APPENDICES

I. MEMBER LIST AND SCHEDULE OF THE BASIC DESIGN STUDY TEAM

MEMBER LIST OF THE BASIC DESIGN STUDY TEAM

Team Leader	Yasuo SAITO	Deputy Director Second Economic Cooperation Div. Economic Cooperation Bureau, MFA
Project Coordinator	Masanori YAMAUCHI	Project Management Div. Grant Aid Dept., JICA
Acting Leader Planner	Junichi ITANO	Nikken Sekkei Ltd.
Architect	Yoshihisa TANAKA	Nikken Sekkei Ltd.
Elec. & Mech. Engineer	Hiroshi YOSHIDA	Nikken Sekkei Ltd.
Training Equipment	Uichi IRIHARA	Nikken Sekkei Ltd.
Medical Equipment	Kiyoshi OTANI	Nikken Sekkei Ltd.

SCHEDULE OF THE BASIC DESIGN STUDY TEAM

Date	Day	Description
Jan. 16	Sun	- Tokyo to Manila JL 741
17	Mon	- Meeting with Japanese Embassy (Mr. Suzuki, Mr. Takahara) & JICA (Mr. Arai) - Inception report presentation (National Housing Authority; NHA)
18	Tue	- Inception report presentation (Ministry of Foreign Affairs, MFA) - Inception report presentation (UNHCR) - Meeting with boring subcontractor and receiving their estimation - Leave Manila for PRPC , Morong, to attend site survey (Primary) and meeting with PRPC authorities (Team members + Mr. Suzuki, Japanese Embassy)

Date	Day	Descrpition
Jan. 19	Wed	- Inception report presentation, discussion (PRPC) - Preparation for Minutes of Discussions (M/D) - Survey on site & existing facilities - (Mr. Takahara arrives in PRPC)
20	Thu	- Explanation of M/D (Draft) - Discussion on details of equipment lists - Attend a survey by UNHCR engineers on the current conditions of infrastructure - Instruction and discussion with boring sub-contractor - (Mr. Saito of MFA, Mr. Takahara and Mr. Suzuki depart from PRPC)
21	Fri	- Discussion on details of equipment lists - Attend a survey by UNHCR engineers on the current conditions of infrastructure - Survey on site and existing facilities
22	Sat	- Report & explanation on the results of survey and discussions (PRPC) - Mr. Yamauchi & 5 other members depart from PRPC.
23	Sun	- Preparation for M/D - Compiling the results of survey and discussions - Internal meeting - Meeting with Japanese Embassy (Mr. Suzuki) and JICA (Mr. Arai)
24	Mon	- Discussion and exchange of M/D (NHA) - Report and explanation of M/D and results of survey and discussions (U.S. Embassy) - Report and explanation of M/D and results of survey and discussions (MFA) - Preparation for site survey & meeting with PRPC (Secondary)

Date	Day		Description
Jan. 25	Tue	-	Preparation for site survey & meeting with PRPC (Secondary)
		-	Internal meeting
		-	(Mr. Saito of MFA departs from Manila by TG 621)
26	Wed	-	Preparation for site survey & meeting with PRPC (Secondary)
		-	Internal meeting
27	Thu	-	Preparation for site survey & meeting with PRPC (Secondary)
		-	Internal meeting
		-	Mr. Itano and 4 other members leave Manila for PRPC to attend site survey and meeting with PRPC (Secondary)
		-	(Mr. Yamauchi of JICA leaves Manila by NW 002)
		-	Received Boring Data
28	Fri	-	Discussion on details of equipment lists (PRPC)
		-	Survey on site & existing facilities
		-	Report and explanation of the results of survey and discussions (PRPC)
29	Sat	-	Supplementary survey and discussions (PRPC)
		-	All 5 members depart from PRPC
30	Sun	-	Compiling the results of survey and discussions
		-	Internal meeting
31	Mon	-	Summarizing an Outline Report
		-	Meeting with PRPC staff arriving in Manila

Date	Day	Description
Feb. 1	Tue	- Summarizing an Outline Report - Internal meeting - Meeting for obtaining information from planners and designers of existing PRPC facilities
2	Wed	- Summarizing an Outline Report - Internal meeting
3	Thu	- Submitting and explaining on Outline Report (in English) - (Mr. Miura and Mr. Arai of JICA, including copies for Japanese and U.S. Embassies) - Internal meeting
4	Fri	- Submitting and explaining on Outline Report (NHA) - Reporting the results of the survey on the conditions of infrastructure (UNHCR) - Leave Manila by JL 742

2. MINUTES OF DISCUSSIONS ON THE BASIC DESIGN STUDY

MINUTES OF DISCUSSIONS

The Government of Japan has sent, through Japan International Cooperation Agency which is an official agency, implementing the technical cooperation of the Government of Japan, a team headed by Mr. Yasuo Saito, Deputy Director of the Second Economic Cooperation Division, Economic Cooperation Bureau, Ministry of Foreign Affairs, to conduct the basic design survey on the project for the expansion of the Philippine Refugee Processing Center (hereinafter called the "Project") from January 16 to February 4, 1983.

The team had a series of discussions and exchanged views with the officials concerned of the Government of the Republic of the Philippines. Both parties have agreed to recommend to their respective Governments and authorities concerned to examine the results of the survey attached herewith toward the realization of the Project.

January 24, 1983

YASUO SAITO

GAUDENCIO V. TOBIAS

Attachments

1. The objective of the Project is to provide necessary buildings, facilities and equipment for upgrading PRPC's training and health programs.
2. The proposed site of the Project is located within PRPC, Morong, Bataan.
3. Based upon the site survey, the Japanese team confirmed that the items mentioned in the Memorandum of Understanding signed by the representatives of the Governments of the Republic of the Philippines, Japan and the United States of America, and UNHCR on December 11, 1982, are technically feasible. (See Annex-I)
4. The Task Force on International Refugee Assistance and Administration of the Government of the Republic of the Philippines is the responsible agency for the Project, and will take necessary measures for contracting with the Japanese consultant which participated in this basic design survey and with the Japanese construction company which will be selected through bidding, after the Exchange of Notes is signed to the effect of realizing the Japanese Grant.
5. Proposed implementing schedule of the Project is shown in Annex-2

6. The Task Force on International Refugee Assistance and Administration of the Government of the Republic of the Philippines will take necessary measures after the grant assistance by the Government of Japan is extended for the Project.

1) to provide data and information necessary for the detailed design and construction,

2) to secure lots of land necessary for the construction,

3) to ensure prompt unloading at the ports in the Republic of the Philippines and help facilitate internal transportation therein of the materials and equipment for the Project, and

4) to exempt any and all Japanese nationals involved in the Project from any custom duties, internal taxes and fiscal levies which may be imposed in the Republic of the Philippines with respect to the implementation of the Project.

I. Training Programs

1) Schoolhouses

a) Facilities : Five (5) schoolhouses
Each 6 classrooms (180 sq. m),
30 sq. m/classroom
Location: Phase II
Floor area: 180 sq. m x 5 = 900 sq. m

b) Equipment : Basic Food Services
Janitorial Services
Building Maintenance/Handyman Services
Cashier Training
Landscaping/Gardening
Hotel/Motel Aid Training

2) Mess Hall Kitchen and Guest House

a) Facilities : Expansion of the existing facilities
Location: Administration Complex
Floor Area: 150 sq. m

b) Equipment : Food Service and Mess Hall equipment
Guest House equipment

3) Office

a) Equipment : Necessary office furniture and equipment

4) Staff Dormitories

a) Facilities : Four (4) staff dormitories which accommodate 56 persons
Location: Dormitory Complex

Floor Area: 150 sq. m x 4 = 600 sq. m

b) Equipment : Necessary furniture and equipment

5) Audio-Visual Students Service Center

a) Facilities : Two (2) Audio-Visual Students Service Center

Location: Phase I and II

Floor Area: 250 sq. m x 2 = 500 sq. m

(SSC 50 sq. m + AV 200 sq. m)

b) Equipment Necessary office furniture and equipment

Audio-Visual Education Equipment

6) Centralized Public Address System

a) Facilities : Central P. A. Monitoring Station at the Administration Building

b) Equipment : Necessary P. A. System Equipment

7) Transportation Vehicles for staff use : Two (2) vehicles (12 passengers) for staff use

8) Buses : Four (4) buses with standard seating arrangement

Health Services

1) Medical-Dental Processing Center

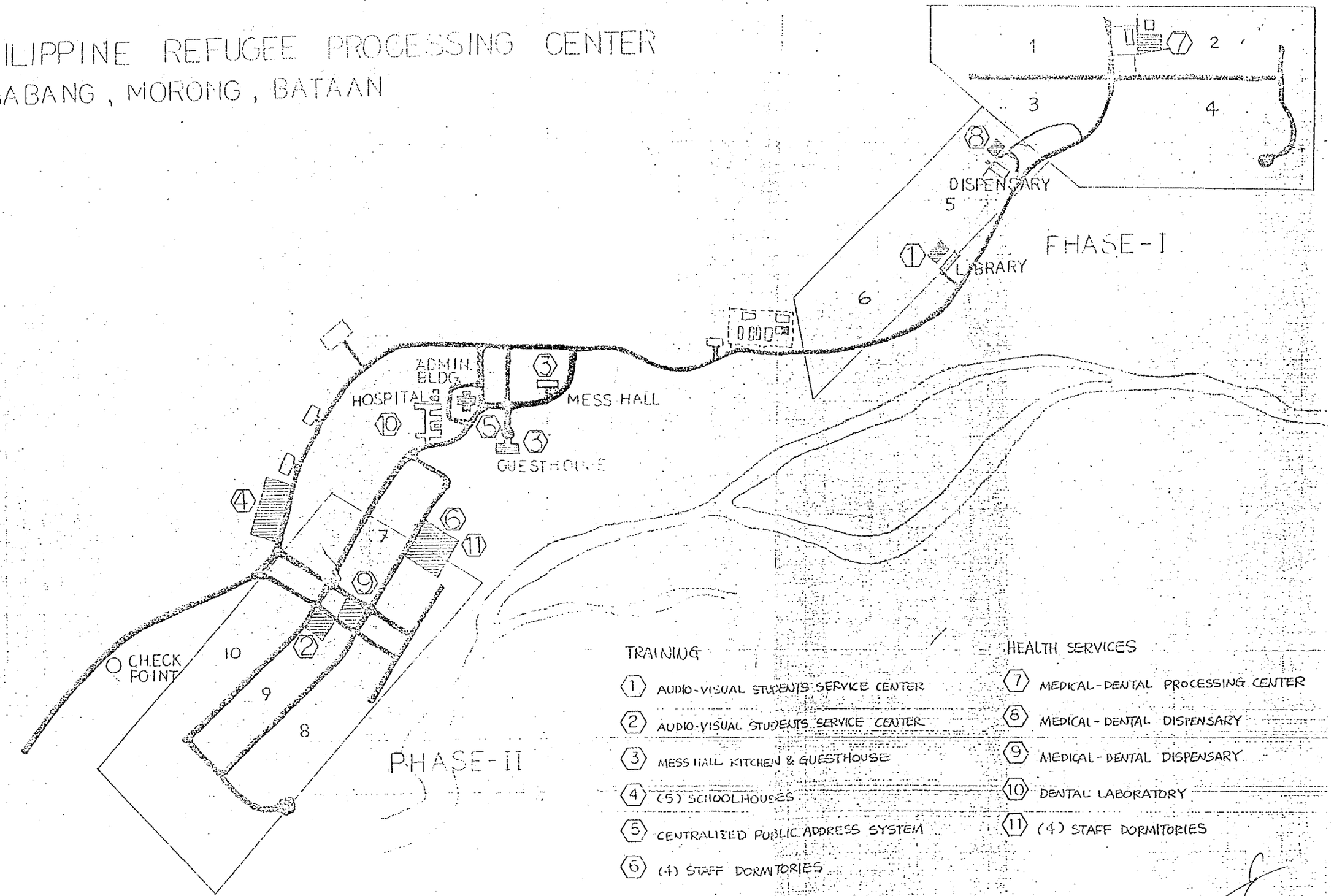
a) Facilities : Extension of existing Processing Center

Location: Phase I

Area: 200 sq. m

b) Equipment	: Necessary Equipment
2) Medical-Dental Dispensary	
a) Facilities	: Extension of existing Dispensary Location: Phase I and II
b) Equipment	: Necessary equipment
3) Dental Laboratory	
a) Facilities	: Extension of the existing Hospital Location: Hospital Complex
b) Equipment	: Necessary equipment
4) Staff Housing	
a) Facilities	: Four (4) staff dormitories which accommodate 56 persons Location: Dormitory Complex
b) Equipment	: Necessary furniture and equipment
5) Hospital	
a) Equipment	: Physiotherapy equipment EENT Clinic Equipment (except frames, lenses and hearing aid) Medical Laboratory Equipment Emergency Room Equipment Additional Hospital Equipment Two (2) ambulance cars with air conditioning
6) Others	
a) Equipment	: Supplies to support 1, 2, 3, 5 above (necessary supplies requirement for one (1) year)

PHILIPPINE REFUGEE PROCESSING CENTER
SABANG , MORONG , BATAAN



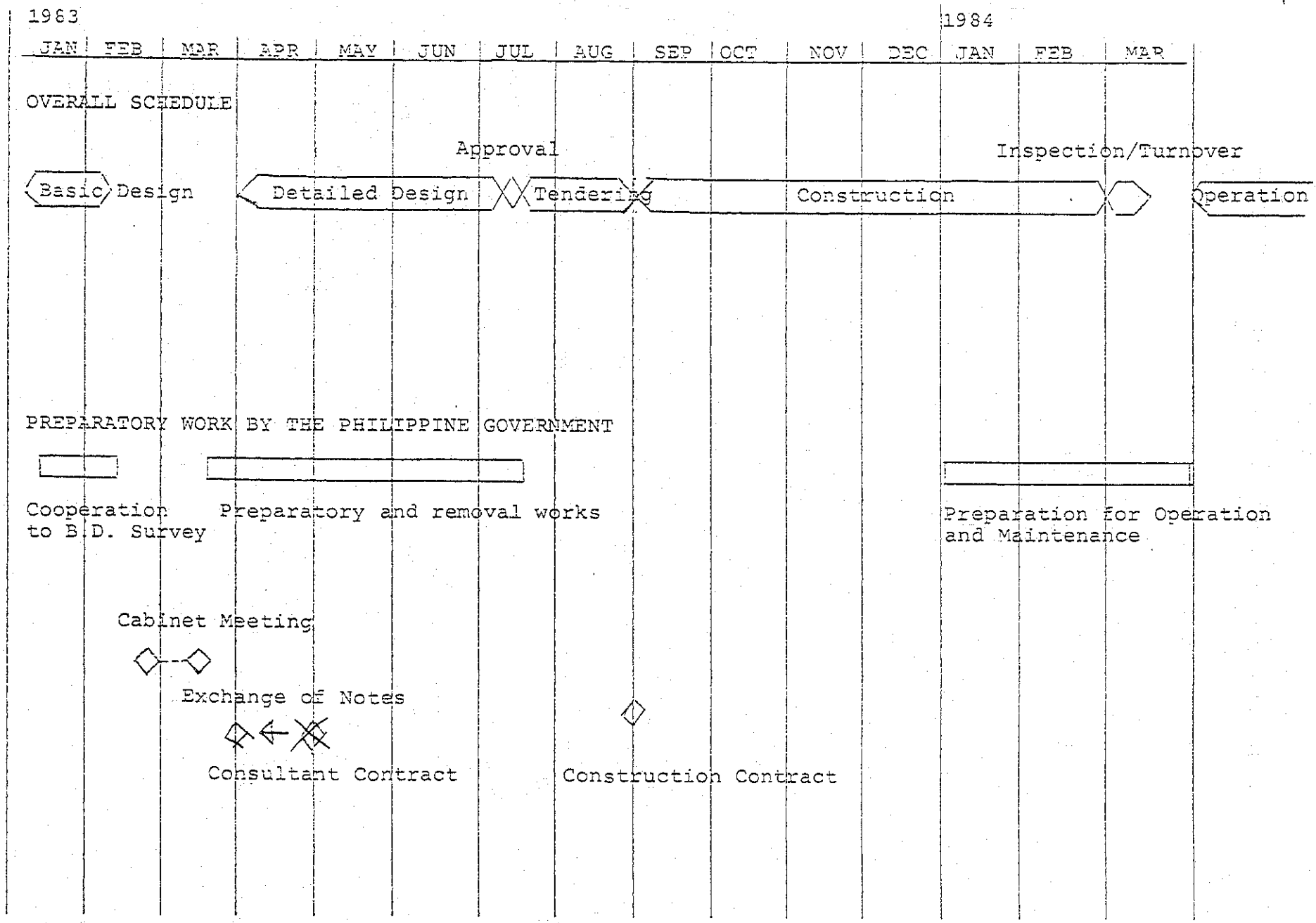
TRAINING

1. AUDIO-VISUAL STUDENTS SERVICE CENTER
2. AUDIO-VISUAL STUDENTS SERVICE CENTER
3. MESS HALL KITCHEN & GUESTHOUSE
4. (5) SCHOOLHOUSES
5. CENTRALIZED PUBLIC ADDRESS SYSTEM
6. (4) STAFF DORMITORIES

HEALTH SERVICES

7. MEDICAL-DENTAL PROCESSING CENTER
8. MEDICAL-DENTAL DISPENSARY
9. MEDICAL-DENTAL DISPENSARY
10. DENTAL LABORATORY
11. (4) STAFF DORMITORIES

TENTATIVE OVERALL SCHEDULE



3. MEMBER LIST OF THE PHILIPPINE COUNTERPARTS

TASK FORCE ON INTERNATIONAL REFUGEE ASSISTANCE AND ADMINISTRATION

Chairman	Minister of Human Settlements
Member	Minister of Foreign Affairs
	Minister of National Defense
	Minister of Public Works
	Minister of Public Highways
	Minister of Local Government and Community Development
	Minister of Natural Resources
	Minister of Health
	Minister of Agriculture
	Minister of Education and Culture
	Minister of Transportation and Communication
	Acting Minister of Social Services and Development
Secretariat	Deputy Minister of Human Settlements
	Deputy Minister of Public Works
	Flag Officer in command of the Philippine Navy
	General Manager of National Housing Authority

MINISTRY OF FOREIGN AFFAIRS

MR. ANTONIO K. MANGUIAT	-	Chief, Security Unit and Intelligence and Research Division (Ministry's Refugee Coordinator)
MR. REYNALDO A. CATAPANG	-	Principal Assistant, Security Unit and Intelligence and Research Division
MS. MARIA LUISA LANGCAUON	-	Assistant Chief, Security Unit and Intelligence and Research Division

U.S. EMBASSY

MR. WILLIAM STUBBS	-	First Secretary U.S. Refugee Programs Coordinator
MR. LORING WAGGONER	-	Refugee Affairs Officer
DR. ADA ADLER	-	Office of the U.S. Coordinator for Refugee Affairs

UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES

MS. PERRITZ MITHA	-	Representative in the Philippines (UNHCR)
MR. JOE YOUNG	-	Program Officer, Manila
MR. BRUCE McLEAN	-	Field Officer, PRPC
MR. JACOB AMMANN	-	Engineer (UNHCR)
MR. ABDUL AWAL	-	Engineer (UNICEF)

PHILIPPINE REFUGEE PROCESSING CENTER ADMINISTRATIVE OFFICE

MAJ. GEN. GAUDENCIO V. TOBIAS	-	Administrator General Manager of NHA
COL. JOSE S. BUSTOS	-	Acting Deputy Administrator Chief, Executive Staff
DR. CLARO M. NUÑEZ	-	Assistant Administrator (Health) Health Services Group (HSG)
MS. IDA MAY BAGASAO	-	Assistant Administrator (Training) Community Action and Social Services Development Group (CASSEDEG)
COL. JOSE BANZON	-	Assistant Administrator General Services Group (GSG)
COL. PETRONILO P. TATARO	-	Assistant Administrator Food Services Group (FSG)
MS. TERESITA A. BARCELON	-	Consulting for Social Services and Training
ATTY. ANTONIO CLAUDIO	-	Consultant for Legal Matters
DR. ELPIDIO C. PANGANIBAN	-	Consultant for Food and Health Services
MR. JOHNNY CASTILLO	-	Consultant for Finance
COL. ANTONIO FERNANDO	-	Consultant for Strategic/Policy Planning
MS. FIDES F. BAGASAO	-	CASSEDEG
MS. TERESITA C. NAVATO	-	CASSEDEG

GEOTESTING (INTERNATIONAL) INC.
GEOTECHNICAL & MATERIALS TESTING ENGINEERS

SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL. NO 85-61-42

REF.: GII-32582-317-83

DATE: January 25, 1983

Japan International Corporation Agency
c/o Mr. Jun-ichi Itano
Mandarin Hotel
Makati, Metro Manila

Subject : REPORT-SOIL INVESTIGATION FOR VARIOUS STRUCTURES AT PHILIPPINE REFUGEE PROCESSING CENTER, MORONG, BATAAN.

Gentlemen :

This report presents the results of the soil investigation we performed for the Philippine Refugee Processing Center at Morong, Bataan.

The purpose of our soil investigation is to explore the sub-surface condition of the project sites by test borings, perform laboratory tests and evaluation to provide foundation recommendations.

FIELD INVESTIGATION

To explore the sub-surface condition of the site, we drilled eleven (11) test borings to a maximum depth of 3.0 meter each hole. The exact location of the test borings are shown on the attached borehole location map. Disturbed samples were taken every one (1) meter interval using a Standard Penetration Test (SPT) split spoon sampler. The sampler was driven with a 63.64 kg hammer falling freely through a distance of 76.2 cm. The number of blows were recorded for the 30 cm. penetration.

LABORATORY TESTING

The samples obtained from the test borings were brought to our laboratory for further examination. Selected samples were tested to determine their moisture contents, liquid limits, plasticity index and particle size distribution. The samples were classified using the Unified Soil Classification System.

SUB-SURFACE CONDITIONS

The sites investigated is generally underlain by stiff to very stiff silty clay except on some areas where clayey sand and silty sand were encountered (BH-2, BH-6, BH-8 and BH-11).

The water table was not encountered at 3.0 meters deep in all the boreholes drilled.

RECOMMENDATIONS

We understand that the following structures will be constructed in the site as represented by test borings.

Test Borings No.	Structure
BH-1	Library
BH-2	Assembly Hall
BH-3	Mess Hall
BH-4A	ICMC Vocational Training Center
BH-4B	ICMC Vocational Training Center
BH-6	Staff dormitories
BH-7	Medical-Dental Processing Cente
BH-8	Medical-Dental Dispensary
BH-9	Medical-Dental Dispensary
BH-10	Dental Prosthetic Laboratory
BH-11	Staff Dormitories

All the structures to be constructed can be supported on continuous spread footings or individual footings tied with grade beams. Footings should be at least 30 cm. wide and bottomed at least 30 cm. below lowest adjacent final grade.

The footings can be designed for 1.0 kg/cm^2 dead loads and 1.25 kg/cm^2 total design loads.

The enclosures complete this soil investigation report for the Philippine Refugee Processing Center, Morong, Bataan.

Very truly yours,

GEOTESTING (INTERNATIONAL) INC.

