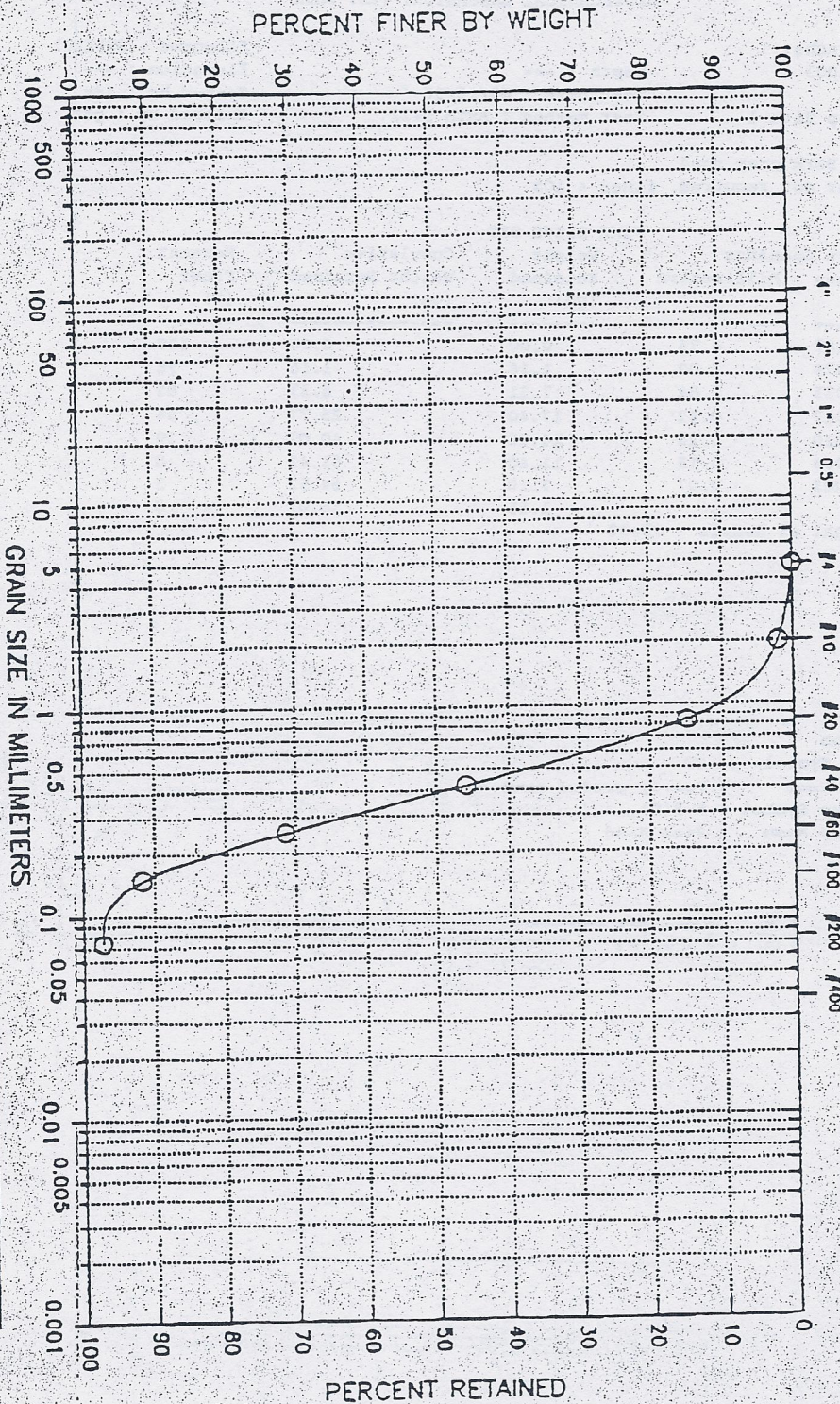


Boiling No.: ---
 Sample No.: OB Deep Site 1
 Test Method ASTM D422
 Filename : OBDEEP1

Project : Senghantochel
 Project No.: GTX-1003
 Location: ---
 Test Date 05/15/96

U.S. STANDARD SIEVE SIZE



COBBLES	GRAVEL		SAND			SLT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :
 (SP) Poorly graded sand
 Visual Description :
 Dark gray sand

Remarks :
 Hydrometer not required, fines < 10%

Fri May 17 16:49:19 1996

Page : 1

GEOTECHNICAL LABORATORY TEST DATA

Project : Sengehontachet

Project No. : GTX-1903

Boring No. : ---

Sample No. : OS Deep Site 1

Location : ---

Soil Description : Dark gray sand

Remarks : Hydrometer not required, fines < 10%

Depth : ---

Test Date : 05/15/96

Test Method : ASTM D422

Filename : OSDEEP1

Elevation : ---

Tested by : jdt

Checked by : gtc

Sieve Mesh	Sieve Openings		FINE SIEVE SET		Percent Finer (%)
	Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	1.16	1.16	98
#20	0.033	0.84	7.21	8.37	85
#40	0.017	0.42	17.40	25.77	54
#60	0.010	0.25	14.25	40.02	29
#100	0.006	0.15	11.40	51.42	8
#200	0.003	0.07	3.10	54.52	3
Pan			1.55	56.07	0

Total Dry Weight of Sample = 65.33

D85 : 0.8396 mm

D60 : 0.4799 mm

D50 : 0.3868 mm

D30 : 0.2571 mm

D15 : 0.1767 mm

D10 : 0.1556 mm

Soil Classification

ASTM Group Symbol : SP

ASTM Group Name : Poorly graded sand

AASHTO Group Symbol : A-3(0)

AASHTO Group Name : Fine Sand

GROUNDWATER ANALYTICAL

QUALITY ASSURANCE Project Narrative

Project: Sengehontachet Pond
Client: Town of Edgartown Shellfish Department

Lab ID: 12967
Received: 03-26-96

A. Physical Condition of Sample(s)

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged in appropriate containers with the correct preservation.

B. Project Documentation

This project was accompanied by Chain of Custody documentation, with the following amendments or corrections:

1. Project 12967 was processed for Rush Turnaround. The project was given a due date of 03-29-96, per Paul Bagnall, 03-26-96.
2. Samples 12967-01 through -04 were analyzed by EPA Method 8080 PCB, 413.2, Cd, Cr, Cu, Ni, Zn, As, Pb, Hg, TVS, Moisture, and Grain Size, per Paul Bagnall, 03-26-96.
3. Project 12967 was not received with a Chain of Custody. The samples were transcribed onto a Chain of Custody by sample management form information received with the samples.

C. Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples. All data contained within this report are released without qualification.

GeoTesting Express
 10 Craig Road - Acton, MA 01720
 (508) 635-0424 Fax: (508) 635-0266

LETTER OF TRANSMITTAL

TO MR. ERIC JENSEN
GROUNDWATER ANALYTICAL

DATE	3/28/96	EXP. NO.	1003
ATTENTION			
RE:	SENECAHANTACHET	POND	
	EDGARTOWN		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:
☒ Test results ☐ Proposal ☐ Report ☐ Samples ☐ Specifications ☐ Invoice
☐ Copy of letter ☐ Change order _____
☐ Other _____

