

ANNEX

- 1. Member List of the Survey Team**
- 2. Survey Schedule**
- 3. List of Party Concerned in the Recipient Country**
- 4. Minutes of Discussion**
- 5. Cost Estimation Borne by the Recipient Country**
- 6. Other Relevant Data**
- 7. References**

1. Member List of the Survey Team

Annex-1. Member List of the Study Team

1-1 Basic Design Study Team

- | | |
|---|--|
| (1) Team Leader | Takeshi NARUSE
Director, First Project Study Division,
Grant Aid Project Study Department, JICA |
| (2) Technical Adviser | Takusei UMENAI
Prof., Dept of Health Policy and Planning,
GSIH, TOKYO UNIVERSITY |
| (3) Project Coordinator | Hidekazu TANEMURA
First Project Study Division,
Grant Aid Study Department, JICA |
| (4) Project Manager | Tetsuro NISHIMURA
KUME SEKKEI Co.,Ltd. |
| (5) Rural Medical System Planner | Masako TANAKA
KUME SEKKEI Co.,Ltd. |
| (6) Building Planner | Seijiro TAKEDA
KUME SEKKEI Co.,Ltd. |
| (7) Facilities Planner | Kazuma KOIZUMI
MOHRI, ARCHITECT & ASSOCIATES, INC. |
| (8) Water Supply Planner | Tatsuyuki KIKUTA
MOHRI, ARCHITECT & ASSOCIATES, INC. |
| (9) Equipment Planner | Yasumichi DOI
KUME SEKKEI Co.,Ltd. |
| (10) Cost Planner | Shuji NAGAI
KUME SEKKEI Co.,Ltd. |

1-2 Draft Explanation Team

- | | |
|---------------------------------|---|
| (1) Team Leader | Yasuhiro MORIMOTO
First Budget Division,
Finance and Accounting Department, JICA |
| (2) Project Manager | Tetsuro NISHIMURA
KUME SEKKEI Co.,Ltd. |
| (3) Building Planner | Seijiro TAKEDA
KUME SEKKEI Co.,Ltd. |
| (4) Water Supply Planner | Tatsuyuki KIKUTA
MOHRI, ARCHITECT & ASSOCIATES, INC. |
| (5) Equipment Planner | Yasumichi DOI
KUME SEKKEI Co.,Ltd. |

2. Survey Schedule

Annex-2. Survey Schedule

2-1 Basic Design Survey Schedule (Jun. 30 -- Jul. 26, 1998: 27 days)

No	Day	Wk	Activities							
			Leader & Officials ① ② ③	Project Manager ④	Medical System Planner ⑤	Building Planner ⑥	Facility Planner ⑦	Water Sup. Planner ⑧	Equipmnt Planner ⑨	Cost Planner ⑩
1	6/30	TUE	Narita 09:50(JL741) → Manila 13:10							
2	7/1	WED	Courtesy Call to JICA, NEDA, Meeting with DOH (Contents of the Study) Discussion with JICA Team → Leave to San Fernando							
3	2	THU	Visit to Tarlac MCH Center /RHU/BHS, Meeting w/Region-3 Health Office, Prep. Of Consensus Workshop							
4	3	FRI	Participation on Consensus Workshop							
5	4	SAT	Mr.Naruse & Dr.Umenai → Manila, Others → Joint Survey of Pampanga PHO/ Provincial Hospital /RHU /BHS							
6	5	SUN	Team Meeting / Surveyed Data Analysis							
7	6	MON	Meetina w/ JICA Team, Survey of Bulacan Hospital/RHU/BHS. Mr.Naruse visited PHIVOLCS → San Fernando			Site Survey / Tarlac Province	Site Survey /Bataan Province	Water Survey /Nueva Ecija	Same as ⑤	Same as ⑥
8	7	TUE	Diss. On Minits draft		Survey/ Tarlac					Same as ⑥
9	8	WED	→ Manila		Survey/ Bataan Provincial Hospital /RHU/BHS					Same as ⑥
10	9	THU	Continue to Survey	Pampanga → Manila	Survey/ Bulacan			Water Svy /Bulacan		Same as ④
11	10	FRI	Signing on Minutes, DOH, Report to EOJ,JICA		Survey/ Tarlac	Survey/ Pampanga		Water Svy /Tarlac		Cost Survey /Manila
12	11	SAT	→ Narita by JL-742	Related Information Collection, Analysis of Data.						
13	12	SUN	Team Meeting, Site Survey Schedule, Data Analysis.							
14	13	MON		Site Svy / Nueva Ecija	Survey of PHO /Nueva Ecija	Site Svy /Pampanga	Site Svy/ Zambales	Water Survey /Zambales	Same as ⑤	Cost Survey /Manila
15	14	TUE			Survey of PHO /Nueva Ecija, Pampanga.					Report to JICA,DOH
16	15	WED			Survey of PHO /Pampanga	Site Svy /Bulacan		Water Svy /Bataan		Cost Svy /Manila
17	16	THU			Survey of PHO /Zambales			Water Svy /Pampanga		Cost Svy /Pampanga
18	17	FRI			Survey of PHO /Zambales → Manila			Survey Results Analysis		Cost Svy /Zambales, Bataan
19	18	SAT	Analysis of Survey Results							
20	19	SUN	Team Meeting, Site Survey Schedule, Data Analysis,							
21	20	MON		Report Writing	Survey of Donors	Report Writing			Survey of Agents	
22	21	TUE		Sppl. Data Survey	JICA Team /Donors Survey	Addl Svy /Pampanga	Addl Svy/ Zambales	Material Survey	Same as ⑤	
23	22	WED		Report Writing	Donors Survey	Report Writing		Cost Survey		Survey of Agents, Manufg.
24	23	THU		Reprt/DOH, EOJ,JICA	Addl. Survey /Tarlac, Baguio	Same as ④	Material Cost Svy	→ Narita by JL472		
25	24	FRI		Final Reprt /RHO	→ Narita by JL472	"	Material Cost Svy			→ Narita by JL472
26	25	SAT		Analysis Of Data		Analysis Of Data				
27	26	SUN		→Narita by JL742		→ Narita by JL742				

Officials : ①Mr.Naruse, ②Dr.Umenai, ③Mr.Tanemura.

Consultants: ④Mr.Nishimura, ⑤Ms.Tanaka, ⑥Mr.Takeda, ⑦Mr.Koizumi, ⑧Mr.Kikuta, ⑨Mr.Doi, ⑩Mr.Nagai.

2-2 Draft Explanation Team (Oct.19 – Oct.28, 1998 : 10 days)

No	Day	Wk	Activities				
			Team Leader Mr. Morimoto	Project Manager Mr. Nishimura	Building Planner Mr. Takeda	Water Supply Mr. Kikuta	Equipment Planning Mr. Doi
1	10/19	MON	Narita 09:50 (JL741) → Manila 13:10 Courtesy Call to JICA Manila Office				
2	20	TUE	Courtesy Call and discussion w/ NEDA, DOH, JICA Team → San Fernand				
3	21	WED	Courtesy Call to Director RHO3 and Explanation of Draft Report Inspection of RHU/BHS and Discussion of Rural Health System				
4	22	THU	Workshop on Draft Explanation (DOH/RHO3, 6 PHOs, DILG3, JICA Team) Discussion on Minutes Draft (Joined w/ Mr. Nakamura JICA Staff)				
5	23	FRI	Discussion on Procedure of Project to Director DOH/RHO3 (w/ Mr. Nakamura JICA Staff) → Manila				
6	24	SAT	Team Meeting				
7	25	SUN	Data Analysis				
8	26	MON	Additional Data Survey Market Survey (Building Materials and Medical Equipment)				
9	27	TUE	Report to EOJ Courtesy Call to DOH, Explanation of Draft, Signing of Minutes				
10	28	WED	Manila 14:30 (JL742) → Narita 19:40				

3. List of Party Concerned in the Recipient Country

Annex-3 List of Parties Concerned in the Philippines

1. NEDA: National Economic Development Authority

Ms. Alely Bernardo	Chief, Economic Development
Ms. Cristina Santiago	Specialist, (Japan Desk)
Ms. Judith Condra	Monitoring
Mr. Lawrence N. Guevara	Economic Development Specialist I, PIS
Ms. Vanessa A. Dimaano	Economic Development Specialist I
Mr. Aurora M. Jonson	Director, Region 3 Office
Ms. Lynette Bautista	Asst. Director, Region 3 Office

2. DOH: Department of Health

Dr. Antonio Lopez	Under Secretary, Office of Public Health Services
Dr./Ms. Susy P. Mercado	Under Secretary
Dr./Ms. Cicles B. Santon	Assistant Secretary
Ms. Remedios Paulino	Director III, Foreign Assistance Coordination Services
Mr. Penafield	Architect, Health Infrastructure Services

3. DOH/RHO-3: Regional Health Office-3

Dr./Ms. Ethelyn P. Nieto	Director IV
Dr./Ms. Cecilia R. Paulino	Director III
Dr./Ms. Alma Marie C. Gomez	Health Education Planning Officer III
Dr. Benito Arca	Medical Officer VII
Dr./Ms. Eleanor G. Yosisaki	Medical Specialist III
Mr. Orencio Malonzo	Planning Officer III
Mr. Lourdes Macabulos	Planning Officer II
Ms. Elenita D. Pineda	Clerk II
Mr. Jose Lopez	Utility Worker I

4. DILG-3: Department of Interior and Local Government, Regional Office-3

Ms. Isabelita Pacson	Local Government Officer V
Ms. Jasmin M. Bartolo	Local Government Officer II
Mr. Ramon Ronquili	Chief, Technical Staff Development

5. Provincial Health Office

Bataan Province

Dr. Rolando S. Banzon	Provincial Health Officer II
Dr. Conrado L. Villazor	Bataan Provincial Hospital
Mr. Marcelina C. Rodriguez	Registered Nurse, Trainer FP/EPI
Mr. Fernando Guanzon	Engineer III
Ms. Miyuki Nisimura	Nurse/Midwife, JOCV

Bulacan Province

Dr. Eduardo Z. Valencia	Provincial Health Officer II
Dr. Gregorio G. Perez	Provincial Health Officer I
Dr. Alberto M. Bondoc	Chief, Technical Services
Mr. Alex Espiritu	Engineer III
Mr. Ferdi Moraks	Mechanical Engineer

<p>Nueva Ecija Province Dr. Bienvenido de Guzman Dr. Felicisimo Embuscado Dr./Ms. Natividad Banzon Dr./Ms. Flora Olaa Dr. Ronaldo E. Tanchoco Dr. Flordeliza V. Varanal</p>	<p>Provincial Health Officer II Provincial Health Officer I Medical Specialist IV Medical Specialist I Director, ELJ Memorial Hospital Medical Specialist, PHO</p>
<p>Pampanga Province Dr./Ms. Coronada Baltazar Dr. Paul Austria Dr./Ms. Lilia M. Carlos Ms. Urduja Dizon</p>	<p>Provincial Health Officer II (Acting) Municipal Health Officer, Arayat General Practitioner Accountant</p>
<p>Tarlac Province Dr. Ricardo Ramos Dr./Ms. Veaneffe Lazatin Ms. Josie P. Benitez</p>	<p>Provincial Health Officer II Municipal Health Officer Sanitary Inspector I (PHO)</p>
<p>Zambales Province Dr. Gregorio Cabacar Mr. Carlos Picos</p>	<p>Provincial Health Officer II Engineer III</p>
<p>6. UNs/Donors Dr./Ms. Ma Nilda Ruiz-Lambo Mr. Noel Sta. Ines Ms. Liza Yu Tabora Mr. Marichi G. de Sagun Dr./Ms. Maria Otelia D. Costales</p>	<p>MCH Project Manager, UNICEF, Philippines Operations Officer, The World Bank Project Manager I, ADB Desk Officer, Women's Health & Safe Motherhood Project, DOH Project Management Specialist, Office of Population, Health and Nutrition, USAID Country Representative, AVSC International</p>
<p>7. Others Dr./Ms. Esther D. Mironde</p>	<p>Director, Under Five Clinic, Baguio General Hospital and Medical Center</p>
<p>8. DOH-JICA FP/MCH Project(II) Dr. Kyo Hanada Dr. Suketaka Iwanaga Mr. Akio Taguchi Ms. Shoko Sato Ms. Yoko Komura Mr. Kenji Ikari Ms. Grace P. Dino Ms. Cecilia Marave Ms. Therese P. Fabian Mr. Jose T. Vivar Ms. Cecil C. Cinense</p>	<p>Team Leader FPMCH expert IEC Expert WIDS Expert Midwifery Expert Coordinator Project Officer Project Officer Project Staff Staff Project Staff, JICA Tarlac</p>

4. Minutes of Discussion

**MINUTES OF DISCUSSIONS
ON
THE BASIC DESIGN STUDY
ON
THE PROJECT FOR UPGRADING OF FACILITIES AND
EQUIPMENT IN SELECTED FIELD HEALTH UNITS IN
THE REPUBLIC OF THE PHILIPPINES**

In response to the request from the Government of the Philippines, the Government of Japan has decided to conduct a Basic Design Study on the Project for Upgrading of Facilities and Equipment in Selected Field Health Units in the Republic of the Philippines.(hereinafter referred to as "the Project"), and entrusted the study to the Japan International Cooperation Agency(JICA).

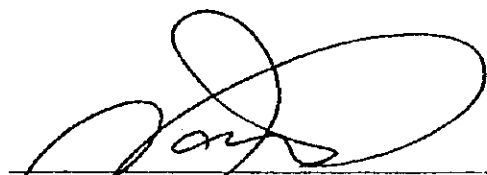
JICA sent to the Philippines a study team (hereinafter referred to as "the Team"), which is headed by Mr.Takeshi NARUSE,Director,First Project Study Division, Grant Aid Project Study Department, Japan International Cooperation Agency, and is scheduled to stay in the country from June 30 to July 11, 1998.

The Team held discussions with officials concerned of Department of Health and Provincial health offices in Region III,and conducted field surveys at the study area.

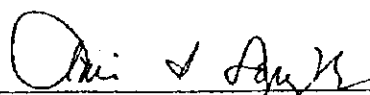
In the course of the discussions and field surveys, both parties have confirmed the main items described on the attached sheets.

Based on the Minutes of Discussions,The Team will proceed to further work and prepare the Basic Design Study Report.

Manila,July 10, 1998



Mr.Takeshi NARUSE
Leader,
Basic Design Study Team, JICA



Dr.Antonio LOPEZ, M.D., M.P.H.
Undersecretary,
Department of Health,
The Republic of the Philippines

ATTACHMENT

1. Objective

The objective of the Project is to strengthen the medical services and educational/training activities through upgrading of the facilities and equipment of Maternal and Child Health Center (MCHC) ,Rural Health Unit (RHU) ,Barangay Health Station (BHS) .

2. Project Site

Third Region,6 Provinces.

3. Responsible and Executing Organization.

(1) Responsible Agency : Department of Health

(2) Executing Agency :Provincial Health Offices

4. Items requested by the Philippine side.

(1) After discussions with the Team, the following was finally requested by the Philippine side;

1) Construction and Renovation of Facilities(MCHC/5,RHU/19,BHS/60) :
Details of Items are listed in Annex-1

2) Provisions of new Equipment:Details of items are listed in Annex 2
However, the final items of the Project will be decided after further studies.

(2) The Philippine side understood the Basic Criteria for the Selection of Equipment as described in Annex 3.

(3) The Philippine side understood the Basic Criteria for the Selection of Sites as described in Annex 4.

5. Japan's Grant Aid System

(1) The Philippine side understood the Japan's Grant Aid System as described in Annex 5.

(2) The Philippine side will take necessary measures, as described in Annex 6 for the smooth implementation of the Project, on condition that the Grant Aid by the Government of Japan is extended to the Project.

6. Schedule of the Study

(1) The consultants will proceed to further studies in The Philippines until July 26, 1998.

(2) JICA will prepare a draft basic design report in English and dispatch a mission to the Philippines in order to explain its contents around November, 1998.

(3) In case the contents of the draft basic design report is accepted in principle by the Philippine side, JICA will complete the final report and send it to the Philippine side around January, 1999.

7. The Japanese side and The Philippine side held a Workshop and confirmed the following;

- (1) The PDM which was initially made at the beginning of the Technical Cooperation reflects the entire project.
- (2) New activities and new Philippine side undertakings necessary for the grant aid are clarified, and both sides agreed to modify the PDM as described in Annex 7.
- (3) In order to achieve the project objective, three elements such as Grant aid, Technical Cooperation and The Philippine side's undertakings need to harmonize in a collaborative manner.

8. Submission of necessary information and documents

The Philippine side agreed to submit a copy of the following by 25 July 1998 to the Team.

- (1) Document which assures site.
- (2) Budget Revenue and Expenditure of health sector of each Provincial Government and Municipal Government.
- (3) others, if consultant team requests.

9. Other Relevant Issues

- (1) The Custom duties and Banking arrangement shall be arranged by the Department of Health.
- (2) The Philippine side requested to procure local materials / equipments as much as possible to reduce customs duties.
- (3) The Philippine side agreed to the removal of existing facilities and implement site clearance before commencement of the construction work.
- (4) With modified sites, The Philippine side should clear internal matters if necessary, until the Detailed Design.

LIST OF PROPOSED SITES

BATAAN	1.1	Maternal and Child Health Center (MCHC):		
		Bataan Provincial Hospital		
			Balanga,	Bataan
	1.2	Rural Health Units (RHUs)/Main Health Centers (MHCs):		
		1.2.1	Cabcaben, Cabcaben,	Marivels
		1.2.2	Bagac, Bagac,	Bataan
		1.2.3	Orion, Orion,	Bataan
		* 1.2.4	Hermosa, Hermosa,	Bataan
	1.3	Barangay Health Stations (BHSs)		
		1.3.1	Tipo, Hermosa,	Bataan
		1.3.2	Mabiga, Hermosa,	Bataan
		1.3.3	Tapulao, Orani,	Bataan
		1.3.4	Roosevelt, Dinalupihan,	Bataan
		1.3.5	Sabatan, Orion,	Bataan
		1.3.6	Gen. Lim, Orion,	Bataan
	1.3.7	Sapa, Samal,	Bataan	
	1.3.8	Omboy, Abucay,	Bataan	
	1.3.9	Tortugas, Balanga,	Bataan	
	1.3.10	Pita, Dinalupihan,	Bataan	
	* 1.3.11	Nagwaling, Pilar,	Bataan	
BULACAN	2.1	Maternal and Child Health Center (MCHC):		
		Bulacan Provincial Hospital,		
			Malolos,	Bulacan
	2.2	Rural Health Units (RHUs)/Main Health Centers (MHCs):		
		2.2.1	Poblacion Obando, Obando,	Bulacan
		2.2.2	San Miguel RHU III, Salacot, San Miguel,	Bulacan
		2.2.3	San Rafael RHU II, Maguinao, San Rafael,	Bulacan
	2.3	Barangay Health Stations (BHSs)		
		2.3.1	Bulubad, Bulacan,	Bulacan
		2.3.2	Buguion, Calumpit,	Bulacan
		2.3.3	San Pedro, San Jose del Monte,	Bulacan
		2.3.4	Pinalagpan, Paombong,	Bulacan
		2.3.5	Dulong Malabon, Pulilan,	Bulacan
		2.3.6	Bubulong Munti, San Idefonso,	Bulacan
		2.3.7	Muzon, San Jose del Monte,	Bulacan
	2.3.8	Diliman I, San Rafael,	Bulacan	
	2.3.9	Sta Cruz, Sta. Maria,	Bulacan	
	2.3.10	Bagbaguin, Sta. Maria	Bulacan	
	* 2.3.11	Masucol, Paombong,	Bulacan	
	* 2.3.12	Meysulao, Calumpit,	Bulacan	

- NUEVA ECIJA**
- 3.1 Maternal and Child Health Center (MCHC):
Eduardo L. Josen Memorial Hospital
Cabanatuan, Nueva Ecija
- 3.2 Rural Health Units (RHUs)/Main Health Centers (MHCs):
- 3.2.1 Pantabanga, Nueva Ecija
- 3.2.2 Gabaldon, Nueva Ecija
- 3.2.3 San Isidro, Nueva Ecija
- 3.3 Barangay Health Stations (BHSs)
- 3.3.1 Labi, Bongabon, Nueva Ecija
- 3.3.2 San Felipe, Laur, Nueva Ecija
- 3.3.3 Pinahan, Gen Natividad, Nueva Ecija
- 3.3.4 Paitan Sur, Cuyapo, Nueva Ecija
- 3.3.5 Punca, Carrangian, Nueva Ecija
- 3.3.6 Aluta, Talugtog, Nueva Ecija
- 3.3.7 San Nicolas, Lianera, Nueva Ecija
- 3.3.8 Concepcion, Gen.Tinio, Nueva Ecija
- 3.3.9 San Miguel, Quezon, Nueva Ecija
- 3.3.10 Monic, Nampicuan, Nueva Ecija
- * 3.3.11 Baybayabas, Talugtog, Nueva Ecija
- * 3.3.12 Gen.Luna, Carrangian, Nueva Ecija
- * 3.3.13 Sta.Clara, Quezon, Nueva Ecija
- * 3.3.14 Inanama, Llanera, Nueva Ecija
- * 3.3.15 Siclang, Laur, Nueva Ecija
- * 3.3.16 Olivete, Bongabon, Nueva Ecija

- PAMPANGA**
- 4.1 Maternal and Child Health Center (MCHC):
Pampanga Provincial Hospital, Guagua
Guagua, Pampanga
- 4.2 Rural Health Units (RHUs)/Main Health Centers (MHCs):
- 4.2.1 Arayat RHU I, Arayat, Pampanga
- 4.2.2 San Ildefonso, Magalang II, Magalang, Pampanga
- 4.2.3 Mexico, Mexico, Pampanga
- 4.3 Barangay Health Stations (BHSs)
- 4.3.1 Sta.Cristo, Lubao, Pampanga
- 4.3.2 Malabo, Floridablanca, Pampanga
- 4.3.3 Tagulod, Candaba, Pampanga
- 4.3.4 Paligui, Apalit, Pampanga
- 4.3.5 Pufungmasle, Guagua, Pampanga
- 4.3.6 San Isidro, San Luis, Pampanga
- 4.3.7 Battang II, Sasmuan, Pampanga
- 4.3.8 Aguso, San Francisco, Pampanga
- 4.3.9 Pio, Porac, Pampanga
- 4.3.10 San Juan, Sta.Ana, Pampanga
- * 4.3.11 Parian, Mexico, Pampanga

TARLAC	5.1	Rural Health Units (RHUs)/Main Health Centers (MHCs):		
	5.1.1	San Clemente,	San Clemente,	Tarlac
	5.1.2	Moncada,	Moncada,	Tarlac
	5.1.3	La Paz,	La Paz,	Tarlac
	5.1.4	Victoria II,		Tarlac
	5.2	Barangay Health Stations (BHSs)		
	5.2.1	Manga,	Capas,	Tarlac
	5.2.2	Ventinilia,	Paniqui,	Tarlac
	5.2.3	Dela Paz,	Tarlac,	Tarlac
	5.2.4	Parang,	Concepcion,	Tarlac
	5.2.5	San Francisco,	Sta. Ignacia,	Tarlac
	5.2.6	Aringin,	Moncada,	Tarlac
	5.2.7	Tancarang,	Mayantoc,	Tarlac
	5.2.8	Quezon,	Gerona,	Tarlac
	5.2.9	Pacpaco,	San Manuel,	Tarlac
5.2.10	Nilasin,	Pura Ist.	Tarlac	
* 5.2.11	San Juan,	Ramos,	Tarlac	
ZAMBALES	6.1	Maternal and Child Health Center (MCHC):		
		Pres. Ramon Magsaysay Memorial Hospital		
		Iba,		Zambales
	6.2	Rural Health Units (RHUs)/Main Health Centers (MHCs):		
	6.2.1	Sta. Cruz RHU I,	Sta. Cruz,	Zambales
	6.2.2	Botolan RHU II,	San Juan, Botolan,	Zambales
	6.2.3	San Antonio RHU,	San Antonio,	Zambales
	6.3	Barangay Health Stations (BHSs)		
	6.3.1	Macarang,	San Marcelino,	Zambales
	6.3.2	San Isidro,	Subic,	Zambales
	6.3.3	Omayá,	San Narciso,	Zambales
	6.3.4	Sta. Barbara,	Iba,	Zambales
	6.3.5	Panglit,	San Lorenzo, Masinloc,	Zambales
	6.3.6	Babancal,	Candelaria,	Zambales
	6.3.7	Tubo-tubo South,	Sta. Cruz,	Zambales
6.3.8	Balincaging,	San Felipe,	Zambales	
6.3.9	Felimida Diaz,	Cabangan,	Zambales	
6.3.10	Looc,	Castillejos,	Zambales	
* 6.3.11	Sta. Fe,	San Marcelino,	Zambales	
* 6.3.12	Sabang,	Sta. Cruz,	Zambales	
* 6.3.13	Laoag,	San Felipe,	Zambales	
* 6.3.14	Tubo-tubo,	North Sta. Cruz,	Zambales	
* 6.3.15	Sta. Tomas,	Subic,	Zambales	

* alternative sites

Requested Equipment

[Barangay Health Station]

- 1 Hilot kit
- 2 Weighing Scale (Adult)
- 3 Weighing Scale (Pediatric, Hanging Type)
- 4 Sphygmomanometer (Table Type)
- 5 Stethoscope
- 6 Umbilical Cord Clamp
- 7 Megaphone
- 8 Examining Table
- 9 Kelly Pad
- 10 Cusco's Vaginal Speculum
- 11 Syringes with needles
- 12 Three-panel screen
- 13 JFPA Magnel display
- 14 Universal diagnostic set
- 15 VHF
- 16 Vaginal speculum (medium)
- 17 Tenaculum
- 18 Uterine Forceps
- 19 Ovum Forceps
- 20 Scissors
- 21 Hysterometer
- 22 Hemometer
- 23 Instrument Sterilizer
- 24 Typewriter
- 25 Filing Cabinet
- 26 Other necessary equipment

[Rural Health Unit]

- 1 Home delivery kit
- 2 Hilot kit
- 3 Weighing Scale (Adult)
- 4 Weighing Scale (Pediatric, Hanging Type)
- 5 Ambubag (Adult)
- 6 Ambubag (Pediatric)
- 7 Doppler Apparatus
- 8 Oxygen Gauge
- 9 Oxygen Tank (200 l) with carriage
- 10 Suction Unit
- 11 Sphygmomanometer (Table Type)
- 12 Stethoscope
- 13 Refrigerator (5 f3)
- 14 Umbilical Cord Clamp
- 15 Megaphone
- 16 Boiling Sterilizer
- 17 Examining Table
- 18 Kelly Pad

- 19 Operating lamp
- 20 Cusco's Vaginal Speculum
- 21 Syringes with needles
- 22 Three-panel screen
- 23 JFPA Magnel display
- 24 Universal diagnostic set
- 25 VHF
- 26 Vaginal speculum (medium)
- 27 Tenaculum
- 28 Uterine Forceps
- 29 Ovum Forceps
- 30 Scissors
- 31 Hysterometer
- 32 Hemometer
- 33 Nebulizer
- 34 Instrument Sterilizer
- 35 Instrument pushcart/trolley
- 36 Dental Unit
- 37 Typewriter
- 38 Motorcycle (125 cc)
- 39 Filing Cabinet
- 40 Minor Surgical Instrument Set
- 41 Other necessary equipment

[Maternal and Child Health Center]

- 1 Ambubag (Adult)
- 2 Ambubag (Pediatric)
- 3 Sphygmomanometer
- 4 Stethoscope
- 5 Sound system
- 6 Stretcher
- 7 Typewriter (electric)
- 8 Sphygmomanometer (Stand type)
- 9 Sphygmomanometer (Table Type)
- 10 Stethoscope (Littman type)
- 11 Oxygen Gauge
- 12 Oxygen Tank (200 l) with carriage
- 13 ECG (Portable type)
- 14 Nebulizer
- 15 Suction Unit
- 16 Filing Cabinet
- 17 Refrigerator (5 f3)
- 18 Doppler Apparatus
- 19 Pregnancy Test Kit
- 20 Urine Test Kit
- 21 Other necessary equipment

[Regional Health Office]

- 1 IEC Van
- 2 IEC equipment
- 3 Other necessary equipment

Basic Criteria for Selection of Equipment

1) Priority Criteria

- (1) Equipment to be replaced with the existing deteriorated equipment.
- (2) Equipment to be supplemented additionally for the existing equipment whose quantity are definitely in short.
- (3) Equipment to be utilized for basic activities.
- (4) Equipment with no difficulty on the operation and maintenance.
- (5) Equipment to be utilized for great benefit.
- (6) Equipment which produce high cost effectiveness.
- (7) Equipment to be operated and maintained properly by the present technical level of the staff.
- (8) Equipment whose operation and maintenance manpower are established or will be established soon whether in-side or out-side staff.
- (9) Equipment suitable for social background conditions.
- (10) Equipment which might be possible cooperate and coordinate with other donor.

