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1. 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)
1	l8 Tue	 Inception report presentation (Ministry of Foreign Affairs, MFA)
	in the second	- 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)

- 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		Descrpition	·
				•		
·	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)	
	٠.			-	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	٠
		2.4	1		Company Outline Perent	
		31	Mon		Summarizing an Outline Report Meeting with PRPC staff arriving in Manila	
					meeting with thre statt attiving in manita	
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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
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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

GAUDENCIO V. TOBÍAS

YASUO SAITO

Attachments

- 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

US

for

- 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.
 - 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 $4 = 600 \cdot \cdot \cdot m$

- 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: $250 \text{ sq. m} \times 2 = 500 \text{ sq. m}$

(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

- Medical-Dental Processing Center
 - a) Facilities

: Extension of existing Processing Center

Location: Phase I

Area: 200 sq. m

8

- b) Equipment
- 2) Medical-Dental Dispensary
 - a) Facilities
 - b) Equipment
- 3) Dental Laboratory
 - a) Facilities
 - b) Equipment
- 4) Staff Housing
 - a) Facilities
 - b) Equipment
- 5) Hospital
 - a) Equipment

- 6) Others
 - a) Equipment

- : Necessary Equipment
- : Extension of existing Dispensary
 - Location: Phase I and II
- : Necessary equipment
- : Extension of the existing Hospital
 - Location: Hospital Complex
- : Necessary equipment
- : Four (4) staff dormitories which accommodate 56 persons
 - Location: Dormitory Complex
- : Necessary furniture and 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

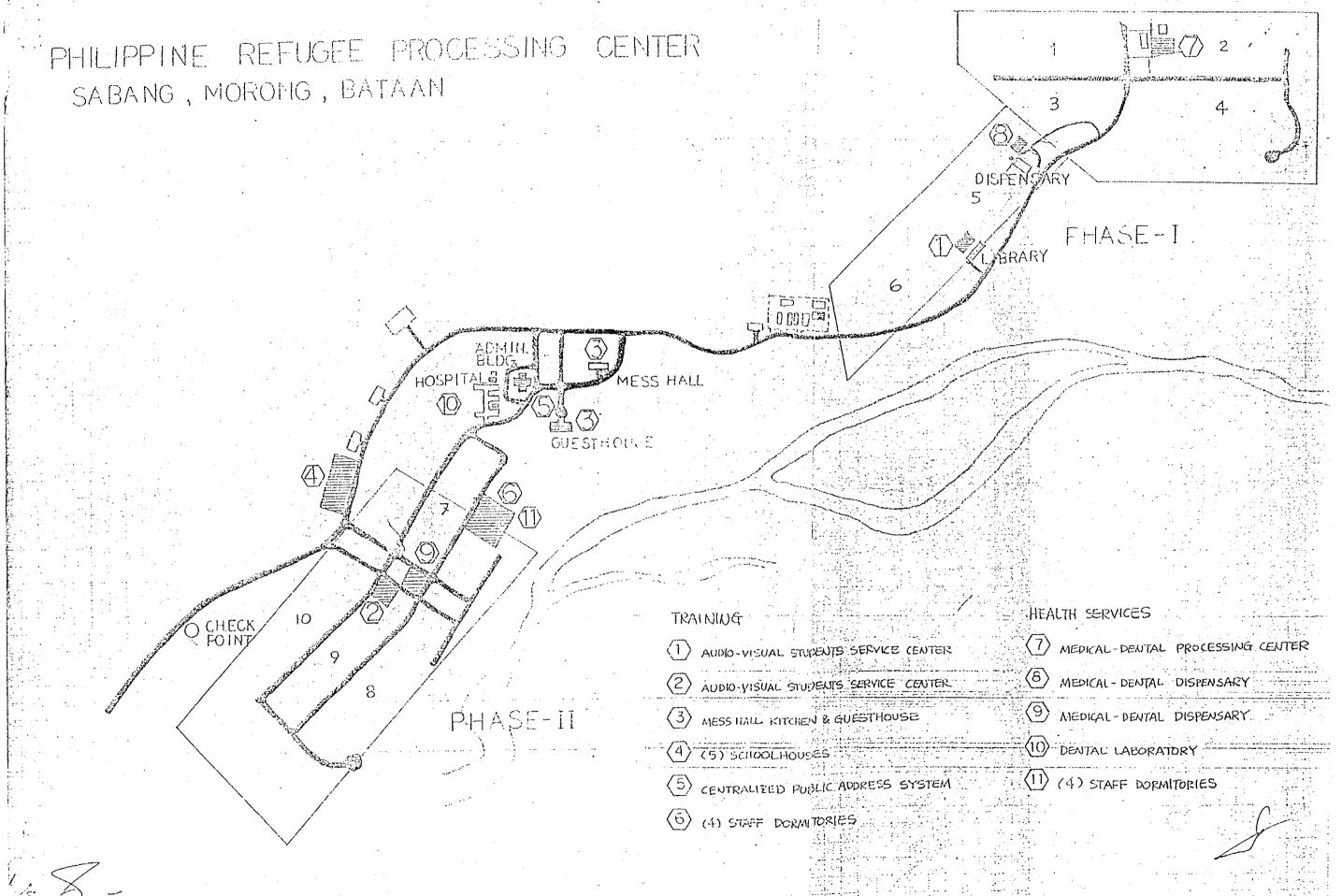
: Supplies to support 1, 2, 3, 5 above

(necessary supplies requirement for

one (1) year)

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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

SULTE 101, 1679 DIAN ST., MAKATI, M. M.

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
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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 (INJERNATIONAL) INC.