COPIES	DATE	DESCRIPTION
1		4 GRAIN SIZE ANALYSES

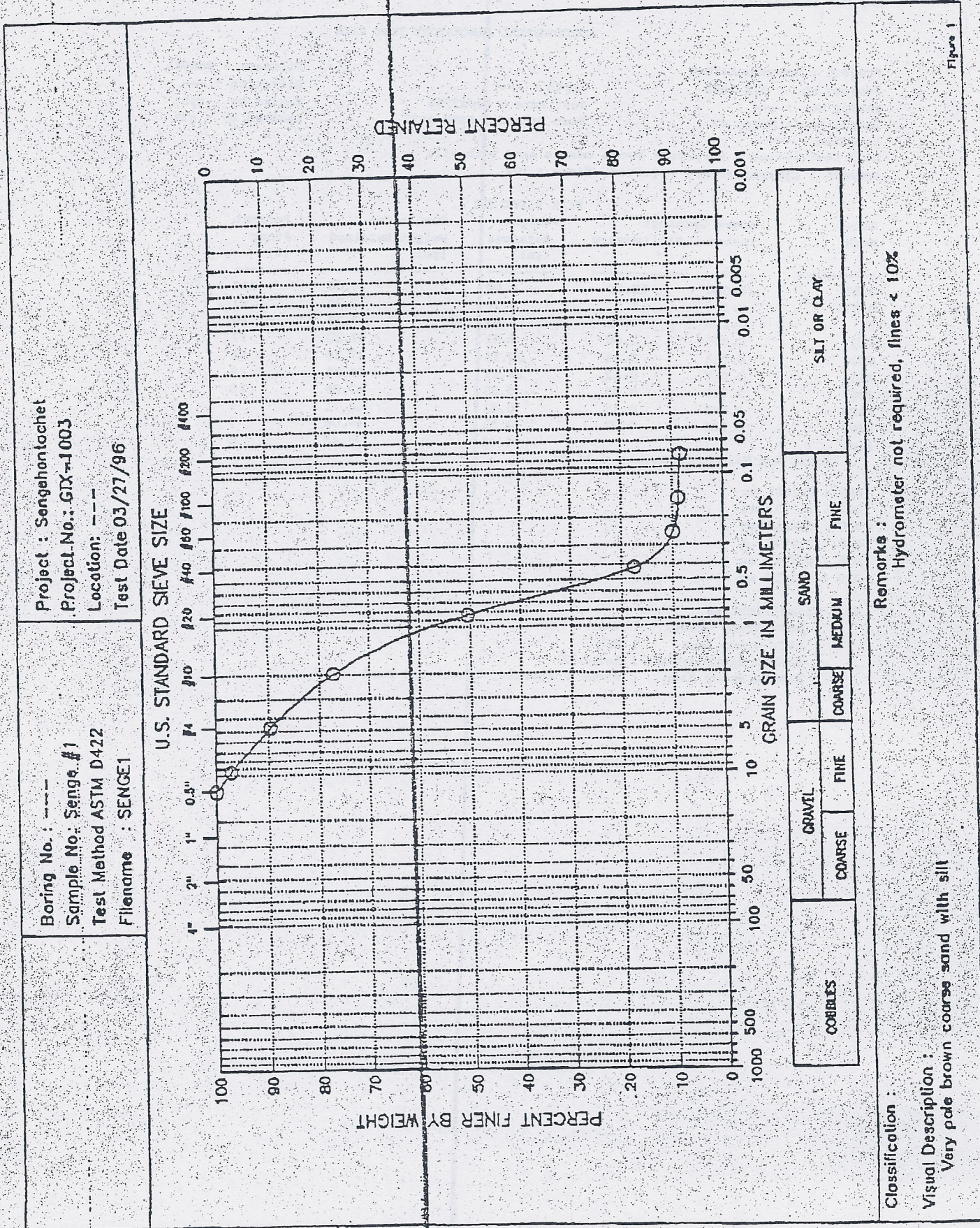
THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| ☐ For approval | ☐ Approved as submitted | ☐ Resubmit _____ copies for approval |
| ☒ For your use | ☐ Approved as noted | ☐ Submit _____ copies for distribution |
| ☒ As requested | ☐ Returned for corrections | ☐ Return |
| ☐ For review and comment | ☐ _____ | |
| ☐ FOR BIDS DUE _____ | 19 _____ | |

REMARKS _____

COPY TO _____

SIGNED Gary T. Town



Classification:
 Visual Description:
 Very pale brown coarse sand with silt

Remarks:
 Hydrometer not required, fines < 10%

Thu Mar 28 13:51:24 1996

GEOTECHNICAL LABORATORY TEST DATA

Project : Senghantichet

Project No. : GTX-1003

Boring No. : ---

Sample No. : Sengs #1

Location : ---

Soil Description : Very pale brown coarse sand with silt

Remarks : Hydrometer not required, fines < 10%

Depth : ---

Test Date : 03/27/96

Test Method : ASTM D422

Filename : SENG01

Elevation : ---

Tested by : gph

Checked by : gtt

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent finer (%)
	Inches	Millimeters			
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	2.20	2.20	97
#4	0.187	4.75	5.59	7.79	90
#10	0.079	2.00	9.41	17.20	77
#20	0.033	0.84	20.14	37.34	51
#40	0.017	0.42	24.29	62.23	18
#60	0.010	0.25	5.65	67.88	10
#100	0.006	0.15	0.83	68.71	9
#200	0.003	0.07	0.35	69.06	9
Pan			6.42	75.48	0

Total Dry Weight of Sample = 84.84

D85 : 3.4331 mm

D50 : 1.1437 mm

D50 : 0.8317 mm

D30 : 0.5438 mm

D15 : 0.3519 mm

D10 : 0.2420 mm

Soil Classification

ASTM Group Symbol : M/A

ASTM Group Name : M/A

AASHTO Group Symbol : A-1-b(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand

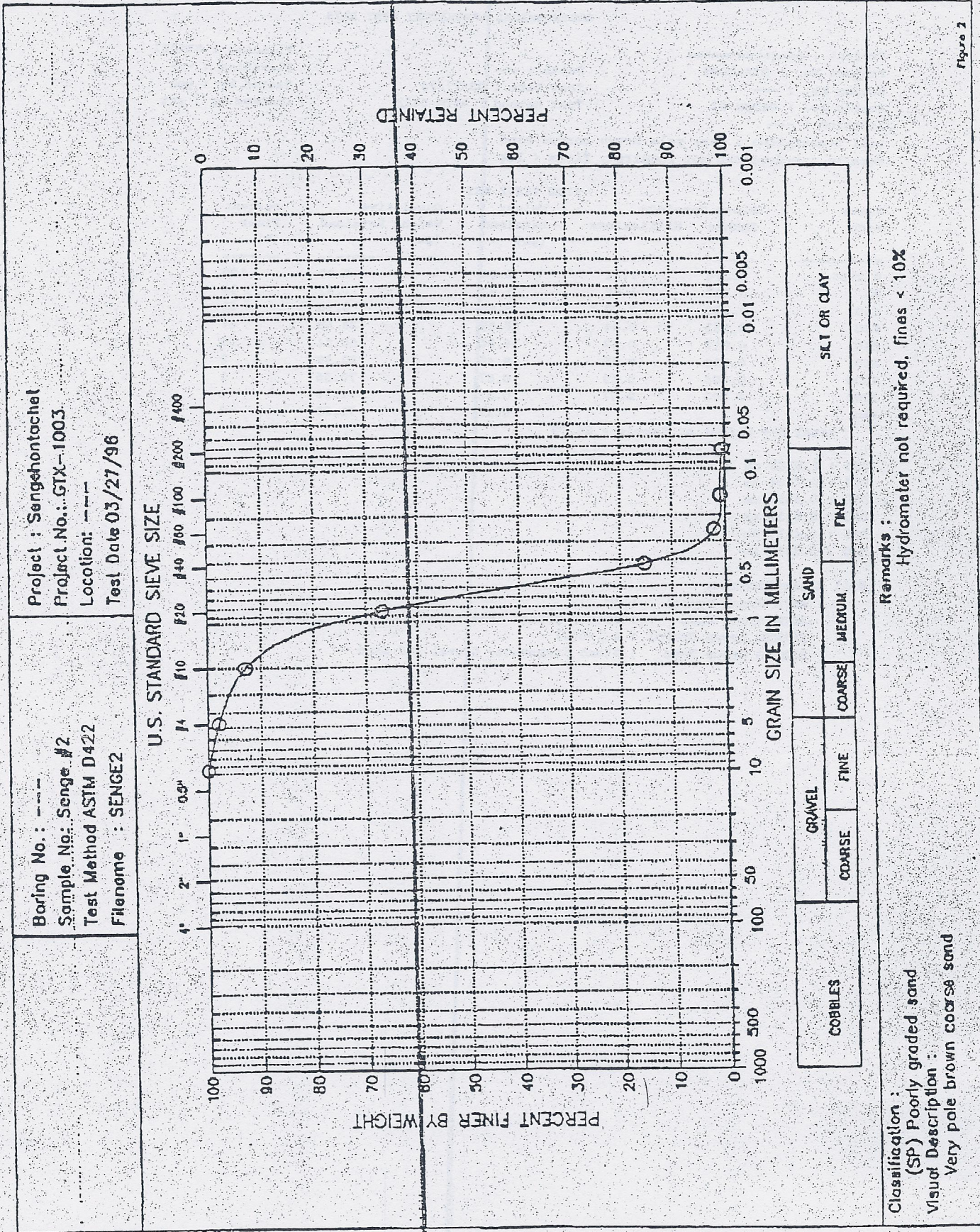


Figure 2

Thu Mar 28 15:51:24 1996

GEOTECHNICAL LABORATORY TEST DATA

Project : Sengahontachet

Project No. : GTX-1003

Boring No. : ---

Sample No. : Seng #2

Location : ---

Soil Description : Very pale brown coarse sand

Remarks : Hydrometer not required, fines < 10%

Depth : ---

Test Date : 03/27/96

Test Method : ASTM D422

Filename : SENG2

Elevation : ---

Tested by : gph

Checked by : gtc

FINE SIEVE SET					
Sieve	Sieve Openings		Weight	Cumulative	Percent
Mesh	Inches	Millimeters	Retained (gm)	Weight Retained (gm)	Finer (%)
0.375	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	1.52	1.52	98
#10	0.079	2.00	3.58	5.10	93
#20	0.033	0.84	18.59	23.69	67
#40	0.017	0.42	36.85	60.54	15
#60	0.010	0.25	9.45	69.99	2
#100	0.006	0.15	0.87	70.86	1
#200	0.003	0.07	0.32	71.18	1
Pan			0.37	71.55	0