DOMINADOR R. FERMIN, JR.
President

GEOTESTING (INTERNATIONAL) INC.
GEOTECHNICAL & MATERIALS TESTING ENGINEERS

SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL. NO 85-61-42

SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center | Ground Elevation: No data | Hole No.: BH-1
Project: Library | Watertable Elev.: None | Location: Morong, Bataan
Hole Logged By: F. Alcaraz | Date gaged: - | Depth of Hole: 3.0 meter
Date Begun: Jan. 19, 1983 | Weight of Hammer: 63.64 kgs. | Coordinates: See borehole location plan
Date Finished: Jan. 19, 1983 | Height of Drop: 0.762 meters

Notes: Type & Size of hole, Type of Sampler, Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m.	Log	Penetration Resistance blows per foot (10 20 30 40 50)
				Silty Clay, dark brown stiff, high plasticity moist in place (CH)			
10 cm. Ø Hand Auger	100	9	SPT-1		1.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	8	SPT-2		2.0		
	100	17	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

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TEL. NO 88-61-42

SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center | Ground Elevation: No Data | Hole No.: BH-2
Project: Assembly Hall | Watertable Elev.: None | Location: Morong, Bataan
Hole Logged By: F. Alcaraz | Date gaged: - | Depth of Hole: 3.0 meters
Date Begun: Jan. 19, 1983 | Weight of Hammer: 63.64 kgs | Coordinates: See borehole location plan
Date Finished: Jan. 19, 1983 | Height of Drop: 0.762 meters

Notes: Type & Size of hole, Type of Sampler, Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m	Log	Penetration Resistance blows per foot (10 20 30 40 50)
				Silty Clay, brown, stiff medium plastic, moist in place (CL)			
10 cm. Ø Hand Auger	100	7	SPT-1		1.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	8	SPT-2	Silty sand, yellowish brown, medium dense low plasticity, moist in place with traces of gravel (SM)	2.0		
	100	14	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

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SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center | Ground Elevation: No Data | Hole No.: BH-3
Project: Mess Hall | Watertable Elev.: None | Location: Morong, Bataan
Hole Logged By: F. Alcaraz | Date gaged: - | Depth of Hole: 3.0 meters
Date Begun: Jan. 19, 1983 | Weight of Hammer: 63.64 kgs. | Coordinates: See borehole location plan
Date Finished: Jan. 19, 1983 | Height of Drop: 0.762 meters

Notes: Type & Size of hole, Type of Sampler, Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m.	Log	Penetration Resistance blows per foot (10 20 30 40)
10 cm. Ø Hand Auger	100	6	SPT-1	Silty Clay, brown, medium stiff to stiff, high plasticity, moist in place (CH)	1.0		
	100	8	SPT-2		2.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	9	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

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SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL. NO 85-61-42

SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center ICMC Vocational
Project: Training Center
Hole Logged By: F. Alcaraz
Date Begun: Jan. 20, 1983
Date Finished: Jan. 20, 1983

Ground Elevation: No Data
Watertable Elev.: None
Date gaged: -
Weight of Hammer: 63.64 kgs.
Height of Drop: 0.762 meters

Hole No.: BH-4A
Location: Morong, Bataan
Depth of Hole: 3.0 meters
Coordinates: See borehole location plan

Notes: Type & Size of hole; Type of Sampler; Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m	Log	Penetration Resistance blows per foot (10 20 30 40)
10 cm. Ø Hand Auger	00	11	SPT-1	Silty Clay, dark brown, stiff to very stiff, high plasticity, moist in place (CH)	1.0		
	00	29	SPT-2		2.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	00	28	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

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SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL. NO 85-61-42

SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center ICMC Vocational
Project: Training Center
Hole Logged By: F. Alcaraz
Date Begun: Jan. 20, 1983
Date Finished: Jan. 20, 1983

Ground Elevation: No Data
Watertable Elev.: None
Date gaged: -
Weight of Hammer: 63.64 kgs.
Height of Drop: 0.762 meters

Hole No.: BH-4B
Location: Morong, Bataan
Depth of Hole: 3.0 meters
Coordinates: See borehole location plan

Notes: Type & Size of hole; Type of Sampler; Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m	Log	Penetration Resistance blows per foot (10 20 30 40)
10 cm. Ø Hand Auger	100	11	SPT-1	Sitly Clay, dark brown stiff to hard, high plasticity, moist in place (CH)	1.0		
	100	30	SPT-2		2.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	33	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

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SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL. NO 85-61-42

SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center
Project: Staff Dormitories
Hole Logged By: F. Alcaraz
Date Begun: Jan. 20, 1983
Date Finished: Jan. 20, 1983
Ground Elevation: No Data
Watertable Elev.: None
Date gaged: -
Weight of Hammer: 63.64 kgs.
Height of Drop: 0.762 meters
Hole No.: BH-6
Location: Morong, Bataan
Depth of Hole: 3.0 meters
Coordinates: See borehole location plan

Notes: Type & Size of hole; Type of Sampler; Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m	Log	Penetration Resistance blows per foot (10 20 30 40)
				Silty Clay, light brown stiff, high plasticity, moist in place. (CL)			
10 cm. Ø Hand Auger	100	11	SPT-1		1.0		
				Clayey Sand, yellowish brown, low plasticity moist in place with traces of gravel (SC)			
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	8	SPT-2		2.0		
				Silty Sand, yellowish, brown, low plasticity, moist in place with traces of gravel (SM)			
	100	16	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

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GEOTECHNICAL & MATERIALS TESTING ENGINEERS

SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL. NO 85-61-42

SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center | Ground Elevation: No Data | Hole No.: BH-7
Project: Medical Dental Processing Center | Watertable Elev.: None | Location: Morong, Bataan
Hole Logged By: F. Alcaraz | Date gaged: - | Depth of Hole: 3.0 meters
Date Begun: Jan. 20, 1983 | Weight of Hammer: 63.64 kgs. | Coordinates: See borehole location plan
Date Finished: Jan. 20, 1983 | Height of Drop: 0.762 meters

Notes Type & Size of hole Type of Sampler Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m	Log	Penetration Resistance blows per foot (10 20 30 40)
10 cm. Ø Hand Auger	100	7	SPT-1	Silty Clay, dark brown, medium stiff to very stiff, high plasticity, moist in place (CH)	1.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	11	SPT-2		2.0		
	100	23	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

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GEOTECHNICAL & MATERIALS TESTING ENGINEERS

SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL. NO 85-61-42

SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center | Ground Elevation: No Data | Hole No.: BH-8
Project: Medical Dental Dispensary | Watertable Elev.: None | Location: Morong, Bataan
Hole Logged By: F. Alcaraz | Date gaged: - | Depth of Hole: 3.0 meters
Date Begun: Jan. 20, 1983 | Weight of Hammer: 63.64 kgs. | Coordinates: See borehole location plan
Date Finished: Jan. 20, 1983 | Height of Drop: 0.762

Notes: Type & Size of hole; Type of Sampler; Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m	Log	Penetration Resistance blows per foot (10, 20, 30, 40)
10 cm. Ø Hand Auger	100	10	SPT-1	Silty Clay, dark brown stiff, high plasticity, moist in place (CH)	1.0		
	100	7	SPT-2		2.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	12	SPT-3	Clayey Sand, yellowish brown, medium dense, moist in place with gravel	3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

GEOTESTING (INTERNATIONAL) INC.
GEOTECHNICAL & MATERIALS TESTING ENGINEERS

SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL., NO 85-61-42

SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center | Ground Elevation: No Data | Hole No.: BH-9
Project: Medical Dental Dispensary | Watertable Elev.: None | Location: Morong, Bataan
Hole Logged By: F. Alcaraz | Date gaged: - | Depth of Hole: 3.0 meters
Date Begun: Jan. 20, 1983 | Weight of Hammer: 63.64 kgs. | Coordinates: See borehole location plan
Date Finished: Jan. 20, 1983 | Height of Drop: 0.762 meters

Notes Type & Size of hole Type of Sampler Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m	Log	Penetration Resistance blows per foot (10 20 30 40)
				Silty Clay, dark brown medium, stiff to stiff, high plasticity, moist in place (CH)			
10 cm. Ø Hand Auger	100	7	SPT-1		1.0		
	100	5	SPT-2		2.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	11	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

GEOTESTING (INTERNATIONAL) INC.
GEOTECHNICAL & MATERIALS TESTING ENGINEERS

SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL. NO 85-61-42

SUBSURFACE EXPLORATION LOG

Feature: Phil. Refugee Processing Center | Ground Elevation: No Data | Hole No.: BH-10
Project: Dental Prosthetic Lab. | Watertable Elev.: None | Location: Morong, Bataan
Hole Logged By: F. Alcaraz | Date gaged: - | Depth of Hole: 3.0 meters
Date Begun: Jan. 20, 1983 | Weight of Hammer: 63.64 kgs. | Coordinates: See borehole location plan
Date Finished: Jan. 20, 1983 | Height of Drop: 0.762 meters

Notes: Type & Size of hole; Type of Sampler; Loss of Drilling Water	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, m	Log	Penetration Resistance blows per foot (10 20 30 40)
10 cm. ø Hand Auger				Silty Clay, reddish brown, stiff, high plasticity, moist in place (CH)			
	100	12	SPT-1		1.0		
	100	16	SPT-2		2.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	9	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

Noted by: D. R. FERMIN, JR./President

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GEOTECHNICAL & MATERIALS TESTING ENGINEERS

SUITE 101, 1679 DIAN ST., MAKATI, M. M.
TEL. NO 86-61-42

SUBSURFACE EXPLORATION LOG

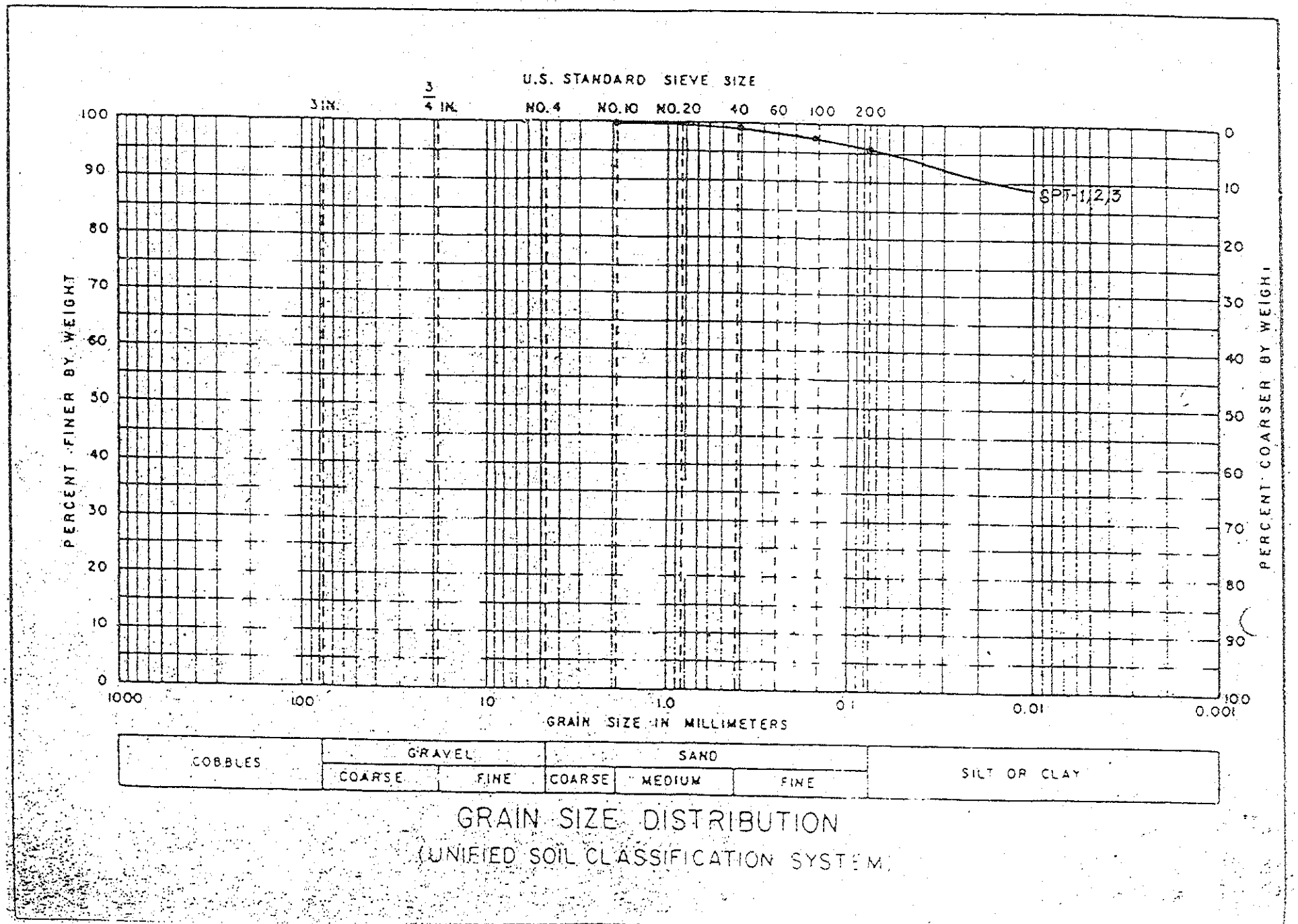
Feature: Phil. Refugee Processing Center
Project: Staff Dormitories
Hole Logged By: F. Alcaraz
Date Begun: Jan. 20, 1983
Date Finished: Jan. 20, 1983
Ground Elevation: No Data
Watertable Elev.: None
Date gaged: -
Weight of Hammer: 63.64 kgs
Height of Drop: 0.762 meters
Hole No.: BH-11
Location: Morong, Bataan
Depth of Hole: 3.0 meters
Coordinates: See borehole location plan

Notes Type & Size of hole Type of Sampler Loss of DrillingWater	Recovery, %	No. of Blows	Sample taken	Description and Classification of Material	Depth, ft	Log	Penetration Resistance blows per foot (10 20 30 40)
				Silty Clay, dark brown, stiff, high plasticity, moist in place (CH)			
10 cm. ø Hand Auger	100	10	SPT-1		1.0		
SPT Sampler 5.08 cm. O.D. 3.50 cm. I.D. 60 cm. long	100	8	SPT-2	Silty Sand, yellowish brown, medium dense, moist in place with traces of gravel (SM)	2.0		
	100	16	SPT-3		3.0		
				End of Boring			

Checked by: E. RAMIREZ/Materials Testing Engr.

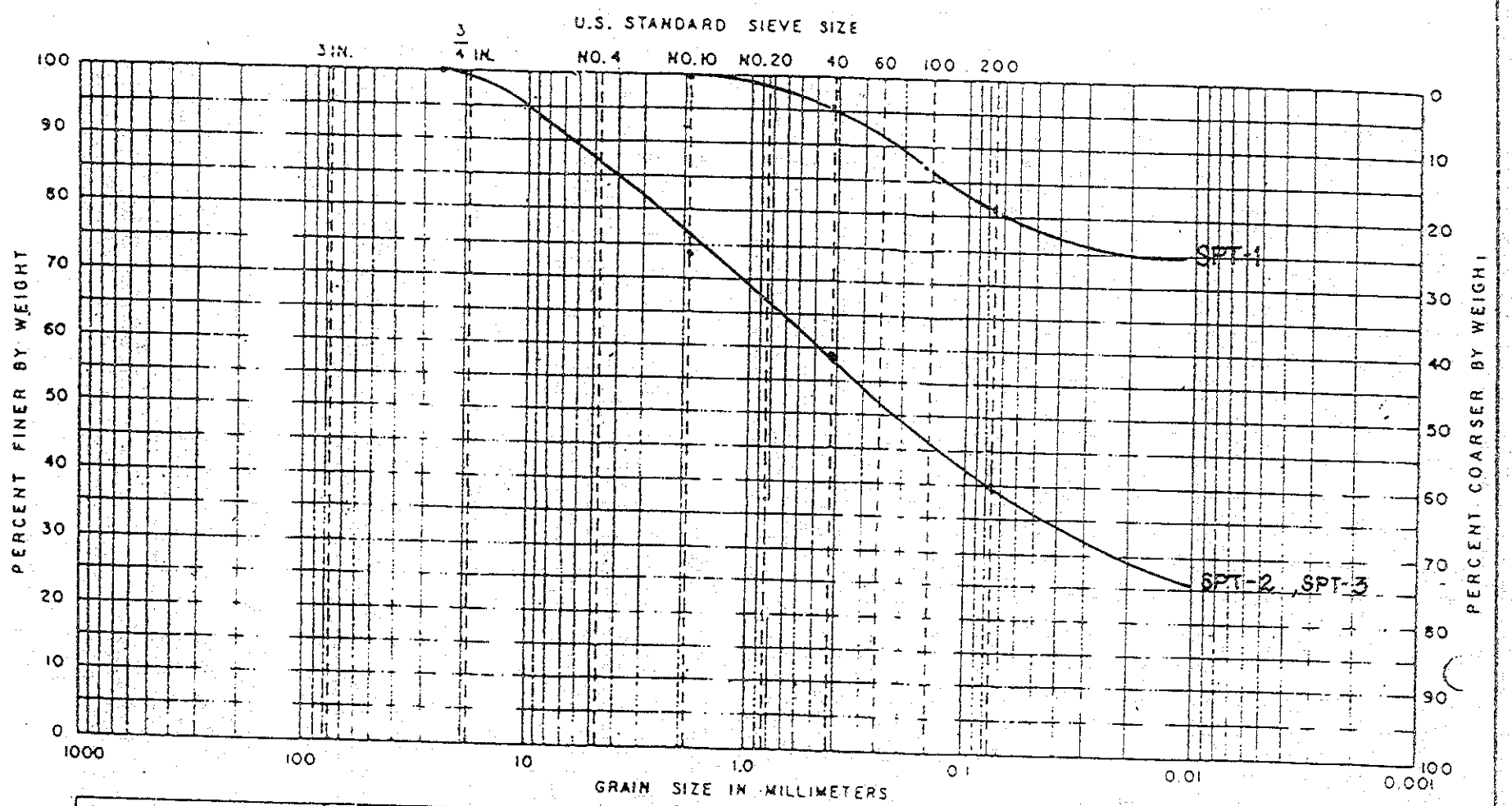
Noted by: D. R. PERMIN, JR./President

PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-1



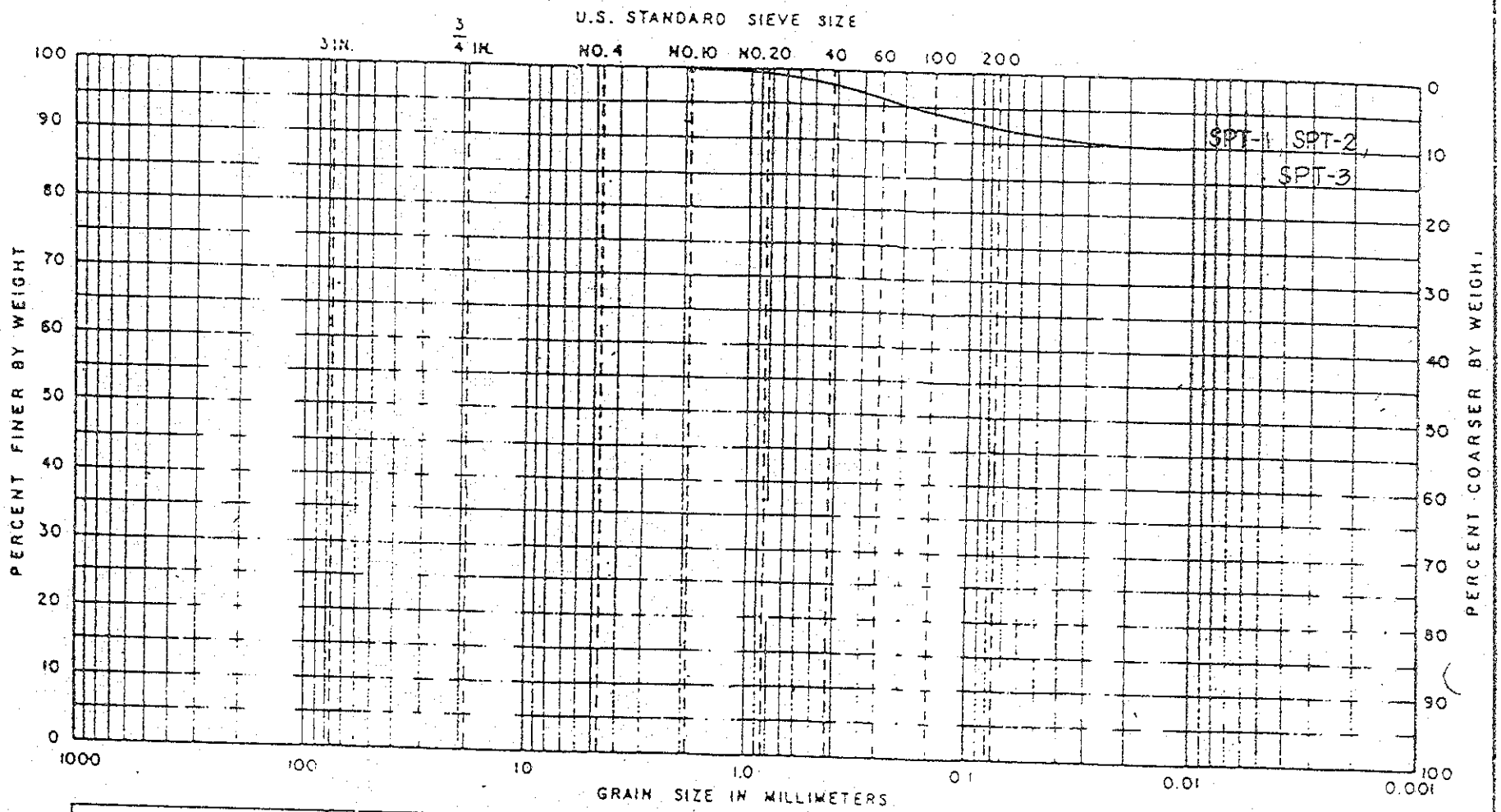
GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION SYSTEM)

PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-2



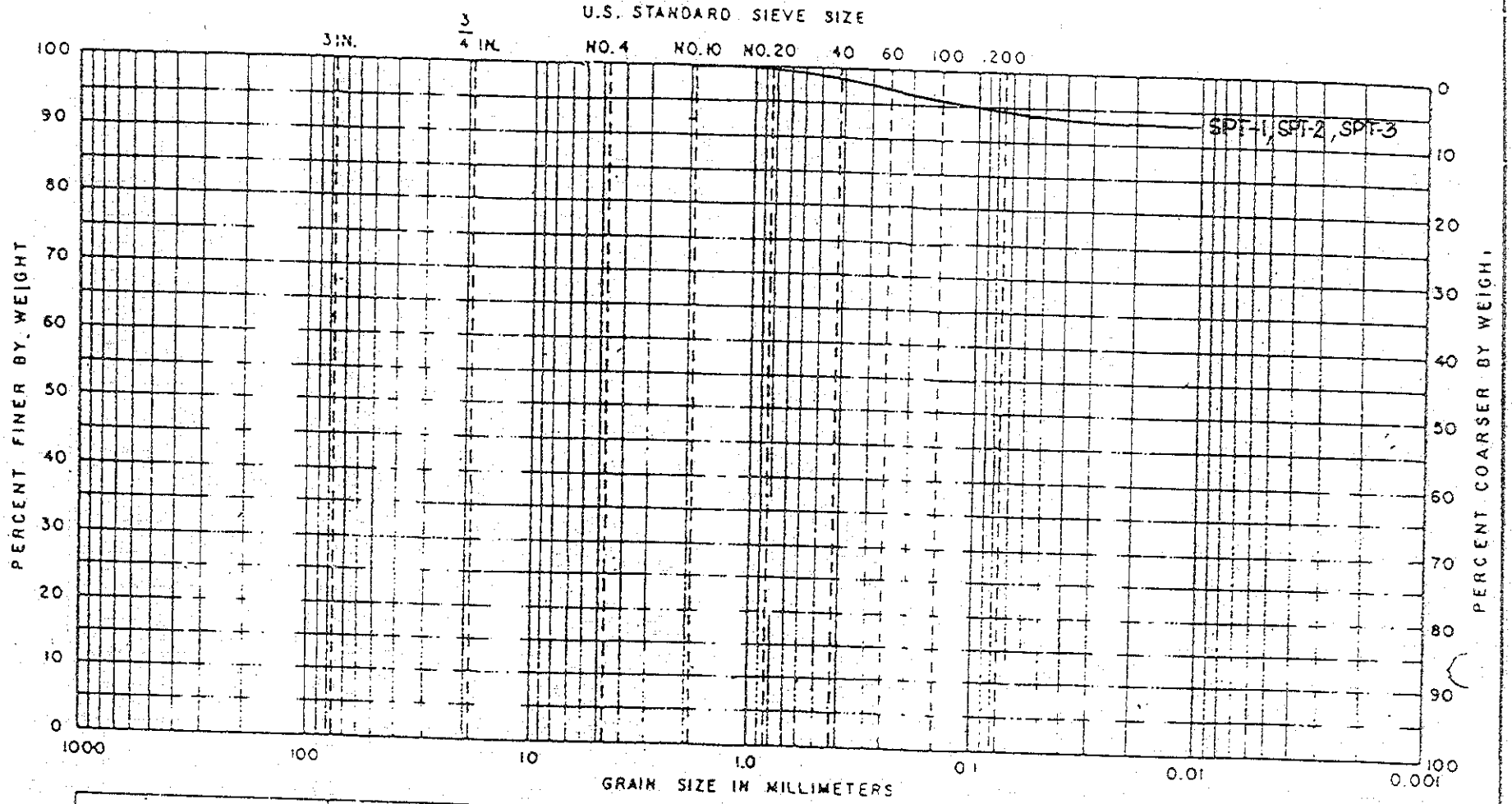
GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION SYSTEM)

PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-3



GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION SYSTEM)