2) Deletion Criteria

- (1) Equipment which need high operation and maintenance cost.
- (2) Equipment to be utilized for small benefit.
- (3) Equipment which produce low cost effectiveness.
- (4) Equipment to be utilized by employing more simple type.
- (5) Equipment which produce waste materials causing environmental contamination problem.
- (6) Equipment which might be used for individual use by the staff.
- (7) Equipment might be requested more than optimal minimum quantity (ineffective and duplicate equipment).
- (8) Equipment with some difficulty for spare parts and consumables supplies in local site.
- (9) Equipment to be operated and maintained improperly by the present technical level of the staff.
- (10) Equipment whose operation and maintenance manpower is not established or will not be established soon whether in-side or out-side staff.
- (11) Equipment unsuitable for social background conditions.
- (12) Equipment with additional infrastructure improvement work (such as water, electricity and drainage. etc.) for the installation.
- (13) Equipment with proper utilization of the existing equipment.

Basic Criteria for Selection of the Site

1. Criteria for Priority

- (1) Distance to the nearest health facility.
- (2) Adequate catchment population size.
- (3) Availability of land.
- (4) Local Government support.
- (5) No-risk of lahar damage

2. Criteria for Selection

- (1) Evidence of site assurance.
- (2) Sufficient site area for construction work.
- (3) Access to the site during construction by lorry.
- (4) Enough capability for management and maintenance.
- (5) Participation of community people.
- (6) No calamity such as flood, landslide, lahar, etc.



JAPAN'S GRANT AID PROGRAM

1. Japan's Grant Aid Procedures

(1) The Japan's Grant Aid Program is executed by the following procedures.

Application (Request made by a recipient country)

Study (Preliminary Study / Basic Design Study conducted by JICA)

Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet of Japan)

Determination of Implementation (Exchange of Notes between the both Governments)

Implementation (Implementation of the Project)

(2) Firstly, an application or a request for a project made by the recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to see whether or not it is suitable for Japan's Grant Aid. If the request is deemed suitable, the Government of Japan entrusts a study on the request to JICA (Japan International Cooperation Agency).

Secondly, JICA conducts the Study (Basic Design Study), using a Japanese consulting firm. If the background and objective of the requested project are not clear, a Preliminary Study is conducted prior to a Basic Design Study.

Thirdly, the Government of Japan appraises the Project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study Report prepared by JICA and the results are then submitted to the Cabinet for approval.

Fourthly, the Project approved by the Cabinet becomes official when pledged by the Exchange of Notes signed by the both Governments.

Finally, for the implementation of the Project, JICA assists the recipient country in preparing contracts and so on.

2. Contents of the Study

(1) Contents of the Study

The purpose of the Study (Preliminary Study/Basic Design Study) conducted on a project requested by JICA is to provide a basic document necessary for appraisal of the project by the Japanese Government. The contents of the

Study are as follows:

- a) to confirm background, objectives, benefits of the project and also institutional capacity of agencies concerned of the recipient country necessary for project implementation,
- b) to evaluate appropriateness of the Project for the Grant Aid Scheme from a technical, social and economical point of view,
- c) to confirm items agreed on by the both parties concerning a basic concept of the project,
- d) to prepare a basic design of the project,
- e) to estimate cost involved in the project.

Final project components are subject to approval by the Government of Japan and therefore may differ from an original request.

Implementing the project, the Government of Japan requests the recipient country to take necessary measures involved which are itemized on Exchange of Notes.

(2) Selecting (a) Consulting Firm(s)

For smooth implementation of the study, JICA uses (a) consulting firm(s) registered. JICA selects (a) firm(s) through proposals submitted by firms which are interested. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference made by JICA. The consulting firm(s) used for the study is (are) recommended by JICA to a recipient country after Exchange of Notes, in order to maintain technical consistency and also to avoid possible undue delay in implementation caused if a new selection process is repeated.

(3) Status of a Preliminary Study in the Grant Aid Program

A Preliminary Study is conducted during the second step of a project formulation & preparation as mentioned above.

A result of the study will be utilized in Japan to decide if the Project is to be suitable for a Basic Design Study

Based on the result of the Basic Design Study, the Government would proceed to the stage of decision making process (appraisal and approval) .

It is important to notice that at the stage of Preliminary Study, no commitment is made by the Japanese side concerning the realization of the Project in the scheme of Grant Aid Program.

3. Japan's Grant Aid Scheme

(1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non reimbursable funds needed to procure facilities, equipment and services for economic

and social development of the country under the following principles in accordance with relevant laws and regulations of Japan. The Grant Aid is not in a form of donation or such.

(2) Exchange of Notes (E/N)

The Japan's Grant Aid is extended in accordance with the Exchange of Notes by both Governments, in which the objectives of the Project, period of execution, conditions and amount of the Grant etc. are confirmed.

(3) "The period of the Grant Aid" means one Japanese fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedure such as Exchange of Notes, concluding a contract with (a) consulting firm(s) and (a) contractor(s) and a final payment to them must be completed.

(4) Under the Grant, in principle, products and services of origins of Japan or the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant may be used for the purchase of products or services of a third country origin.

However the prime contractors, namely, consulting, contractor and procurement firms, are limited to "Japanese nationals".(The term "Japanese nationals" means Japanese physical persons or Japanese juridical persons controlled by Japanese physical persons.)

(5) Necessity of the "Verification"

The Government of the recipient country or its designated authority will conclude into contracts in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. The "Verification" is deemed necessary to secure accountability to Japanese tax payers.

(6) Undertakings required to the Government of the recipient country

In the implementation of the Grant Aid, the recipient country is required to undertake necessary measures such as the following:

- a) to secure land necessary for the sites of the project and to clear and level the land prior to commencement of the construction work,
- b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,
- c) to secure buildings prior to the installation work in case the Project is providing equipment,

- d) to ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid,
- e) to exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts,
- f) to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

(7) Proper Use

The recipient country is required to maintain and use facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for their operation and maintenance as well as to bear all expenses other than those to be borne by the Grant Aid.

(8) Re-export

The products purchased under the Grant Aid shall not be re-exported from the recipient country.

(9) Banking Arrangement (B/A)

- a) The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by Government of the recipient country or its designated authority under the contracts verified.
- b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay issued by the Government of the recipient country or its designated authority.



NECESSARY MEASURES TO BE TAKEN
BY THE PHILIPPINES SIDE

1. to provide data and information necessary for the Project,
2. to secure the site for the Project,
3. to bear commissions to the Japanese foreign exchange bank for its banking service based upon the Banking Arrangement (B/A), namely the advertising commission of the Authorization to Pay (A/P) and payment commission,
4. to ensure prompt unloading, tax exemption, customs clearance at the port of disembarkation and prompt internal transportation therein of the materials and equipment for the Project purchased under the Grant Aid,
5. to exempt Japanese juridical and physical nationals engaged in the Project from customs duties, internal taxes and other fiscal levies which may be imposed in the Philippines with respect to the supply of the products and services under the verified contracts,
6. to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such facilities as may be necessary for their entry into the Philippines and stay therein for the performance of their work,
7. to provide necessary permissions, licenses and other authorizations for implementing the Project, if necessary,
8. to assign appropriate budget and staff for proper and effective operation and maintenance of equipment procured under the Grant Aid,
9. to maintain and use properly and effectively the equipment procured under the Project, and
10. to bear all the expenses, other than those to be borne by the Japan's Grant Aid within the scope of the Project
11. to clear, level and reclaim the site prior to commencement of the Project
12. to undertake incidental outdoor works such as gardening, fencing, gates and exterior lightning in and around the site
13. to provide facilities for distribution of electricity, water supply, telephone, drainage, sewerage and other incidental facilities to the site
 - (1) electricity distributing line to the site
 - (2) water distribution main to the site
 - (3) drainage main to the site
 - (4) telephone line to the site
 - (5) general furniture such as carpets, curtains, tables, chairs and others

PROJECT DESIGN MATRIX

SUMMARY OF OBJECTIVES/ACTIVITIES	OBJECTIVELY VERIFIABLE INDICATORS	MEANS/ SOURCES OF VERIFICATION	IMPORTANT ASSUMPTIONS
<p>OVERALL GOAL</p> <p>To improve health status through the DOH's Reproductive Health strategy in Region III</p>	<p>INDICATORS THAT GOAL HAS BEEN ACHIEVED</p> <p>-Health indicators -Socio-economic indicators</p>	<p>Philippine Census: Demographic & Health Survey (DHS)</p>	<p>Other government policies, particularly socio-economic & development policies, are supportive of health policy</p>
<p>PROJECT PURPOSE</p> <p>To achieve region-wide improvements in reproductive health status among all the provinces in Region III (Central Luzon) through dissemination of the gains from the FP/MCH Project in Tarlac</p>	<p>INDICATORS THAT PROJECT PURPOSE HAS BEEN ACHIEVED</p> <p>-Improvement of Infant Mortality Rate (IMR) and Maternal Mortality Rate (MMR) in the project area; -Increase in Contraceptive Prevalence Rate (CPR) in the project area -Increase in the % attendance for Prenatal & Postnatal Check-ups</p>	<p>Needs Assessment Report Monitoring & Evaluation Reports/ Service Statistics</p>	<p>-DOH continues its commitment to prioritize FP & MCH programs -Adequate budget, manpower & facilities are available for the DOH to carry out its programs effectively & efficiently -Interagency networking among GOs, NGOs & other donor agencies involved in FP & MCH is in place;</p>
<p>RESULTS / OUTPUTS</p> <p>1. Improved management & objective evaluation of project 2. Developed manpower resources thru formal/informal skills training, mutual exchange of information with other health workers & technical transfer by experts in relevant fields 3. Improved capability of local government staff to manage health programs 4. Improved health status of community people in the project areas thru people's active participation in health activities 5. Smooth dissemination of IEC materials pilot-tested in the project area</p>	<p>-No. of health workers sent for technical training -No. of local training courses conducted</p> <p>-List of medical & IEC equipment provided according to specifications -Increase in volume of clients who visit facility for primary health care -Community health /welfare organizations in place & functioning -Quality & quantity of IEC materials produced & distributed</p>	<p>-Survey monitoring & evaluation report -Training documents -Training documents and Attendance Sheets</p> <p>-Deed of Donation; -Equipment Inventory</p> <p>-Clinic & BHS records -Documentation of activities</p> <p>-Sample of IEC materials -No of IEC materials disseminated</p>	<p>-Capability of local government staff to support project activities; -Proper utilization and maintenance of equipment & facilities -Smooth coordination among all agencies involved in the project thru the Joint Coordinating Committee -Regional & Provincial Coordinating Committees are functioning properly</p>

Continue to next page,

SUMMARY OF OBJECTIVES/ACTIVITIES			IMPORTANT ASSUMPTIONS		
<p>ACTIVITIES</p> <ol style="list-style-type: none"> 1. Conduct of survey, monitoring and evaluation activities in collaboration with research & academic institutions 2. Implementation of Training/Re-training program for health workers (Midwives Nurses, Health Officials) 3. Upgrade of facilities & medical & IEC equipment 4. Conduct of health-related community participation activities 5. Development, production & dissemination of IEC materials 	<p>INPUTS (TECHNICAL ASSISTANCE)</p> <table border="0"> <tr> <td style="vertical-align: top;"> <p><u>Japanese side:</u></p> <ul style="list-style-type: none"> - Experts: Chief Advisor, Coordinator, FP/MCH, Public Health, IEC, Statistics & Demography, Gender & Development, Other related fields - Equipment: Medical equipment & supplies IEC equipment & materials Equipment for transportation & communication Equipment for survey, monitoring & evaluation Equipment for promotion of FP/MCH activities Other equipment & materials mutually agreed upon as necessary - Training in Japan </td> <td style="vertical-align: top;"> <p><u>Philippine side:</u></p> <ul style="list-style-type: none"> - Counterpart personnel - Counterpart budget - Office space & facilities - Support & Coordinating mechanism for project activities </td> </tr> </table>		<p><u>Japanese side:</u></p> <ul style="list-style-type: none"> - Experts: Chief Advisor, Coordinator, FP/MCH, Public Health, IEC, Statistics & Demography, Gender & Development, Other related fields - Equipment: Medical equipment & supplies IEC equipment & materials Equipment for transportation & communication Equipment for survey, monitoring & evaluation Equipment for promotion of FP/MCH activities Other equipment & materials mutually agreed upon as necessary - Training in Japan 	<p><u>Philippine side:</u></p> <ul style="list-style-type: none"> - Counterpart personnel - Counterpart budget - Office space & facilities - Support & Coordinating mechanism for project activities 	<ul style="list-style-type: none"> - Commitment of LGUs to support project activities; - Facilities, manpower & budget are provided as proposed; - Smooth coordination among the DOH - Central and Regional Offices, LGUs, other GOs and NGOs.
<p><u>Japanese side:</u></p> <ul style="list-style-type: none"> - Experts: Chief Advisor, Coordinator, FP/MCH, Public Health, IEC, Statistics & Demography, Gender & Development, Other related fields - Equipment: Medical equipment & supplies IEC equipment & materials Equipment for transportation & communication Equipment for survey, monitoring & evaluation Equipment for promotion of FP/MCH activities Other equipment & materials mutually agreed upon as necessary - Training in Japan 	<p><u>Philippine side:</u></p> <ul style="list-style-type: none"> - Counterpart personnel - Counterpart budget - Office space & facilities - Support & Coordinating mechanism for project activities 				
<ol style="list-style-type: none"> 6. Conduct monitoring and evaluation (7) Conduct regular program of monitoring and evaluation. (8) Continuing training of newly hired personnel on the existing reporting system. (9) Conduct orientation for local chief executives who are newly elected. (10) Involvement of other agencies (GOs and NGOs) in the monitoring and evaluation 	<p>INPUTS (GRANT AID ASSISTANCE)</p> <table border="0"> <tr> <td style="vertical-align: top;"> <p><u>Japanese side:</u></p> <ul style="list-style-type: none"> - Construction of MCH centers (one for each province except Tarlac, 5 centers in total) - Renovation/Construction of RHUs (19 RHUs in total) - Construction of BHSs (50 BHSs in total) - Development of water supply system for RHUs/BHSs in the above - Provision of basic equipment for MCH activities for RHUs/BHSs in the above - Provision of vehicles for IEC activities in the fields </td> <td style="vertical-align: top;"> <p><u>Philippine side:</u></p> <ul style="list-style-type: none"> - Land preparation for MCH centers and RHUs/BHUs by responsible LGUs - Maintenance of facilities and equipment - Assignment of health personnel and other necessary personnel to MCH centers and RHUs/BHUs - Securing the budget for running MCH centers and RHUs/BHUs - Granting necessary legal and administrative permission - Payment of taxes (import tax and value-added tax, etc) and support for custom clearance </td> </tr> </table>		<p><u>Japanese side:</u></p> <ul style="list-style-type: none"> - Construction of MCH centers (one for each province except Tarlac, 5 centers in total) - Renovation/Construction of RHUs (19 RHUs in total) - Construction of BHSs (50 BHSs in total) - Development of water supply system for RHUs/BHSs in the above - Provision of basic equipment for MCH activities for RHUs/BHSs in the above - Provision of vehicles for IEC activities in the fields 	<p><u>Philippine side:</u></p> <ul style="list-style-type: none"> - Land preparation for MCH centers and RHUs/BHUs by responsible LGUs - Maintenance of facilities and equipment - Assignment of health personnel and other necessary personnel to MCH centers and RHUs/BHUs - Securing the budget for running MCH centers and RHUs/BHUs - Granting necessary legal and administrative permission - Payment of taxes (import tax and value-added tax, etc) and support for custom clearance 	
<p><u>Japanese side:</u></p> <ul style="list-style-type: none"> - Construction of MCH centers (one for each province except Tarlac, 5 centers in total) - Renovation/Construction of RHUs (19 RHUs in total) - Construction of BHSs (50 BHSs in total) - Development of water supply system for RHUs/BHSs in the above - Provision of basic equipment for MCH activities for RHUs/BHSs in the above - Provision of vehicles for IEC activities in the fields 	<p><u>Philippine side:</u></p> <ul style="list-style-type: none"> - Land preparation for MCH centers and RHUs/BHUs by responsible LGUs - Maintenance of facilities and equipment - Assignment of health personnel and other necessary personnel to MCH centers and RHUs/BHUs - Securing the budget for running MCH centers and RHUs/BHUs - Granting necessary legal and administrative permission - Payment of taxes (import tax and value-added tax, etc) and support for custom clearance 				

FP - Family Planning MCH - Maternal & Child Health LGU - Local Government Unit IEC - Information, Education, Communication
GO - Government Organization NGO - Non-Governmental Organization DOH - Department of Health

**WORKSHOP ON UPGRADING OF FACILITIES AND EQUIPMENT
IN RELATED HEALTH UNITS IN REGION III**

DATE: July 3, 1998
VENUE: REGION III OFFICE

PARTICIPANTS:

NAME	DESIGNATION	
Ms. AURORA M. JOSON		NEDA REGION III OFFICE
Ms. LYNETTE BAUTISTA	ASST. DIRECTOR	NEDA REGION III OFFICE
Ms. MA. JASMIN M. BARTOLO	LG00 II	DILG-REGION 3
Mr. RAMON RONQUILLO	TSD CHIEF	DILG-REGION 3
Dr. RICARDO RAMOS	PHO II	PHO-TARLAC
Dr. JEANETTE LAZATIN	DOH REP.	PHO-TARLAC
Mr. ALEX ESPIRITU	ENGINEER III	PHO-BULACAN
Dr. FLORA OLAA	M.S.	PHO-NUEVA ECIJA
Dr. FELICISIMO EMBUSCADO	PHO I	PHO-NUEVA ECIJA
Dr. GREGORIO CABACAR	PHO II	PHO-ZAMBALES
Mr. CARLOS PIÇOS	ENGINEER III	PHO-ZAMBALES
Dr. Dr. ROLANDO BANZON	PHO II	PHO-BATAAN
Dr. CORONADA BALTAZAR	PHO II	PHO-PAMPANGA
Mr. ORENCIO MALONZO	PLANNING OFFICER III	RHO NO. 3
Dr. ETHELYN P. NIETO	DIRECTOR IV	RHO NO. 3
Dr. CECILIA R. PAULINO	DIRECTOR III	RHO NO. 3
Ms. ALMA MARIE C. GOMEZ	HEPO III	RHO NO. 3
Ms. LOURDES MACABULOS	PLANNING OFFICER II	RHO NO. 3
Ms. ELENITA D. PINEDA	CLERK II	RHO NO. 3
Mr. JOSE LOPEZ	U. W. I	RHO NO. 3
Mr. JOSE BONIFACIO	U. W. II	RHO NO. 3
Dr. KYO HANADA	PROJECT DIRECTOR	JICA FP-MCH PROJECT
Mr. KENJI IKARI	PROJECT COORDINATOR	JICA FP-MCH PROJECT
Ms. CECILIA MARAVE	JICA PROS OFFICER	DOH-MANILA
Ms. GRACE DINO	JICA PROV. OFFICER	SN. FDO. PAMP.
Ms. MAKI NAGAI	ARR	JICA MANILA OFFICE
Mr. TAKESHI NARUSE	TEAM LEADER	JICA STUDY TEAM
Dr. TAKUSEI UMENAI	TECHNICAL ADVISER	JICA STUDY TEAM
Mr. HIDEKAZU TANEMURA	PROJECT COORDINATOR	JICA STUDY TEAM
Mr. TETSURO NISHIMURA	PROJECT MANAGER	JICA STUDY TEAM (KUME SEKKEI)
Ms. MASAKO TANAKA	MEDICAL PLANNER	JICA STUDY TEAM (KUME SEKKEI)
Mr. SEUIRO TAKEDA	BUILDING PLANNER	JICA STUDY TEAM (KUME SEKKEI)
Mr. KAZUNA KOIZUMI	FACILITIES PLANNER	JICA STUDY TEAM (MOHRI SEKKEI)
Mr. TATSUYUKI KIKUTA	WATER SUPPLY PLANNER	JICA STUDY TEAM (MOHRI SEKKEI)
Mr. YASUMICHI DOI	EQUIPMENT PLANNER	JICA STUDY TEAM (KUME SEKKEI)
Mr. SHUJI NAGAI	COST PLANNER	JICA STUDY TEAM (KUME SEKKEI)

MINUTES OF DISCUSSIONS
ON
BASIC DESIGN STUDY ON THE PROJECT FOR
UPGRADING OF FACILITIES AND
EQUIPMENT IN SELECTED FIELD HEALTH UNITS IN
THE REPUBLIC OF THE PHILIPPINES

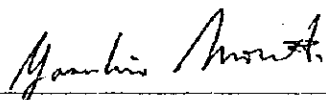
(CONSULTATION ON DRAFT REPORT)

In July 1998, the Japan International Cooperation Agency (JICA) dispatched the Basic Design Study Team on the Project for Upgrading of Facilities and Equipment in Selected Field Health Units in the Republic of the Philippines (hereinafter referred to as "the Project") to the Philippines and through discussions, field survey and examination of the results in Japan, has prepared the draft report of the study.

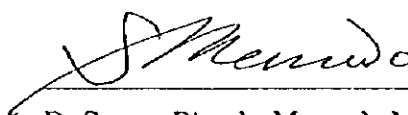
In order to explain and to consult the Philippine side on the components of the draft report, JICA sent to the Philippines a study team, which is headed by Mr. Yasuhiro Morimoto, First Budget Division, Finance and Accounting Department, Japan International Cooperation Agency, from October 19 to 28, 1998.

As a result of the discussions, both parties confirmed the main items described on the attached sheets. Based on these Minutes of Discussions, the Team will complete the Basic Design Study Report.

Manila, October 27, 1998



Mr. Yasuhiro Morimoto
Leader,
Draft Report Explanation Team
Japan International Cooperation Agency



Dr. Susan Pineda-Mercado M.D., M.P.H.
Undersecretary,
Office for Public Health Services,
Department of Health,
The Republic of the Philippines

ATTACHMENT

1. Components of the Draft Report

The Philippine side has agreed and accepted in principle the components of the Draft Report proposed by the Team.

2. Japan's Grant Aid System

- (1) The Philippine side has understood the system of Japan's Grant Aid explained by the Team. (see ANNEX I)
- (2) The Philippine side will take necessary measures, described in ANNEX II, for smooth implementation of the Project on condition that the Grant Aid assistance by the Government of Japan is extended to the Project.

3. Further Schedule

The Team will make the final report in accordance with the confirmed items, and send it to the Philippine side around January 1999.

4. Monitoring Report

In case Japan's Grand aid is executed, the Philippine side will monitor the status of the operation of each field health units as per ANNEX III and submit a report to the Embassy of Japan and JICA office in Manila annually.

5. Others

- (1) Demolition of the existing facilities
The existing facilities (including the underground obstacles) in the Project site shall be demolished and removed by the Philippine side within 3 months following the Exchange of Notes signed by both Governments.
- (2) Budgetary allocation for operation, maintenance and training program
Provincial Governments and Municipalities shall ensure to allocate necessary budget for operation and maintenance of the field health facilities planned by this Project. Also Provincial Governments shall arrange adequate budget for training at MCH Centers.
- (3) Staff allocation
Midwife for BHS shall be allocated as permanent bases, and Dentist shall visit the new RHIU at least once a week.

Japan's Grant Aid

1. Japan's Grant Aid Procedures

(1) Japan's Grant Aid Program is executed through the following procedures.

Application	(Request made by a recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval	(Appraisal by the Government of Japan and Approval by Cabinet)
Implementation	(The Notes exchanged between the Governments of Japan and the recipient country)

(2) At the first stage the application or request for a Grant Aid Project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid.

If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

At the second stage JICA conducts the study (Basic Design Study), using a Japanese consulting firm.

At the third stage, the Ministry of Foreign Affairs appraises the Project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA, and the results are then submitted to Cabinet for approval.

At the fourth stage the Project, once approved by Cabinet, becomes official with the signing and Exchange of Notes between the Governments of Japan and the recipient country.

2. Basic Design Study

(1) Contents of the Study

The aim of the Basic Design Study (hereafter referred to as "the Study"), conducted by JICA on a requested project (hereafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Japanese Government. The contents of the Study are as follows :

1) Confirmation of the background, objectives, and benefits of the requested Project and also institutional capacity of agencies concerned of the recipient

- country necessary for the Project's implementation.
- 2) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.
 - 3) Confirmation of items agreed on by both parties concerning the basic concept of the Project.
 - 4) Preparation of a basic design of the Project
 - 5) Estimation of costs of the Project

The contents of the original request are not necessarily approved in their initial form as the contents of the grant aid project. The basic design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project.

Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

(2) Selection of Consultants

For smooth implementation of the Study, JICA uses a registered consultant firm. JICA selects a firm based on proposals submitted by interested firms. The firm selected carries out a Basic Design Study and writes a report, based upon terms of reference set by JICA. The consulting firm used for the Study is recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency and also to avoid any undue delay in implementation should the selection process be repeated.

3. Japan's Grant Aid Scheme

(1) What is Grant Aid ?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for the economic and social development of

the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

(2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

(3) "The period of the Grant" means the one fiscal year for which the Cabinet approves the Project. Within this fiscal year, all procedures such as Exchange of Notes, concluding contracts with a consultant firm and contractors and financial payment to them must be completed.

However in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the grant aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two governments.

(4) The grant is used properly and exclusively for the purchase of products. Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased. When the two Governments deem it necessary the grant aid may be used for the purchase of the products or services of third countries. However the prime contractors, namely, consulting constructing and procurement firms, are limited to "Japanese nationals". (The term "Japanese Nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

(5) Necessity of "Verification"

The government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals.

Those contracts shall be verified by the government of Japan. The "verification" is deemed necessary to secure accountability to Japanese taxpayers.

(6) Undertakings required of the government of recipient country

In the implementation of the Grant Aid Project, the recipient country is required to undertake such necessary measures as the following :

- 1) To secure land necessary for the sites of the Project and to clear, level

- and reclaim the land prior to commencement of the construction.
- 2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
 - 3) To ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
 - 4) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the verified contracts.
 - 5) To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.
- (7) "Proper Use"
- The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for the operation and maintenance as well as to bear all expenses other than those covered by the Grant Aid.
- (8) "Re-Export"
- The products purchased under the Grant Aid should not be re-exported from the recipient country.
- (9) Banking Arrangements (B/A)
- 1) The government of the recipient country or its designated authority should open an account in the name of the government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese Yen to cover the obligations incurred by the government of the recipient country or its designated authority under the verified contracts.
 - 2) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the government of the recipient country or its designated authority.

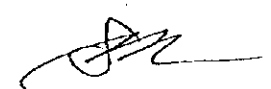
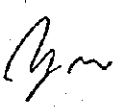
Y m

J m

ANNEX - II

Necessary measures to be taken by the Government of the Philippines on condition that Japanese Grant Aid is extended to the Project.

1. To secure the land for the construction of building and facilities related to the Project.
2. To clear, level, and reclaim the site. (including removal of underground obstacles)
3. To construct gates and fences around the site.
4. To provide facilities for the distribution of electricity, water supply, drainage to the site and other incidental infrastructures.
5. To allocate enough budget to operate and maintain the Project and to secure necessary number of the trained staff for the Project.
6. To bear the following commissions to the Japanese bank for the banking services based upon the Banking Arrangement.
 - Advising commission of Authorization to Pay.
 - payment commission
7. To arrange the exemption of taxes and to take necessary measures for customs clearance of materials and equipment brought for the Project at the port of disembarkation.
8. To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such facilities as may be necessary for their entry into the Republic of the Philippines and stay therein for the performance of their work.
9. To exempt Japanese nationals engaged in the Project from customs duties, internal tax, other fiscal levies and other administrative requirements which may be imposed in the Philippines with respect to the supply of the products and services under the verified contracts.
10. To maintain and use properly and effectively the facilities constructed and equipment procured under the Grant Aid, through recruitment of enough and qualified staff and allocation of sufficient budget for operation and maintenance.
11. To bear all the expenses, other than those to be borne by the Grant Aid, necessary for construction of the facilities as well as transportation and installation of the equipment.



Indicators for Monitoring

1. Operation of Field Health Facilities (MCH Centers, Rural Health Units, Barangay Health Stations)

(1) Financial Status

- Income
- Expenditure

(2) Number of Staff

- Medical doctors
- Nurses
- Midwives
- Dentists
- Medical Technicians
- Others

(3) MCH/FP Services by type

- Number of Prenatal care
- Number of Postnatal care
- Number of Immunization
- Number of Child growth monitoring
- Number of Delivery by normal/ complicated/ referred
- Number of Counseling for Family Planning

(4) Curative Preventive Services by type

- Number of outpatients for curative care
- Number of Basic treatment
- Number of Minor surgery
- Number of Nutrition supplement
- Number of Malaria control
- Number of TB control
- Medical fee system and annual income

(5) Training at MCH Centers

- Number of Training/ Seminar by subjects
- Number of Health workers sent for technical training
- Number of Local/ field training courses conducted

(6) IEC Activities

- Number of IEC activities
- Type of Programs and field activities

By m

SM

2. Status of Equipment

Monitoring items for the following equipment:

- Number of application
- Number of that equipment in use
- Mechanical troubles and repair cost

(1) BHS

- ① Weighing scale (Adult / Pediatric)
- ② Examining table (General type)
- ③ JFPA Mangel display

(2) RHU

- ① Hemoglobin meter
- ② Doppler apparatus
- ③ Dental Unit
- ④ Nebulizer
- ⑤ VTR/ Monitor set

(3) MCH Center

- ① Hemoglobin meter
- ② Doppler apparatus
- ③ ECG (portable type)
- ④ Ultra-sound Scanner
- ⑤ OHP
- ⑥ VTR/ Monitor set

(4) RHO

- ① IEC equipment
- ② IEC van

5. Cost Estimation Borne by the Recipient Country

The Project for Upgrading of Facilities and Equipment in Selected Field Health Units in The Republic of The Philippines

PHILIPPINE SIDE WORKS 1/3

Facility	Municipality	Land Reclamation		Removal of Existing Structure		Water Supply Work		Electricity Supply Work		Total				
		Condition	Soil Vol. (m3)	Cost	Structure	Area (m2)	Cost	Condition	Extension (m)		Cost	Condition	Extension (m)	Cost
BATAAN														
Bataan Provincial Hospital	Bataan	-	-	0	-	-	0	0	0	0	0	0	0	
1.1.0	Bataan	-	-	0	-	-	0	0	0	0	0	0	0	
1.2.1	Cabacaban	-	-	0	Ext-RHU	100	74,500	Ready at Site	0	Ready at Site	0	0	74,500	
1.2.2	Bagac	-	-	0	Ext-RHU	100	74,500	Ready at Site	0	Ready at Site	0	0	74,500	
1.2.3	Oron	-	-	0	Pump House	10	7,450	New	15	New	3,990	15	9,435	
1.3.1	Hermosa	-	-	0	Ext-BHS	133	99,085	-	0	Ready at Site	0	0	99,085	
1.3.2	Mabiga	-	-	15,400	-	-	0	New	10	New	3,990	10	7,620	
1.3.4	Roosevelt	-	-	15,400	-	-	0	New	50	New	3,990	50	22,140	
1.3.5	Sabañan	-	-	7,700	RC Floor	30	22,350	-	0	Ready at Site	0	0	30,050	
1.3.6	Gen. Lim	-	-	0	Ext-BHS	35	26,075	New	5	Ready at Site	0	0	29,440	
1.3.7	Sapa	-	-	0	Stage	80	59,600	Ready at Site	30	Ready at Site	3,990	10	59,600	
1.3.8	Omboj	-	-	53,900	RC Floor	150	111,750	New	30	New	3,990	10	139,560	
1.3.9	Tonogás	-	-	0	-	-	0	-	0	New	3,990	5	59,705	
1.3.10	Pita	-	-	0	-	-	0	-	0	New	3,990	5	5,805	
1.3.11	Negwalang	-	-	18,280	RC Floor	50	37,250	-	0	New	3,990	10	63,350	
Sub-total				110,880			512,560		74,630				66,045	763,515

Facility	Municipality	Land Reclamation		Removal of Existing Structure		Water Supply Work		Electricity Supply Work		Total				
		Condition	Soil Vol. (m3)	Cost	Structure	Area (m2)	Cost	Condition	Extension (m)		Cost	Condition	Extension (m)	Cost
BULACAN														
Bulacan Provincial Hospital	Bulacan	-	-	0	Ext-Buildg	530	356,690	Ready at Site	20	Ready at Site	3,990	10	373,780	
2.1.0	Malolos	-	-	0	Public WC	60	40,380	New	30	New	3,990	5	66,375	
2.2.1	Poblacion Obanoban	-	-	0	Ext-RHU	100	67,300	Ext-Well	0	Ready at Site	0	0	67,300	
2.2.2	San Miguel RPH Salacot San Mk	-	-	0	Ext-RHU	200	134,600	Dug-Well	0	Ready at Site	0	0	134,600	
2.2.3	San Rafael RPH Magunabo San	-	-	0	Ext-BHS	35	23,555	Ready at Site	0	Ready at Site	0	0	23,555	
2.3.1	Bulubad	-	-	0	Ext-BHS	40	26,920	Ready at Site	0	Ready at Site	0	0	26,920	
2.3.2	Buguron	-	-	0	Ext-BHS	50	33,650	Ready at Site	0	Ready at Site	0	0	33,650	
2.3.3	San Pedro	-	-	0	Ext-BHS	40	26,920	Ready at Site	0	Ready at Site	0	0	26,920	
2.3.4	Phalaagan	-	-	0	Ext-BHS	40	26,920	Ready at Site	0	Ready at Site	0	0	26,920	
2.3.5	Dulong Malabon Pullan	-	-	4,620	Stage	50	33,650	Dug-Well	0	New	3,990	10	45,890	
2.3.6	Bubulong Mendi San Leonardo	-	-	0	-	-	0	New	10	New	3,990	5	12,585	
2.3.7	Muzon	-	-	0	Ext-BHS	80	53,840	Ready at Site	0	Ready at Site	0	0	53,840	
2.3.8	Diliman I	-	-	0	-	-	0	Dug-Well	0	Ready at Site	0	0	0	
2.3.9	Sta Cruz	-	-	0	Temp Hut	30	20,190	Dug-Well	0	New	3,990	0	24,180	
2.3.10	Babagun	-	-	0	Piggery	30	20,190	New	5	New	3,990	2.5	36,620	
Sub-total				4,620			837,885		40,745				39,915	926,165

PHILIPPINE SIDE WORKS 2/3

Facility	Municipality	Land Reclamation			Removal of Existing Structure			Water Supply Work			Electricity Supply Work			Total	
		Condition	Soil Vol. (m3)	Cost (P154/m3)	Structure	Area (m2)	Cost (P745/m2)	Condition	Extention (m)	Cost (P873/m)	Condition	Connection	Extention (m)		Cost (P363/m)
NUVA ECija															
Eduardo L. Juson Mem. Hospital	Cabanatuan, Pampanga				RC Slab	250	188,250	Ready at Site	20	13,460	Ready at Site	0	200	72,600	254,310
3.1.0								New	50	33,650	New	3,990	10	7,620	45,990
3.2.1	Pantabangan, Pampanga	Levelling	30	4,620				New	110	74,030	New	3,990	30	14,880	88,910
3.2.2	Gabalidon, Pampanga				Squatter			Ext-Well			New	3,990	60	25,770	25,770
3.2.3	San Isidro, Pampanga				Daycare	55	37,015	New	10	6,730	New	3,990	0	47,735	47,735
3.3.1	Labu, Pampanga	Back-fill	60	9,240	Temp Hut			Ext-Well	40	26,920	None	3,990	0	36,160	36,160
3.3.2	San Felipe, Pampanga	Levelling	20	3,080				Ext-Well			New	3,990	20	11,250	31,440
3.3.3	Pit San, Gen Nakar, Pampanga				Pavement	30	20,190	Ext-Well			New	3,990	10	3,630	37,280
3.3.4	Paitan Sur, Cuyapo, Pampanga				Statue Base			New	50	33,650	Ready at Site	0	50	18,150	27,390
3.3.5	Puncan, Carrangian, Pampanga							Dug-Well			None	0	0	9,240	9,240
3.3.6	Alila, Taliglog, Pampanga	Back-fill	60	9,240				Dug-Well			None	0	0	25,770	105,572
3.3.7	San Nicolas, Lanera, Pampanga	Levelling	60	9,240	RC Slab	114	76,722	HC			Ready at Site	3,990	60	32,670	32,670
3.3.8	Concepcion, Gen. Tinio, Pampanga	Back-fill	20	3,080				Dug-Well			Ready at Site	0	90	32,670	51,150
3.3.9	San Miguel, Quezon, Pampanga							Dug-Well			0	0	90	32,670	51,150
3.3.10	Monic, Nampicuan, Pampanga	Back-fill	120	18,480											
	Sub-total			56,980			302,177			188,440				252,990	800,587

Facility	Municipality	Land Reclamation			Removal of Existing Structure			Water Supply Work			Electricity Supply Work			Total	
		Condition	Soil Vol. (m3)	Cost (P39,270)	Structure	Area (m2)	Cost (P239,588)	Condition	Extention (m)	Cost (P70,665)	Condition	Connection	Extention (m)		Cost (P85,635)
PAMPANGA															
Pampanga Provincial Hospital	Guagua, Pampanga							Ready at Site	30	20,190	Ready at Site	0	10	3,630	23,820
4.1.0								Ready at Site	20	13,460	New	3,990	10	7,620	21,080
4.2.1	Arayat RHU, Arayat, Pampanga				Temp Hut	20	13,460	Dug-Well			New	3,990	15	9,435	27,515
4.2.2	San Isidro, Magalang II, Macababag, Pampanga				Ext-RHU	280	188,440	Dug-Well			New	3,990	15	9,435	197,875
4.2.3	Mexico, Pampanga							Dug-Well			Ready at Site	0	0	0	0
4.3.1	Lauit Pao, Lubao, Pampanga							Dug-Well			New	3,990	10	7,620	7,620
4.3.2	Malabo, Floridablanca, Pampanga							Dug-Well			New	3,990	10	7,620	7,620
4.3.3	Taguio, Candaba, Pampanga				Water Tower	16	10,768	Next Site	5	3,365	New	3,990	5	5,805	22,248
4.3.4	Paligui, Apulog, Pampanga	Gabbage hole	15	7,700				Dug-Well			New	3,990	15	9,435	17,135
4.3.5	Palingasale, Guagua, Pampanga	Levelling	50	7,700				Dug-Well			New	3,990	20	17,250	26,650
4.3.6	San Isidro, San Luis, Pampanga	Cut Soil	100	15,400				Dug-Well			New	3,990	5	5,805	15,045
4.3.7	Babang II, Sasmuan, Pampanga	Back Fill	60	9,240				HC			New	3,990	0	10,720	10,720
4.3.8	Aguso, San Francisco, Pampanga				Ext-BHS	40	26,920	Ready at Site	40	26,920	New	3,990	0	26,920	30,910
4.3.9	Pio, Pampanga							New			New	3,990	0	3,990	3,990
4.3.10	San Juan, Sta Ana, Pampanga														
	Sub-total			39,270			239,588			70,665				85,635	435,158

PHILIPPINE SIDE WORKS 3/3

Facility	Municipality	Land Reclamation			Removal of Existing Structure			Water Supply Work			Electricity Supply Work			Total	
		Condition	Soil Vol. (m3)	Cost (P154/m3)	Structure	Area (m2)	Cost (P745/m2)	Condition	Extension (m)	Cost (P673/m)	Condition	Connection	Extension (m)		Cost (P363/m)
TARLAC															
5.1.1	San Clemente	-		P154/m3	0	Ext-RHU	150	100,950	Dug-Well	0	Ready at Site	10	3,630	104,580	
5.1.2	Nancada	-			0	Ext-RHU	60	40,380	Dug-Well	0	Ready at Site	15	5,445	18,905	
5.1.3	Victoria II	-			0	Ext-RHU	60	40,380	Dug-Well	0	Ready at Site	0	0	40,380	
5.2.1	Manga	-			0	-	30	20,190	HC	0	New	10	7,620	7,620	
5.2.2	Ventilla	-			0	Stages	30	20,190	Dug-Well	0	Ready at Site	10	3,630	23,820	
5.2.3	Dala Paz	-			0	-	20	13,460	Dug-Well	0	New	2	4,716	4,716	
5.2.4	Parang	-			0	Temp Hut	20	13,460	HC	0	Ready at Site	5	1,815	15,275	
5.2.5	San Francisco	-			0	Daycare	40	26,920	Ext-Well	0	Ready at Site	10	3,630	30,550	
5.2.7	Tancarang	-			0	-	0	0	New	0	New	0	3,990	3,990	
5.2.8	Quezon	-			0	-	0	0	HC	0	Ready at Site	5	1,815	1,815	
5.2.9	Papaco	-			0	-	0	0	Dug-Well	0	Ready at Site	15	5,445	5,445	
5.2.10	Niasin	-			0	-	0	0	Dug-Well	0	Ready at Site	5	1,815	1,815	
5.2.11	San Juan	-			0	-	0	0	Dug-Well	0	New	0	3,990	3,990	
	Sub-total				0			201,900		13,460				47,541	262,901

Facility	Municipality	Land Reclamation			Removal of Existing Structure			Water Supply Work			Electricity Supply Work			Total	
		Condition	Soil Vol. (m3)	Cost	Structure	Area (m2)	Cost	Condition	Extension (m)	Cost	Condition	Connection	Extension (m)		Cost
ZAMBALES															
6.1.0	Pres. R. Magsaysay	-			0	Ext-Bldg	125	84,125	Ready at Site	50	New	50	3,990	22,140	139,915
6.2.1	Mem. Hospital Sta. Cruz RHU I, Sta. Cruz	-			0	Ext-RHU	306	205,938	New	5	New	5	3,990	5,805	215,108
6.2.2	Boolan RHU II, San Juan, Bolo	-			0	-	0	0	New	10	New	10	3,990	7,620	14,350
6.2.3	San Antonio RH San Antonio	-			0	Ext-RHU	160	107,680	Ready at Site	0	Ready at Site	0	0	0	107,680
6.3.2	San Isidro, Subic	-			0	-	0	0	Ready at Site	0	Ready at Site	0	0	0	0
6.3.3	Omaya, San Narciso	-			0	-	0	0	New	10	New	10	3,990	5,805	35,635
6.3.4	Sta. Barbara, Iba	-			0	-	0	0	New	10	New	10	3,990	7,620	14,350
6.3.5	Panglit, San Lorenzo M	-			0	-	0	0	-	0	-	0	0	0	0
6.3.6	Babacal, Candiana	-			0	-	0	0	New	45	Ready at Site	0	0	0	30,285
6.3.8	Balingang, San Felipe	-			0	-	0	0	-	0	New	5	3,990	5,805	5,805
6.3.9	Felimonida Diaz, Cabangan	-			0	-	0	0	-	0	New	20	3,990	11,250	17,250
6.3.10	Looc, Castillejos	-			0	-	0	0	New	10	New	30	3,990	14,880	21,610
6.3.12	Sabang, Sta. Cruz	-			0	-	0	0	Ready at Site	0	New	10	3,990	7,620	7,620
6.3.14	Tubo-tubo, North Sta. Cruz	-			0	-	0	0	-	0	New	20	3,990	11,250	26,650
	Sub-total				0			397,743		94,220				99,795	630,758
	Grand-total				0			2,457,853		484,560				551,921	3,618,554

6. Other Relevant Data

THE PROJECT FOR THE UPGRADE OF FACILITIES IN SELECTED FIELD HEALTH UNITS - REGION III
 BASIC DESIGN SURVEY - PHYSICAL CONDITION
 MATERNAL CHILD HEALTH CENTERS, INFANT HEALTH UNITS AND HEALTH STATIONS

Survey Sheet	Name of Health Facility	Location	Accessibility	Site Ownership	Site Area (sq.m.)	Site Adequacy	Adjacent Area	Soil Condition	Site Creation	Water Supply	Electrical Source	Flooding Incidents	Termites Infestation	Structures to be removed	Others
BATAAN															
1.1.0	Bataan Provincial Hospital	Batangas	good	PG	500	enough	Hospital	clay	partly needed	well at site	± 10m	-	severe	-	-
1.2.1	Cabataan	Cabataan	good	Brgy	182	light	day-care	sandy clay	FB	public	± 10m	slight	severe	existing RHU	-
1.2.2	Bacac	Bacac	good	MG	200	light	municipal hall	sandy clay	Slope	public	± 20m	-	severe	existing RHU	-
1.2.3	Oron	Oron	good	MG	400	enough	elementary school	sandy clay	none	public	existing at site	-	severe	old pump house	-
1.2.4	Hermosa	Hermosa	good	Church	217	if site not adequate	brgy plaza	clay	none	public	existing at site	slight	severe	existing BHS	ht size not adequate
1.3.1	Tipo	Hermosa	rough road	Brgy	140	enough	brgy Hall	clay	partly needed	public	± 10m	-	severe	existing temp. BHS	-
1.3.2	Maibaga	Hermosa	rough road	Brgy	150	enough	huge trees	clay	FB	public	± 10m	-	severe	huge trees	-
1.3.3	Tapulao	Oron	good	Brgy	71	if site not adequate	residential	sandy clay	none	public	± 10m	± 1m	slight	existing BHS	ht size not adequate
1.3.4	Reposvel	Dinalupihan	rough road	Brgy	170	enough	huge trees	clay	FB	public	± 40m	-	severe	huge trees	-
1.3.5	Sabatán	Oron	rough road	Brgy	150	enough	elementary school	clay	partly needed	well at site	± 20m	-	severe	concrete slab	-
1.3.6	Gen Lim	Oron	good	Brgy	184	enough	elementary school	clay	partly needed	public	existing at site	-	severe	existing BHS	-
1.3.7	Saka	Samal	good	Brgy	160	enough	brgy plaza	sandy clay	partly needed	well at site	± 30m	± 0.30m	slight	brgy. Stage	-
1.3.8	Ombay	Abady	good	Brgy	150	enough	farm	clay	partly needed	public	± 10m	-	slight	concrete slab	-
1.3.9	Tonayas	Balanga	good	Brgy	348	light	river	sandy clay	FB	private well	± 10m	± 0.60m	-	-	-
1.3.10	PHa	Dinalupihan	rough road	Brgy	100	enough	residential	sandy clay	partly needed	well at site	± 10m	-	severe	-	-
1.3.11	Naywaling	Phar	rough road	PG	240	enough	residential	sandy clay	partly needed	well at site	± 30m	-	slight	huge boulders	-
BUJANGAN															
2.1.0	Bujan Provincial Hospital	Maabes	good	P.G.	900	enough	Hospital area	clay	none	pipeline	exit at site	-	severe	part of Hospital	-
2.2.1	Probanon Obando	Obando	good	M.G.	400	enough	Provincial Clinic	sandy clay	none	pipeline	exit at site	often	-	public CR	-
2.2.2	San Miguel RHU III	Sabaco, San Miguel	good	barangay	280	enough	School	sandy clay	none	well at site	exit at site	rarely	slight	exit RHU	-
2.2.3	San Rafael RHU II	Maguiniao, San Rafael	good	G.	400	enough	School	sandy clay	none	well at site	exit at site	rarely	slight	exit RHU & Daycare	-
2.3.1	Bulabal	Bujan	good	barangay	60	light	residential and farm	clay	none	pipeline	exit at site	-	severe	exit BHS	-
2.3.2	Buguin	Calumpit	good	G.	80	light	School	clay	none	pipeline	exit at site	-	slight	exit BHS	-
2.3.3	San Pedro	San Jose del Monte	rough road	G.	180	enough	School	sandy clay	none	pipeline	exit at site	-	severe	exit BHS	-
2.3.4	Prabalagan	Pombong	rough road	G.	70	light	residential	clay	none	pipeline	exit at site	-	slight	exit BHS	-
2.3.5	Dubong Malabon	Pullan	good	G.	65	light	Brgy. Plaza	sandy clay	partly needed	well at site	exit at site	rarely	-	exit Brgy. Stage	-
2.3.6	Bubulong Mount	San Isidro	rough road	G.	170	enough	Paddy Field	clay	none	pipeline	exit at site	-	slight	-	-
2.3.7	Macon	San Jose del Monte	rough road	barangay	100	light	farm	clay	none	well at site	exit at site	-	-	exit BHS & Brgy Hall	-
2.3.8	Diman I	San Rafael	good	G.	180	enough	Brgy. Hall	sandy clay	partly needed	well at site	exit at site	-	slight	-	-
2.3.9	Sis Cruz	Sis Maria	good	barangay	200	enough	residential	sandy clay	none	well at site	exit at site	-	slight	exit Squatter House	-
2.3.10	Babagan	Sis Maria	good	barangay	120	enough	residential	clay	none	pipeline	exit at site	-	severe	exit Pigsty	-
2.3.11	Masucol	Pombong	by boat	M.G.	100	light	-	-	-	well at site	-	-	-	-	can't access to the site
2.3.12	Mangulo	Calumpit	-	-	-	-	-	-	-	-	-	-	-	-	No information from Philippine side

THE PROJECT FOR THE UPGRADE OF FACILITIES IN SELECTED FIELD HEALTH UNITS - REGION #
 BASIC DESIGN SURVEY - PHYSICAL CONDITION
 MATERNAL CHILD HEALTH CENTERS, INFANT HEALTH UNITS and HEALTH STATIONS

