Attachment A-6
TSC Laboratory Test Results

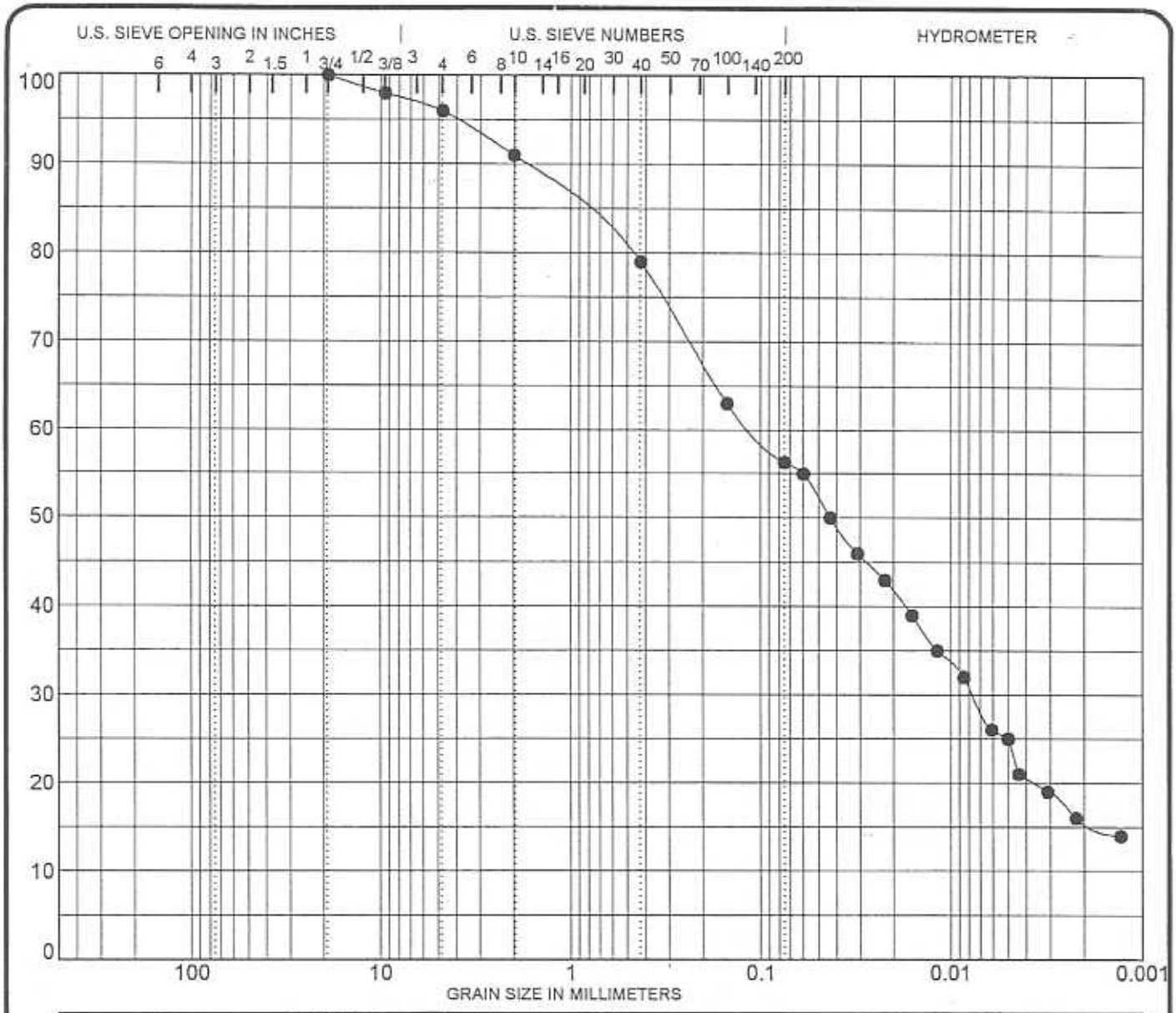
ATTACHMENT A-6

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 (75μm) 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
Boring: 1	3 inch	100
Sample: ST-2	2	100
Depth: 5.0'-7.0'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	98
	# 4	96
	# 10	91
	# 40	79
	# 100	63
	# 200	56

SOIL CLASSIFICATION

Brown sandy CLAY, trace gravel (CL)

%GRAVEL	%SAND	%SILT	%CLAY
4	40	31	25

ϒ dry (pcf)	MC%	LL	PL	PI
111.4	14.7	22	14	8

Qu (tons/ft2)	LOI%		
1.05	1.9		

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

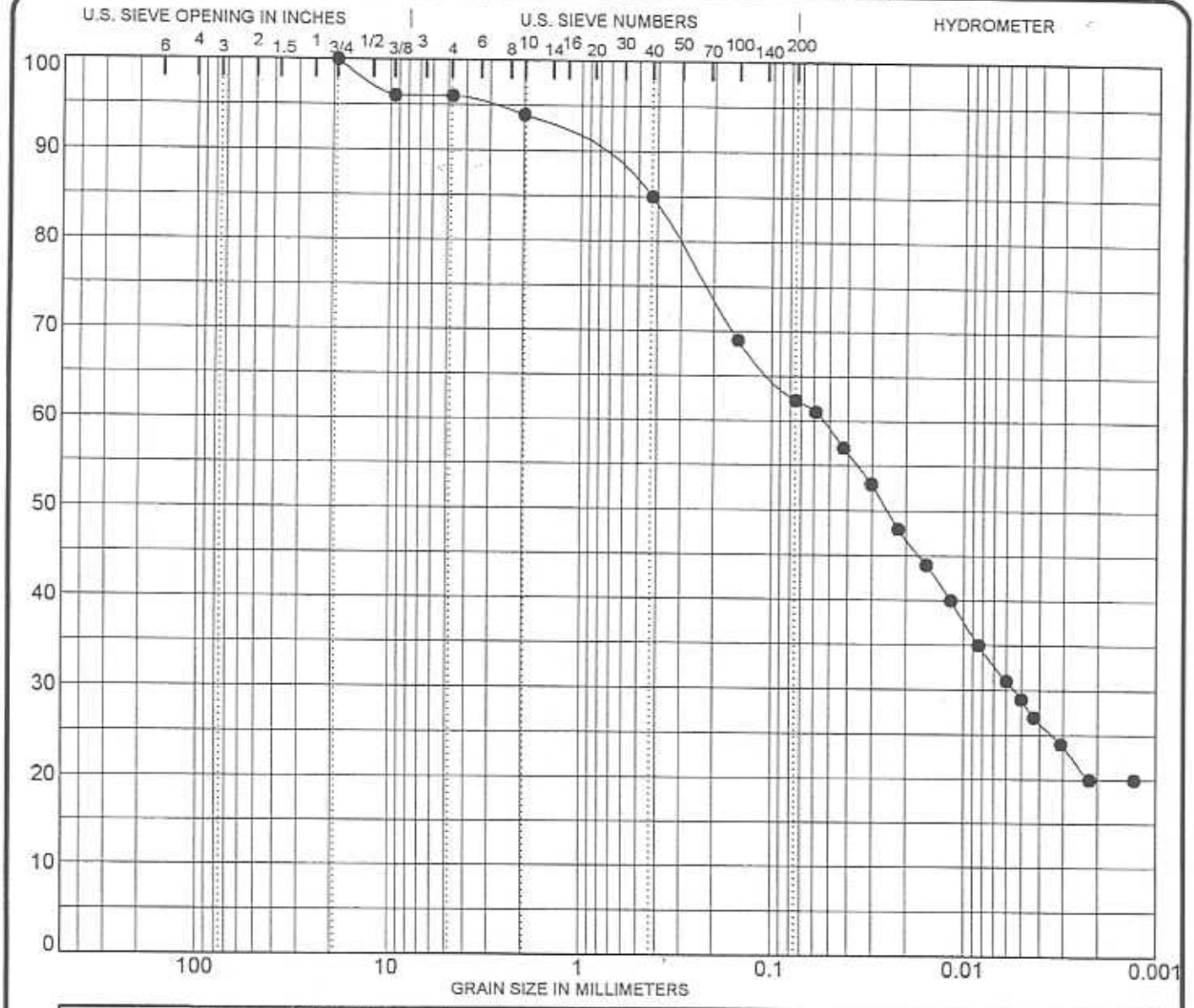
JOB NO. L - 55,620
DATE September 19, 2002

1

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55623.GPJ TSC ALLGDT 8/29/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 1	3 inch	100
Sample: 6 Pit	2	100
Depth: 15.5'-18.5'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	96
	# 4	96
	# 10	94
	# 40	85
	# 100	69
	# 200	62

SOIL CLASSIFICATION

Gray silty CLAY, some sand, trace gravel

(CL)

%GRAVEL	%SAND	%SILT	%CLAY
4	34	33	29

ϑ dry (pcf)	MC%	LL	PL	PI
117.7	15.0	23	13	10

Qu (tons/ft2)	LOI%		
1.78	2.4		

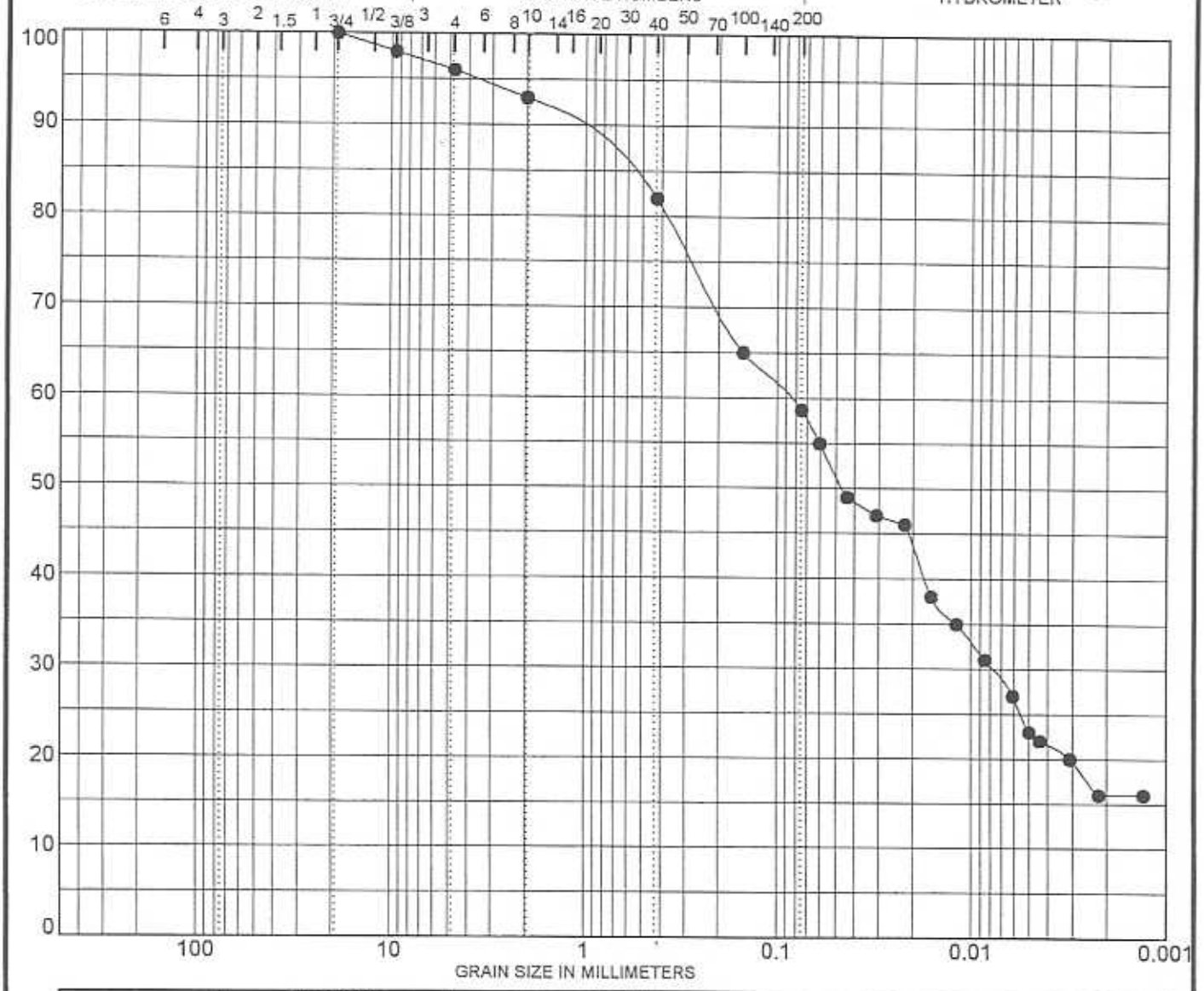
PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

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

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALL.GDT 9/30/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 1	3 inch	100
Sample: 13	2	100
Depth: 40.0'-42.0'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	98
	# 4	96
	# 10	93
	# 40	82
	# 100	65
	# 200	59

SOIL CLASSIFICATION

Gray sandy CLAY, trace gravel (CL)