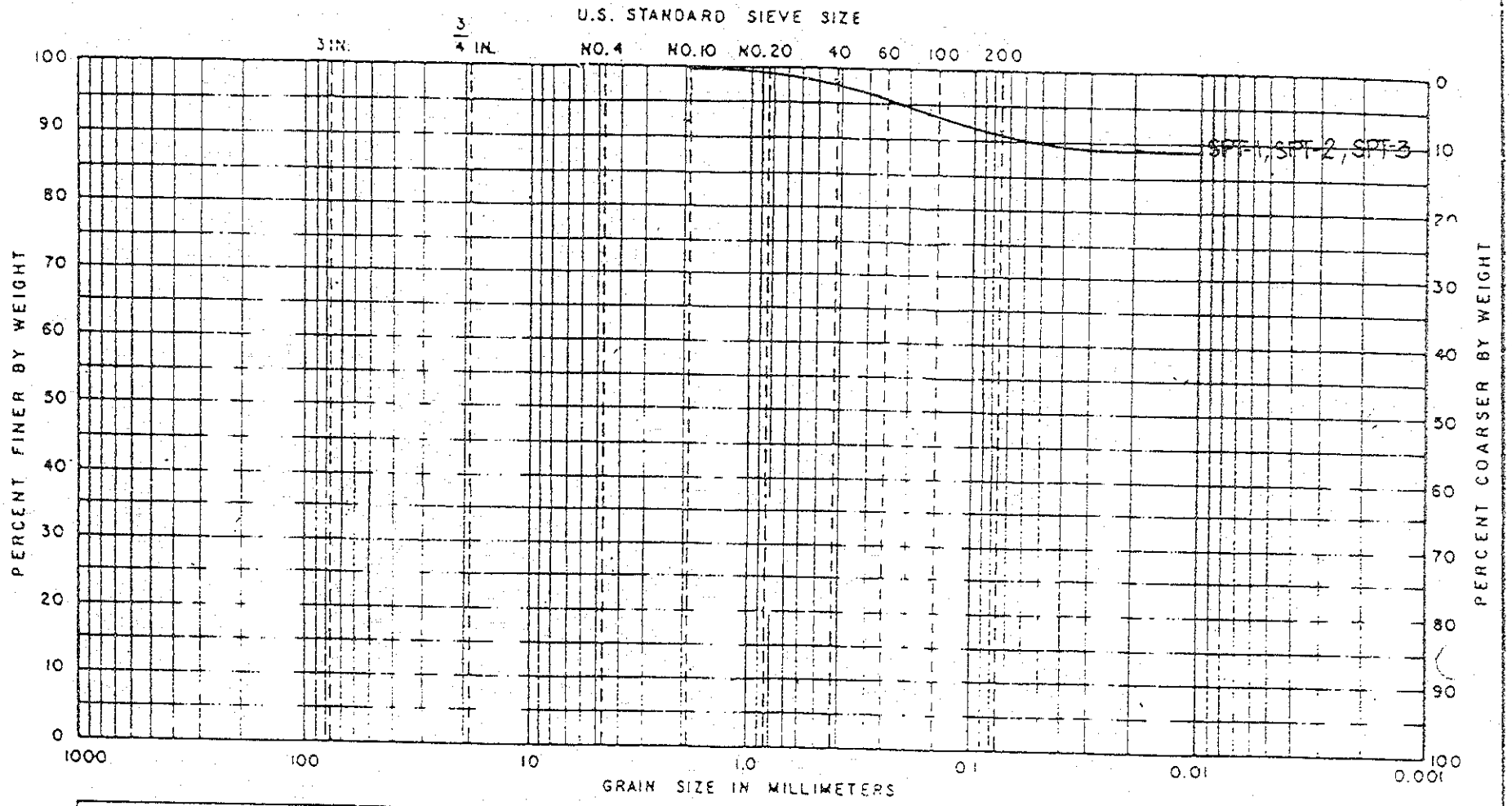
PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-4A



GRAIN SIZE DISTRIBUTION

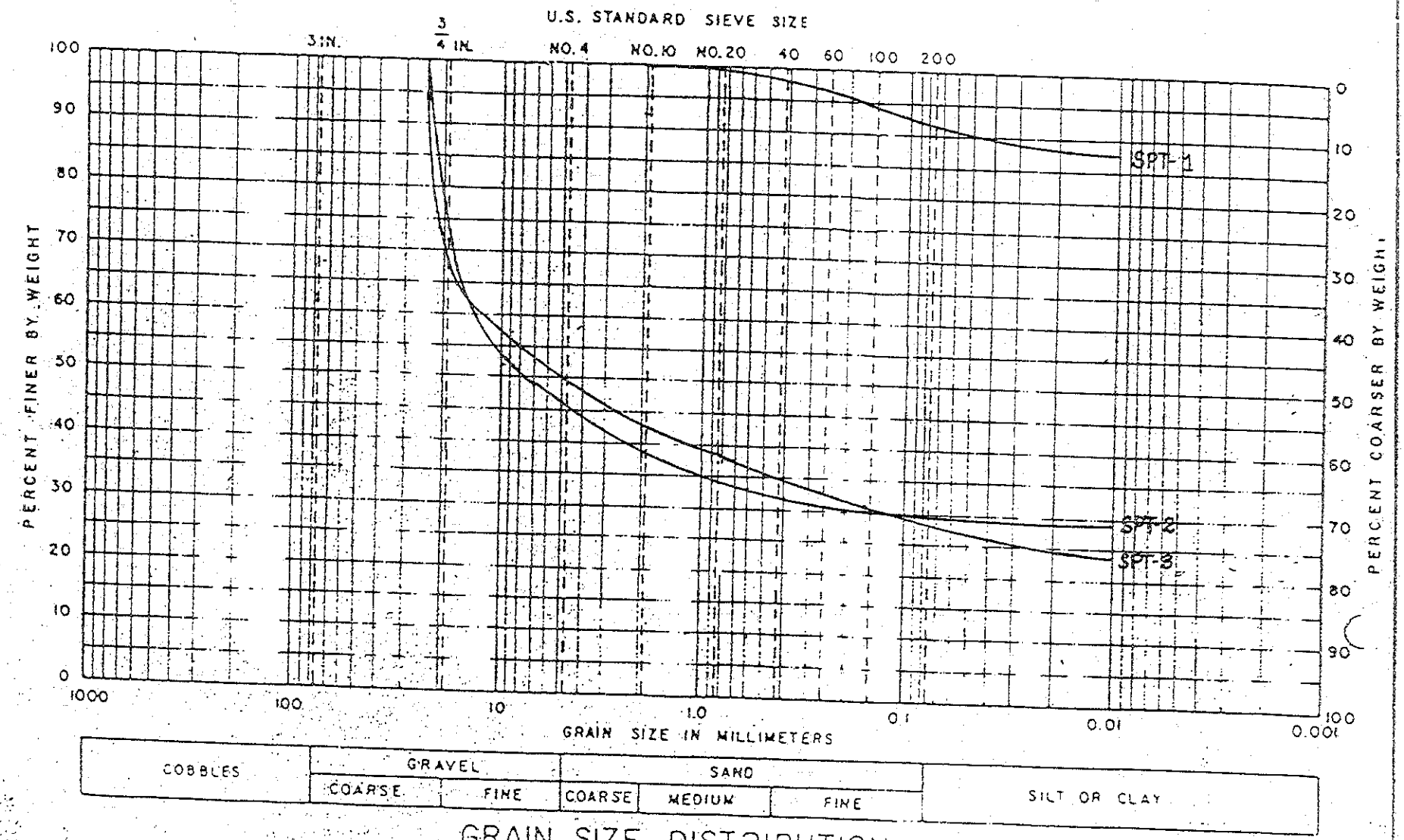
(UNIFIED SOIL CLASSIFICATION SYSTEM)

PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-4B



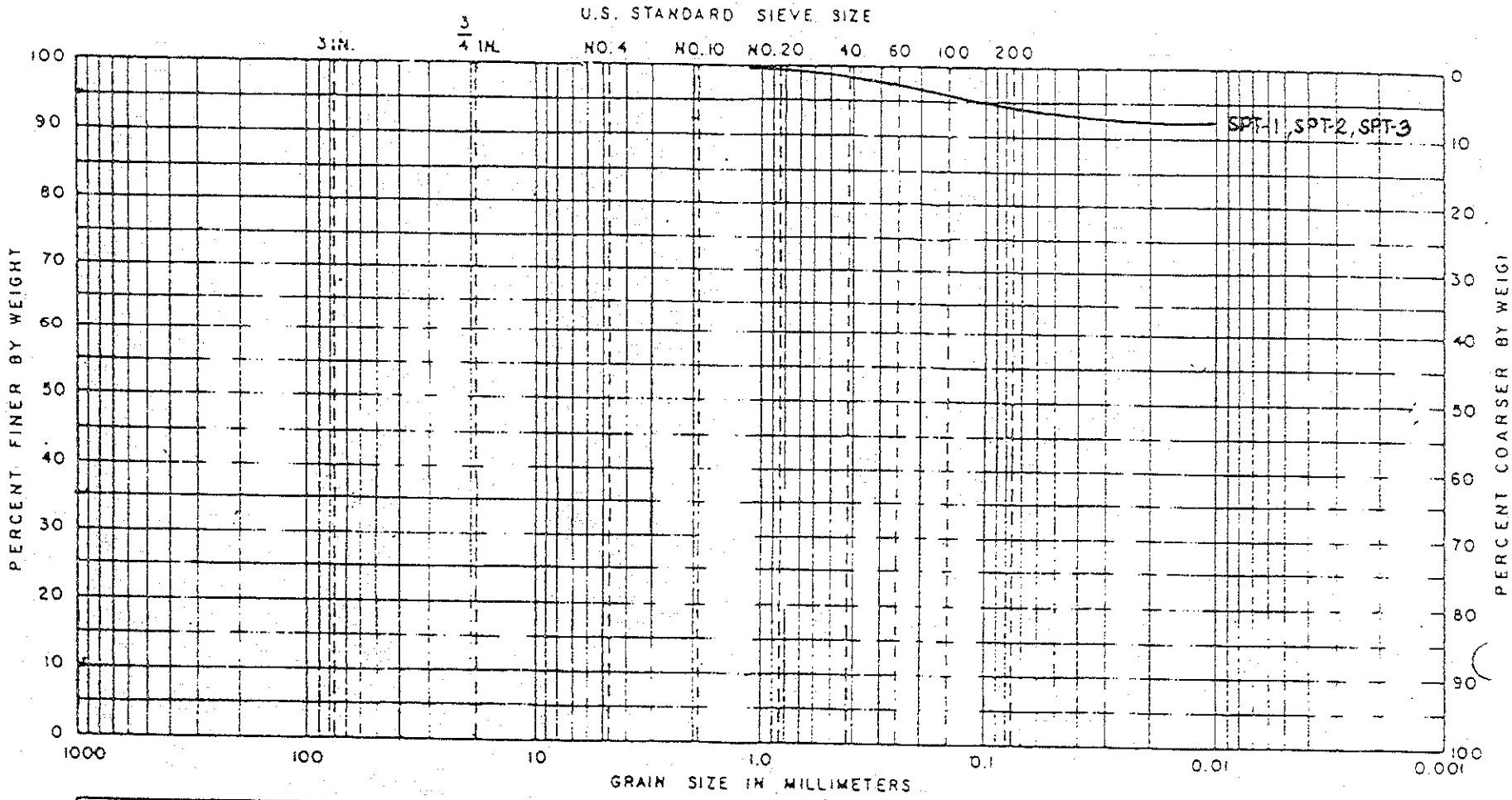
GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION SYSTEM)

PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-6



GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION SYSTEM)

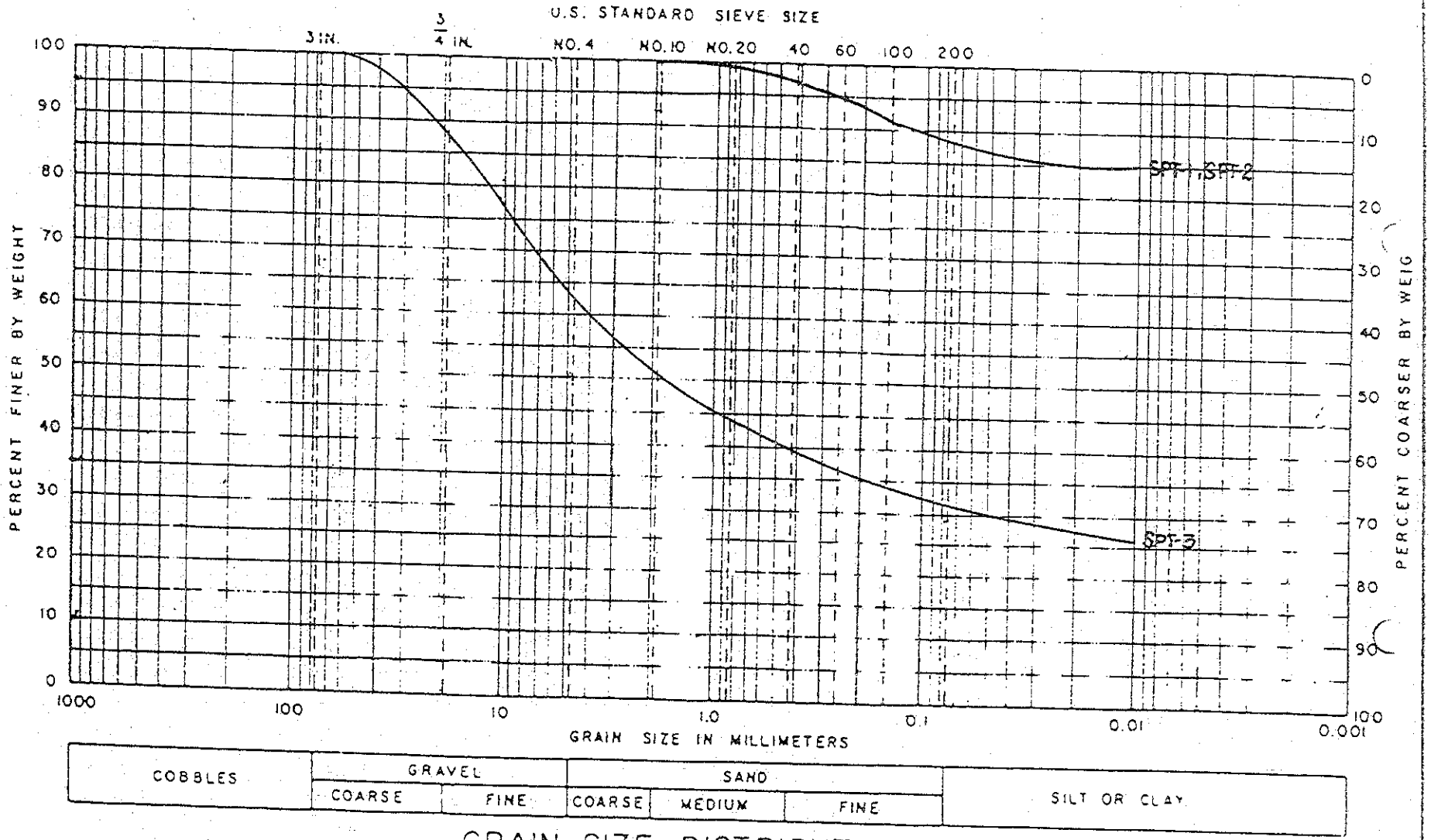
PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-7



GRAIN SIZE DISTRIBUTION

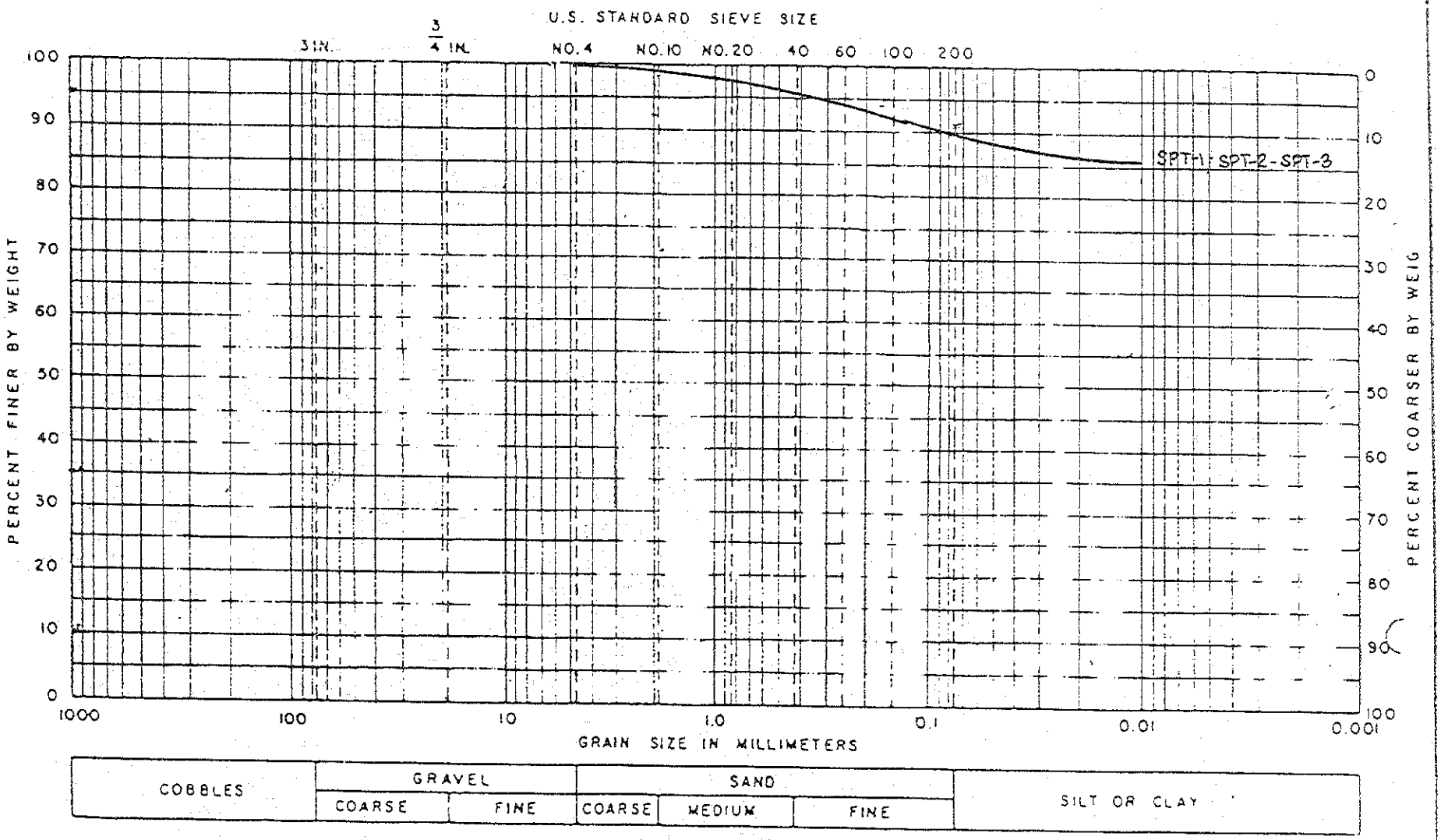
(UNIFIED SOIL CLASSIFICATION SYSTEM)

PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-8



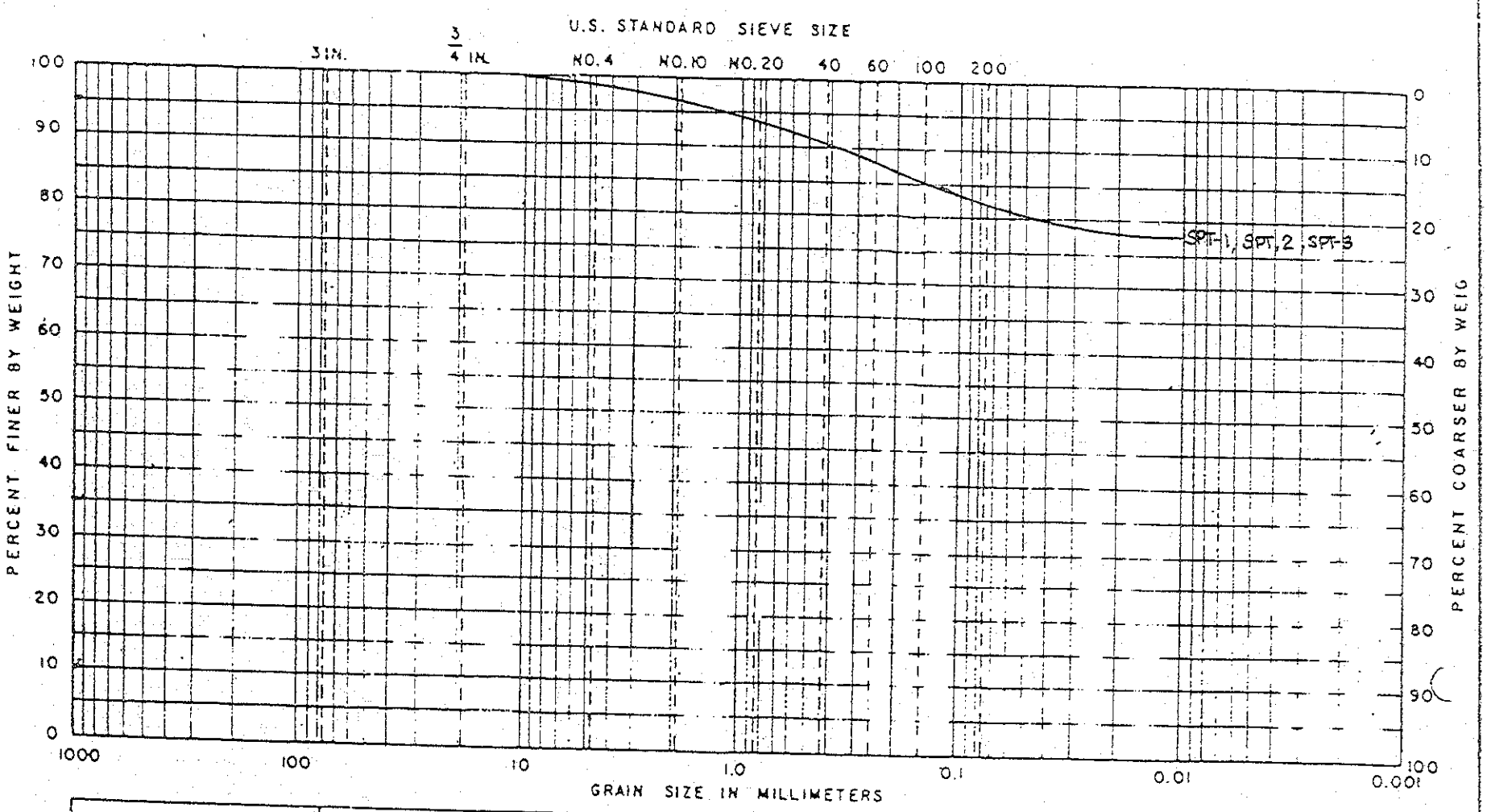
GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION SYSTEM)

PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-9



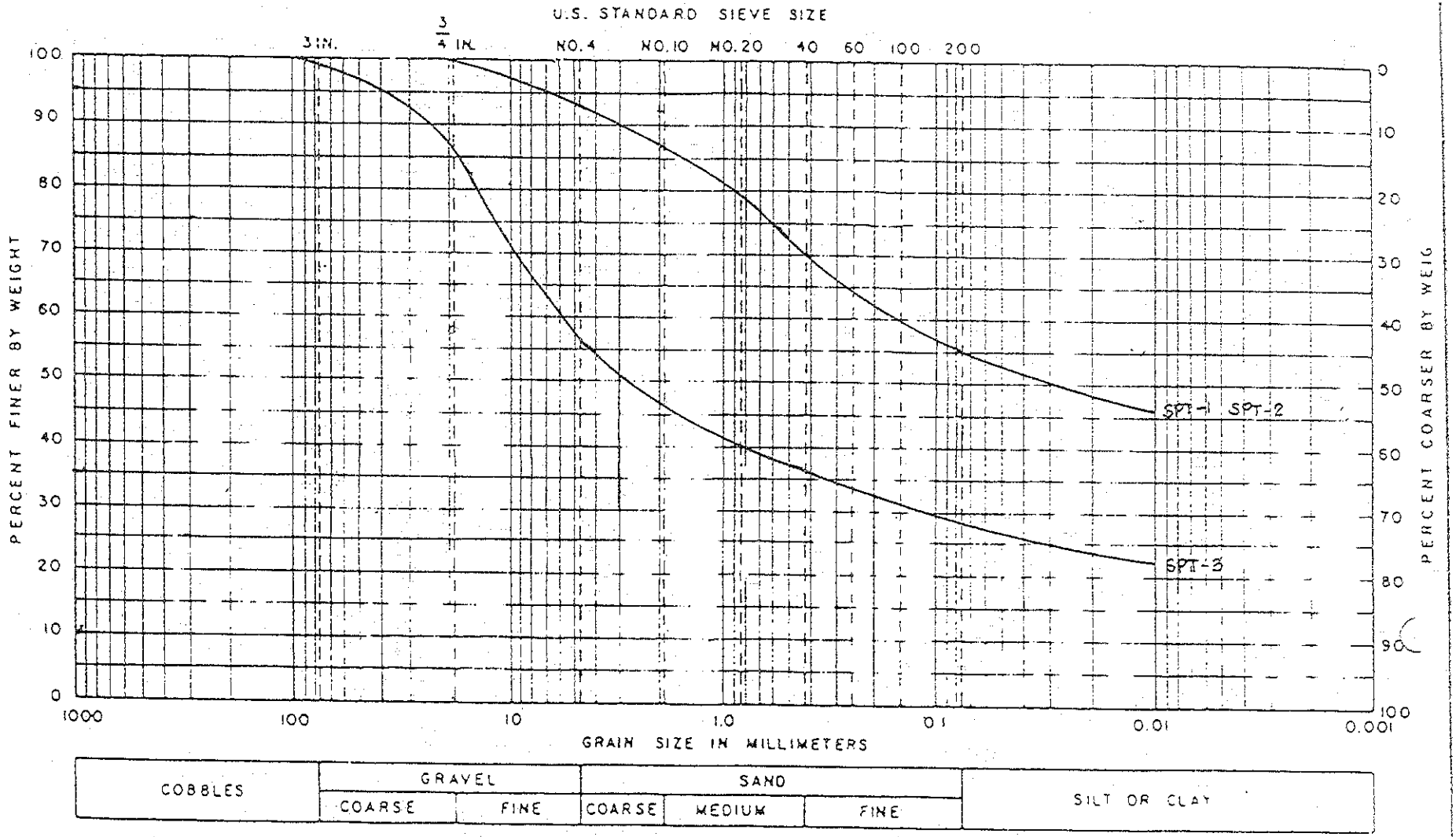
GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION SYSTEM)

PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-10



GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION SYSTEM)

PROJECT : Philippine Refugee Processing Center
BOREHOLE NO. : BH-11



GRAIN SIZE DISTRIBUTION

(UNIFIED SOIL CLASSIFICATION SYSTEM)

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Te.. hone No. 85-61-42

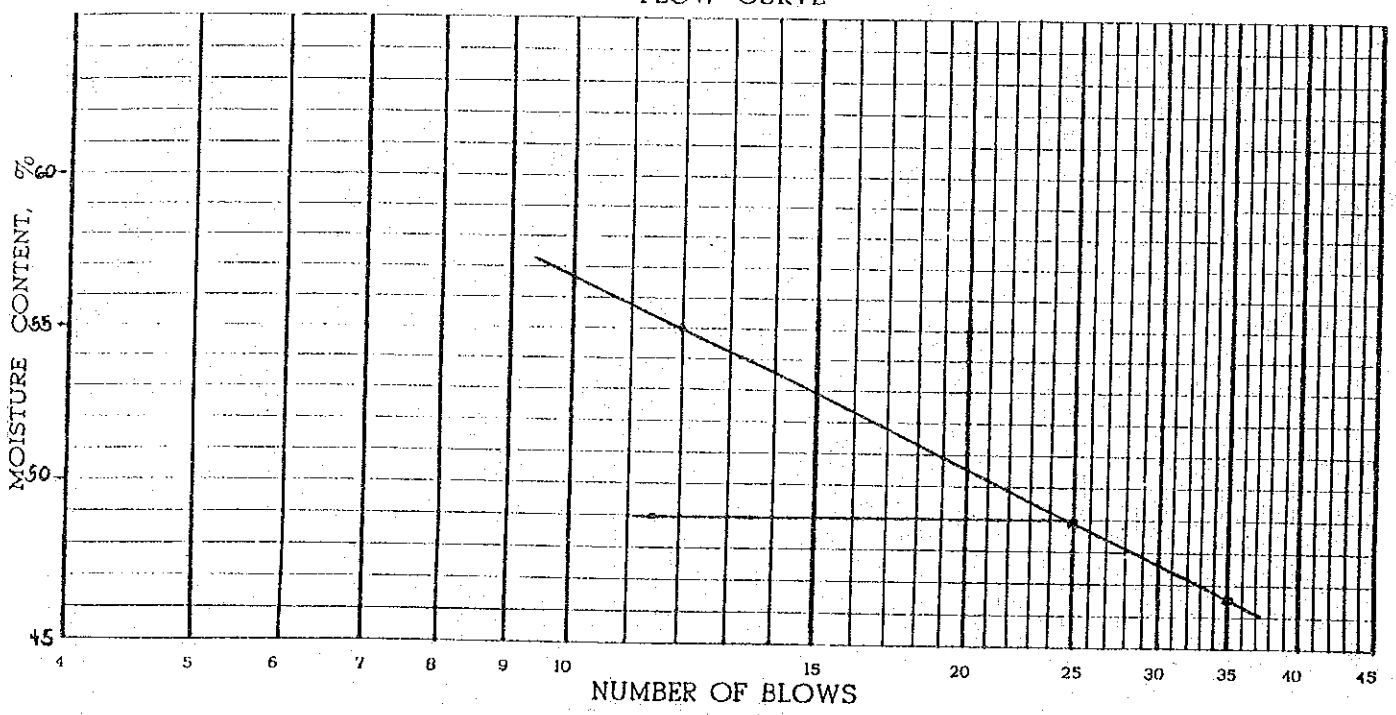
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center	LAB. NO.
MATERIAL: BH-1 - SPT-1, SPT-2, SPT-3	T. R. NO.
TESTED BY: ROSEMARIE PAJARES/Sr. Lab. Tech.	DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	15	9	A		13 A	12	
WT OF CAN AND WET SOIL	23.32	25.25	25.19		15.26	13.12	
WT. OF CAN AND DRY SOIL	18.98	19.82	19.69		14.05	11.93	
WT. OF WATER	4.34	5.43	5.50		1.21	1.19	
WT. OF CAN	9.73	9.81	9.69		9.73	7.68	
WT. OF DRY SOIL	9.25	10.01	10.00		4.32	4.25	
PERCENT MOISTURE	46.92	54.25	55.00		28.01	28.00	
NO OF BLOWS	35	24	12		Average	= 28.01	

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
54	28	26

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

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GEOTESTING (INTERNAT NAL) INC.
GEOTECHNICAL & MATERIALS . ESTING ENGINEERING

S 101 1679 Dian St., Metro Manila
Telephone No. 85-61-42

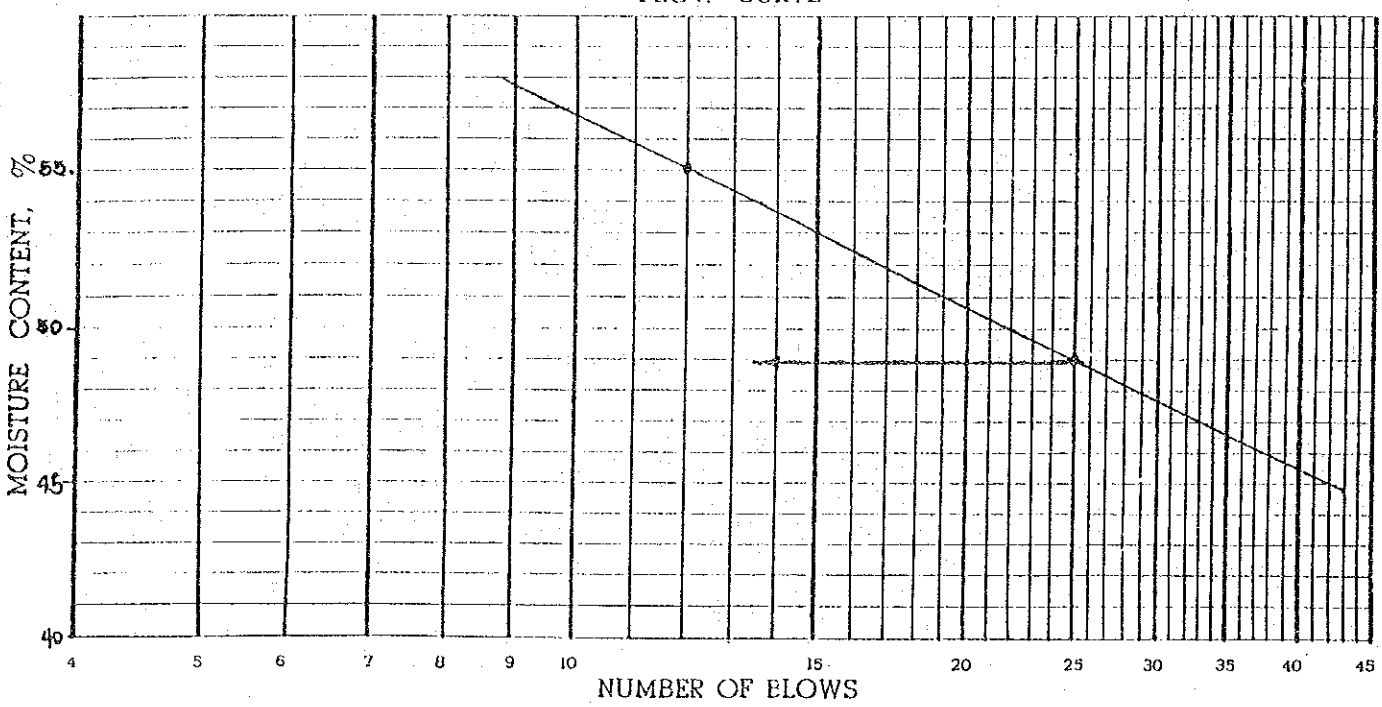
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center	LAB. NO.
MATERIAL: BH-2 - (0.7 - 1.0)	T. R. NO.
TESTED BY: ROSEMARIE E. PAJARES/Sr. Lab. Technician	DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	16	8	1B		23	25	
WT. OF CAN AND WET SOIL	22.78	21.15	22.41		14.24	11.75	
WT. OF CAN AND DRY SOIL	18.66	16.51	16.59		13.32	10.83	
WT. OF WATER	4.12	4.64	5.82		0.92	0.92	
WT. OF CAN	9.70	6.95	6.20		10.05	7.54	
WT. OF DRY SOIL	8.96	9.56	10.39		3.27	3.29	
PERCENT MOISTURE	45.98	48.54	56.02		28.13	27.96	
NO. OF BLOWS	36	27	12		Average = 28.05		

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
49	28	21

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

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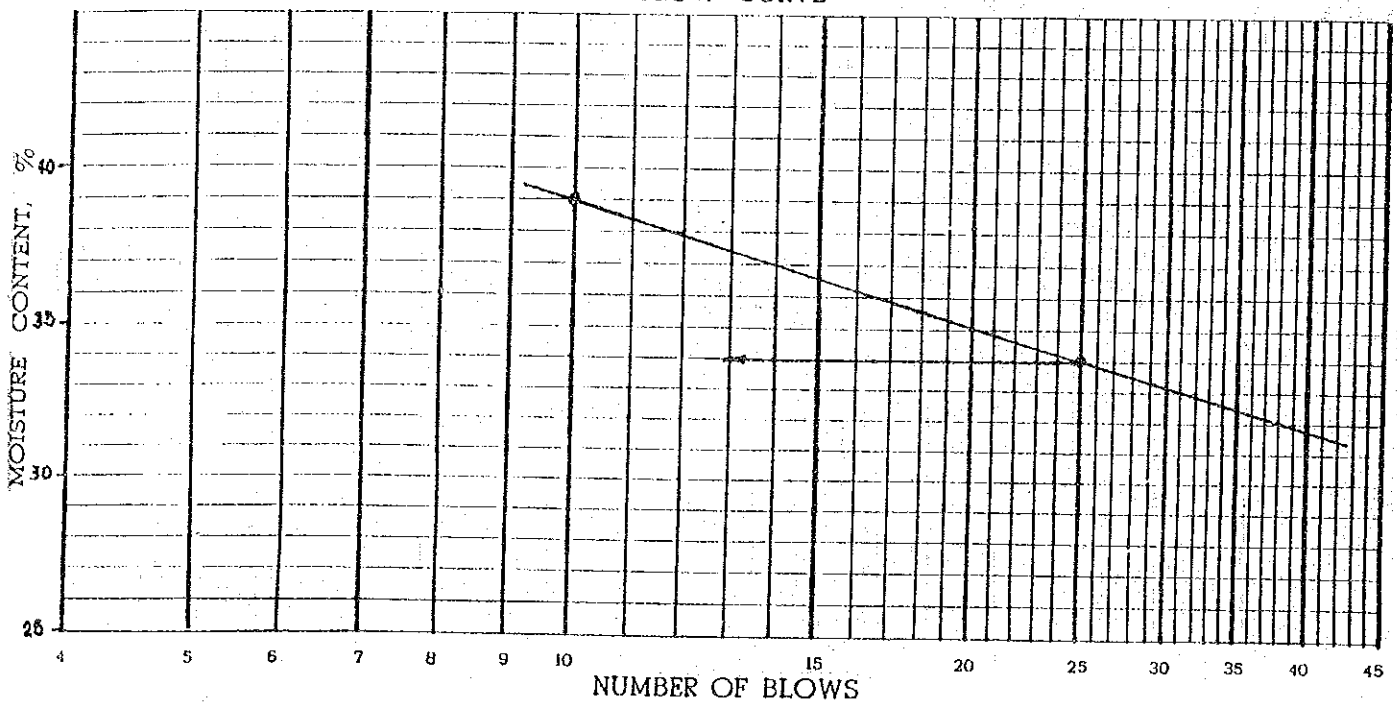
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center
LAB. NO.:
MATERIAL: BH-2 - SPT-2, SPT-3
T. R. NO.:
TESTED BY: ROSEMARIE E. PAJARES/Sr. Lab. Technician
DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	5	6	19		3	6 A	
WT. OF CAN AND WET SOIL	23.06	24.35	26.54		18.03	15.39	
WT. OF CAN AND DRY SOIL	19.81	20.43	21.90		16.39	13.83	
WT. OF WATER	3.25	3.92	4.64		1.64	1.56	
WT. OF CAN	9.96	9.23	9.99		9.98	7.54	
WT. OF DRY SOIL	9.85	11.20	11.91		6.41	6.29	
PERCENT MOISTURE	32.99	35.00	38.96		25.59	24.80	
NO. OF BLOWS	30	20	10		Average = 25.20		

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
34	25	9

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

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Telephone No. 85-61-42

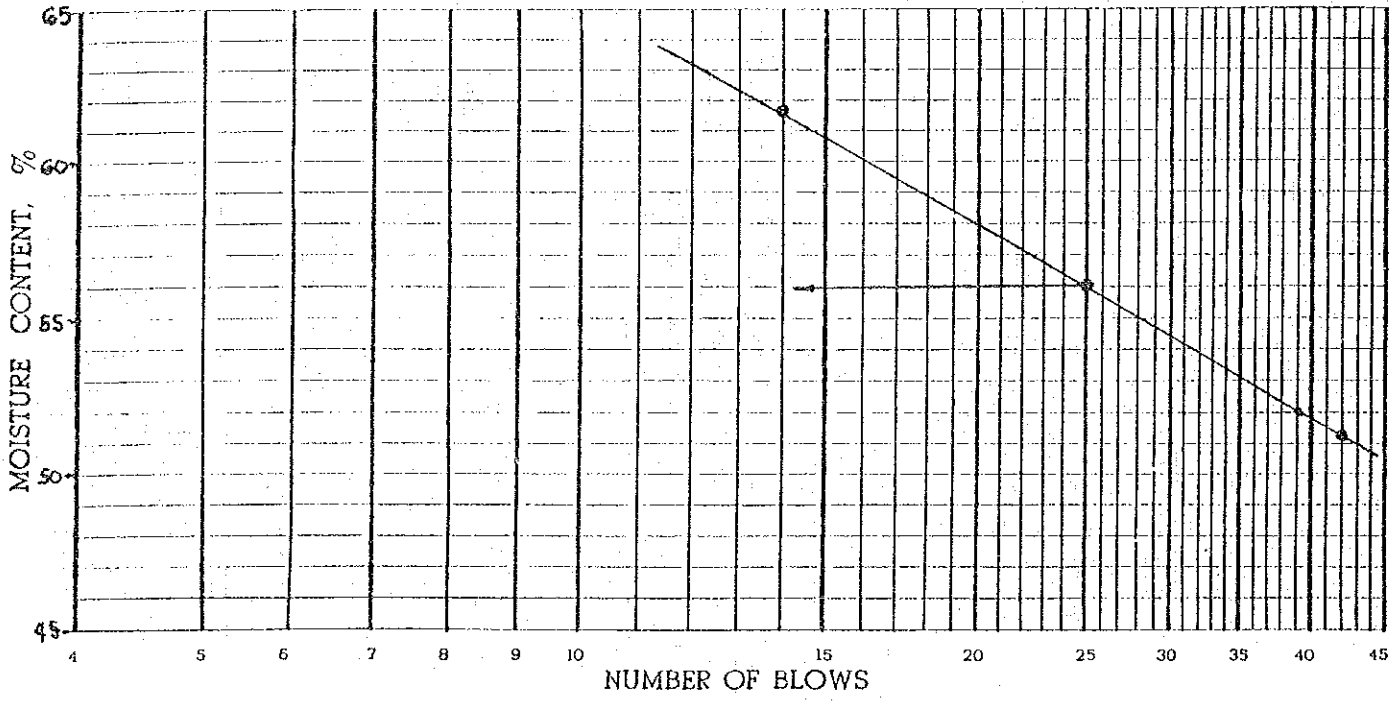
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center	LAB. NO.
MATERIAL: BH-3, SPT-1, SPT-2, SPT-3	T. R. NO.
TESTED BY: ROSEMARIE E. PAJARES/Sr. Lab. Tech.	DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	E	24	9		18 A	10	
WT OF CAN AND WET SOIL	22.03	22.59	23.70		12.00	13.15	
WT. OF CAN AND DRY SOIL	17.68	17.99	18.38		10.88	12.05	
WT. OF WATER	4.35	4.60	5.32		1.12	1.10	
WT. OF CAN	9.31	9.70	9.77		6.27	7.47	
WT. OF DRY SOIL	8.37	8.29	8.61		4.61	4.58	
PERCENT MOISTURE	51.97	55.49	61.79		24.30	24.02	
NO. OF BLOWS	39	26	14		Average = 24.16		

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
56	24	32

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

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Telephone No. 85-61-42

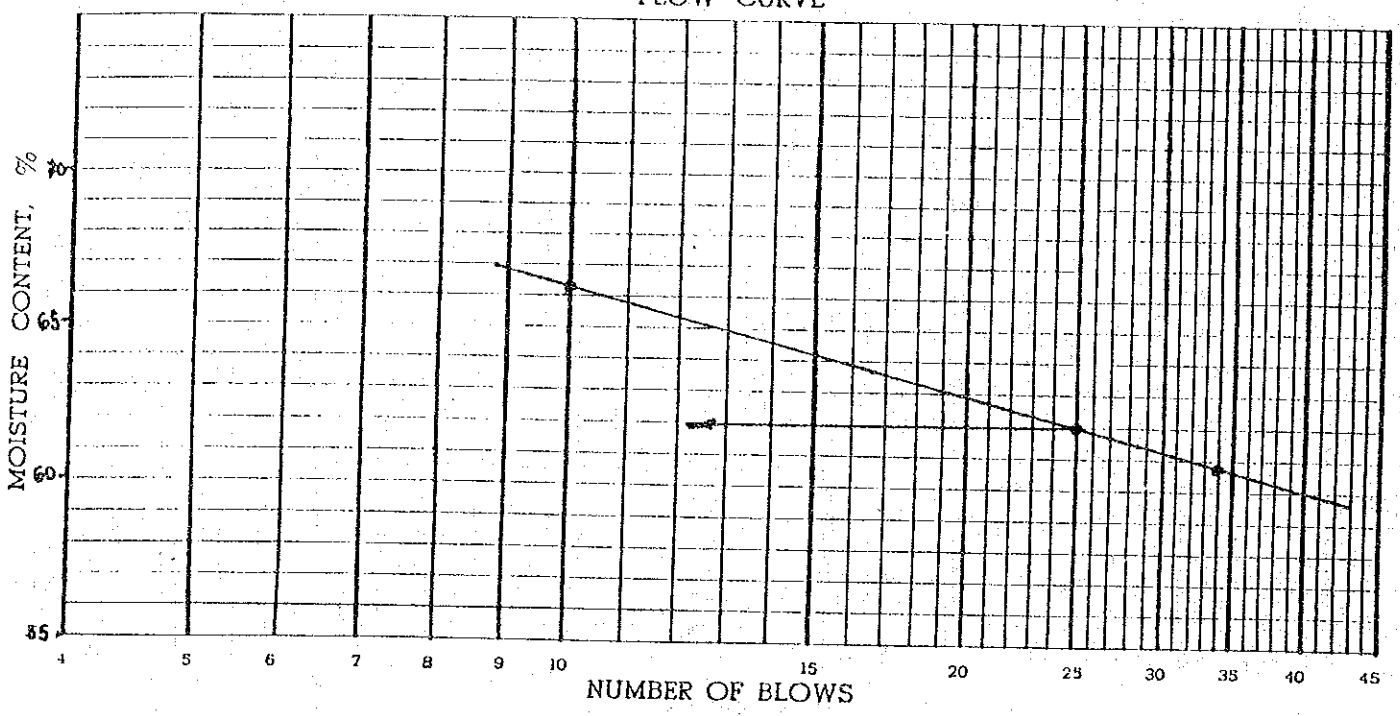
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center
LAB. NO.:
MATERIAL: BH-4A, SPT-1, SPT-2, SPT-3
T. R. NO.:
TESTED BY: ROSEMARIE PAJARES/Sr. Lab. Tech.
DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	25	16	12		4 A	7	
WT. OF CAN AND WET SOIL	21.16	23.40	21.90		13.36	13.48	
WT. OF CAN AND DRY SOIL	16.00	18.14	16.22		12.15	12.29	
WT. OF WATER	5.16	5.26	5.68		1.21	1.19	
WT. OF CAN	7.51	9.70	7.63		7.37	7.53	
WT. OF DRY SOIL	8.49	8.44	8.59		4.78	4.76	
PERCENT MOISTURE	60.78	62.32	66.12		25.32	25.00	
NO. OF BLOWS	34	23	10		Average = 25.16		

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
62	25	37

COMPUTED BY: REP — DATE: 1/24/83 — CHECKED BY: ETR — DATE: 1/25/83

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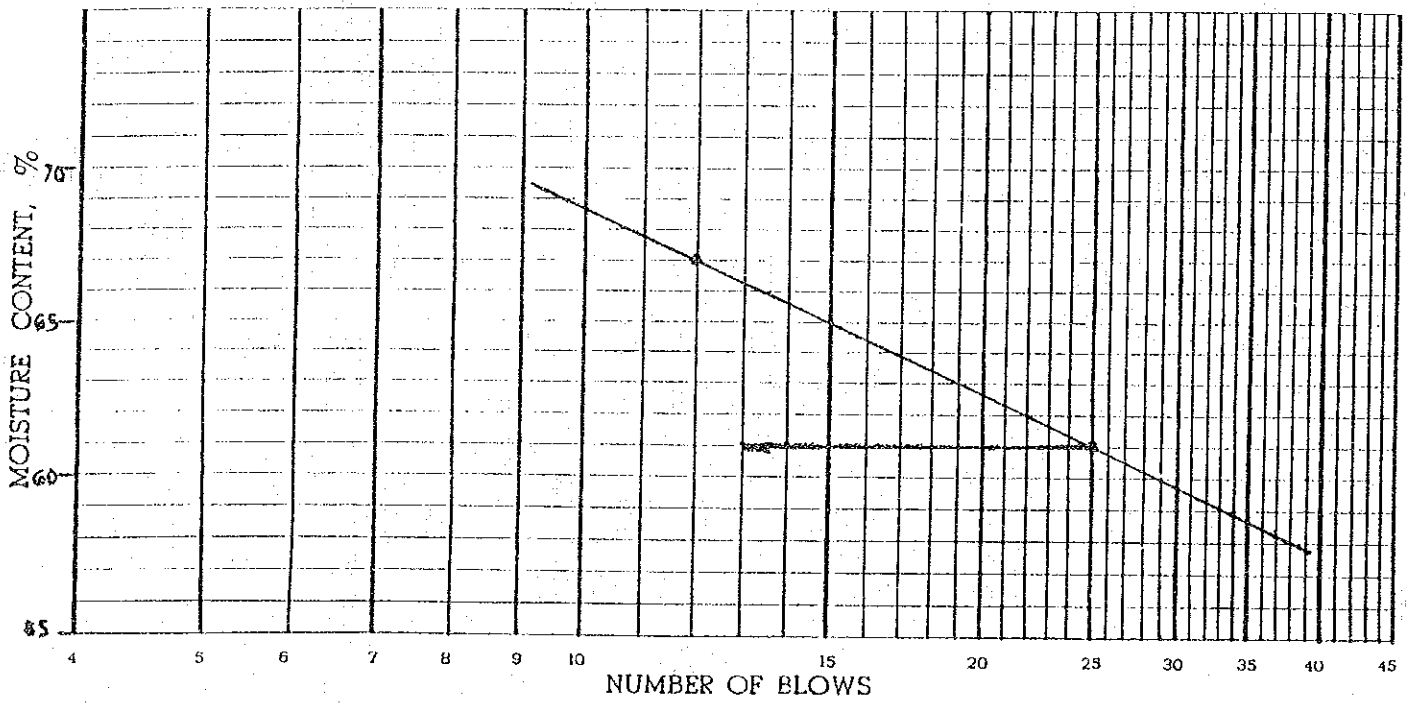
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center	LAB. NO.
MATERIAL: BH-4B, SPT-1, SPT-2, SPT-3	T. R. NO.
TESTED BY: ROSEMARIE PAJARES/Sr. Lab. Tech.	DATE: Jan. 22, 1983

	LIQUID LIMIT			PLASTIC LIMIT	
TRIAL NO.	1	2	3	1	2
CAN NO.	23	11 A	19 A	15	8
WT. OF CAN AND WET SOIL	22.99	23.62	20.90	15.24	12.25
WT. OF CAN AND DRY SOIL	18.17	18.08	15.09	14.08	11.15
WT. OF WATER	4.82	5.54	5.81	1.16	1.10
WT. OF CAN	10.03	9.25	6.42	9.70	6.92
WT. OF DRY SOIL	8.14	8.83	8.67	4.38	4.23
PERCENT MOISTURE	59.21	62.74	67.01	26.48	26.00
NO. OF BLOWS	34	20	12	Average = 26.24	

