

## 1-2 調査日程表

### (1) 基本設計調査日程（昭和63年5月21日～6月11日）

日程	月/日	曜	行 程	内 容
1	5/21	土	<ul style="list-style-type: none"> <li>・真柄団長 マニラ発 ジャカルタ着</li> <li>・他団員 成田発 ジャカルタ着</li> </ul>	<ul style="list-style-type: none"> <li>・調査団員全員ジャカルタに集合</li> </ul>
2	22	日	<ul style="list-style-type: none"> <li>・団内打合せ</li> </ul>	<ul style="list-style-type: none"> <li>・調査内容・日程の打合せ</li> <li>・質問書の内容について打合せ</li> <li>・公共事業省都市住宅総局常駐日本人専門家の意見聴取</li> </ul>
3	23	月	<ul style="list-style-type: none"> <li>・Cipta Karya（公共事業省都市住宅総局）総局長表敬</li> <li>・公共事業省大臣表敬</li> <li>・敷地視察</li> <li>・CGSC視察</li> </ul>	<ul style="list-style-type: none"> <li>・インセプションレポートの説明</li> <li>・要請内容の確認</li> <li>・無償資金協力のシステム及び技協の方針について説明</li> <li>・調査日程の打合せ</li> <li>・国家レベルでの支援体制の確認</li> </ul>
4	24	火	<ul style="list-style-type: none"> <li>・Cipta Karya 水道局と協議</li> <li>・ボゴール（山中、片石）</li> <li>・CEVEST視察</li> </ul>	<ul style="list-style-type: none"> <li>・水道部門の概況と訓練計画について「イ」側の説明聴取</li> <li>・水道訓練計画に対する質疑</li> <li>・無償資金協力の手続について担当者に説明</li> <li>・Cipta Karya から西ジャワ州6都市に対する環境衛生機材供与式典に参加</li> </ul>
5	25	水	<ul style="list-style-type: none"> <li>・Cipta Karya 水道局と協議</li> </ul>	<ul style="list-style-type: none"> <li>・訓練実施計画について協議</li> <li>・訓練施設、機材について協議</li> </ul>
6	26	木	<ul style="list-style-type: none"> <li>・Cipta Karya 環境衛生局と協議</li> <li>・Cipta Karya 水道局と協議</li> <li>・団内打合せ</li> </ul>	<ul style="list-style-type: none"> <li>・訓練実施計画について協議</li> <li>・訓練実施、機材について協議</li> <li>・訓練センターの運営組織体制について協議</li> <li>・協議結果の整理、ミニッツ原案の作成</li> </ul>

日程	月/日	曜	行 程	内 容
7	5/27	金	<ul style="list-style-type: none"> <li>• Cipta Karya にて総合打合せ</li> <li>• プジョンボンガン浄水場及び 付属訓練施設視察</li> </ul>	<ul style="list-style-type: none"> <li>• ミニッツ合意事項の整理、確認</li> </ul>
8	28	土	<ul style="list-style-type: none"> <li>• BAPPENAS (国家開発計画庁)</li> <li>• SEKAB (内閣官房)</li> <li>• チャクンチリンチン廃棄物埋 立地視察</li> <li>• バリ島へ移動</li> <li>• バリ州バドゥン県PDAH (水道 事業体) 訪問</li> </ul>	<ul style="list-style-type: none"> <li>• 表敬、本計画に対する便宜供与 の依頼</li> <li>• バリ州の水道事業の現状と将来 計画についての説明聴取</li> </ul>
9	29	日	<ul style="list-style-type: none"> <li>• バリ州バドゥン県PDAH所轄の 水道施設視察</li> <li>• デンバサール市清掃局の廃棄 物埋立地視察</li> <li>• ジャカルタへ移動</li> </ul>	
10	30	月	<ul style="list-style-type: none"> <li>• Cipta Karya にて総合打合せ</li> <li>• 日本大使館</li> <li>• JICAインドネシア事務所</li> <li>• サリ・パシフィックホテル</li> </ul>	<ul style="list-style-type: none"> <li>• ミニッツ合意事項の最終確認</li> <li>• 調査経過報告</li> <li>• 調査経過報告</li> <li>• ミニッツ署名</li> </ul>
11	31	火	<ul style="list-style-type: none"> <li>• 団内打合せ</li> <li>• 官側団員帰国</li> </ul>	<ul style="list-style-type: none"> <li>• 調査・協議内容のまとめ</li> <li>• 継続調査の内容と日程打合せ</li> </ul>
12	6/1	水	<ul style="list-style-type: none"> <li>• Cipta Karya 水道局と協議</li> <li>• 敷地踏査</li> </ul>	<ul style="list-style-type: none"> <li>• 継続調査日程の調整</li> <li>• インドネシア側負担工事の実施 工程の確認</li> <li>• 敷地境界の確認</li> <li>• 風向および洪水レベルについて 敷地周辺民家および YPI (イス ラム教育財団) にて聞き込み 調査</li> <li>• 敷地周辺略図の作成</li> </ul>

日程	月/日	曜	行 程	内 容
13	6/2	木	<ul style="list-style-type: none"> <li>• Cipta Karya 水道局</li> <li>• Cipta Karya 建築局 (鈴木、山中)</li> </ul>	<ul style="list-style-type: none"> <li>• 追加資料収集</li> <li>• 本計画にかかる建築規制、基準 手続等の資料収集</li> </ul>
14	3	金	<ul style="list-style-type: none"> <li>• Cipta Karya 水道局</li> <li>• 団内打合せ</li> </ul>	<ul style="list-style-type: none"> <li>• 追加資料収集</li> <li>• 資料整理、協議事項の整理</li> <li>• 調査日程の調整</li> </ul>
15	4	土	<ul style="list-style-type: none"> <li>• Cipta Karya 環境衛生局</li> <li>• Cipta Karya 水道局</li> </ul>	<ul style="list-style-type: none"> <li>• 追加資料収集</li> <li>• 質問書回答受取り</li> </ul>
16	5	日	<ul style="list-style-type: none"> <li>• 団内打合せ</li> </ul>	<ul style="list-style-type: none"> <li>• 資料整理、協議事項の整理</li> </ul>
17	6	月	<ul style="list-style-type: none"> <li>• スラバヤ地方訓練センター (奥井、山中)</li> <li>• 公共事業省訓練教育センター</li> <li>• CEVEST (以上、鈴木)</li> <li>• CGSC (鈴木、片石)</li> <li>• カユ・マニス廃棄物中継基地</li> <li>• ジャカルタ市し尿処理場 (以上、片石)</li> </ul>	<ul style="list-style-type: none"> <li>• 類似関連施設の視察</li> </ul>
18	7	火	<ul style="list-style-type: none"> <li>• POJ (ジャティールフル公団)</li> <li>• YTC (西クルン運河管理事務所)</li> <li>• PERUMTEL (電話公社)</li> <li>• PLN (電力公社)</li> <li>• 資料解析 (奥井)</li> </ul>	<ul style="list-style-type: none"> <li>• 訓練用原水引込について打合せ</li> <li>• 訓練用原水引込について打合せ</li> <li>• 電話引込について打合せ</li> <li>• 電力引込について打合せ (以上、鈴木、山中、片石)</li> </ul>
19	8	水	<ul style="list-style-type: none"> <li>• 建設、機材市場調査</li> <li>• 資料解析、最終打合せ準備 (奥井)</li> </ul>	<ul style="list-style-type: none"> <li>• 建築内・外装材、外構材料、 家具類、等 (鈴木)</li> <li>• 電気・設備用材料、機器、等 (山中)</li> <li>• 訓練用機材、等 (片石)</li> </ul>