Total Dry Weight of Sample = 84.99

D85 : 1.5383 mm

D60 : 0.7664 mm

D50 : 0.6697 mm

D30 : 0.5115 mm

D15 : 0.4137 mm

D10 : 0.3399 mm

Soil Classification

ASTM Group Symbol : SP

ASTM Group Name : Poorly graded sand

AASHTO Group Symbol : A-1-b(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand

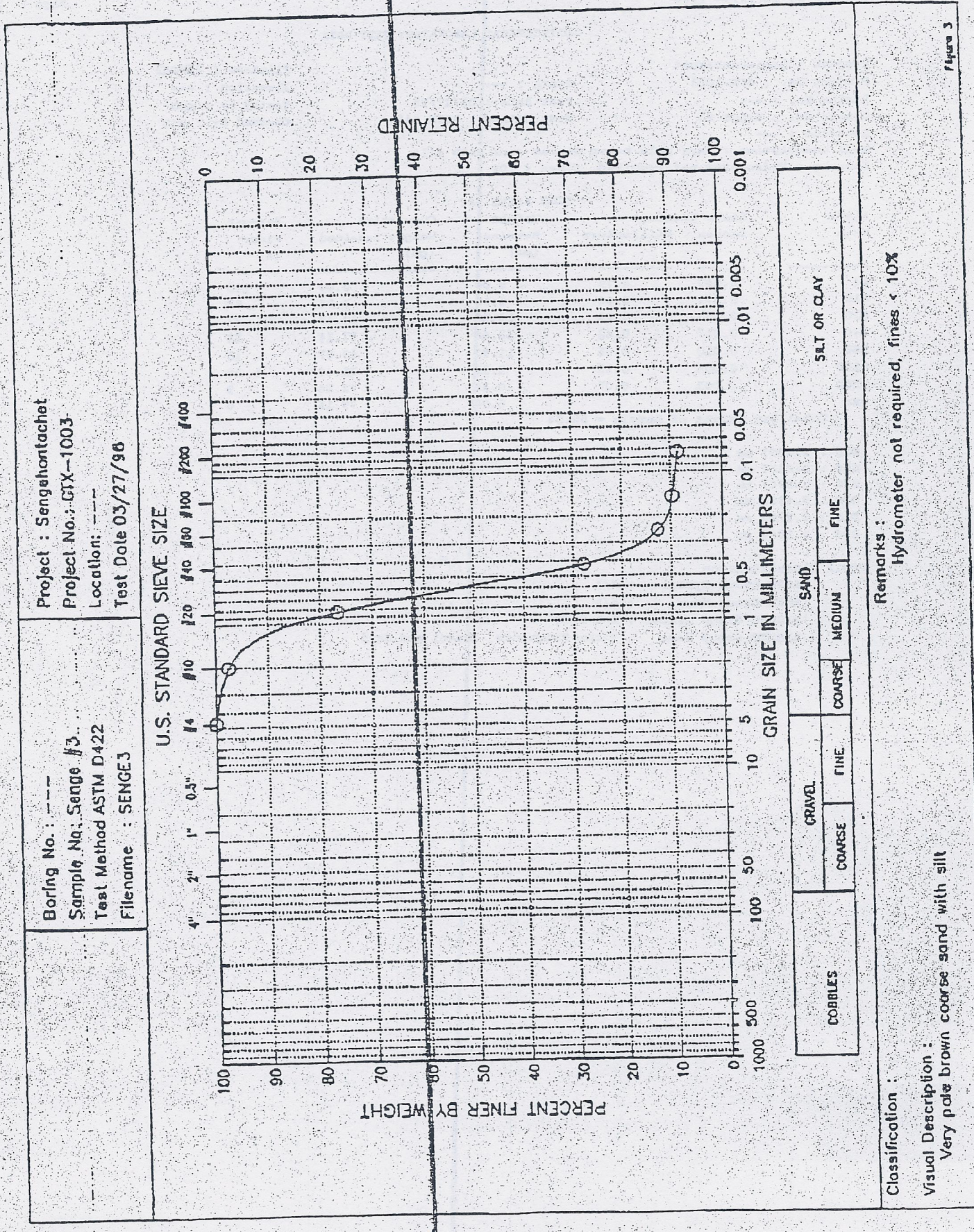


Figure 3

Thu Mar 28 15:51:24 1996

Page : 1

GEOTECHNICAL LABORATORY TEST DATA

Project : Sangehontachet

Project No. : GTX-1003

Spring No. : ---

Sample No. : Sange #3

Location : ---

Soil Description : Vary pale brown coarse sand with silt

Remarks : Hydrometer not required, fines < 10%

Depth : ---

Test Date : 03/27/96

Test Method : ASTM D422

Filename : SENCE3

Elevation : ---

Tested by : gph

Checked by : gtt

Sieve Mesh	Sieve Openings		Weight Retained	Cumulative Weight Retained	Percent Finer
	Inches	Millimeters	(gm)	(gm)	(%)
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	1.98	1.93	92
#20	0.033	0.84	16.53	13.42	77
#40	0.017	0.42	38.68	57.14	28
#60	0.010	0.25	11.93	69.07	13
#100	0.006	0.15	2.33	71.40	10
#200	0.003	0.07	0.84	72.26	9
Pan			6.90	79.16	0

