PI
	# 10	92	107.8	18.9	33	13	20
	# 40	70					
	# 100	63	Qu (tons/ft2)				
	# 200	55	0.58				

PROJECT LOCATION Clinton Power Plant
Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

REV3

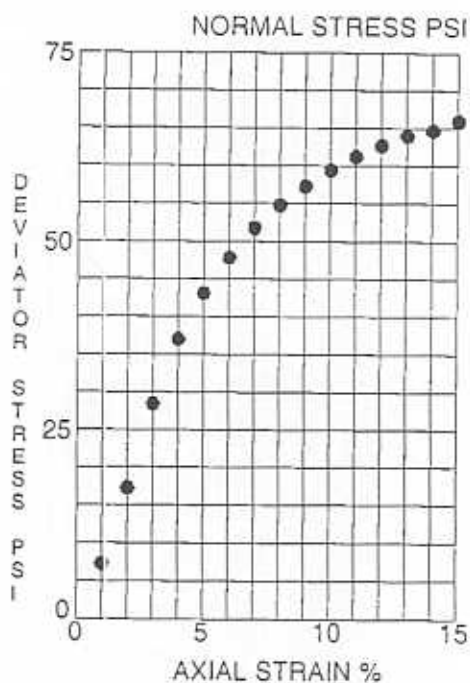
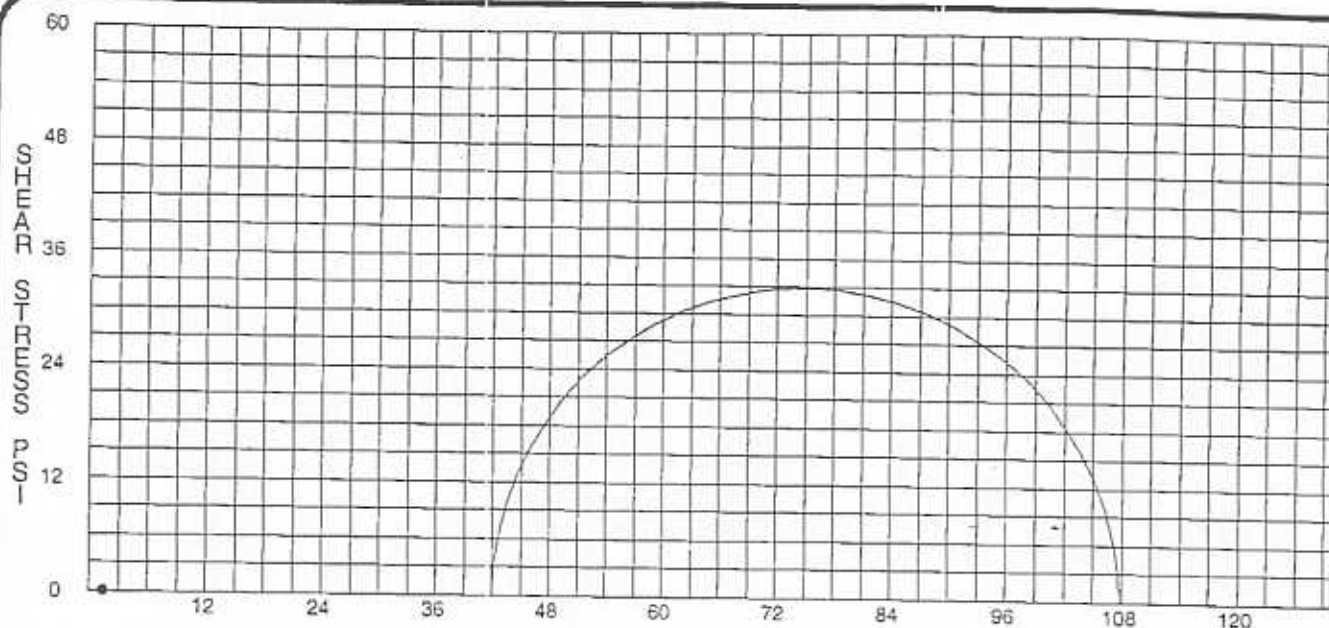


SAMPLE IDENTIFICATION				SPECIMEN DATA	
Boring 1				Dry Unit Weight (PCF)	140.5
Sample 30PIT				Moisture Content (%)	5.4
Depth 90.5'-93.5'				Assumed Specific Gravity	2.70
SAMPLE CLASSIFICATION				Dry Soil Weight (gm)	181.2
Gray silty CLAY, some sand, trace to little gravel (CL)				Sample Height (inches)	1.00
				Sample Diameter (inches)	2.50
				Initial Void Ratio	0.1991
Atterberg Limits:	LL 20	PL 9	PI 11	Final Void Ratio	0.1311

PROJECT **Clinton Power Plant -
Clinton, Illinois**

JOB NO. **L - 55,620**
DATE **December 24, 2002**

CONSOLIDATION TEST
TESTING SERVICE CORPORATION
Carol Stream, IL

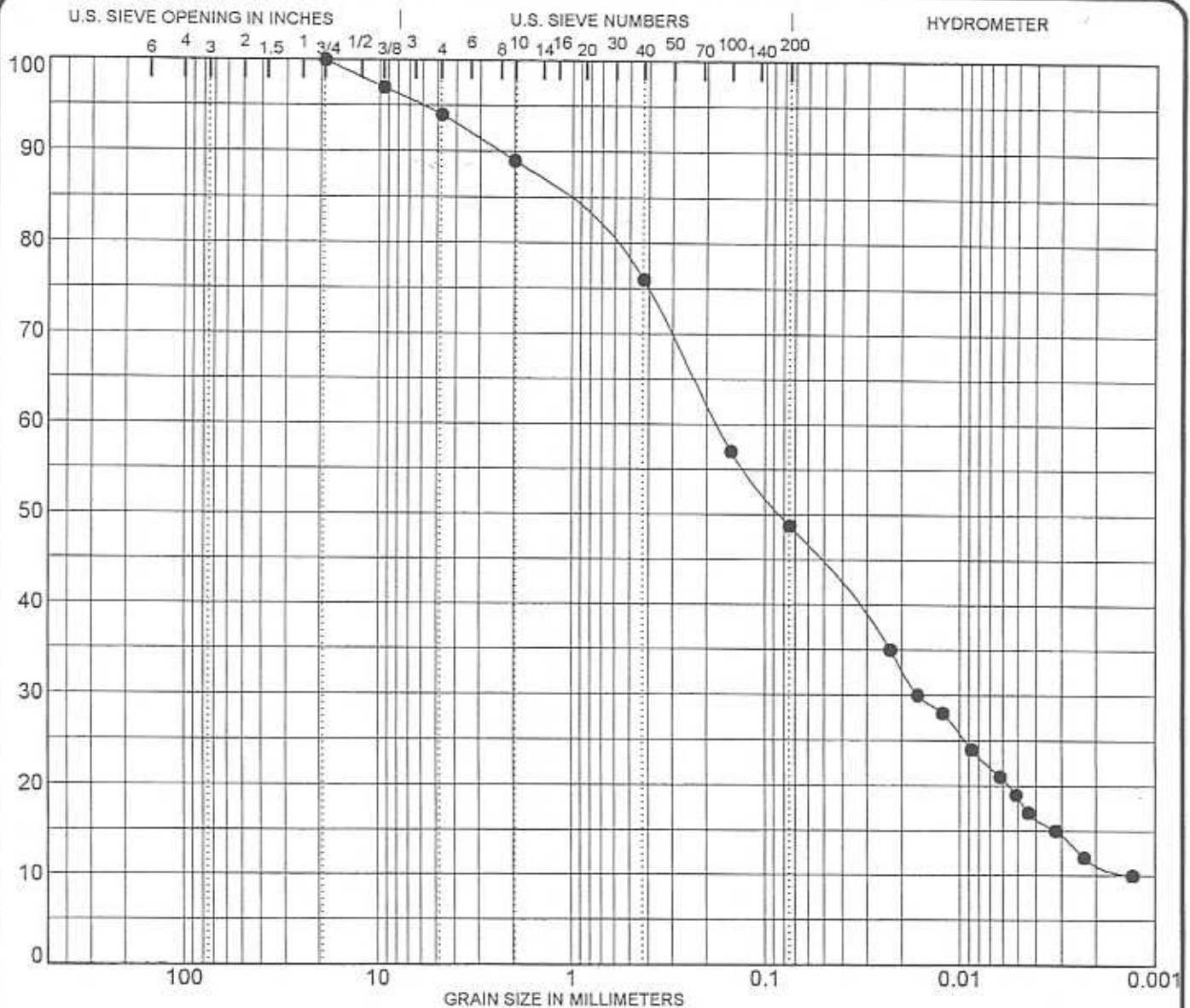


SAMPLE IDENTIFICATION:				
Boring 1	Confining Stress, psi	42.0		
Sample 30 PIT	Deviator Stress at Failure, psi	65.9		
Depth 90.5' - 93.5'	Water Content, %	9.0		
	Dry Unit Weight, PCF	130.8		
SAMPLE DESCRIPTION:	Strain Rate, inches/min	0.0550		
Gray silty CLAY, some sand, trace to little gravel (CL)				