%GRAVEL	%SAND	%SILT	%CLAY
4	37	36	23

ϒ dry (pcf)	MC%	LL	PL	PI
45.1	101.4	25	13	12

Qu (tons/ft2)	LOI%		
4.54	3.1		

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

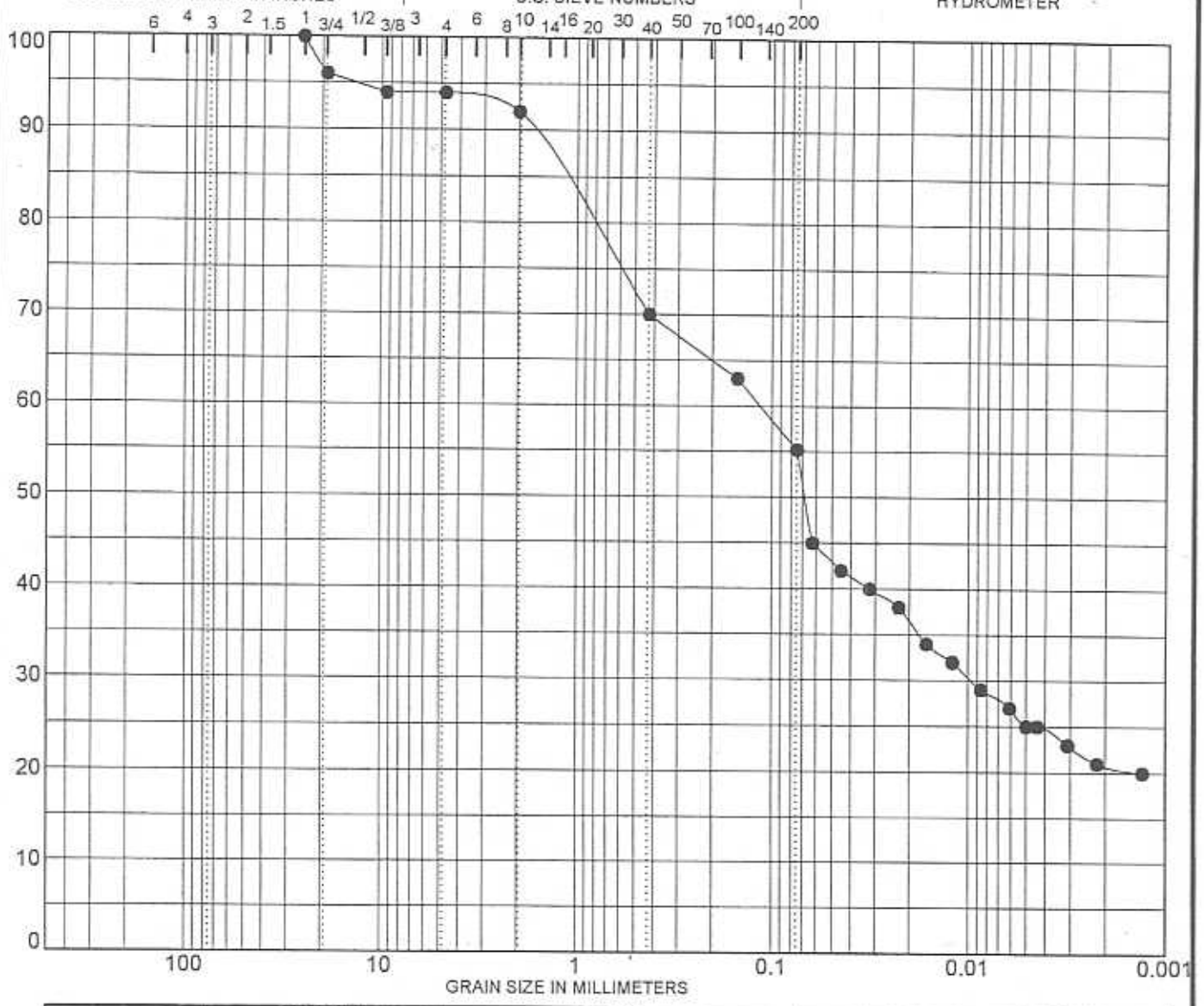
JOB NO. L - 55,620
DATE September 19, 2002

1

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALL.GDT 9/30/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 1	3 inch	100
Sample: 17	2	100
Depth: 50.0'-52.0'	1 1/2	100
	1	100
NOTES:	3/4	96
	3/8	94
	# 4	94
	# 10	92
	# 40	70
	# 100	63
	# 200	55

SOIL CLASSIFICATION

Olive sandy CLAY, trace gravel (CL)

%GRAVEL	%SAND	%SILT	%CLAY
6	39	30	25

ϒ dry (pcf)	MC%	LL	PL	PI
107.8	18.9	33	13	20

Qu (tons/ft2)			
0.58			

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

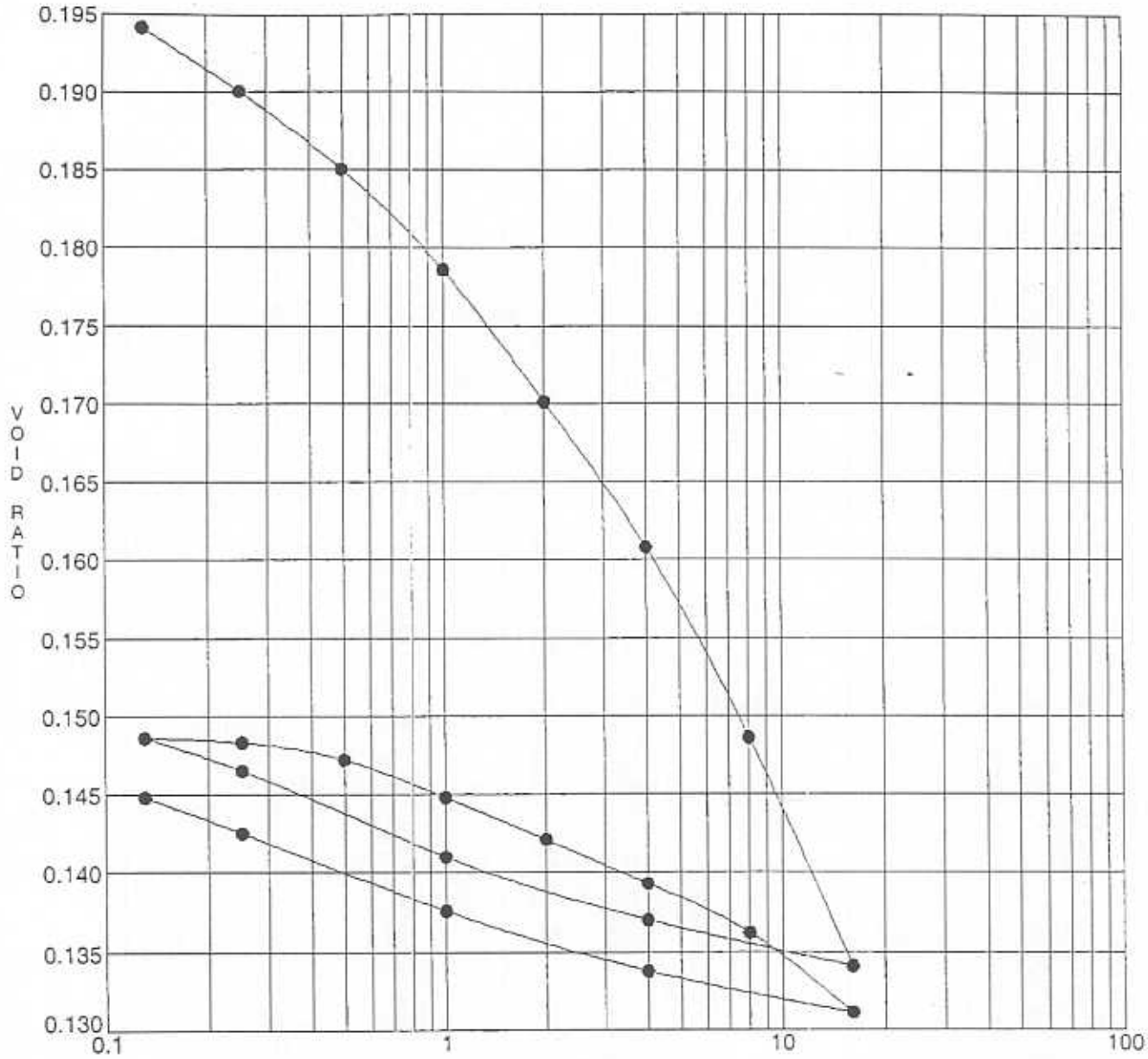
JOB NO. L - 55,620
DATE September 19, 2002