Total Dry Weight of Sample = 88.34

D85 : 1.1839 mm

D60 : 0.6637 mm

D50 : 0.5757 mm

D30 : 0.4332 mm

D15 : 0.2702 mm

D10 : 0.1549 mm

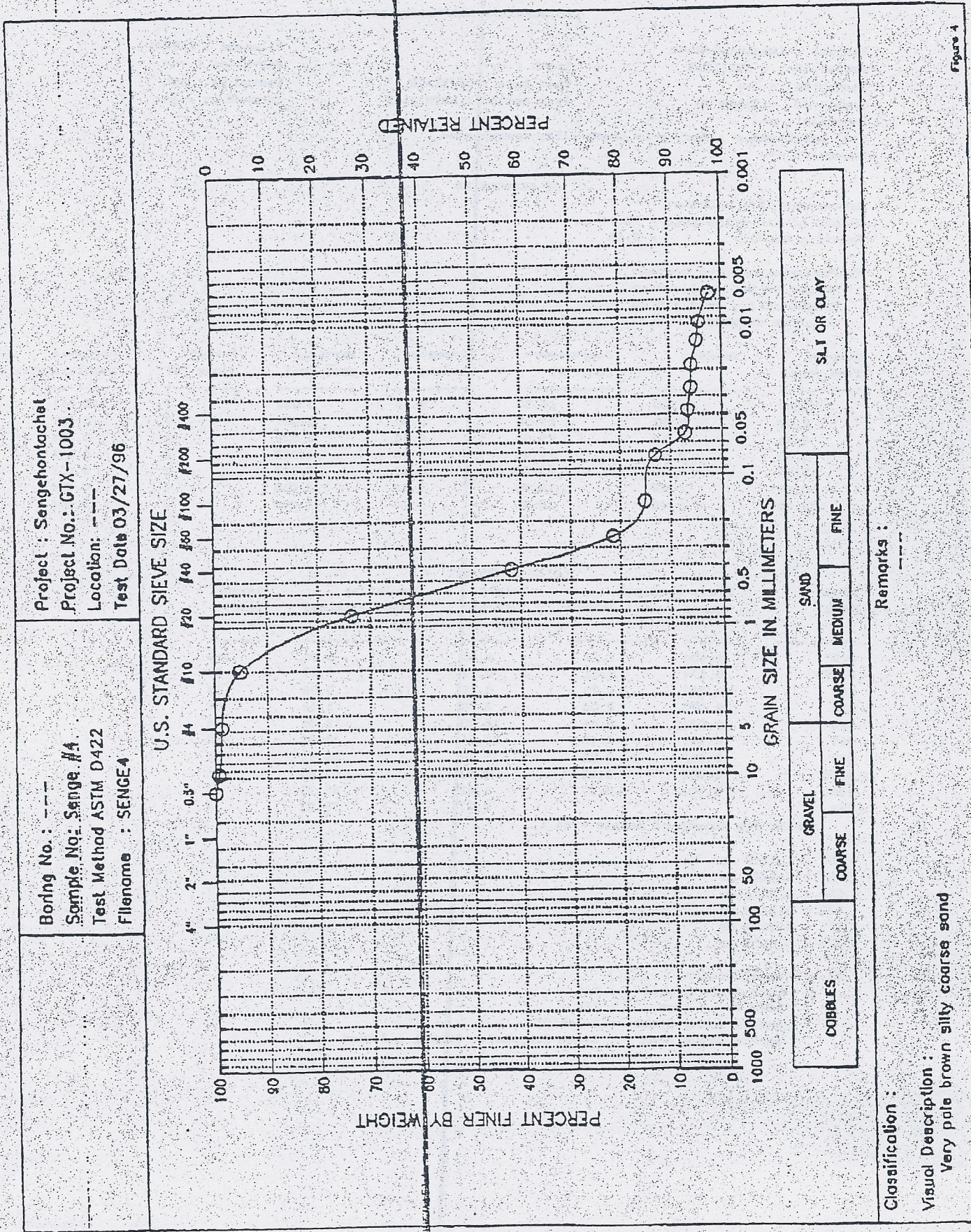
Soil Classification

ASTM Group Symbol : N/A

ASTM Group Name : N/A

AASHTO Group Symbol : A-1-b(0)

AASHTO Group Name : Stone Fragments, Gravel, and Sand



Classification :

Visual Description :

Very pale brown silty coarse sand

Remarks :

Thu Mar 28 15:51:24 1996

Page : 1

GEOTECHNICAL LABORATORY TEST DATA

Project : Sangehontachet

Project No. : VII-1003

Boring No. : ---

Sample No. : Sange #4

Location : ---

Soil Description : Very pale brown silty coarse sand

Remarks : ---

Depth : ---

Test Date : 03/27/98

Test Method : ASTM D422

Filename : SENG2A

Elevation : ---

Tested by : gph

Checked by : gtt

HYDROMETER

Hydrometer ID : h125dist

Weight of air-dried soil = 70.94 gm

Specific Gravity = 2.65

Hydrosopic Moisture Content :

Weight of Wet Soil = 0 gm

Weight of Dry Soil = 0 gm

Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	10.00	19.50	5.40	0.053	7	0.053
2.00	9.60	19.50	5.00	0.037	7	0.037
4.00	9.10	19.50	4.60	0.026	6	0.026
8.00	9.00	19.50	4.40	0.019	6	0.019
17.00	8.20	19.50	3.60	0.013	5	0.013
30.00	7.90	19.30	3.27	0.010	4	0.010
73.00	6.40	19.50	1.80	0.006	2	0.006

FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	0.49	0.49	99
#4	0.187	4.75	0.49	0.98	99
#10	0.079	2.00	2.70	3.68	95
#20	0.033	0.84	16.20	19.88	74
#40	0.017	0.42	23.64	43.52	42
#60	0.010	0.25	15.39	58.91	21
#100	0.006	0.15	4.72	63.63	15
#200	0.003	0.07	1.62	65.25	13
Pan			9.77	75.02	0

Total Dry Weight of Sample = 84.1

D85 : 1.3340 mm

D60 : 0.6246 mm

D50 : 0.5011 mm

D30 : 0.3102 mm

D15 : 0.1404 mm

D10 : 0.0619 mm

Soil Classification

ASTM Group Symbol : N/A

ASTM Group Name : N/A

USASTM Group Symbol : A-1-b(0)

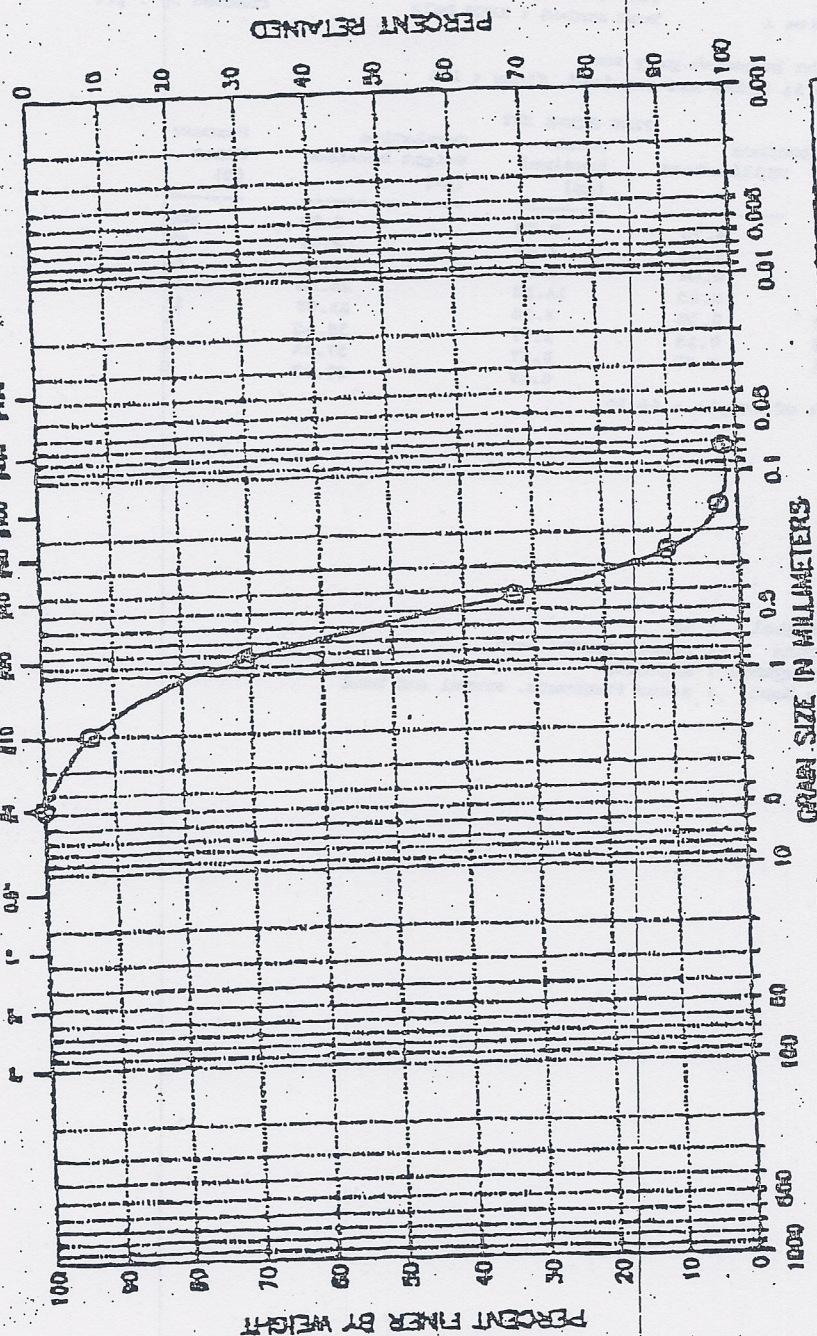
USASTM Group Name : Stone Fragments, Gravel and Sand

MAY 17 '98 16:51 GEOTESTING EXPRESS

Project : Sanganahachol
 Project No.: GTX-1003
 Location :
 Test Date 05/15/98

Boring No.:
 Sample No.: 02 Shal. Site 1
 Test Method ASTM D422
 Filename : 005HAL1

U.S. STANDARD SIEVE SIZE



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

Remarks :
 Shallow Site 1: Hydro not required, fines < 10%

Classification :
 (SP) Poorly graded sand
 Visual Description :
 Light brownish gray sand