PROJECT Clinton Power Plant -
LOCATION Clinton, Illinois

JOB NO. L - 55,620
DATE November 25, 2002

UNCONSOLIDATED UNDRAINED TRIAXIAL SHEAR
TESTING SERVICE CORPORATION
Carol Stream, IL



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

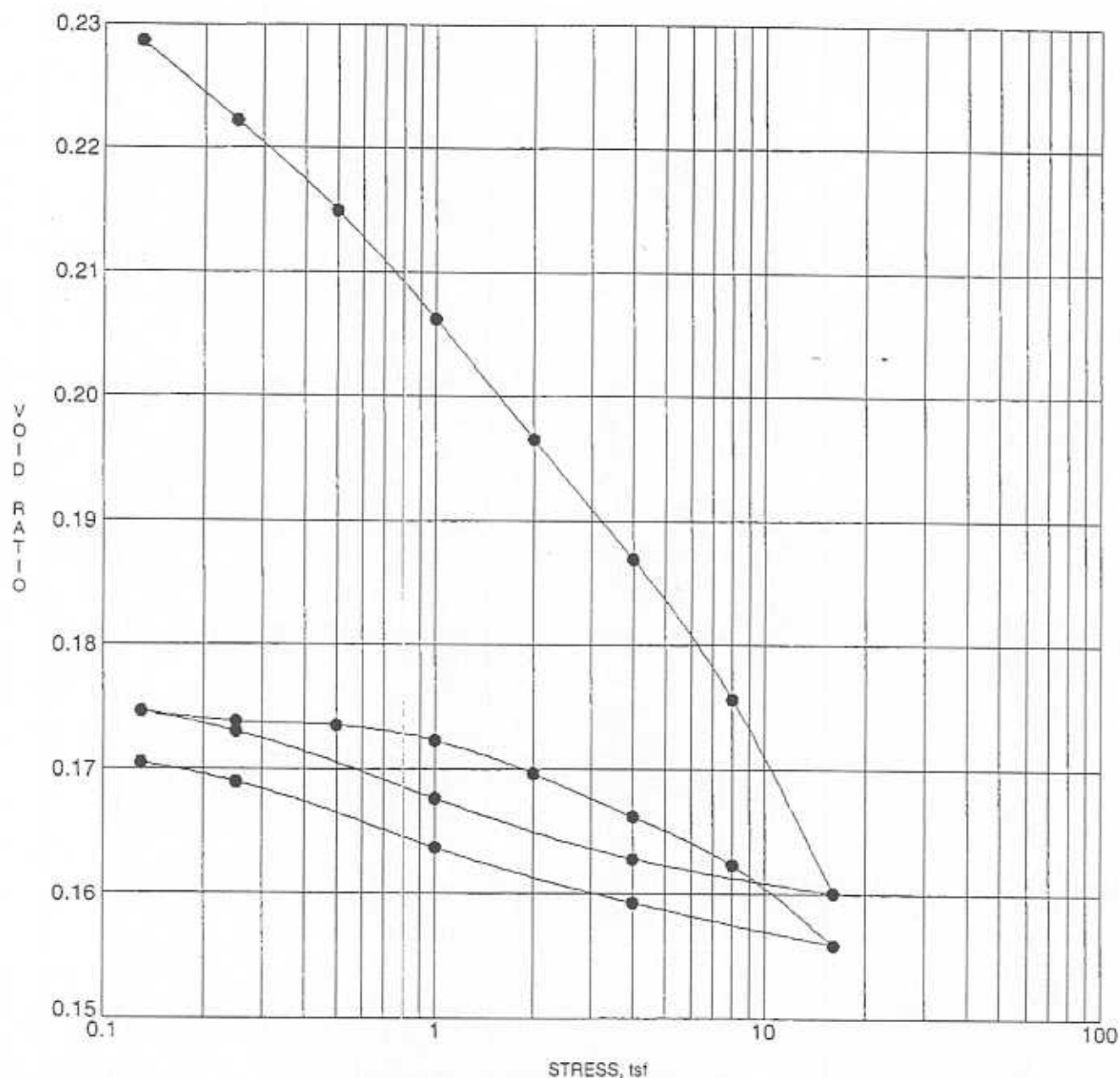
SPECIMEN IDENTIFICATION		SIEVE	% PASS	SOIL CLASSIFICATION			
Boring: 2		3 inch	100	Gray clayey SAND, trace gravel (SC)			
Sample: 20		2	100				
Depth: 90.5'-93.5'		1 1/2	100				
NOTES:		1	100	%GRAVEL	%SAND	%SILT	%CLAY
		3/4	100	6	45	30	19
		3/8	97				
		# 4	94	% dry (pcf)	MC%	LL	PL
		# 10	89	140.2	7.4	19	8
		# 40	76				
		# 100	57				
		# 200	49	Qu (tons/ft ²)			
				14.40			

PROJECT LOCATION Clinton Power Plant
Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

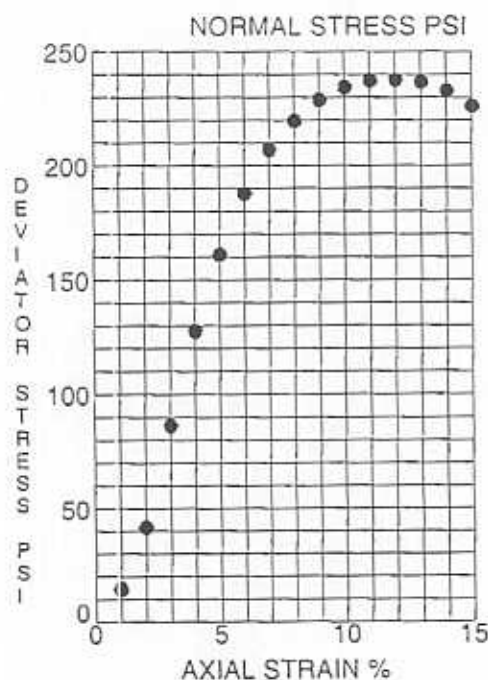
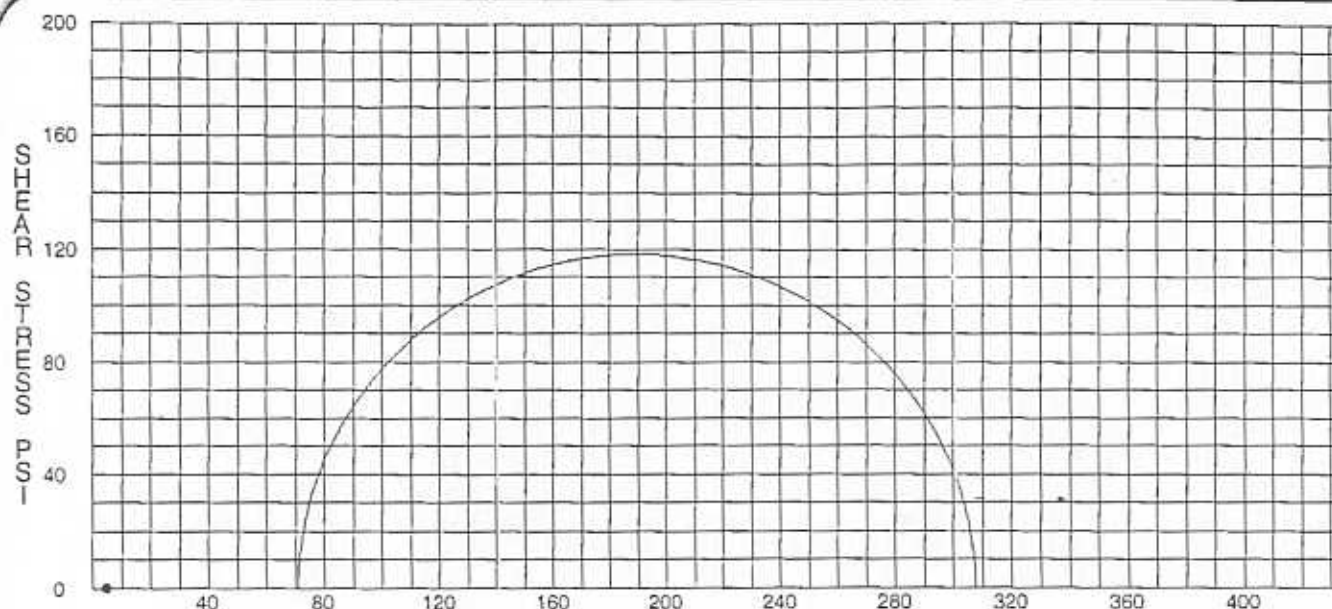
REV3



SAMPLE IDENTIFICATION				SPECIMEN DATA	
Boring 2				Dry Unit Weight (PCF)	136.5
Sample 27				Moisture Content (%)	7.6
Depth 145.5'-148.5'				Assumed Specific Gravity	2.70
SAMPLE CLASSIFICATION				Dry Soil Weight (gm)	175.9
Gray silty CLAY, some sand, trace to little gravel (CL)				Sample Height (inches)	1.00
				Sample Diameter (inches)	2.50
				Initial Void Ratio	0.2343
Atterberg Limits:	LL 19	PL 9	PI 10	Final Void Ratio	0.1559
PROJECT Clinton Power Plant - Clinton, Illinois				JOB NO. L - 55,620	
				DATE December 24, 2002	

CONSOLIDATION TEST
 TESTING SERVICE CORPORATION
 Carol Stream, IL

REV3

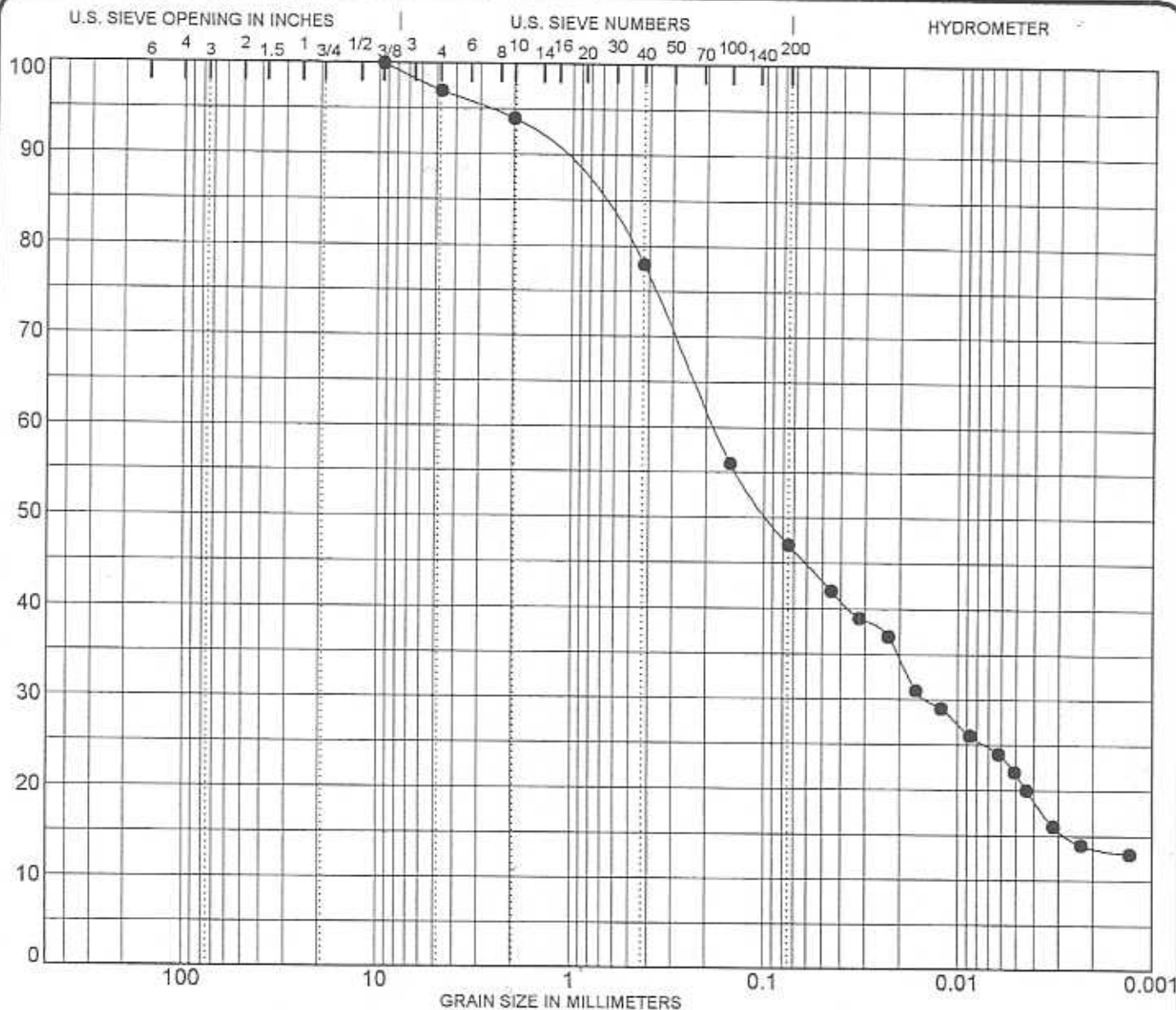


SAMPLE IDENTIFICATION:				
Boring 2	Confining Stress, psi	71.0		
Sample 27	Deviator Stress at Failure, psi	237.4		
Depth 145.5'- 148.5'	Water Content, %	8.0		
	Dry Unit Weight, PCF	135.5		
SAMPLE DESCRIPTION:		Strain Rate, inches/min	0.0538	
Gray silty CLAY, some				
sand, trace to little gravel				
(CL)				