1

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC_ALL.GDT 9/30/02



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

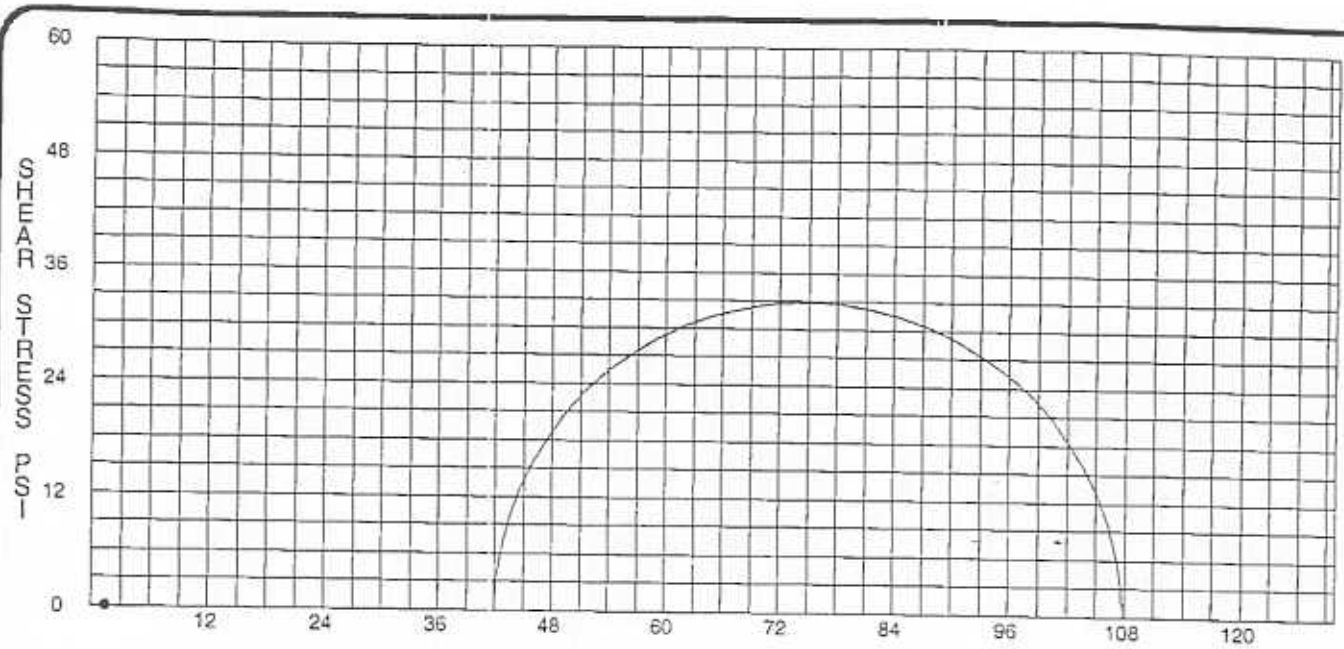
DATE December 24, 2002

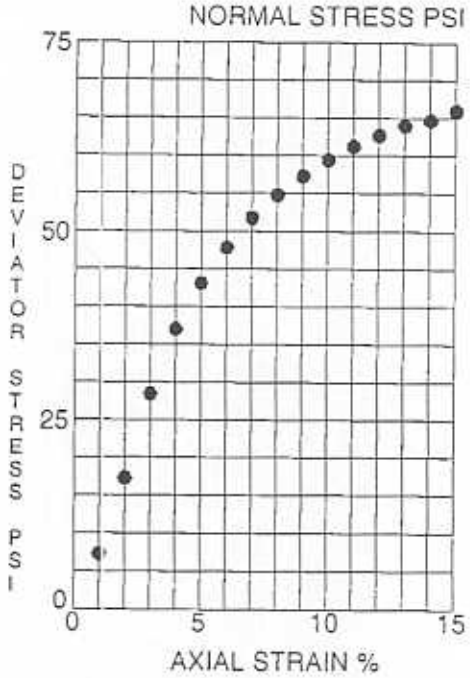
4

CONSOLIDATION TEST

TESTING SERVICE CORPORATION

Carol Stream, IL



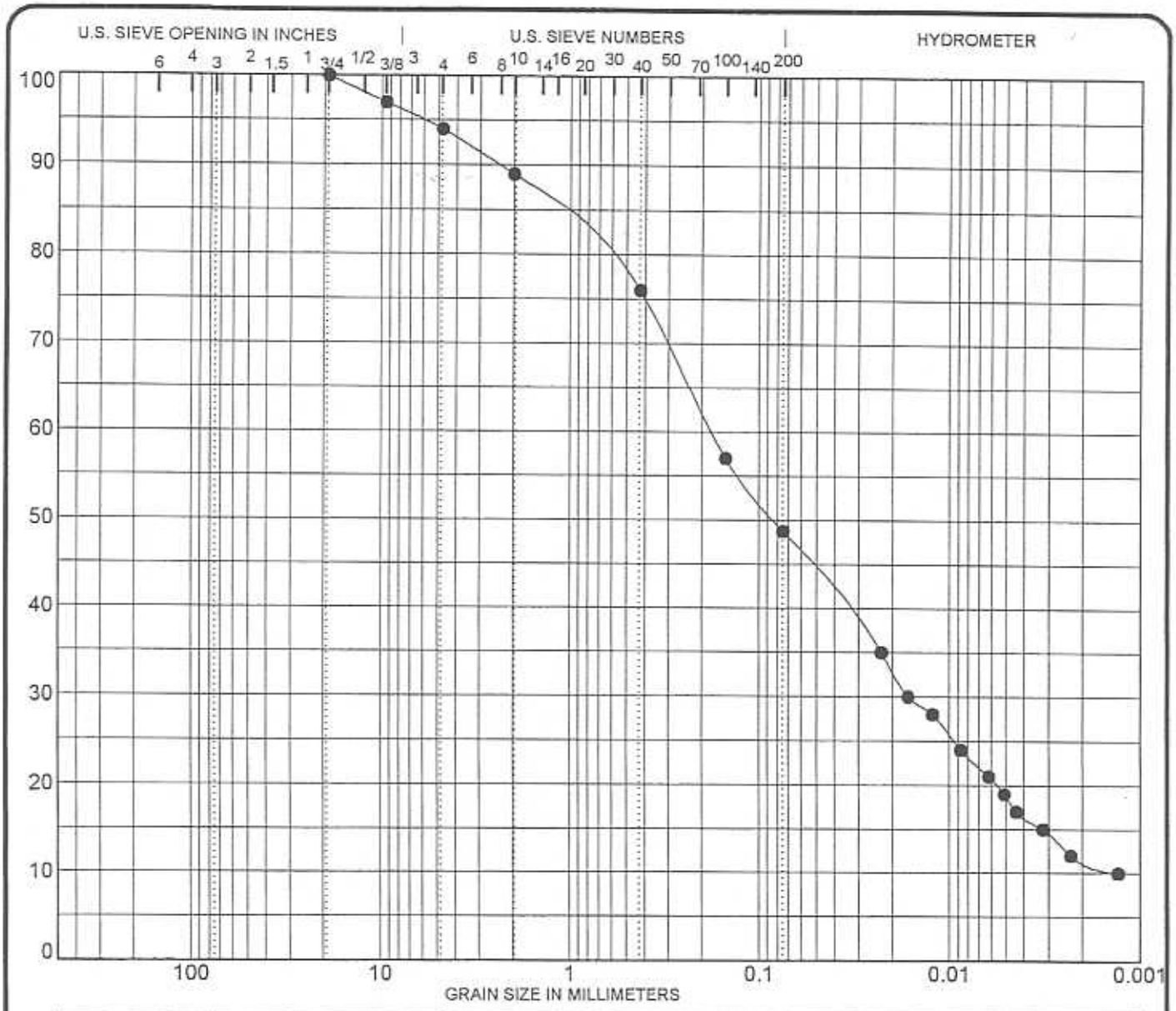


SAMPLE IDENTIFICATION:		●		
Boring 1	Confining Stress, psi	42.0		
Sample 30 PIT	Deviator Stress at Failure, psi	65.9		
Depth 90.5'- 93.5'	Water Content, %	9.0		
	Dry Unit Weight, PCF	130.8		
SAMPLE DESCRIPTION:	Strain Rate, inches/min	0.0550		
Gray silty CLAY, some				
sand, trace to little gravel		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

PROJECT Clinton Power Plant - JOB NO. L - 55,620
LOCATION Clinton, Illinois 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
Boring: 2	3 inch	100
Sample: 20	2	100
Depth: 90.5'-93.5'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	97
	# 4	94
	# 10	89
	# 40	76
	# 100	57
	# 200	49

SOIL CLASSIFICATION: Gray clayey SAND, trace gravel (SC)

%GRAVEL	%SAND	%SILT	%CLAY
6	45	30	19

ϒ dry (pcf)	MC%	LL	PL	PI
140.2	7.4	19	8	11

Qu (tons/ft2)
14.40

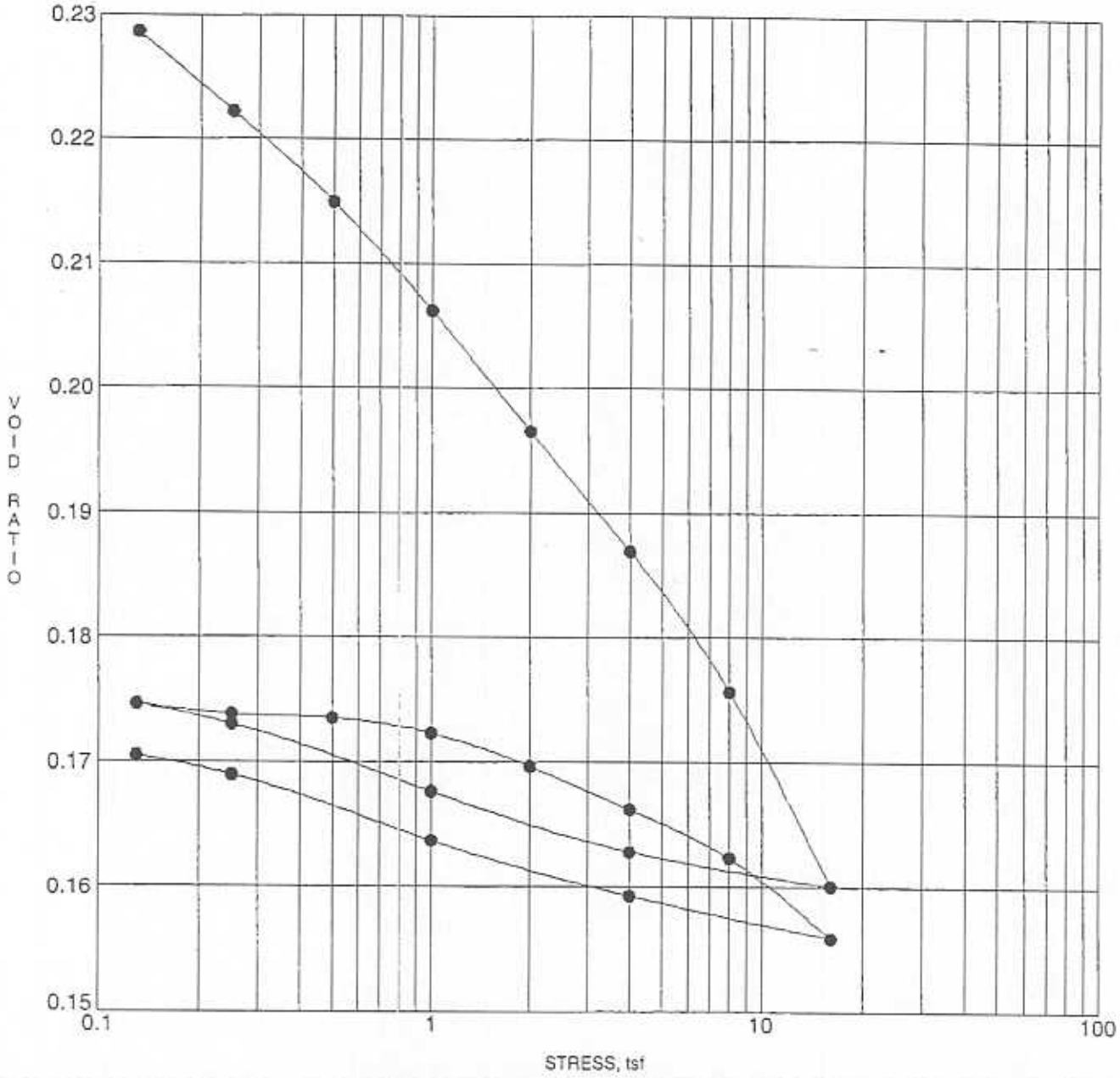
PROJECT Clinton Power Plant
LOCATION Clinton, Illinois
JOB NO. L - 55,620
DATE September 19, 2002

2

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALL.GDT 9/30/02



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**

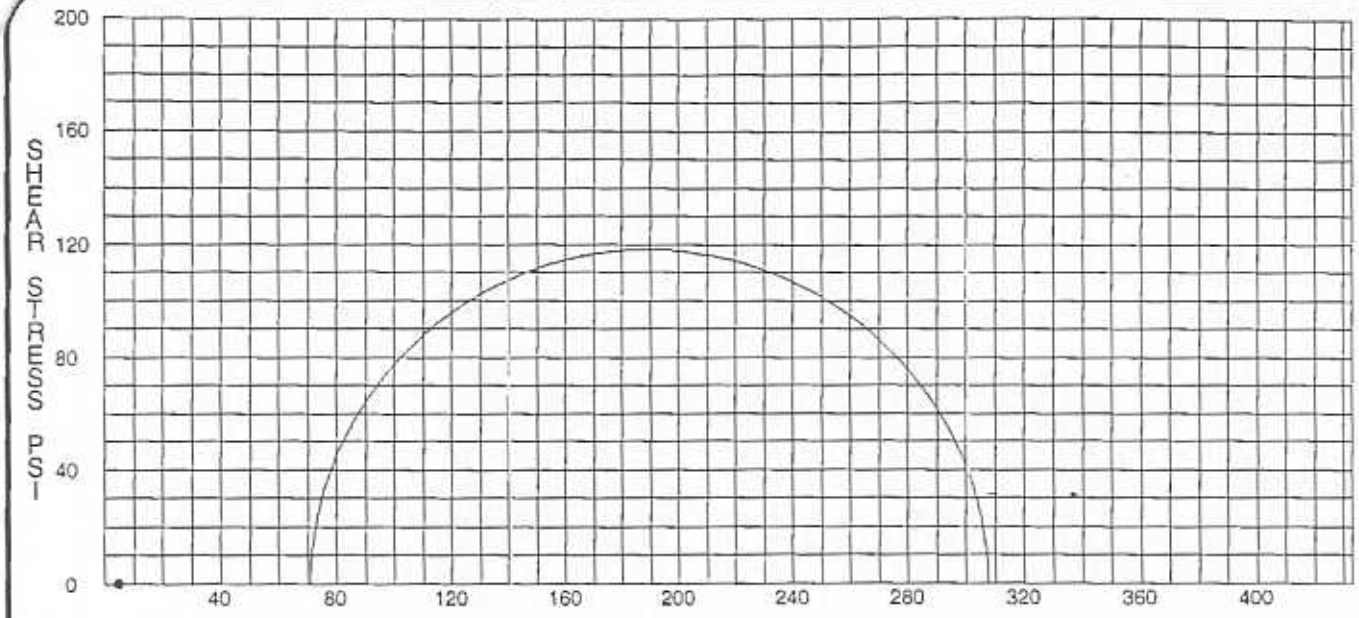
DATE **December 24, 2002**

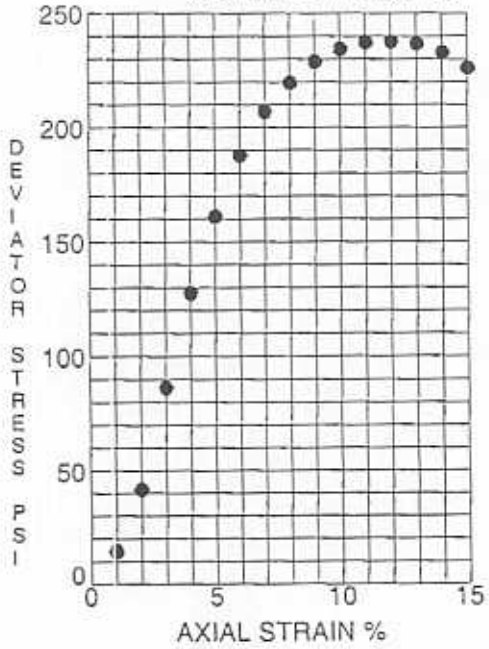
6

CONSOLIDATION TEST

TESTING SERVICE CORPORATION

Carol Stream, IL





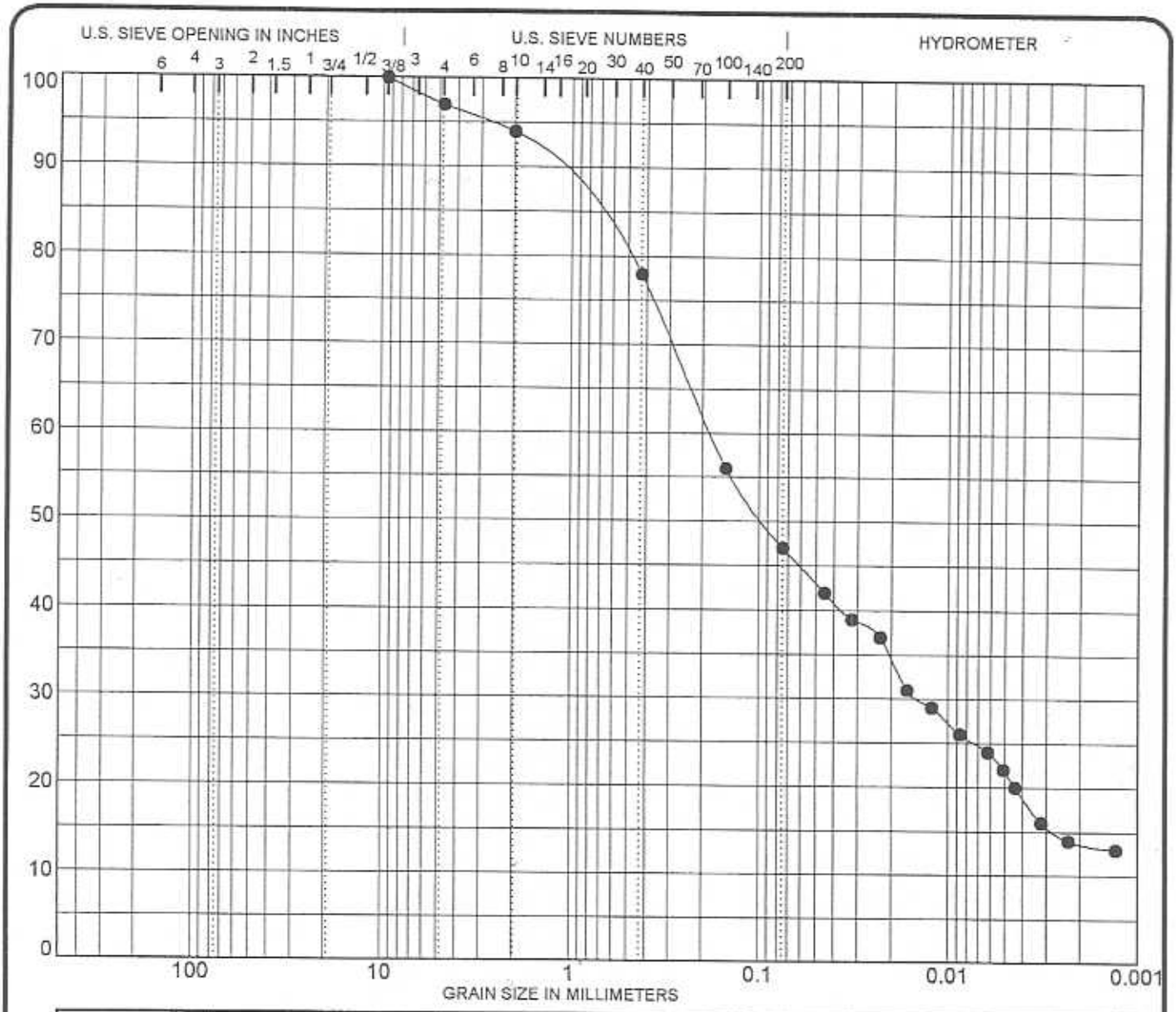
SAMPLE IDENTIFICATION:		●		
Boring 2	Confining Stress, psi	71.0		
Sample 27	Deviator Stress at Failure, psi	237.4		
Depth 145.5'- 148.5'	Water Content, %	8.0		
	Dry Unit Weight, PCF	135.5		
SAMPLE DESCRIPTION:	Strain Rate, inches/min	0.0538		
Gray silty CLAY, some				
sand, trace to little gravel			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