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
61	26	35

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

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Telephone No. 85-61-42

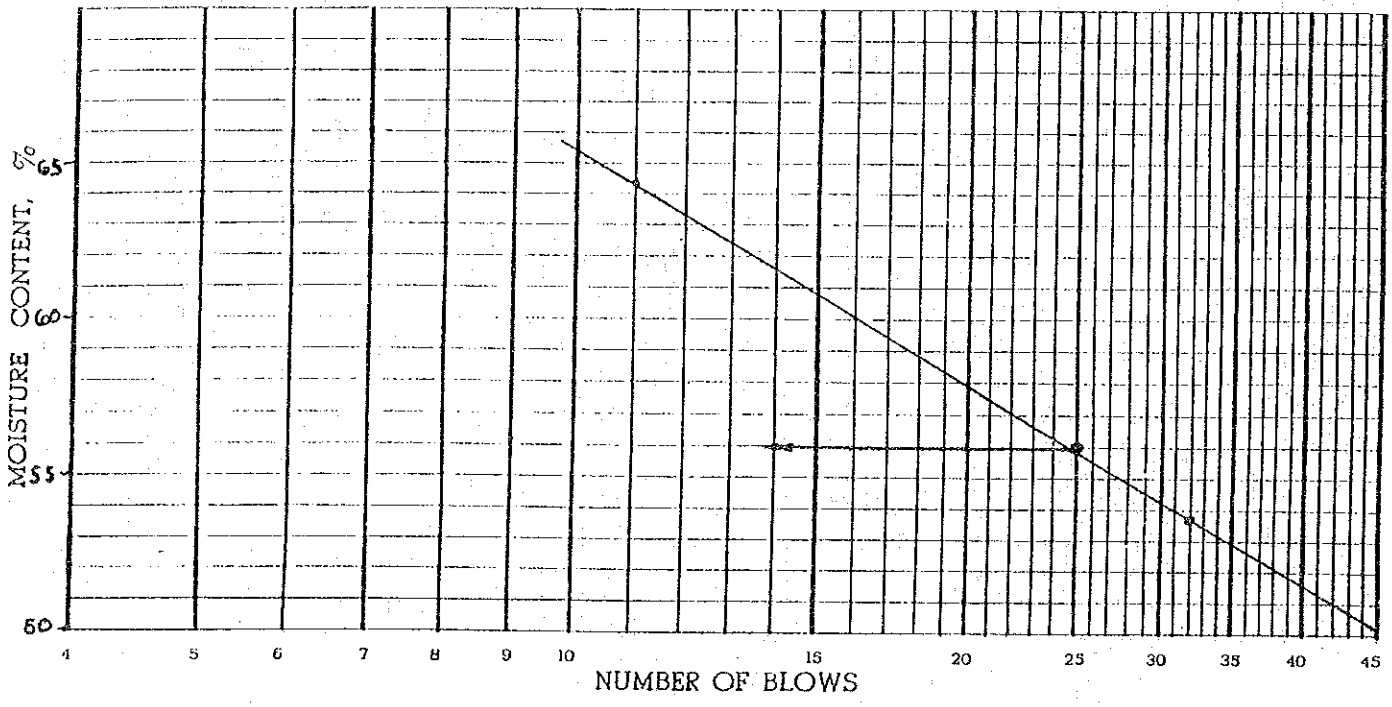
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT	Philippine Refugee Processing Center	LAB. NO.	
MATERIAL	BH-6, SPT-1 (0.7 - 1.0 M)	T. R. NO.	
TESTED BY	Rosemarie Pajares/Sr. Lab. Tech.	DATE	Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	4	10	18 A		19	23	
WT OF CAN AND WET SOIL	21.57	19.13	17.87		13.57	17.09	
WT. OF CAN AND DRY SOIL	17.41	14.89	13.33		12.04	15.59	
WT. OF WATER	4.16	4.24	4.54		1.53	1.50	
WT. OF CAN	9.71	7.47	6.27		6.42	10.03	
WT. OF DRY SOIL	7.70	7.42	7.06		5.62	5.56	
PERCENT MOISTURE	54.03	57.14	64.31		27.22	26.98	
NO OF BLOWS	32	22	11		Average = 27.10		

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
56	27	29

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

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Telephone No. 85-61-42

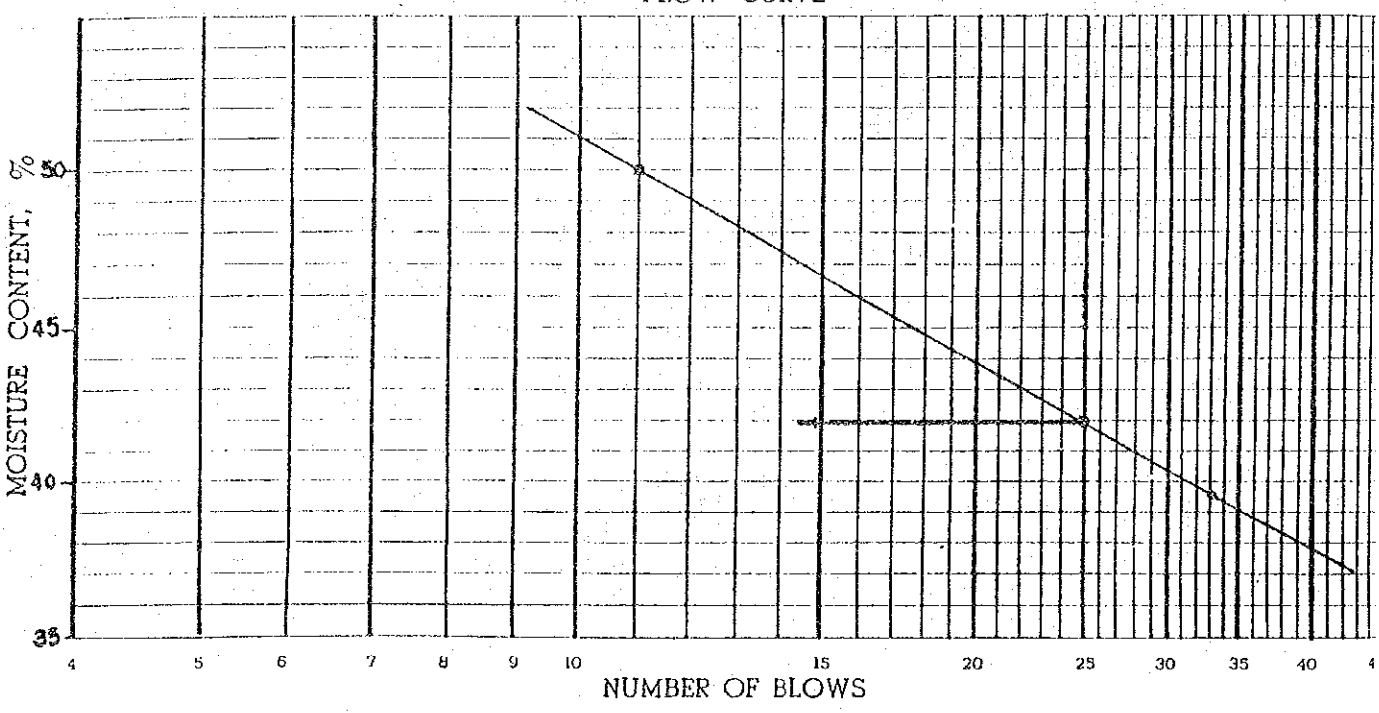
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT	Philippine Refugee Processing Center	LAB. NO.	
MATERIAL	BH-6, SPT-2 (1.7 - 2.0 m)	T. R. NO.	
TESTED BY	ROSEMARIE PAJARES/Sr. Lab. Tech.	DATE	Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	15	9	18 A		25	E	
WT. OF CAN AND WET SOIL	20.69	20.64	16.65		14.47	16.16	
WT. OF CAN AND DRY SOIL	17.55	17.39	13.19		12.86	14.58	
WT. OF WATER	3.14	3.25	3.46		1.61	1.58	
WT. OF CAN	9.70	9.77	6.27		7.51	9.31	
WT. OF DRY SOIL	7.85	7.62	6.92		5.35	5.27	
PERCENT MOISTURE	40.00	42.65	50.00		30.09	29.98	
NO OF BLOWS	33	24	11		Average = 30.04		

FLOW CURVE



LIQUID LIMIT	42	PLASTIC LIMIT	30	PLASTICITY INDEX	12
COMPUTED BY	REP	DATE	1/24/83	CHECKED BY	ER
DATE	1/25/83				

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GEOTECHNICAL & MATERIALS ESTING ENGINEERING

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Telephone No. 85-61-42

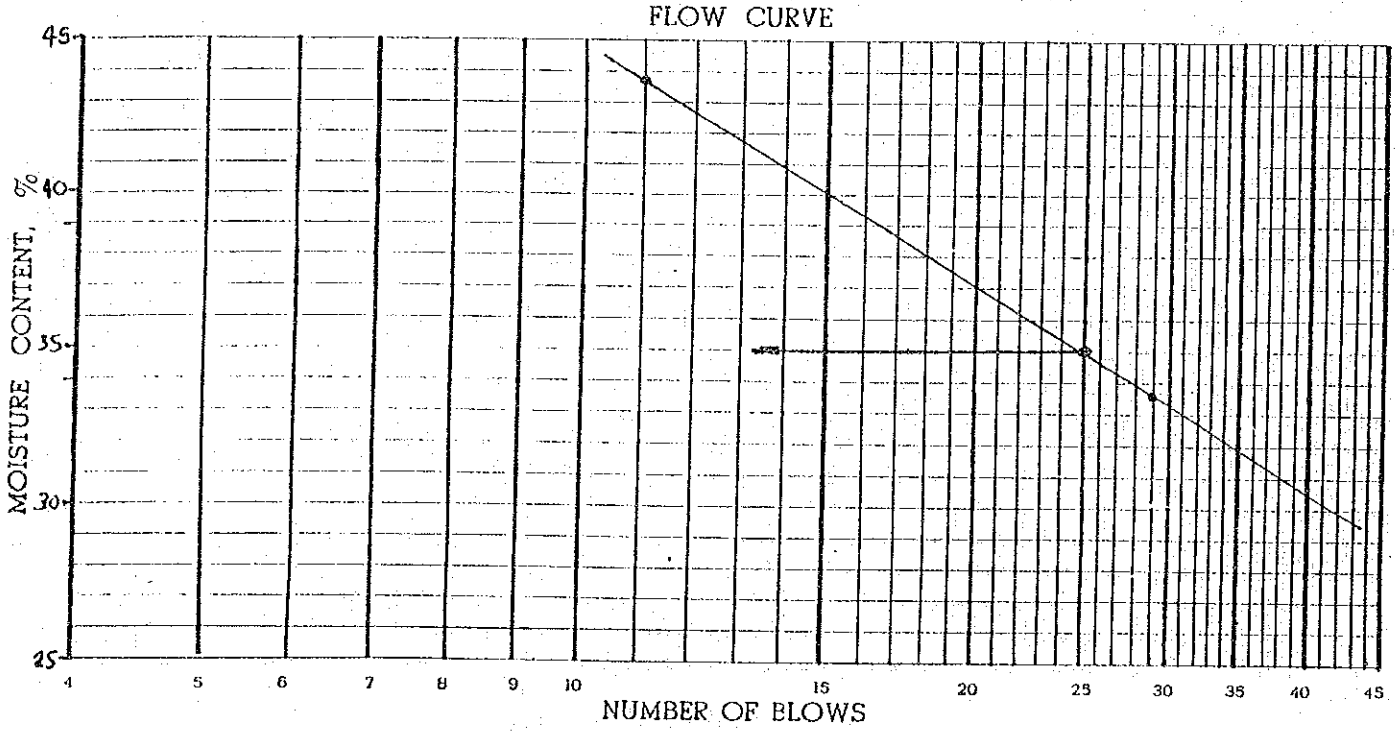
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT	Philippine Refugee Processing Center
MATERIAL	BH-6, SPT-3 (2.7 - 3.0 m)
TESTED BY	ROSEMARIE PAJARES/Sr. Lab. Tech.
LAB. NO.	
T. R. NO.	
DATE	Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	25	23	1B		12	A	
WT OF CAN AND WET SOIL	21.19	26.09	21.43		12.91	14.86	
WT. OF CAN AND DRY SOIL	17.79	21.97	16.79		11.79	13.76	
WT. OF WATER	3.40	4.12	4.64		1.12	1.10	
WT. OF CAN	7.54	10.05	6.20		7.68	9.69	
WT. OF DRY SOIL	10.25	11.92	10.59		4.11	4.07	
PERCENT MOISTURE	33.17	34.56	43.81		27.25	27.03	
NO. OF BLOWS	31	26	11		Average = 27.14		

FLOW CURVE



LIQUID LIMIT	35	PLASTIC LIMIT	27	PLASTICITY INDEX	8
COMPUTED BY	REP	DATE	1/24/83	CHECKED BY	ETR
DATE	1/25/83				

NPPSBO GUAM

GEOTESTING (INTERNAT NAL) INC.
GEOTECHNICAL & MATERIALS ESTING ENGINEERING

Suite 101 1679 Dian St., Metro Mani
Telephone No. 85-61-42

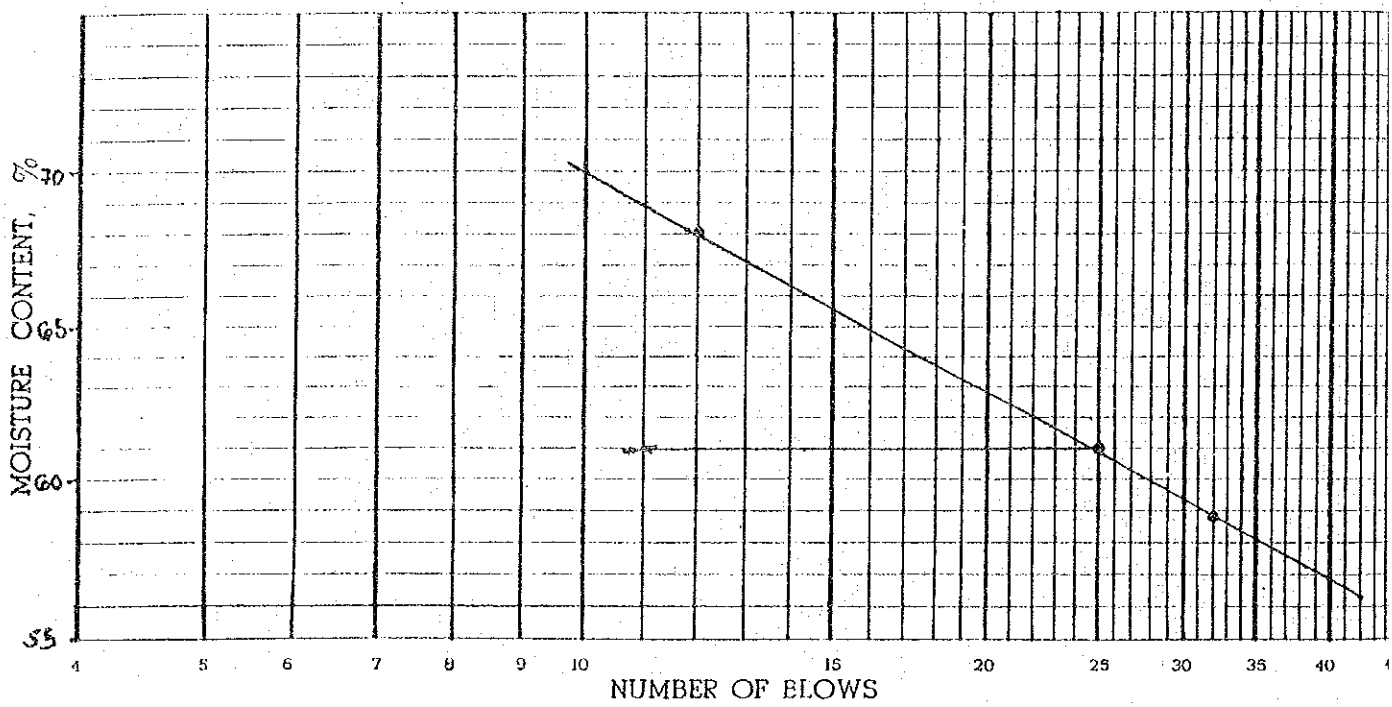
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center
LAB. NO.:
MATERIAL: BH-7, SPT-1, SPT-3, SPT-2
T. R. NO.:
TESTED BY: ROSEMARIE PAJRES/Sr. Lab. Tech.
DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT	
TRIAL NO.	1	2	3		1	2
CAN NO.	15	6	3		12	23
WT OF CAN AND WET SOIL	23.55	23.61	26.02		12.13	14.44
WT. OF CAN AND DRY SOIL	18.41	18.13	19.52		11.15	13.48
WT. OF WATER	5.14	5.48	6.50		0.98	0.96
WT. OF CAN	9.73	9.23	9.98		7.68	10.05
WT. OF DRY SOIL	8.68	8.90	9.54		3.47	3.43
PERCENT MOISTURE	59.22	61.57	68.13		28.24	27.99
NO. OF BLOWS	32	24	12		Average	= 28.12

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
61	28	33

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

NPPSBO GUA

GEOTESTING (INTERNAT 'NAL) INC.
GEOTECHNICAL & MATERIALS . ESTING ENGINEERING

S 101 1679 Dian St., Metro Manila
Telephone No. 85-61-12

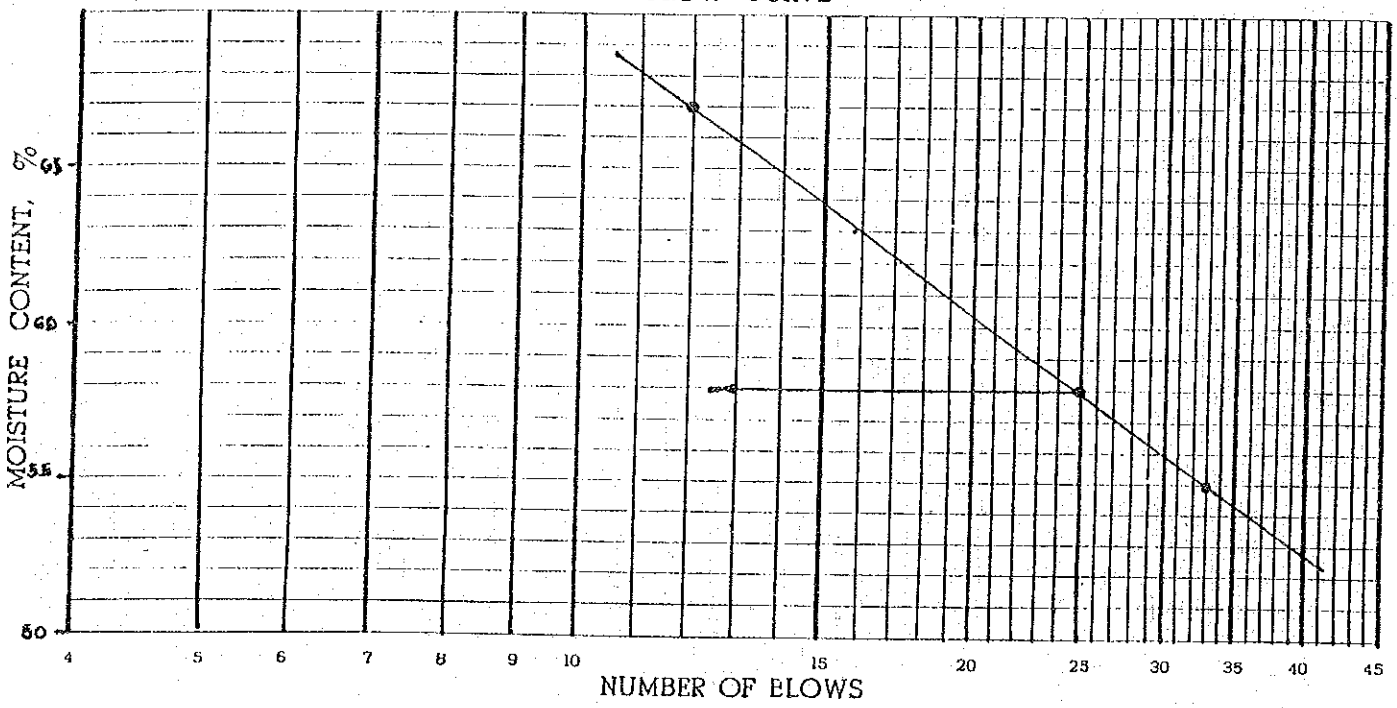
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center	LAB. NO.
MATERIAL: BH-8, SPT-1, SPT-2	T. R. NO.
TESTED BY: ROSEMARIE PAJARES/Sr. Lab. Tech.	DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	25	23	8		24 A	1 B	
WT OF CAN AND WET SOIL	19.35	22.78	19.29		11.05	10.86	
WT. OF CAN AND DRY SOIL	15.10	18.14	14.37		10.07	9.90	
WT. OF WATER	4.25	4.64	4.92		0.98	0.96	
WT. OF CAN	7.51	10.03	6.92		6.33	6.21	
WT. OF DRY SOIL	7.59	8.11	7.45		3.74	3.69	
PERCENT MOISTURE	55.99	57.21	66.04		26.20	26.02	
NO OF BLOWS	33	27	12		Average = 26.11		

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
58	26	32

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

NPPSBO GUAM

GEOTESTING (INTERNAT NAL) INC.
GEOTECHNICAL & MATERIALS STING ENGINEERING

S 101 1679 Dian St., Metro Manila
Telephone No. 85-61-12

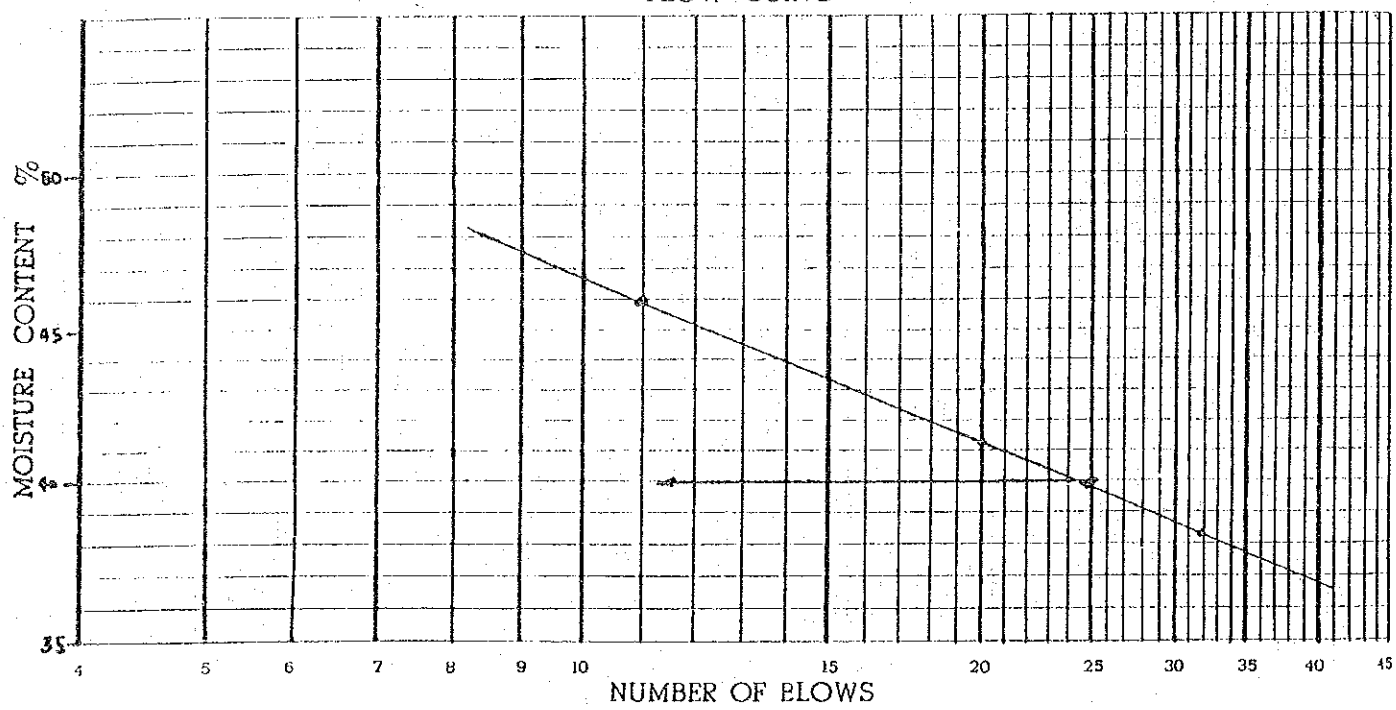
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center	LAB. NO.
MATERIAL: BH-8, SPT-3	T. R. NO.
TESTED BY: ROSEMARIE PAJARES/Sr. Lab. Tech.	DATE: Jan. 22, 1983