PROJECT Clinton Power Plant -
LOCATION Clinton, Illinois

JOB NO. L - 55,620
DATE November 19, 2002

UNCONSOLIDATED UNDRAINED TRIAXIAL SHEAR
TESTING SERVICE CORPORATION
Carol Stream, IL



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

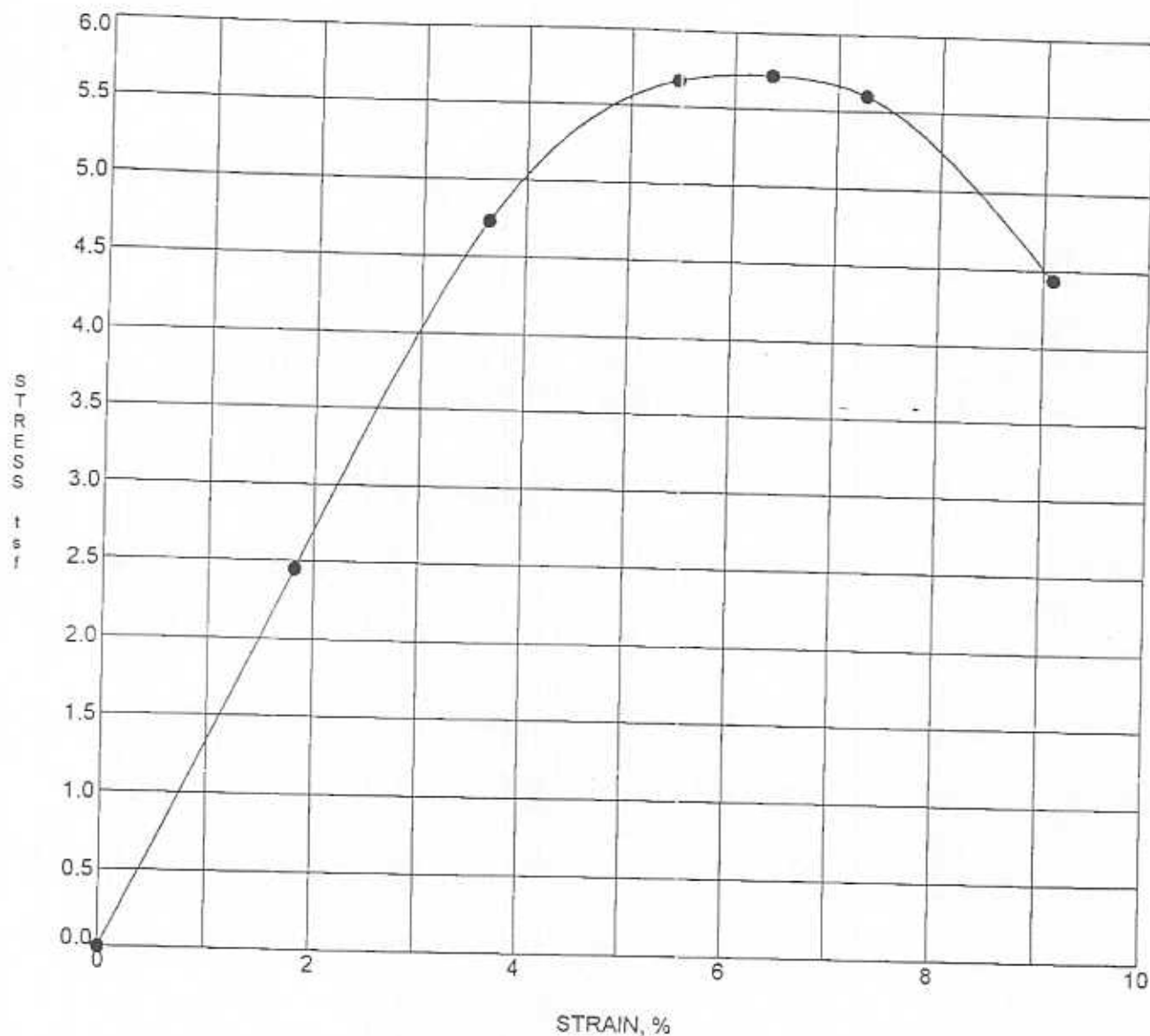
SPECIMEN IDENTIFICATION		SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 2		3 inch	100	Gray clayey SAND, trace gravel (SC)				
Sample: 32		2	100					
Depth: 190.5'-193.5'		1 1/2	100					
		1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:		3/4	100	3	50	25	22	
		3/8	100					
		# 4	97	γ dry (pcf)	MC%	LL	PL	PI
		# 10	94	134.4	8.6	17	8	9
		# 40	78					
		# 100	56	Qu (tons/ft ²)				
		# 200	47	4.85				

PROJECT Clinton Power Plant
 LOCATION Clinton, Illinois

JOB NO. L - 55,620
 DATE September 19, 2002

SOIL DATA SHEET
 Testing Service Corporation
 Carol Stream, IL 60188

REV3



SPECIMEN IDENTIFICATION

Boring: 2
Sample: 35 Pit
Depth: 210.0'-213.0'

SOIL CLASSIFICATION

Brown and gray silty CLAY, little sand, trace gravel (CL)

Unconfined Compression Max	Dry Unit Weight	Moisture Content	Atterberg Limits			
5.72 TSF	120.1 PCF	14.9 %	LL 37	PL 15	PI 22	

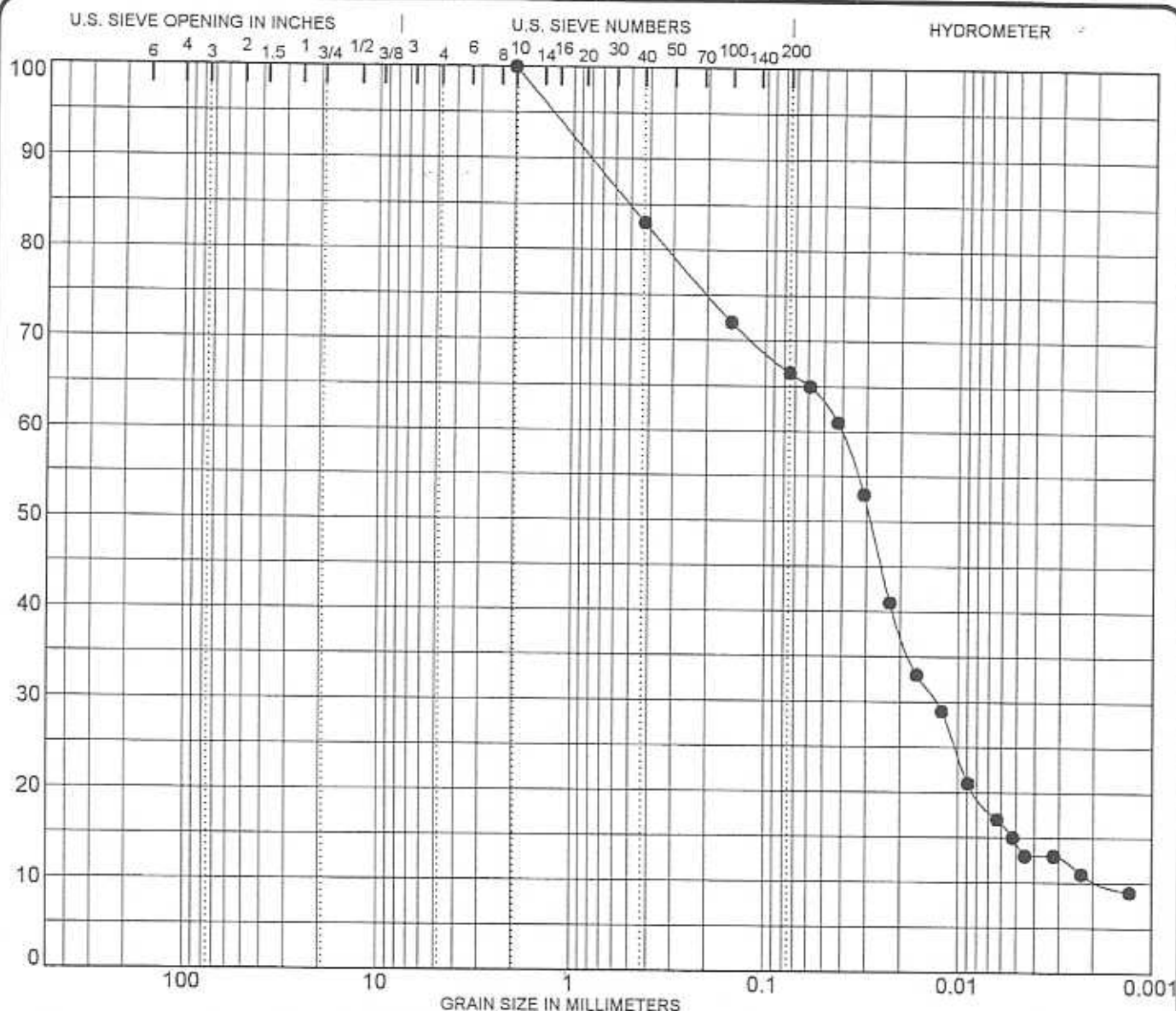
PROJECT LOCATION Clinton Power Plant
Clinton, Illinois