DOMINADOR R. FERMIN, JR. President

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Date Finished Jan. 19	,	1983		Height of Drop 0.762 meters															
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Date Finished Jan. 20, 1983	Height of Drop0.762 meters			locati	on plan						
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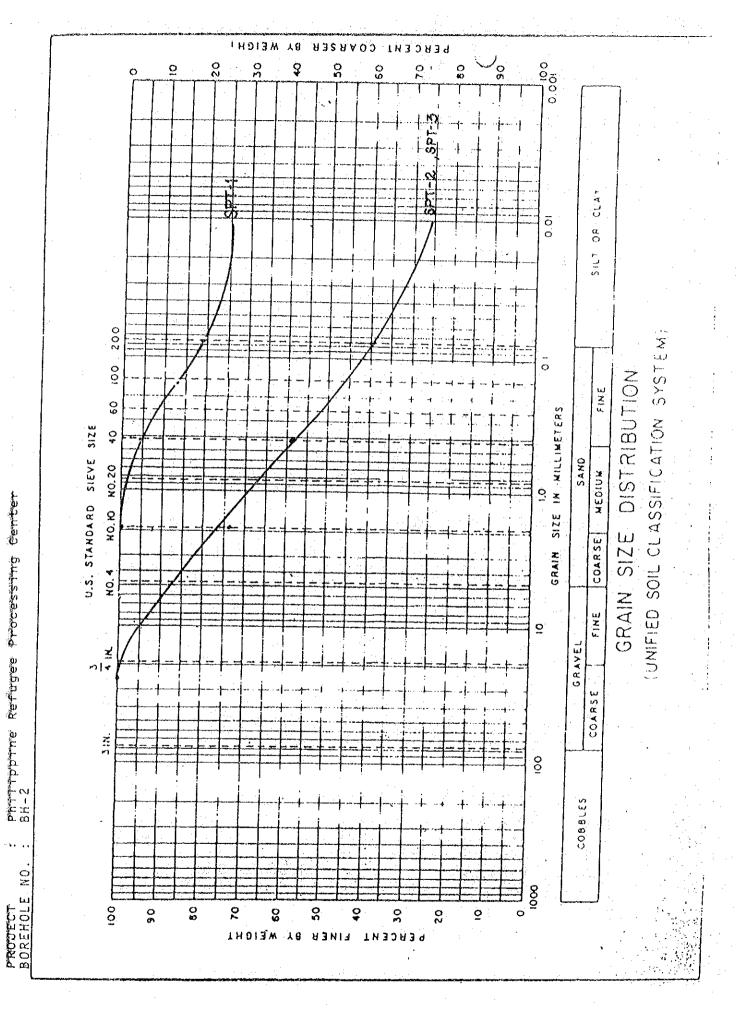
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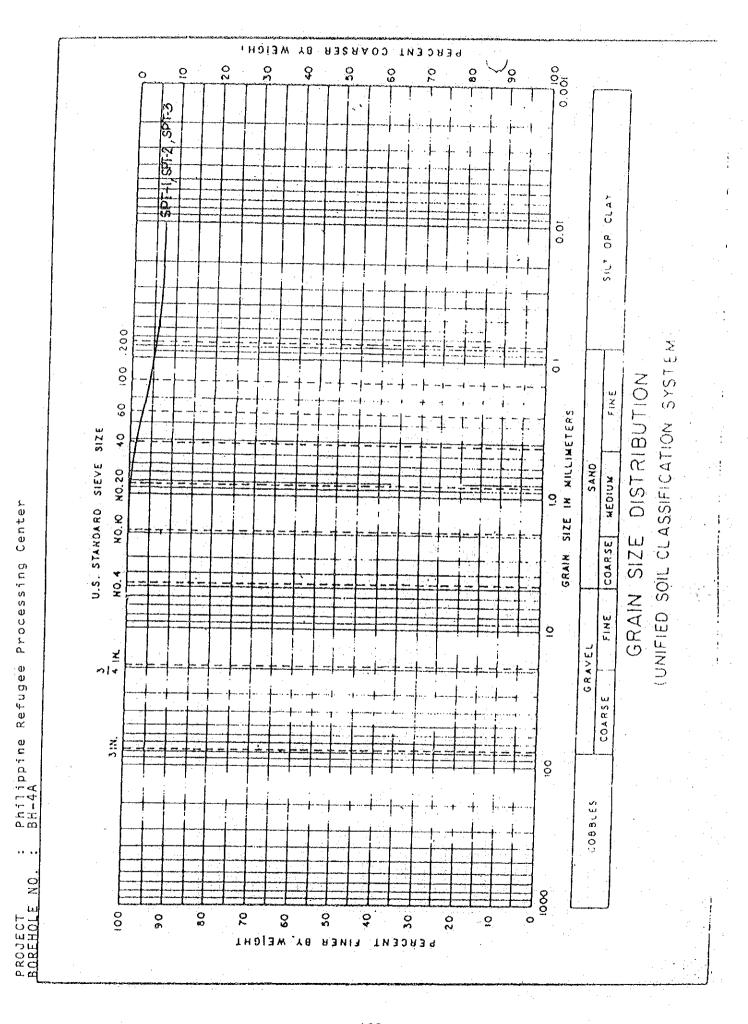
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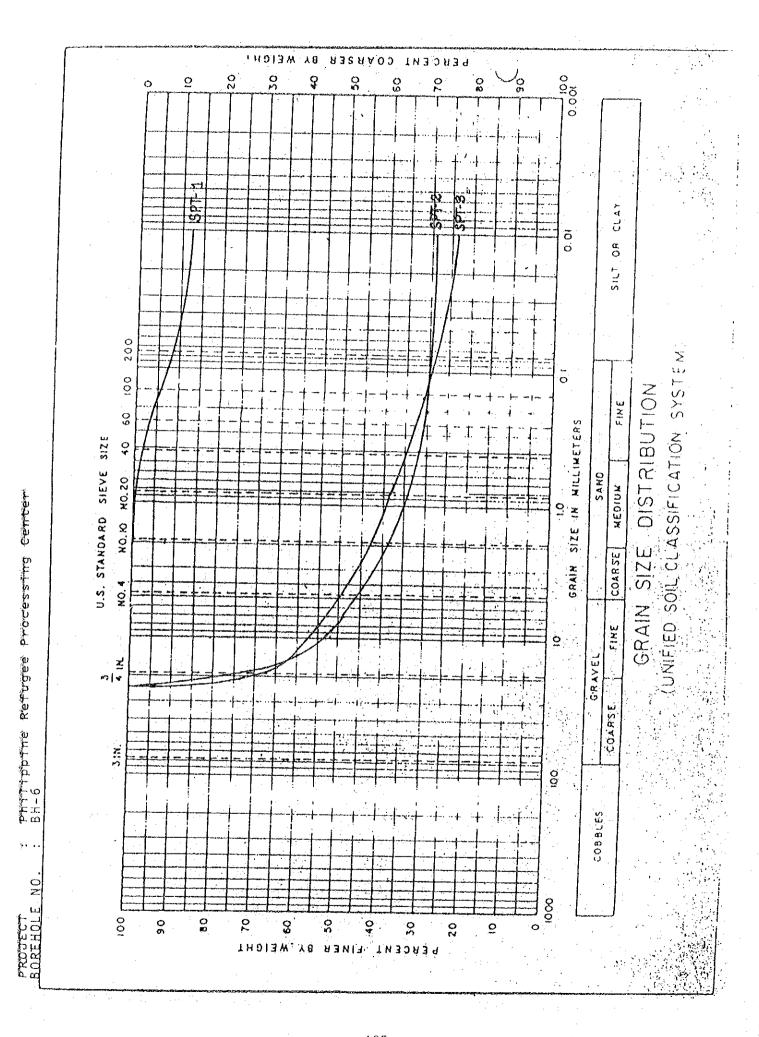
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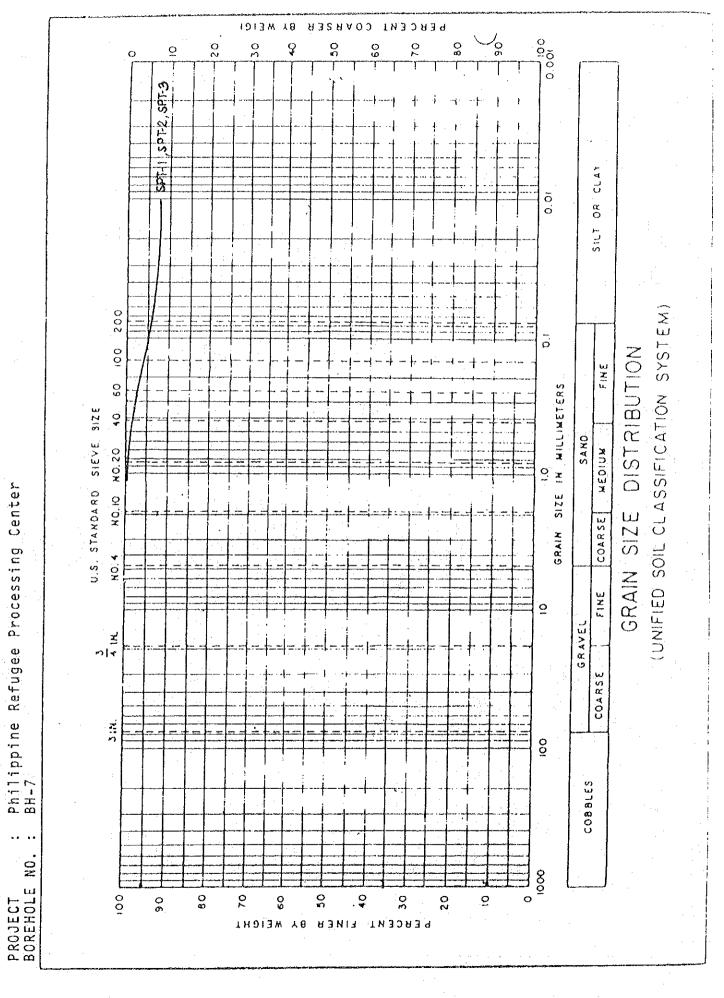


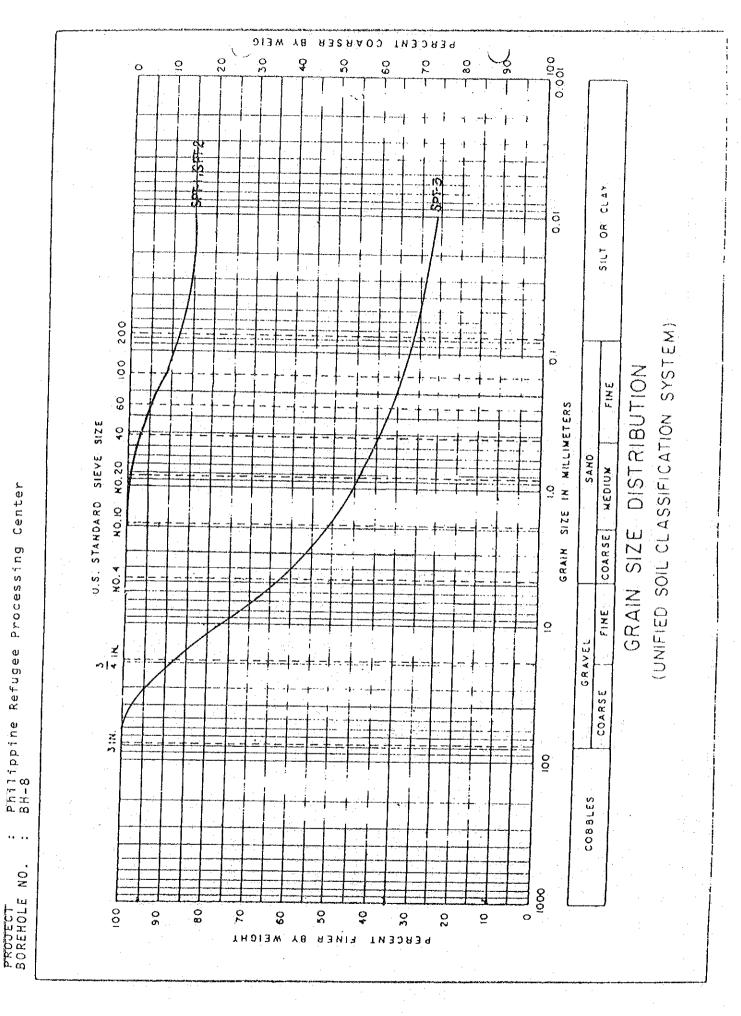
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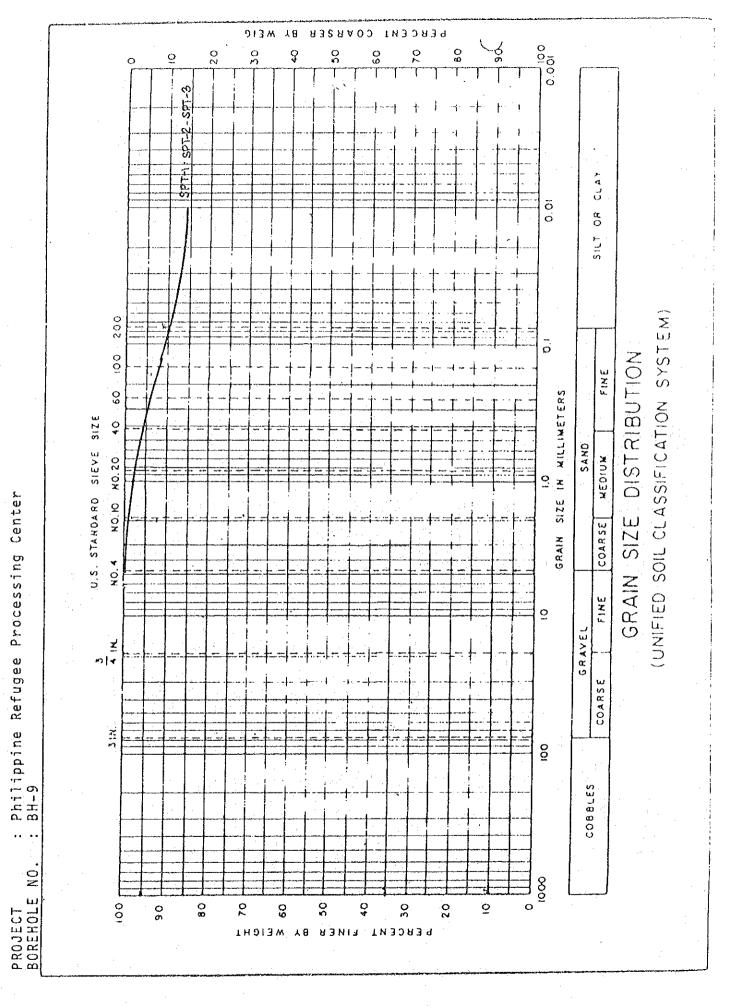