MAY 17 '95 16:52 GINTESTING EXPRESS

Page: 1

Fri May 17 16:49:28 1996

GROUNDWATER ANALYTICAL TEST REPORT

Project: Bingham Creek

Project No.: GWS-1001

Sampling No.: --

Analysis No.: 08 Shal. Mbr 1

Location: --

Soil Description: Light brownish gray sand

Shallow Area 1: Depth not required. Class < 10%

Depth: --

Test Date: 05/15/96

Test Method: ASTM D422

Filename: GWS1001

Worksheet: --

Entered by: Jda

Checked by: Jda

Sieve Size	Mass Quantities		FINE SIEVE RET		Cumulative Weight Retained (g)	Percent Finer (%)
	Weight	Millimeters	Weight	Retained (g)		
75	0.157	4.75	0.00	0.00	0.00	100
100	0.079	2.00	2.49	2.49	2.49	97.51
200	0.033	0.84	0.02	0.02	2.51	97.49
400	0.017	0.41	16.33	16.33	18.84	91.16
600	0.010	0.25	0.06	0.06	18.90	90.10
800	0.006	0.18	2.97	2.97	21.87	78.13
1000	0.004	0.15	0.07	0.07	21.94	78.06
2000	0.001	0.07	0.00	0.00	21.94	78.06

Total Weight of Sample = 46.34

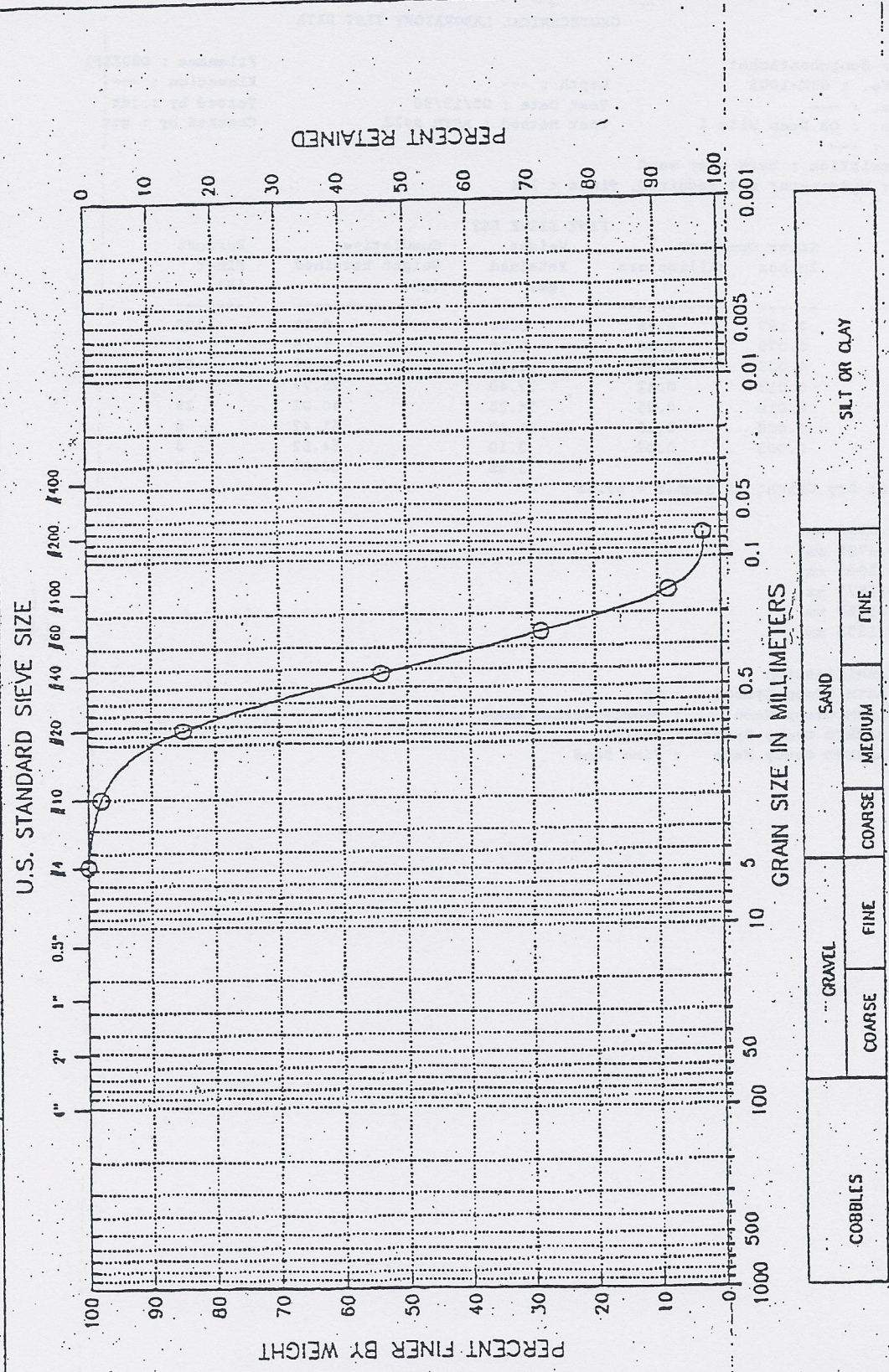
Wt. : 1.4000 g
Wt. : 0.6500 g
Wt. : 0.5740 g
Wt. : 0.0700 g
Wt. : 0.0700 g
Wt. : 0.0700 g

Soil Classification

USDA Soil Symbol : M
USDA Soil Name : Mucky sand
USDA Soil Symbol : A-1-b(5)
USDA Soil Name : Mucky sand, gravel and sand

Boring No.: ---
 Sample No.: OB Deep Site 1
 Test Method ASTM D422
 Filename : OBDEEP1

Project : Sengchontachet
 Project No.: GTX-1003
 Location: ---
 Test Date 05/15/96



Classification :
 (SP) Poorly graded sand
 Visual Description :
 Dark gray sand

Remarks :
 Hydrometer not required, fines < 10%

Figure 1

Fri May 17 16:49:19 1996

GEOTECHNICAL LABORATORY TEST DATA

Project : Sengehontachat

Project No. : GTX-1003

Boring No. : ---

Sample No. : OB Deep Site 1

Location : ---

Soil Description : Dark gray sand

Remarks : Hydrometer not required, fines < 10%

Filename : OBDEEP1

Elevation : ---

Tested by : jdt

Checked by : gtc

Depth : ---
Test Date : 05/15/96
Test Method : ASTM D422

Sieve Mesh	Sieve Openings		FINE SIEVE SET		Percent Finer (%)
	Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	1.16	1.16	98
#20	0.033	0.84	7.21	8.37	85
#40	0.017	0.42	17.40	25.77	54
#60	0.010	0.25	14.25	40.02	29
#100	0.006	0.15	11.40	51.42	8
#200	0.003	0.07	3.10	54.52	3
Pan			1.55	56.07	0

Total Dry Weight of Sample = 65.38

D85 : 0.8396 mm

D60 : 0.4799 mm

D50 : 0.3868 mm

D20 : 0.2571 mm

D15 : 0.1767 mm

D10 : 0.1556 mm

Soil Classification

ASTM Group Symbol : SP

ASTM Group Name : Poorly graded sand

AASHTO Group Symbol : A-3(0)