PROJECT Clinton Power Plant - JOB NO. L - 55,620
LOCATION Clinton, Illinois DATE November 19, 2002

UNCONSOLIDATED UNDRAINED TRIAXIAL SHEAR

TESTING SERVICE CORPORATION
Carol Stream, IL

1



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 2	3 inch	100
Sample: 32	2	100
Depth: 190.5'-193.5'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	100
	# 4	97
	# 10	94
	# 40	78
	# 100	56
	# 200	47

SOIL CLASSIFICATION: Gray clayey SAND, trace gravel (SC)

%GRAVEL	%SAND	%SILT	%CLAY
3	50	25	22

γ dry (pcf)	MC%	LL	PL	PI
134.4	8.6	17	8	9

Qu (tons/ft2)
4.85

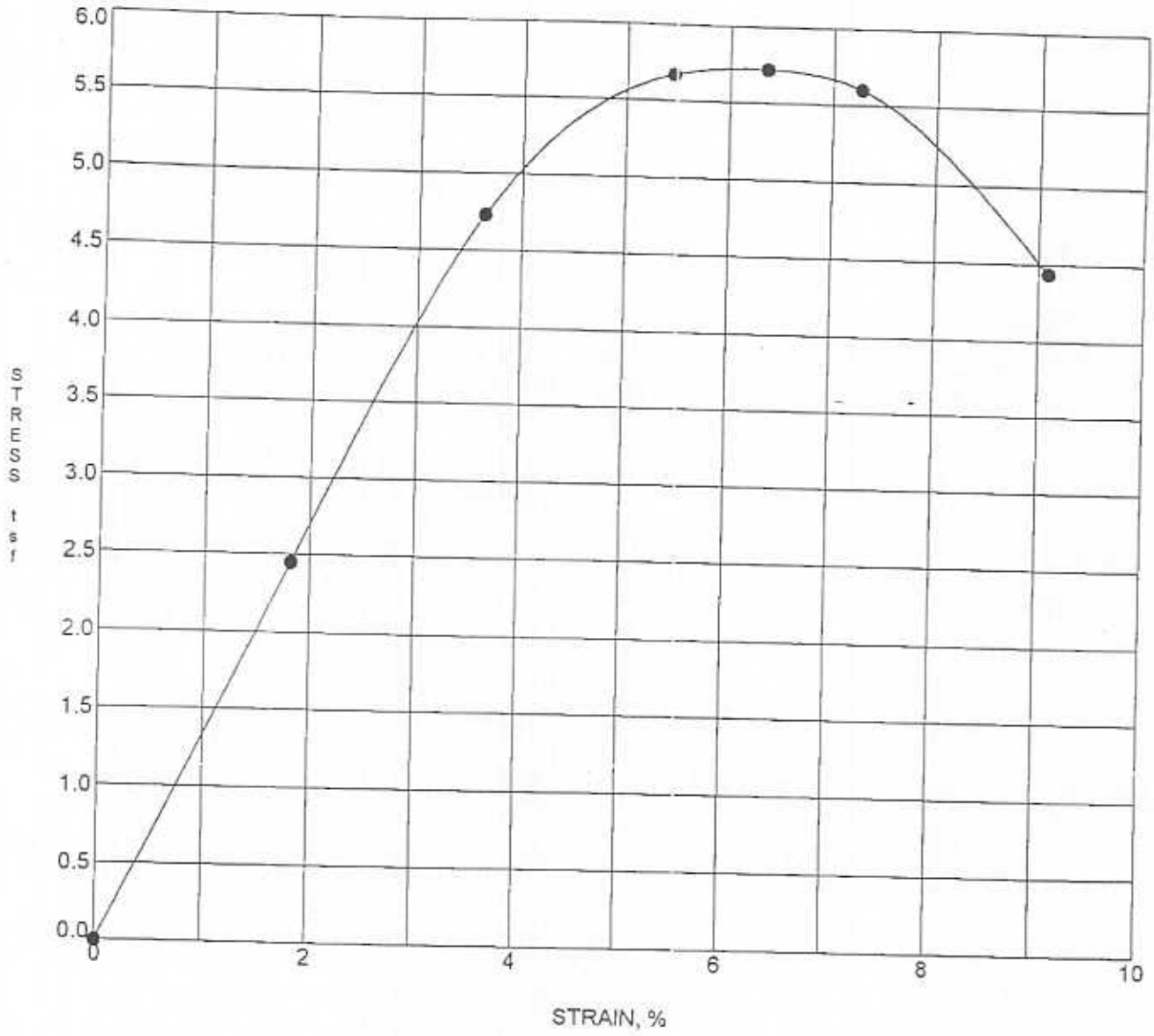
PROJECT Clinton Power Plant
LOCATION Clinton, Illinois
JOB NO. L - 55,620
DATE September 19, 2002

2

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGEN:R 55620.GPJ TSC ALL.GDT 9/30/02



SPECIMEN IDENTIFICATION	SOIL CLASSIFICATION
Boring: 2	Brown and gray silty CLAY, little sand, trace gravel
Sample: 35 Pit	(CL)
Depth: 210.0'-213.0'	

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 Clinton Power Plant
LOCATION Clinton, Illinois

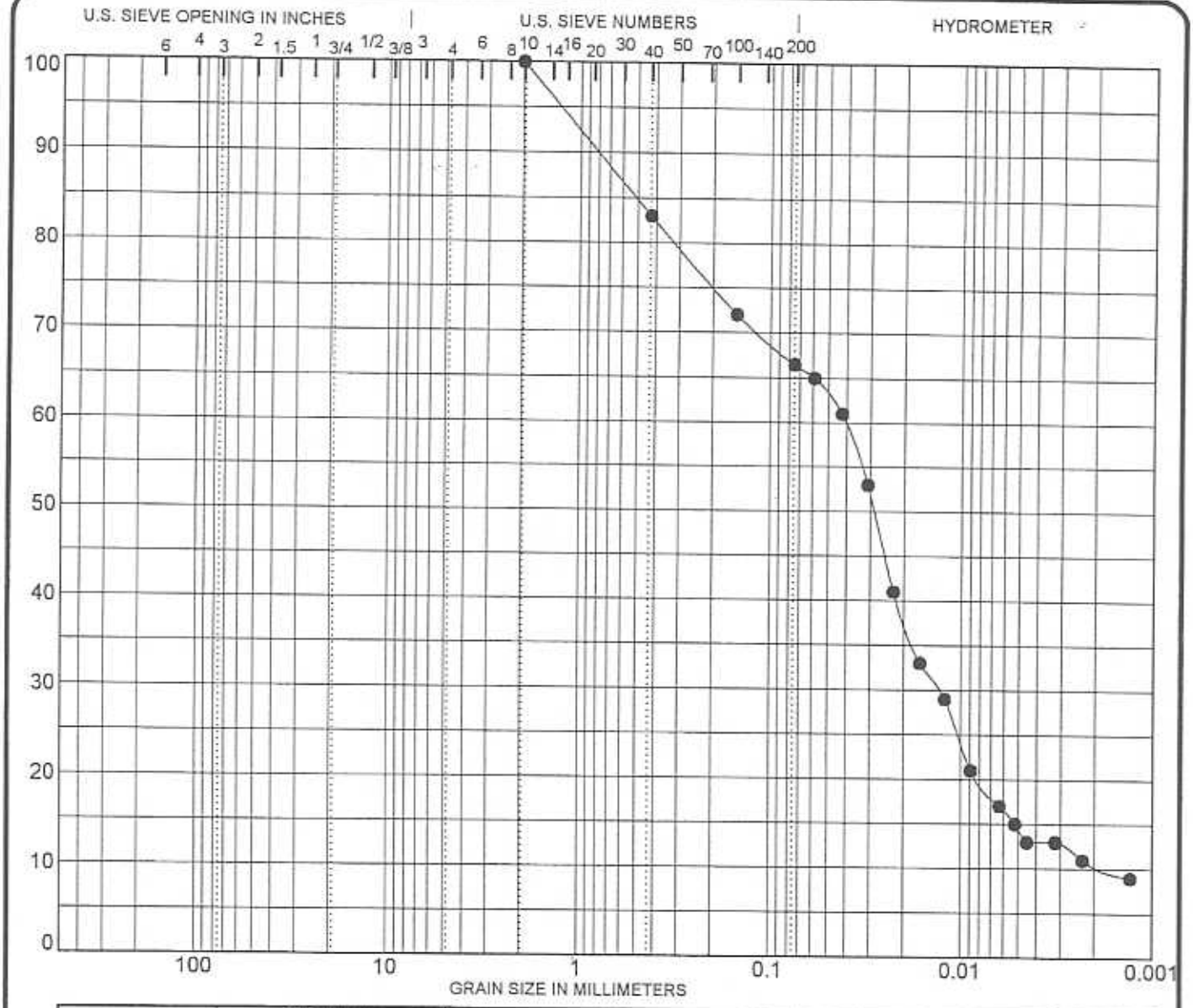
JOB NO. L - 55,620
DATE December 11, 2002

2

UNCONFINED COMPRESSION TEST

Testing Service Corporation
Carol Stream, IL 60188

UNCONPIN 55620.GPJ TSC ALL.GDT 12/13/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 2	3 inch	100
Sample: 40	2	100
Depth: 265.5'-268.5'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	100
	# 4	100
	# 10	100
	# 40	83
	# 100	72
	# 200	67

SOIL CLASSIFICATION

Gray clayey SILT, some sand (ML)

%GRAVEL	%SAND	%SILT	%CLAY
0	34	52	14

δ dry (pcf)	MC%	LL	PL	PI
NP	22.9	NP	NP	NP

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

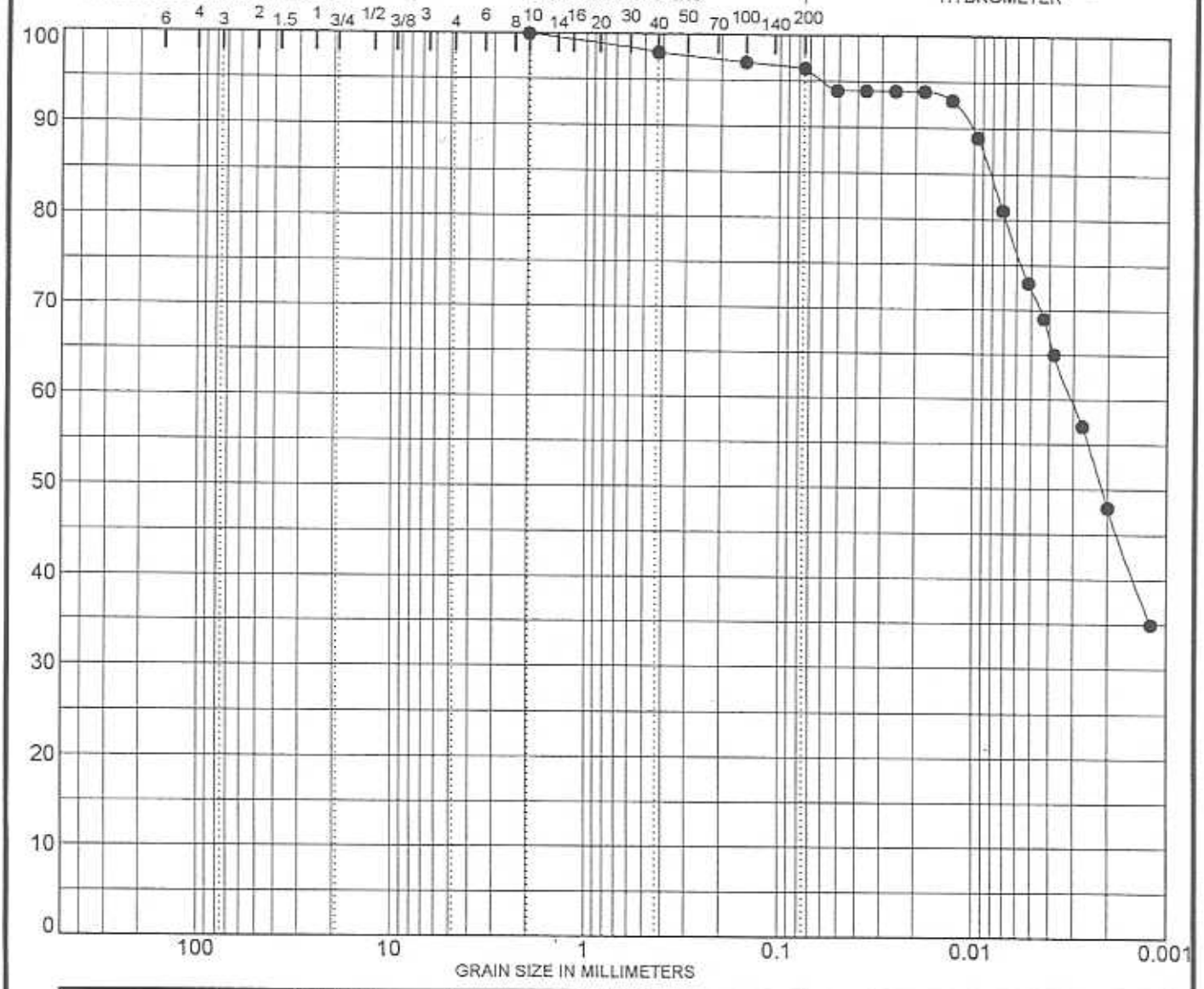
JOB NO. L - 55,620
DATE September 19, 2002