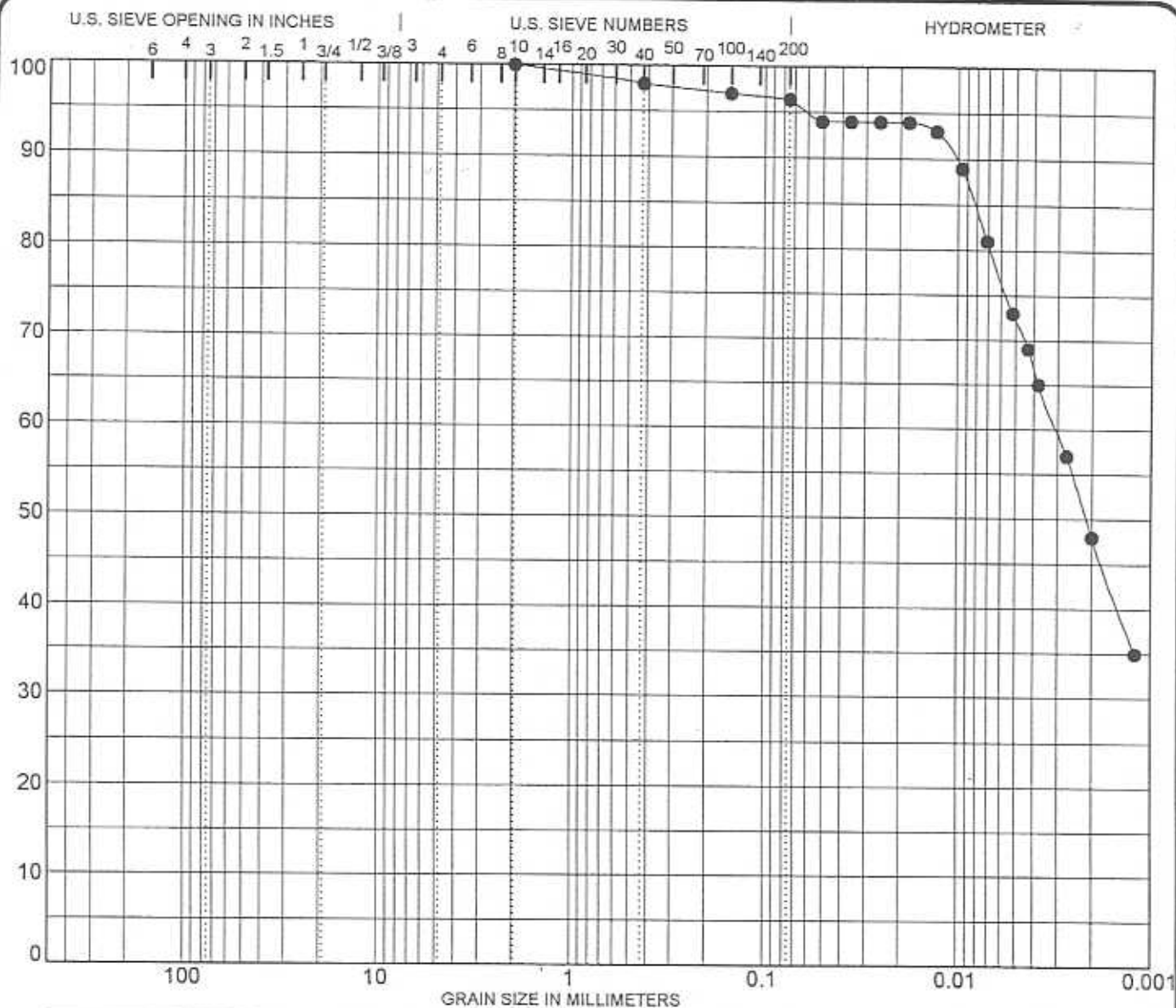
JOB NO. L - 55,620
DATE December 11, 2002

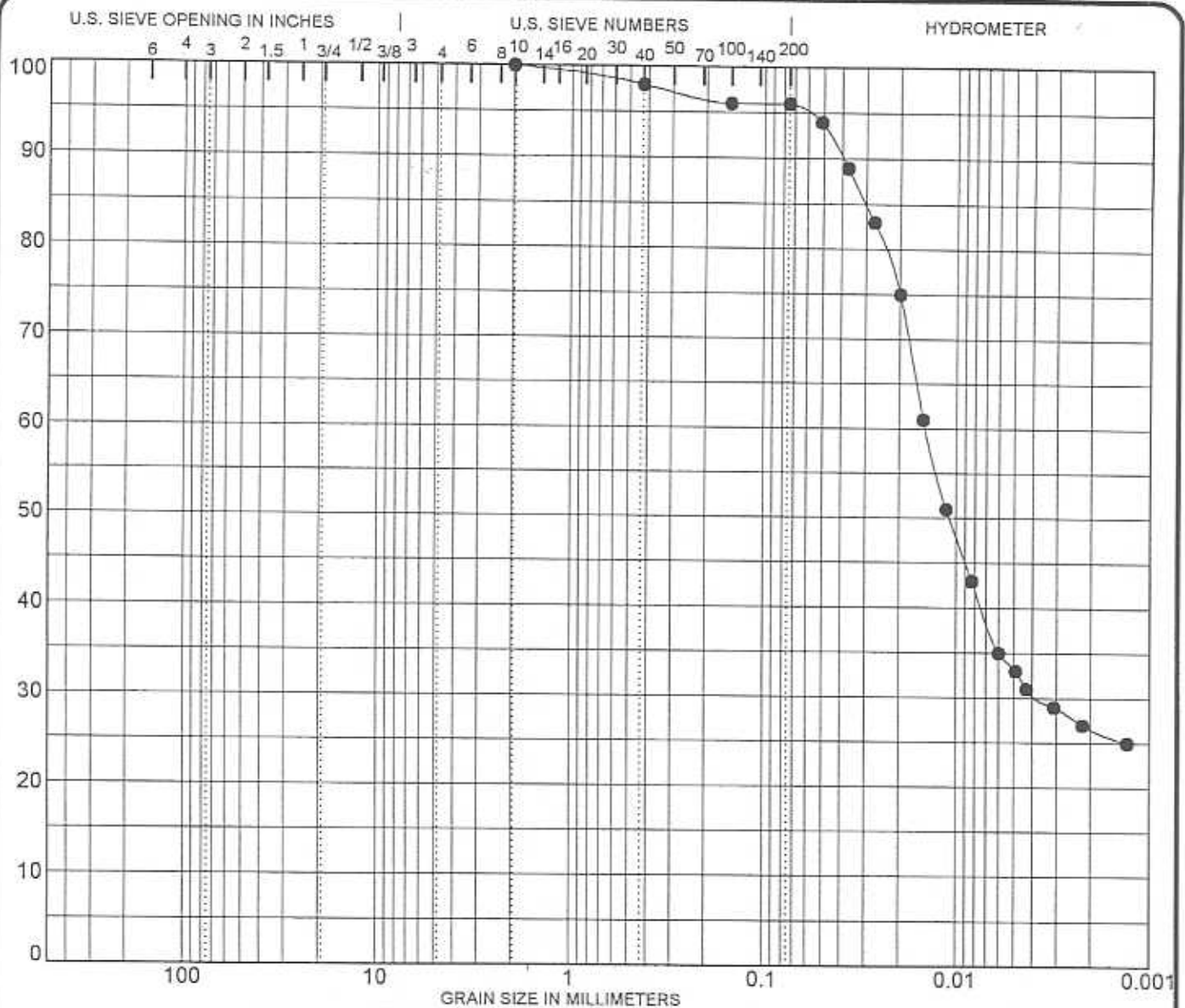
UNCONFINED COMPRESSION TEST

Testing Service Corporation
Carol Stream, IL 60138

REV3







COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

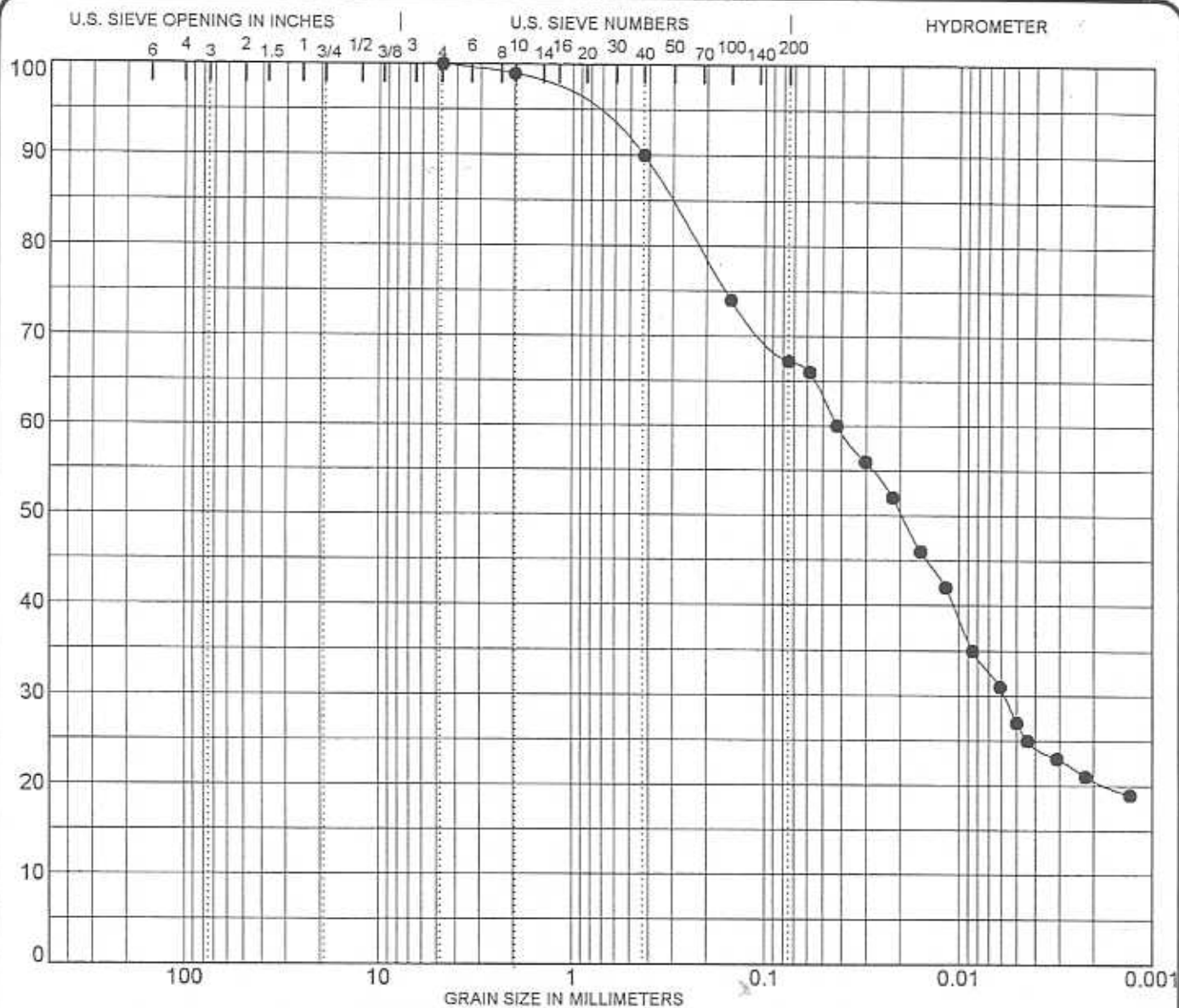
SPECIMEN IDENTIFICATION	SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 3	3 inch	100	Brown and gray very silty CLAY, trace sand				
Sample: 2	2	100	(CL)				
Depth: 5.0'-7.0'	1 1/2	100					
	1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:	3/4	100	0	4	63	33	
	3/8	100					
	# 4	100	γ dry (pcf)	MC%	LL	PL	PI
	# 10	100	104.1	19.9	42	14	28
	# 40	98					
	# 100	96	Qu (tons/ft ²)				
	# 200	96	2.08				