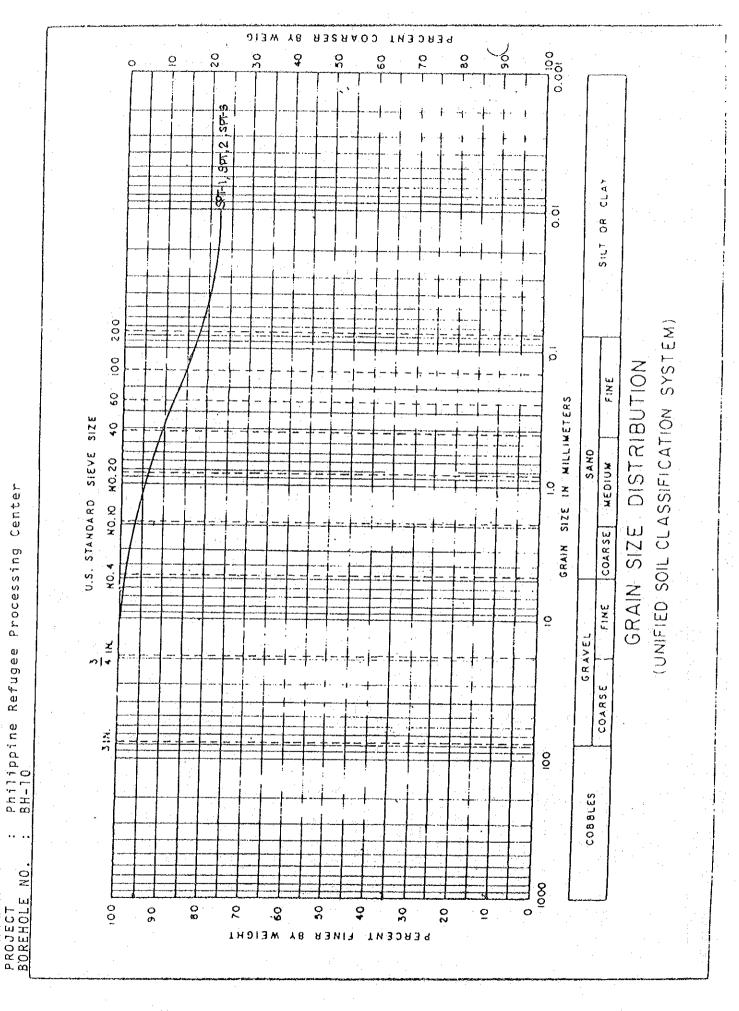
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PERCENT COARSER BT WEIG 00 0.00.0 (C) Ş Ω 2 0 Š CLAY õ ď SILT (UNIFIED SOIL CLASSIFICATION SYSTEM) 200 õ DISTRIBUTION 00 W XIII IN MILLINETERS ç SIZE Ç SAND SIEVE KEDIOK MO.20 Philippine Refugee Processing Center BH-11 U.S. STANDARD 31 Z E X0, 0 GRAIN SIZE COARSE GRAIN ¥.0, SXI õ GRAVEL ω|4 ⊼ COARSE 7.5 00 COBBLES . 0 . 8 PROJECT BOREHOLE 00 0 20 o 0 80 0, ŝ 9 30 Õ PERCENT FINER BY WEIGHT

GEOTESTING (INTERNAT NAL) INC.

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

NPPSBO GUAM

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :

Philipp:	ine Refua	ee Proces	sina Cen	ter		LAB. NO.
MATERIAL					<u> </u>	T. R. NO.
TESTED BY		T-2, SPT-		<u> </u>		DATE
KOSEMA	IRIE PAJA	RES/Sr. L		4		Jan. 22, 19
4 top-resided databased State Control And Annual State Control		SECTION AND PROPERTY OF STREET	PARTY NAME OF TAXABLE PARTY.			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 CUR	/E		
5 6	7 8	9 10				
QUID LIMIT	. 0	NUN	MBER OF BLO	DWS	0 25	30 35 40 45
54		PLASTIC LIMIT	28		LASTICITY INDEX	26
REP		1/24/83		ETR		1/25/83

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

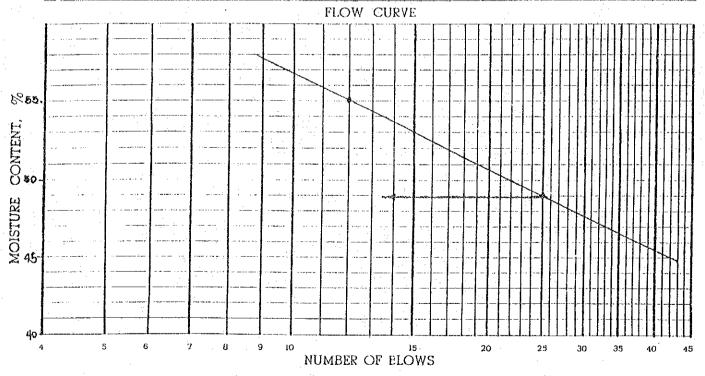
S 101 1679 Dian St., Metro Manila Te..., hone No. 85-61-12

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN: Date :

Philippine Refugee Processing Center	LAB. NO.
BH-2 - (0.7 - 1.0)	T. R. NO.
ROSEMARIE E. PAJARES/Sr. Lab. Technician	Jan. 22, 1983
LIAMATHOR	DIACPIO IBUP

LONG RESIDENCE PROPERTY AND DONNERS STREETHERS WAS TO SEE	Action to the control of the control	LIQUID I	IMIT	PLASTIC LIMIT		
TRIAL NO.	1	2	3	1	2	
CAN NO.	16	8	18	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	= 28.0)



енопо стит 49	PLASTIC LIMIT	28	PLASTICITY	index 21	
REP	1/24/83	CHECKED BY	ETR	1/25/83	

NPPSBO GUAM

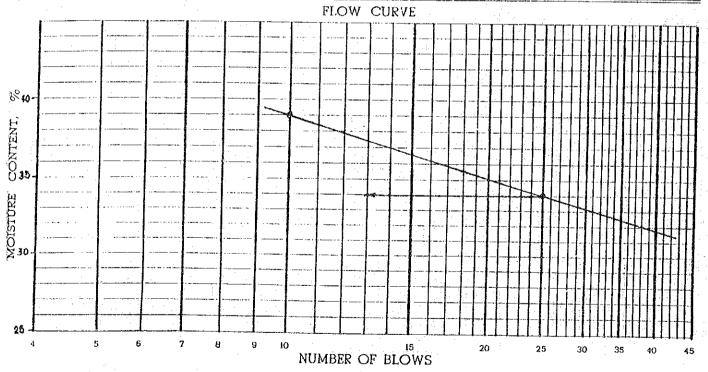
GEOTESTING (INTERNAT NAL) INC. GEOTECHNICAL & MATERIALS . STING ENGINEERING

S 101 1679 Dian St., Metro Manila Te., none No. 85-61-12

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN: Date :

Philippi	ne Refug	ee Proces	sing Cen	ter		LAB. NO.	4 5
BH-2 - S	SPT-2, SP	T-3				T. R. NO.	_
ROSEN	MARIE E.	PAJARES/S	Sr. Lab.	Technicia	n	Jan. 22	2, 1983
Driver and the second s	A Section of the sect	LIQUID	LIMIT			PLASTIC I	
TRIAL NO.	. 1	2	3		1	2	
CAN NO.	5	6	19		3	6 A	
WY, 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	1
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	



34	PLASTIC LIMIT	25	PLASTICITY INDEX	9
REP	PATE / 24/83	CHECKED BY ETR		1/25/83

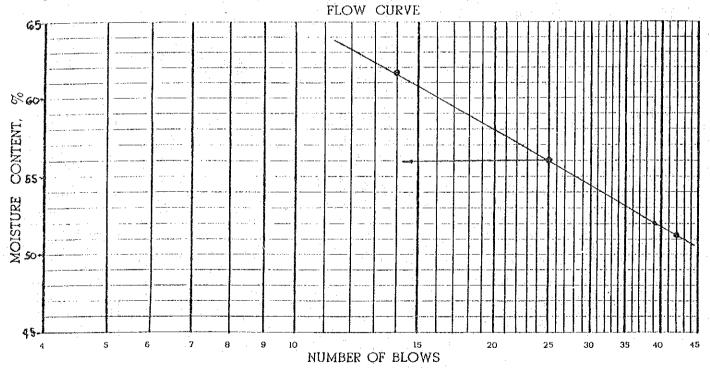
GEOTESTING (INTERNAT NAL) INC. GEOTECHNICAL & MATERIALS STING ENGINEERING

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

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN: Date:

Philippi	I	AB. NO.					
		T-2, SPT-		·		r. R. NO.	
ROSEMAR	C	Jan. 22	, 1983				
		LIQUID I	IMIT			PLASTIC I	TIMI
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	



LIQUID LIMIT 56	1.1.	PLASTIC LIMIT 24	PLASTICITY INC	32
REP		1/24/83 CHECKE	ETR	DATE 1/25/83

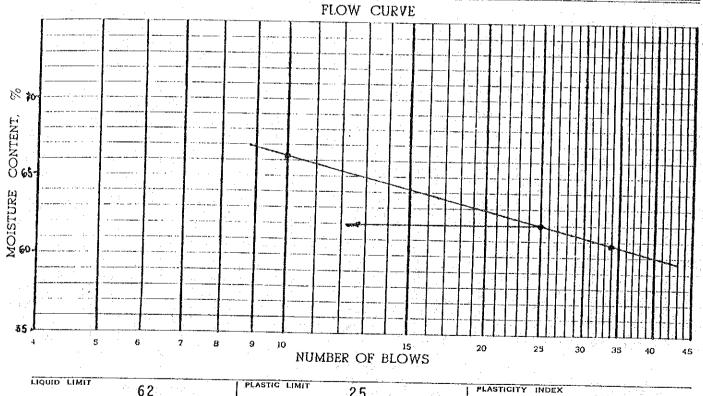
GEOTESTING (INTERNAT WAL) INC. GEOTECHNICAL & MATERIALS . ESTING ENGINEERING

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

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN :

	· 		2.	D	ate :		
Philipp	ine Refuç	jee Proce	ssing Cen	ter		LAB. NO.	
	SPT-1, SI	T-2, SPT	- 3			T. R. NO.	
ROSEM.	ARIE PAJA	RES/Sr. I	lab. Tech	•		Jan. 22,	1983
EN THE STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET		LIQUID	LIMIT	Teletainei Edina, jugare minera		PLASTIC	
TRIAL NO.	ĺ	2	3		1	2	No. of the last of
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	
OF BLOWS	34	23	10		Average	= 25.1	5
			FLOW CURV	'E			