	LIQUID LIMIT			PLASTIC LIMIT	
TRIAL NO.	1	2	3	1	2
CAN NO.	8	14	7	16	24
WT. OF CAN AND WET SOIL	19.16	21.36	20.99	17.07	17.06
WT. OF CAN AND DRY SOIL	15.74	17.87	16.75	15.43	15.46
WT. OF WATER	3.42	3.49	4.24	1.64	1.60
WT. OF CAN	6.92	9.47	7.53	9.70	9.70
WT. OF DRY SOIL	8.82	8.40	9.22	5.73	5.76
PERCENT MOISTURE	38.78	41.55	45.99	28.62	27.78
NO. OF BLOWS	32	20	11	Average = 28.20	

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
40	28	12

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

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GEOTECHNICAL & MATERIALS ESTING ENGINEERING

S 101 1679 Dian St., Metro Manila
Telephone No. 85-61-42

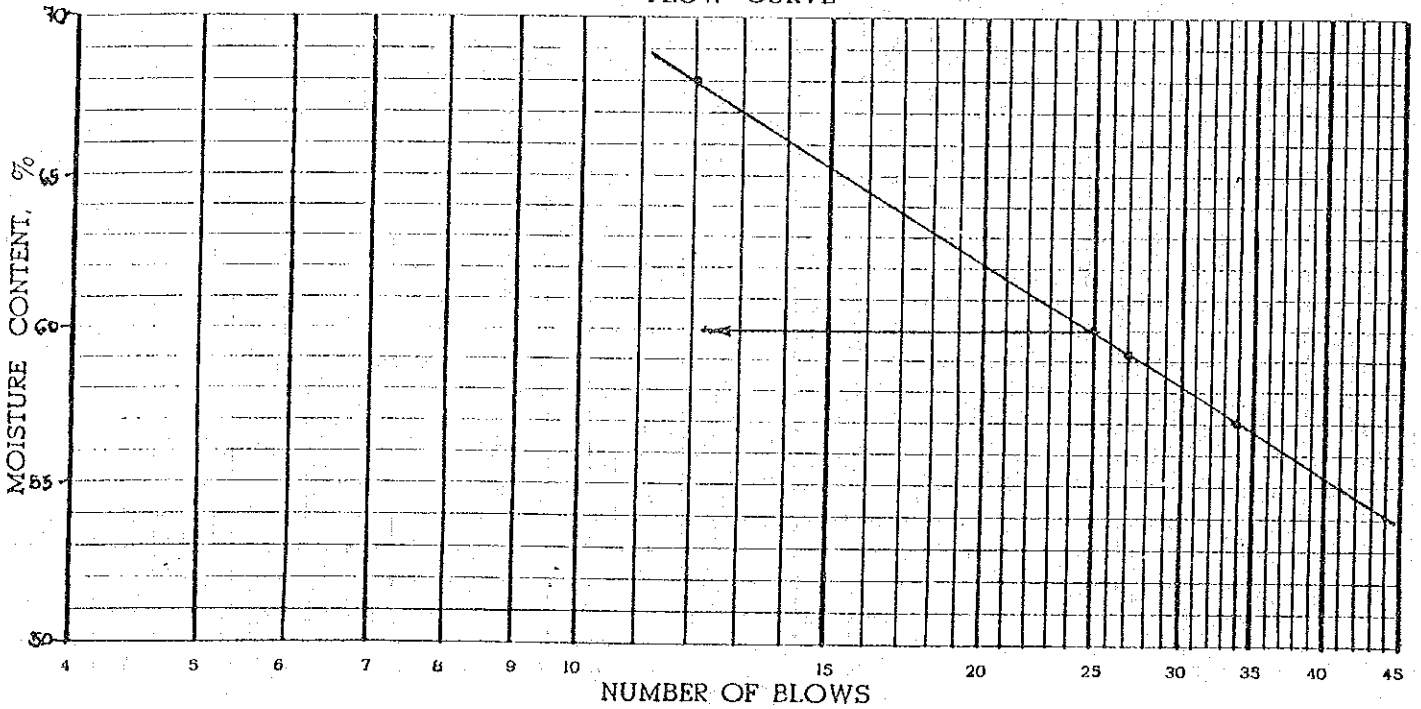
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center	LAB. NO.
MATERIAL: BH-9, SPT-1, SPT-2, SPT-3	T. R. NO.
TESTED BY: ROSEMARIE PAJARES/Sr. Lab. Tech.	DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	13 A	10	24 A		12	1 B	
WT OF CAN AND WET SOIL	23.78	21.87	20.20		15.20	13.68	
WT. OF CAN AND DRY SOIL	18.66	16.51	14.56		13.59	12.09	
WT. OF WATER	5.12	5.36	5.64		1.61	1.59	
WT. OF CAN	9.68	7.47	6.33		7.68	6.20	
WT. OF DRY SOIL	8.98	9.04	8.23		5.91	5.89	
PERCENT MOISTURE	57.02	59.29	68.53		27.24	26.99	
NO OF BLOWS	34	27	12		Average = 27.12		

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
60	27	33

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

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GEOTESTING (INTERNAT `NAL) INC.
GEOTECHNICAL & MATERIALS .ESTING ENGINEERING

S › 101 1679 Dian St., Metro Manila
Telephone No. 85-61-12

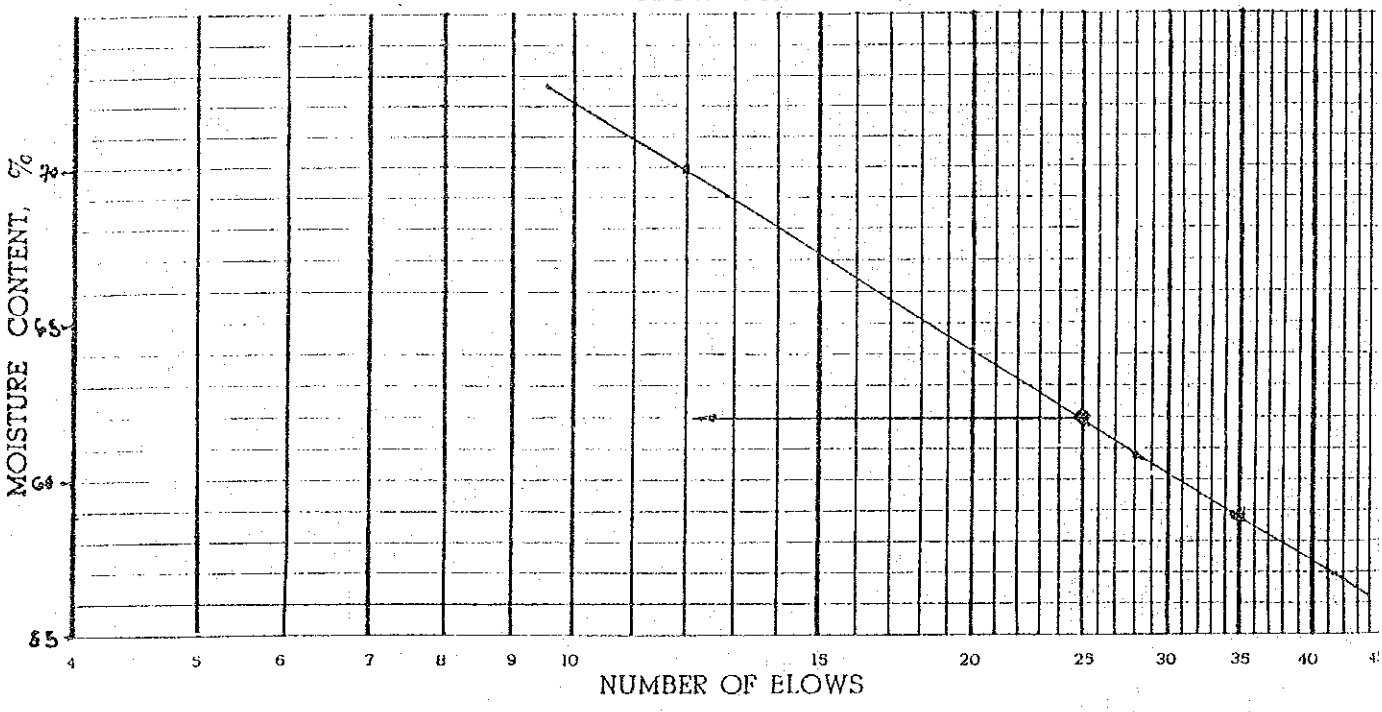
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT	Philippine Refugee Processing Center
MATERIAL	BH-10, SPT-1, SPT-2, SPT-3
TESTED BY	ROSEMARIE PAJARES/Sr. Lab. Tech.
LAB. NO.	
T. R. NO.	
DATE	Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT	
TRIAL NO.	1	2	3		1	2
CAN NO.	25	A	12		4	24
WT. OF CAN AND WET SOIL	21.44	23.55	22.42		17.44	17.36
WT. OF CAN AND DRY SOIL	16.30	18.30	16.30		15.83	15.78
WT. OF WATER	5.14	5.25	6.12		1.61	1.58
WT. OF CAN	7.54	9.69	7.68		9.71	9.70
WT. OF DRY SOIL	8.76	8.61	8.62		6.12	6.08
PERCENT MOISTURE	58.68	60.98	71.00		26.31	25.99
NO. OF BLOWS	35	28	12		Average = 26.15	

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
62	26	36

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/25/83	ETR	1/25/83

NPPSBO GUAM

GEOTESTING (INTERNAT NAL) INC.
GEOTECHNICAL & MATERIALS . STING ENGINEERING

S 101 1679 Dian St., Metro Manila
Telephone No. 85-61-42

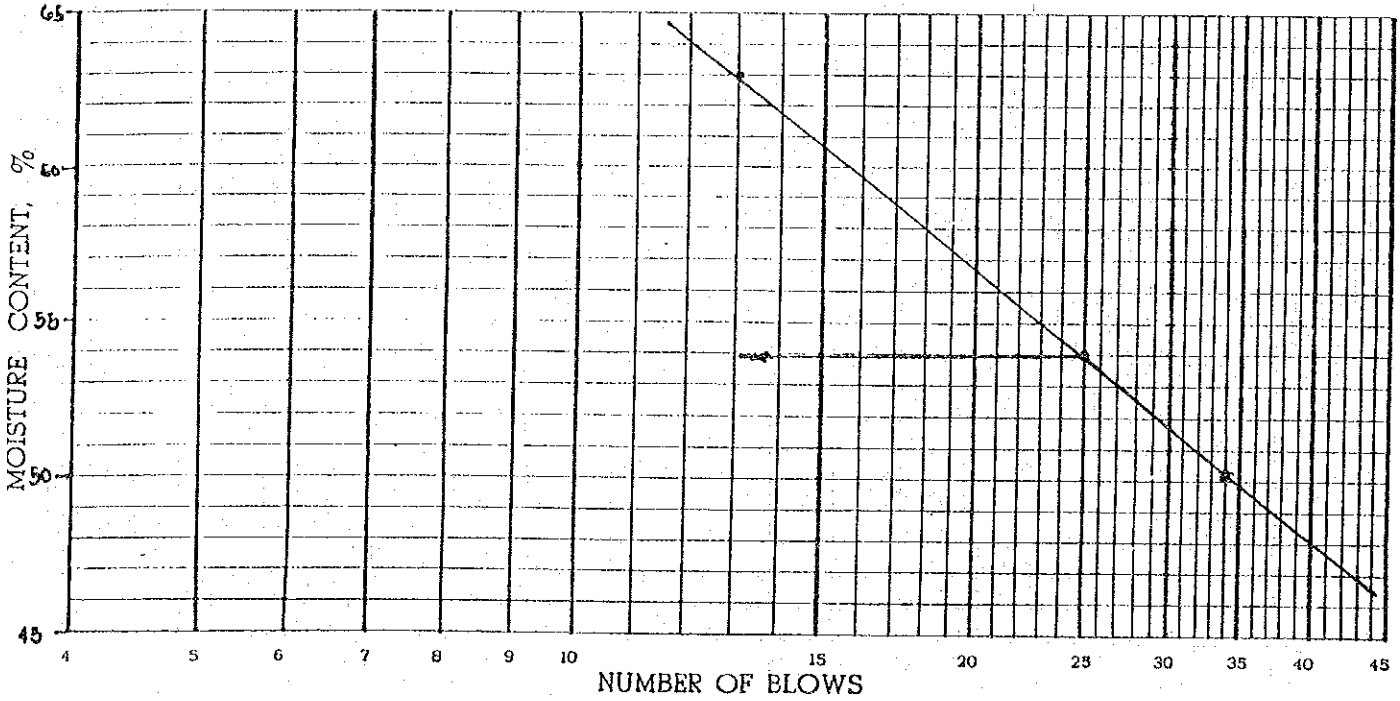
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center
LAB. NO.:
MATERIAL: BH-11, SPT-1, SPT-2
T. R. NO.:
TESTED BY: ROSEMARIE PAJARES/Sr. Lab. Tech.
DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	2	13	25		9	6	
WT. OF CAN AND WET SOIL	18.55	20.32	20.87		18.02	17.37	
WT. OF CAN AND DRY SOIL	14.42	15.90	15.73		16.31	15.69	
WT. OF WATER	4.13	4.42	5.14		1.71	1.68	
WT. OF CAN	6.19	7.65	7.54		9.81	9.23	
WT. OF DRY SOIL	8.23	8.25	8.19		6.50	6.46	
PERCENT MOISTURE	50.18	53.58	62.76		26.31	26.01	
NO. OF BLOWS	34	26	13		Average = 26.16		

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
54	26	28

COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

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GEOTECHNICAL & MATERIALS ESTING ENGINEERING

S 101 1679 Dian St, Metro Manila
Telephone No. 85-61-42

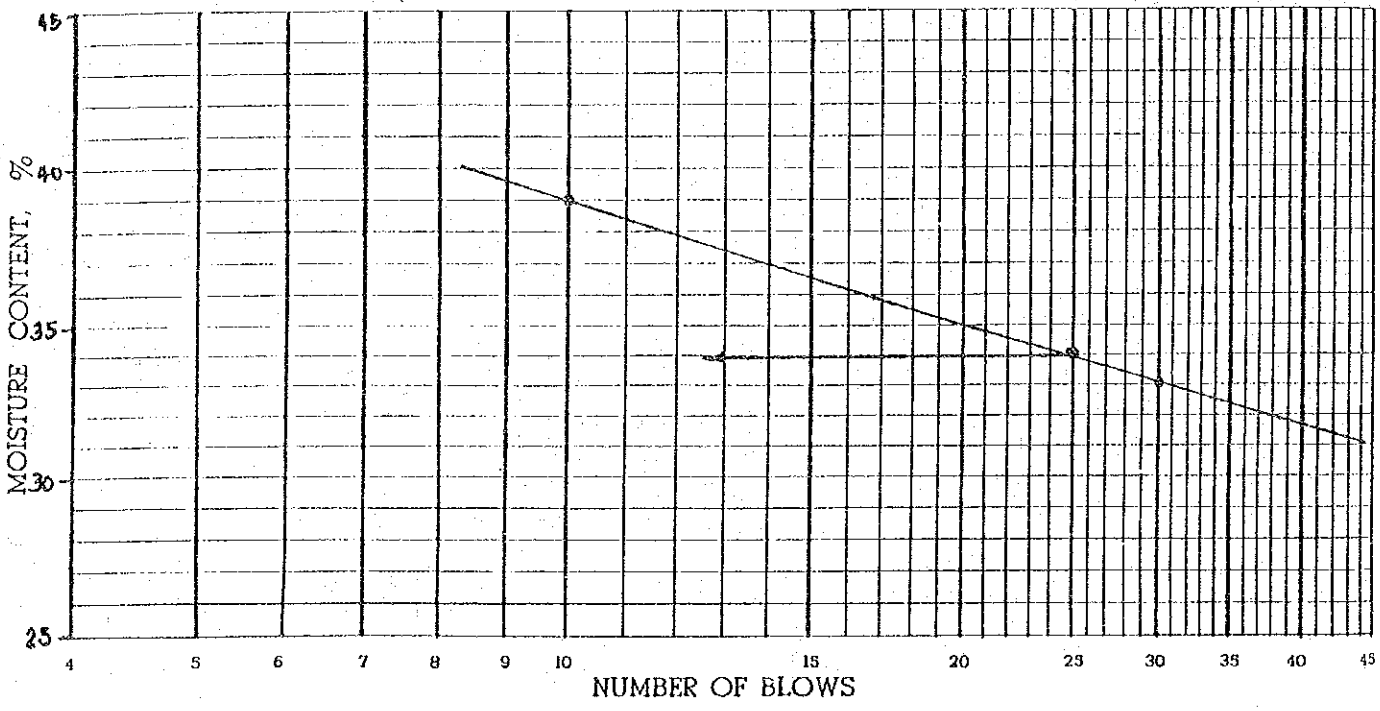
LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :
Date :

PROJECT: Philippine Refugee Processing Center
LAB. NO.:
MATERIAL: BH-11, SPT-3 (2.7 - 3.0 m)
T. R. NO.:
TESTED BY: ROSEMARIE PAJARES/Sr. Lab. Tech.
DATE: Jan. 22, 1983

	LIQUID LIMIT				PLASTIC LIMIT		
TRIAL NO.	1	2	3		1	2	
CAN NO.	3	10	A		24 A	11 A	
WT. OF CAN AND WET SOIL	22.47	20.16	21.87		15.84	18.81	
WT. OF CAN AND DRY SOIL	19.37	16.90	18.41		13.92	16.91	
WT. OF WATER	3.10	3.26	3.46		1.92	1.90	
WT. OF CAN	9.98	7.47	9.69		6.33	9.25	
WT. OF DRY SOIL	9.39	9.43	8.72		7.59	7.66	
PERCENT MOISTURE	33.01	34.57	39.68		25.30	24.80	
NO. OF BLOWS	30	23	10		Average = 25.05		

FLOW CURVE



LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
34	25	9

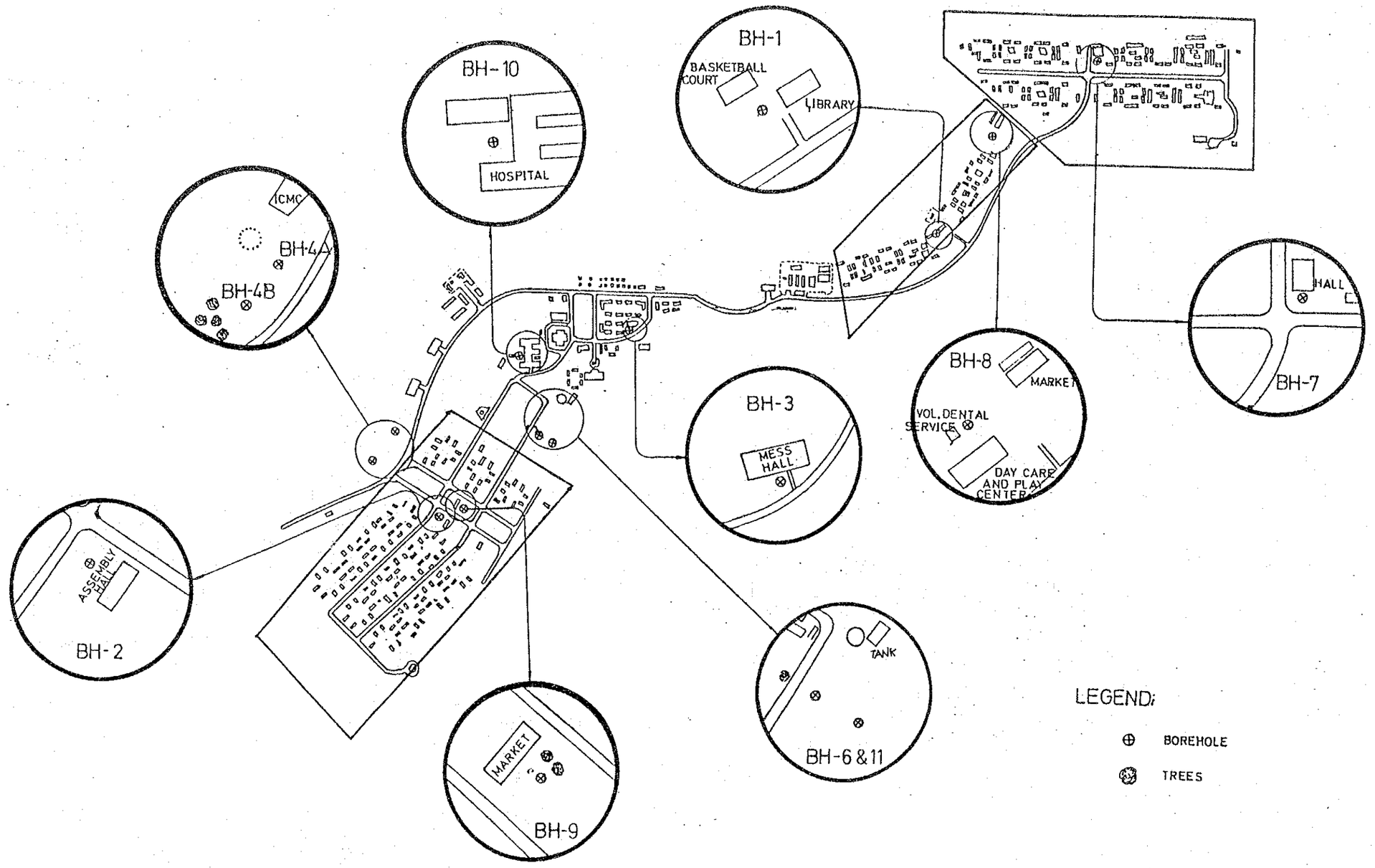
COMPUTED BY	DATE	CHECKED BY	DATE
REP	1/24/83	ETR	1/25/83

NPPSBO GUAM

PROJECT : Philippine Refugee Processing Center, Morong, Bataan

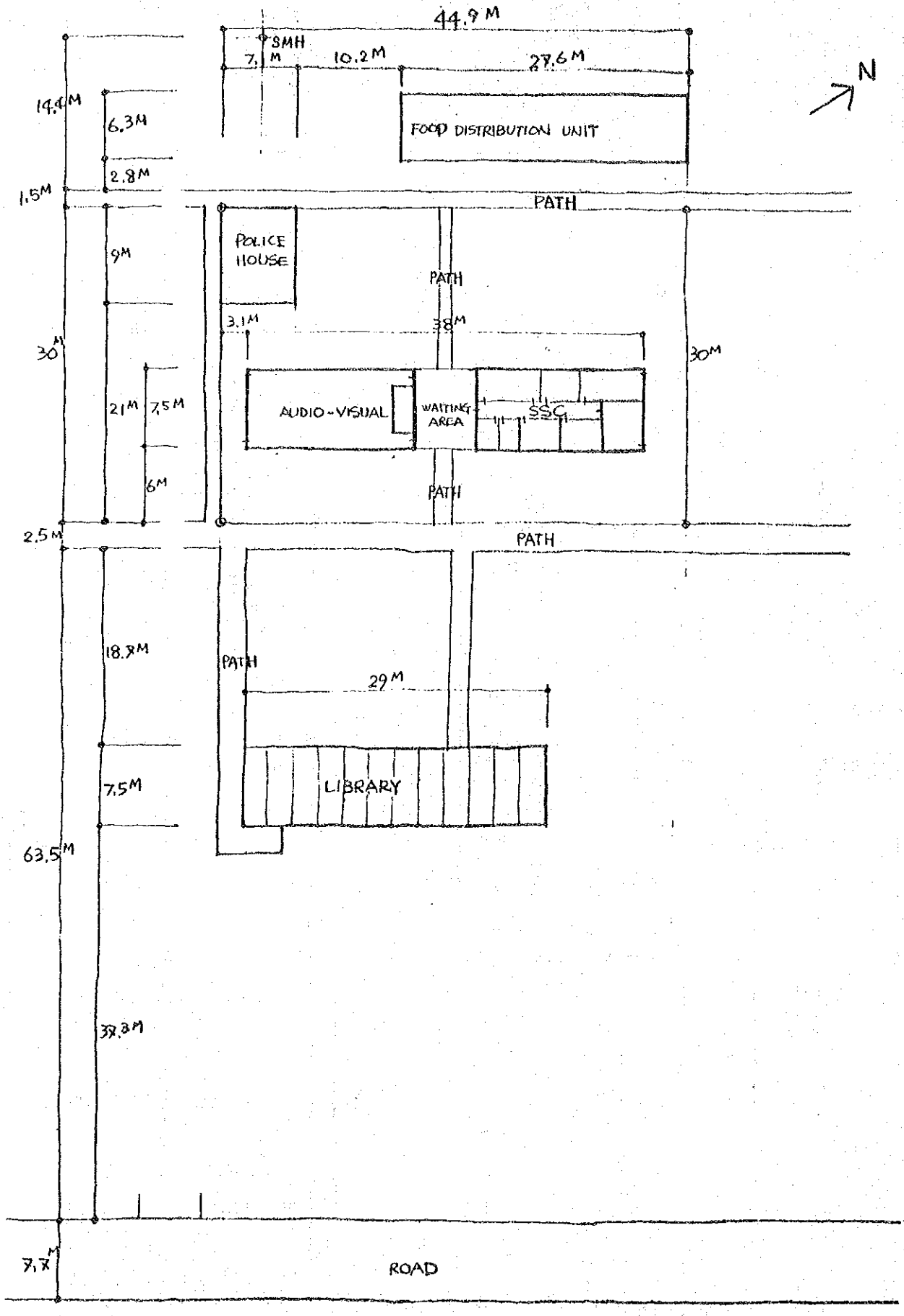
MOISTURE CONTENT RESULTS

Sample		Moisture Content, %
BH-1	SPT-1	25.43
	SPT-2	24.69
	SPT-3	31.11
BH-2	SPT-1	25.42
	SPT-2	22.50
	SPT-3	25.34
BH-3	SPT-1	26.47
	SPT-2	33.52
	SPT-3	36.16
BH-4A	SPT-1	18.89
	SPT-2	35.79
	SPT-3	15.46
BH-4B	SPT-1	22.46
	SPT-2	13.87
	SPT-3	24.00
BH-6	SPT-1	23.17
	SPT-2	19.09
	SPT-3	18.91
BH-7	SPT-1	35.48
	SPT-2	35.68
	SPT-3	35.78
BH-8	SPT-1	30.27
	SPT-2	31.86
	SPT-3	37.00
BH-9	SPT-1	22.52
	SPT-2	27.84
	SPT-3	31.46
BH-10	SPT-1	29.61
	SPT-2	27.02
	SPT-3	39.41
BH-11	SPT-1	18.12
	SPT-2	20.97
	SPT-3	31.06