2

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC_ALL.GDT 9/30/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	SOIL CLASSIFICATION
Boring: 2	3 inch	100	Brown silty CLAY, trace sand (CL)
Sample: 42	2	100	
Depth: 280.0'-280.5'	1 1/2	100	
	1	100	
NOTES:	3/4	100	
	3/8	100	
	# 4	100	
	# 10	100	
	# 40	98	
	# 100	97	
	# 200	96	

%GRAVEL	%SAND	%SILT	%CLAY
0	4	24	72

		LL	PL	PI
		46	17	29

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

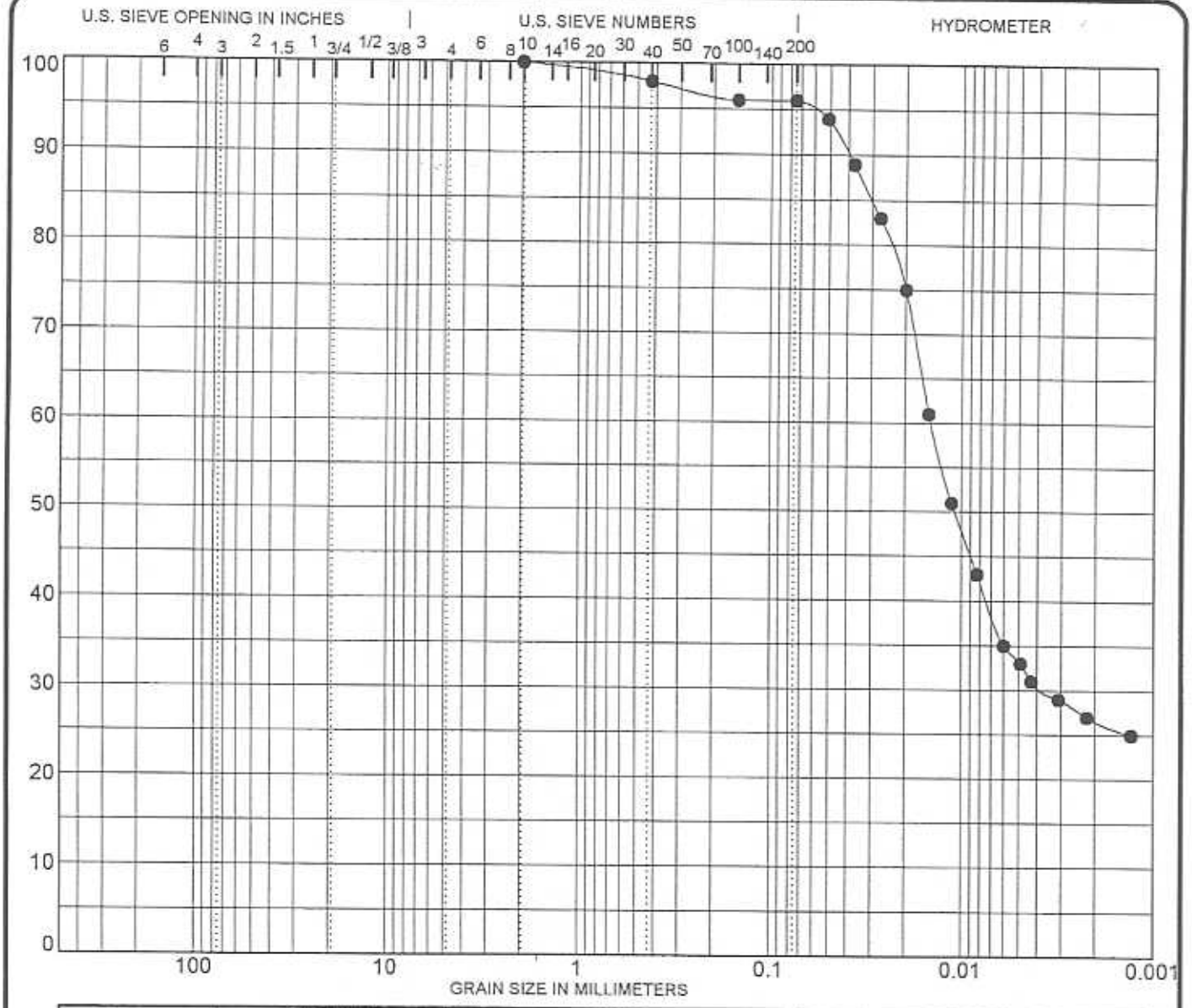
JOB NO. L - 55,620
DATE September 19, 2002

2

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALL.GDT 9/27/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 3	3 inch	100
Sample: 2	2	100
Depth: 5.0'-7.0'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	100
	# 4	100
	# 10	100
	# 40	98
	# 100	96
	# 200	96

SOIL CLASSIFICATION

Brown and gray very silty CLAY, trace sand

(CL)

%GRAVEL	%SAND	%SILT	%CLAY
0	4	63	33

γ dry (pcf)	MC%	LL	PL	PI
104.1	19.9	42	14	28

Qu (tons/ft2)			
2.08			

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

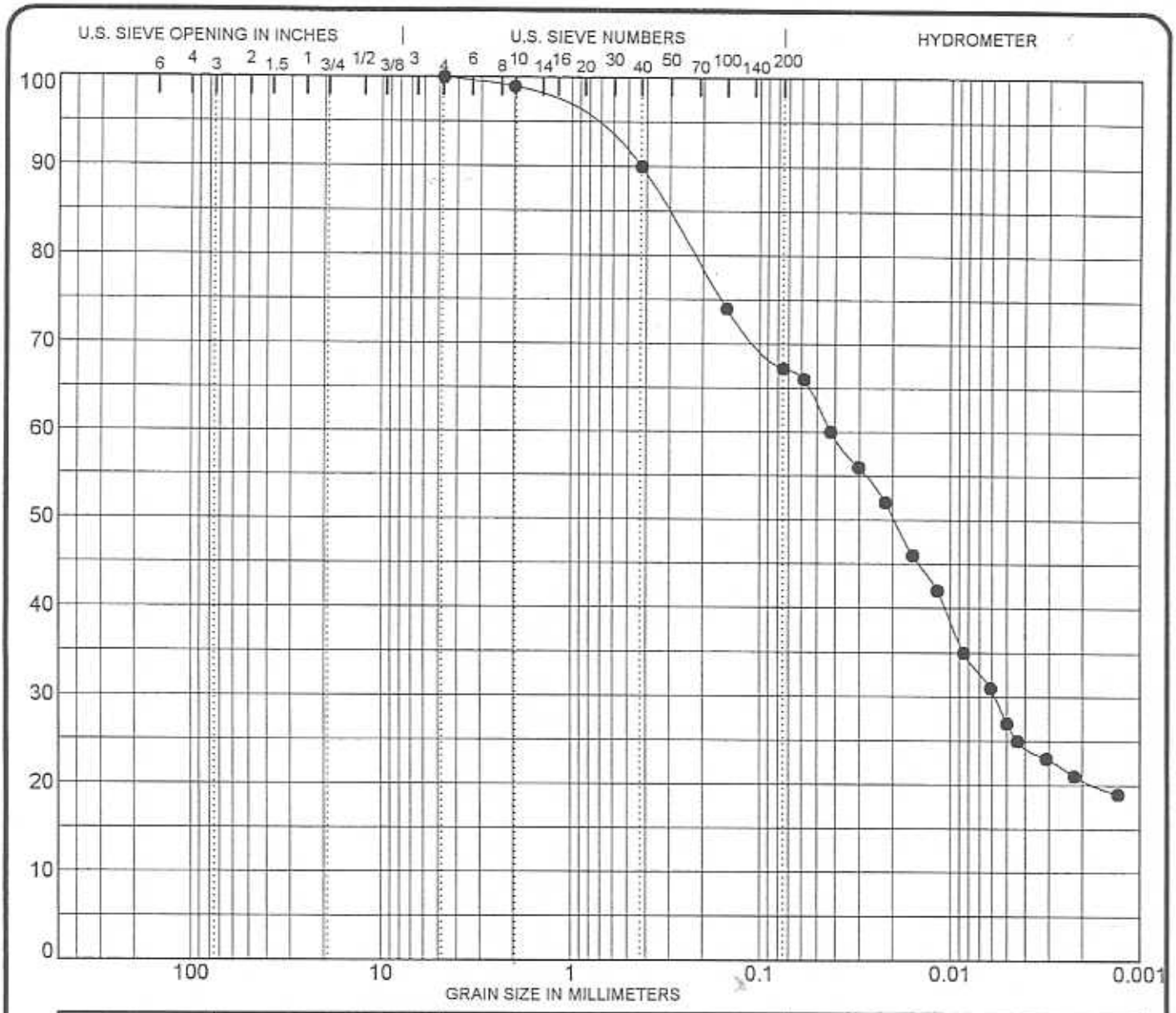
JOB NO. L - 55,620
DATE September 19, 2002

3

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALL.GDT 9/30/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 3	3 inch	100
Sample: 10	2	100
Depth: 30.0'-32.0'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	100
	# 4	100
	# 10	99
	# 40	90
	# 100	74
	# 200	67

SOIL CLASSIFICATION: Gray silty CLAY, some sand (CL)

%GRAVEL	%SAND	%SILT	%CLAY
0	33	40	27

γ dry (pcf)	MC%	LL	PL	PI
115.7	15.9	23	13	10

Qu (tons/ft2)
1.26

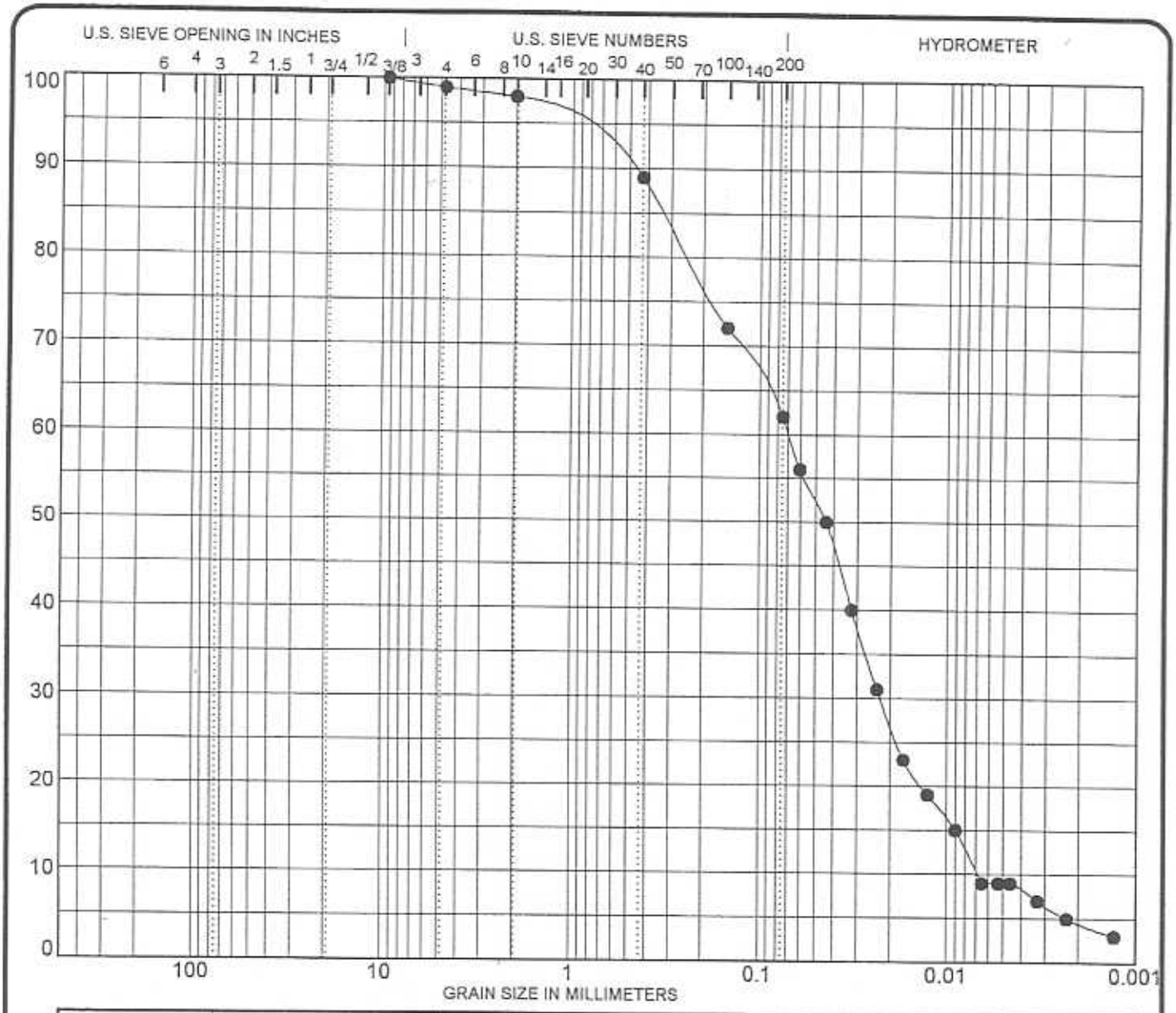
PROJECT Clinton Power Plant
LOCATION Clinton, Illinois
JOB NO. L - 55,620
DATE September 19, 2002