LIQUID LIMIT	62	PLASTIC LIMIT	25	PLASTICITY	INDEX	37
Сомритер ву	REP	1/24/83	CHECKED BY	ETR		1/25/83

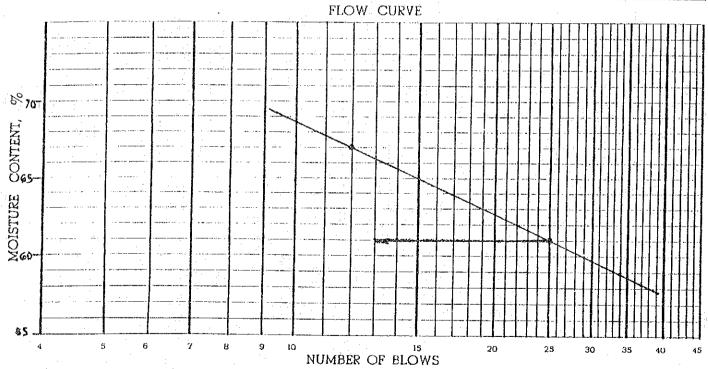
GEOTESTING (INTERNAT WAL) INC. GEOTECHNICAL & MATERIALS . ESTING ENGINEERING

 $S \rightarrow 101$ 1679 Dian St., Metro Manila Temphone No. 85-61-42

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN: Date :

Philipp	ine Refug	ee Proces	sing Cente	er		AR. NO.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
BH-4B,	SPT-1, SP	T-2, SPT-	3		1	. R. NO.	
ROSEI	MARIE PAJ	ARES/Sr.	Lab. Tech		· · · · · · · · · · · · · · · · · · ·	Jan. 22,	1983
y man in season where an arrangement to the control of the control	province of the control of the contr	LIQUID I	IMIT	des transcriptores control de protectores de protec		PLASTIC I	IMIT
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	<u> </u>	Average	= 26.24	:



ETQUID EIMIT 61	PLASTIC LIMIT 26	PLASTICITY IN	35
REP	DATE /24/83 CHECKED BY	ETR	1/25/83

NPPSBO GUAM

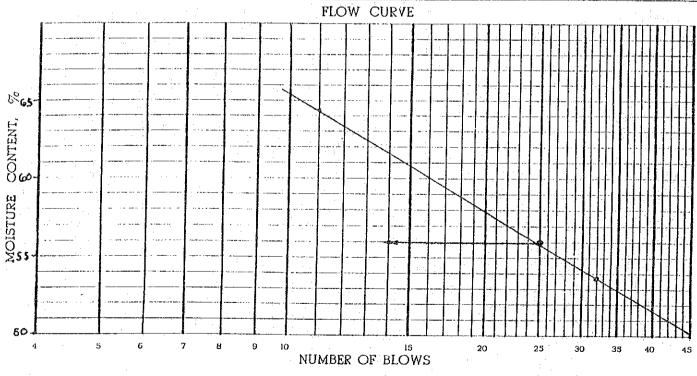
GEOTESTING (INTERNAT 'NAL) INC. GEOTECHNICAL & MATERIALS . STING ENGINEERING

S > 101 1679 Dian St., Metro Manila Temphone No. 85-81-42

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN: Date :

Philipp	ļ.	AB, NO.					
BH-6, S	SPT-1 (0.	7 - 1.0 M)		T	. R. NO.	
Rosema	rie Paja	res/Sr. L	ab. Tech.			Jan. 22	, 1983
		LIQUID I	IMIT			PLASTIC I	.lMIT
TRIAL NO.	ĺ	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	17.47	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	



LIQUID LIMIT	56	PLASTIC LIMIT	27	PLASTICITY INDEX	29
COMPUTED BY	REP	DATE 1/24/83	CHECKED BY	ETR	DATE 1/25/83

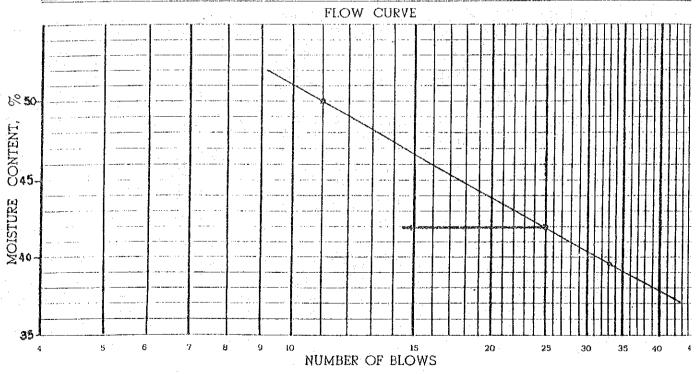
GEOTESTING (INTERNAT NAL) INC. GEOTECHNICAL & MATERIALS . ESTING ENGINEERING

 $S \rightarrow 101$ 1679 Dian St., Metro Manil Temphone No. 85-61-12

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN: Date :

Philipp	oine Refu	gee Proce	ssing Cer	nter		LAB, NO.	
BH-6, S	SPT-2 (1.	7 - 2.0 m)			т. п. но.	
ROSEN	MARIE PAJ	ARËS/Sr.	Lab. Tecl	n .		Jan. 22,	1983
Constitution of the state of th	Sand Section of the S	LIQUID I	TIMI			PLASTIC I	IMIT
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	andrews a solid of the Walton to a Walton to the solid	5.35	5.27	
PERCENT MOISTURE	40.00	42.65	50.00	·	30.09	29.98	
NO OF BLOWS	33	24	11		Averag	= 30.04	·



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

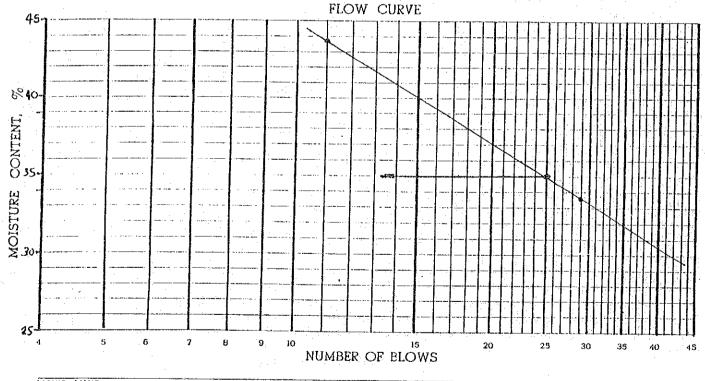
GEOTESTING (INTERNAT 'NAL) INC. GEOTECHNICAL & MATERIALS . ESTING ENGINEERING

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

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN : Date :

PHOJECT Philipp	ine Refu	gee Proce	ssing Ce	nter		LAB, NO.	
MAYERIAL		7 - 3.0 m	·	ner - Anne mense e milia		T. H. NO.	
TESTED BY	SEMARIE I	PAJARES/S	r. Lab.	Tech.		Jan. 22	, 1983
	CONSTRUCTION OF THE PARTY OF THE PARTY.	LIQUID I	IMIT	4240.00		PLASTIC I	IMIT
TRIAL NO.	1	2	3		1	2	
CAN NO.	25	23	18		12	Α	
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		Averago	e = 27.14	



LIQUID LIMIT	35	PLASTIC LIMIT	2/	PLASTICITY INDEX	8
COMPUTED BY	REP	DATE /24/83	CHECKED BY	ETR	1/25/83
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GEOTESTING (INTERNAT NAL) INC. GEOTECHNICAL & MATERIALS . ESTING ENGINEERING

S > 101 1679 Dian St., Metro Mani Temphone No. 85-61-42

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN : Date :

	PROJECT	D - C -				ate :	LAB, NO	A A A A A A A A A A A A A A A A A A A
	REATERNAL		ee Process [-3, SPT-7		er		T. Ŗ. NO.	
	ROSEM	ARIE PAJE	RES/Sr. La				Jan. 22, PLASTIC	
	AL BENEVALUE TO ANY THE REAL RESIDENCE AND ANY TO ANY THE PROPERTY OF THE PROP	Charles (Constitute State EIQUID I	·11//11 1	olyn, járjá szála, h alemba 1960 GTANA	a il accessora a menerale conservativa	THAUTE	Parketter Company	
•	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 CUR	/E			-
6530								
CONTENT,								
ELNO.								
OG5 H								
MOISTURE §					-			
Ž.								
35								
	4 5 6	7 9	0 10 1UN	MBER OF EL	ows	20 25	30 35	40 4
	LIQUID LIMIT		PLASTIC LIMIT			PLASTICITY INDE	×	
	61	·		28			33	

1/25/83

ETR

1/24/83

COMPUTED BY

REP

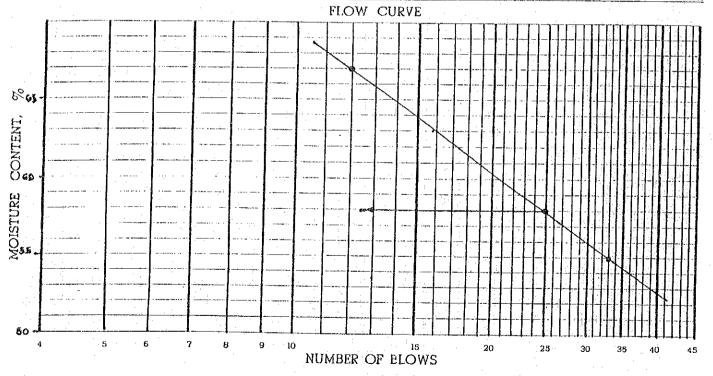
GEOTESTING (INTERNAT 'NAL) INC.