日程	月/日	曜	行 程	内 容
20	6/9	木	<ul style="list-style-type: none"> <li>・Cipta Karyaにて最終総合打合せ</li> <li>・団内打合せ</li> </ul>	<ul style="list-style-type: none"> <li>・質問書回答の確認</li> <li>・プロジェクト実施組織体制の確認</li> <li>・インフラ整備計画と日-イ両国の負担区分についての確認</li> <li>・訓練計画の策定方法の確認</li> <li>・調査結果の確認</li> </ul>
21	10	金	<ul style="list-style-type: none"> <li>・JICAインドネシア事務所</li> <li>・日本大使館</li> <li>・ジャカルタ発</li> </ul>	<ul style="list-style-type: none"> <li>・調査経過報告</li> <li>・調査経過報告</li> </ul>
22	11	土	成田着	

(2) ドラフトファイナルレポート現地説明日程 (昭和63年 8月14日～ 8月21日)

日程	月/日	曜	行 程	内 容
1	8/14	日	<ul style="list-style-type: none"> <li>・成田発</li> <li>・ジャカルタ着</li> </ul>	<ul style="list-style-type: none"> <li>・調査団員ジャカルタに集合</li> </ul>
2	8/15	月	<ul style="list-style-type: none"> <li>・JICAインドネシア事務所</li> <li>・日本大使館</li> <li>・Cipta Karya (公共事業省都市住宅総局)</li> <li>・団内打合せ</li> </ul>	<ul style="list-style-type: none"> <li>・表敬</li> <li>・ドラフトファイナルレポートの提出及び調査結果の概要報告</li> <li>・日程打合せ</li> <li>・ドラフト説明の準備打合せ</li> </ul>
3	8/16	火	<ul style="list-style-type: none"> <li>・Cipta Karya</li> </ul>	<ul style="list-style-type: none"> <li>・ドラフト説明</li> <li>・質疑応答</li> </ul>
4	8/17	水	<ul style="list-style-type: none"> <li>・(独立記念日)</li> </ul>	<ul style="list-style-type: none"> <li>・協議内容、資料の整理</li> </ul>
5	8/18	木	<ul style="list-style-type: none"> <li>・Cipta Karya</li> <li>・ヒルトンホテル</li> <li>・岩崎団員帰国</li> </ul>	<ul style="list-style-type: none"> <li>・ミニッツ合意事項の協議</li> <li>・ミニッツ署名</li> </ul>
6	8/19	金	<ul style="list-style-type: none"> <li>・Cipta Karya</li> <li>・公共事業省大臣表敬</li> <li>・敷地調査</li> </ul>	<ul style="list-style-type: none"> <li>・建築設計に対する「イ」側の提案について意見交換</li> <li>・現況の確認</li> </ul>
7	8/20	土	<ul style="list-style-type: none"> <li>・SEKAB (内閣官房)</li> <li>・BAPPENAS (国家開発計画局)</li> <li>・ジャカルタ発</li> </ul>	<ul style="list-style-type: none"> <li>・表敬、便宜供与の依頼</li> </ul>
8	8/21	日	<ul style="list-style-type: none"> <li>・成田着</li> </ul>	

### 1-3 主要面談者名簿

#### 1. 公共事業省

##### 1) 大臣

Ir. Radinal Mochtar - 公共事業大臣

##### 2) 事務総局

Drs. Sukrisno - 国際協力局長

Ir. H. Moeljono Soebijono, Arch. - 計画局

Mr. Darminto - 国際協力局日本協力部長

##### 3) 都市住宅総局 (Cipta Karya)

Ir. Soenarjono Danoedjo - 総局長

Ir. Soeratmo Notodipoero - 総局次長 (水道局長兼任)

Mr. Soelistic Tjitro Hamidjodjo, - 前総局次長

BAE BAE

Ir. Darmawan Saleh - 環境衛生局長

Ir. Martsanto, DS - 前環境衛生局長

Ir. Parullian Sidabutar - 計画局長

Ir. Tri Harsono, M. Sc. - 水道局技術開発部長

Ir. Prijono Salim DIPL. SE - 水道局技術計画部長

Drs. Soedirman Martodihardjo, SH. - 水道局管理部長

Ir. Suwardji Trisno, M. Sc. - 環境衛生局技術開発部長

Ir. Budiwan Arief - 環境衛生局固型廃棄物部長

Ir. Risyana Sukarna DIPL. HE - 計画局外国協力管理部長

Ir. Atyanto Mochtar - 公共建築局建築規準開発部長

Ir. Kusniati - 水道局員

Ir. Daru Sukanto - 水道局員

Mr. Gatot, S. - 水道局員

Ir. Drs. Sudjoko - 環境衛生局員

Ir. Armand Slahaan - 環境衛生局員

Ir. Drs. Sunea - 環境衛生局員

Ir. Relfeldi - 計画局員

2. 内閣官房 (SEKAB)  
 Mr. Moch. Widodo Gondowardojo, SH - 技術協力局長  
 Mr. Ade Bantarso - 技術協力局二国間事業部長
3. 国家開発計画庁 (BAPPENAS)  
 Drs. Saad Basalb, M. Sc. - 社会福祉・公共住宅局長  
 Ir. FW Adam, MPH. - 社会福祉・公共住宅局公共住宅部長  
 Ir. Dedy Supriadi B. BE - 社会福祉・公共住宅局員  
 Ir. Salusra Widya - 社会福祉・公共住宅局員
4. バリ水道プロジェクト  
 Ir. Didi Rochadi - プロジェクトマネージャー  
 Drs. Soekernar - バリ州バドゥン県水道事業体 (PDAM) 代表
5. その他の省庁・機関  
 Mr. Sodikin, BE - ジャティールフル公団 (P.O.J) 指導・実施部長  
 Mr. Prabowo - 西タルン運河プロジェクト (W.T.C) 技師  
 Mr. Abdullah - 電気通信公社 (プルンテル) プカシ支局 電話サービス課長  
 Mr. Sunaryo, M. - 国営電力公社 (PLN) プカシ支局計画課長
6. 在インドネシア日本国大使館  
 平山一男 - 一等書記官  
 中垣俊郎 - 二等書記官  
 上田敏 - 二等書記官
7. 国際協力事業団派遣専門家  
 竹中勝信 - 水道専門家  
 鎗木儀郎 - 環境衛生専門家  
 山村尊房 - 前廃棄物処理専門家
8. JICA インドネシア事務所  
 北野康夫 - 所長  
 松岡和久 - 次長  
 石塚準次 - 所員