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

REV3



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

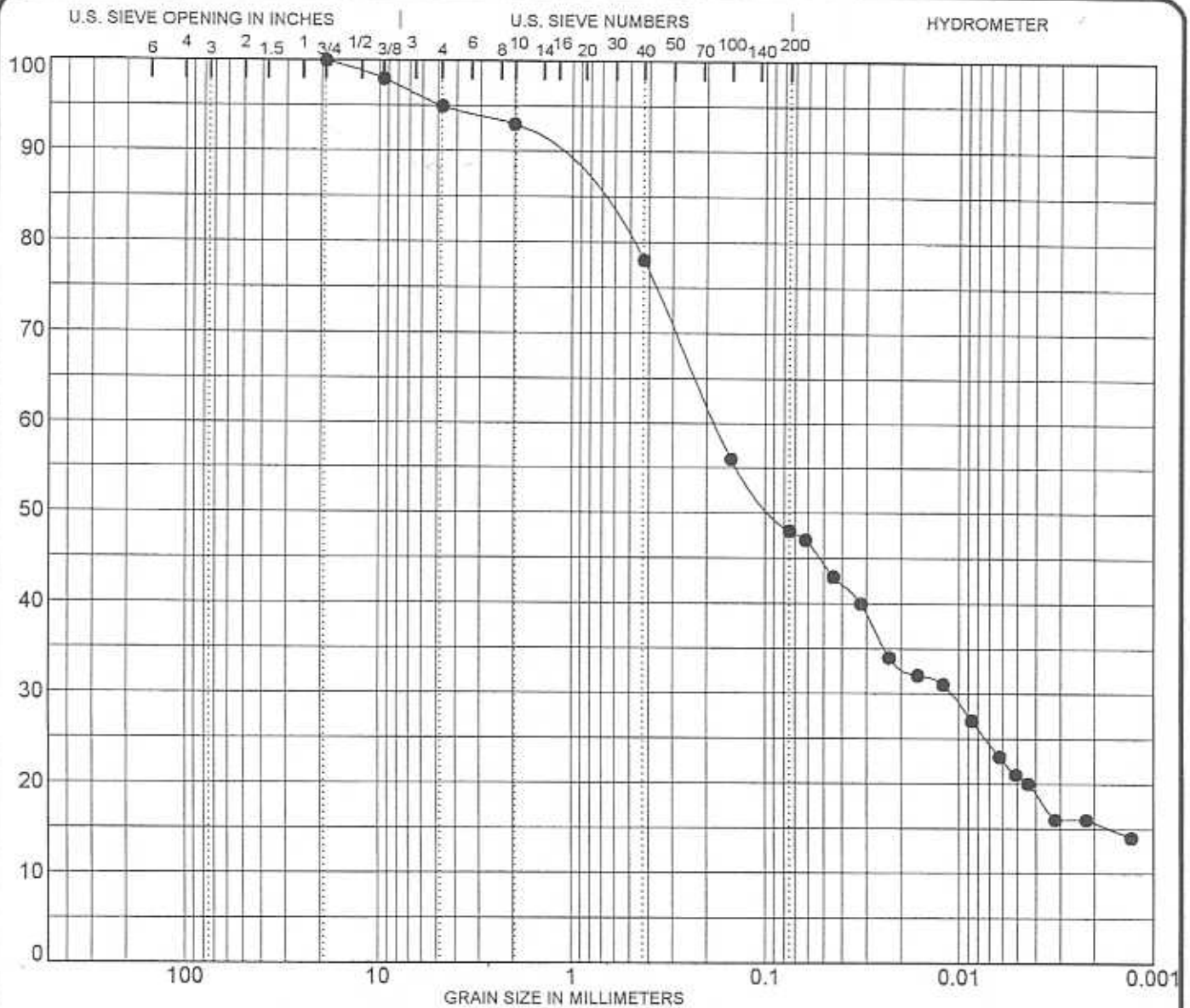
SPECIMEN IDENTIFICATION		SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 3		3 inch	100	Gray silty CLAY, some sand (CL)				
Sample: 10		2	100					
Depth: 30.0'-32.0'		1 1/2	100					
		1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:		3/4	100	0	33	40	27	
		3/8	100					
		# 4	100	γ _{dry} (pcf)	MC%	LL	PL	PI
		# 10	99	115.7	15.9	23	13	10
		# 40	90					
		# 100	74	Qu (tons/ft ²)				
		# 200	67	1.26				

PROJECT LOCATION Clinton Power Plant
Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

REV3



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

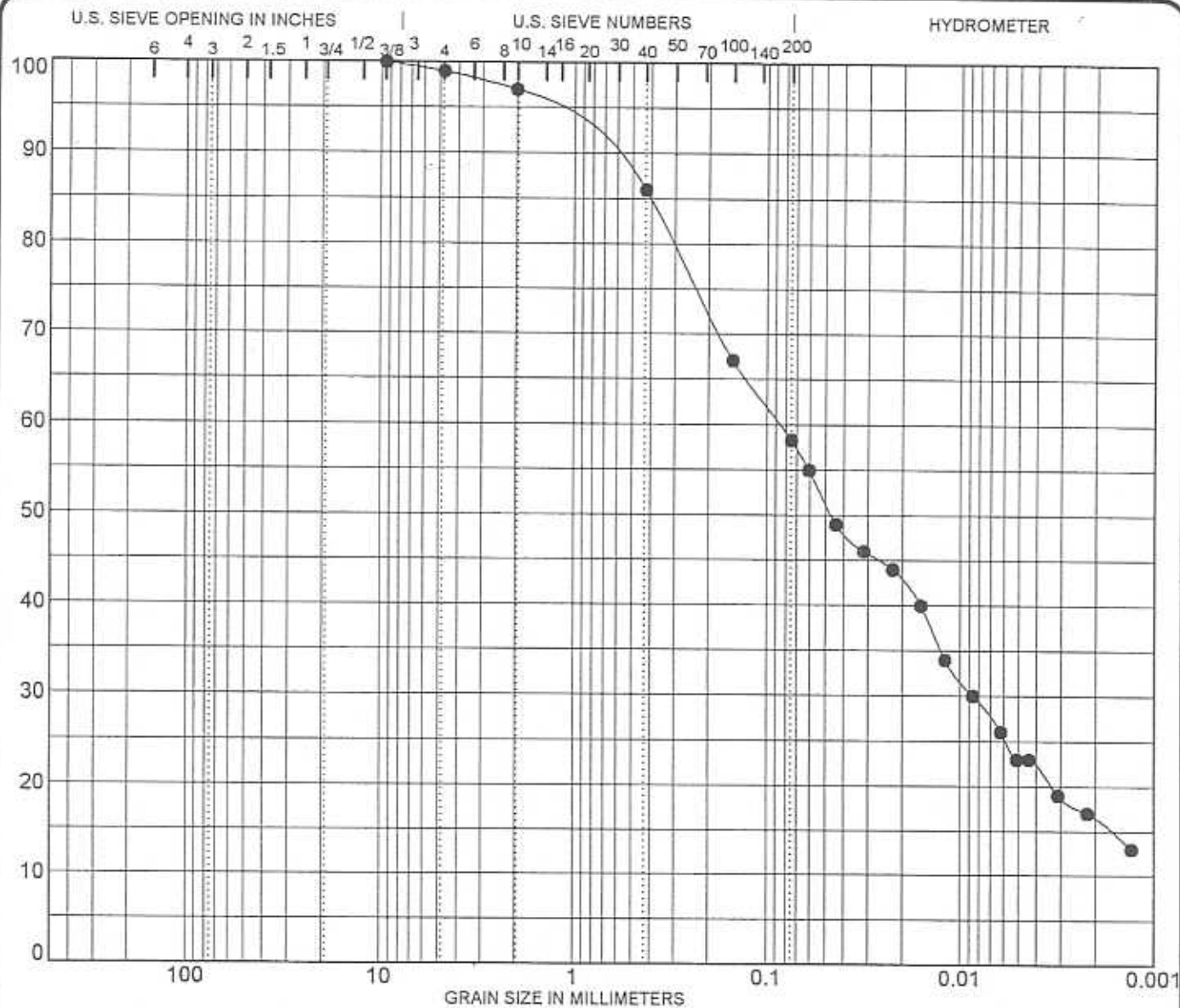
SPECIMEN IDENTIFICATION	SIEVE	% PASS	SOIL CLASSIFICATION			
Boring: 3	3 inch	100	Gray clayey SAND, trace gravel (SC)			
Sample: 26	2	100				
Depth: 80.5'-5-83.5'	1 1/2	100				
NOTES:	1	100	%GRAVEL	%SAND	%SILT	%CLAY
	3/4	100	5	47	27	21
	3/8	98				
	# 4	95	γ dry (pcf)	MC%	LL	PL
	# 10	93	134.2	8.5	17	10
	# 40	78				
	# 100	56	Qu (tons/ft ²)			
	# 200	48	7.82			

PROJECT LOCATION Clinton Power Plant
Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