Survey Sheet	Name of Health Facility	Location	Accessibility	Site Ownership	Site Area (sq. m.)	Site Adequacy	Adjacent Area	Soil Condition	Site Creation	Water Supply	Electrical Source	Flooding Incidents	Termite Infestation	Structures to be removed	Others
NIUEVA ECUIA															
3.1.0	Eduardo L. Jison Mem. Hospital	Cabanatuan	good	P.G.	3,492	enough	Hospital area	clay	minimal	pipeline	±20m	-	slight	entr. slab (604sqm)	-
3.2.1	Pantabangan	Pantabangan	rough road	P.G.	781	enough	Brgy. Plaza/Mun. area	sandy clay	backfilling	pipeline	entr. at site	-	slight	-	water sources: public
3.2.2	Gabaldon	Gabaldon	rough road	P.G.	3,600	enough	Public market area	clay	minimal	pipeline	entr. at site	-	slight	-	water sources: public
3.2.3	San Isidro	San Isidro	good	M.G.	374	enough	Mun. Plaza/Public Market	sandy clay	minimal	deep well	±60m	-	severe	entr. squatter house	water sources: private
3.3.1	Laur	Bongabon	rough road	DEMR	273	enough	Brgy. Hall	clay	minimal	pipeline	none	-	-	entr. store	ongoing work on spring tank
3.3.2	San Felipe	Laur	rough road	barangay	238	enough	Brgy. Plaza	clay	no	pipeline	entr. at site	-	slight	entr. store	-
3.3.3	Pi + bay	Gen. Mariano	rough road	DECS	1,418	enough	School classrooms	clay	no	well at site	±20m	-	-	entr. store	-
3.3.4	Praktan Sur	Curupog	rough road	barangay	246	enough	Brgy. Hall	clay	no	well at site	±20m	-	-	entr. store	-
3.3.5	Pincan	Carranglan	rough road	barangay	141	light	Brgy. Plaza & Hall	clay	no	pipeline	entr. at site	-	slight	entr. store	-
3.3.6	Alala	Talugtog	rough road	barangay	1,600	enough	School & Brgy. Plaza	clay	backfilling	well at site	none	-	-	-	water source: private
3.3.7	San Nicolas	Laur	rough road	private	1,560	enough	Brgy. Plaza	clay	minimal	shallow well	entr. at site	-	slight	entr. slab (114sqm)	entr. 10 kva transformer
3.3.8	Concepcion	Gen. Trino	good	barangay	400	enough	Brgy. Plaza & Hall	clay	backfilling	pipeline	±60m	-	slight	-	entr. 25 kva transformer
3.3.9	San Miguel	Quezon	rough road	barangay	307	enough	Brgy. Plaza & Church	clay	no	well at site	±90m	-	-	-	nearest well: 110m
3.3.10	Monic	Nampayan	rough road	private	374	enough	farm	clay	extensive filling	dry well	±90m	-	slight	-	-
3.3.11	Bongabon	Talugtog	rough road	barangay	140	if site not adequate	residential	sandy clay	none	dry well	entr. at site	-	-	entr. slab (200m)	if site not adequate
3.3.12	Gen. Luna	Carranglan	rough road	n/a	n/a	no site available	-	-	-	-	-	-	-	-	-
3.3.13	Sta. Clara	Quezon	good	n/a	n/a	no site available	-	-	-	-	-	-	-	-	-
3.3.14	Manana	Ibarra	good	barangay	380	enough	residential & farm	clay	land backfilling	shallow well	entr. at site	-	-	-	-
3.3.15	Sobad	Laur	good	private	198	light	residential	sandy clay	none	well at site	entr. at site	-	-	-	public water is dry to date
3.3.16	Owete	Bongabon	rough road	barangay	139	light	Brgy. Hall & School	sandy clay	backfilling	no water	entr. at site	-	-	-	-
PAMPANGA															
4.1.0	Pangasinan Provincial Hospital	Geopora	good	P.G.	600	enough	Hospital area	sandy clay	none	pipeline	entr. at site	rarely	slight	-	-
4.2.1	Arayat RHU	Arayat	good	M.G.	500	enough	M.G. area	sandy clay	none	pipeline	entr. at site	rarely	severe	-	-
4.2.2	San Ildefonso	Magalang II, Magalano	rough road	barangay	1,154	enough	vacant land	sandy clay	partly needed	shallow well	15 m	rarely	slight	entr. shed	squatter houses shall be replaced
4.2.3	Merico	Merico	good	M.G.	600	enough	residential	sandy clay	none	deep well	entr. at site	rarely	slight	entr. RHU	original site was at Brgy. Sta. Cristo
4.3.1	Laur Pao	Lubao	narrow road	barangay	200	enough	Brgy. Plaza	sand	none	shallow well	entr. at site	rarely	slight	-	-
4.3.2	Makabo	Pondabancia	rough road	private	150	enough	paddy field	sandy clay	none	shallow well	15 m	often	-	-	-
4.3.3	Tigabud	Camalaba	rough road	G.	150	enough	partly field	clay	none	deep well	5 m	rarely	slight	-	-
4.3.4	Palaui	Apul	good	barangay	60	light	Brgy. Hall	sandy clay	partly needed	well at site	25 m	rarely	slight	Elev. Water Tank	-
4.3.5	Pulagmaside	Cusupa	good	G.	200	enough	Brgy. Plaza	sandy clay	partly needed	shallow well	20-30 m	-	slight	-	-
4.3.6	San Isidro	San Luis	good	barangay	500	enough	residential & farm	sandy clay	partly filling	shallow well	entr. at site	-	-	-	25min from Poblacion by speed bus
4.3.7	Batang II	Sasmuan	by boat	G.	120	enough	School & Soc.	clay	backfilling	hand carry	15 m	often	-	-	-
4.3.8	Anuso	San Francisco	good	barangay	180	enough	Brgy. Plaza	sand	none	pipeline	entr. at site	-	severe	-	-
4.3.9	Pao	Pao	good	barangay	170	enough	residential	sandy clay	none	pipeline	entr. at site	-	severe	entr. BUS	-
4.3.10	San Juan	Sta. Ana	good	P.G.	300	enough	Mango Farm	clay	none	pipeline	entr. at site	-	severe	-	-
4.3.11	San Vicente	Merico	good	barangay	200	enough	residential	sandy clay	none	shallow well	entr. at site	-	severe	-	original site was at Brgy. Parian

THE PROJECT FOR THE UPGRADE OF FACILITIES IN SELECTED FIELD HEALTH UNITS - REGION III
 BASIC DESIGN SURVEY - PHYSICAL CONDITION
 MATERNAL, CHILD HEALTH CENTERS, MENTAL HEALTH UNITS AND HEALTH STATIONS

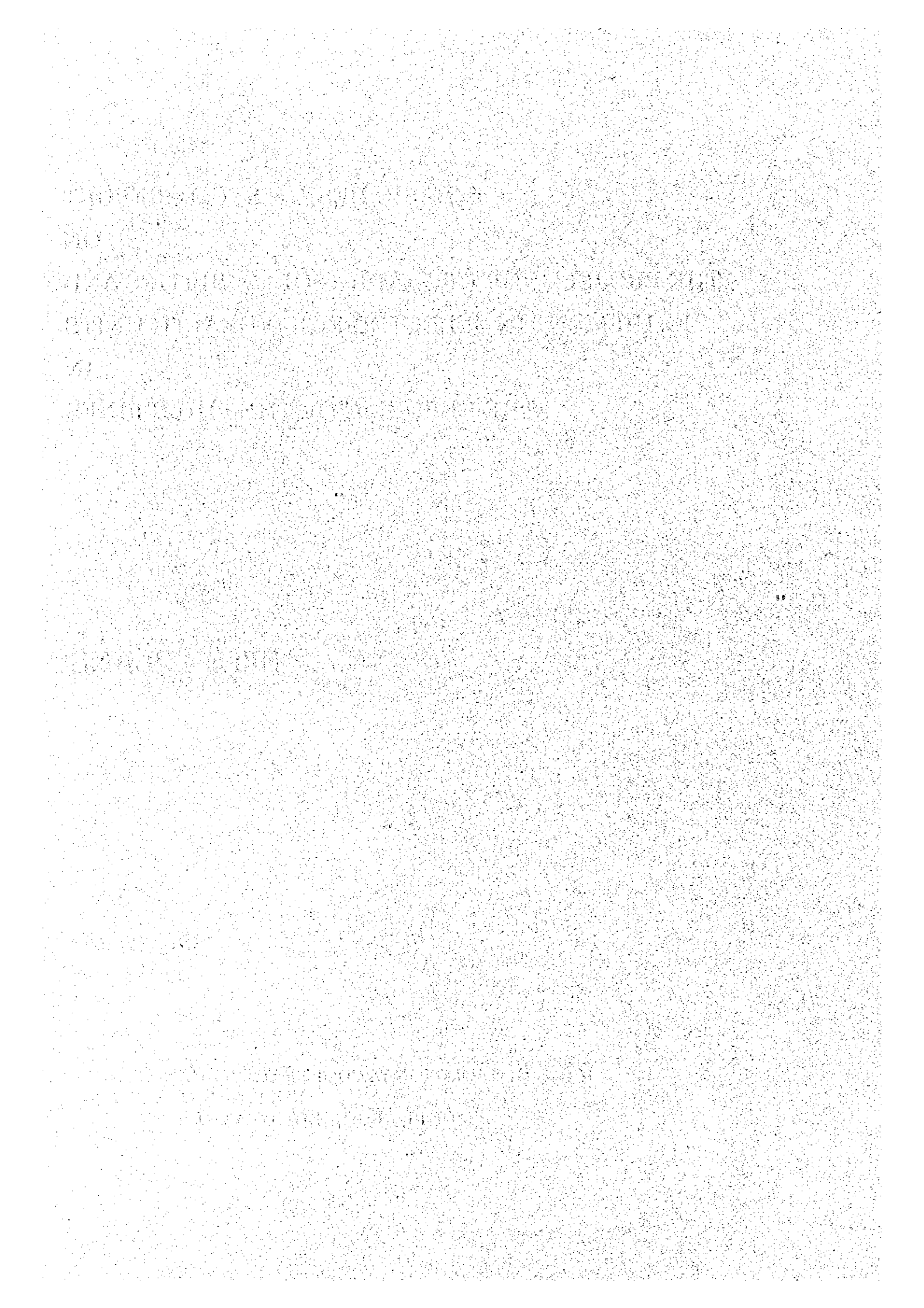
Survey Sheet	Name of Health Facility	Location	Accessibility	Site Ownership	Site Area (sq.m.)	Site Adequacy	Adjacent Area	Soil Condition	Site Creation	Water Supply	Electrical Source	Flooding Incidents	Terminis Information	Structures to be removed	Others
TARLAC															
5.1.1	San Clemente	San Clemente	good	M.G.	530	enough	Municipal Plaza	sandy clay	none	well at site	extg at site	rarely	severe	extg RHU	
5.1.2	Moncada	Moncada	good	M.G.	300	enough	M.G. area	clay	none	pipeline	extg at site	rarely	severe		
5.1.3	La Paz	La Paz	good	M.G.	250	enough	Municipal Plaza	sandy clay	none	pipeline	extg at site	often			already renovated by JUSAFID
5.1.4	Victoria II	Victoria II	good	M.G.	270	enough	Brgy Plaza	sandy clay	none	shallow well	extg at site	often	severe	extg RHU	
5.2.1	Manga	Capon	good	barangay	120	enough	farm	sandy clay	none	hand carry	5 m	rarely	slight		
5.2.2	Vendimia	Paniqui	good	M.G.	90	tight	Brgy Plaza	sandy clay	none	well at site	extg at site	rarely			
5.2.3	Debs Pz	Tubac	rough road	M.G.	100	enough	farm	sandy clay	partly needed	shallow well	extg at site	often	slight		
5.2.4	Parang	Concepcion	good	barangay	100	tight	residential	sand	none	hand carry	extg at site			extg shed	
5.2.5	San Francisco	Sia Inzana	good	M.G.	220	enough	Brgy Plaza	sandy clay	none	pipe at site	extg at site		slight	extg old Dry Care	cancelled by Philippine side
5.2.6	Auriga	Moncada													
5.2.7	Tancarang	Maryknoll	good	barangay	250	enough	Paddy field	clay	none	pipeline	extg at site				
5.2.8	Ovzon	Genoa	good	barangay	120	enough	Private house	sandy clay	none	hand carry	5 m		slight		
5.2.9	Panapan	San Manuel	good	barangay	350	enough	Brgy Plaza	sandy clay	none	well at site	15 m				
5.2.10	Nilasin	Pura Ist.	good	M.G.	180	enough	Brgy Plaza	sandy loam	none	shallow well	25 m	rarely	slight		
5.2.11	San Juan	Ramos	rough road	M.G.	150	enough	Paddy field	sandy clay	none	shallow well	extg at site	rarely			
ZAMBALES															
6.1.0	Pres. R. Mangansay Mem. Hospital	Iba	good	PG	600	enough	Hospital	sandy clay	none	private well	± 20m		severe	existing Cornteen	
6.2.1	Sta Cruz RHU I	Sta Cruz	good	PG	970	enough	doctor's quarter	sandy clay	none	public	± 20m		slight	old hospital	
6.2.2	Batoban RHU II	San Juan, Bantoban	good	Brgy	435	enough	brgy hall	sandy clay	none	public	± 30m		severe		
6.2.3	San Antonio RHU	San Antonio	good	PG	222	tight	municipal hall	clay	none	public	± 20m		severe	existing RHU	
6.3.1	Macaranga	San Marcosino	rough road	PG	184	enough	brgy hall	clay	fill	public	generator			existing Dap-care	existing BHS is usable
6.3.2	San Isidro	Subic	good	private	117	tight	daw-care	sandy clay	none	public	existing at site				
6.3.3	Omara	San Marcosino	rough road	Brgy	130	enough	residential	sandy clay	fill	public	existing at site				
6.3.4	Sta Barbara	Iba	good	private	252	enough	residential	clay	none	public	± 10m		slight		
6.3.5	Parang	San Lorenzo, Misamis	by boat	private	140	enough	residential	clay	none	private well	none			bricks	
6.3.6	Babahal	Candiana	good	PG	172	tight	brgy hall	sandy clay	none	public	existing at site		slight	branch of mango tree	
6.3.7	Tubo-tubo South	Sta Cruz	rough road	Brgy	537	enough	elementary school	sandy clay	none	none	existing at site				no water source available
6.3.8	Ramocating	San Felipe	rough road	private	143	enough	residential	sandy clay	none	public well	existing at site			bamboo trees	
6.3.9	Fairmedia Diaz	Cabangan	good	Brgy	200	enough	farm	pebbly clay	fill	public	± 20m				
6.3.10	Lobo	Castilleros	rough road	PG	264	enough	chapel	sandy clay	none	public	± 20m				
6.3.11	Sta Fe	San Marcosino	rough road	Brgy	none	none	brgy plaza	sandy clay	none	public	existing at site				new BHS under construction
6.3.12	Sabon	Sta Cruz	rough road	Brgy	347	enough	brgy plaza	sandy clay	none	well at site	± 10m				
6.3.13	Lupao	San Felipe	rough road	Brgy	none	no site available	residential	sandy clay	none	public	existing at site				no site available
6.3.14	Tubo-tubo	North Sta Cruz	good	private	250	enough	brgy plaza	clay	none	well at site	± 10m		slight		
6.3.15	Sta Tomas	Subic	good	Brgy	41	4 site not adequate	brgy plaza	sandy clay	none	public	existing at site				lot size not adequate

**BASIC DESIGN STUDY REPORT
ON
THE PROJECT FOR UPGRADING OF FACILITIES AND
EQUIPMENT IN SELECTED FIELD HEALTH UNITS
IN
THE REPUBLIC OF THE PHILIPPINES**

SITE PLANS

JANUARY, 1999

**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
KUME SEKKEI CO., LTD.
MOHRI, ARCHITECTS & ASSOCIATES. INC.**



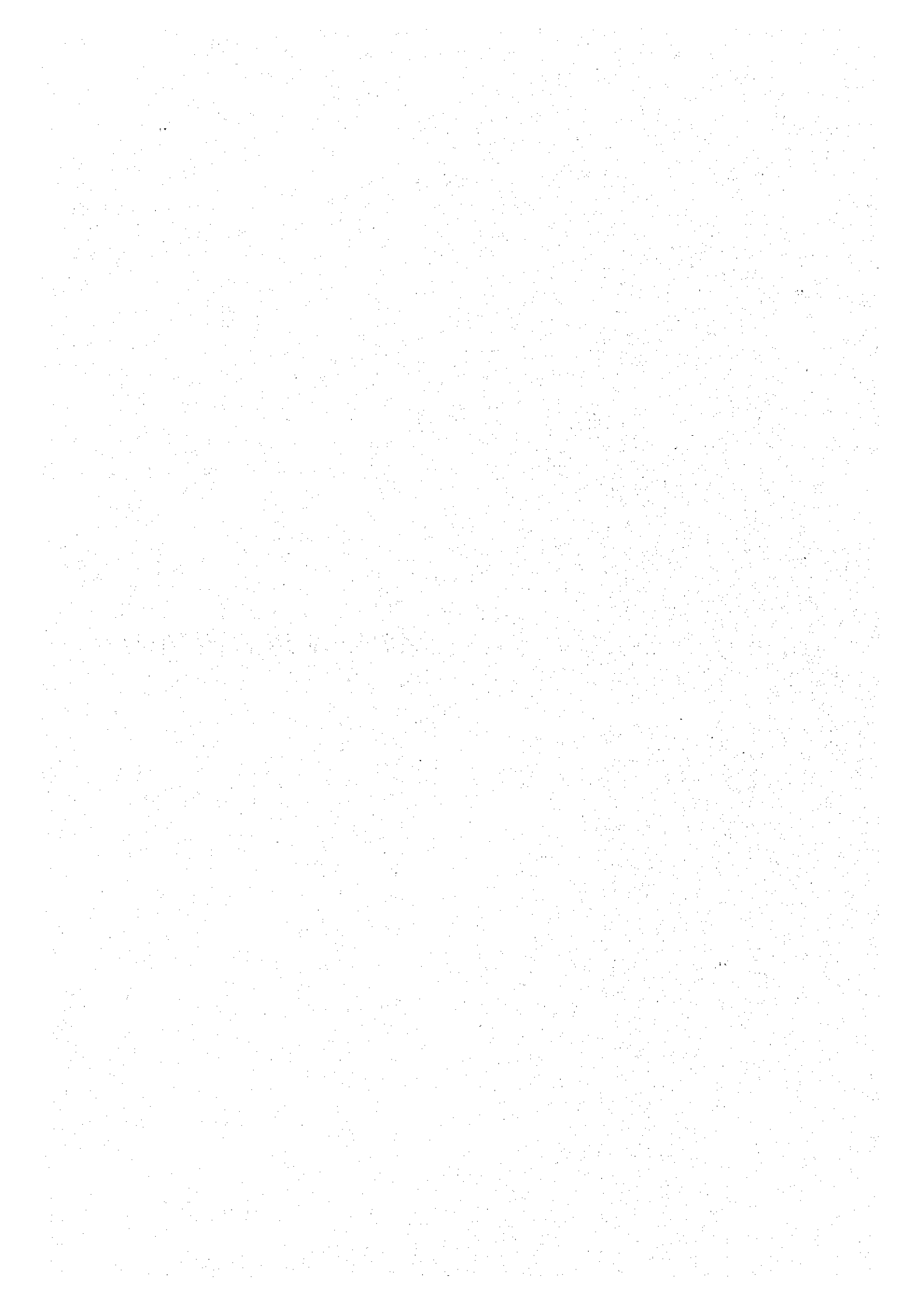
Planned Type of Facility and Water Supply

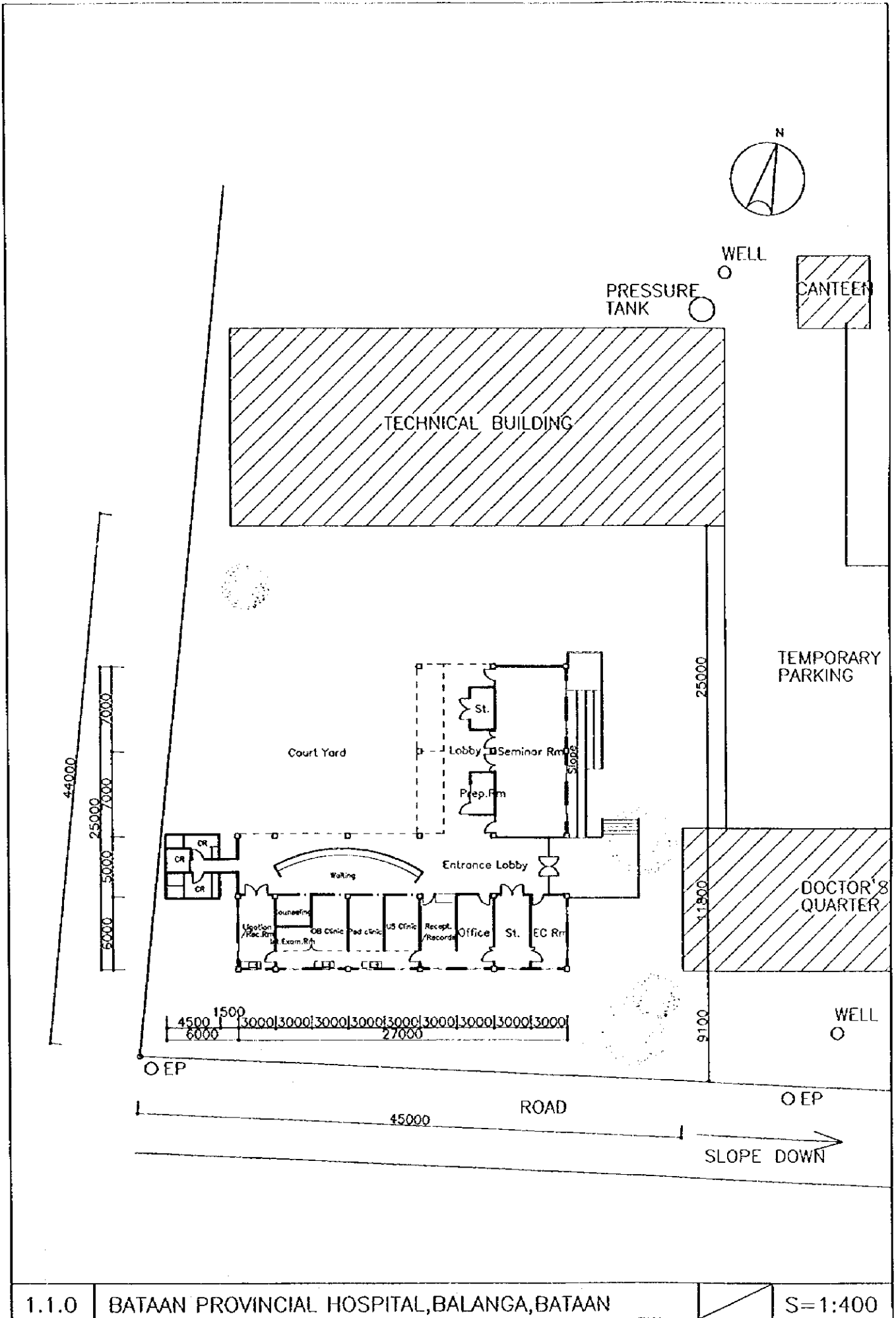
Re. No.	Facility Name	Municipality	Facility		Existing Water Supply		Planned Pump and Well			Planned Type of Water Supply
			Type	Are (m ²)	Type of WS System	Water Sources	Hand Pump	Well Depth	Well Dia.	
BATAAN										
1.1.0	Bataan Provincial Hospital	Balanga	410 (0)	410	Individual WS	Free flow well	-	-	-	C
1.2.1	Cabacaban RHU	Cabacaban	B	130	Municipal WS	Deep Well	-	-	-	C/D
1.2.2	Bagac RHU	Bagac	B	130	Municipal WS	Deep Well	-	-	-	C/D
1.2.3	Orion RHU	Orion	A	160	Municipal WS	Deep Well	-	-	-	C/D
1.3.1	Tipo BHS	Hermosa	B	60	Individual WS	Deep Well	-	-	-	B 1)
1.3.2	Mabiga BHS	Hermosa	B	60	Barangay WS	Spring	-	-	-	E
1.3.4	Roosevelt BHS	Dinalupihan	A	80	Barangay WS	Spring	-	-	-	C
1.3.5	Sabatan BHS	Orion	B	60	Public WS	Shallow Well	Shallow HP	18	32	B 1)
1.3.6	Gen. Lim BHS	Orion	B	60	Barangay WS	Shallow Well	-	-	-	C/E
1.3.7	Sapa BHS	Samal	B	60	Barangay WS	Deep Well	-	-	-	E
1.3.8	Omboy BHS	Abucay	B	60	Public WS	Deep Well	-	-	-	C/E
1.3.9	Tortugas BHS	Balanga	B	60	Individual Well	Shallow Well	Shallow HP	36	32	B 1)
1.3.10	Pita BHS	Dinalupihan	B	60	Shallow Well	Shallow Well	Shallow HP	18	32	B 1)
1.3.11	Nagwaling BHS	Pilar	B	60	Shallow Well	Shallow Well	Shallow HP	9	38	B 1)
BULACAN										
2.1.0	Bulacan Provincial Hospital	Malolos	390 (15)	405	Malolos Water District	Deep Well	-	-	-	D
2.2.1	Obando RHU	Bgy. Paliwas Obando	B	130	Obando Water District	Deep Well	-	-	-	D/E
2.2.2	San Miguel RHU	Bgy. Salacot San Miguel	B	130	Individual WS	Deep Well	-	-	-	A
2.2.3	San Rafael RHU	Bgy. Maginao San Rafael	A	160	Individual WS	Deep Well	-	-	-	A
2.3.1	Balubad BHS	Bulacan	C	35	Public WS	Deep Well	-	-	-	C/E
2.3.2	Buguiyon BHS	Calumpit	B	60	Calumpit Water District	Deep Well	-	-	-	C/E
2.3.3	San Pedro BHS	San Jose Del Monte	B	60	San Jose Water District	Deep Well	-	-	-	C/E
2.3.4	Pinalagdan BHS	Panbong	B	60	Individual WS	Deep Well	-	-	-	C
2.3.5	Dulong Malabon	Pulilan	B	60	Individual WS	Deep Well	-	-	-	B 1)
2.3.6	Bubulong Monto	San Nudefonso	B	60	Barangay WS	Deep Well	-	-	-	C
2.3.7	Muzon BHS	San Jose Del	C	35	Ind./Private WS	Deep Well	-	-	-	C
2.3.8	Diliman 1 BHS	San Rafael	B	60	Individual WS	Shallow Well	Shallow HP	18	50	B 2)
2.3.9	Sta Cruz BHS	Sta Maria	B	60	Private WS	Deep Well	-	-	-	B 1)
2.3.10	Babaguin BHS	Sta Maria	A	80	Barangay WS	Deep Well	-	-	-	C/E
NUEVA EJICA										
3.1.0	Eduardo L. J. Memorial Hospital	Cabanatuan City	370 (15)	385	Cabanatuan Water District	Deep Well	-	-	-	C
3.2.1	Pantabagan RHU	Pantagaban	B	130	Municipal WS	Deep Well	-	-	-	F
3.2.2	Gabaldon RHU	Gabaldon	B	130	Municipal WS	Spring	-	-	-	C/D
3.2.3	San Isidro RHU	San Isidro	A	160	Public Well	Shallow Well	Shallow HP	42	32	A
3.3.1	Labi BHS	Bongaban	B	60	Barangay WS	Spring	-	-	-	C/E
3.3.2	San Felipe BHS	Laur	B	60	Barangay WS	Deep Well	-	-	-	C/E
3.3.3	Pinahan BHS	Gen Natividad	B	60	Public WS	Deep Well	Shallow HP	30	100 (32)	B 2)
3.3.4	Paitan Sur BHS	Cuyapo	B	60	Public WS	Deep Well	-	-	-	B 1)
3.3.5	Puncan BHS	Carranglan	C	35	Barangay WS	Spring	-	-	-	C/E
3.3.6	Alula BHS	Talugug	B	60	Public WS	Deep Well	Deep well HP	30	100 (32)	B 2)
3.3.7	San Nicolas BHS	Llanera	B	60	Private/Public WS	Shallow Well	Shallow HP	12	32	B 1)
3.3.8	Coception BHS	General Tinio	B	60	Barangay WS	Deep Well	-	-	-	C/E
3.3.9	San Miguel BHS	Quezon	B	60	Individual WS	Shallow Well	Shallow HP	36	50	B 2)
3.3.10	Monic BHS	Nampicuan	B	60	Individual WS	Dug Well	Shallow HP	7	38	B 1)