3

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC_ALL.GDT 9/30/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 3	3 inch	100
Sample: 18	2	100
Depth: 55.5'-58.5'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	100
	# 4	99
	# 10	98
	# 40	89
	# 100	72
	# 200	62

SOIL CLASSIFICATION

Gray sandy SILT, trace clay and gravel

(ML)

%GRAVEL	%SAND	%SILT	%CLAY
1	37	53	9

δ dry (pcf)	MC%	LL	PL	PI
NP	14.9	NP	NP	NP

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

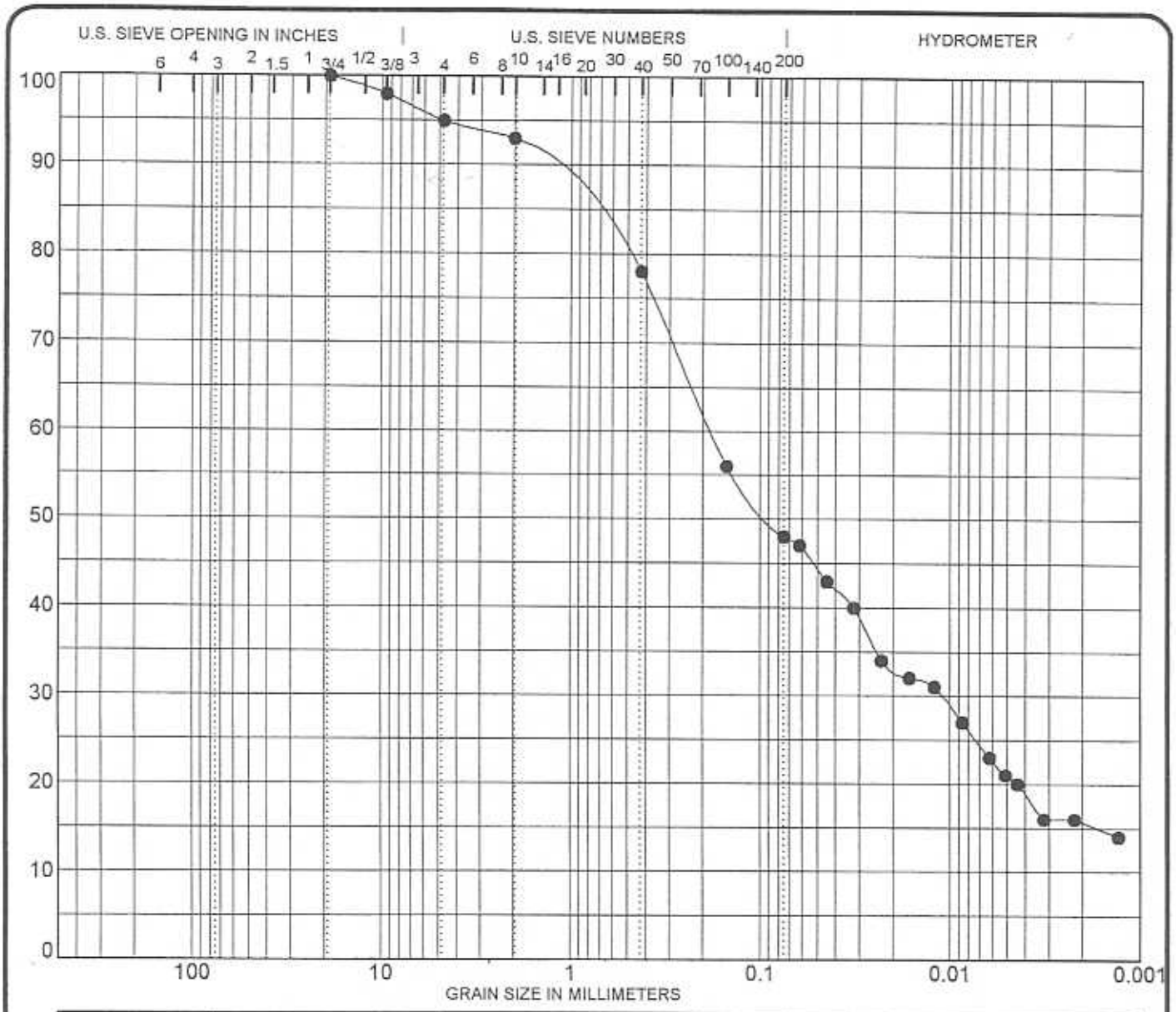
JOB NO. L - 55,620
DATE September 19, 2002

3

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALL.GDT 9/30/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 3	3 inch	100
Sample: 26	2	100
Depth: 80.5'-5-83.5'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	98
	# 4	95
	# 10	93
	# 40	78
	# 100	56
	# 200	48

SOIL CLASSIFICATION

Gray clayey SAND, trace gravel (SC)

%GRAVEL	%SAND	%SILT	%CLAY
5	47	27	21

γ_{dry} (pcf)	MC%	LL	PL	PI
134.2	8.5	17	10	7

Qu (tons/ft2)			
7.82			

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

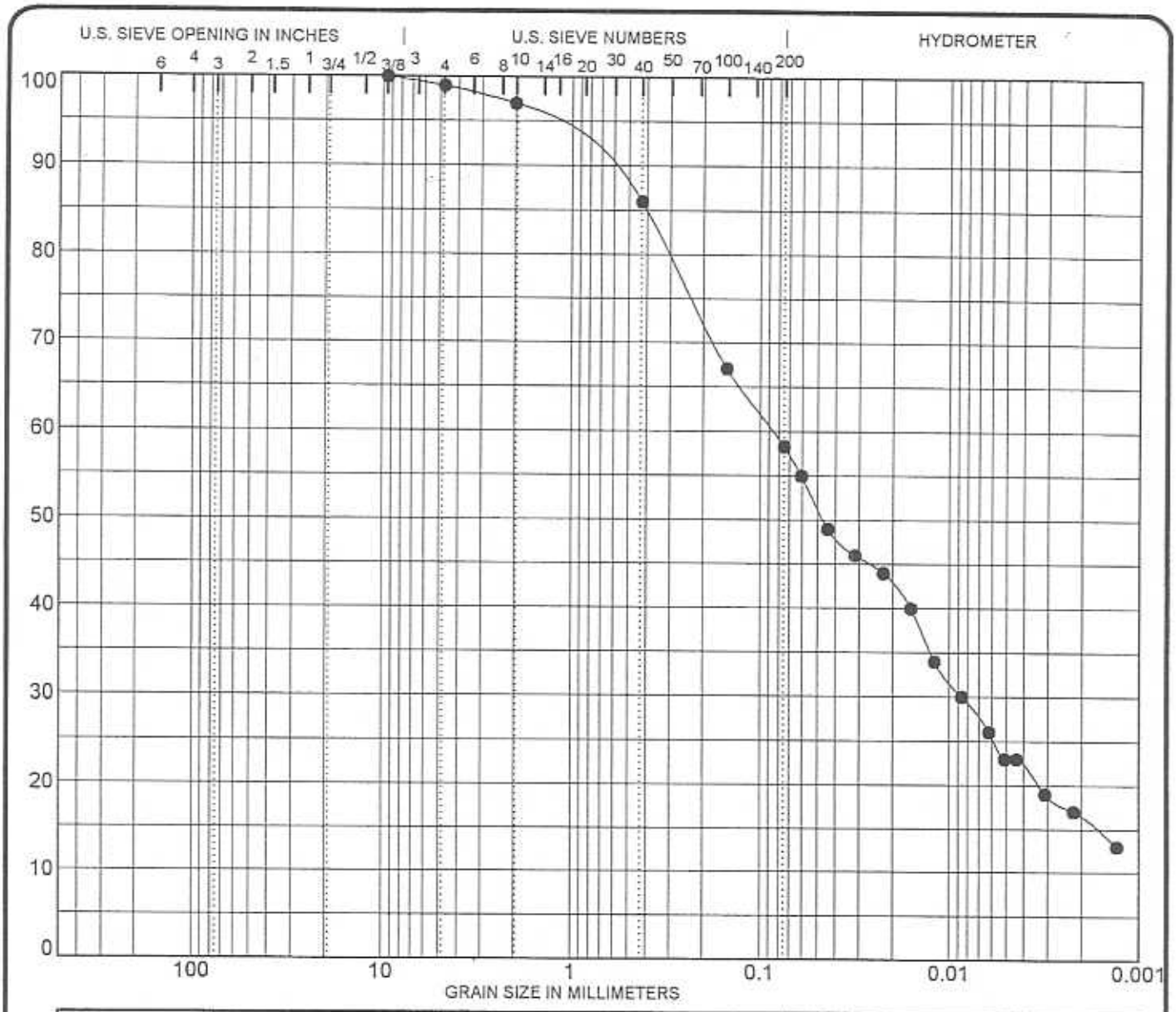
JOB NO. L - 55,620
DATE September 19, 2002

3

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALLGDT 9/30/02



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	
NOTES:	3/4	100	
	3/8	100	
	# 4	99	
	# 10	97	
	# 40	86	
	# 100	67	
	# 200	58	

%GRAVEL	%SAND	%SILT	%CLAY
1	41	35	23

γ dry (pcf)	MC%	LL	PL	PI
135.2	8.7	18	9	9

Qu (tons/ft2)			
8.45			

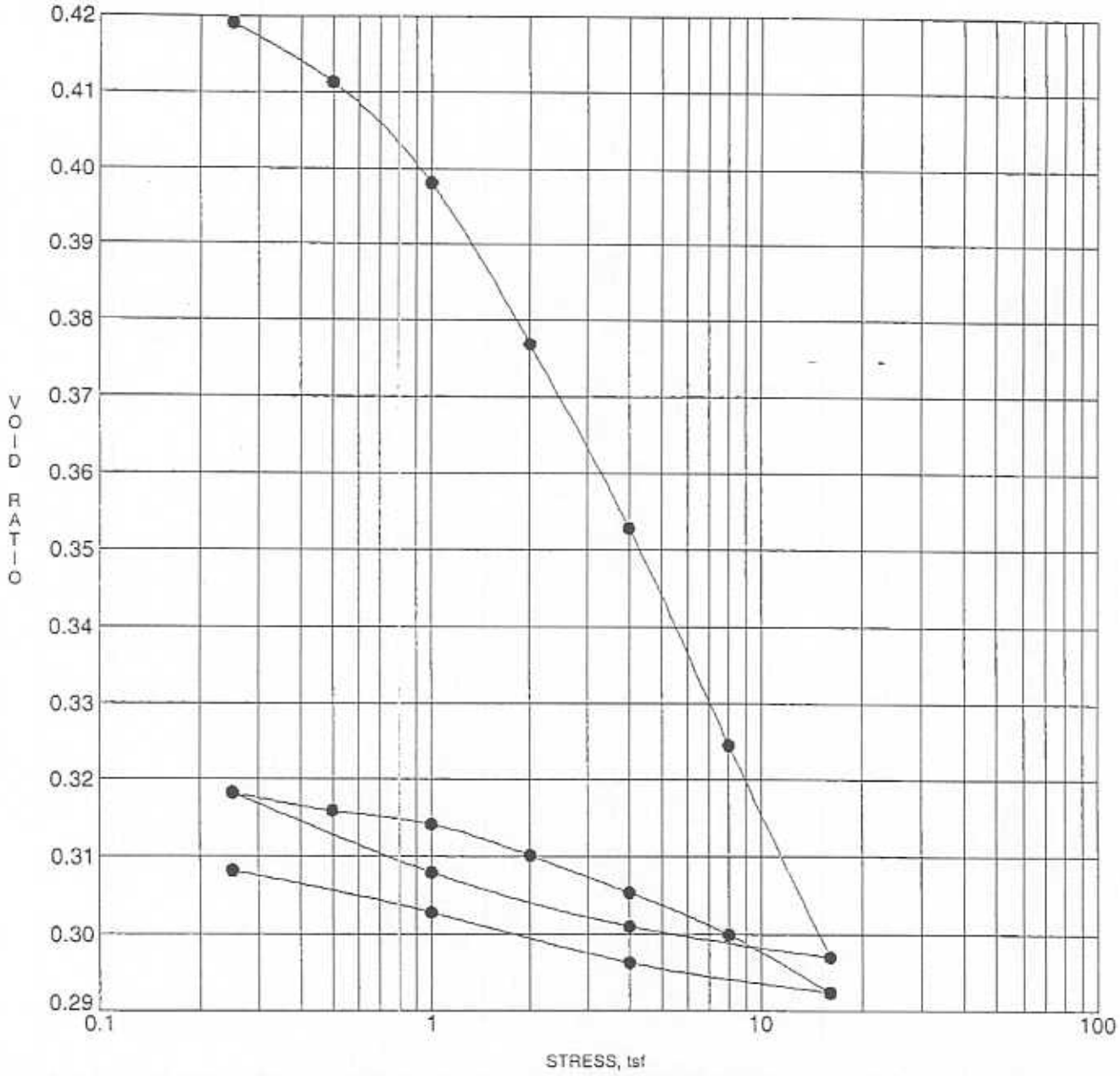
PROJECT Clinton Power Plant
LOCATION Clinton, Illinois
JOB NO. L - 55,620
DATE September 19, 2002