AASHTO Group Name : Fine Sand

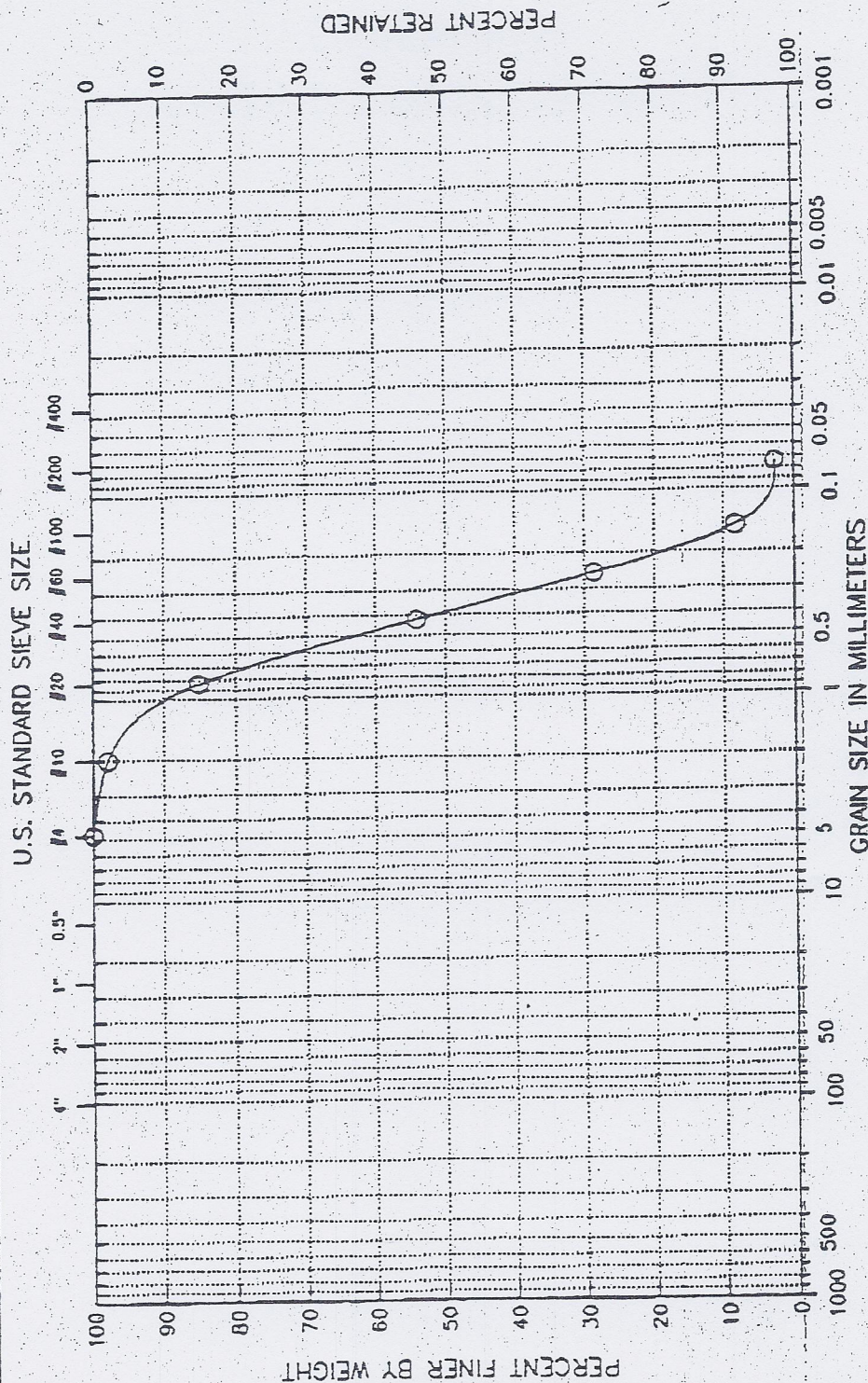
MAY 28 '96 14:46 GEOTESTING EXPRESS

Gradation Summary

GTX-1003/Sengehontacket

Sample ID	Coarse Gravel (> 64 mm), %	Fine Gravel (2-64 mm), %	Sand (0.063-2 mm), %	Silt (0.004-0.063 mm), %	Clay (<0.004 mm), %
OS Deep Site 1	0	2	95	3	0
OS Deep Site 2	0	0	93	7	0
OS Shallow Site 1	0	7	91	2	0
OS Site 2	0	15	79	6	0
OS Outside Inlet	0	32	67	1	0

Boring No.: ---	Project : Sengehontchel
Sample No.: OB Deep Site 1	Project No.: GTX-1003
Test Method ASTM D422	Location: ---
Filename : OBDEEP1	Test Date 05/15/96



COBBLES		GRAVEL		SAND		SILT OR CLAY
		COARSE	FINE	COARSE	MEDIUM	FINE

Classification : (SP) Poorly graded sand
 Visual Description : Dark gray sand
 Remarks : Hydrometer not required, fines < 10%

Figure 1

Fri May 17 16:49:19 1996

Page : 1

GEOTECHNICAL LABORATORY TEST DATA

Project : Sengehontachet
Project No. : GTX-1003
Boring No. : ---
Sample No. : OB Deep Site 1
Location : ---

Depth : ---
Test Date : 05/15/96
Test Method : ASTM D422

Filename : OBDEEP1
Elevation : ---
Tested by : jdt
Checked by : gtc

Soil Description : Dark gray sand

Remarks : Hydrometer not required, fines < 10%

Sieve Mesh	Sieve Openings		FINE SIEVE SET		Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters	Weight Retained (gm)			
--- --	---	---	---		---	---
#4	0.187	4.75	0.00		0.00	100
#10	0.079	2.00	1.16		1.16	98
#20	0.033	0.84	7.21		8.37	85
#40	0.017	0.42	17.40		25.77	54
#60	0.010	0.25	14.25		40.02	29
#100	0.006	0.15	11.40		51.42	8
#200	0.003	0.07	3.10		54.52	3
Pan			1.55		56.07	0

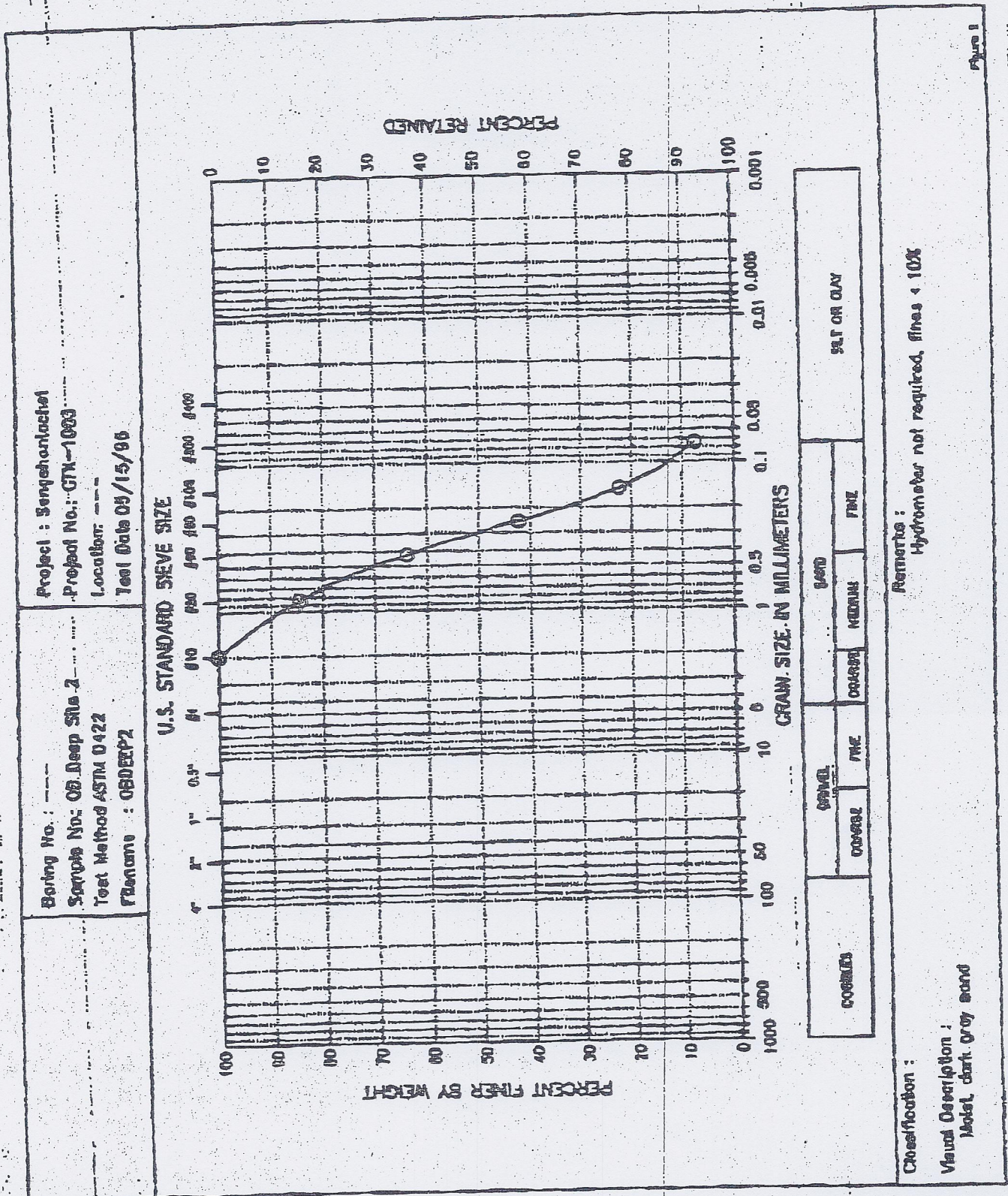
Total Dry Weight of Sample = 65.38

D85 : 0.8396 mm
D60 : 0.4799 mm
D50 : 0.3868 mm
D30 : 0.2571 mm
D15 : 0.1767 mm
D10 : 0.1556 mm