PHILIPPINE REFUGEE PROCESSING CENTER	LOCATION OF BOREHOLES DRAWN NOT TO SCALE	DRAWN BY: FREDDIE J. ALCARAZ JR. MATERIALS ENGINEER

5. SURVEYED MAP OF CONSTRUCTION SITE AND EXISTING FACILITIES

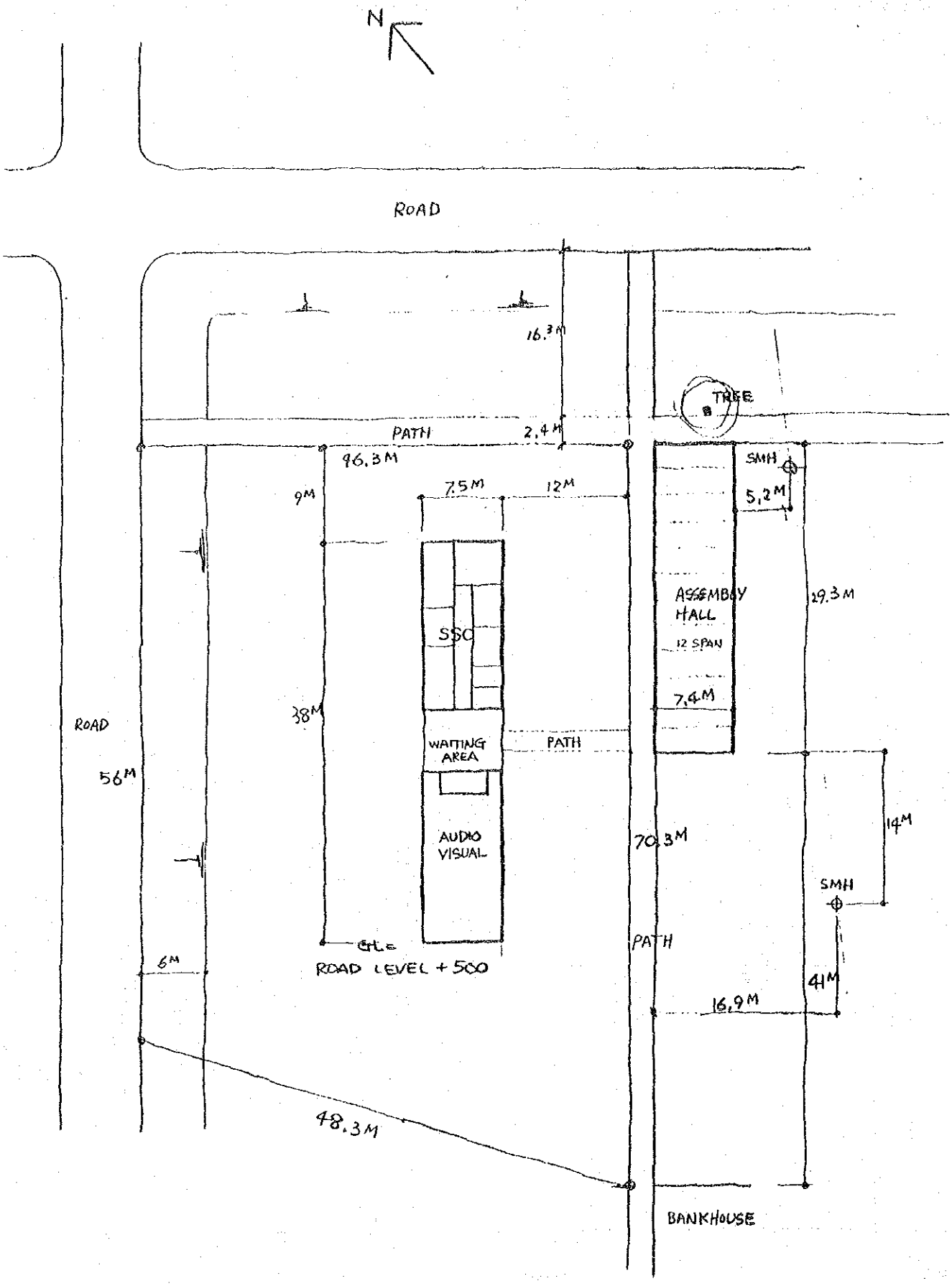


SITE PLAN S.1/500

① AUDIO-VISUAL STUDENTS SERVICE CENTER

LOCATION: PHASE-I
NBHD-5

T-1

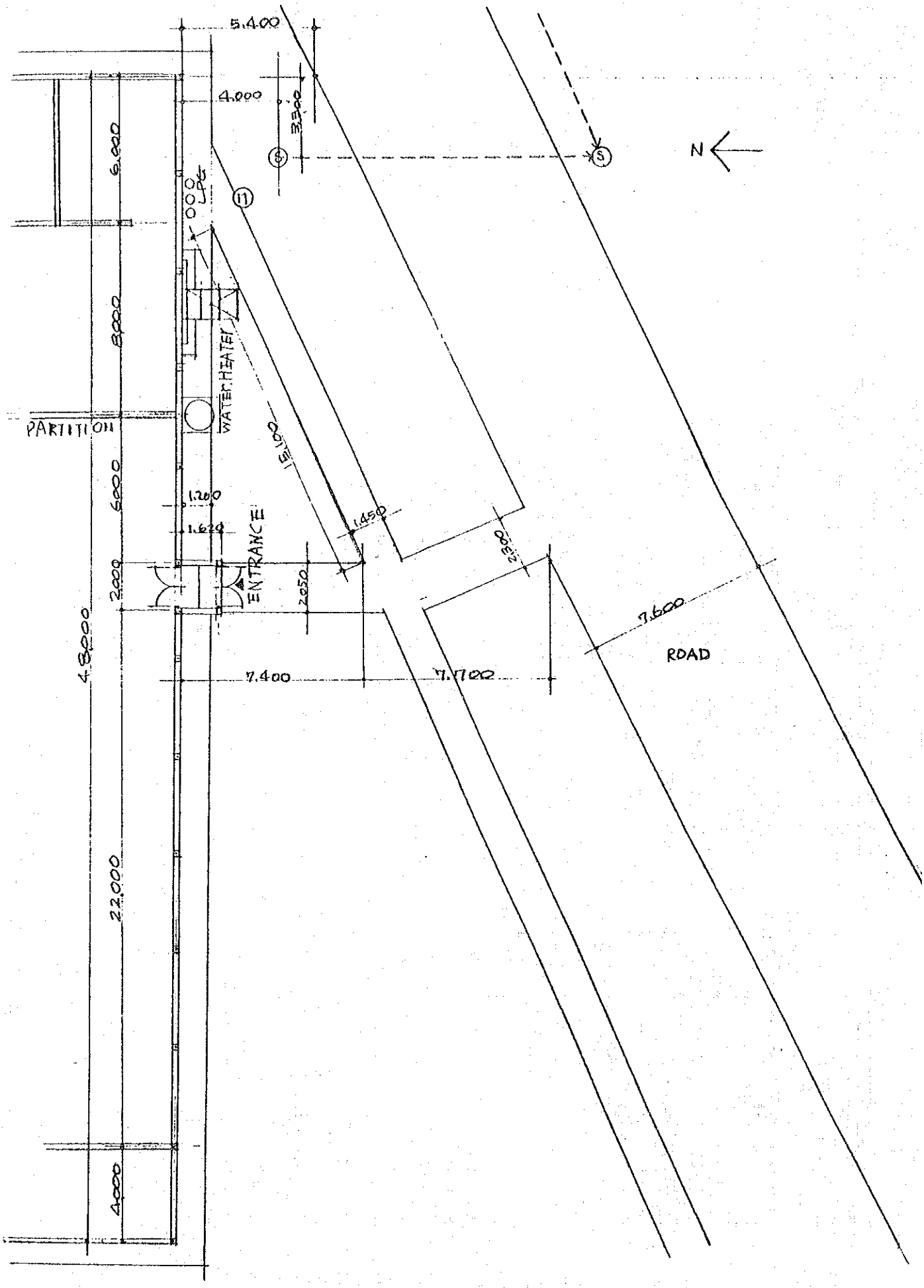


SITE PLAN S. 1/500

② AUDIO-VISUAL STUDENTS SERVICE CENTER

LOCATION : PHASE - II

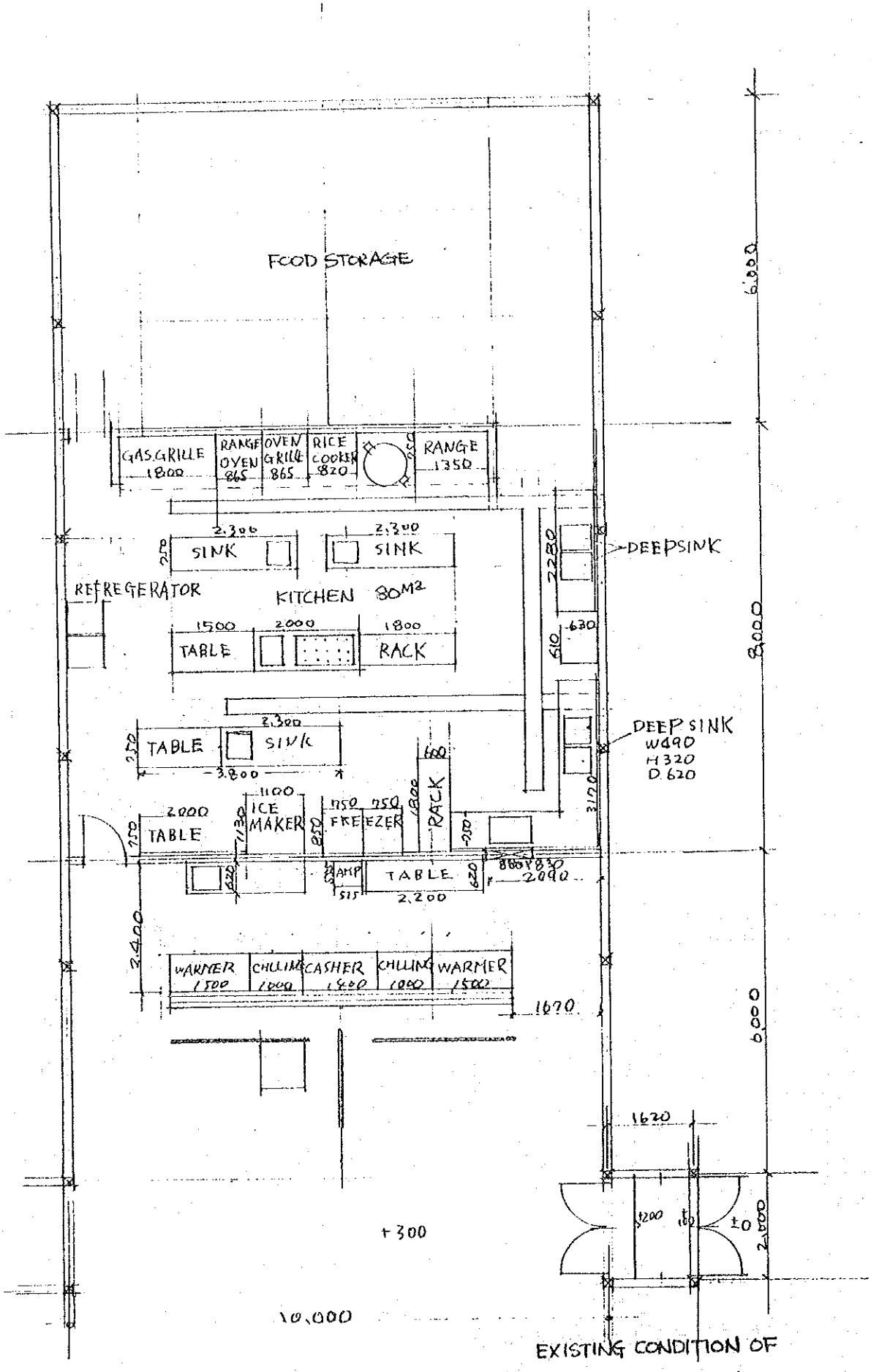
NBHD - 9



③ MESS HALL SITE PLAN S. 1/200

LOCATION : CENTRAL AREA

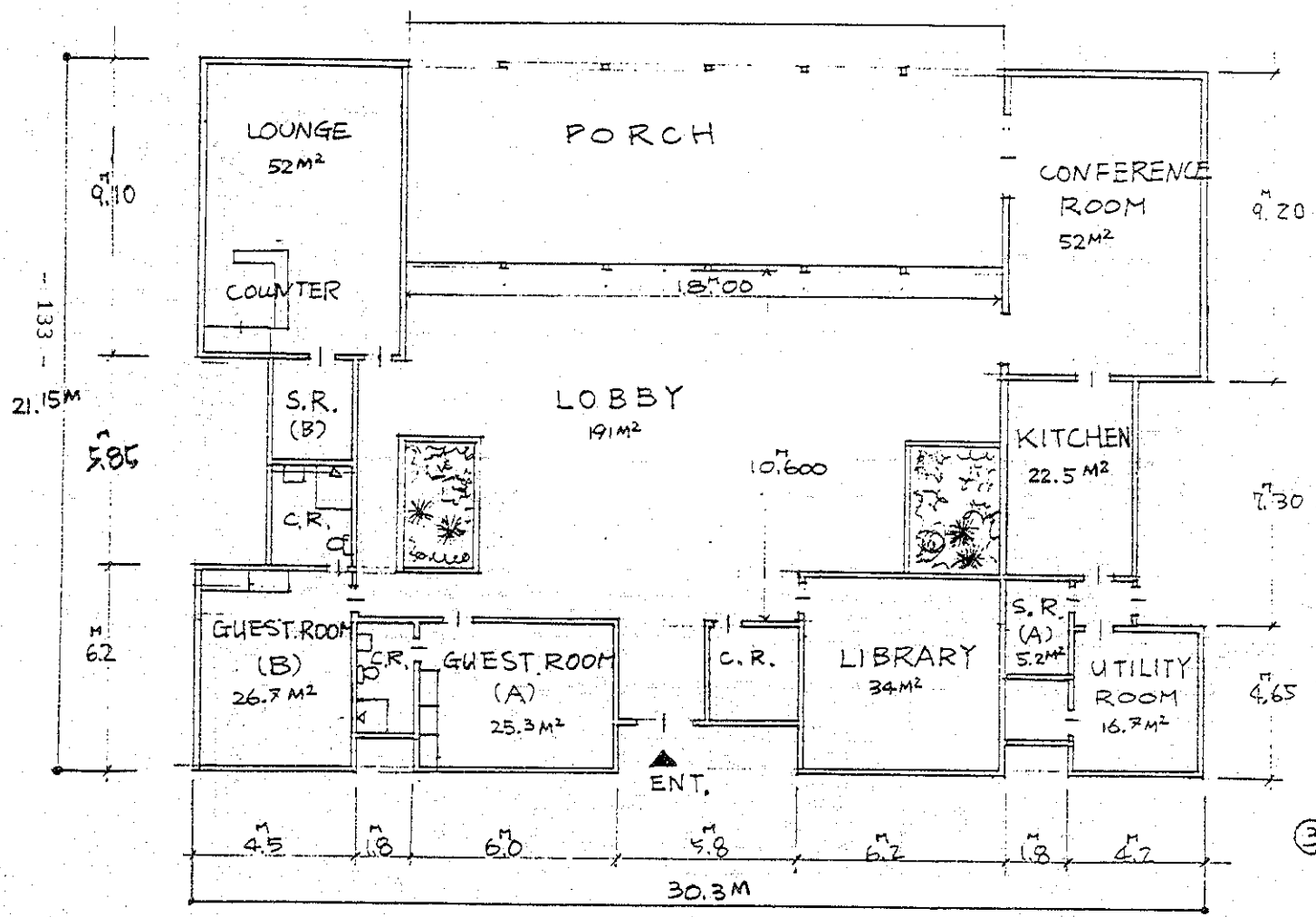
T-6



EXISTING CONDITION OF

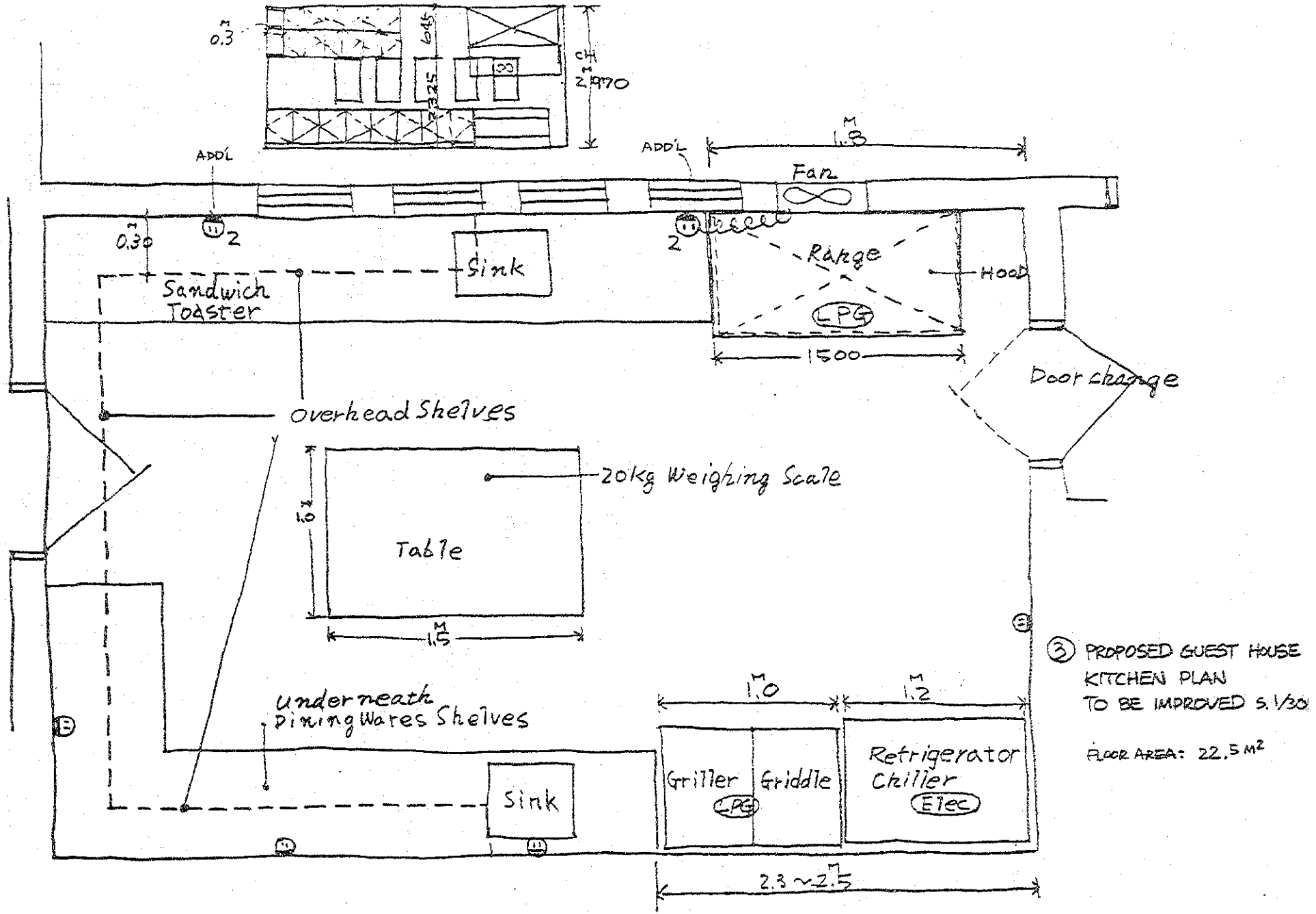
③ MESS HALL KITCHEN S. 1/100

LOCATION : CENTRAL AREA



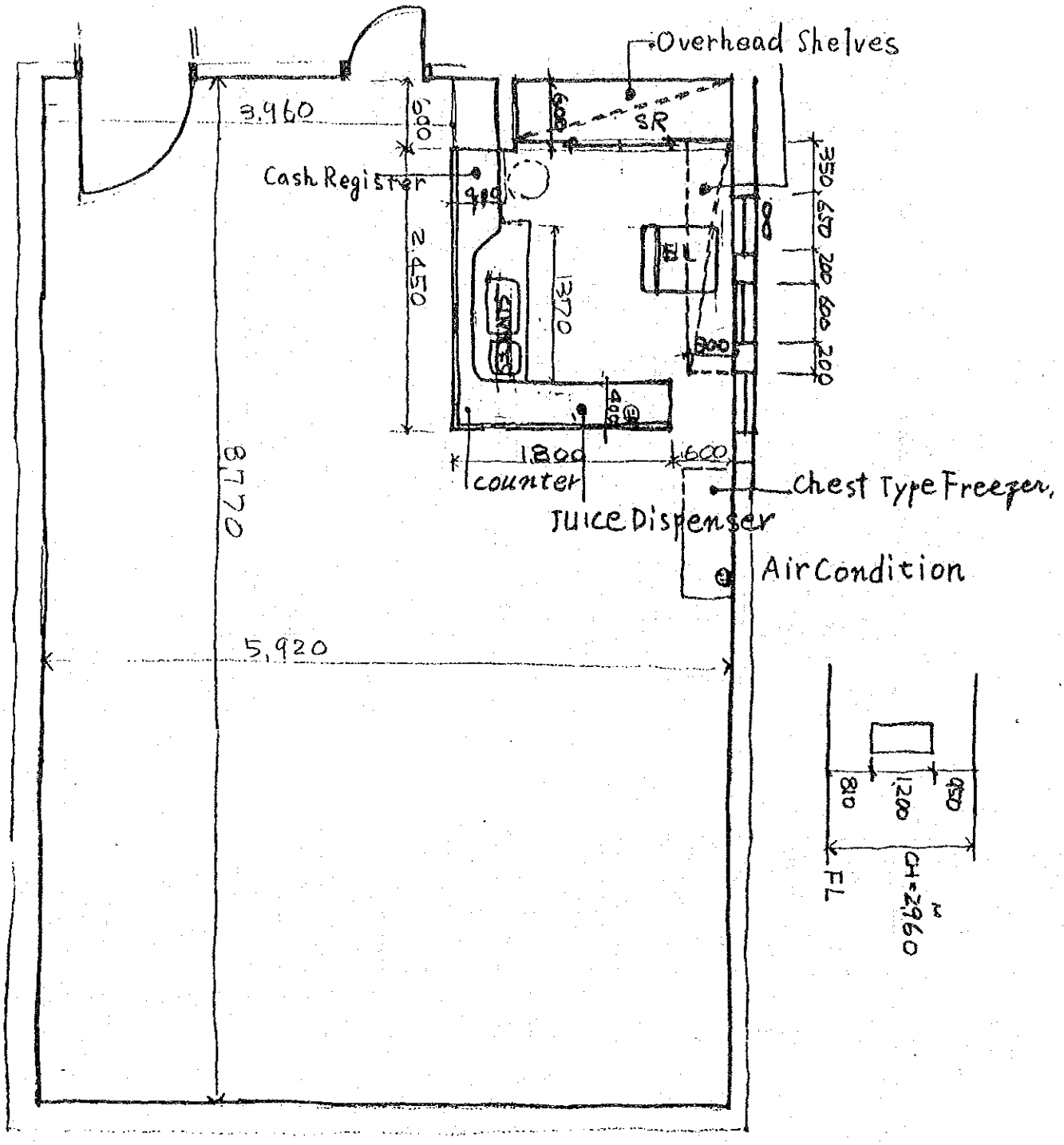
③ GUEST HOUSE PLAN S. 1/200

EXISTING CONDITION



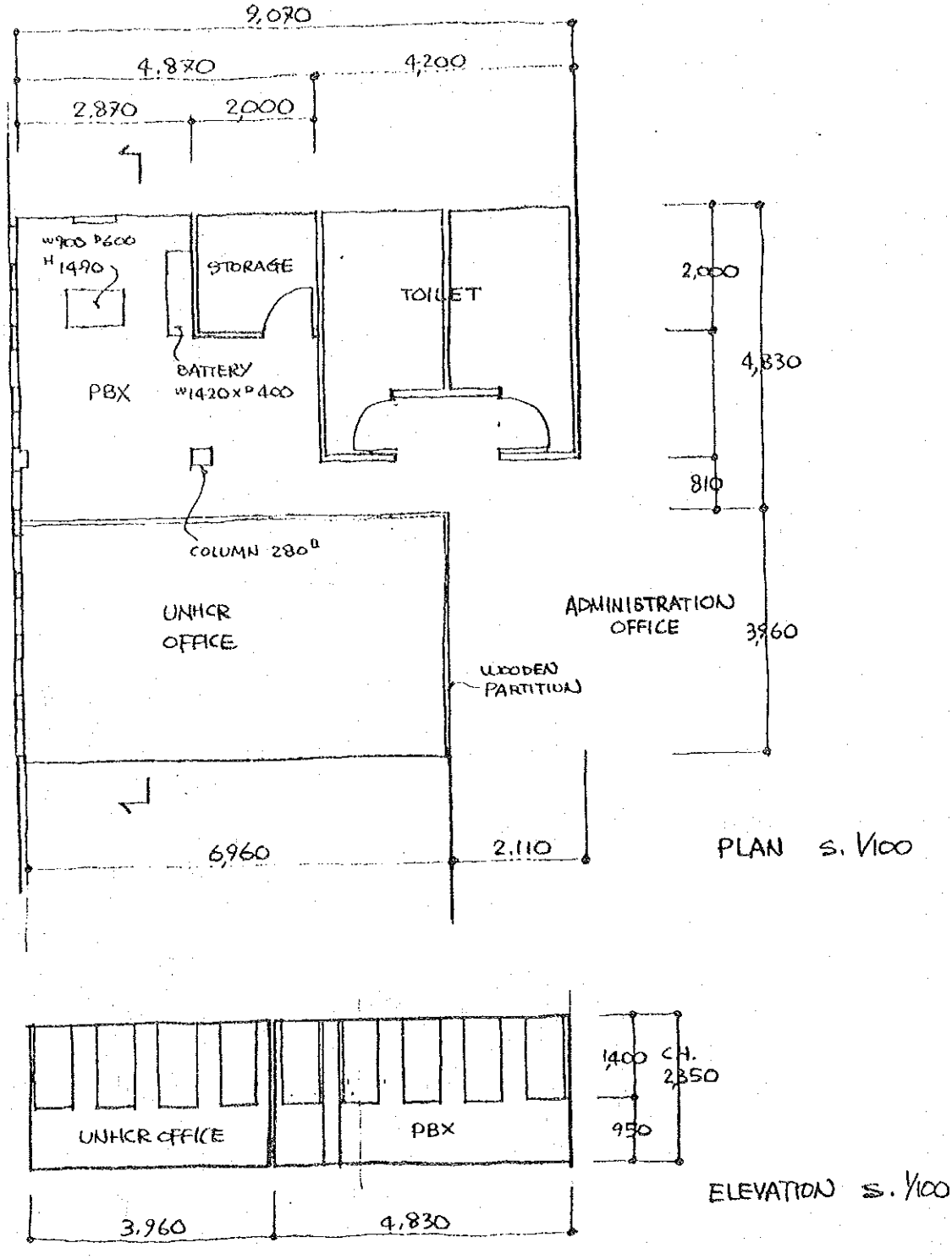
③ PROPOSED GUEST HOUSE KITCHEN PLAN TO BE IMPROVED S. 1/30

FLOOR AREA: 22.5 M²



③ PROPOSED GUEST HOUSE LOUNGE PLAN
TO BE IMPROVED s, 1/50

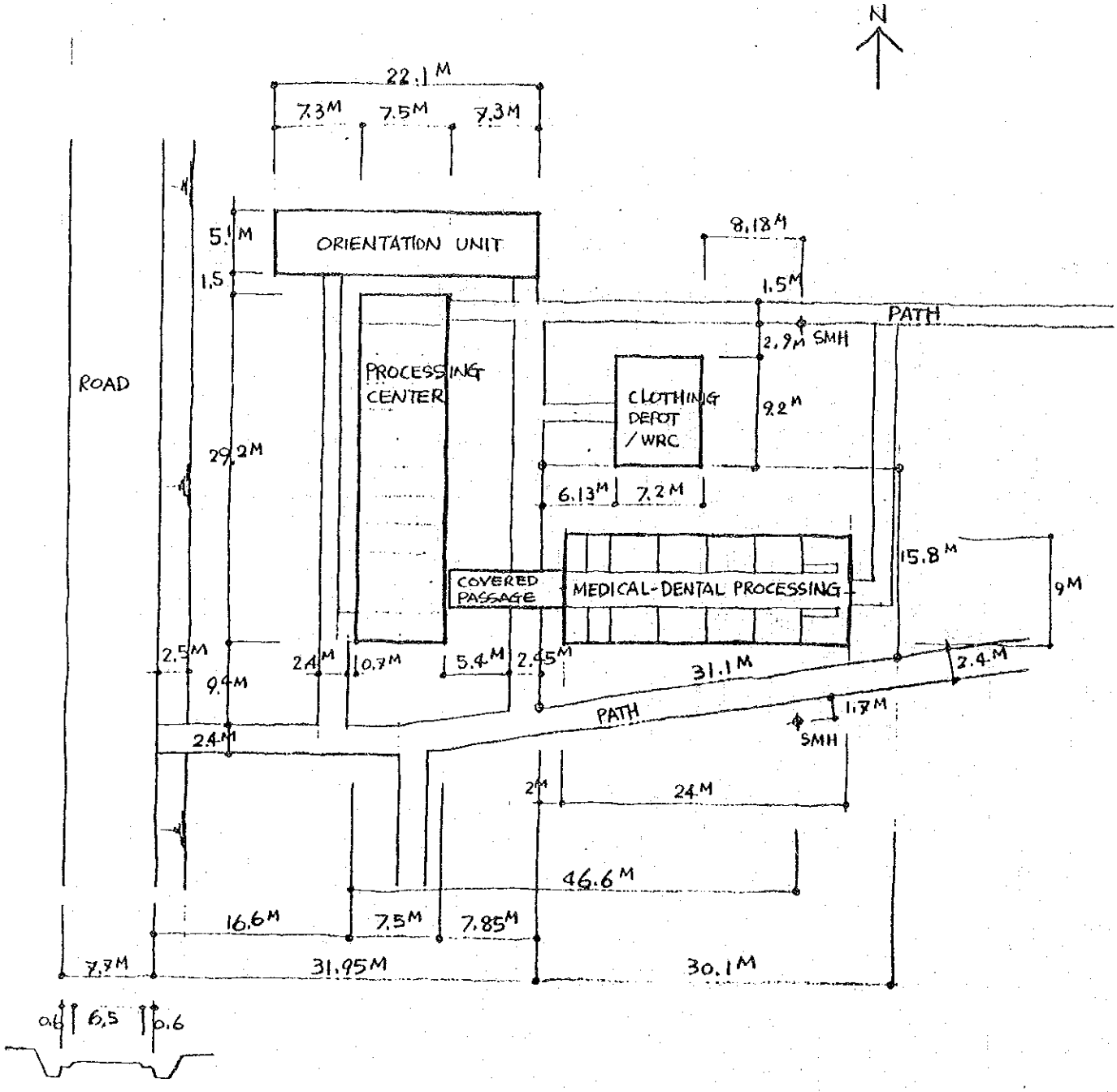
FLOOR AREA : 52 M²



PLAN OF EXISTING CONDITION

⑤ P.A. SYSTEM CONTROL ROOM