3

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 5562D.GPJ TSC_ALL.GDT 8/30/02



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

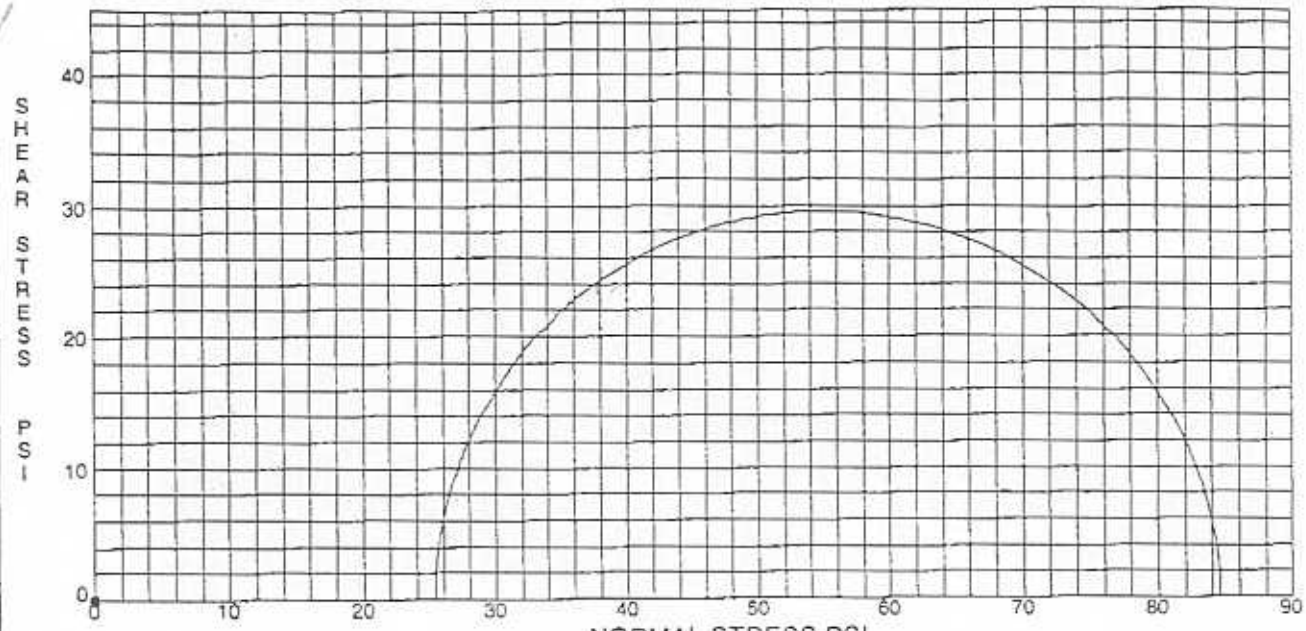
DATE December 18, 2002

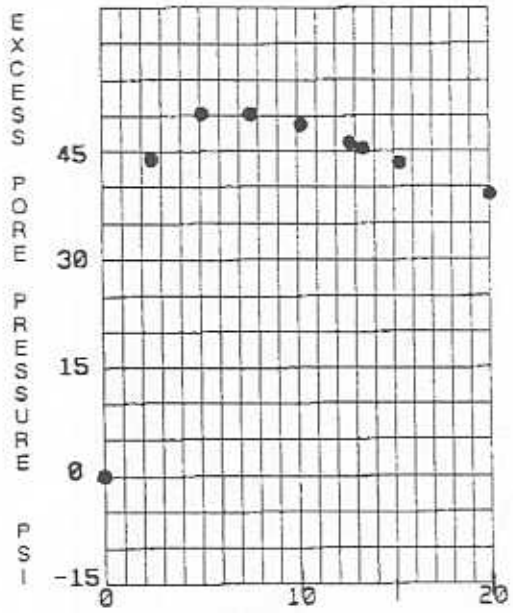
3

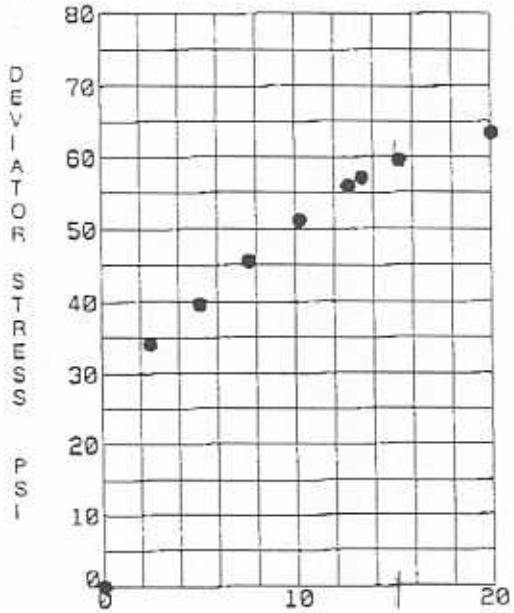
CONSOLIDATION TEST

TESTING SERVICE CORPORATION

Carol Stream, IL





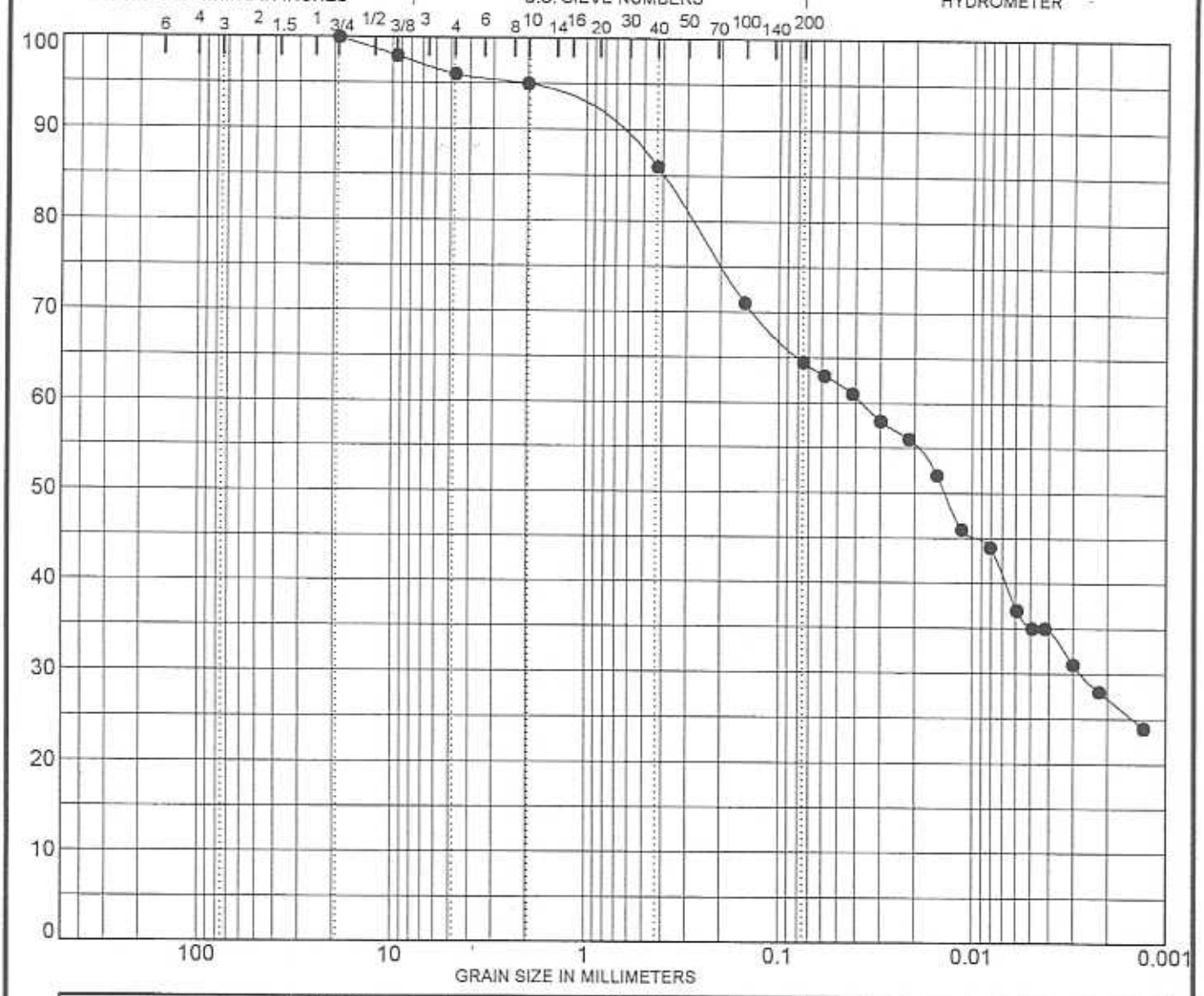


SAMPLE IDENTIFICATION		●		
Boring 3	Initial Effective Cell Pressure, psi	69.0		
Sample 42PIT	Deviator Stress at Failure, psi	59.6		
Depth 170.0'- 173.0'	Water Content, %	13.5		
	Dry Unit Weight, PCF	108.0		
SAMPLE DESCRIPTION:	Strain Rate, inches/min	0.0023		

PROJECT Clinton Power Plant - JOB NO. L - 55,620
LOCATION Clinton, Illinois DATE February 12, 2003

CONSOLIDATED TRIAXIAL SHEAR WITH PORE PRESSURE READINGS

TESTING SERVICE CORPORATION
Carol Stream, IL



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 3	3 inch	100
Sample: 50	2	100
Depth: 225.5'-228.5'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	98
	# 4	96
	# 10	95
	# 40	86
	# 100	71
	# 200	65

SOIL CLASSIFICATION: Brownish gray silty CLAY, some sand, trace gravel (CL)

%GRAVEL	%SAND	%SILT	%CLAY
4	32	29	35

γ dry (pcf)	MC%	LL	PL	PI
110.6	17.6	32	18	14

Qu (tons/ft2)			
4.55			

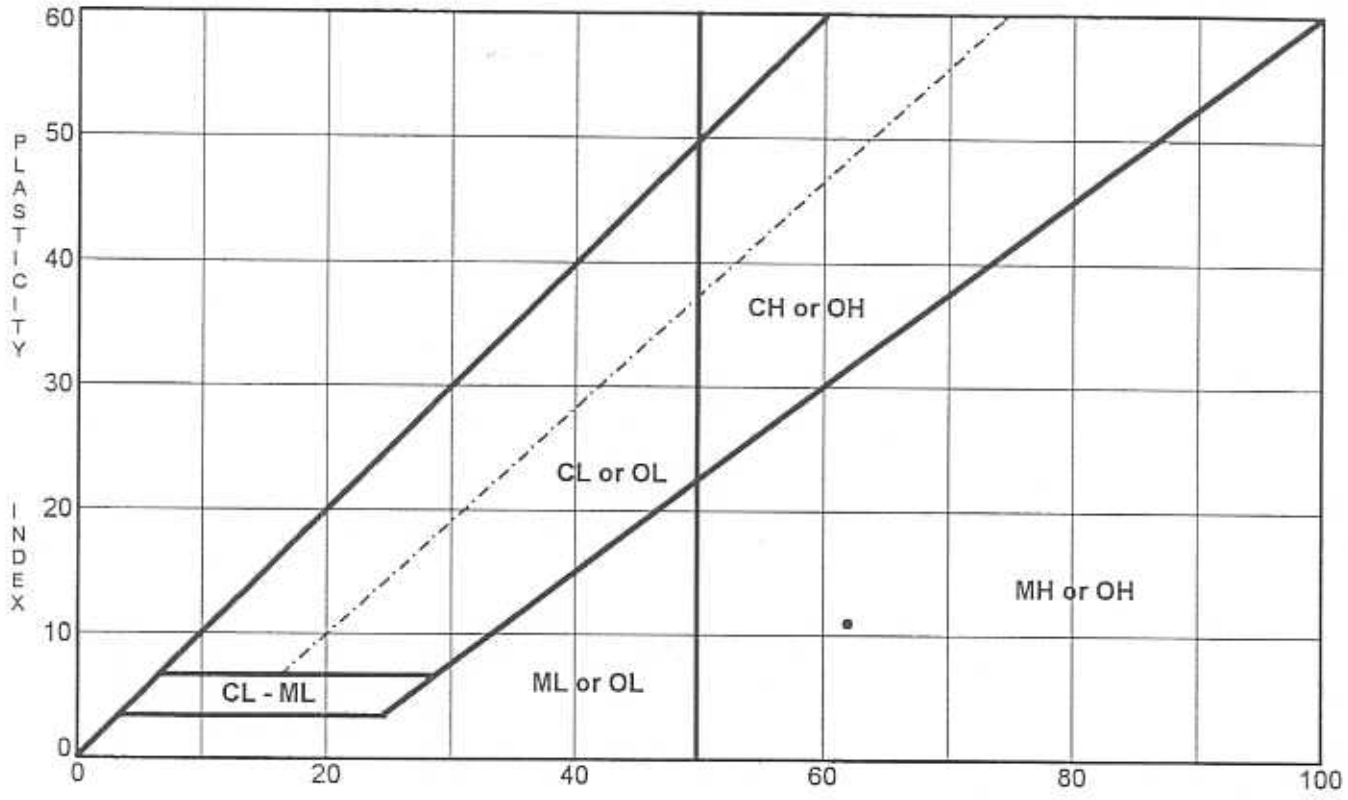
PROJECT Clinton Power Plant
LOCATION Clinton, Illinois
JOB NO. L - 55,620
DATE September 19, 2002