1-4 協議議事録

(1) 基本設計調査

MINUTES OF DISCUSSIONS  
BASIC DESIGN STUDY  
ON  
THE PROJECT FOR THE CONSTRUCTION OF  
THE WATER SUPPLY AND ENVIRONMENTAL SANITATION TRAINING CENTER  
IN  
THE REPUBLIC OF INDONESIA

In response to the request made by the Government of the Republic of Indonesia, the Government of Japan decided to conduct a basic design study on the Project for the Construction of the Water Supply and Environmental Sanitation Training Center (hereinafter referred to as "the Project"), and entrusted the Study to the Japan International Cooperation Agency (JICA). JICA dispatched the basic design study team to Indonesia, headed by Dr. Yasumoto Magara, Director of Sanitary Engineering Department, The Institute of Public Health, Ministry of Health and Welfare (hereinafter referred to as "the Team"), on May 21, 1988 for 22 days.

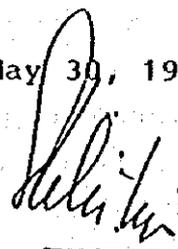
The Team carried out a field survey and held a series of discussions with the authorities concerned of the Government of the Republic of Indonesia, headed by Mr. Soenarjono Danoedjo, Director General of Human Settlements (Cipta Karya), Ministry of Public Works.

As a result of the field survey and discussions both parties have agreed to recommend to their respective governments that the major points of understandings reached between them as attached herewith, should be examined towards the realization of the Project.

Jakarta, May 30, 1988

眞 柳 泰 基

Dr. Yasumoto Magara  
Leader  
Basic Design Study Team, JICA



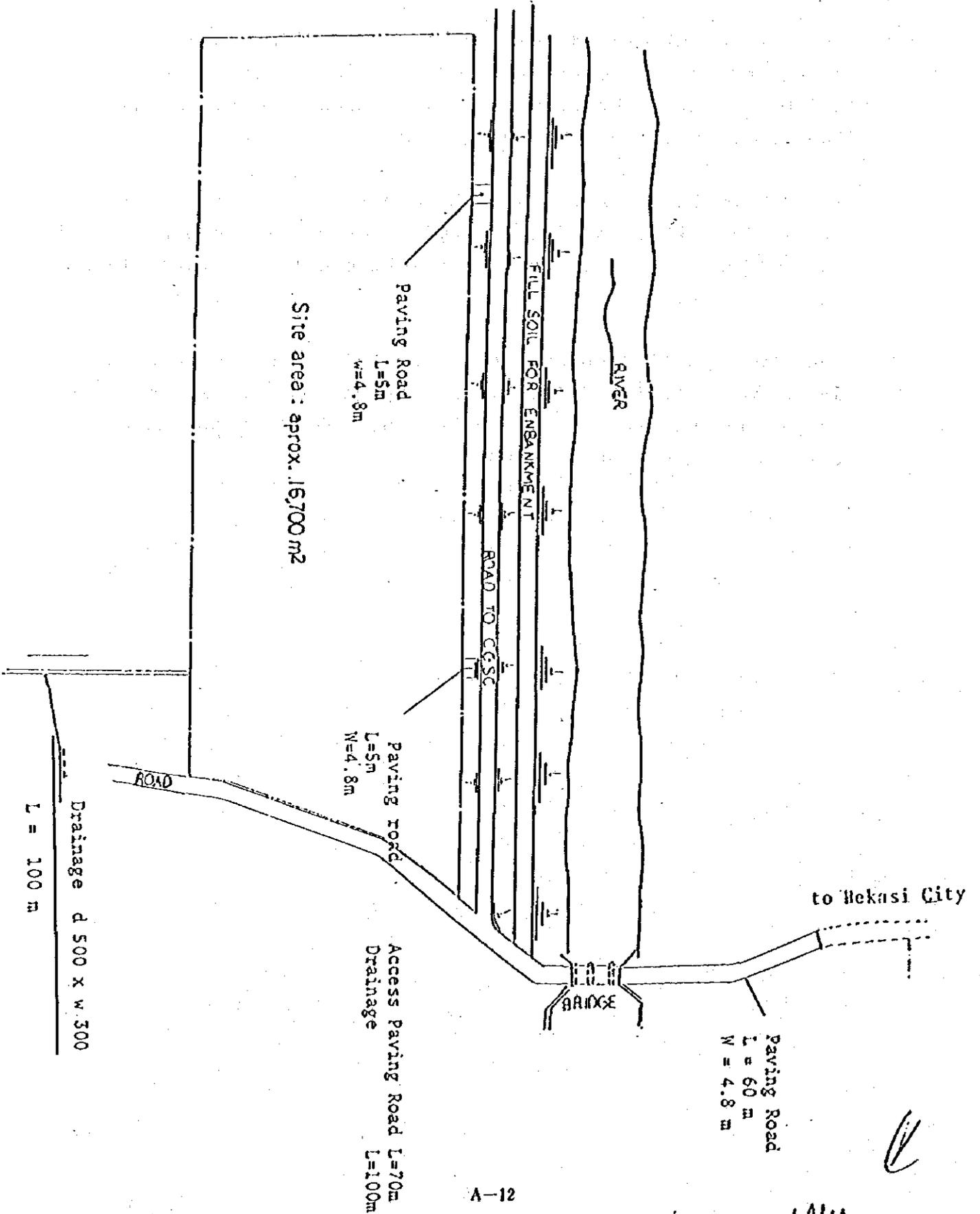
R. Soelistijo Tjitrohamidjojo, BAE  
on behalf of Director General of  
Human Settlements (Cipta Karya)

## ATTACHMENT

1. The objective of the Project is to establish a training center in Bekasi for the purpose of upgrading knowledge and skills for water supply and environmental sanitation services. The center will provide trainings to engineers, technicians and other related staff members so as to be able to implement adequate planning, designing, construction, operation and maintenance of facilities as well as proper management of water supply and environmental sanitation sectors.
2. Executing Agency responsible for the Project is the Directorate General of Human Settlements (Cipta Karya), Ministry of Public Works.
3. The project site is the land of approximately 1.5 hectares belonging to the Directorate General of Water Resources Development which is located at the village of Margahayu, Sub-region of East Bekasi, Regency of Bekasi as shown in Annex I.
4. The Project includes the construction of necessary buildings and facilities and the provision of training equipment, which are shown in Annex II.
5. The Government of Indonesia has understood the system of Japan's Grant Aid explained by the Team, including the principle of the use of a Japanese consultant and Japanese firm(s) for the execution of the Project.
6. The Government of Indonesia will take necessary measures as listed in Annex-III on condition that a Grant Aid be extended to the Project by the Government of Japan.