 $S \rightarrow 101/1679$ Dian St., Metro Manila Temphone No. 85-61-12

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN: Date:

PROJECT						LAB, NO.	
Philipp	ine Refug	jee Proce:	ssing Cen	ter		ENG. NO.	
MATERIAL	PT-1, SP1					T. R. NO.	<u> </u>
TESTED BY						DATE	·····
KOSEM,	ARIE PAJA	NRES/Sr. I	ab. Tech	•		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	= 26.1	



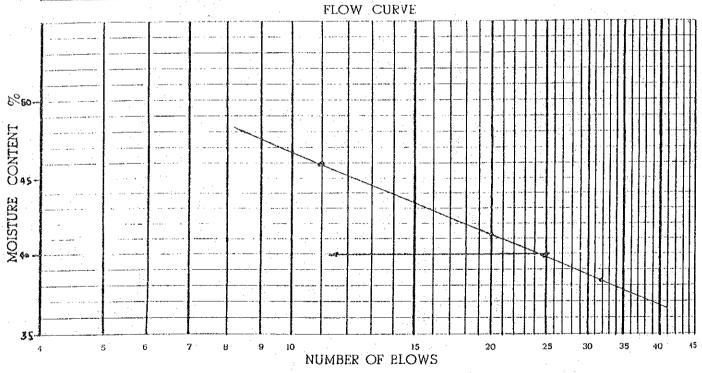
LIQUID LIMIT 58	PLASTIC LIMIT 26	PLASTICITY INDEX 32
REP	DATE /24/83 CHECKED BY	ETR 1/25/83

 $S \to 101~1679~Dian~St.,~Metro~Manila~Temphone~No.~85-61-12$

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN ... Date :

Philinnir	e Refuge	e Process	ina Cento	er	L	AB, NO.	
BH-8, SF				7	τ.	R, NO.	
TESTED BY		RES/Sr. L	ab. Tech	•		an. 22,	1983
		LIQUID L				PLASTIC L	lMIT
TRIAL NO.	1	2	3		1	2	
CAN NO.	8	14	7		16	24	
VT 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	= 28.2)



LIQUID LIMIT 40	PLASTIC LIMIT 28	PLASTICITY INDEX
REP	1/24/83 CHECKED BY	ETR 1/25/83

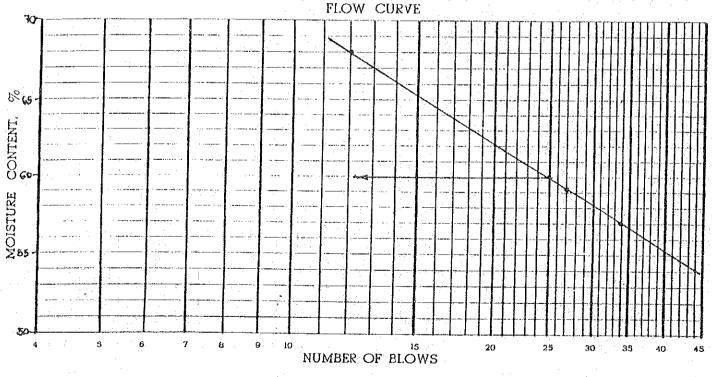
GEOTESTING (INTERNAT NAL) INC. GEOTECHNICAL & MATERIALS ... STING ENGINEERING

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

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN : Date :

PROJECT					1	LAB, NO.	
Phil'ipp	ine Refu	gee Proce	ssing Ce	nter		LAB, NO.	
	PT-1, SP	T-2, SPT-	3			T. R. NO.	
ROSEM	ARIE PAJ	ARES/Sr.	Lab. Tec	h .		Jan. 22,	1983
		LIQUID I	IMIT			PLASTIC 1	JMIT
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	



LIQUID LIMIT	60	PLASTIC LIMIT 27 PLASTICITY INDEX	33
COMPUTED BY	REP	T /24/83 CHECKED BY ETR	DATE / 25/83

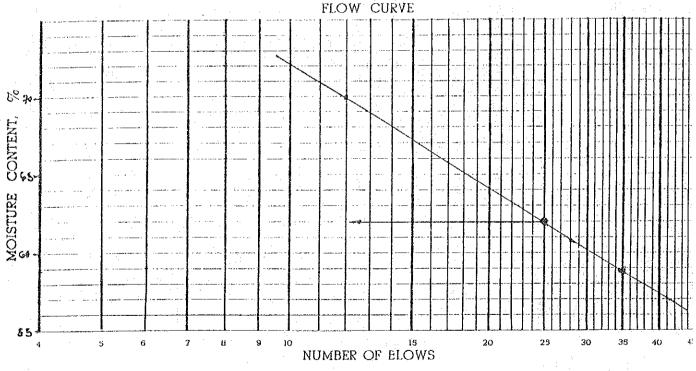
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 $S \rightarrow 101$ 1679 Dian St., Metro Manile Temphone No. 85-61-42

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN : Date :

PHOJECT Philippi	ne Refug	ee Proces	sing Cen	ter	l.	A8, NO.	
BH-10, S	1	. R. NO.					
ROSEM		Jan. 22, 198	33				
		LIQUID I	TIMI	***		PLASTIC LIMIT	
TRIAL NO.	ĵ.	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		Averag	e = 26.15	
NO OF BLOWS	30		PLOW CHO	<u></u>		<u> </u>	=



LIQUID LIMIT	62	PLASTIC LIMIT	2.6	PLASTICITY INDEX	36
COMPUTED BY	REP	1/25/83	CHECKED BY	ETR	PATE /25/83

COMPUTED BY

REP

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

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

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN: Date:

PROJECT					ite :	LAB, NO,	
64 A TENTAL		ee Process	sing Cent	er		T. R. NO.	
tretten ou	SPT-1,			<u></u>		DATE	
ROSEM	IARIE PAJ	ARES/Sr. I				Jan. 22,	
drawnest crevitation descriptions in the second second second second second second second second second second		LIQUID 1	LIMIT		-	PLASTIC 1	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	<u>.</u>
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 CUR'	VE			
4 5 6	7 8	9 10 NITA	ABED OF ST	15	20 25	30 35	40
LIQUID LIMIT	· · · · · · · · · · · · · · · · · · ·	NUN	MBER OF BLO				
54		PLASTIC LIMIT	26		PLASTICITY (NDE)	× 28	

1/25/83

CHECKED BY

ETR

DATE /24/83

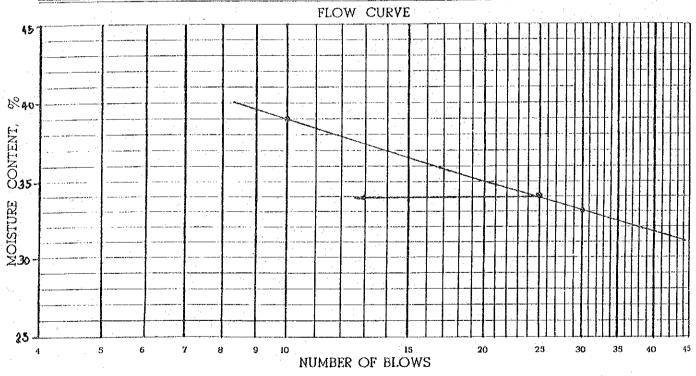
GEOTESTING (INTERNAT NAL) INC. GEOTECHNICAL & MATERIALS STING ENGINEERING

S + 101 1679 Dian Str. Metro Manila Temptono No. 85-61-42

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX OF SOILS

TRN: Date:

ROJECT Philippi	ne Refua	ee Proces	sing Cent	er		AB NO.
BH-11, S	,	T. N. NO.				
ESTEO BY ROSEMA	RIE PAJA	RES/Sr. L	ab. Tech		Ţ	Jan. 22, 198
	menagan an Angang ang Angang Angang Ang Angang Ang Ang Ang Ang Ang Ang Ang Ang Ang A	LIQUID I	TIMI	AND STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, ST	construction manufactures assures	PLASTIC LIMIT
TRIAL NO.	1	2	3		1	2
an no.	3	10	Α	· · · · · · · · · · · · · · · · · · ·	24 A	11 A
VT, OF CAN AND WET SOIL	22.47	20.16	21.87		15.84	18.81
VT. OF CAN	19.37	16.90	18.41		13.92	16.91
WT. OF WATER	3.10	3.26	3.46		1.92	1.90
VT 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		Averag	e = 25.05