Cont.,

Re. No.	Facility Name	Municipality	Facility		Existing Water Supply		Planned Pump and Well			Planned Type of Water Supply
			Type	Area (m ²)	Type of WS System	Water Sources	Hand Pump	Well Depth	Well Dia.	
PAMPANGA										
4.1.0	Pampanga Provincial Hospital	Guagua	390 (30)	420	Individual WS	-	-	-	-	C
4.2.1	Arayat RHU I	Arayat	B	130	Individual WS	-	-	-	-	C
4.2.2	San Ildefonso RHU	Magalang	B	130	Private WS	Shallow Well	Shallow HP	8	38	A
4.2.3	Mexico IRHU	Mexico	B	130	Individual WS	Shallow Well	Shallow HP	24	32	A
4.3.1	Pauc Pac BHS	Lubao	B	60	Private WS	Shallow Well	Shallow HP	12	32	B 1)
4.3.2	Malabo BHS	Floridablanca	B	60	Private WS	Shallow Well	Shallow HP	12	32	B 1)
4.3.3	Tagulod BHS	Candaba	B	60	Private WS	Shallow Well	Shallow HP	48	32	B 1)
4.3.4	Paligui BHS	Apalit	C	35	Private WS	Deep Well	-	-	-	C
4.3.5	Pulungmasle BHS	Guagua	B	60	Private WS	Shallow Well	Shallow HP	18	32	B 1)
4.3.6	San Isidro BHS	San Luis	B	60	Private WS	Shallow Well	Shallow HP	54	32	B 1)
4.3.7	Batang II BHS	Sasman	B	60	Individual WS	Deep Well	-	-	-	B 1)
4.3.8	Aguso BHS	Mabalacat	B	60	Mabalacat Water District	-	-	-	-	C/E
4.3.9	Pio BHS	Porac	B	60	Barangay WS	-	-	-	-	C/E
4.3.10	San Juan BHS	Sta Ana	A	80	Individual WS	-	-	-	-	C/E
TARLAC										
5.1.1	San Clemente RHU	San Clemente	B	130	Individual WS	Shallow Well	-	-	-	A
5.1.2	Moncada RHU	Moncada	A	160	Municipal WS	-	-	-	-	C/D
5.1.4	Victoria II RHU	Victoria	B	130	Individual WS	Deep Well	Shallow HP	10	38	A
5.2.1	Manga BHS	Capas	B	60	Public WS	Shallow Well	-	-	-	B 1)
5.2.2	Ventimilia BHS	Paniqui	B	60	Individual WS	Shallow Well	-	-	-	B 1)
5.2.3	Defa Paz BHS	Tarlac	B	60	Private WS	Shallow Well	Shallow HP	9	38	B 1)
5.2.4	Parang BHS	Conception	B	60	Private WS	Shallow Well	-	-	-	B 1)
5.2.5	San Francisco BHS	Sta. Ignacia	B	60	Public WS	Shallow Well	-	-	-	B 1)
5.2.7	Tancarang BHS	Mayantoc	B	60	Barangay WS	-	-	-	-	C/E
5.2.8	Quezon BHS	Gerona	B	60	Private WS	Deep Well	-	-	-	B 1)
5.2.9	Pacpaco BHS	San Manuel	B	60	Individual WS	Deep Well	Deep well HP	18	100 (32)	B 1)
5.2.10	Nilasin BHS	Pura 1st	B	60	Individual WS	Shallow Well	Shallow HP	12	32	B 1)
5.2.11	San Juan BHS	Ramos	B	60	Individual WS	Shallow Well	Shallow HP	12	32	B 1)
ZAMBALES										
6.1.0	Pres. R. Magsaysay Memorial Hospital	Iba	370 (30)	400	Individual WS	-	-	-	-	C
6.2.1	Sta. Cruz RHU I	Sta. Cruz	B	130	Municipal WS	-	-	-	-	C/D
6.2.2	Botolan RHU II	San Juan, Botolan	B	130	Barangay WS	-	-	-	-	C/D
6.2.3	San Antonio RHU	San Antonio	B	130	San Antonio Water District	-	-	-	-	C/D
6.3.2	San Isidro BHS	Subic	A	80	Subic Water District	-	-	-	-	C
6.3.3	Umay BHS	San Narciso	B	60	Barangay WS	-	-	-	-	C/E
6.3.4	Sta. Barbara BHS	Iba	B	60	Iba Water District	-	-	-	-	C/E
6.3.5	Panglit BHS	San Lorenzo Masinloc	B	60	Public WS	Dug Well	Dug HP	8	38	B 1)
6.3.6	Babancal BHS	Candelaria	A	80	Barangay WS	-	-	-	-	C
6.3.8	Balinacaging BHS	San Felipe	B	60	Barangay WS	-	-	-	-	B 2)
6.3.9	Felimida Diaz BHS	Cabangan	B	60	Barangay WS	Shallow Well	Shallow HP	12	32	B 1)
6.3.10	Looc BHS	Castillejos	B	60	Barangay WS	Shallow Well	Shallow HP	18	32	B 1)
6.3.12	Sabang BHS	Sta. Cruz	B	60	Barangay WS	-	-	-	-	C
6.3.14	Tube-tubo North BHS	Sta. Cruz	B	60	Public WS	Shallow Well	Shallow HP	28	32	B 1)

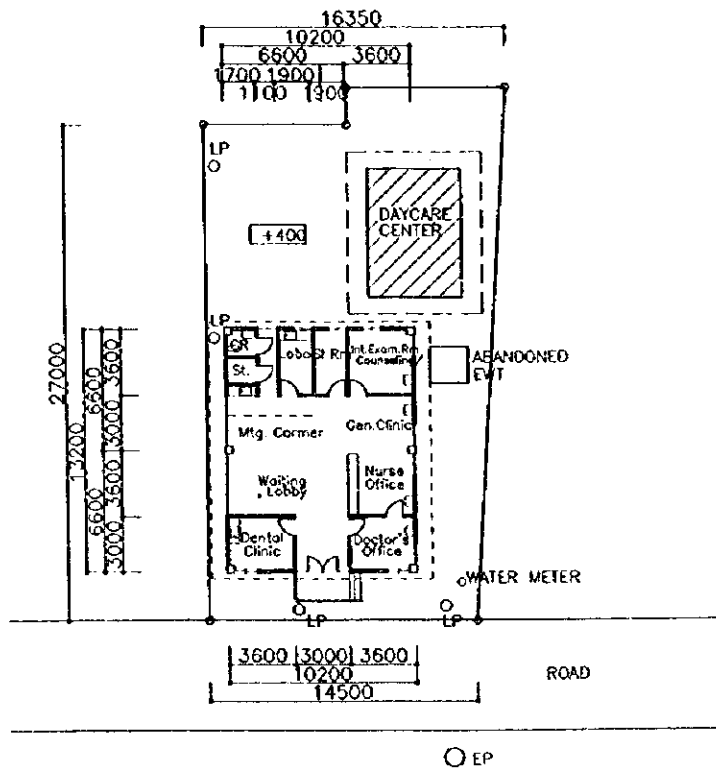
BATAAN PROVINCE

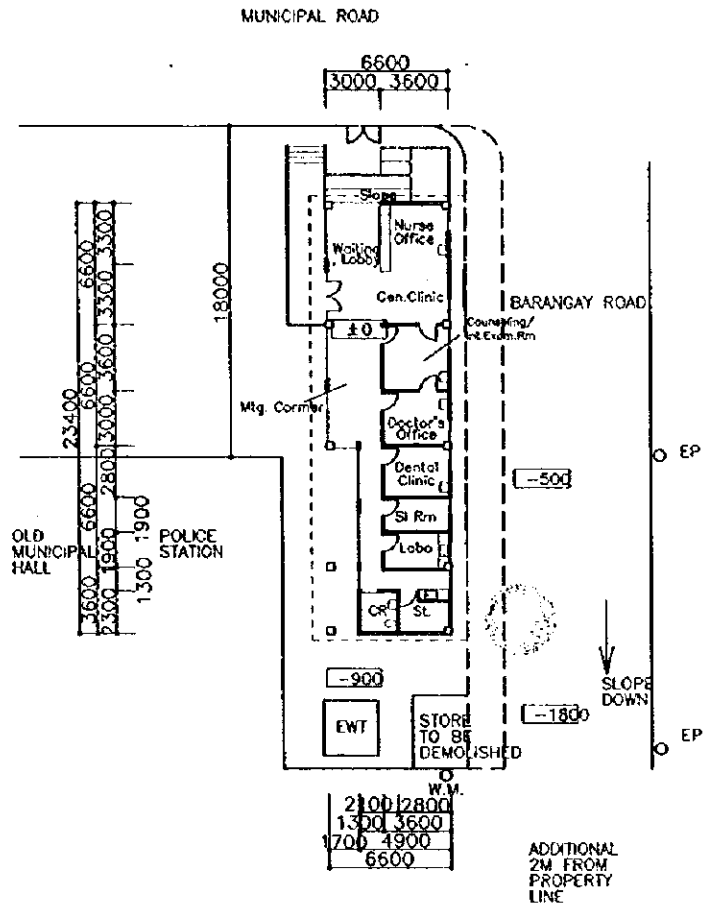
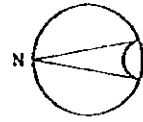


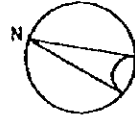


1.1.0 BATAAN PROVINCIAL HOSPITAL, BALANGA, BATAAN

S=1:400

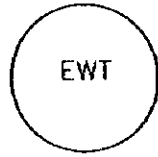
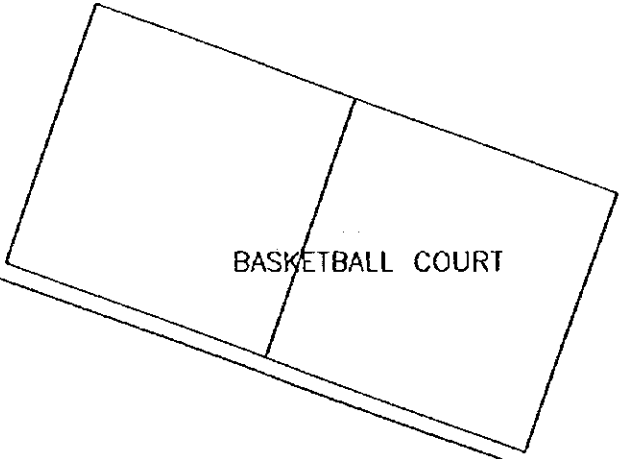






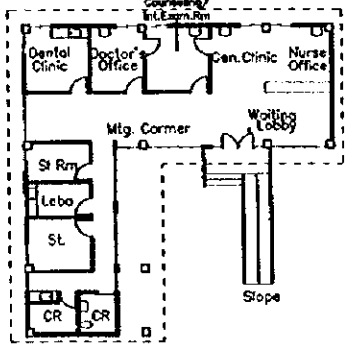
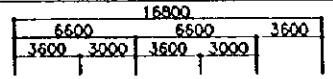
EP
○

MUNICIPAL ROAD



53000

OLD PUMP HOUSE



42300

EP
○

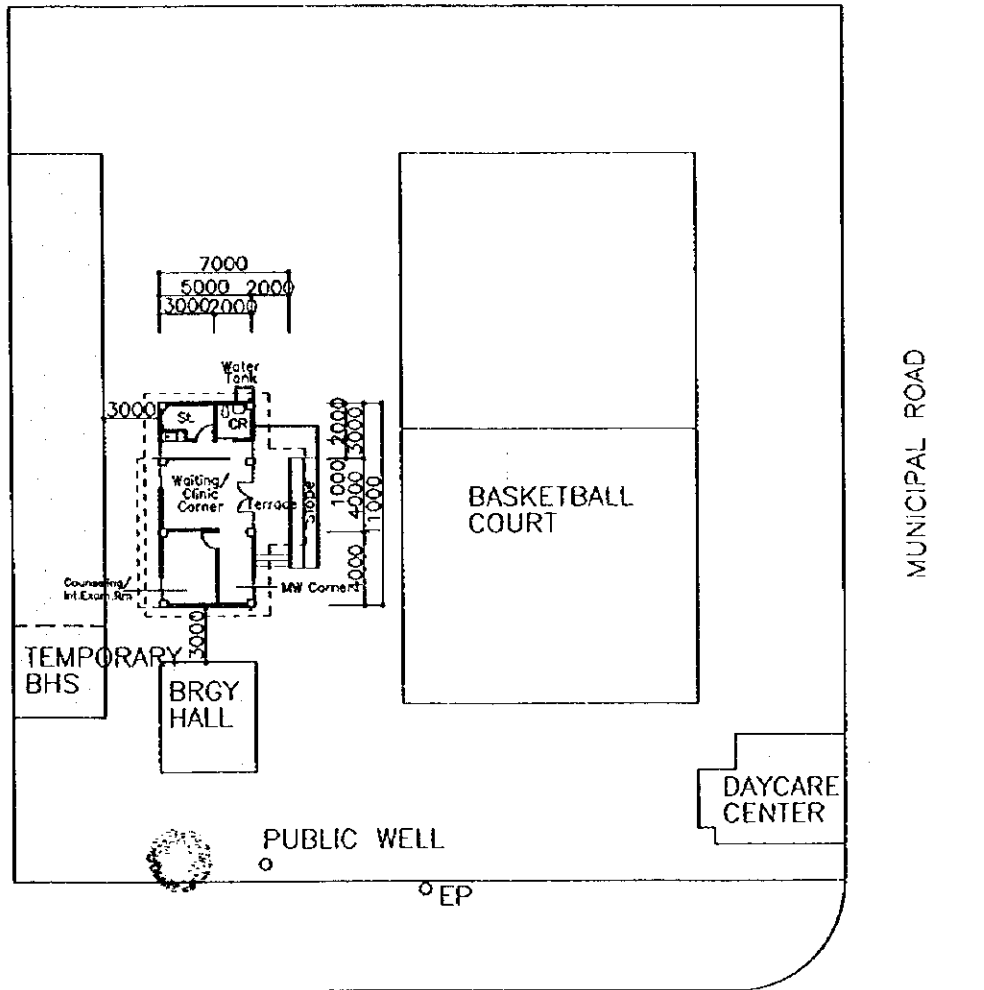
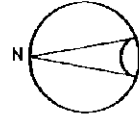
OEP

MUNICIPAL ROAD

1.2.3 ORION,ORION,BATAAN

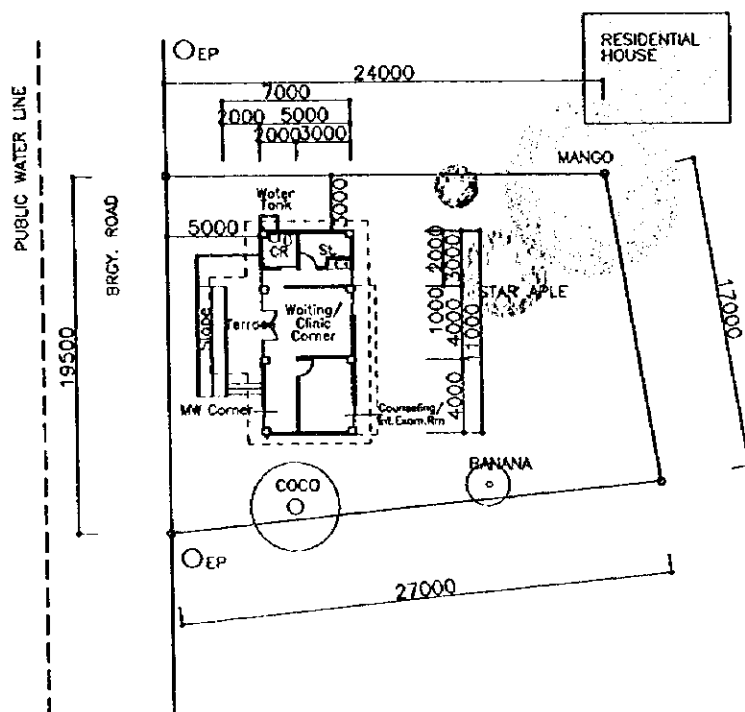
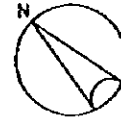
A-1

S=1:400



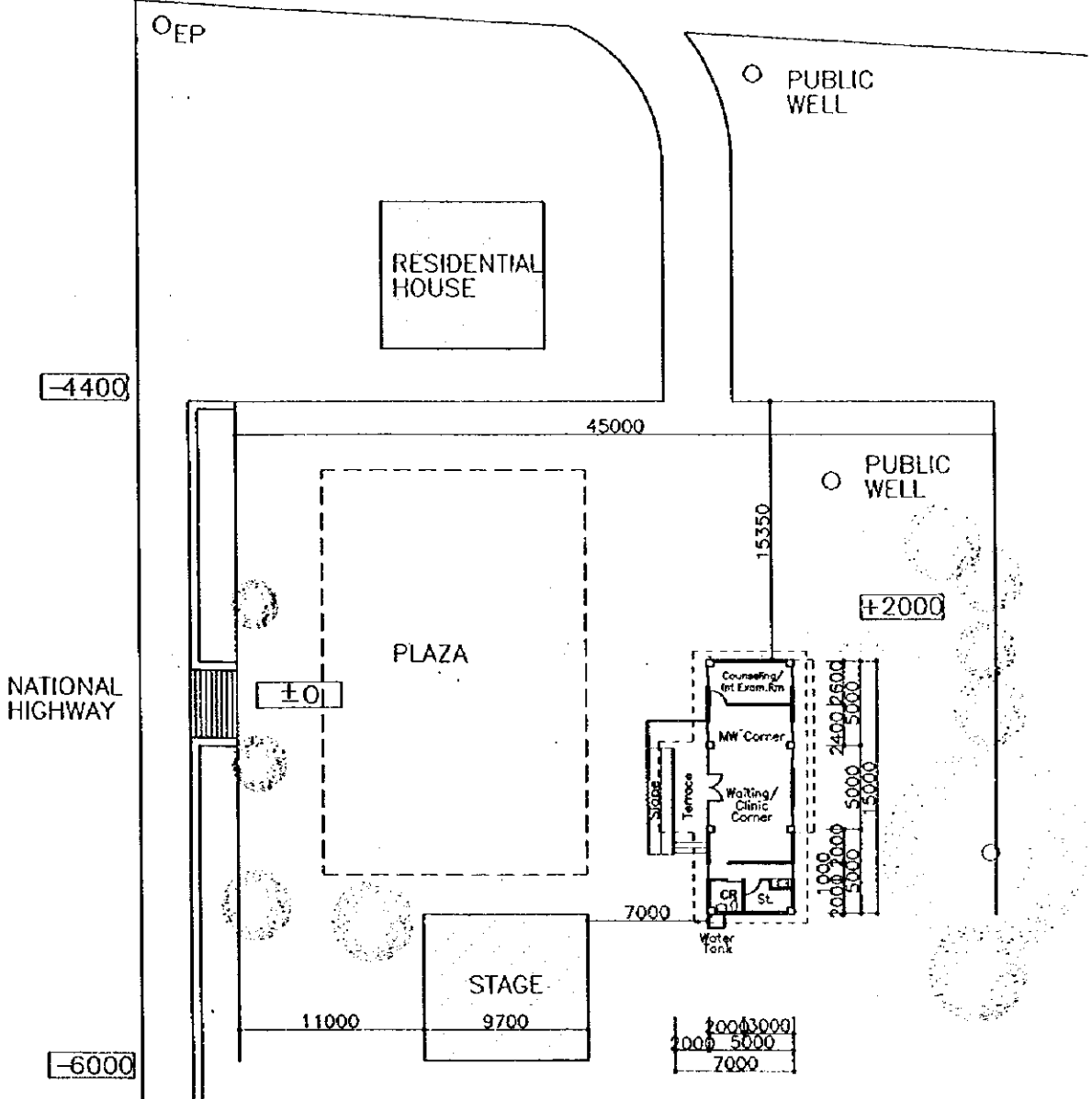
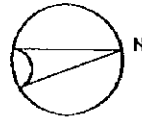
MUNICIPAL ROAD

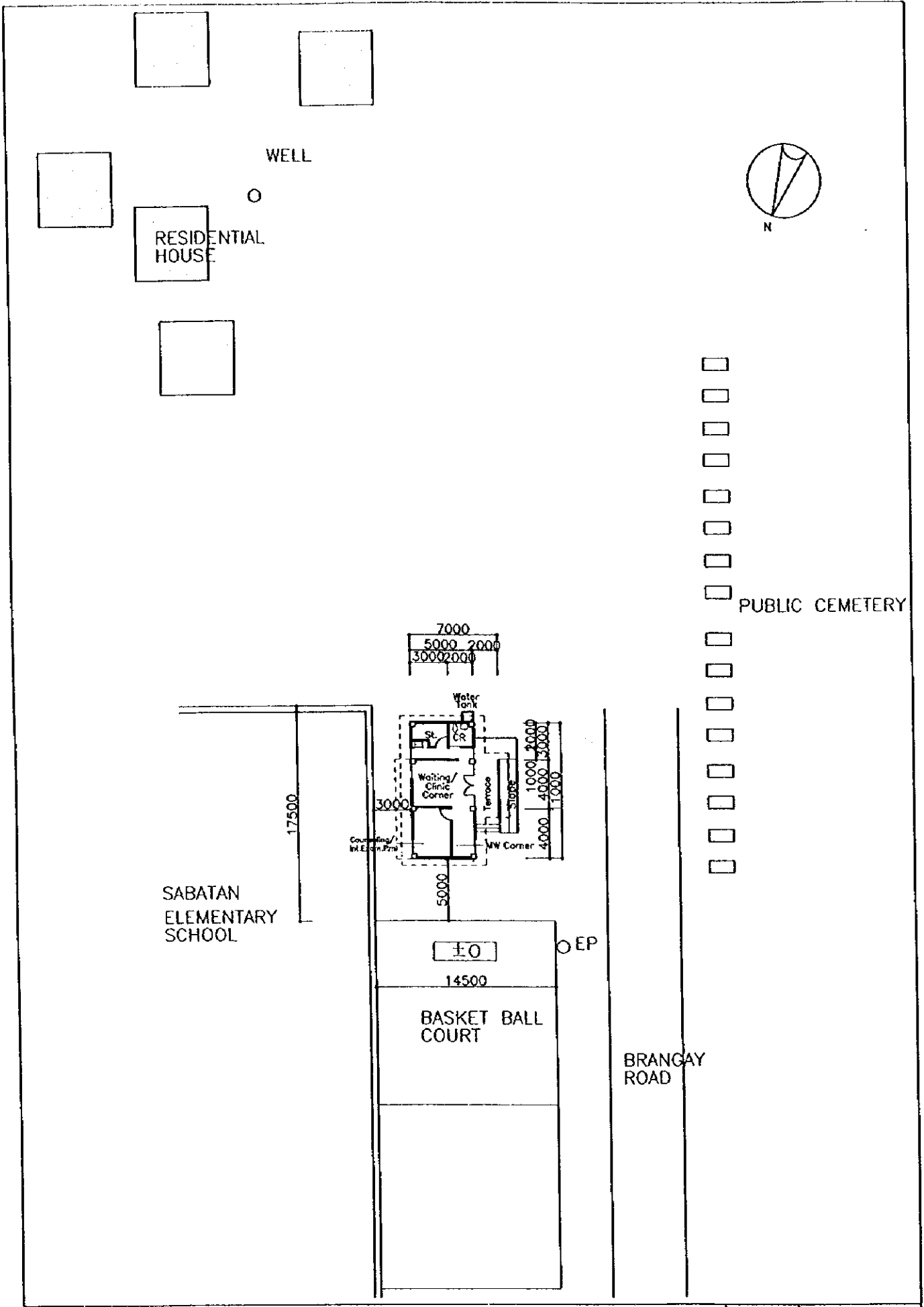
BRGY. ROAD



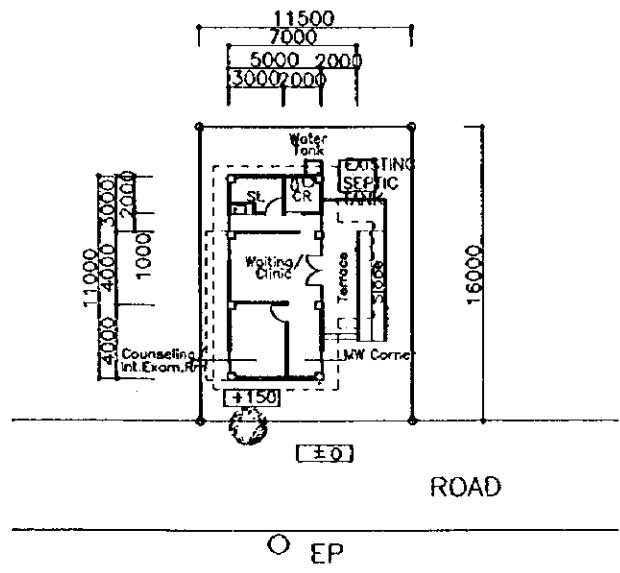
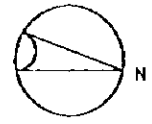
1.3.2 MABIGA, HERMOSA, BATAAN