7. The Government of Indonesia will assure budget and personnel required for the operation and maintenance of facilities and equipment to be provided, if a Grant Aid is extended to the Project by the Government of Japan.
8. The Team has explained and the Government of Indonesia has understood that a project type technical cooperation in connection with the Project will be examined separately from the Project.
9. The Team will convey the request of the Government of Indonesia for a few individual experts on training of water supply and environmental sanitation, which is now under the official requesting procedure.

ANNEX - I



ANNEX-II

1) Facilities :

Main Building, Dormitory, Workshop, Garage, Storage, Canteen, Mini Purification Plant, Training Yard for Leakage Survey and Demonstration Plant for Solid Waste Treatment, etc.

2) Equipment

- a. Audio Visual and Printing Equipment.
- b. Computer
- c. Mechanical and Electrical Equipment, including Instrumentation Equipment.
- d. Water and Human Waste Water Quality Examination Equipment.
- e. Solid Waste Examination Equipment.
- f. Leakage Survey Equipment
- g. Pipe Laying Equipment.
- h. Water and Human Waste Water Treatment Equipment.
- i. Solid Waste Treatment Equipment.
- j. Water Meter and Testing Equipment.
- k. Vehicles for Operation.

### ANNEX III

Necessary measures to be taken by the Government of Indonesia :

1. To secure Land.
2. To clear, level and reclaim the site when needed.
3. To construct gates and fences in and around the site.
4. To construct an access road leading to the site.
5. To provide water supply by either a deep-well or by a water supply.
6. To provide facilities for the distribution of electricity, drainage and other incidental facilities :
  - The distribution line to the site.
  - The drainage system (for storm, sewer and others) from the site.
  - The telephone trunk line to the main distribution frame/panel (MDF) of the building.
  - General furniture (carpets, curtains, tables, chairs and others).
7. To bear the following commissions to the Japanese foreign exchange bank for the banking services based upon the B/A :
  - Advising commissions.
  - Payment commissions.
8. To ensure unloading and customs clearance at port of disembarkation in Indonesia :
  - Tax exemption and custom clearance of the products at the port of disembarkation.
9. To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contracts such facilities as may be necessary for their entry into Indonesia and stay therein for the performance of their work.

10. To exempt Japanese nationals from customs duties, internal taxes, and other fiscal levies which may be imposed in Indonesia with respect to the supply of the products and services under the verified contracts.
11. To exempt or bear Value Added Tax (VAT) which will be imposed with respect to procuring products and services necessary for the implementation of the Project in the following cases :
  - 1) When Japanese nationals sign contracts with the Government of Indonesia
  - 2) When Japanese nationals purchase products and services necessary for the construction of the Center, or equipment to be installed in the Center.
  - 3) When Japanese nationals sign contracts with Indonesian sub-contractors with respects to the execution of duties under the contracts mentioned above.
12. To maintain and use properly and effectively the facilities constructed and equipment provided under the verified contracts.
13. To bear all the expenses, other than those to be borne by the Grant, necessary for construction of the facilities as well as for the transportation and installation of the equipment.

(2) ドラフトファイナルレポート説明

MINUTES OF DISCUSSIONS  
ON  
THE PROJECT FOR THE CONSTRUCTION.  
OF  
THE WATER SUPPLY AND ENVIRONMENTAL SANITATION TRAINING CENTER  
IN  
THE REPUBLIC OF INDONESIA

In response to the request made by the Government of the Republic of Indonesia, the Government of Japan decided to conduct a basic design study on the Project for the Construction of the Water Supply and Environmental Sanitation Training Center (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (JICA). JICA sent to the Republic of Indonesia the study team from May 21 to June 11, 1988.

As a result of the study, JICA prepared a draft report and dispatched a mission headed by Dr. Yasumoto Magara, Director of Sanitary Engineering Department, the Institute of Public Health, Ministry of Health and Welfare, to explain and discuss it from August 14, to 21, 1988.

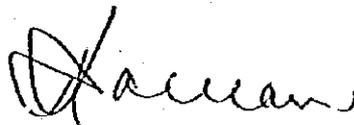
The team had a series of discussions on the Project with the officials concerned of the Government of Indonesia headed by Ir. Soenarjono Danoedjo, Director General of Human Settlements, Department of Public Works.

After clarifying its contents, both parties had agreed to recommend to their respective governments that the major points of understanding reached between them, attached herewith, should be examined towards the realization of the project.

August 18, 1988

真和 康基

Dr. Yasumoto Magara,  
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Explanation Team of Basic  
Design Study  
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Agency



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Director General of Human  
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Department of Public Works

ATTACHEMENT

MAJOR POINTS OF UNDERSTANDING :

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1. The Indonesian side agreed in principle to the basic design proposed in the Draft Final Report. But, there will be a technical alteration of the architectural design within the agreement of the basic design study at the stage of detailed design.
2. The Indonesian side understood the system of Japan's Grant Aid Program and confirmed the measures to be taken by the Indonesian side towards the realization of the Project as agreed upon in the "Minutes of Discussions" signed on May 30, 1988
3. Ten copies of the Final Report on the Project will be submitted to the Government of Indonesia.