LOCATION : ADMINISTRATION BLDG.
CENTRAL AREA



S. 1/500

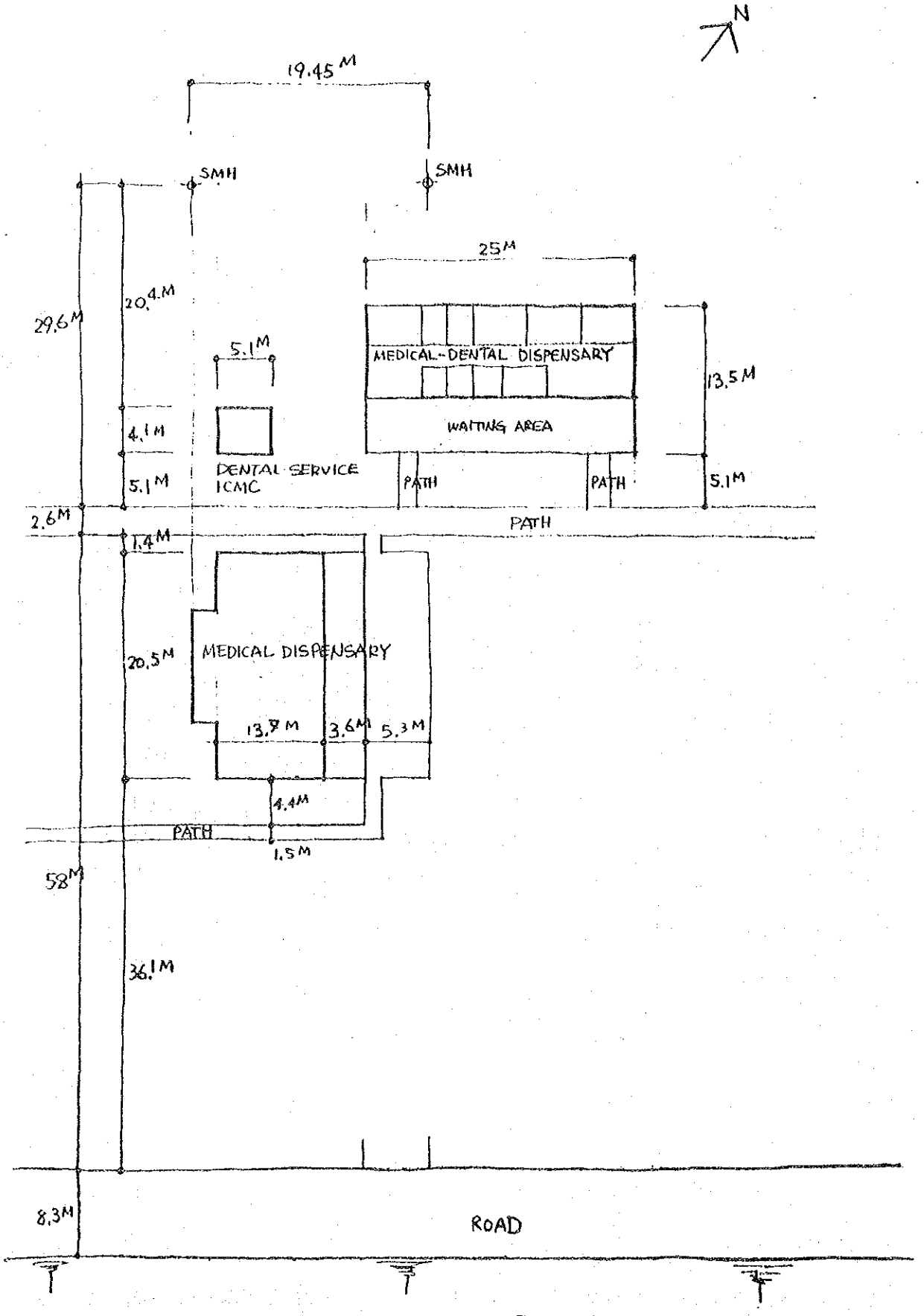
⑦ MEDICAL-DENTAL PROCESSING CENTER

LOCATION : PHASE-I

NBHD-2

FLOOR AREA : PROCESSING CENTER 216 M²

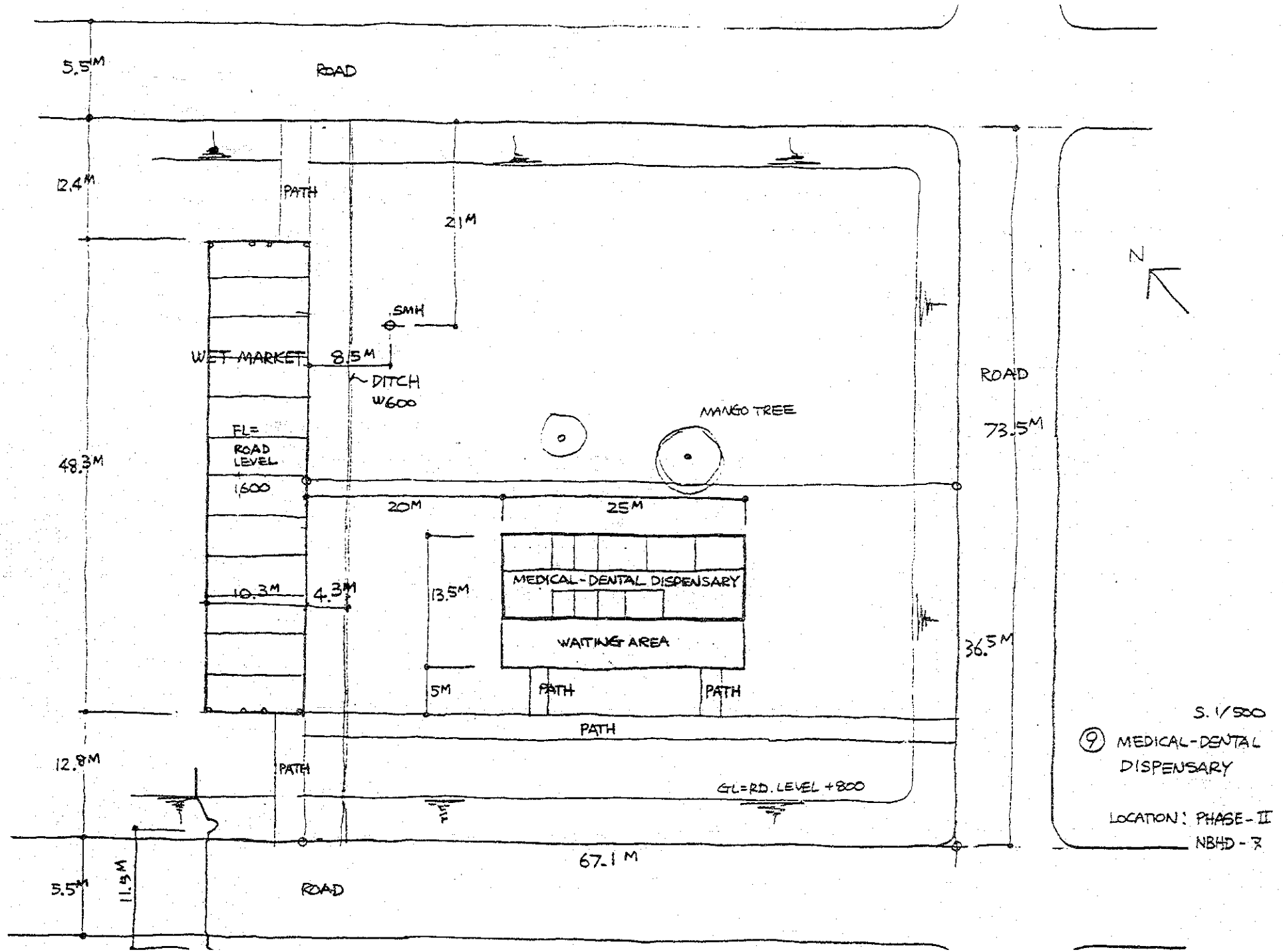
COVERED PASSAGE 27 M²] 243 M²



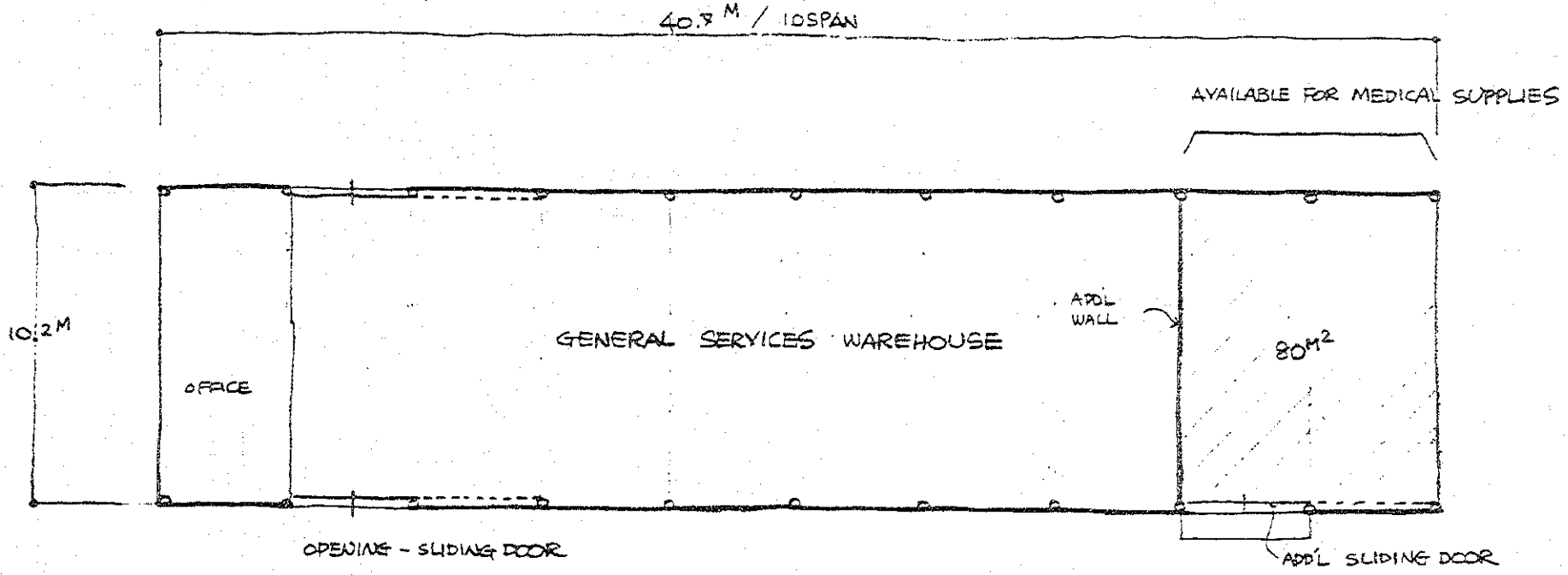
⑧ MEDICAL-DENTAL DISPENSARY s. Yesa

LOCATION : PHASE-I NBHD-5

M-3


5.5M
ROAD
12.4M
PATH
21M
.5MH
WET MARKET
8.5M
DITCH
W600
MANGO TREE
FL=
ROAD
LEVEL
1600
48.3M
20M
25M
10.3M
4.3M
13.5M
MEDICAL-DENTAL DISPENSARY
WAITING AREA
5M
PATH
PATH
PATH
12.8M
PATH
GL=RD. LEVEL +800
67.1M
5.5M
11.3M
ROAD
ROAD
73.5M
36.5M
N
S. 1/500
⑨ MEDICAL-DENTAL DISPENSARY
LOCATION: PHASE-II
NBHD - 7

M-4

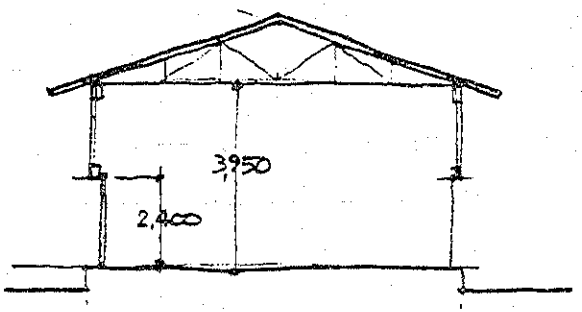


OPENING - SLIDING DOOR
W 3.780
H 2.400

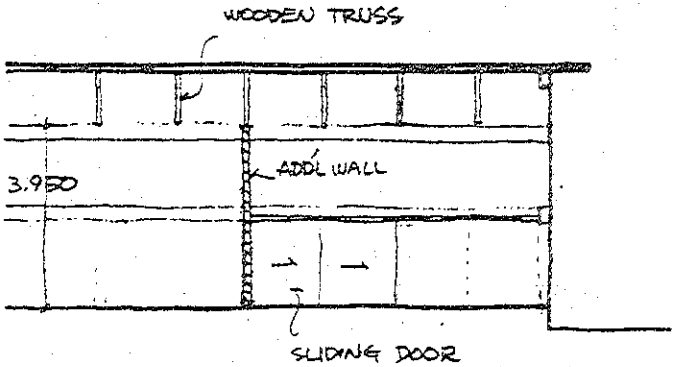
(10) STORAGE FOR MEDICAL SUPPLIES TO BE IMPROVED

LOCATION : PHASE-I, OPERATION CENTER

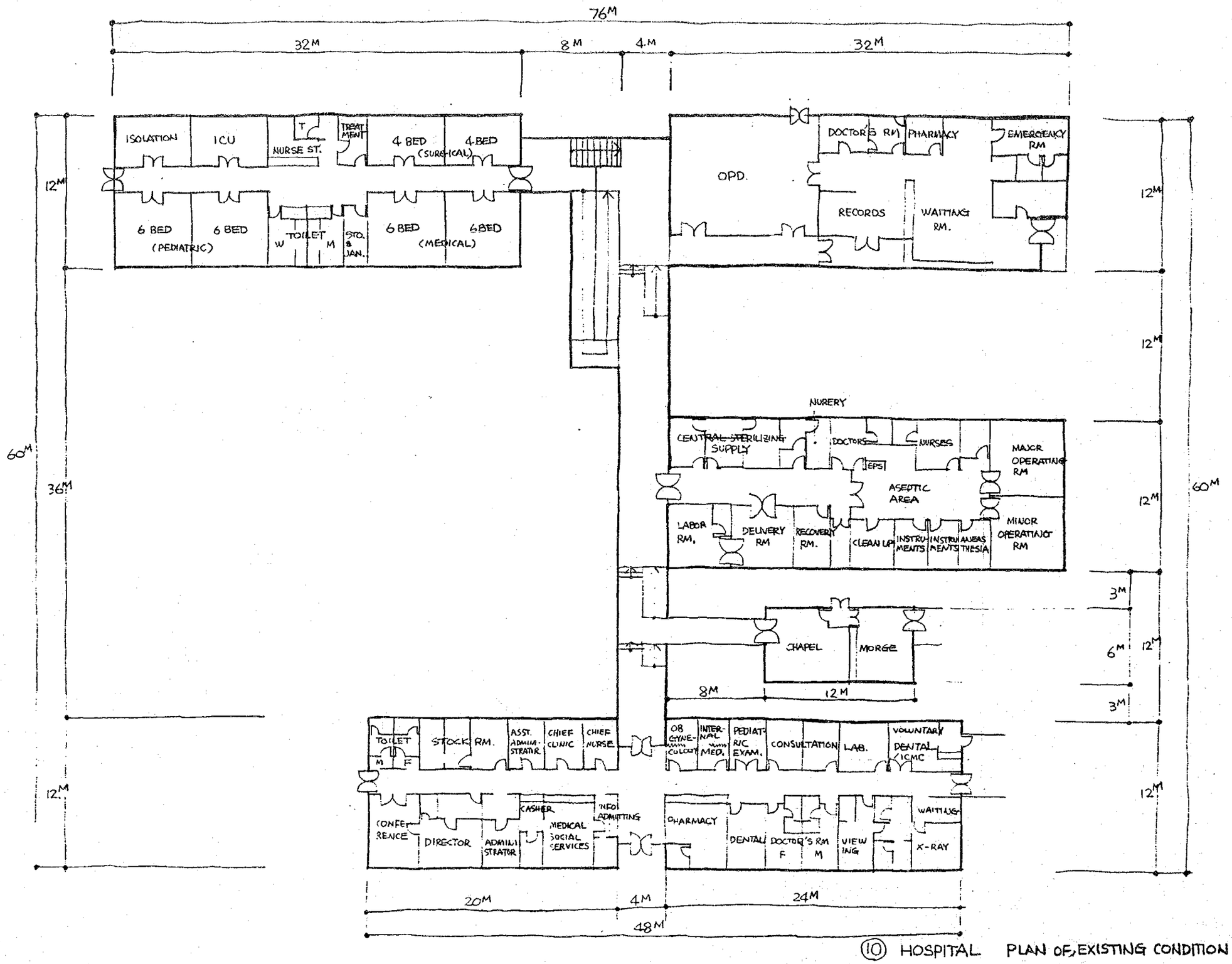
FLOOR AREA : 80 M2



SECTION S.1/200



M-



(10) HOSPITAL PLAN OF EXISTING CONDITION S.1/300

LOCATION : CENTRAL AREA

FLOOR AREA : 2088 M²