Soil Classification

ASTM Group Symbol : SP
ASTM Group Name : Poorly graded sand
AASHTO Group Symbol : A-3(0)
AASHTO Group Name : Fine Sand

MAY 17 '96 16:58 GEOTESTING EXPRESS



5-20-98 18:45

; GROUNDWATER ANALYTICAL

P. 05

MAY 17 '96 16:51 GEOTESTING EXPRESS

Page : 1

Fri May 17 16:49:20 1996

GEOTECHNICAL LABORATORY TEST DATA

Project : Bangabandhu

Project No. : 672-1003

Boring No. : ---

Sample No. : GS Deep site 1

Location : ---

Soil Description : Medst. dark gray sand

Remarks : Hydrometer not required. fines = 10%

Depth : ---

Test Date : 05/15/96

Test Method : ASTM D422

Filename : C00012

Elevation : ---

Tested By : J&J

Checked by : J&J

Sieve Size	Sieve Opening		Weight Retained (g)	Cumulative Weight Retained (g)	Percent Finer (%)
	Number	Millimeters			
20	0.075	2.00	0.00	0.00	100
40	0.033	0.84	7.00	7.00	93
60	0.025	0.42	9.30	16.30	87
80	0.019	0.25	9.80	26.10	73
100	0.015	0.15	8.92	35.02	65
200	0.0075	0.075	5.51	40.53	59
400	0.00375	0.0375	3.99	44.52	55

Total Dry Weight of Sample = 84.51

D65 : 0.0000 mm

D60 : 0.0000 mm

D50 : 0.0000 mm

D30 : 0.0000 mm

D15 : 0.0000 mm

D10 : 0.0000 mm

Soil Classification

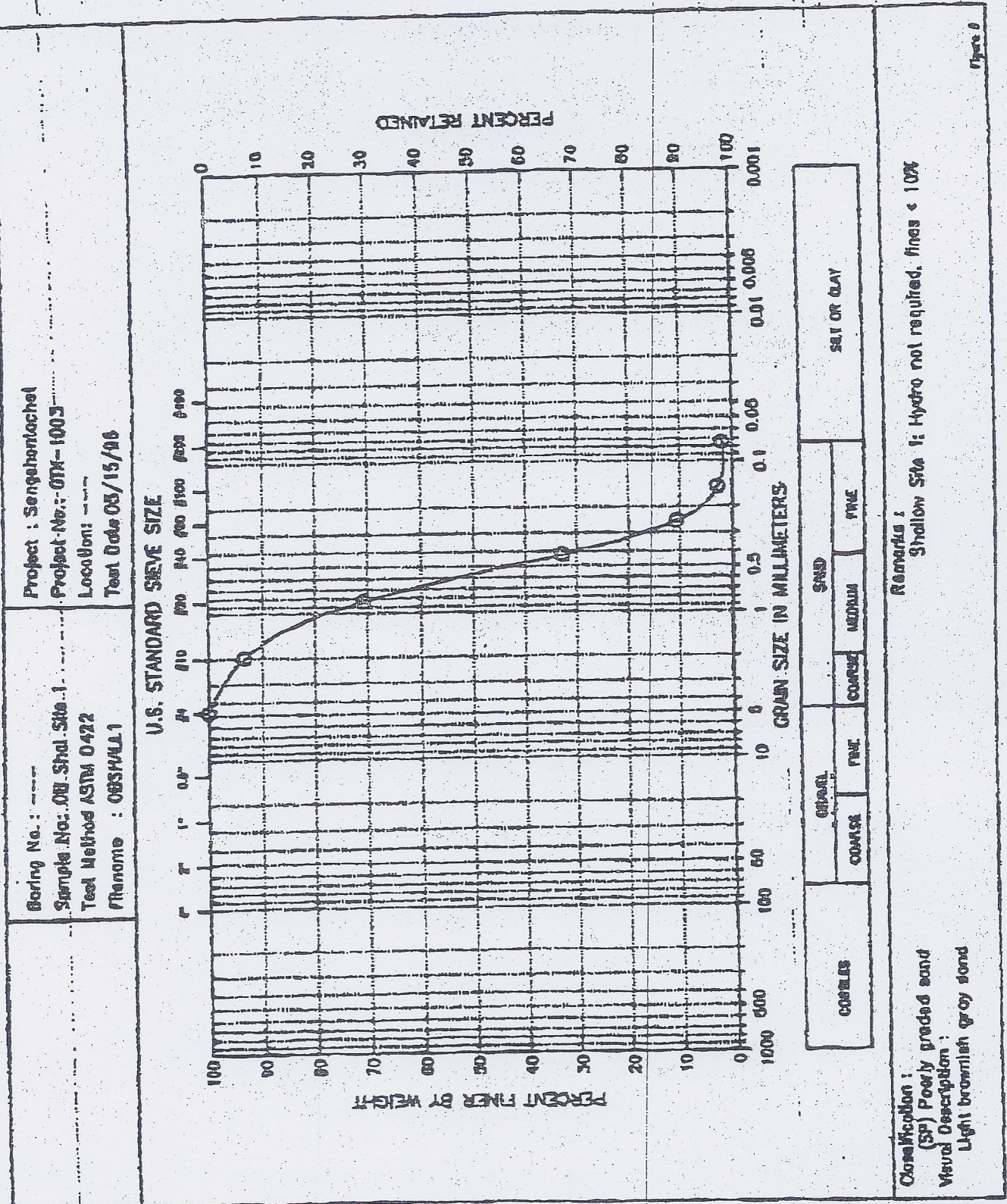
ASTM Group Symbol : N/A

ASTM Group Name : N/A

USCS Group Symbol : S-3(0)

USCS Group Name : Fine Sand

MAY 17 '96 16:51 GEOTESTING EXPRESS



MAY 17 '96 16:52 GEOTESTING EXPRESS

Page: 1

FRI MAY 17 16:53:30 1996

GEOTECHNICAL LABORATORY TEST DATA

Project : Bridge/Highway

Project No. : GTE-1801

Testing No. : ---

Sample No. : C9 Shal Site 1

Inspection : ---

Soil Description : Light brownish gray sand

Remarks : Shallow Area 1: Hydro not required. fines < 10%

Depth : ---

Test Date : 05/15/96

Test Method : ASTM D422

Filename : 050511

Revision : ---

Tested by : jda

Checked by : grr

Sieve Size	Sieve Opening		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Fines (%)
	Inches	Millimeters			
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	2.49	2.49	98
#20	0.083	0.84	2.82	11.01	71
#40	0.017	0.42	16.32	25.23	38
#60	0.010	0.25	8.35	33.58	17
#100	0.006	0.15	2.97	36.55	5
#200	0.003	0.07	0.87	37.42	0
Fun			0.66		