## 1-5 収集資料リスト

- A 著者、発行元
- B 出版社
- C 発行年月日
- D 主な内容

### 1. TRAINING PROGRAM ;

- A 公共事業省都市住宅総局水道局技術開発部
- C 1988年
- D HRDPに基づく水道局の訓練計画案

### 2. WORK SHOP (PLAN) ;

- A 公共事業省都市住宅総局水道局技術開発部
- C 1988年
- D 水道・環境衛生訓練センター施設の計画案

### 3. PROCUREMENT PLAN FOR JAPANESE PROJECT TYPE TECHNICAL COOPERATION AND GRANT AID

#### TRAINING CENTER FOR WATER SUPPLY AND ENVIRONMENTAL SANITATION (改訂版) ;

- A 公共事業省都市住宅総局
- C 1988年
- D 水道・環境衛生訓練センターの機材仕様書の改訂版

### 4. CLASSROOM TRAINING PROGRAMME ;

- A 公共事業省都市住宅総局水道局技術開発部
- C 1988年6月
- D 水道・環境衛生訓練センターにおける水道局の訓練プログラム

### 5. DRAFT OF TRAINING PROGRAM IN ENVIRONMENTAL SANITATION

- A 公共事業省都市住宅総局環境衛生局
- C 1988年5月
- D HRDPに基づく環境衛生局の訓練計画案

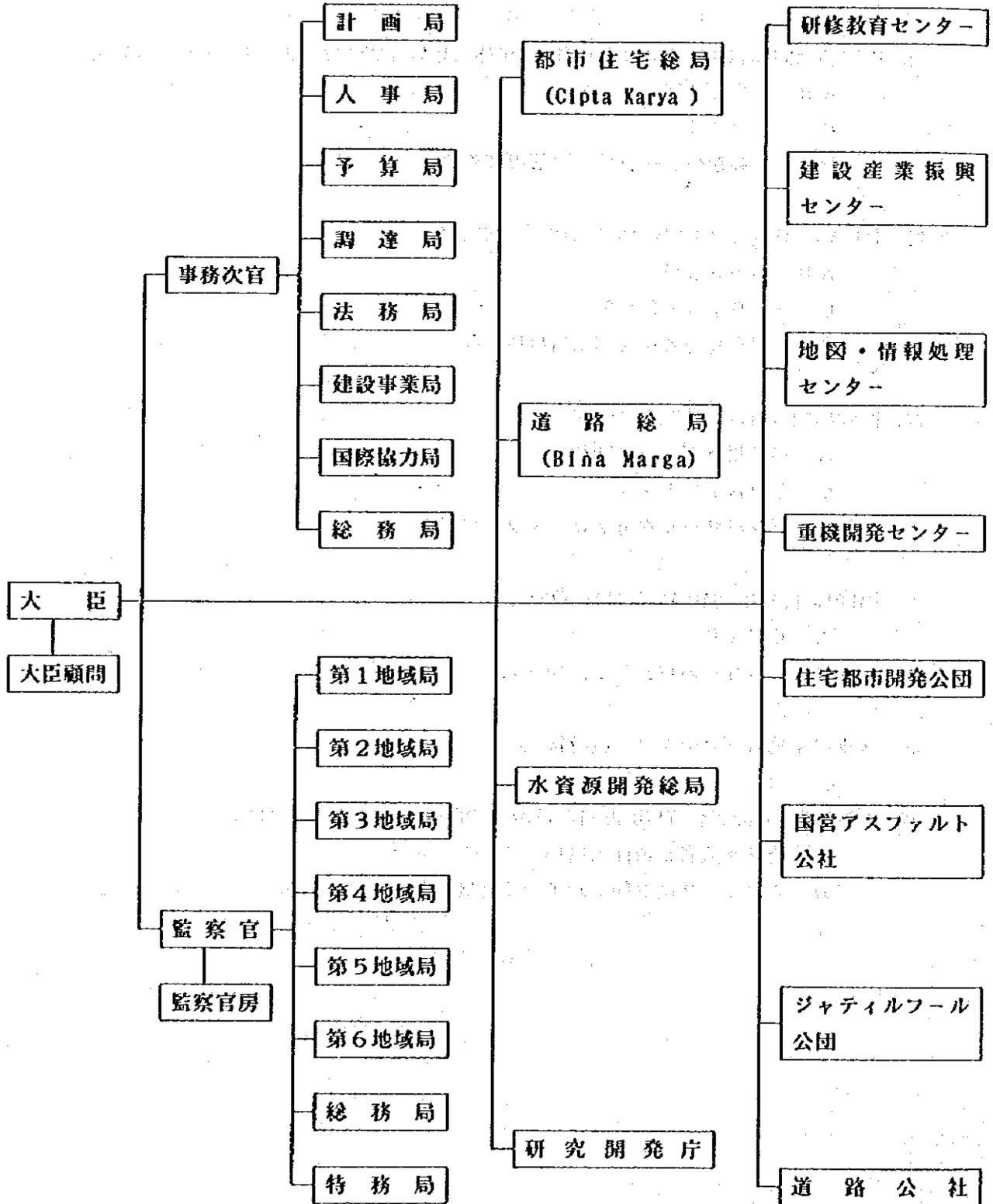
6. SOLID WASTE IN INDONESIA STATISTICS AND ANALYSIS ;
- A 公共事業省都市住宅総局
  - C 1986年
  - D 28都市についての廃棄物行政に関する実態調査データ
7. SOLID WASTE DATA BOOK OF INSONESIA ;
- A 公共事業省都市住宅総局
  - C 1987年
  - D 31都市についての廃棄物行政に関する実態調査データ
8. AGENDA 1988 ;
- A B 公共事業省
  - C 1988年
  - D 公共事業省の主要職員名簿付の手張
9. DAFTAR GAJI POKOK PEGAWAI NEGERI SIPIL ;
- C 1985年
  - D 国家公務員の格付別基本給与表
10. 大蔵大臣通達書簡 No.8-928/MK.01/1987 ;
- A 大蔵大臣
  - C 1987年
  - D 無償案件における付加加値税環付手続について
11. 公共事業省都市住宅総局長決定 No.024/KPTS/CK/1982 ;
- A 公共事業省都市住宅総局長
  - C 1982年
  - D 政府庁舎建築物の主要諸室の面積基準
12. 公共事業省都市住宅総局長決定 No.290/KPTS/CK/1987 TANGGAL 15 JULI 1987 ;
- A 公共事業省都市住宅総局長
  - B 公共事業省出版局
  - C 1987年7月15日
  - D 政府建築物の1㎡あたりの標準単価

13. REPORT ON ADDITIONAL SOIL INVESTIGATION AND TOPOGRAPHICAL SURVEY FOR THE WATER SUPPLY AND ENVIRONMENTAL SANITATION CENTER ;
- A 公共事業省都市住宅総局
  - C 1988年6月
  - D 敷地の追加ボーリング調査データおよび敷地境界測量図
14. ブカシ街区地図 ;
- A~C 不明
  - D 公共事業省都市住宅総局で入手した青図
15. ブカシ市水道地図 ;
- A ブカシ県PDAM
16. マルガハユ村電気分配地図 ;
- A PLNブカシ支局
17. RENCANA DETAIL TATA RUANG KOTA BEKASI ;
- A ブカシ県庁
  - C 1987年
  - D ブカシ街区の都市計画
18. DATA IKLIM DI INDONESIA ;
- A B 運輸省気象・地学センター
  - C 1974年版~87年版
  - D 過去14年間のインドネシア国の気象データ
19. LISTING INDONESIAN EARTHQUAKE RECORDS ;
- A 運輸省気象・地学センター、地学部
20. DAFTAR HARGA SATUAN PEKERJAAN DI INDONESIA ;
- A B 公共事業省都市住宅総局建築技術情報センター
  - C 1987/88年度 第三期
  - D 建設工事の基準材工単価