| 0ATE | /25/83

9

PLASTICITY INDEX

ETR

25

CHECKED BY

PLASTIC LIMIT

1/24/83

LIQUID LIMIT

COMPUTED BY

34

REP

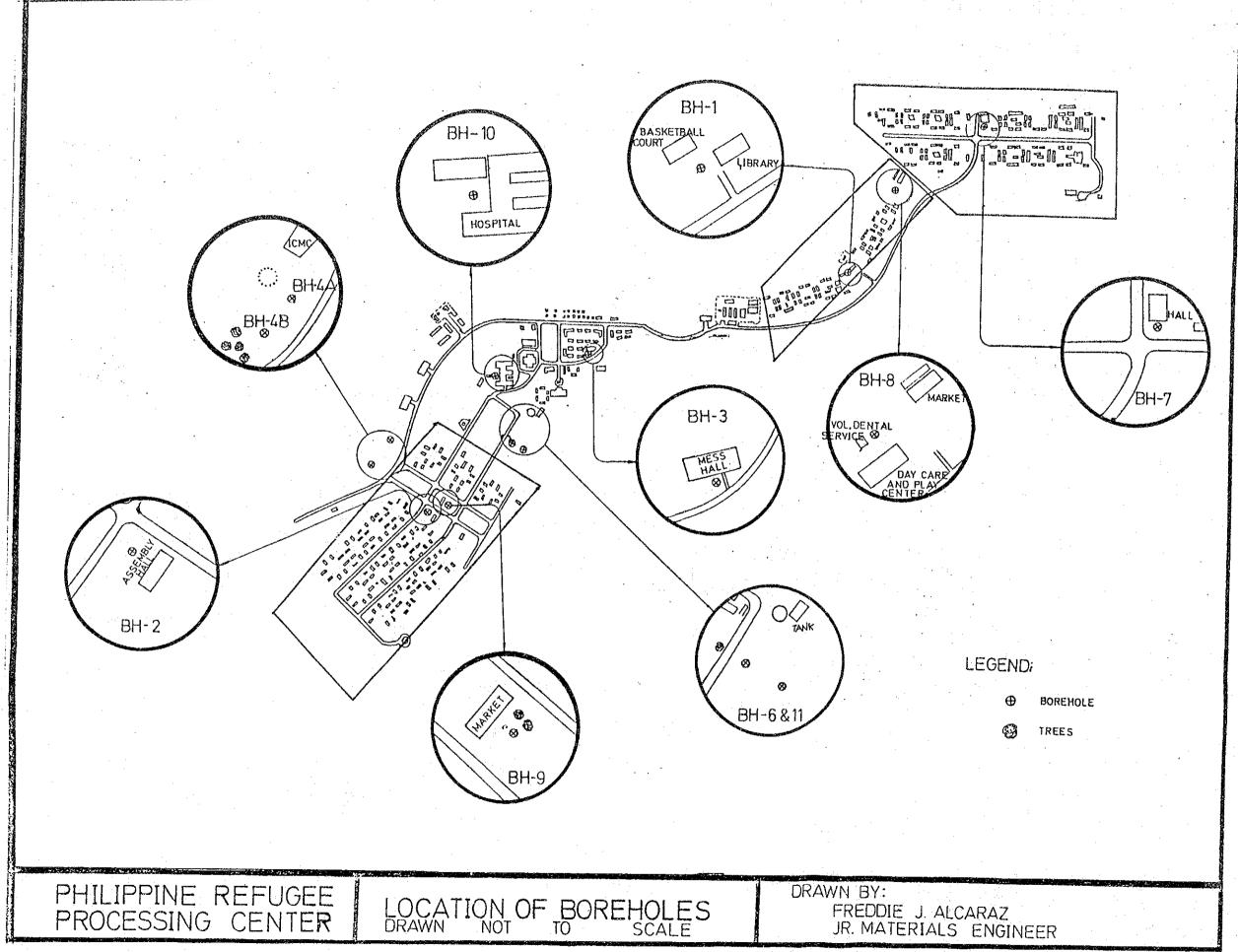
GEOTESTING

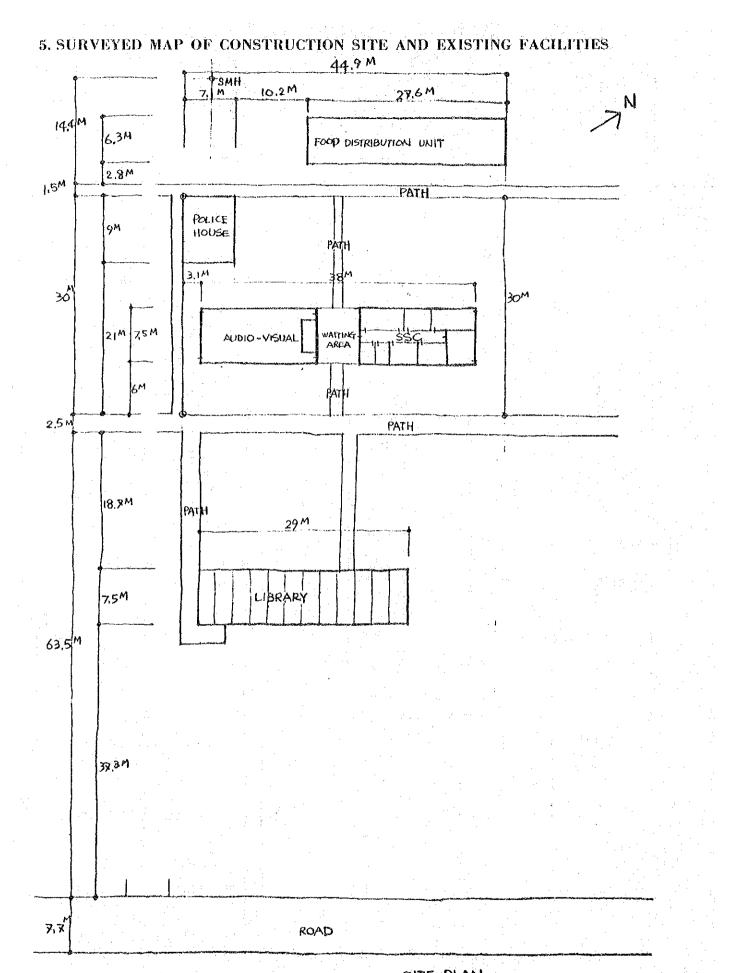
PROJECT

Philippine Refugee Processing Center, Morong, Bataan

MOISTURE CONTENT RESULTS

	<u>Sample</u>		Moistur	re	Content	, %
BH∝l	SPT-1 SPT-2 SPT-3	·	2	25. 24. 31.	69	
BH-2	SPT-1 SPT-2 SPT-3		ä	25. 22. 25.	50	
BH-3	SPT-1 SPT-2 SPT-3			26. 33. 36.	52	
BH-4A	SPT-1 SPT-2 SPT-3	t	3	8. 35. 15.	79	
BH-4B	SPT-1 SPT-2 SPT-3		1	22. 3. 4.	87	
BH-6	SPT-1 SPT-2 SPT-3		1	3. 9. 8.	09	
BH-7	SPT-1 SPT-2 SPT-3		 . 3	5. 5.	68	
BH-8	SPT-1 SPT-2 SPT-3		3	0. 1. 7.	86	*! . • •
	SPT-1 SPT-2 SPT-3		2	2. 7.	84	1.
BH-10	SPT-1 SPT-2 SPT-3		2	9. 7. 9.	02	
8H-11	SPT-1 SPT-2 SPT-3		2	8. 0.9	97	