Total Dry Weight of Sample = 46.14

#20 : 1.4632 mm

#40 : 0.6001 mm

#60 : 0.6743 mm

#100 : 0.6729 mm

#200 : 0.2758 mm

#400 : 0.2500 mm

Soil Classification

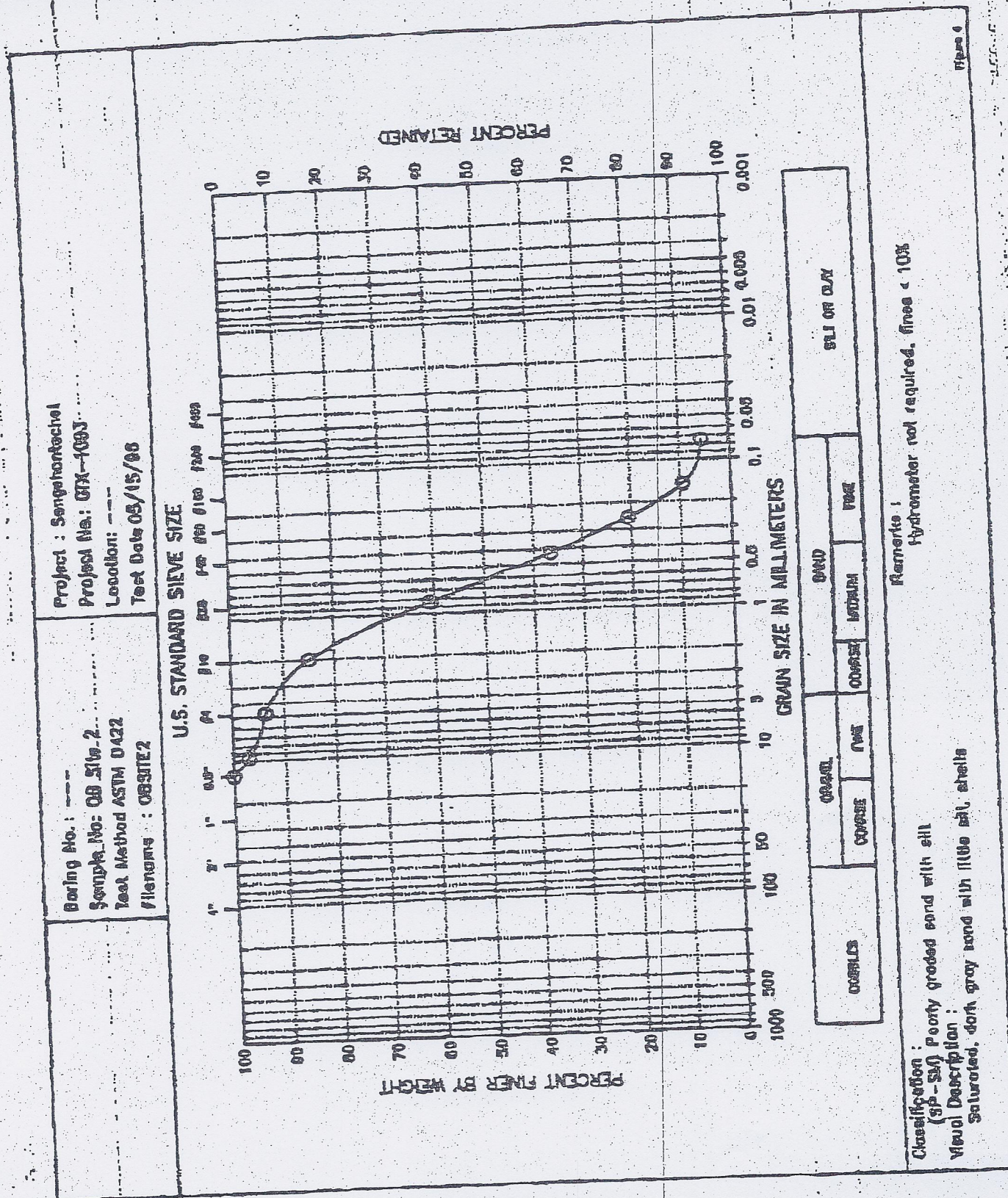
ASTM Group Symbol : SP

ASTM Group Name : Poorly graded sand

ASTM Group Symbol : 2-1-b(2)

ASTM Group Name : Some Fragments, gravel and sand

MAY 17 '96 16:52 GEOTESTING EXPRESS



MAY 17 '96 16:53 GEOTESTING EXPRESS

Page : 1

Fri May 17 16:49:20 1996

GEOTECHNICAL LABORATORY TEST DATA

Project : Sanquhar Road

Project No. : 612-1003

Boring No. : ---

Sample No. : GS Site 3

Location : ---

Soil Description : Saturated, dark gray sand with little silt. shells

Remarks : Hydrometer not required, Time : 10x

Depth : ---

Test Date : 05/18/96

Test Method : ASTM D422

Filler : 0.075mm

Elevation : ---

Tested By : JAC

Checked By : JAC

Sieve Mesh	Sieve Opening		Weight Retained (g)	Cumulative Weight Retained (g)	Percent Finer (%)
	Inches	Millimeters			
---	---	---	0.00	0.00	100
0.5"	0.500	12.70	2.68	2.68	97
0.375"	0.375	9.51	2.93	5.61	94
#4	0.250	6.35	7.50	13.07	85
#10	0.075	1.90	21.17	34.24	61
#20	0.0075	0.04	20.97	55.21	34
#40	0.0037	0.02	13.81	69.02	21
#60	0.0019	0.01	9.76	78.78	9
#100	0.0009	0.005	3.36	82.14	4
#200	0.0005	0.002	4.00	86.14	0
Pan	---	---	---	---	---

Total Dry Weight of Sample = 96.3

D65 : 2.0070 mm

D60 : 0.3263 mm

D85 : 0.2106 mm

D90 : 0.1800 mm

D45 : 0.1321 mm

D10 : 0.1224 mm

Soil Classification

ASTM Group Symbol : SP-SM

ASTM Group Name : Poorly graded sand with silt

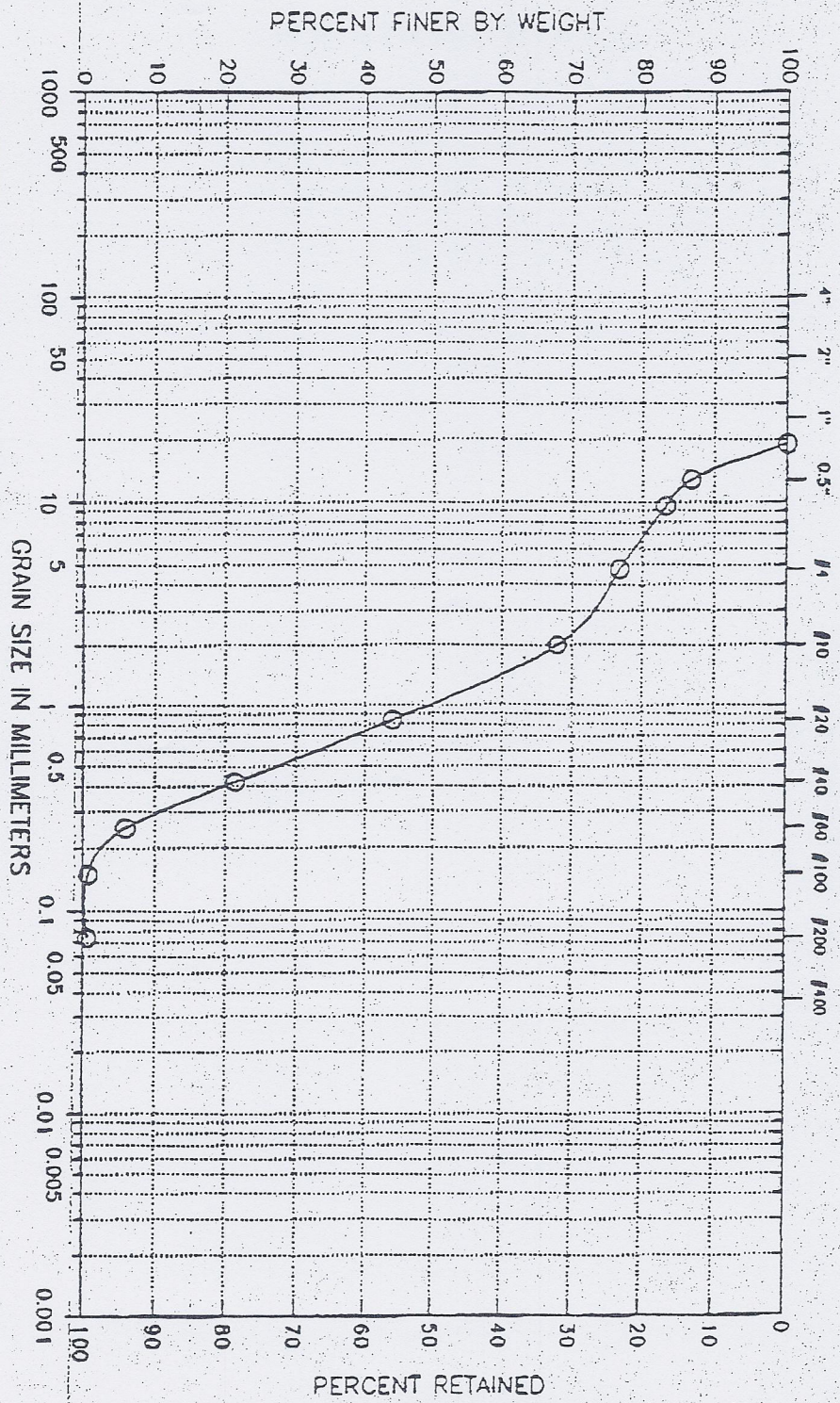
ASTM Group Symbol : A-1-b(0)

ASTM Group Name : Stone Fragments, Gravel and Sand

Boring No.: ---
 Sample No.: OB Outside Int
 Test Method ASTM D422
 Filename: OBOUFINL

Project: Sengethunlecheh
 Project No.: GTX-1003
 Location: ---
 Test Date 05/15/96

U.S. STANDARD SIEVE SIZE



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification:
 (SP) Poorly graded sand with gravel
 Visual Description:
 Pale yellow sand with shells

Remarks:
 Outside Intlet Hydrometer not required, fines < 10%