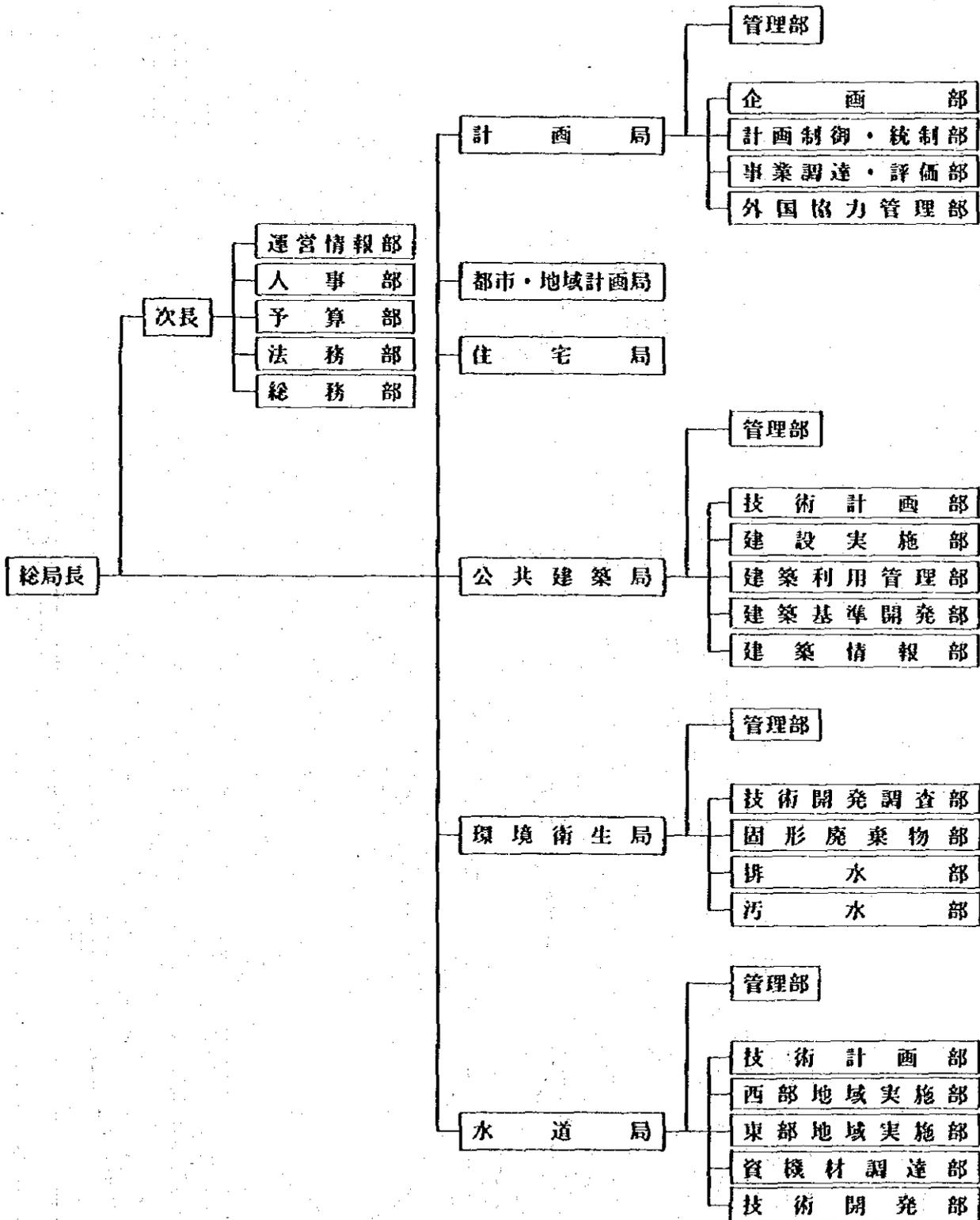
21. DAFTAR HARGA SATUAN BAHAN BANGUNAN DKI-JAKARTA ;
- A B 公共事業省都市住宅総局建築技術情報センター
  - C 1988年4, 5月版
  - D ジャカルタ首都特別区の建築資材単価
22. PERKEMBANGAN HARGA ECERAN TUJUH MACAM BAHAN BANGUNAN DI 41 KOTA INDONESIA ;
- A B 中央統計局
  - C 1985-86年
  - D 7種類の建築資材の41都市における価格推移
23. INDEKS HARGA PERDAGANGAN BESAR INDONESIA ;
- A B 中央統計局
  - C 1975-86年
  - D 主要物資の年次別価格推移統計
24. DENPASAR WATER SUPPLY PROJECT ;
- A バリ州パドゥン県PDAM
  - C 1987年12月
  - D デンパサル水道プロジェクトの概要
25. GAMBAR DENAH RUANGAN CEDUNG CGSC ;
- A CGSC
  - D CGSCの1/200 平面図一式
26. スラバヤ地方訓練センター設計図
27. MODUL PERSAMPAHAN KAYU MANIS PROYEK PERCONTOHAN DAN EVALUASI ;
- A 公共事業省都市住宅総局
  - D カユマニス廃棄物処理モデル地区におけるケーススタディとその評価

付属資料 2

2-1 公共事業省組織機構図



2-2 都市住宅總局 (Cipta Karya) 組織機構圖





3-2 地質データ

				BORING LOG				Acc 1.1									
NAME OF SURVEY & LOCALITY : BEKASI PROJECT				GROUND ELEVATION :				DATE : MARCH 13, 1958									
HOLE NO. : B-1				GROUND WATER LEVEL : 1.30-3.90 m				SURVEYED BY :									
SCALE	DEPTH OF PENETRATION	DEPTH OF SAMPLE	SYMBOL	SOIL DESCRIPTION	STANDARD PENETRATION TESTS				SOIL SAMPLES		W (%)						
					DEPTH	NO OF BLOWS AT EACH 30 CM	N. VALUE				NO OF SAMPLES	DEPTH OF SAMPLE	W (%)	W (%)			
	m	m			cm	15 cm	30 cm	45 cm	5	10	15	20	25	30	35	40	45
	0.40	0.40		Top soil (silty clay), brown, trace sand, some roots, soft													
	1.40	1.40		Silty clay, reddish brown, trace sand, moist, highly plastic, soft	1.00	2	2	2									
	2.50	1.00		Clay, greyish brown, moist, with trace silt and sand, highly plastic, medium consistency.	2.00	1	2	3									
	3.50	0.80		Clay, light grey, moist, trace silt and coarse sand, medium to stiff	3.00	2	4	5									
	4.45	2.10		Sandy silty clay, brownish grey, moist, medium plastic, medium to stiff	4.00	2	2	3									
	5.45	0.30		Sand and silt, light brown, trace clay, vec, medium/stiff	5.00	4	6	6									
	6.45	1.80		Silt and clay, light brown/grey, moist, medium plastic, stiff to very stiff, barely containing sand.	6.00	3	4	6									
	7.45	0.80		Sandy silt, greyish brown, some gravels of sandstone, hard, sandstone is friable	7.00	3	8	17									
	8.40	0.80		Sandstone, grey, medium grain, medium to well cemented, hard, brokenly by drilling	8.00	12	25	50									
	10.45	0.80		Sand, grey, vec, fine grain, very dense	10.00	12	28	50									
	12.00	4.20		Silty clay to clayey silt, grey to greenish grey, hard with some gravels of weakly cemented silt. Some part weakly cemented, friable.	12.00	12	28	35									
	13.00				13.00	13	30	35									
	14.00				14.00	20	37	41									
	15.00				15.00	24	40	48									