3

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALL.GDT 9/30/02



LIQUID LIMIT

ASTM D 4318

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

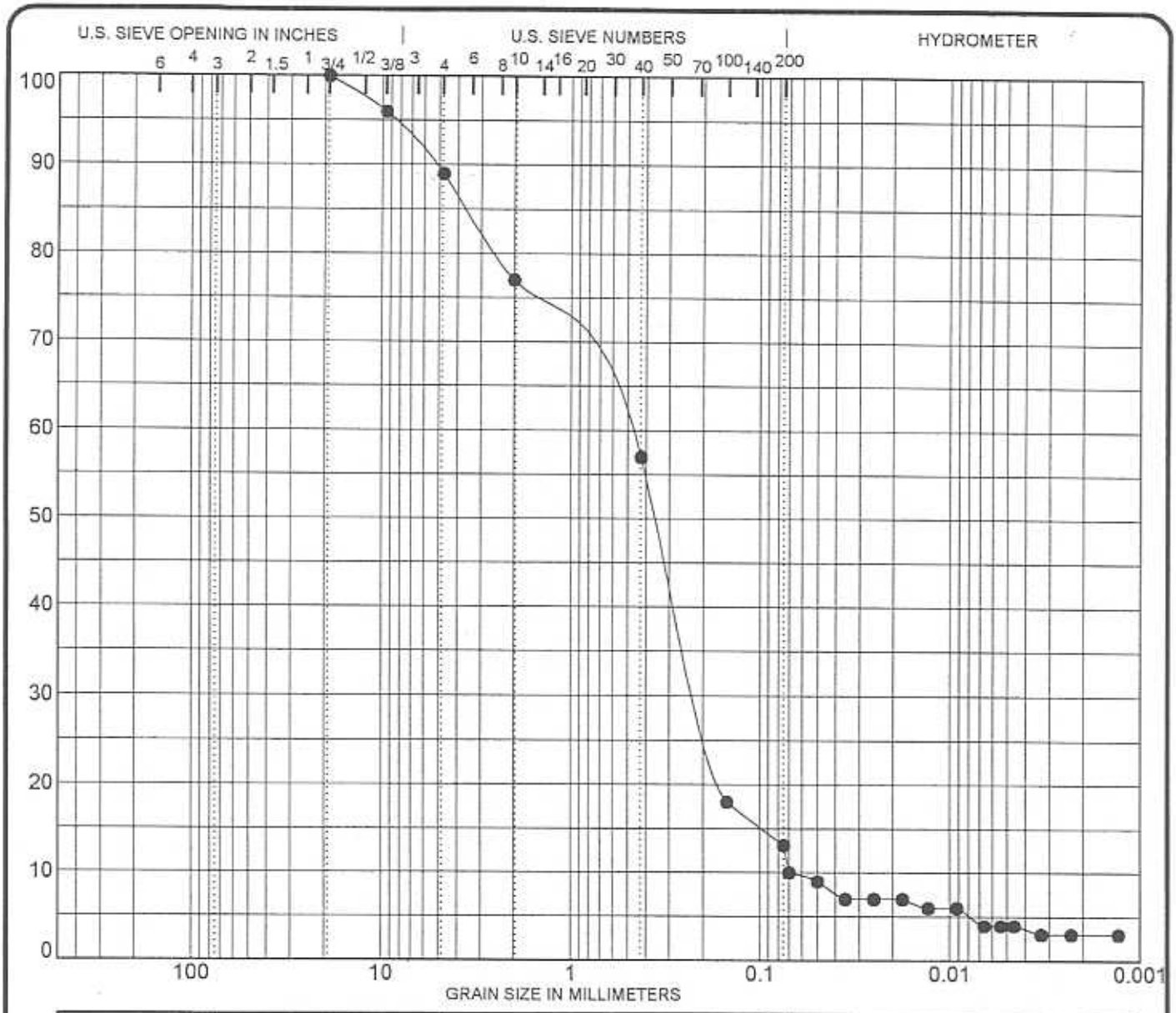
ATTERBERG LIMITS

Testing Service Corporation

Carol Stream, IL 60188

4

ATLIMITS 55620.GPJ TSC ALL.GDT 9/30/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	SOIL CLASSIFICATION
Boring: 4	3 inch	100	Gray SAND, little gravel, trace clay (SP)
Sample: 19	2	100	
Depth: 50.0'-52.0'	1 1/2	100	
	1	100	
NOTES:	3/4	100	
	3/8	96	
	# 4	89	
	# 10	77	
	# 40	57	
	# 100	18	
	# 200	13	

%GRAVEL	%SAND	%SILT	%CLAY
11	76	9	4

MC%
15.4

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

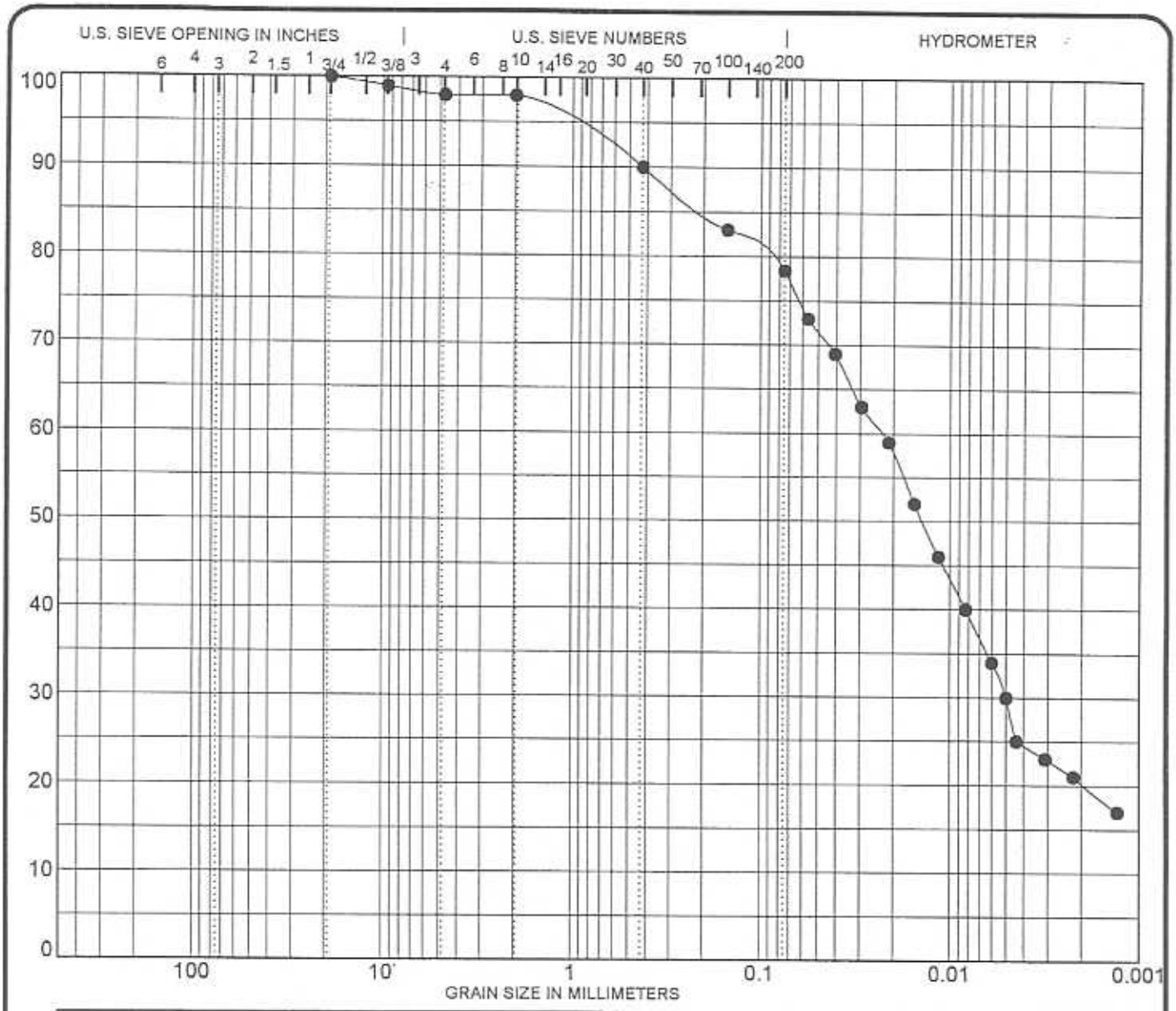
JOB NO. L - 55,620
DATE September 19, 2002

4

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALLGDT 9/24/02



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	
NOTES:	3/4	100	
	3/8	99	
	# 4	98	
	# 10	98	
	# 40	90	
	# 100	83	
	# 200	78	

%GRAVEL	%SAND	%SILT	%CLAY
2	20	48	30

γ dry (pcf)	MC%	LL	PL	PI
NP	12.9	19	13	6

Qu (tons/ft2)			
1.68			

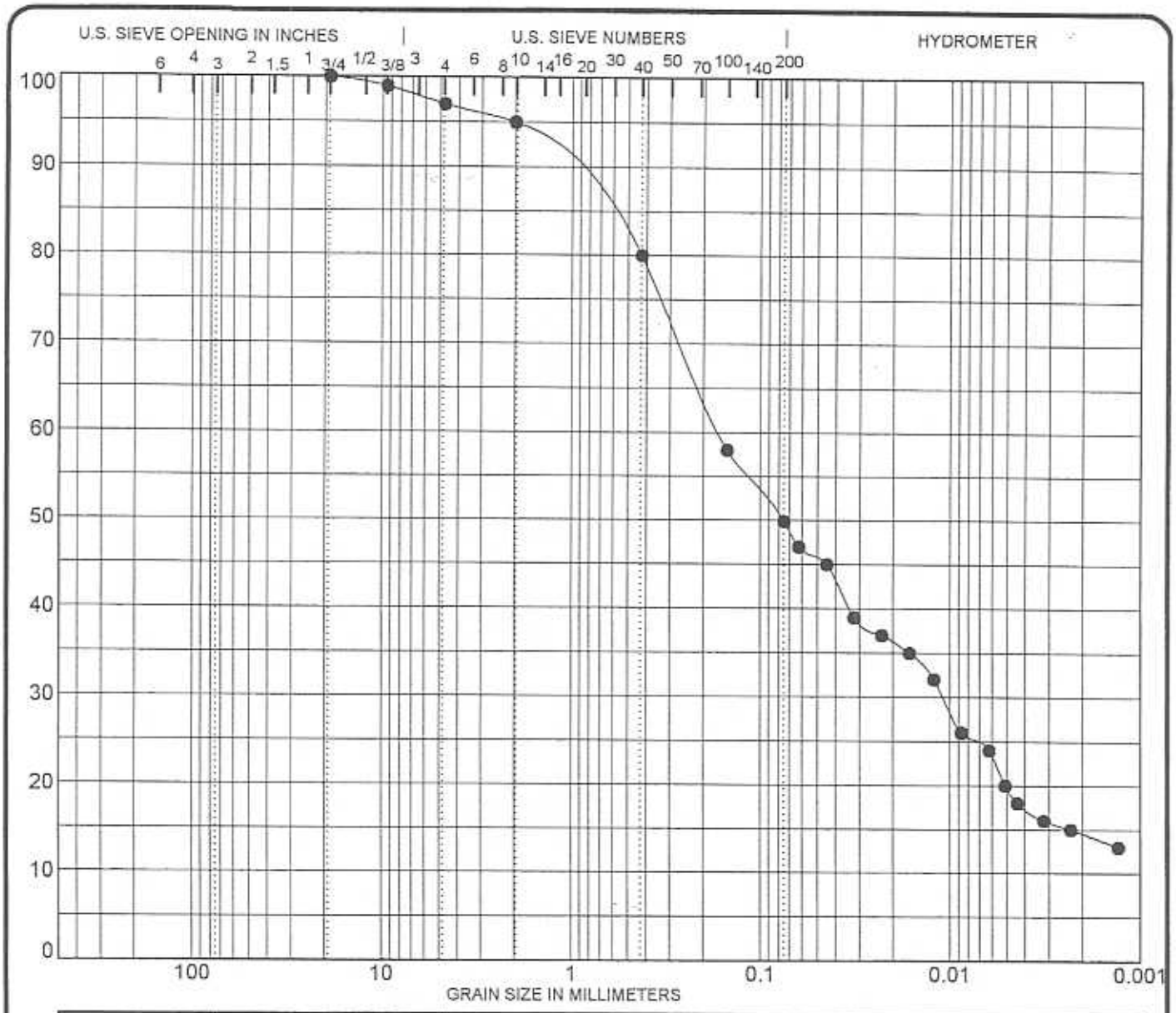
PROJECT Clinton Power Plant
LOCATION Clinton, Illinois
JOB NO. L - 55,620
DATE September 19, 2002

4

SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALL.GDT 9/30/02



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS
Boring: 4	3 inch	100
Sample: 32	2	100
Depth: 95.5'-98.5'	1 1/2	100
	1	100
NOTES:	3/4	100
	3/8	99
	# 4	97
	# 10	95
	# 40	80
	# 100	58
	# 200	50

SOIL CLASSIFICATION

Gray sandy CLAY, trace gravel (CL)

%GRAVEL	%SAND	%SILT	%CLAY
3	47	30	20

ϒ dry (pcf)	MC%	LL	PL	PI
140.4	7.4	17	8	9

PROJECT Clinton Power Plant
LOCATION Clinton, Illinois

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

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SOIL DATA SHEET

Testing Service Corporation
Carol Stream, IL 60188

SOILGENR 55620.GPJ TSC ALL.GDT 9/24/02