REV3



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

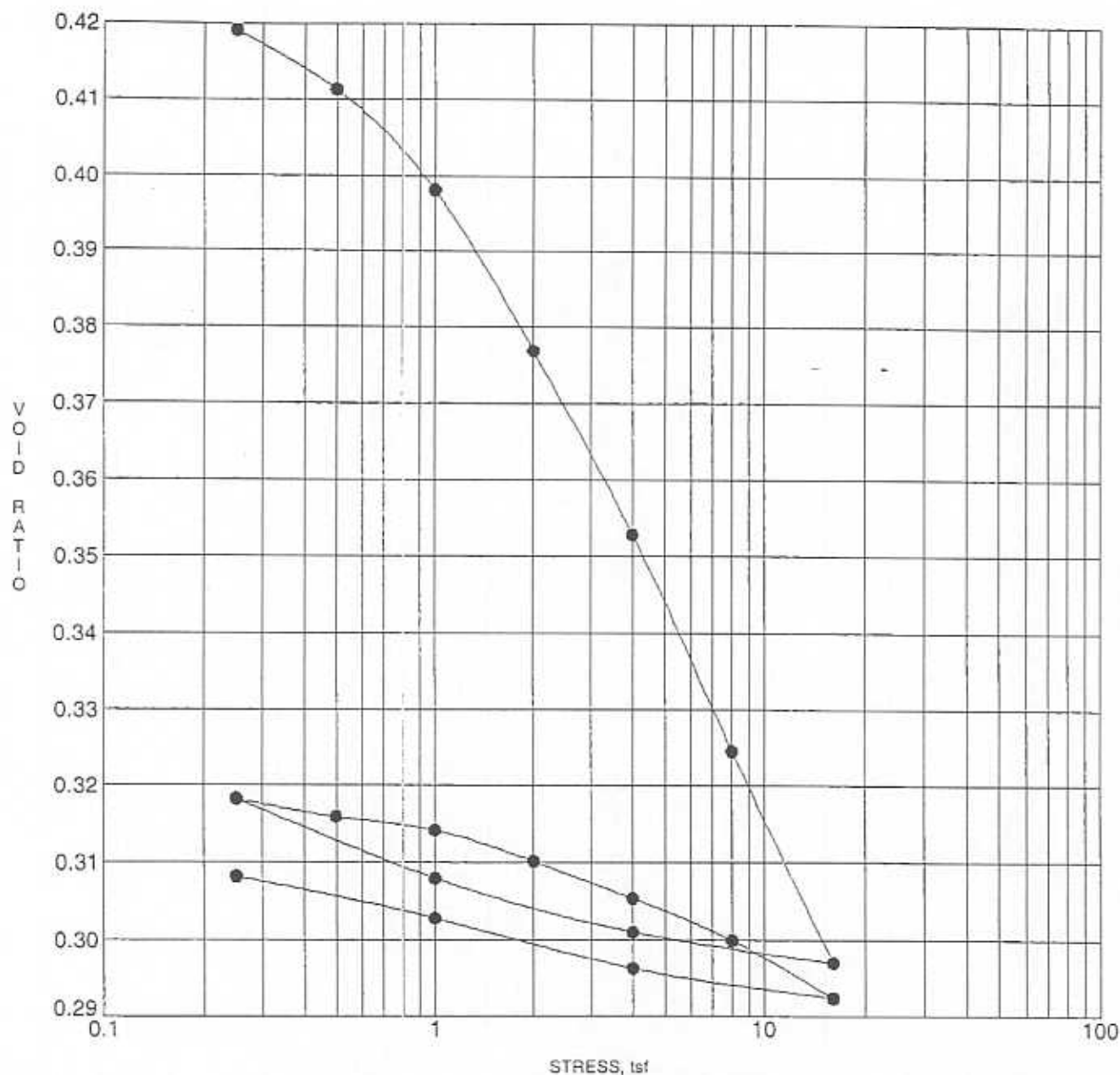
SPECIMEN IDENTIFICATION		SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 3		3 inch	100	Gray sandy CLAY, trace gravel (CL)				
Sample: 36		2	100					
Depth: 135.5'-138.5'		1 1/2	100					
		1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:		3/4	100	1	41	35	23	
		3/8	100					
		# 4	99	γ _{dry} (pcf)	MC%	LL	PL	PI
		# 10	97	135.2	8.7	18	9	9
		# 40	86					
		# 100	67	Qu (tons/ft ²)				
		# 200	58	8.45				

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

REV3



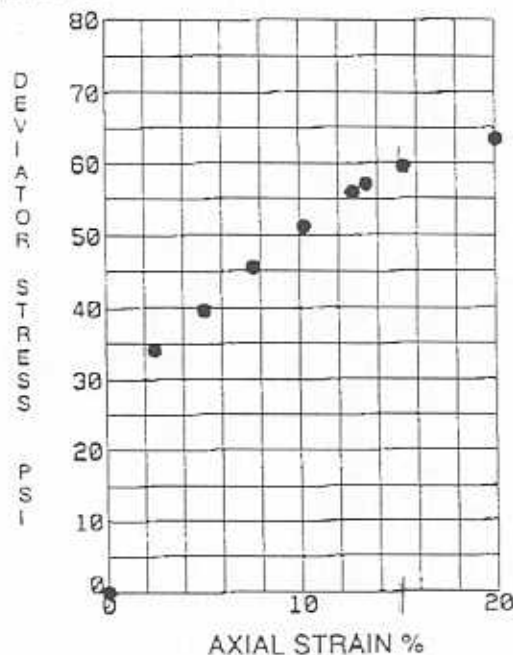
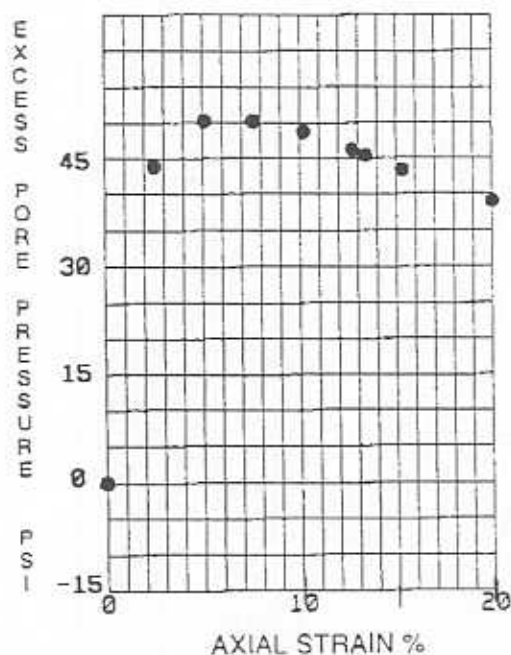
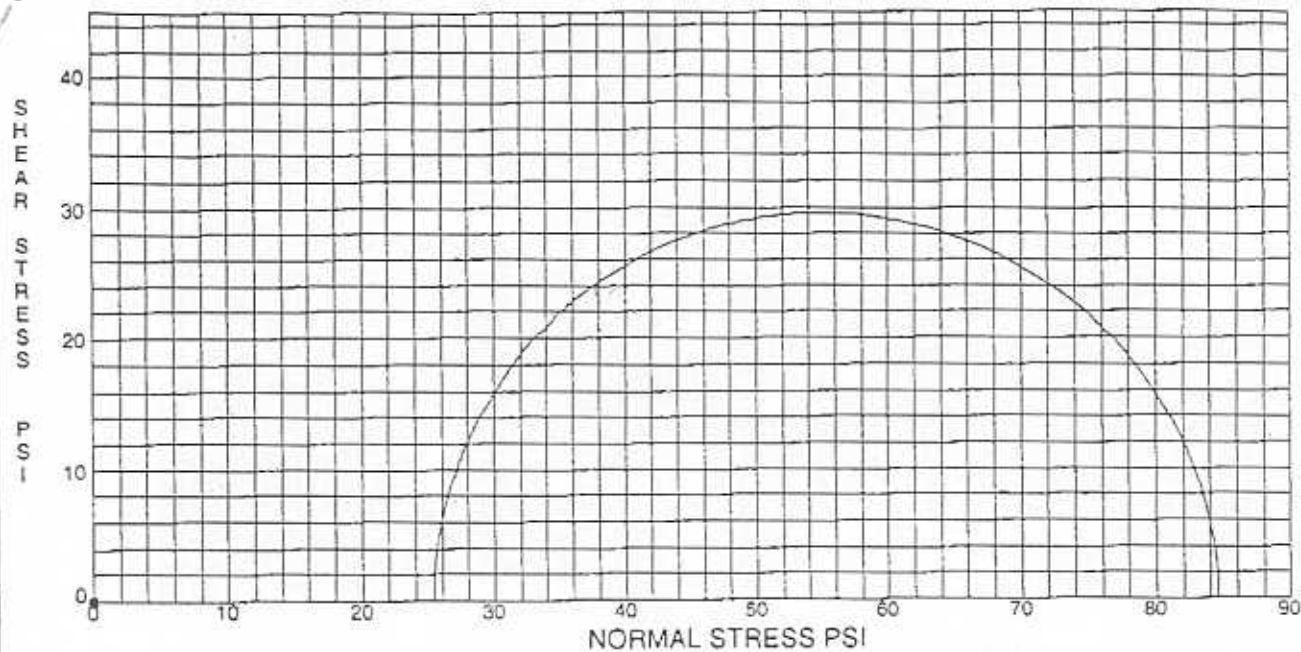
SAMPLE IDENTIFICATION				SPECIMEN DATA	
Boring 3				Dry Unit Weight (PCF)	117.9
Sample 42				Moisture Content (%)	12.7
Depth 170.0'-173.0'				Assumed Specific Gravity	2.70
SAMPLE CLASSIFICATION				Dry Soil Weight (gm)	152.0
Gray silty CLAY, some sand, trace to little gravel (CL)				Sample Height (inches)	1.00
				Sample Diameter (inches)	2.50
				Initial Void Ratio	0.4290
Atterberg Limits:	LL 28	PL 11	PI 17	Final Void Ratio	0.2924

PROJECT Clinton Power Plant -
Clinton, Illinois

JOB NO. L - 55,620
DATE December 18, 2002

CONSOLIDATION TEST
TESTING SERVICE CORPORATION
Carol Stream, IL

REV3



SAMPLE IDENTIFICATION				
Boring 3	Initial Effective Cell Pressure, psi	69.0		
Sample 42PIT	Deviator Stress at Failure, psi	59.6		
Depth 170.0'- 173.0'	Water Content, %	13.5		
	Dry Unit Weight, PCF	108.0		
SAMPLE DESCRIPTION:	Strain Rate, inches/min	0.0023		