REMARKS :

SYMBOLS OF SAMPLER  
 ● THIN WALL SAMPLER  
 ○ SPLIT-SPoon SAMPLER  
 ○ DENISON TYPE SAMPLER  
 ⊖ FOIL SAMPLER  
 X OTHER SAMPLER

		BORING LOG				App 1 2													
NAME OF SURVEY & LOCALITY		SEA-LEVEL PROJECT		GROUND ELEVATION		DATE		MARCH 14, 1957											
HOLE NO		B.2		GROUND WATER LEVEL U.65-3.45m		SURVEYED BY													
SCALE	DEPTH M	DEPTH M	SYMBOL	SOIL DESCRIPTION	STANDARD PENETRATION TESTS					SOIL SAMPLES									
					DEPTH M	NO OF BLOWS AT EACH 0.30 M	N. VALUE			NO OF SAMPLES	DEPTH M	NO OF SAMPLES	W. 100 0.00 0.05 0.10						
	0.45	0.45		Top soil (silty clay), brown, trace sand, containing some roots, stiff															
		1.55		Silty clay, reddish brown, some sand, moist, soft, medium plastic	1.00	12/30	5	6	6										
		2.00			2.00														
		1.40		Silt, sand and clay, light grey to brown, with some gravels of weathered igneous rock, stiff, moist	2.45	12/30	3	3	3										
		3.40			3.00														
				Clay, light grey, moist, stiff, highly plastic	3.45	10/30	2	4	6										
		4.50			4.00														
				Sandy silty clay to silty clay, light brown, vet., medium plastic, stiff to very stiff	4.45	12/30	3	5	3										
		2.50			5.00														
					5.45	8/30	2	3	5										
		7.00			6.00														
					6.45	10/30	3	4	6										
		1.00		Silty sandy gravels, yellowish grey, vet., hard/ very dense. Gravels: Sandstone and siltstone, hard	7.00														
		8.00			7.45	26/30	6	4	13										
		1.50		Sandstone, grey, hard, medium grain, well cemented. Core broken by drilling	8.00	350	28	50											
		9.50			8.50														
		1.00		Sand, dark grey, very loose, saturated, medium grain	9.50														
		10.40			10.00	3/30	3	1	3										
					10.45														
		4.60		Clayey silt to sandy silt, grey/greenish grey, slightly plastic, moist, hard, with some angular gravels of weakly cemented silt. Some part weakly cemented.	11.00	42/30	12	15	22										
					11.45														
					12.00														
					12.25	350	12	50											
					13.00														
					13.45	47/30	10	16	23										
					14.00														
					14.45	45/30	10	8	27										
					15.00		10	20	30										

REMARKS

SYMBOLS OF SAMPLER

- THINWALL SAMPLER
- SPILT-SPOON SAMPLER

○ DEEPHON TYPE SAMPLER

- FOR SAMPLER
- × OTHER SAMPLER

**BORING LOG**

App 1.3

NAME OF SURVEY & LOCALITY : BEKASI PROJECT

GROUND ELEVATION

DATE

March 16, 1985

MOLE NO. : B.3

GROUND WATER LEVEL 0.5-1.8m

SURVEYED BY

SCALE	ELEVATION m	DEPTH m	THICKNESS OF STRATA m	SYMBOL	SOIL DESCRIPTION	STANDARD PENETRATION TESTS					SOIL SAMPLES			WATER					
						DEPTH m	NO OF BLOWS AT EACH 0.3m				N. VALUE	NO OF SAMPLE	DEPTH m	SYMBOL OF SAMPLE	NO OF SAMPLES	20	30	45	
							15	30	45	60									
		0.40	0.4	[Symbol]	Top soil (silty clay), brown, trace sand, trace rocks, dry, soft														
1			1.80	[Symbol]	Gravelly silty clay, brown to grey, moist, fine. Silty clay, medium plastic. Gravels: weathers Igneous rock, angular to rounded	1.00	8/30	3	4	4									
2		2.20		[Symbol]		2.00	13/30	4	7	12									
3		2.50	0.70	[Symbol]	Silty clayey sand, brown to grey, some gravels of sandstone, fine to coarse grain, compact, moist	2.45	13/30	4	7	12									
4			1.40	[Symbol]	Gravelly clayey silt, brown to grey, very stiff, moist, slightly plastic. Gravels consist of weakly cemented silt.	3.00	17/30	5	7	10									
5				[Symbol]		3.45	17/30	5	7	10									
6		4.30		[Symbol]		4.00	16/30	4	6	10									
7			1.80	[Symbol]	Clayey silt to silty clay, light brown, with some sand, moist, slightly plastic, very stiff. Containing some gravels of weakly cemented silt at below part	4.45	16/30	4	6	10									
8		6.10		[Symbol]		5.00	16/30	3	6	10									
9			0.90	[Symbol]	Sandy clayey silt, brownish grey, hard moist, slightly plastic	5.45	16/30	3	6	10									
10		7.00		[Symbol]		6.00	16/30	4	6	10									
11				[Symbol]		6.45	16/30	4	6	10									
12		7.24		[Symbol]	Moderately weathers sandstone, brown, hard, medium grain, well cemented.	7.00	150/30	36	150										
13		8.00	1.80	[Symbol]		8.00	250/30	150											
14		8.08		[Symbol]		8.08	250/30	150											
15		8.80		[Symbol]		9.00	17/30	11	7	24									
16			1.50	[Symbol]	Sand, dark grey, dense, medium grain.	9.45	17/30	11	7	24									
17		10.30		[Symbol]		10.00	43/30	10	19	26									
18				[Symbol]		10.45	43/30	10	19	26									
19				[Symbol]	Clayey silt, dark grey to greenish grey, with some gravels of well cemented silt, hard, slightly plastic.	11.00	47/30	12	18	25									
20				[Symbol]	Siltstone at depth of 16.30 + 16.80, well cemented, hard.	11.45	47/30	12	18	25									
21		12.00		[Symbol]		12.00	45/30	10	16	30									
22				[Symbol]		12.45	45/30	10	16	30									
23		13.00		[Symbol]		13.00	150/30	9	20	31									
24				[Symbol]		13.45	150/30	9	20	31									
25		14.00		[Symbol]		14.00	150/30	9	21	30									
26				[Symbol]		14.40	150/30	9	21	30									
27		15.00		[Symbol]															