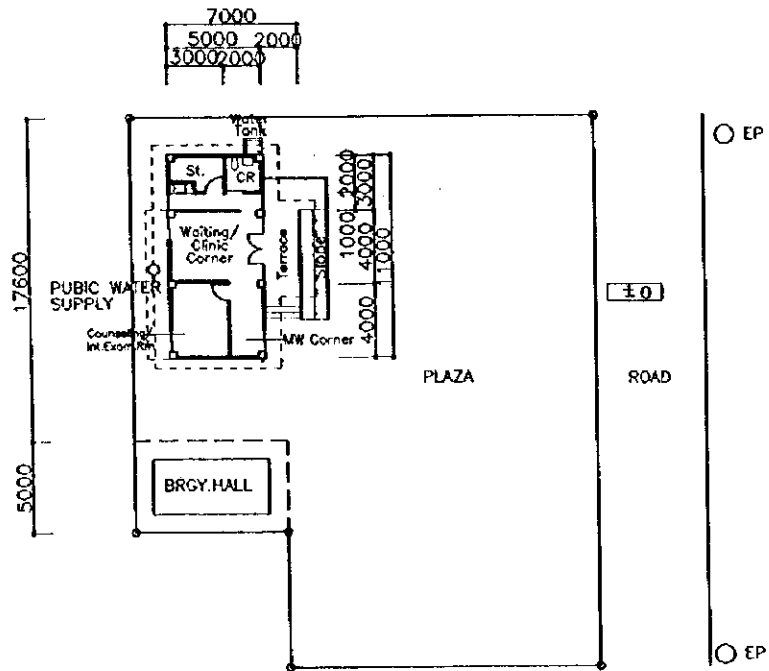
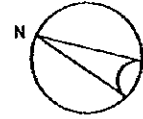
B-2 S=1:400

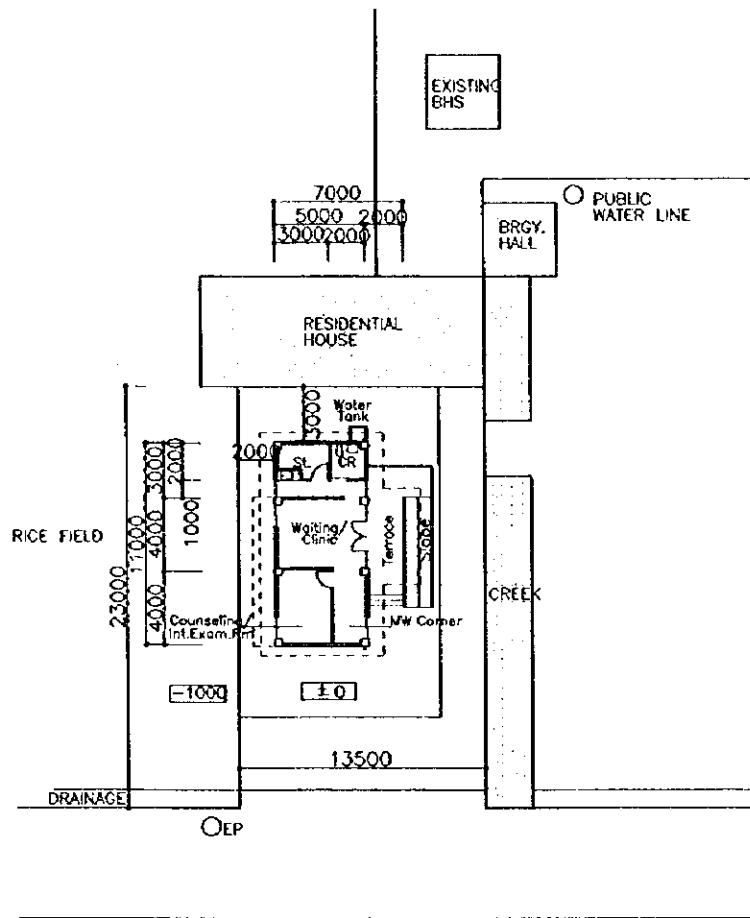
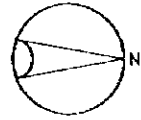


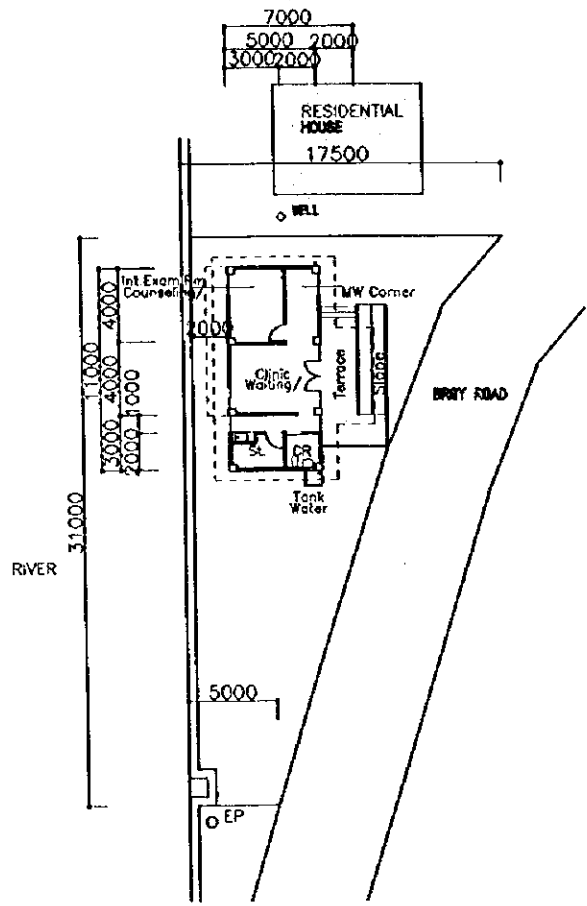
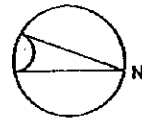


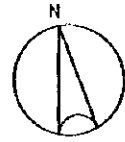
1.3.5	SABATAN, ORION, BATAAN	B-1	S=1:400
-------	------------------------	-----	---------







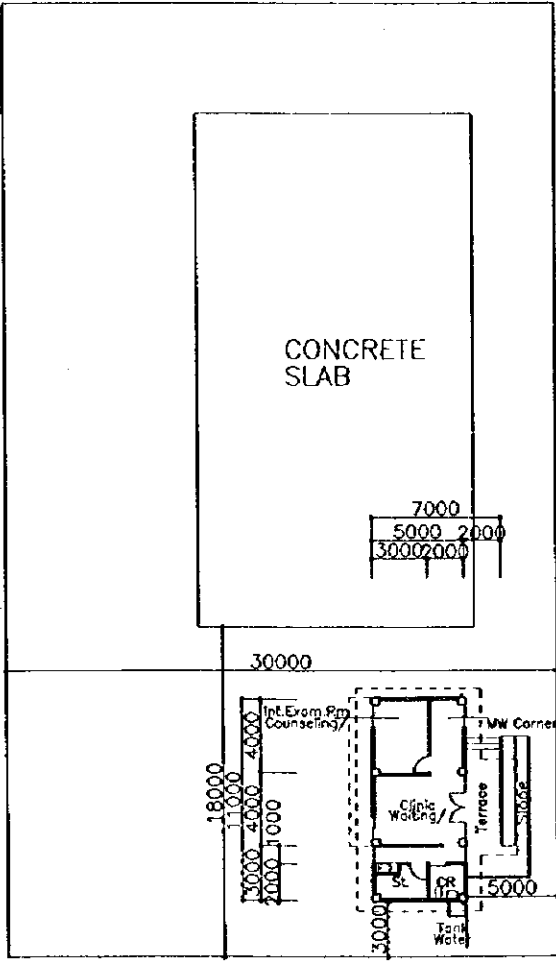




BRGY.ROAD



WELL

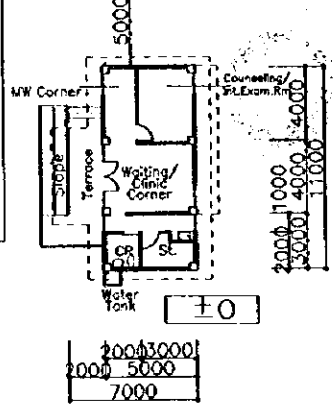
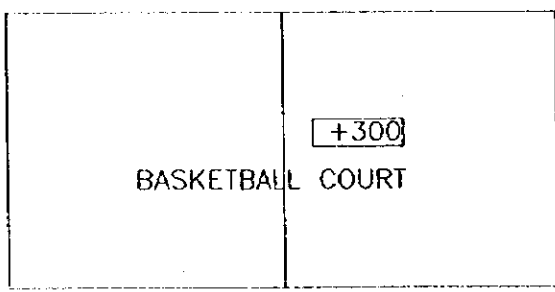
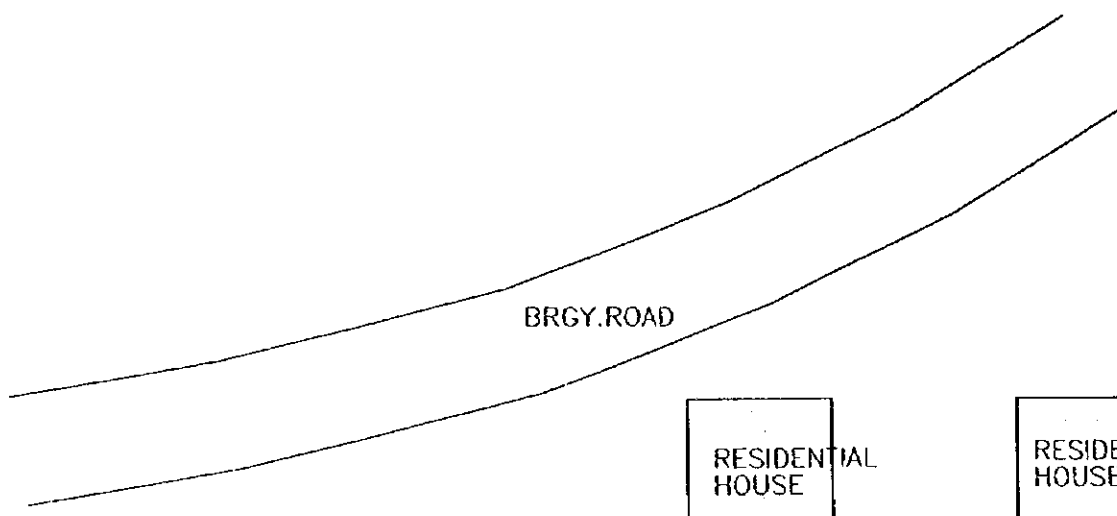
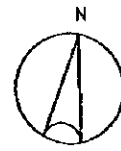


EP

BRGY.ROAD

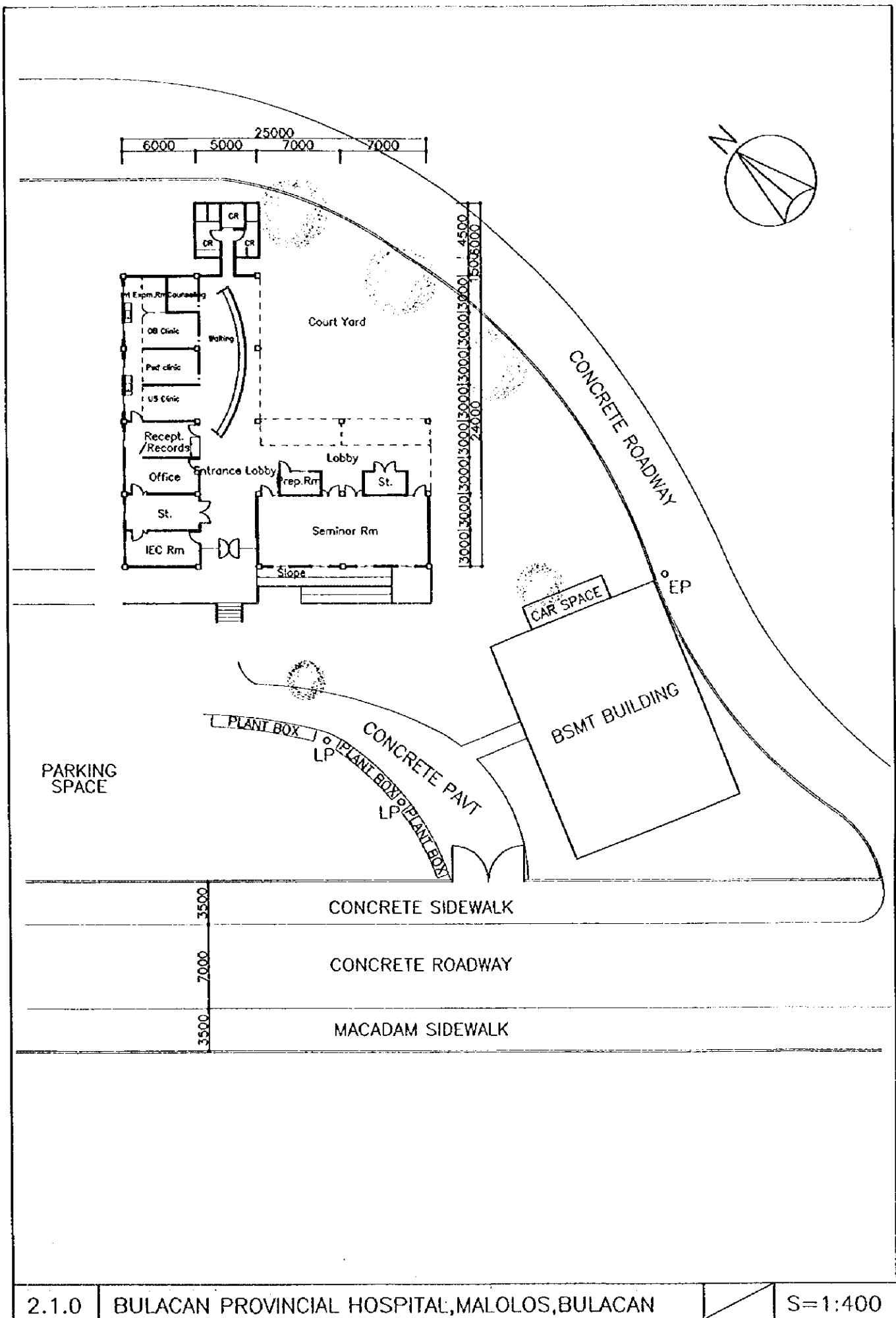


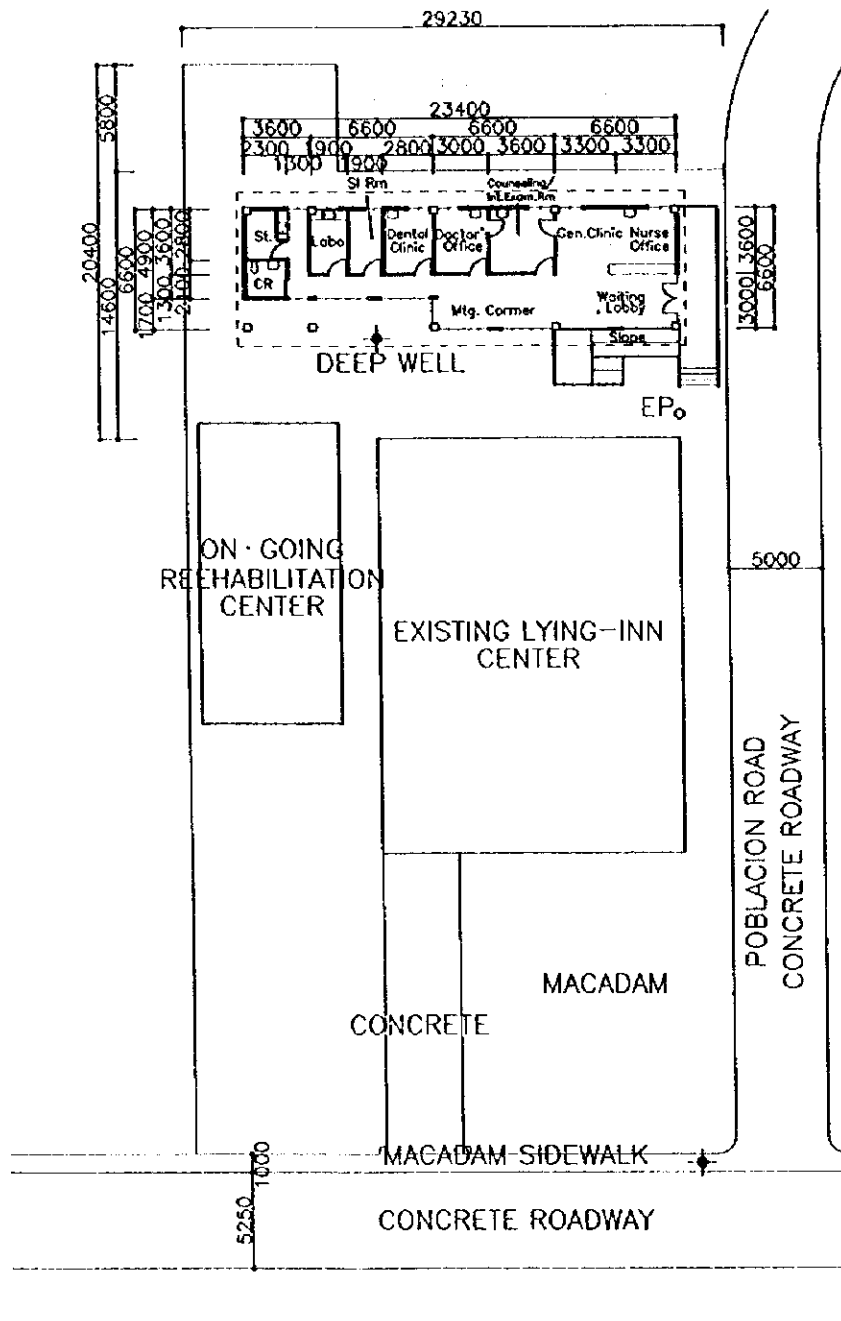
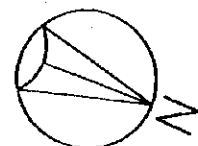
WELL

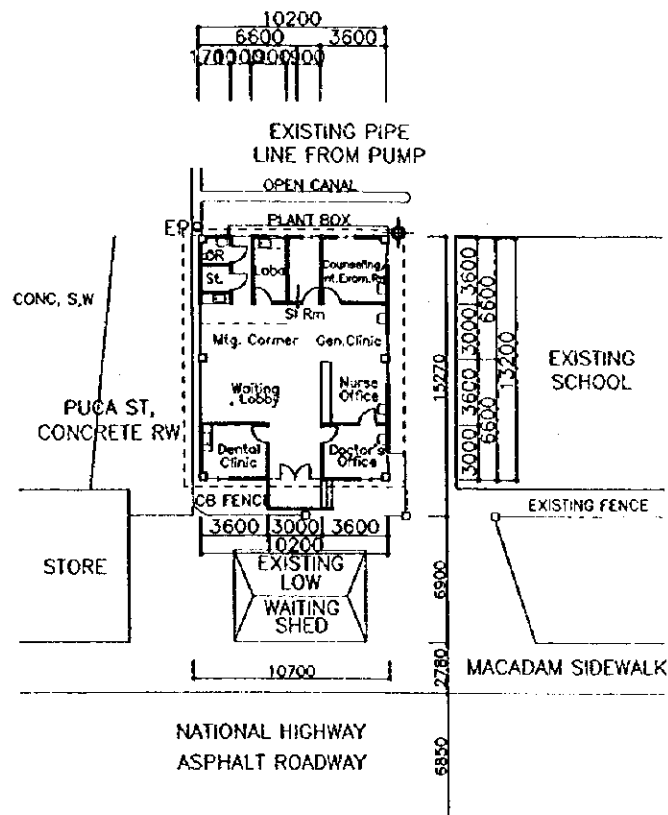
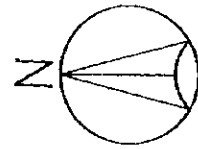


EP
○

BULACAN PROVINCE





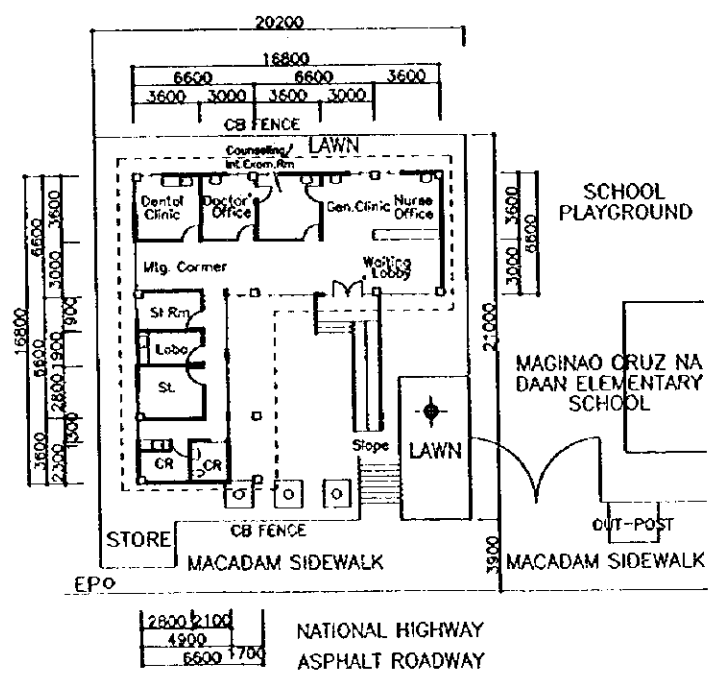
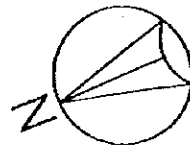


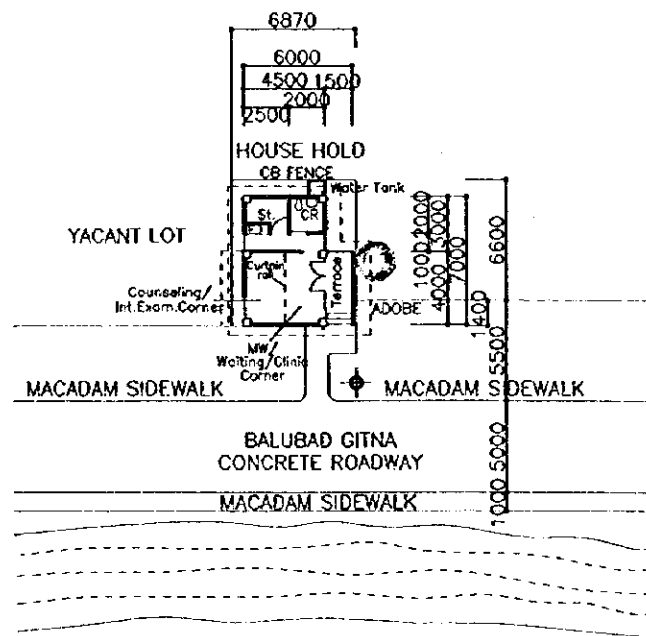
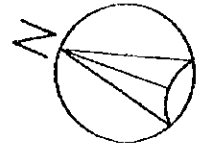
2.2.2

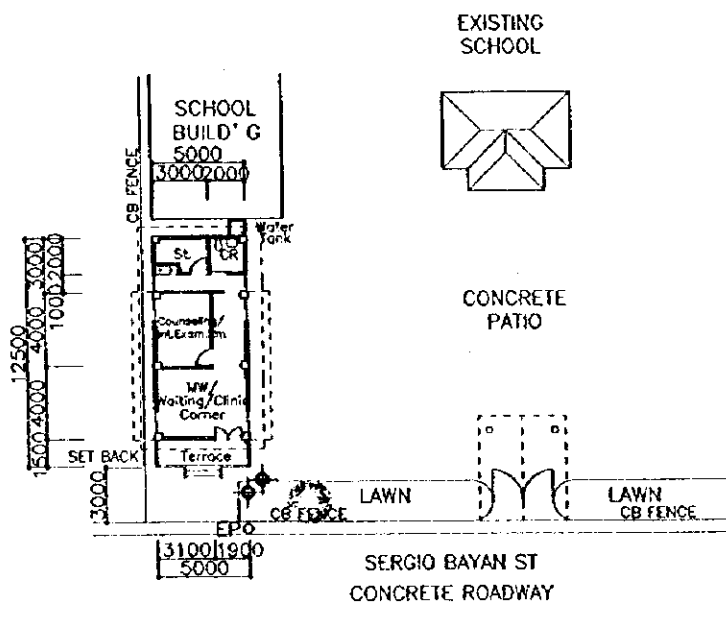
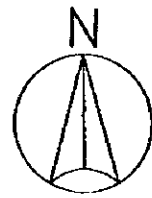
SAN MIGUEL RHU III, SALACOT, SAN MIGUEL, BULACAN

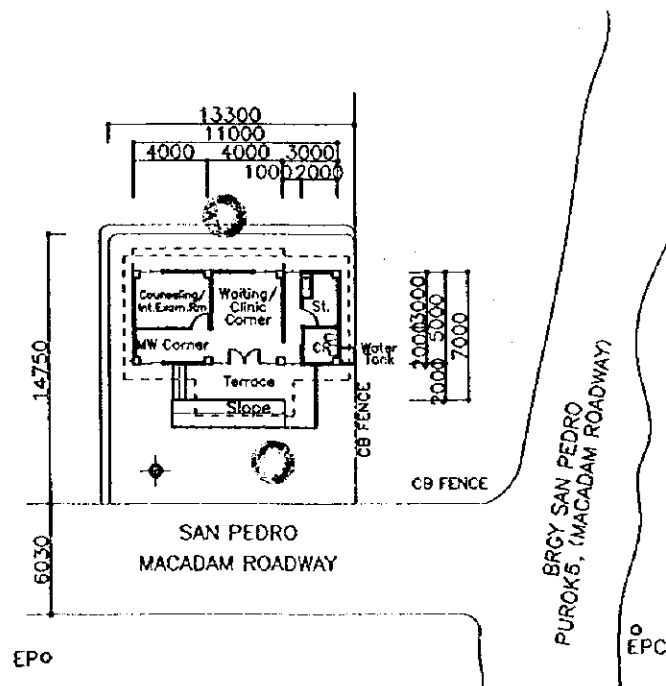
B-7

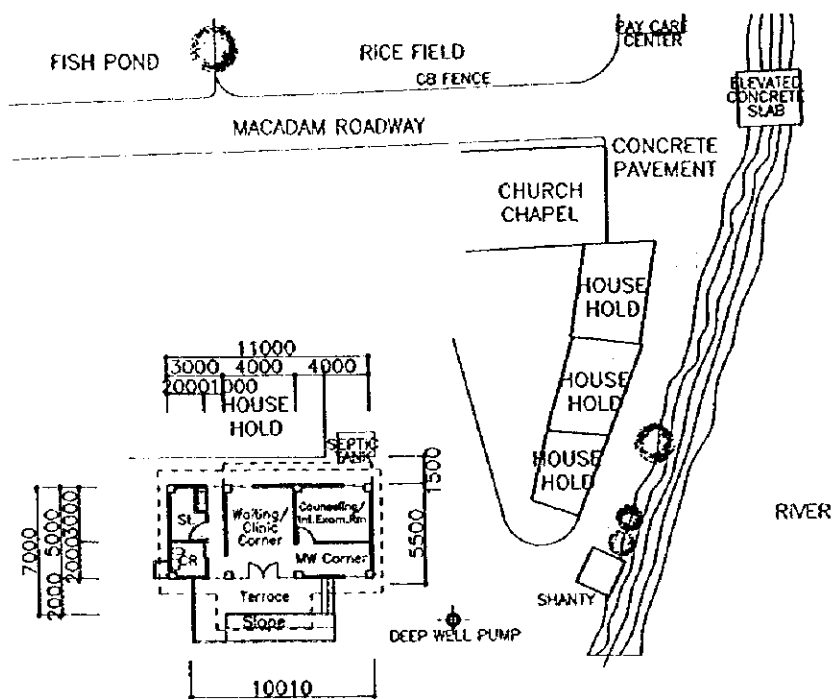
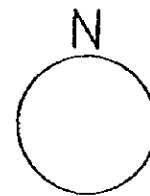
S=1:400