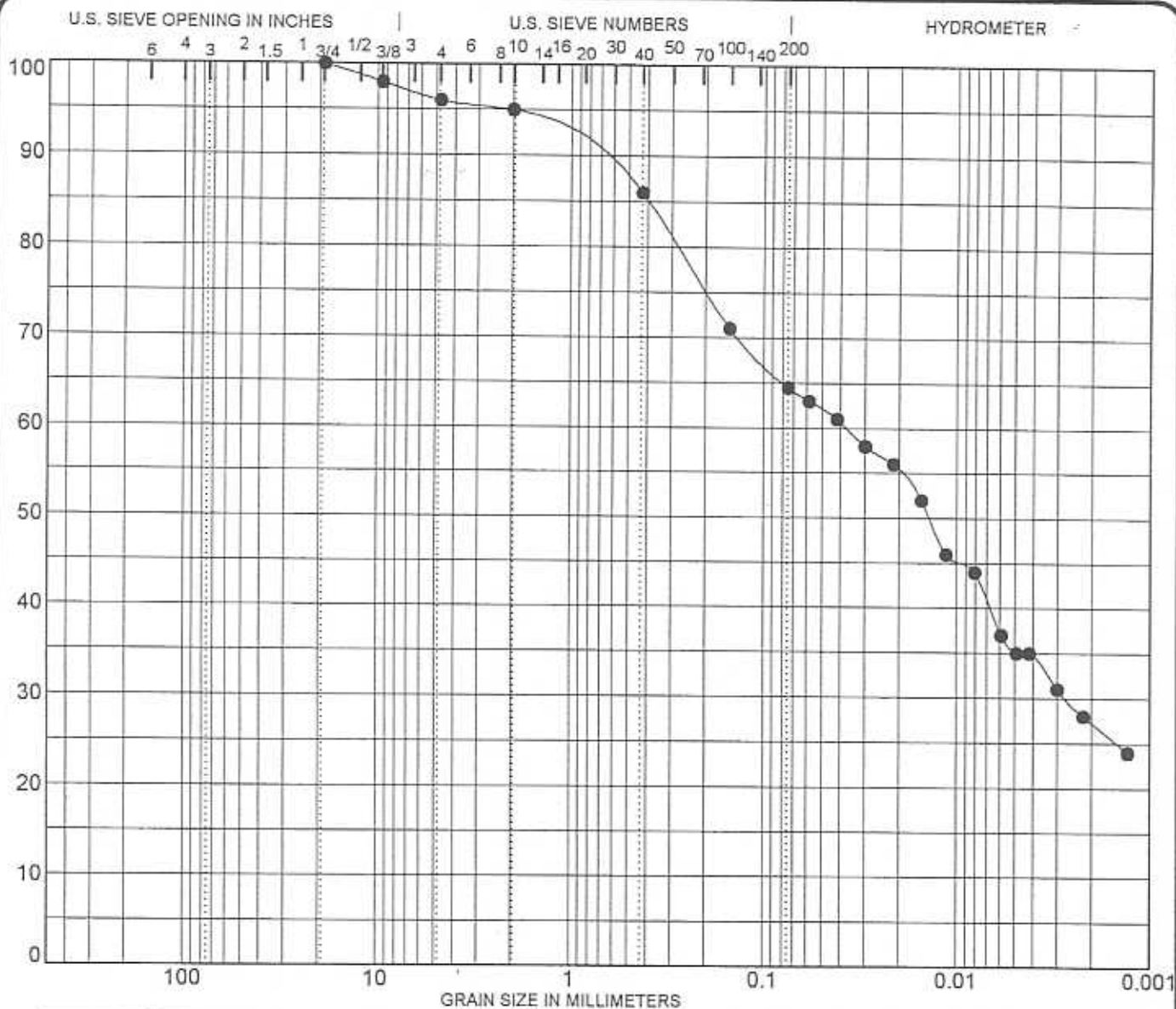
PROJECT Clinton Power Plant -
LOCATION Clinton, Illinois

JOB NO. L - 55,620
DATE February 12, 2003

CONSOLIDATED TRIAXIAL SHEAR WITH PORE PRESSURE READINGS

TESTING SERVICE CORPORATION
Carol Stream, IL

REV3



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

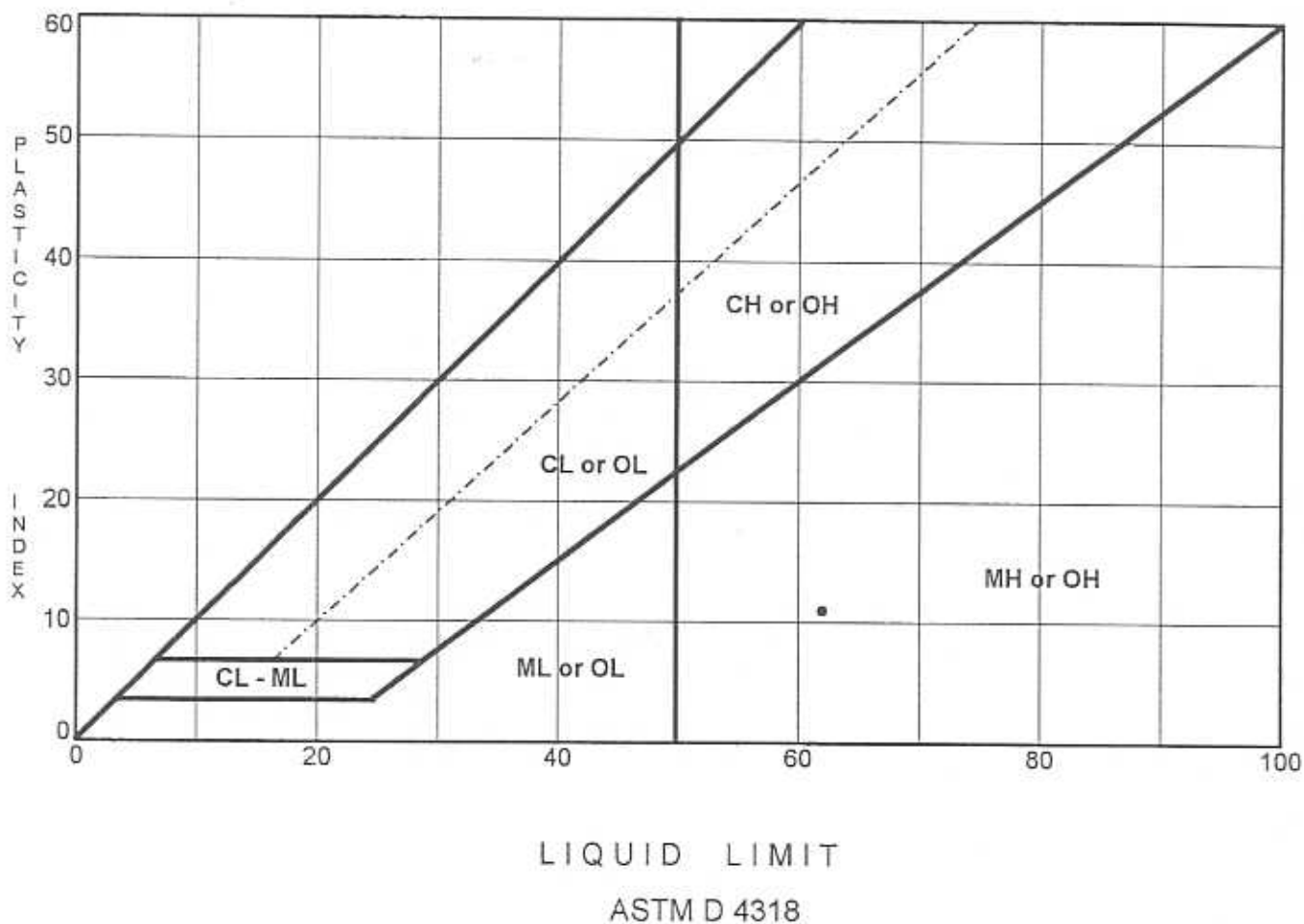
SPECIMEN IDENTIFICATION		SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 3		3 inch	100	Brownish gray silty CLAY, some sand, trace				
Sample: 50		2	100	gravel (CL)				
Depth: 225.5'-228.5'		1 1/2	100					
		1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:		3/4	100	4	32	29	35	
		3/8	98					
		# 4	96	% dry (pcf)	MC%	LL	PL	PI
		# 10	95	110.6	17.6	32	18	14
		# 40	86					
		# 100	71	Qu (tons/ft ²)				
		# 200	65	4.55				

PROJECT LOCATION Clinton Power Plant
Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

REV3



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
62.0	51.0	11.0

SPECIMEN IDENTIFICATION

Boring: 4

Sample: 15

Depth: 40.0'-42.0'

SOIL CLASSIFICATION

Black organic CLAY (OH)