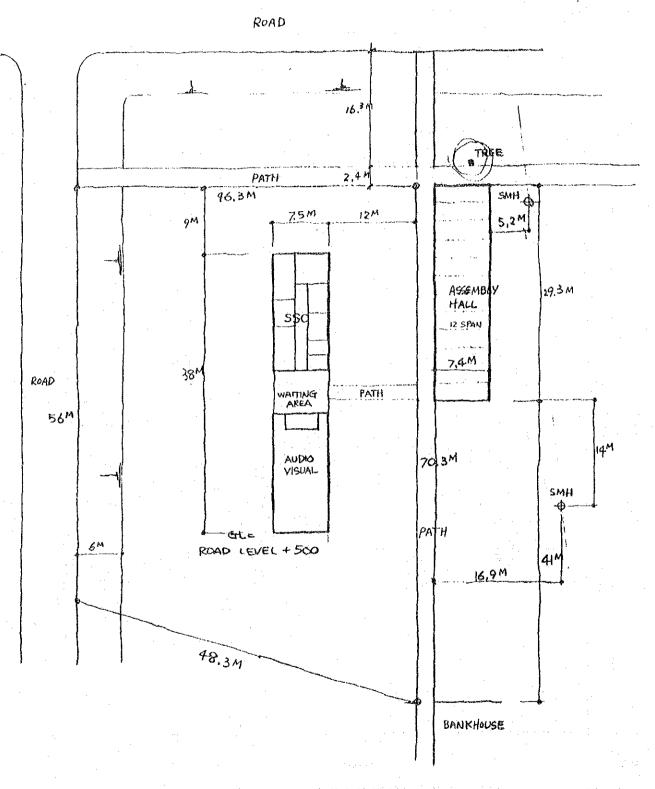


SITE PLAN 5.1500

1 AUDIO-VISUAL STUDENTS SERVICE CENTER

- 129 - LOCATION: PHASE-I NBHD-5

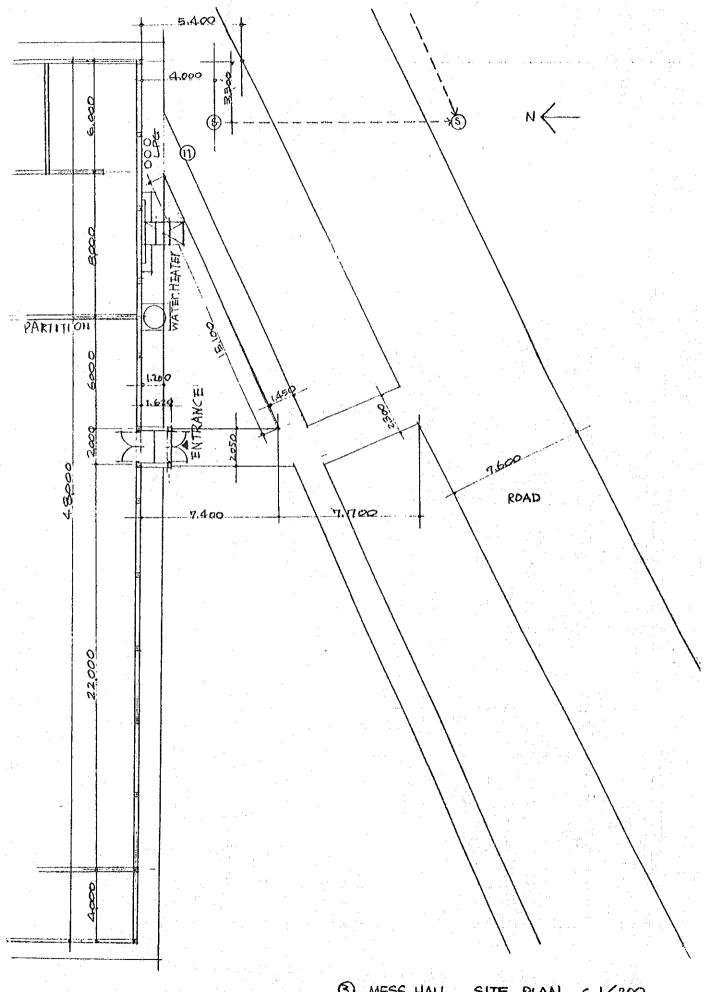




SITE PLAN S.1/500

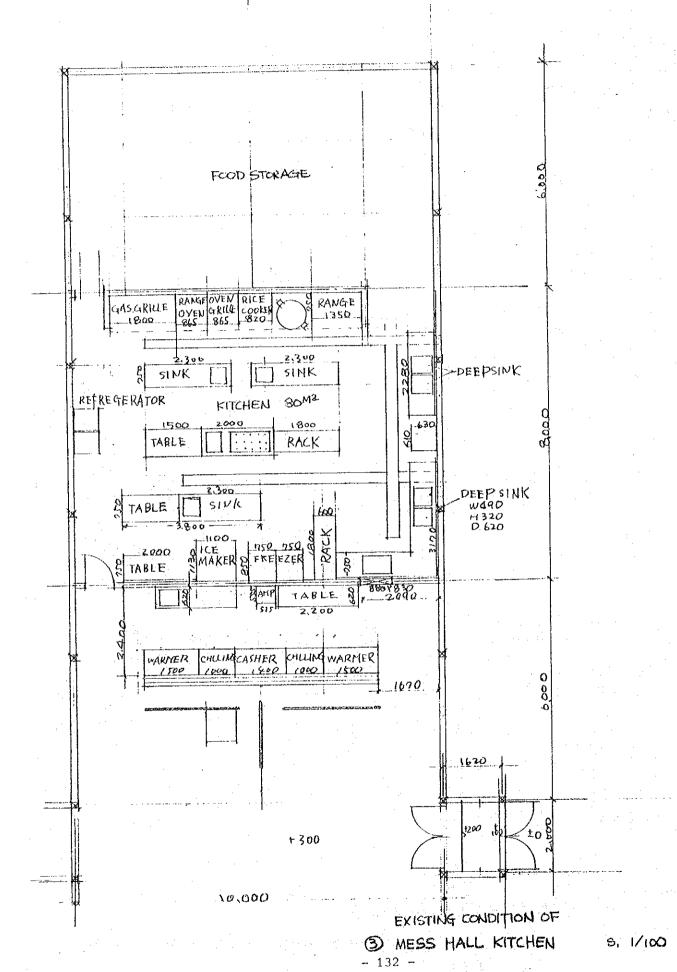
2 AUDIO-VIEUAL STUDENTS SERVICE CENTER

LOCATION: PHASE - II
- 130 - NBHD - 9



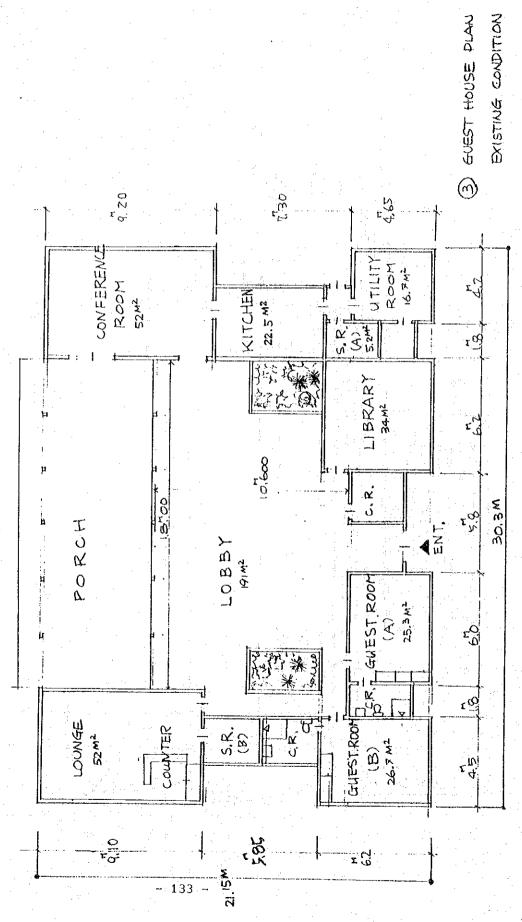
3 MESS HALL SITE PLAN S.1/200 - 131 -

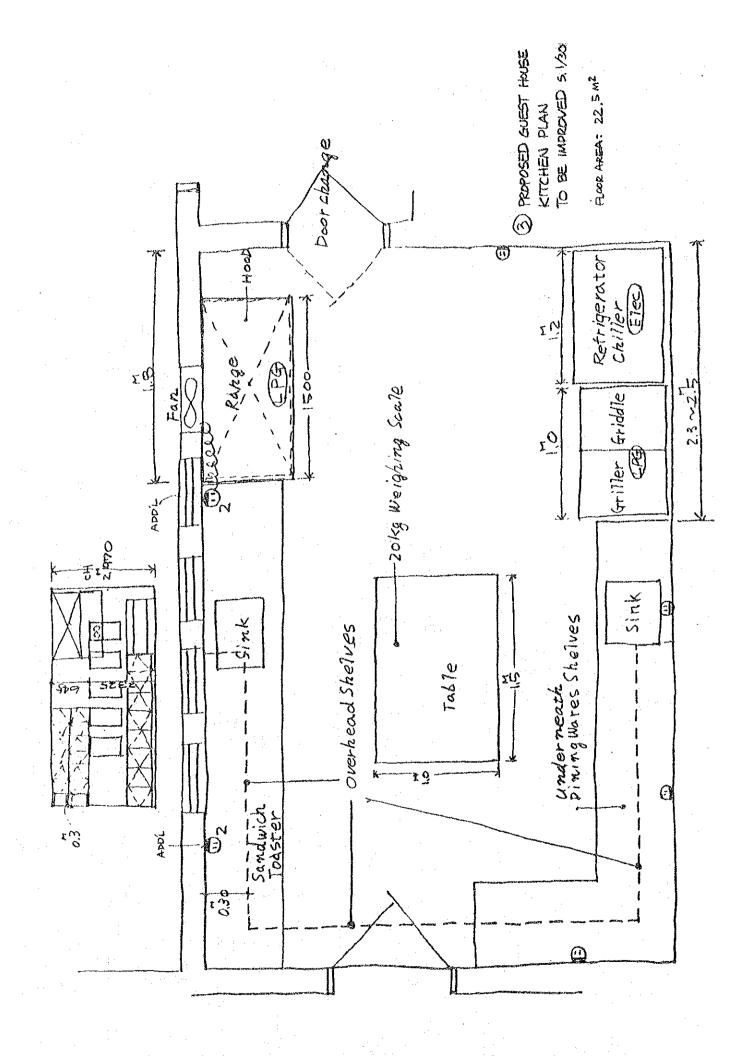
LOCATION : CENTRAL AREA

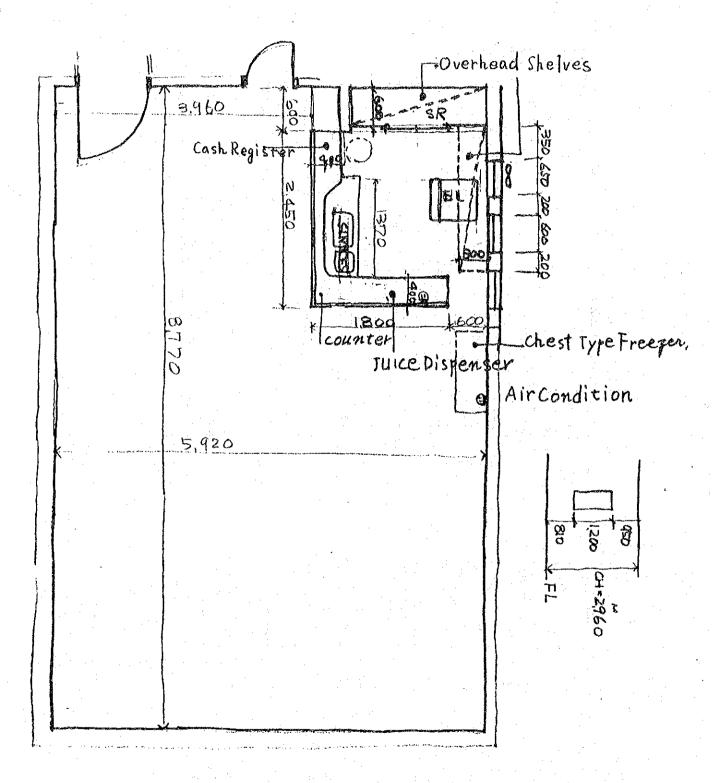


LOCATION ! CENTRAL AREA

T.