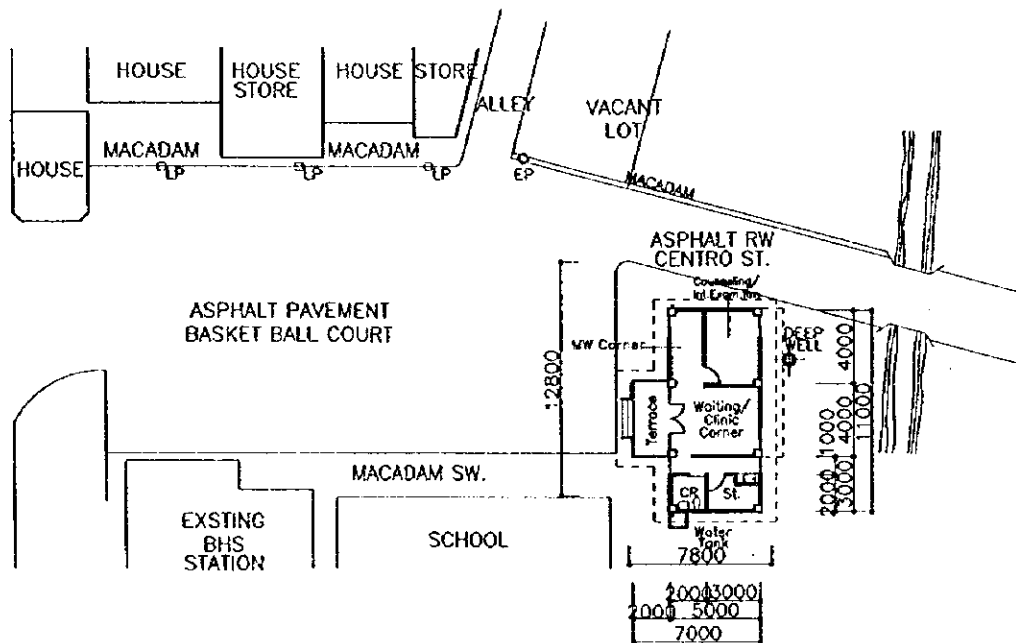
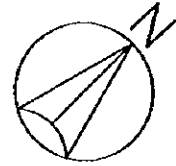






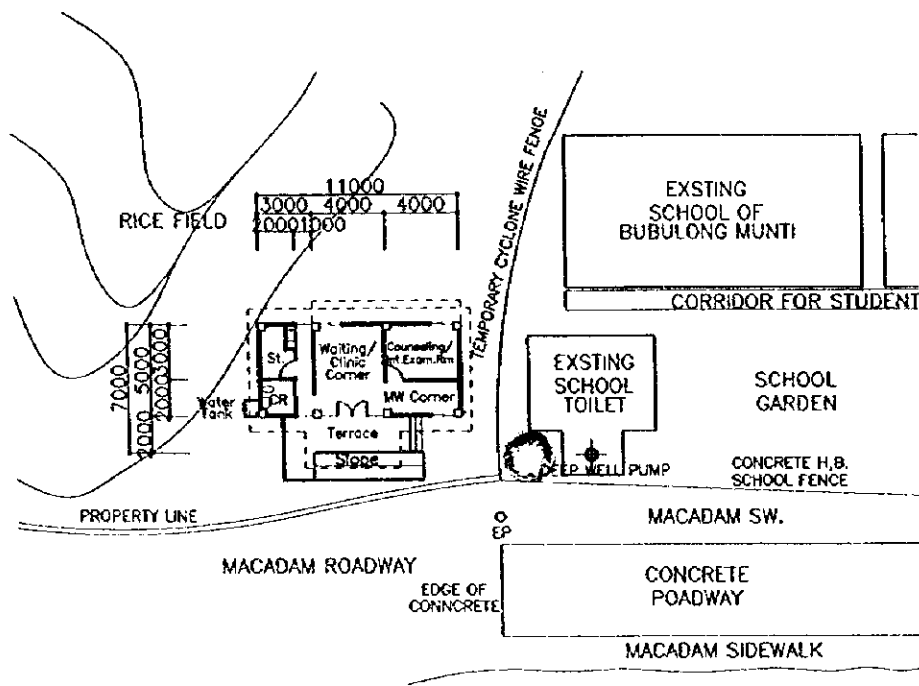
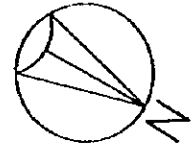


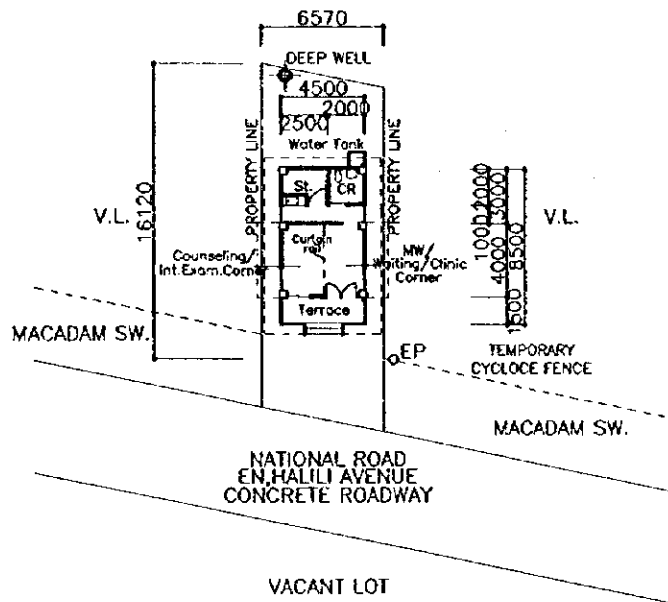
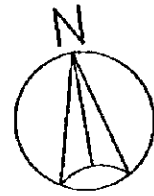




2.3.5 DULONG, MALABON, PULILAN, BULACAN

B-1 S=1:400

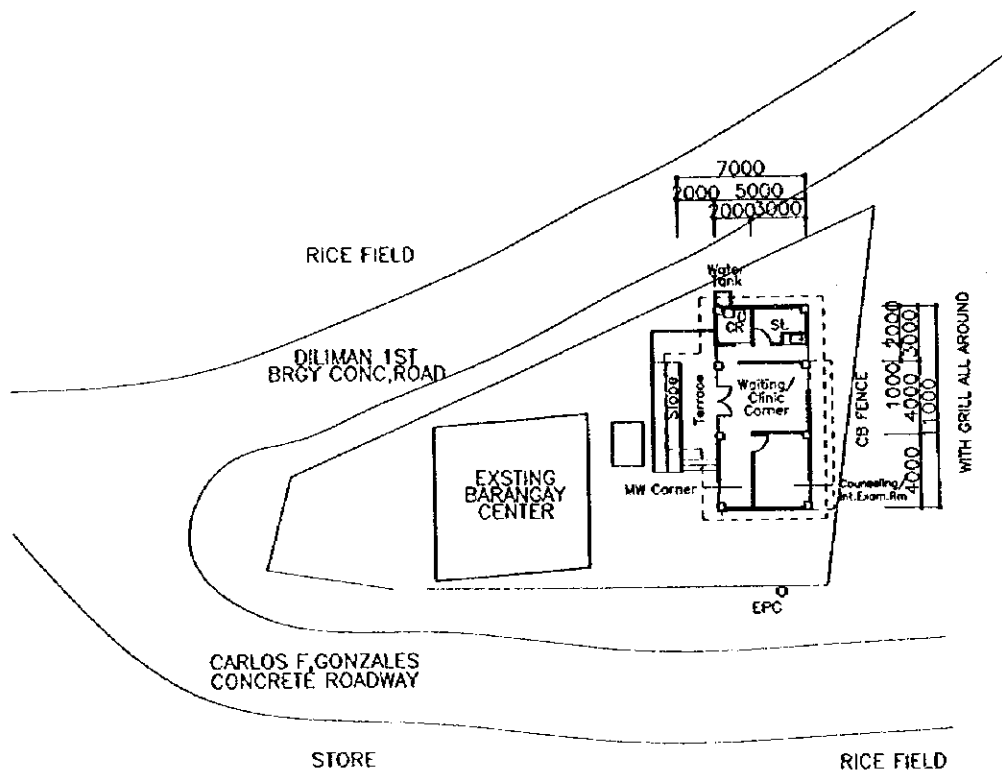
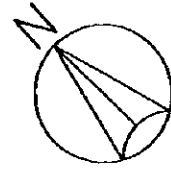


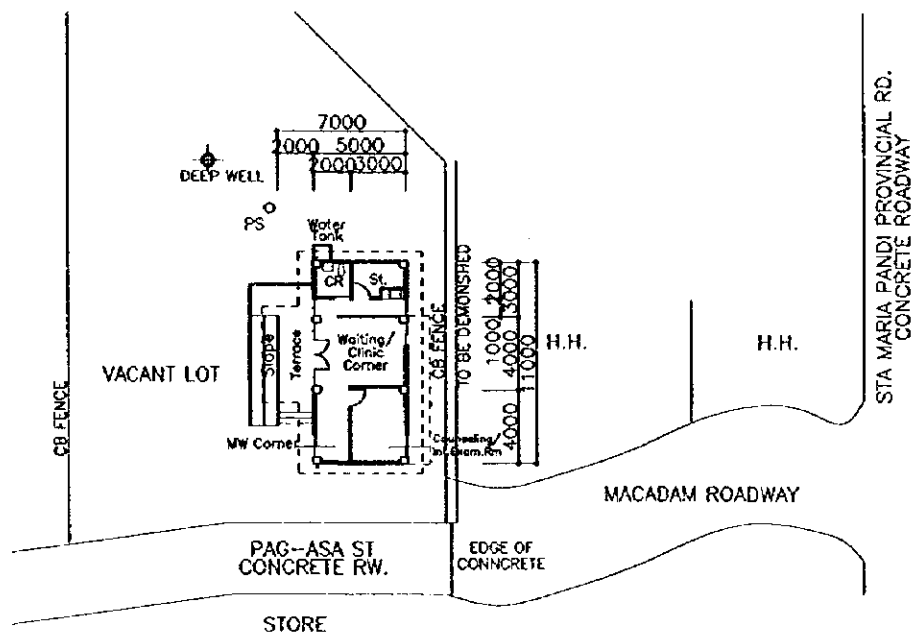
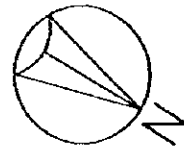


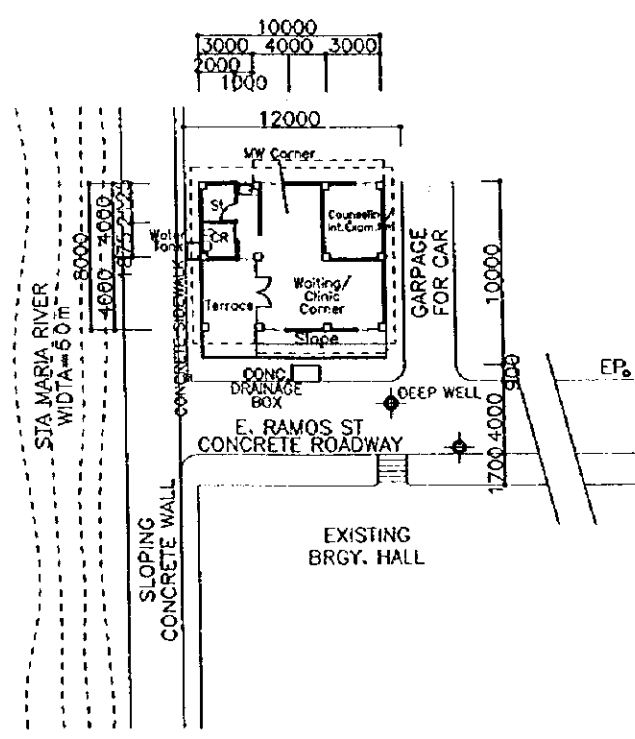
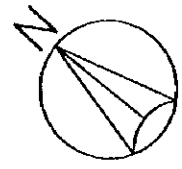
2.3.7 MUZON, SAN JOSE DEL MONTE, BULACAN

C-3

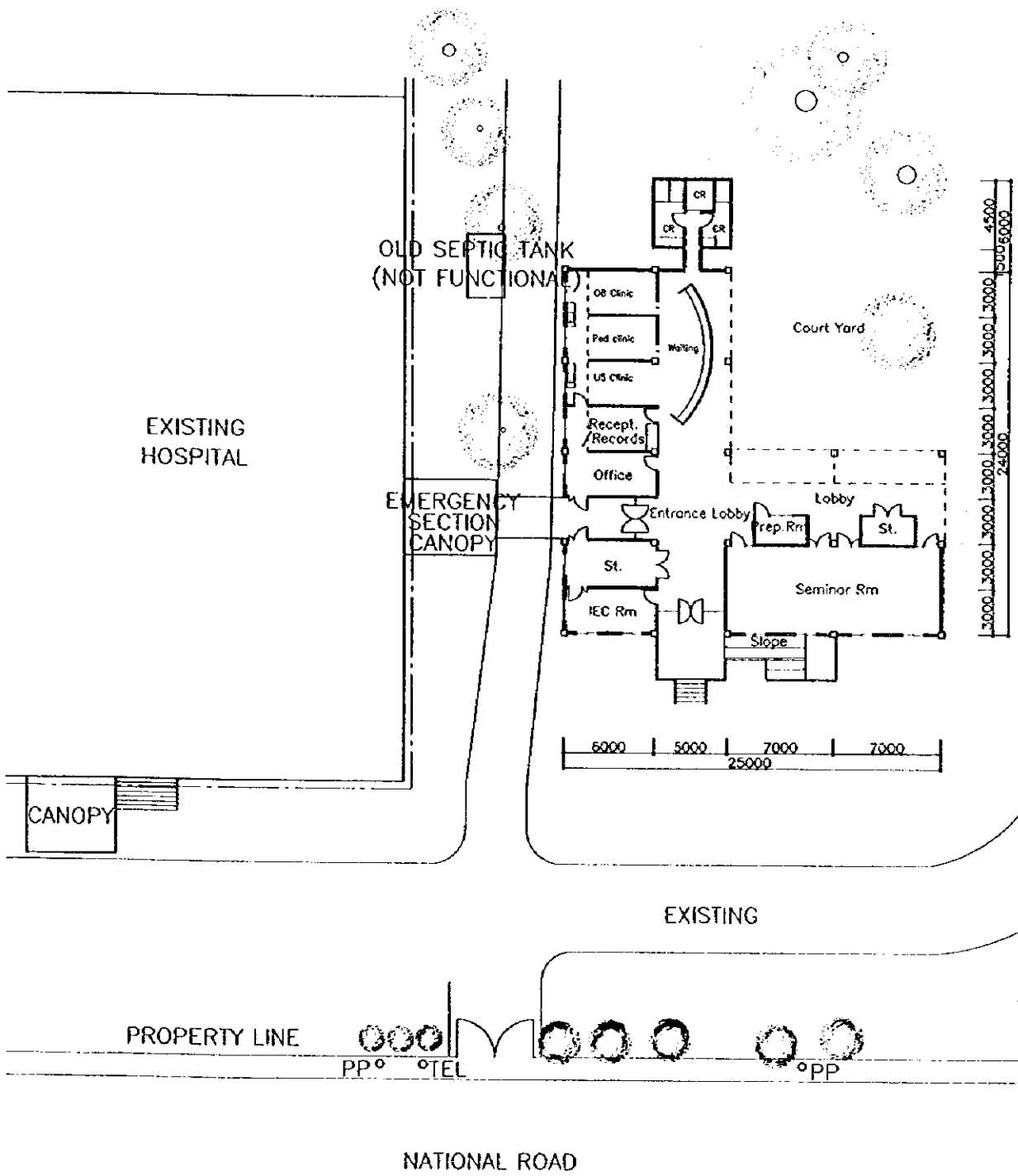
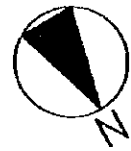
S=1:400

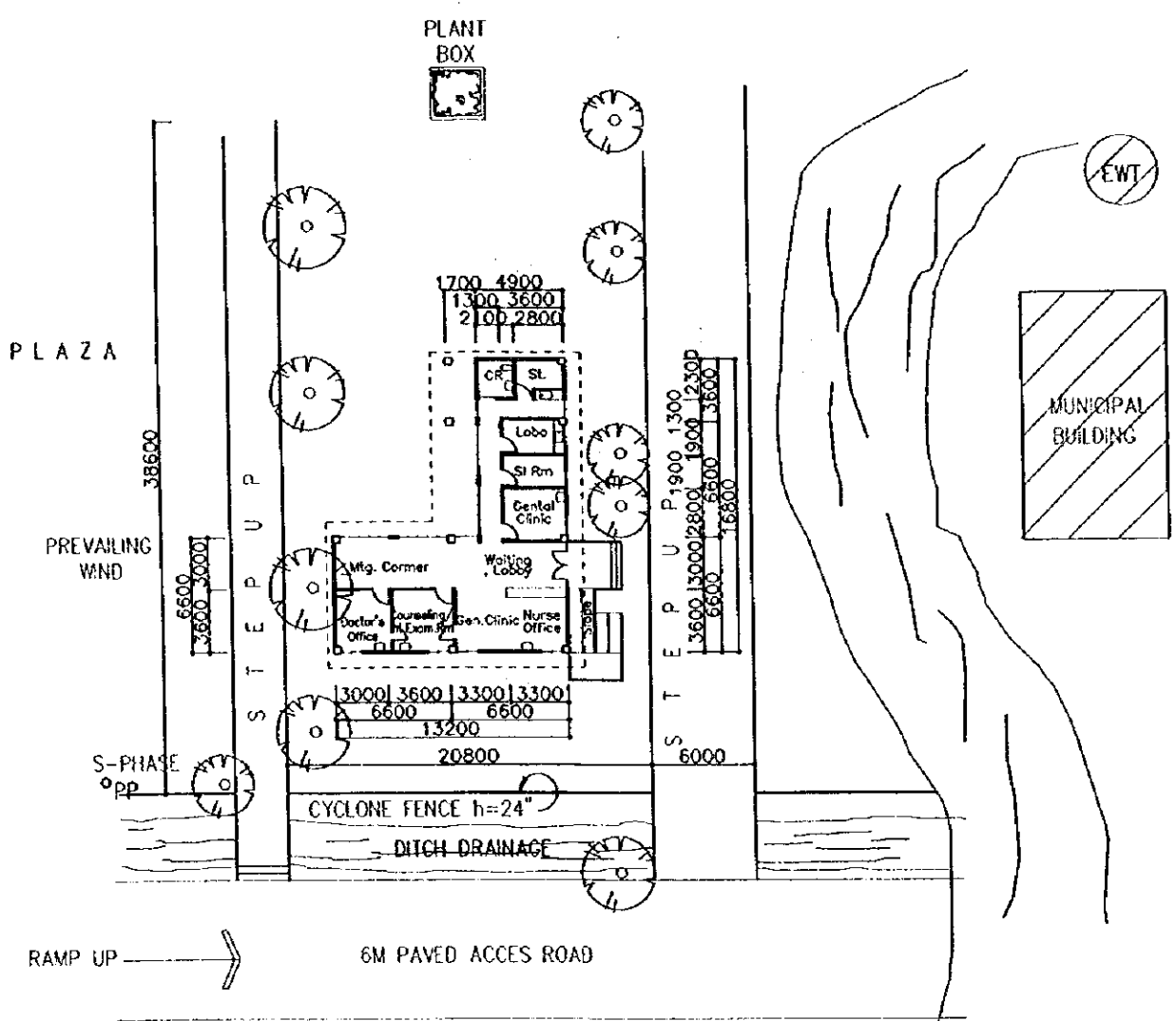
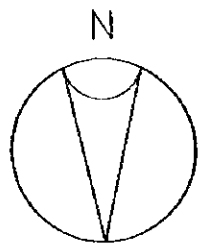






NUEVA ECIJA PROVINCE





SCALE: 1:500 M

● PRIVATE DEEPWELL

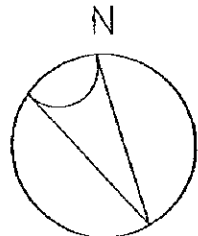
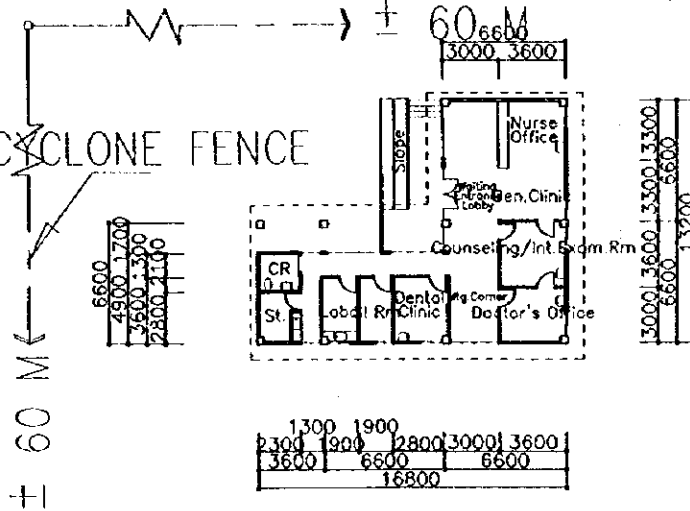
10 M BARANGAY ROAD (GRAVEL)

PP_o

PP_o

EXISTING 4' CYCLOPE FENCE

8 M BARANGAY ROAD (GRAVEL)



PP_o

PP_o

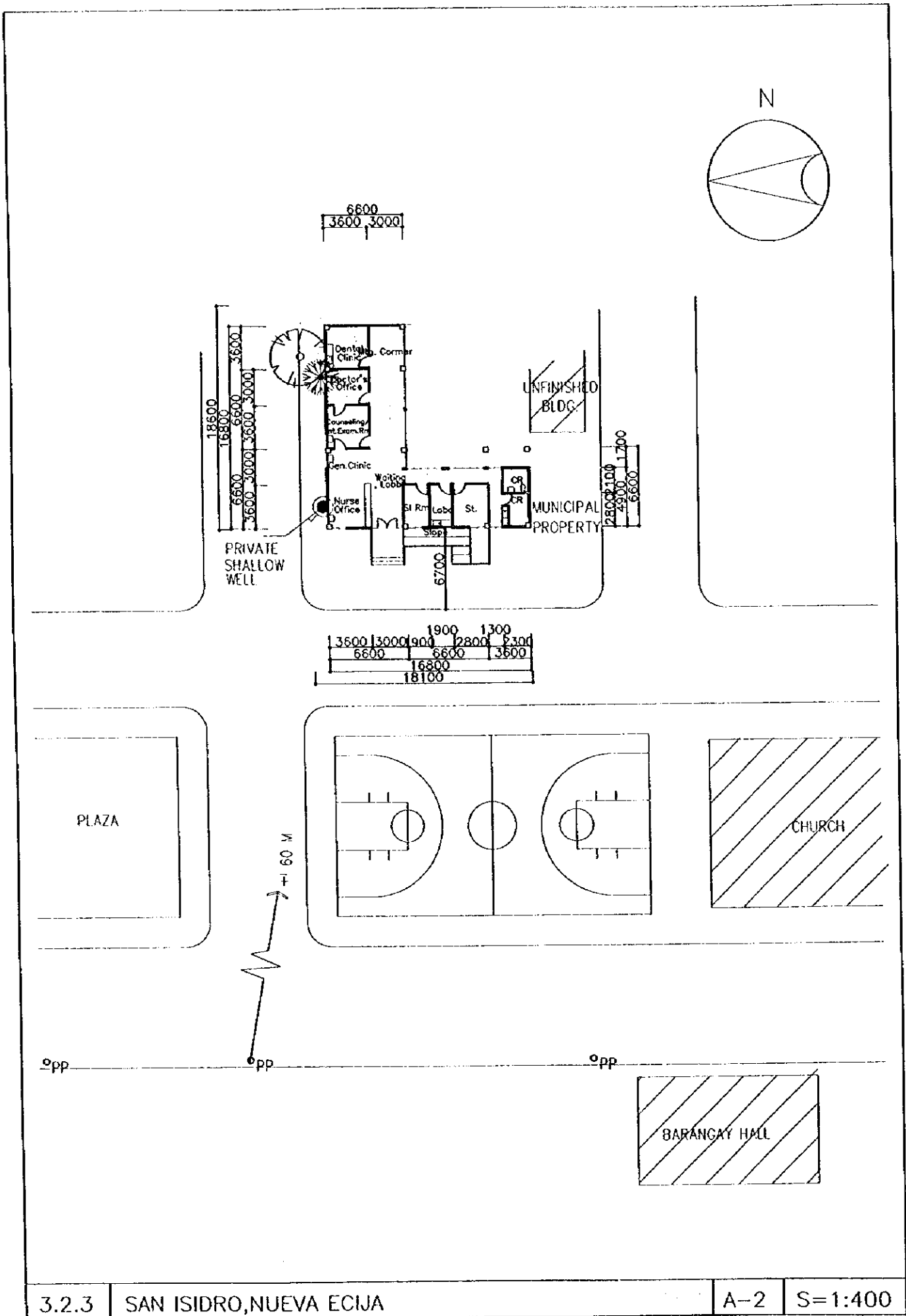
NATIONAL ROAD

3.2.2

GABALDON, NUEVA ECIJA

B-3

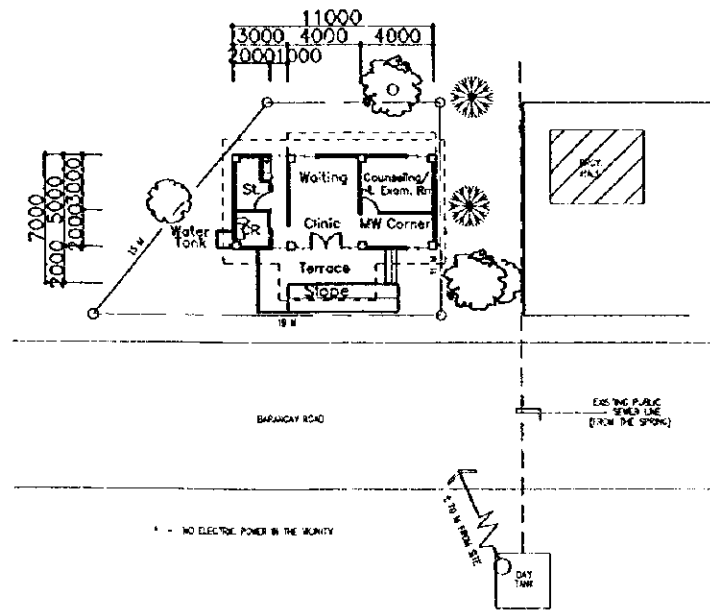
S=1:400



3.2.3 SAN ISIDRO, NUEVA ECJA

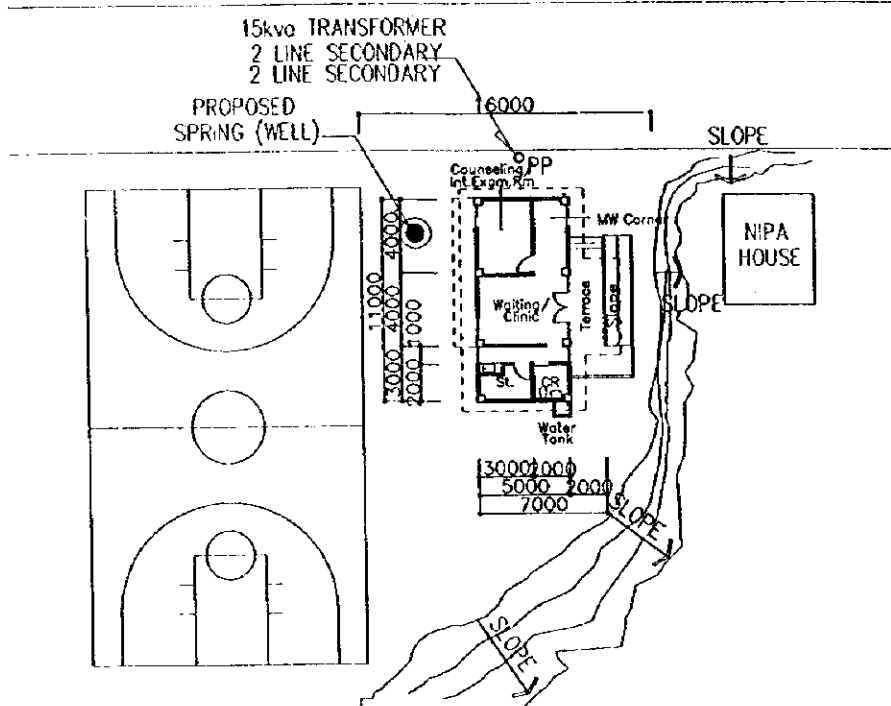
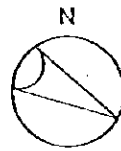
A-2