REMARKS

SYMBOLS OF SAMPLER

● THINWALL SAMPLER

○ SPLIT-SPOON SAMPLER

⊙ DENSON TYPE SAMPLER

⊖ FOIL SAMPLER

⊗ OTHER SAMPLER

BORING LOG																			
NAME OF SURVEY & LOCALITY:			BEKASI PROJECT			GROUND ELEVATION :			m			DATE : May 30, 1988							
HOLE NO :			B.4			GROUND WATER LEVEL: 2.30 - 6.85			m			SURVEYED BY : B. Winarno							
SCALE	ELEVATION	DEPTH	THICKNESS OF STRATUM	SYMBOL	SOIL DESCRIPTION	STANDARD PENETRATION TESTS						SOIL SAMPLES			W (%)				
						DEPTH	NO OF BLOWS AT EACH 15 cm	N. VALUE			NO OF SAMPLES	DEPTH	SYMBOL	W (%)	L (%)				
	m	m	m			cm	15 cm	30 cm	45 cm	10	20	30	40	50	60	70	80	90	100
		0.50	0.50		Silty clay (top soil), brown with trace coarse sand and gravels, firm, containing root at upper part.	1.00	8/30	2	4	4									
		1.00	0.40		Clay, light brown, firm, moist, high plasticity.	1.45													
		2.00			Sandy silt, whitish to light grey, firm to very stiff, moist.	2.00													
		2.50				2.45	8/30	8	10	15									
		3.50				3.00													
		3.50				3.45	7/30	2	3	4									
		4.45	0.95		Silty sand, greyish to brown, loose, moist, some part containing pumice gravels.	4.00													
		4.45				4.45	9/30	3	4	3									
		5.00				5.00													
		5.45			Silt, grey to brown, stiff to hard, with some clay and trace sand, moist, friable.	5.45	8/30	3	5	10									
		6.00				6.00													
		6.45				6.45	8/30	6	7	14									
		7.00				7.00													
		7.90				7.90	8/30	8	13	22									
		8.00				8.00													
		8.31	0.90		Silt, brown, hard, moist, some part very weakly cemented, friable.	8.31	10/30	10	14	10									
		8.60				8.60													
		9.00			Sand, grey, dense, medium grain, moist, friable.	9.00													
		9.45				9.45	12/30	18	21	2									
		10.00	1.60			10.00													
		10.45				10.45	15/30	19	30	34									
		11.00			Silt, brown, hard, friable, moist, some part very weakly cemented, showing void structure.	11.00													
		11.27				11.27	15/30	12	60	10	2								
		12.00				12.00													
		12.45				12.45	15/30	12	20	60									
		13.00				13.00													
		13.00			Silt, brown, with some sand partly, hard, friable, moist, some part very weakly cemented.	13.00	18/30	13	18	21									
		14.00				14.00													
		14.30				14.30	15/30	27	62										
		15.00				15.00													

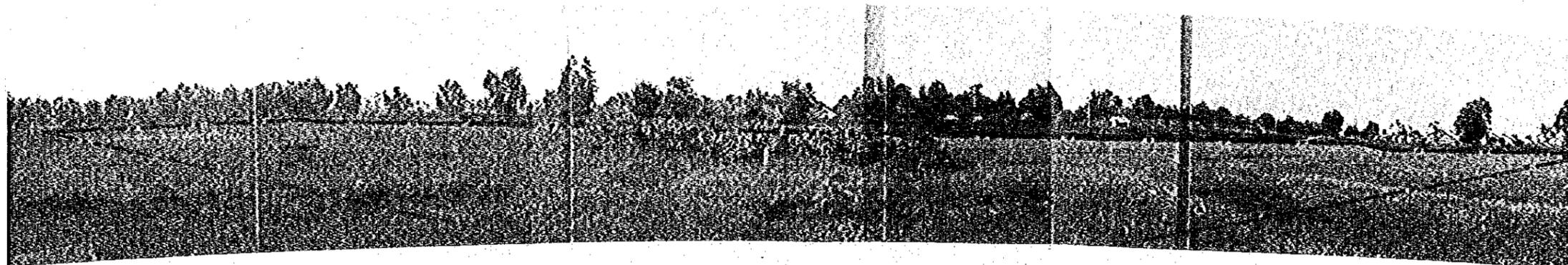
REMARKS :

SYMBOLS OF SAMPLER

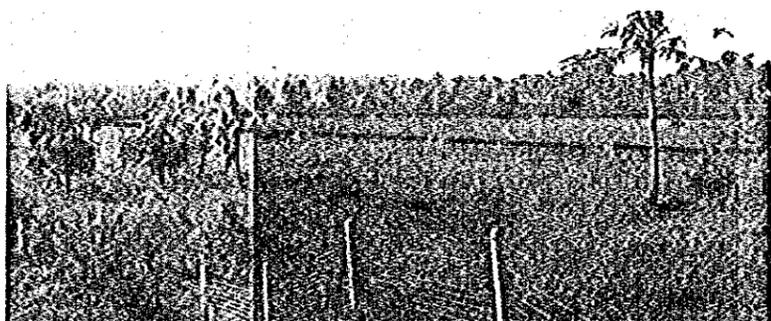
- THINWALL SAMPLER
- SPLIT-SPoon SAMPLER

- ⊙ DENISON-TYPE SAMPLER
- ⊕ FOIL SAMPLER
- × OTHER SAMPLER

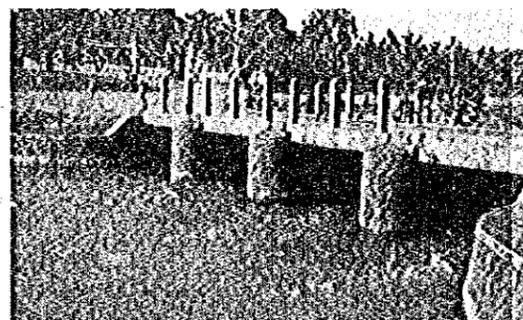




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B

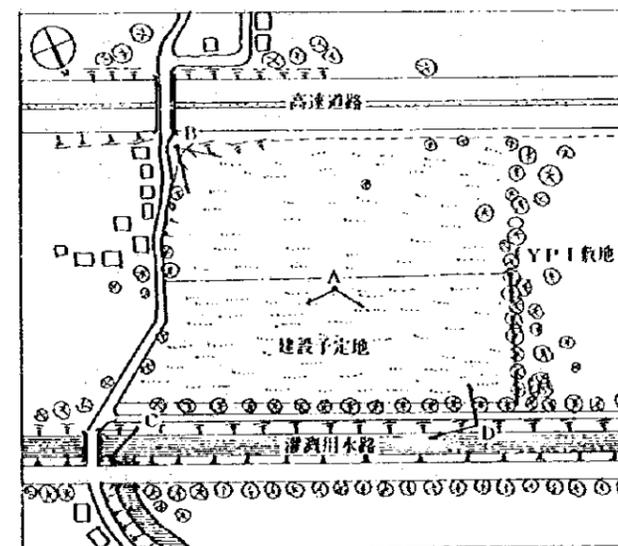


C

3-3 敷地写真



D



JICA