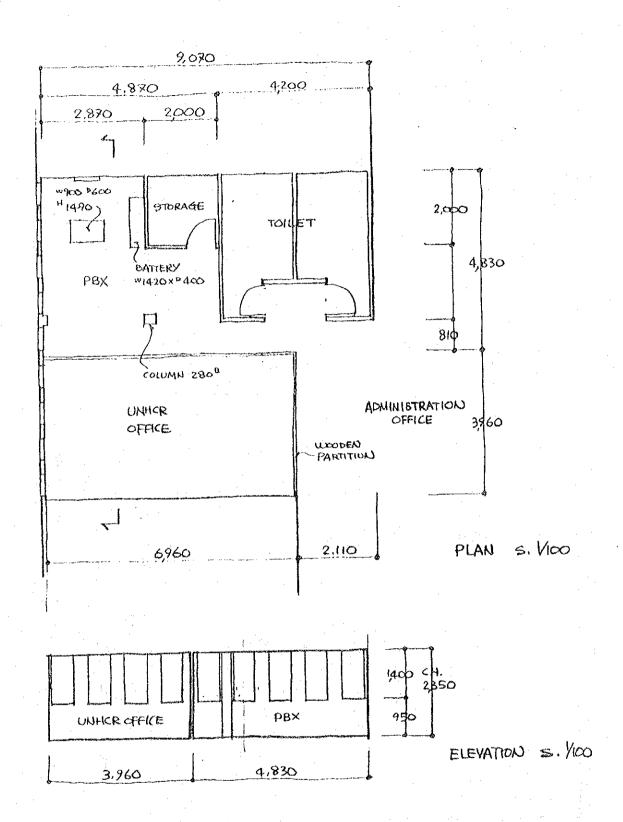






3 PROPOSED GUEST HOUSE LOUNGE PLAN
TO BE IMPROVED 5, 1/50

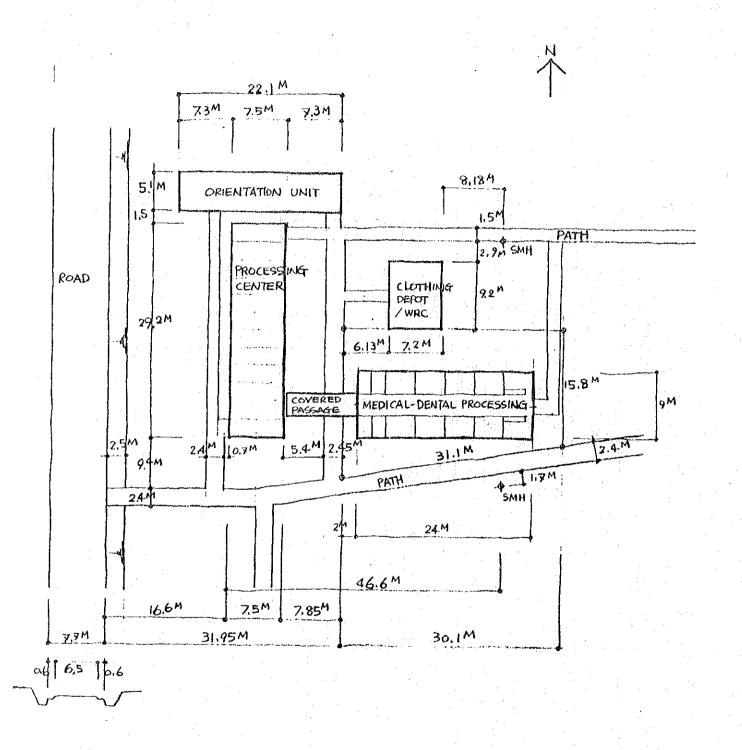
PLOOR AREA : 52 M2



PLAN OF EXISTING CONDITION

(5) P.A. SYSTEM CONTROL ROOM

LOCATION : ADMINISTRATION BLDG. CENTRAL AREA



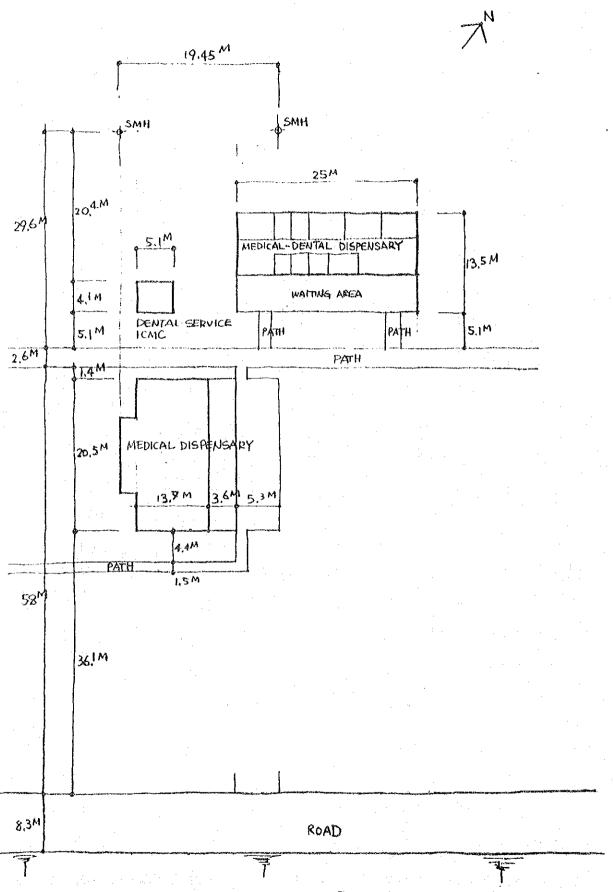
S. 1/500

MEDICAL-DENTAL PROCESSING CENTER

LOCATION: PHASE-I - 137 - NBHD-2

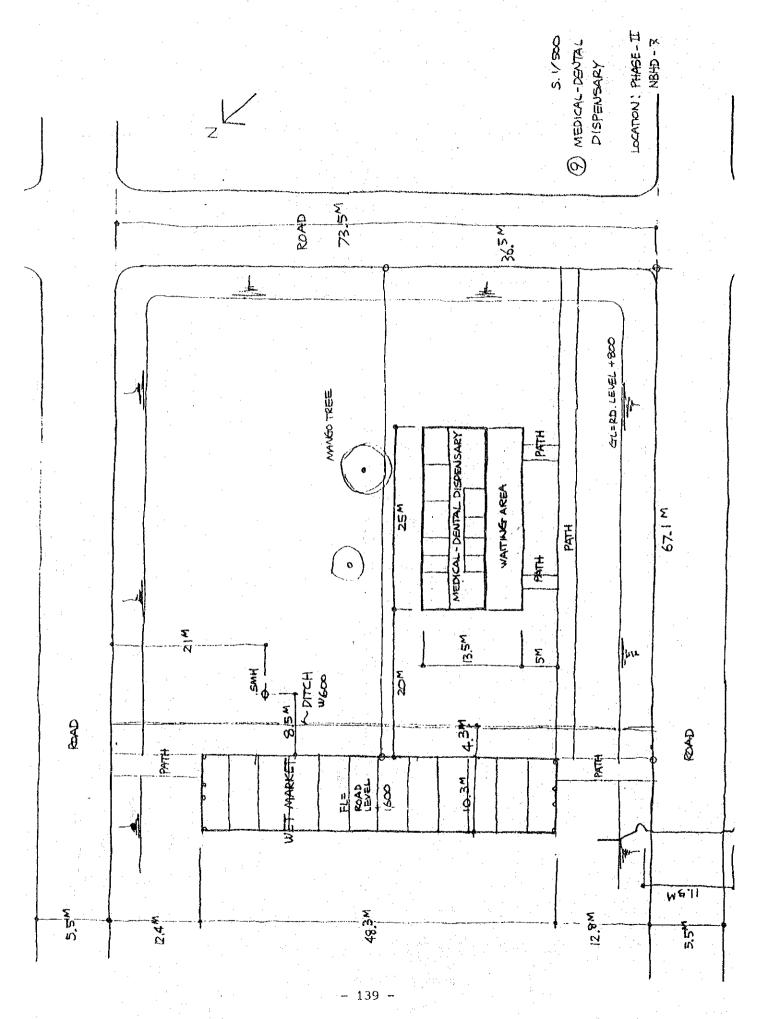
FLOOR AREA: PROCESSING CENTER COVERED PASSAGE.

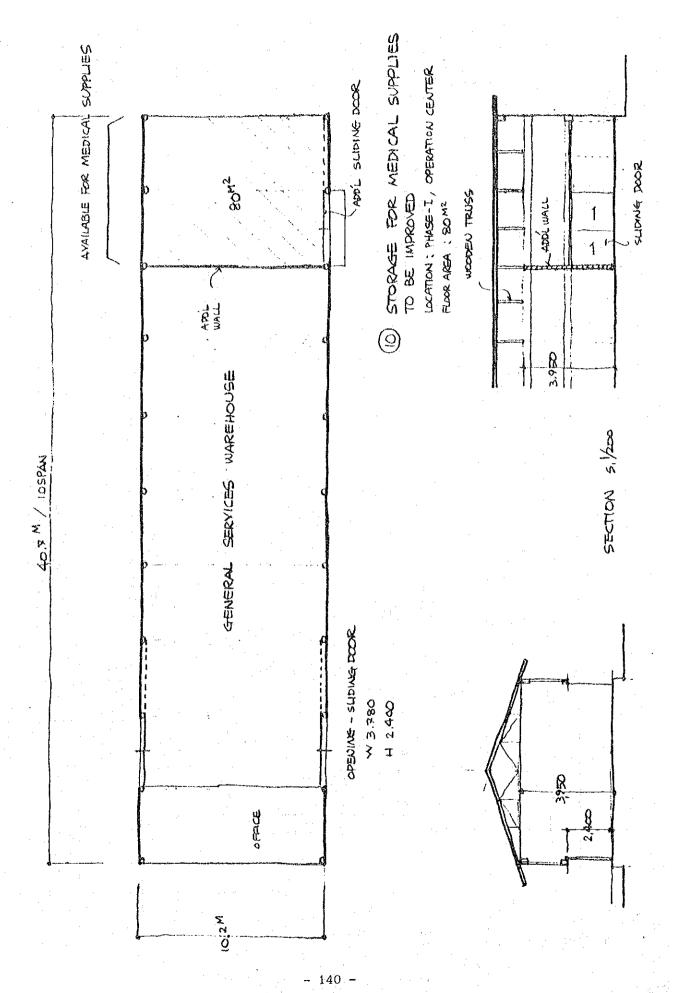
216 M2] 243 M2

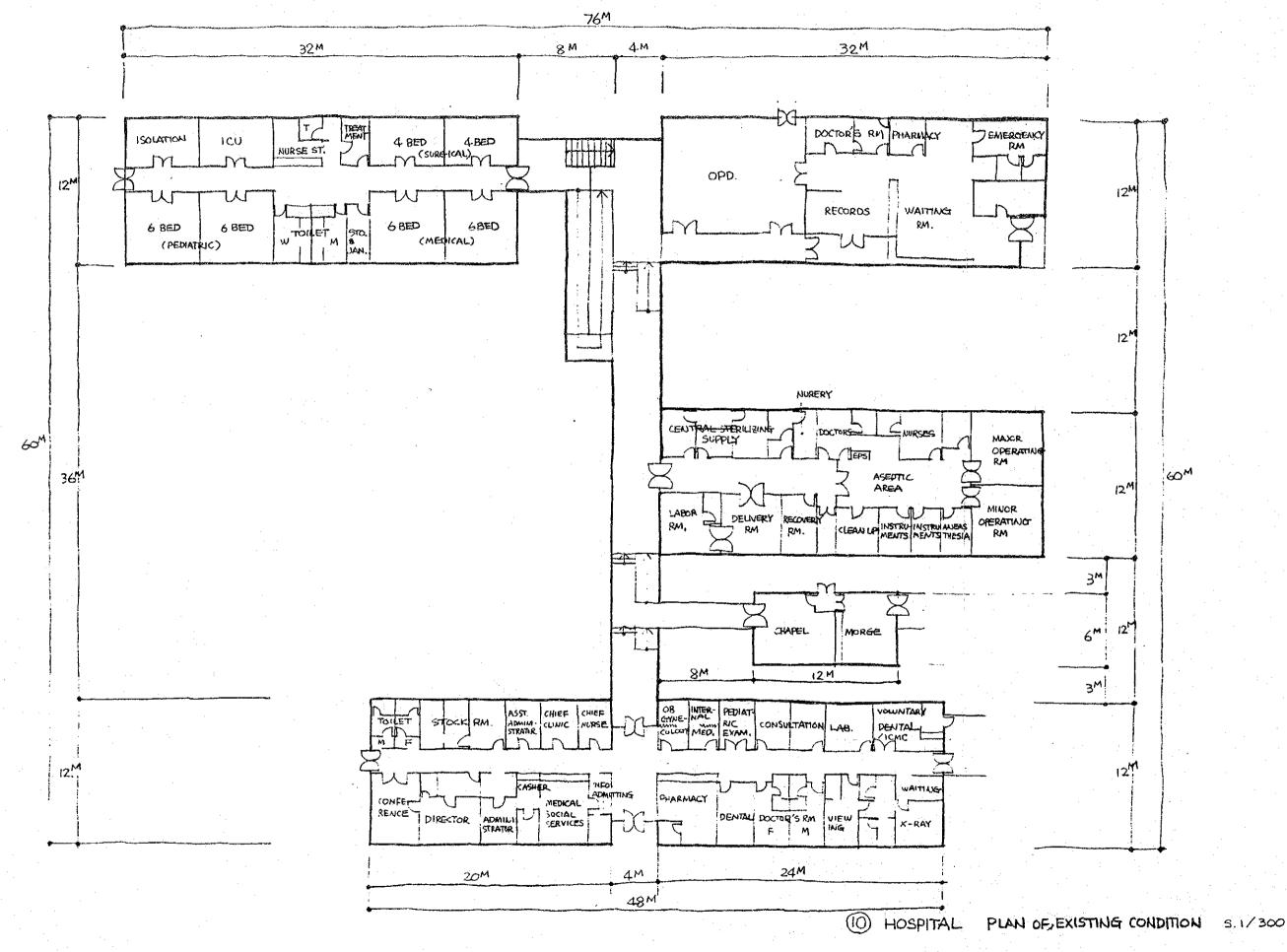


(8) MEDICAL-DENTAL DISPENSARY S. VSX

- 138 - LOCATION : PHASE-I NBHD-5







LOCATION : CENTRAL AREA

FLOOR AREA : 2088 M2

- 141 -