MOISTURE (%)	Dry Unit Weight (pcf)	LOI%	
58.8	65.1	13.4	

PROJECT : Clinton Power Plant

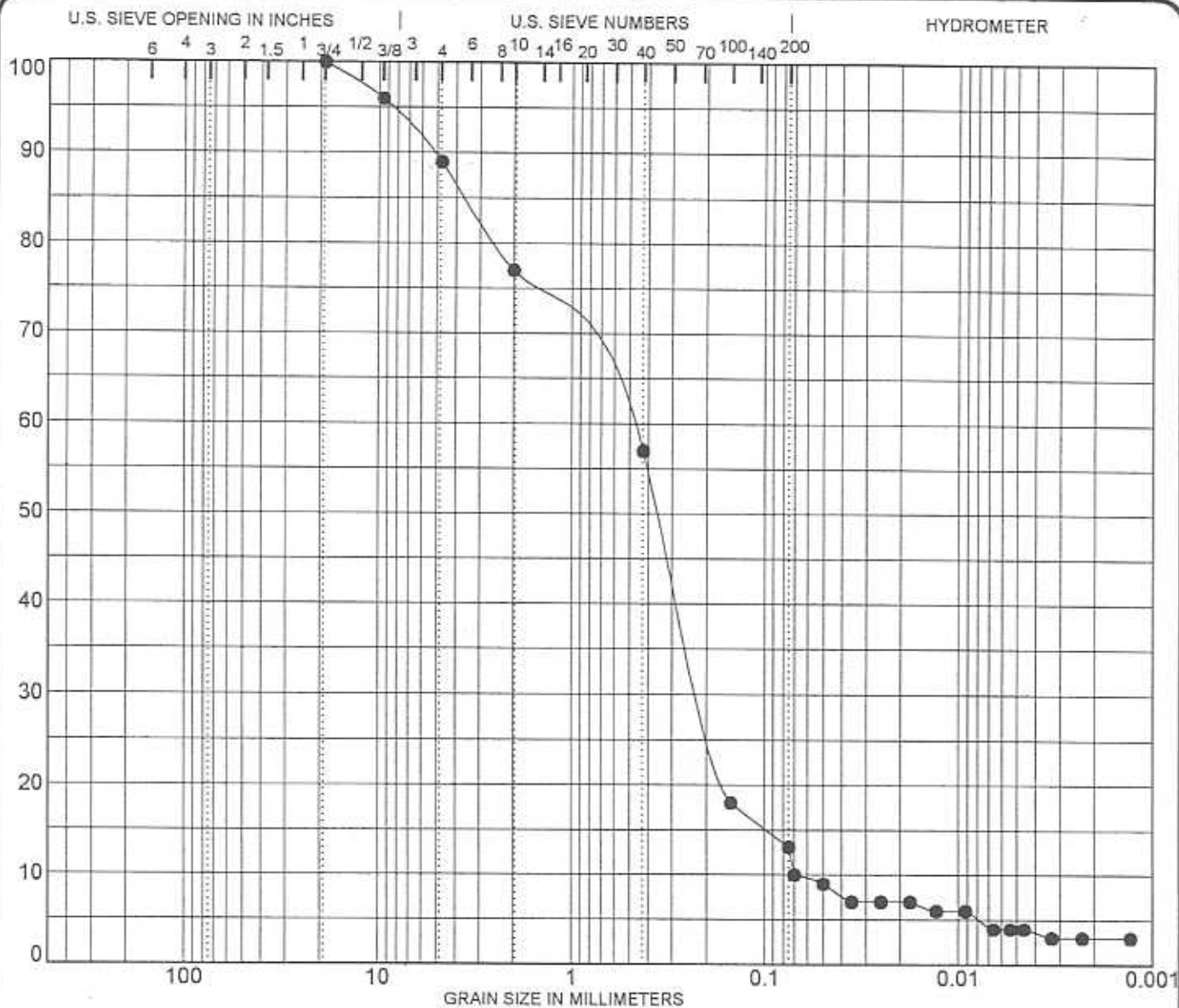
JOB NO : L - 55,620

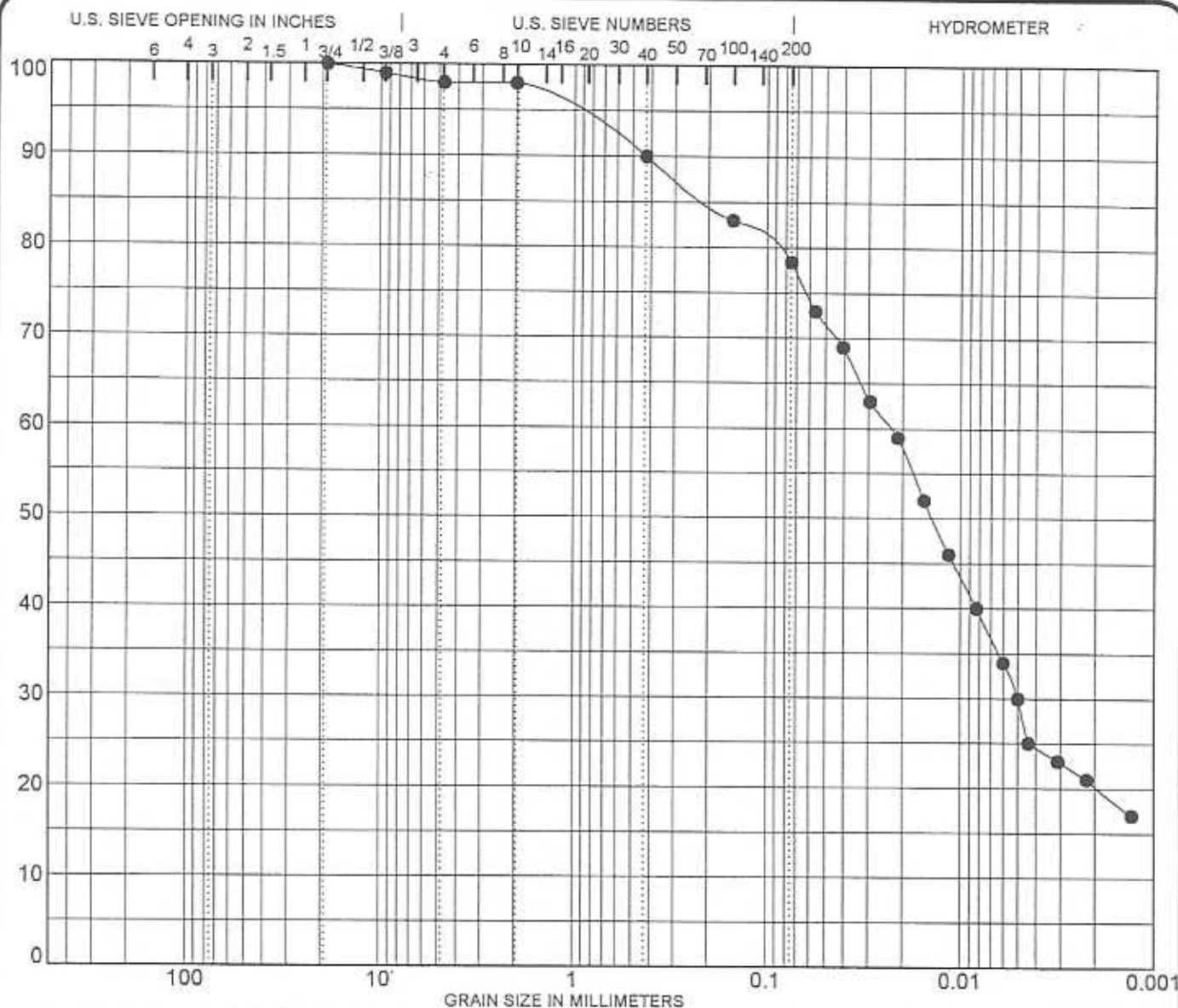
CITY,STATE : Clinton, Illinois

DATE : September 19, 2002

ATTERBERG LIMITS
Testing Service Corporation
Carol Stream, IL 60188

REV3





COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

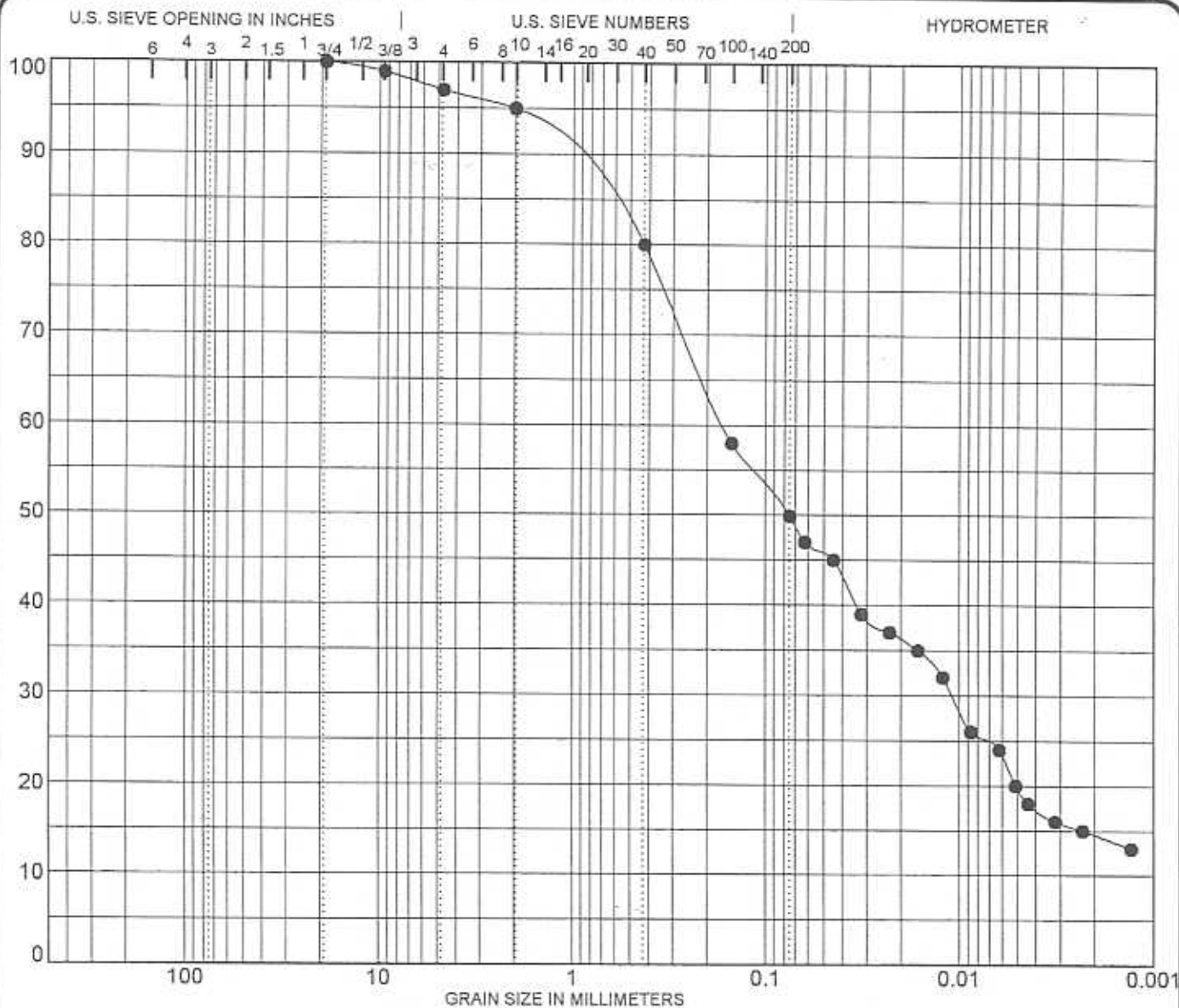
SPECIMEN IDENTIFICATION		SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 4		3 inch	100	Gray very silty CLAY, some sand, trace				
Sample: 22		2	100	gravel (CL-ML)				
Depth: 60.5'-63.5'		1 1/2	100					
		1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:		3/4	100	2	20	48	30	
		3/8	99					
		# 4	98	Ø dry (pcf)	MC%	LL	PL	PI
		# 10	98	NP	12.9	19	13	6
		# 40	90					
		# 100	83	Qu (tons/ft ²)				
		# 200	78	1.68				

PROJECT LOCATION Clinton Power Plant
Clinton, Illinois

JOB NO. L - 55,620
DATE September 19, 2002

SOIL DATA SHEET
Testing Service Corporation
Carol Stream, IL 60188

REV3



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION		SIEVE	% PASS	SOIL CLASSIFICATION				
Boring: 4		3 inch	100	Gray sandy CLAY, trace gravel (CL)				
Sample: 32		2	100					
Depth: 95.5'-98.5'		1 1/2	100					
		1	100	%GRAVEL	%SAND	%SILT	%CLAY	
NOTES:		3/4	100	3	47	30	20	
		3/8	99					
		# 4	97	Ø dry (pcf)	MC%	LL	PL	PI
		# 10	95	140.4	7.4	17	8	9
		# 40	80					
		# 100	58					
		# 200	50					

PROJECT LOCATION Clinton Power Plant
Clinton, Illinois

JOB NO. L - 55,620
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