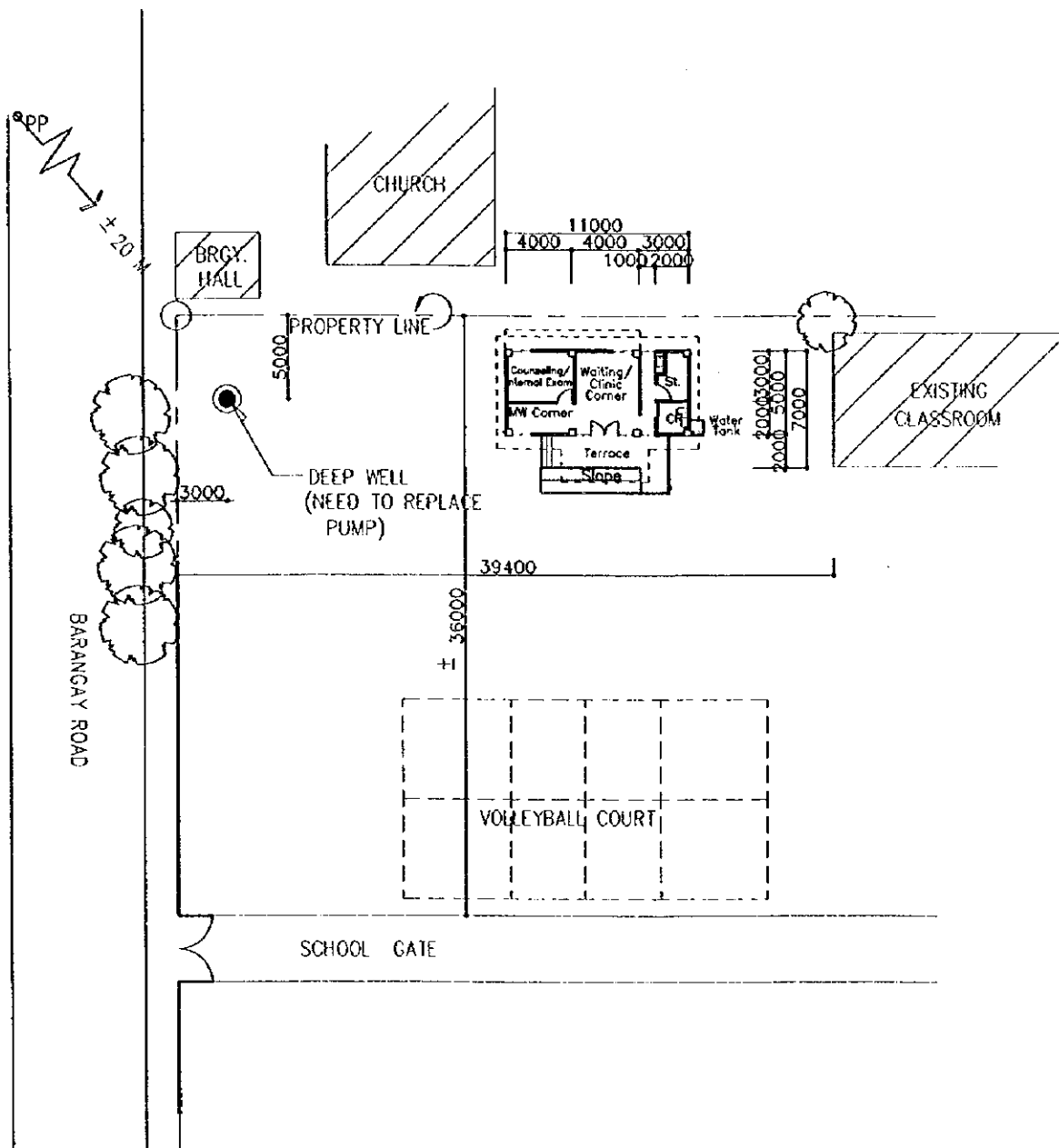
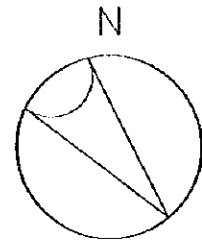
S=1:400



3.3.1 LABI, BONGABON, NUEVA ECUIJA

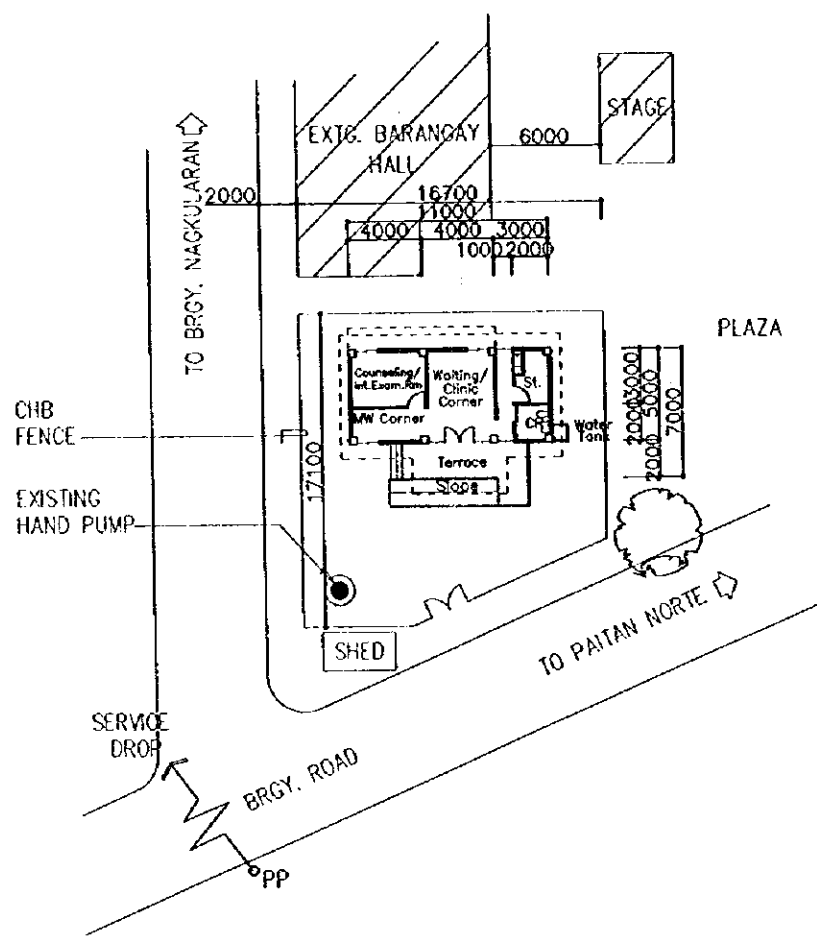
B-2 S=1:400

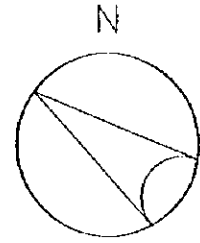




3.3.3 PINAHAN, GEN NATIVIDAD, NUEVA ECIJA

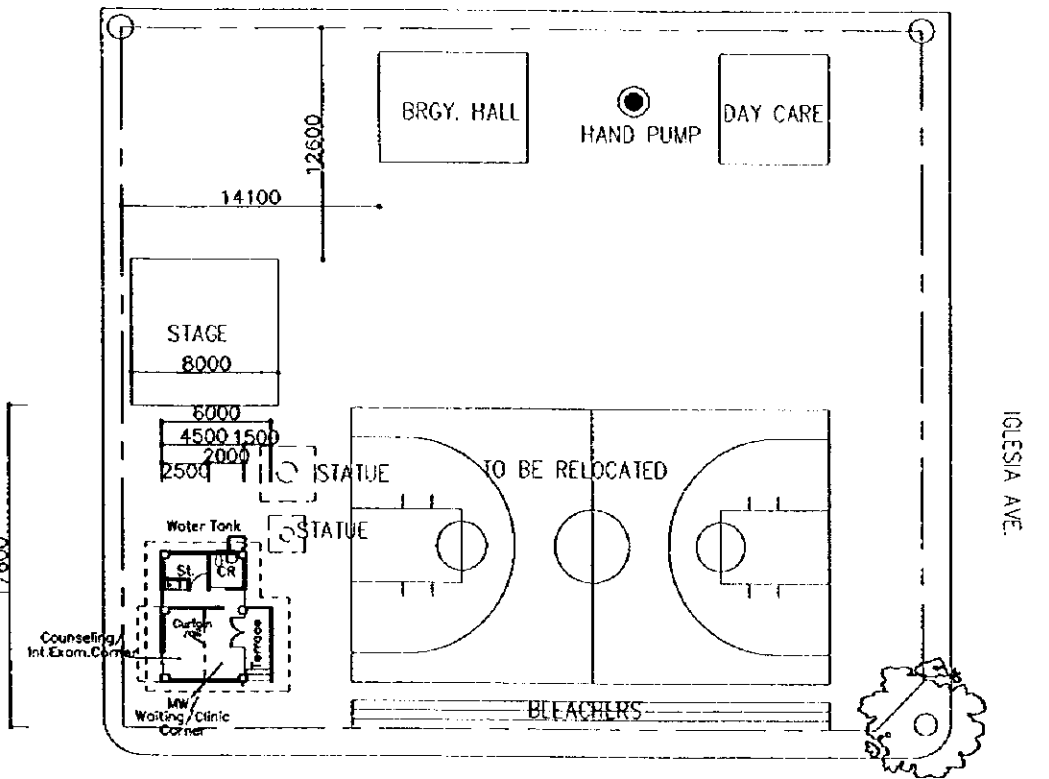
B-1 S=1:400





°PP

ROAD



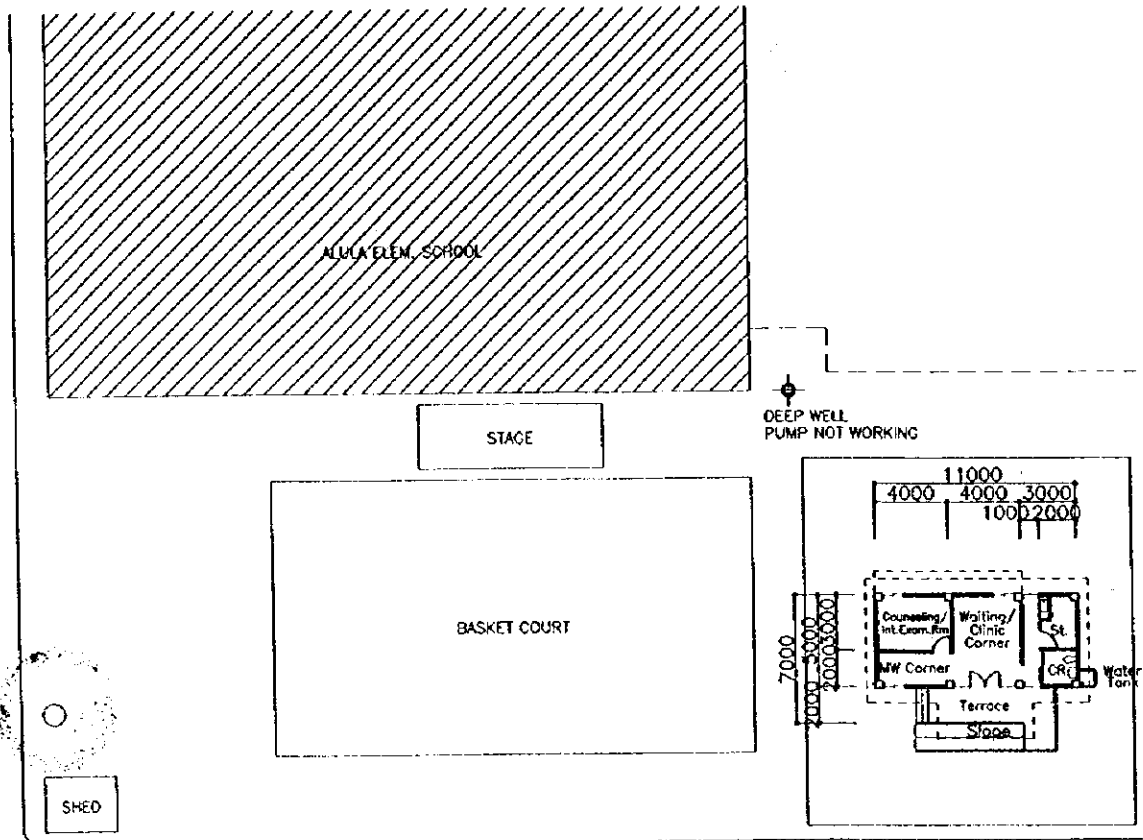
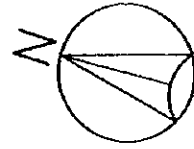
ROAD

°PP

3.3.5 PUNCAN, CARRANGLAN, NUEVA ECIJA

C-1

S=1:400



*NO ELECTRICITY IN VICINITY

DEEP WELL

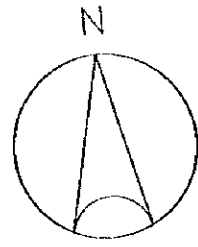


3.3.6

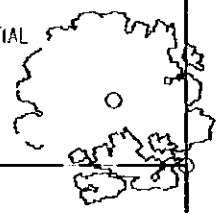
ALUTA, TALUGTOG, NUEVA ECIIJA

B-1

S=1:400

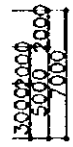
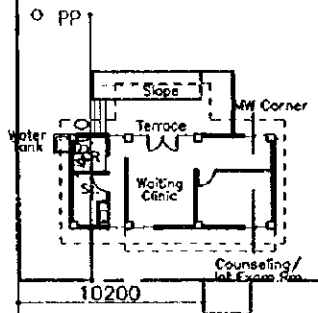
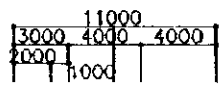


RESIDENTIAL

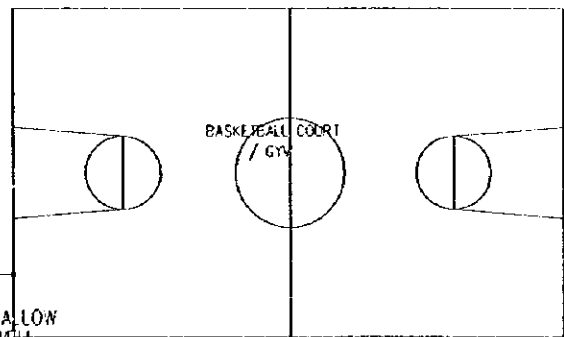


PROPOSED SITE
(RICE FIELD)

PROVINCIAL ROAD (6 MTS)



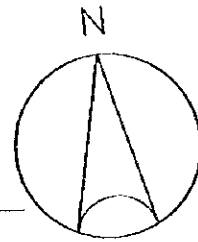
10200



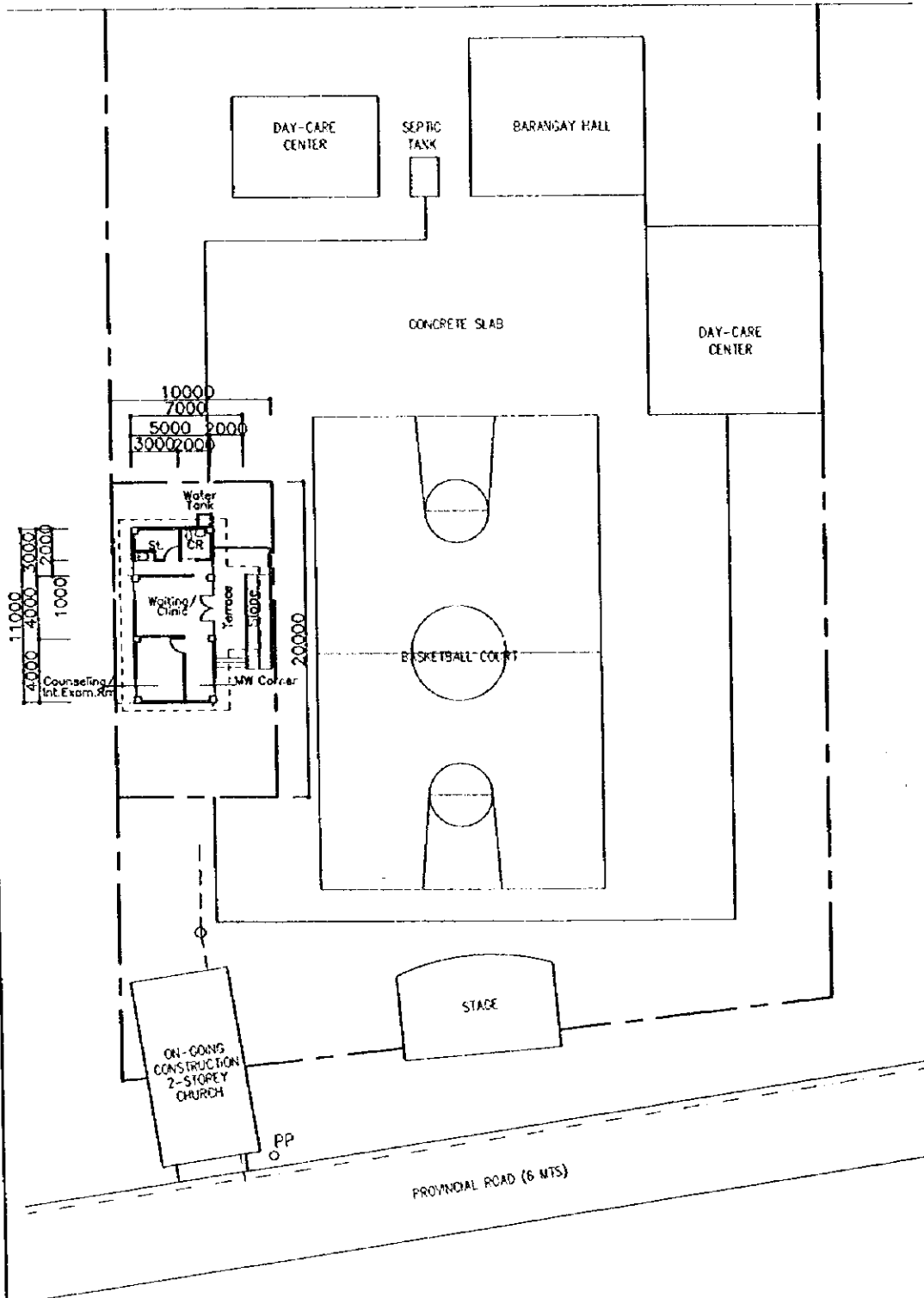
5700

SHALLOW WELL

oPP



BARANGAY ROAD (4 MTS)

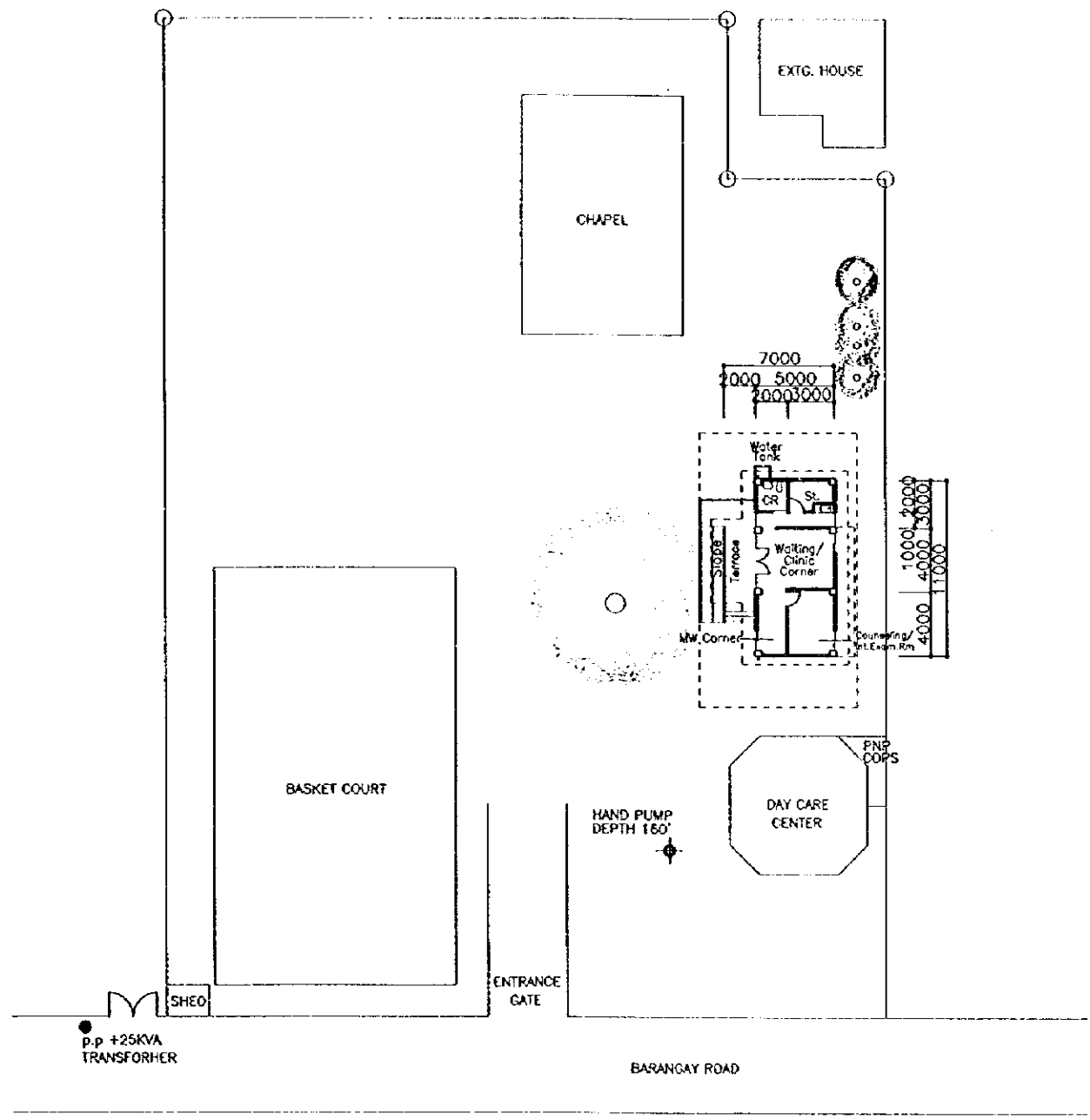
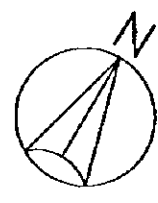


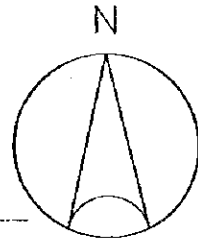
3.3.8

CONCEPCION, GEN. TINIO, NUEVA ECIJA

B-1

S=1:400





BARANGAY ROAD (4 MTS/ROUGH ROAD)

2-LINE POWERLINE

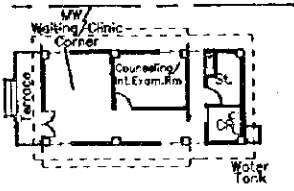
OPP SHALLOW WELL

TO PLAZA

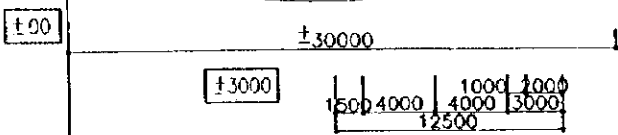
IRRIGATION DITCH W= 20M

4 MTS ROADWAY (ROUGH)

PATHWAY



RESIDENTIAL



TO GIMBA